

Hit Summary Sheet SW-846

SDG No.: Q3719

Client: Remington & Vernick

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID :	SB-1125-10A							
Q3719-01	SB-1125-10A	SOIL	Phenanthrene	180.000	J	27.4	220	ug/Kg
Q3719-01	SB-1125-10A	SOIL	Fluoranthene	290.000		39.3	220	ug/Kg
Q3719-01	SB-1125-10A	SOIL	Pyrene	240.000		47.2	220	ug/Kg
Q3719-01	SB-1125-10A	SOIL	Benzo(a)anthracene	170.000	J	30.1	220	ug/Kg
Q3719-01	SB-1125-10A	SOIL	Chrysene	180.000	J	26.1	220	ug/Kg
Q3719-01	SB-1125-10A	SOIL	Benzo(b)fluoranthene	190.000	J	24.9	220	ug/Kg
Q3719-01	SB-1125-10A	SOIL	Benzo(k)fluoranthene	89.400	J	29.4	220	ug/Kg
Q3719-01	SB-1125-10A	SOIL	Benzo(a)pyrene	170.000	J	38.7	220	ug/Kg
			Total Svoc :			1,509.40		
Q3719-01	SB-1125-10A	SOIL	Benzo[e]pyrene	*	110.000	J 0	0	ug/Kg
Q3719-01	SB-1125-10A	SOIL	Benzophenone	*	230.000	J 0	0	ug/Kg
Q3719-01	SB-1125-10A	SOIL	cis-7-Hexadecenoic acid	*	96.500	J 0	0	ug/Kg
Q3719-01	SB-1125-10A	SOIL	Heptafluorobutyric acid, pentadec	*	160.000	J 0	0	ug/Kg
Q3719-01	SB-1125-10A	SOIL	n-Hexadecanoic acid	*	450.000	J 0	0	ug/Kg
			Total Tics :			1,046.50		
			Total Concentration:			2,555.90		
Client ID :	SB-1125-10B							
Q3719-02	SB-1125-10B	SOIL	Fluoranthene	120.000	J	34.7	200	ug/Kg
Q3719-02	SB-1125-10B	SOIL	Pyrene	98.800	J	41.6	200	ug/Kg
Q3719-02	SB-1125-10B	SOIL	Benzo(a)anthracene	91.500	J	26.6	200	ug/Kg
Q3719-02	SB-1125-10B	SOIL	Chrysene	79.300	J	23	200	ug/Kg
Q3719-02	SB-1125-10B	SOIL	Benzo(b)fluoranthene	93.500	J	22	200	ug/Kg
Q3719-02	SB-1125-10B	SOIL	Benzo(a)pyrene	85.000	J	34.1	200	ug/Kg
			Total Svoc :			568.10		
Q3719-02	SB-1125-10B	SOIL	1-Tricosene	*	140.000	J 0	0	ug/Kg
Q3719-02	SB-1125-10B	SOIL	Benzophenone	*	160.000	J 0	0	ug/Kg
Q3719-02	SB-1125-10B	SOIL	n-Hexadecanoic acid	*	290.000	J 0	0	ug/Kg
			Total Tics :			590.00		
			Total Concentration:			1,158.10		
Client ID :	SB-1125-11A							
Q3719-03	SB-1125-11A	SOIL	Phenanthrene	100.000	J	26	210	ug/Kg
Q3719-03	SB-1125-11A	SOIL	Fluoranthene	250.000		37.3	210	ug/Kg
Q3719-03	SB-1125-11A	SOIL	Pyrene	190.000	J	44.8	210	ug/Kg
Q3719-03	SB-1125-11A	SOIL	Benzo(a)anthracene	220.000		28.6	210	ug/Kg
Q3719-03	SB-1125-11A	SOIL	Chrysene	190.000	J	24.7	210	ug/Kg
Q3719-03	SB-1125-11A	SOIL	Benzo(b)fluoranthene	230.000		23.6	210	ug/Kg
Q3719-03	SB-1125-11A	SOIL	Benzo(k)fluoranthene	110.000	J	27.8	210	ug/Kg

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Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q3719-03	SB-1125-11A	SOIL	Benzo(a)pyrene	200.000	J	36.7	210	ug/Kg
Q3719-03	SB-1125-11A	SOIL	Indeno(1,2,3-cd)pyrene	83.700	J	36.2	210	ug/Kg
Q3719-03	SB-1125-11A	SOIL	Benzo(g,h,i)perylene	90.800	J	32	210	ug/Kg
Total Svoc :				1,664.50				
Q3719-03	SB-1125-11A	SOIL	Benzophenone	*	200.000	J	0	ug/Kg
Q3719-03	SB-1125-11A	SOIL	Hexadecane	*	87.900	J	0	ug/Kg
Q3719-03	SB-1125-11A	SOIL	n-Hexadecanoic acid	*	400.000	J	0	ug/Kg
Q3719-03	SB-1125-11A	SOIL	Octacosane	*	110.000	J	0	ug/Kg
Q3719-03	SB-1125-11A	SOIL	Perylene	*	130.000	J	0	ug/Kg
Total Tics :				927.90				
Total Concentration:				2,592.40				
Client ID : SB-1125-11B								
Q3719-04	SB-1125-11B	SOIL	Naphthalene	79.300	J	25.4	190	ug/Kg
Q3719-04	SB-1125-11B	SOIL	Phenanthrene	180.000	J	23.4	190	ug/Kg
Q3719-04	SB-1125-11B	SOIL	Fluoranthene	240.000		33.6	190	ug/Kg
Q3719-04	SB-1125-11B	SOIL	Pyrene	180.000	J	40.3	190	ug/Kg
Q3719-04	SB-1125-11B	SOIL	Benzo(a)anthracene	150.000	J	25.7	190	ug/Kg
Q3719-04	SB-1125-11B	SOIL	Chrysene	130.000	J	22.3	190	ug/Kg
Q3719-04	SB-1125-11B	SOIL	Benzo(b)fluoranthene	150.000	J	21.3	190	ug/Kg
Q3719-04	SB-1125-11B	SOIL	Benzo(a)pyrene	130.000	J	33	190	ug/Kg
Total Svoc :				1,239.30				
Q3719-04	SB-1125-11B	SOIL	Benzo[e]pyrene	*	91.000	J	0	ug/Kg
Q3719-04	SB-1125-11B	SOIL	Benzophenone	*	180.000	J	0	ug/Kg
Q3719-04	SB-1125-11B	SOIL	Pentafluoropropionic acid, pentad	*	120.000	J	0	ug/Kg
Q3719-04	SB-1125-11B	SOIL	Tridecanoic acid	*	200.000	J	0	ug/Kg
Total Tics :				591.00				
Total Concentration:				1,830.30				
Client ID : SB-1125-12A								
Q3719-05	SB-1125-12A	SOIL	Diethylphthalate	150.000	J	41.7	250	ug/Kg
Q3719-05	SB-1125-12A	SOIL	Fluoranthene	130.000	J	44.2	250	ug/Kg
Q3719-05	SB-1125-12A	SOIL	Pyrene	100.000	J	53.1	250	ug/Kg
Q3719-05	SB-1125-12A	SOIL	Benzo(b)fluoranthene	120.000	J	28	250	ug/Kg
Total Svoc :				500.00				
Q3719-05	SB-1125-12A	SOIL	Benzophenone	*	220.000	J	0	ug/Kg
Q3719-05	SB-1125-12A	SOIL	Heptadecyl heptafluorobutyrate	*	180.000	J	0	ug/Kg
Q3719-05	SB-1125-12A	SOIL	n-Hexadecanoic acid	*	380.000	J	0	ug/Kg
Q3719-05	SB-1125-12A	SOIL	Nonadecane	*	170.000	J	0	ug/Kg
Total Tics :				950.00				
Total Concentration:				1,450.00				

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SDG No.: Q3719
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Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : SB-1125-12B								
Q3719-06	SB-1125-12B	SOIL	Naphthalene	96.500	J	26	190	ug/Kg
Q3719-06	SB-1125-12B	SOIL	Phenanthrene	160.000	J	23.9	190	ug/Kg
Q3719-06	SB-1125-12B	SOIL	Fluoranthene	260.000		34.3	190	ug/Kg
Q3719-06	SB-1125-12B	SOIL	Pyrene	170.000	J	41.2	190	ug/Kg
Q3719-06	SB-1125-12B	SOIL	Benzo(a)anthracene	150.000	J	26.3	190	ug/Kg
Q3719-06	SB-1125-12B	SOIL	Chrysene	120.000	J	22.8	190	ug/Kg
Q3719-06	SB-1125-12B	SOIL	Benzo(b)fluoranthene	160.000	J	21.7	190	ug/Kg
Q3719-06	SB-1125-12B	SOIL	Benzo(a)pyrene	120.000	J	33.8	190	ug/Kg
Total Svoc :				1,236.50				
Q3719-06	SB-1125-12B	SOIL	1-Pentadecanethiol	*	180.000	J 0	0	ug/Kg
Q3719-06	SB-1125-12B	SOIL	n-Hexadecanoic acid	*	530.000	J 0	0	ug/Kg
Q3719-06	SB-1125-12B	SOIL	Octadecanoic acid	*	150.000	J 0	0	ug/Kg
Q3719-06	SB-1125-12B	SOIL	Benzophenone	*	230.000	J 0	0	ug/Kg
Q3719-06	SB-1125-12B	SOIL	Heptadecane	*	89.600	J 0	0	ug/Kg
Total Tics :				1,179.60				
Total Concentration:				2,416.10				
Client ID : SB-1125-14A								
Q3719-07	SB-1125-14A	SOIL	Naphthalene	89.700	J	27.2	200	ug/Kg
Q3719-07	SB-1125-14A	SOIL	Phenanthrene	430.000		25	200	ug/Kg
Q3719-07	SB-1125-14A	SOIL	Anthracene	98.100	J	39.8	200	ug/Kg
Q3719-07	SB-1125-14A	SOIL	Fluoranthene	770.000		35.9	200	ug/Kg
Q3719-07	SB-1125-14A	SOIL	Pyrene	500.000		43.1	200	ug/Kg
Q3719-07	SB-1125-14A	SOIL	Benzo(a)anthracene	490.000		27.5	200	ug/Kg
Q3719-07	SB-1125-14A	SOIL	Chrysene	400.000		23.8	200	ug/Kg
Q3719-07	SB-1125-14A	SOIL	Benzo(b)fluoranthene	540.000		22.7	200	ug/Kg
Q3719-07	SB-1125-14A	SOIL	Benzo(k)fluoranthene	250.000		26.8	200	ug/Kg
Q3719-07	SB-1125-14A	SOIL	Benzo(a)pyrene	450.000		35.3	200	ug/Kg
Q3719-07	SB-1125-14A	SOIL	Indeno(1,2,3-cd)pyrene	140.000	J	34.8	200	ug/Kg
Q3719-07	SB-1125-14A	SOIL	Benzo(g,h,i)perylene	160.000	J	30.8	200	ug/Kg
Total Svoc :				4,317.80				
Q3719-07	SB-1125-14A	SOIL	1-Eicosene	*	89.300	J 0	0	ug/Kg
Q3719-07	SB-1125-14A	SOIL	1-Hexacosene	*	170.000	J 0	0	ug/Kg
Q3719-07	SB-1125-14A	SOIL	1-Octadecene	*	200.000	J 0	0	ug/Kg
Q3719-07	SB-1125-14A	SOIL	4-Amino-5-(5-bromothiophen-2-y	*	180.000	J 0	0	ug/Kg
Q3719-07	SB-1125-14A	SOIL	n-Hexadecanoic acid	*	660.000	J 0	0	ug/Kg
Q3719-07	SB-1125-14A	SOIL	Octacosane	*	790.000	J 0	0	ug/Kg
Q3719-07	SB-1125-14A	SOIL	Octadecane	*	170.000	J 0	0	ug/Kg
Q3719-07	SB-1125-14A	SOIL	Oxirane, hexadecyl-	*	100.000	J 0	0	ug/Kg
Q3719-07	SB-1125-14A	SOIL	Benzo[e]pyrene	*	350.000	J 0	0	ug/Kg

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Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q3719-07	SB-1125-14A	SOIL	Benzophenone	*	240.000	J 0	0	ug/Kg
Q3719-07	SB-1125-14A	SOIL	Hexacosane	*	230.000	J 0	0	ug/Kg
Total Tics :				3,179.30				
Total Concentration:				7,497.10				
Client ID : SB-1125-14B								
Q3719-08	SB-1125-14B	SOIL	Phenanthrene		180.000	J 23.6	190	ug/Kg
Q3719-08	SB-1125-14B	SOIL	Fluoranthene		420.000	33.9	190	ug/Kg
Q3719-08	SB-1125-14B	SOIL	Pyrene		280.000	40.7	190	ug/Kg
Q3719-08	SB-1125-14B	SOIL	Benzo(a)anthracene		280.000	26	190	ug/Kg
Q3719-08	SB-1125-14B	SOIL	Chrysene		290.000	22.5	190	ug/Kg
Q3719-08	SB-1125-14B	SOIL	Benzo(b)fluoranthene		360.000	21.5	190	ug/Kg
Q3719-08	SB-1125-14B	SOIL	Benzo(k)fluoranthene		150.000	J 25.3	190	ug/Kg
Q3719-08	SB-1125-14B	SOIL	Benzo(a)pyrene		290.000	33.3	190	ug/Kg
Q3719-08	SB-1125-14B	SOIL	Indeno(1,2,3-cd)pyrene		93.900	J 32.9	190	ug/Kg
Q3719-08	SB-1125-14B	SOIL	Benzo(g,h,i)perylene		110.000	J 29	190	ug/Kg
Total Svoc :				2,453.90				
Q3719-08	SB-1125-14B	SOIL	n-Hexadecanoic acid	*	420.000	J 0	0	ug/Kg
Q3719-08	SB-1125-14B	SOIL	Nonadecane	*	440.000	J 0	0	ug/Kg
Q3719-08	SB-1125-14B	SOIL	Pentadecafluorooctanoic acid, oct:	*	180.000	J 0	0	ug/Kg
Q3719-08	SB-1125-14B	SOIL	Benzo[e]pyrene	*	270.000	J 0	0	ug/Kg
Q3719-08	SB-1125-14B	SOIL	Benzophenone	*	240.000	J 0	0	ug/Kg
Q3719-08	SB-1125-14B	SOIL	Cyclohexadecane	*	160.000	J 0	0	ug/Kg
Q3719-08	SB-1125-14B	SOIL	Heptadecane	*	130.000	J 0	0	ug/Kg
Total Tics :				1,840.00				
Total Concentration:				4,293.90				
Client ID : SB-1125-15A								
Q3719-09	SB-1125-15A	SOIL	Phenanthrene		180.000	J 23.9	190	ug/Kg
Q3719-09	SB-1125-15A	SOIL	Fluoranthene		270.000	34.3	190	ug/Kg
Q3719-09	SB-1125-15A	SOIL	Pyrene		170.000	J 41.2	190	ug/Kg
Q3719-09	SB-1125-15A	SOIL	Benzo(a)anthracene		140.000	J 26.3	190	ug/Kg
Q3719-09	SB-1125-15A	SOIL	Chrysene		140.000	J 22.8	190	ug/Kg
Q3719-09	SB-1125-15A	SOIL	Bis(2-ethylhexyl)phthalate		82.900	J 67.7	190	ug/Kg
Q3719-09	SB-1125-15A	SOIL	Benzo(b)fluoranthene		190.000	21.7	190	ug/Kg
Q3719-09	SB-1125-15A	SOIL	Benzo(k)fluoranthene		76.900	J 25.6	190	ug/Kg
Q3719-09	SB-1125-15A	SOIL	Benzo(a)pyrene		130.000	J 33.7	190	ug/Kg
Total Svoc :				1,379.80				
Q3719-09	SB-1125-15A	SOIL	4-Methylheneicosane	*	100.000	J 0	0	ug/Kg
Q3719-09	SB-1125-15A	SOIL	Benzo[e]pyrene	*	85.800	J 0	0	ug/Kg
Q3719-09	SB-1125-15A	SOIL	Benzophenone	*	220.000	J 0	0	ug/Kg
Q3719-09	SB-1125-15A	SOIL	n-Hexadecanoic acid	*	360.000	J 0	0	ug/Kg

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SDG No.: Q3719
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Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q3719-09	SB-1125-15A	SOIL	Octacosyl trifluoroacetate	*	160.000	J 0	0	ug/Kg
Q3719-09	SB-1125-15A	SOIL	Octadecane	*	85.400	J 0	0	ug/Kg
Total Tics :				1,011.20				
Total Concentration:				2,391.00				
Client ID : SB-1125-15B								
Q3719-10	SB-1125-15B	SOIL	Diethylphthalate		140.000	J 31.6	190	ug/Kg
Q3719-10	SB-1125-15B	SOIL	Fluoranthene		97.300	J 33.5	190	ug/Kg
Q3719-10	SB-1125-15B	SOIL	Pyrene		74.700	J 40.1	190	ug/Kg
Total Svoc :				312.00				
Q3719-10	SB-1125-15B	SOIL	n-Hexadecanoic acid	*	140.000	J 0	0	ug/Kg
Q3719-10	SB-1125-15B	SOIL	Behenic alcohol	*	110.000	J 0	0	ug/Kg
Q3719-10	SB-1125-15B	SOIL	Benzophenone	*	170.000	J 0	0	ug/Kg
Total Tics :				420.00				
Total Concentration:				732.00				
Client ID : SB-1125-16A								
Q3719-11	SB-1125-16A	SOIL	Phenanthrene		220.000	23.7	190	ug/Kg
Q3719-11	SB-1125-16A	SOIL	Fluoranthene		410.000	34	190	ug/Kg
Q3719-11	SB-1125-16A	SOIL	Pyrene		260.000	40.8	190	ug/Kg
Q3719-11	SB-1125-16A	SOIL	Benzo(a)anthracene		190.000	26.1	190	ug/Kg
Q3719-11	SB-1125-16A	SOIL	Chrysene		170.000	J 22.6	190	ug/Kg
Q3719-11	SB-1125-16A	SOIL	Bis(2-ethylhexyl)phthalate		110.000	J 67.1	190	ug/Kg
Q3719-11	SB-1125-16A	SOIL	Benzo(b)fluoranthene		250.000	21.5	190	ug/Kg
Q3719-11	SB-1125-16A	SOIL	Benzo(k)fluoranthene		75.800	J 25.4	190	ug/Kg
Q3719-11	SB-1125-16A	SOIL	Benzo(a)pyrene		190.000	33.4	190	ug/Kg
Total Svoc :				1,875.80				
Q3719-11	SB-1125-16A	SOIL	4-Cyclopentene-1,3-dione	*	930.000	J 0	0	ug/Kg
Q3719-11	SB-1125-16A	SOIL	Carbonic acid, octadecyl prop-1-e	*	210.000	J 0	0	ug/Kg
Q3719-11	SB-1125-16A	SOIL	Benzo[e]pyrene	*	140.000	J 0	0	ug/Kg
Q3719-11	SB-1125-16A	SOIL	Benzophenone	*	270.000	J 0	0	ug/Kg
Q3719-11	SB-1125-16A	SOIL	Heptadecane	*	120.000	J 0	0	ug/Kg
Q3719-11	SB-1125-16A	SOIL	n-Hexadecanoic acid	*	700.000	J 0	0	ug/Kg
Q3719-11	SB-1125-16A	SOIL	Nonadecane	*	120.000	J 0	0	ug/Kg
Q3719-11	SB-1125-16A	SOIL	Octadecanoic acid	*	160.000	J 0	0	ug/Kg
Total Tics :				2,650.00				
Total Concentration:				4,525.80				
Client ID : SB-1125-16B								
Q3719-12	SB-1125-16B	SOIL	Phenanthrene		79.800	J 23	190	ug/Kg
Q3719-12	SB-1125-16B	SOIL	Fluoranthene		180.000	J 33	190	ug/Kg
Q3719-12	SB-1125-16B	SOIL	Pyrene		110.000	J 39.6	190	ug/Kg

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SDG No.: Q3719
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Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q3719-12	SB-1125-16B	SOIL	Benzo(a)anthracene	86.400	J	25.3	190	ug/Kg
Q3719-12	SB-1125-16B	SOIL	Chrysene	89.500	J	21.9	190	ug/Kg
Q3719-12	SB-1125-16B	SOIL	Benzo(b)fluoranthene	110.000	J	20.9	190	ug/Kg
Q3719-12	SB-1125-16B	SOIL	Benzo(a)pyrene	81.600	J	32.5	190	ug/Kg
Total Svoc :				737.30				
Q3719-12	SB-1125-16B	SOIL	Benzophenone	*	200.000	J 0	0	ug/Kg
Q3719-12	SB-1125-16B	SOIL	Heneicosane	*	80.400	J 0	0	ug/Kg
Q3719-12	SB-1125-16B	SOIL	Hentriacontane	*	88.100	J 0	0	ug/Kg
Q3719-12	SB-1125-16B	SOIL	Tetracosyl heptafluorobutyrate	*	140.000	J 0	0	ug/Kg
Q3719-12	SB-1125-16B	SOIL	Tridecanoic acid	*	270.000	J 0	0	ug/Kg
Total Tics :				778.50				
Total Concentration:				1,515.80				
Client ID : SB-1125-17A								
Q3719-13	SB-1125-17A	SOIL	Phenanthrene	370.000		24.2	200	ug/Kg
Q3719-13	SB-1125-17A	SOIL	Anthracene	88.900	J	38.5	200	ug/Kg
Q3719-13	SB-1125-17A	SOIL	Fluoranthene	800.000		34.7	200	ug/Kg
Q3719-13	SB-1125-17A	SOIL	Pyrene	630.000		41.6	200	ug/Kg
Q3719-13	SB-1125-17A	SOIL	Butylbenzylphthalate	93.600	J	82.5	200	ug/Kg
Q3719-13	SB-1125-17A	SOIL	Benzo(a)anthracene	320.000		26.6	200	ug/Kg
Q3719-13	SB-1125-17A	SOIL	Chrysene	320.000		23	200	ug/Kg
Q3719-13	SB-1125-17A	SOIL	Benzo(b)fluoranthene	390.000		22	200	ug/Kg
Q3719-13	SB-1125-17A	SOIL	Benzo(k)fluoranthene	180.000	J	25.9	200	ug/Kg
Q3719-13	SB-1125-17A	SOIL	Benzo(a)pyrene	300.000		34.1	200	ug/Kg
Q3719-13	SB-1125-17A	SOIL	Indeno(1,2,3-cd)pyrene	130.000	J	33.6	200	ug/Kg
Q3719-13	SB-1125-17A	SOIL	Benzo(g,h,i)perylene	160.000	J	29.7	200	ug/Kg
Total Svoc :				3,782.50				
Q3719-13	SB-1125-17A	SOIL	Benzophenone	*	230.000	J 0	0	ug/Kg
Q3719-13	SB-1125-17A	SOIL	n-Hexadecanoic acid	*	280.000	J 0	0	ug/Kg
Q3719-13	SB-1125-17A	SOIL	Tris(2-chloropropyl) phosphate	*	130.000	J 0	0	ug/Kg
Total Tics :				640.00				
Total Concentration:				4,422.50				
Client ID : SB-1125-17B								
Q3719-14	SB-1125-17B	SOIL	Phenanthrene	970.000	J	120	1000	ug/Kg
Q3719-14	SB-1125-17B	SOIL	Fluoranthene	1,400.000		180	1000	ug/Kg
Q3719-14	SB-1125-17B	SOIL	Pyrene	920.000	J	210	1000	ug/Kg
Q3719-14	SB-1125-17B	SOIL	Benzo(a)anthracene	500.000	J	140	1000	ug/Kg
Q3719-14	SB-1125-17B	SOIL	Chrysene	480.000	J	120	1000	ug/Kg
Q3719-14	SB-1125-17B	SOIL	Benzo(b)fluoranthene	550.000	J	110	1000	ug/Kg
Q3719-14	SB-1125-17B	SOIL	Benzo(a)pyrene	440.000	J	170	1000	ug/Kg
Total Svoc :				5,260.00				

Hit Summary Sheet
SW-846

SDG No.: Q3719
Client: Remington & Vernick

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q3719-14	SB-1125-17B	SOIL	Heneicosane	*	530.000	J 0	0	ug/Kg
Q3719-14	SB-1125-17B	SOIL	Heptacosane	*	620.000	J 0	0	ug/Kg
Q3719-14	SB-1125-17B	SOIL	Hexacosane	*	520.000	J 0	0	ug/Kg
Q3719-14	SB-1125-17B	SOIL	Eicosane	*	590.000	J 0	0	ug/Kg
Total Tics :					2,260.00			
Total Concentration:					7,520.00			



SAMPLE DATA

Report of Analysis

Client: Remington & Vernick	Date Collected: 11/24/25	
Project: Saddler Property	Date Received: 11/25/25	
Client Sample ID: SB-1125-10A	SDG No.: Q3719	
Lab Sample ID: Q3719-01	Matrix: SOIL	
Analytical Method: 8270E	% Solid: 76.2	
Sample Wt/Vol: 30.04 g	Test: SVOC-TCL BNA -20	
Prep Method : SW3541		
Level: LOW		
Final Vol: 1000 uL		
Prep Date: 11/25/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	200	U	1	200	430	ug/Kg	11/26/25 16:11	PB170735
108-95-2	Phenol	29.0	U	1	29.0	220	ug/Kg	11/26/25 16:11	PB170735
111-44-4	bis(2-Chloroethyl)ether	31.8	U	1	31.8	220	ug/Kg	11/26/25 16:11	PB170735
95-57-8	2-Chlorophenol	32.0	U	1	32.0	220	ug/Kg	11/26/25 16:11	PB170735
95-48-7	2-Methylphenol	39.2	U	1	39.2	220	ug/Kg	11/26/25 16:11	PB170735
108-60-1	2,2-oxybis(1-Chloropropane)	49.1	U	1	49.1	220	ug/Kg	11/26/25 16:11	PB170735
98-86-2	Acetophenone	38.7	U	1	38.7	220	ug/Kg	11/26/25 16:11	PB170735
65794-96-9	3+4-Methylphenols	53.9	U	1	53.9	430	ug/Kg	11/26/25 16:11	PB170735
621-64-7	n-Nitroso-di-n-propylamine	62.1	U	1	62.1	100	ug/Kg	11/26/25 16:11	PB170735
67-72-1	Hexachloroethane	23.1	U	1	23.1	220	ug/Kg	11/26/25 16:11	PB170735
98-95-3	Nitrobenzene	24.0	U	1	24.0	220	ug/Kg	11/26/25 16:11	PB170735
78-59-1	Isophorone	43.0	U	1	43.0	220	ug/Kg	11/26/25 16:11	PB170735
88-75-5	2-Nitrophenol	76.3	U	1	76.3	220	ug/Kg	11/26/25 16:11	PB170735
105-67-9	2,4-Dimethylphenol	84.9	U	1	84.9	220	ug/Kg	11/26/25 16:11	PB170735
111-91-1	bis(2-Chloroethoxy)methane	40.4	U	1	40.4	220	ug/Kg	11/26/25 16:11	PB170735
120-83-2	2,4-Dichlorophenol	37.1	U	1	37.1	220	ug/Kg	11/26/25 16:11	PB170735
91-20-3	Naphthalene	29.8	U	1	29.8	220	ug/Kg	11/26/25 16:11	PB170735
106-47-8	4-Chloroaniline	46.4	U	1	46.4	220	ug/Kg	11/26/25 16:11	PB170735
87-68-3	Hexachlorobutadiene	33.2	U	1	33.2	220	ug/Kg	11/26/25 16:11	PB170735
105-60-2	Caprolactam	68.3	U	1	68.3	430	ug/Kg	11/26/25 16:11	PB170735
59-50-7	4-Chloro-3-methylphenol	37.6	U	1	37.6	220	ug/Kg	11/26/25 16:11	PB170735
91-57-6	2-Methylnaphthalene	33.6	U	1	33.6	220	ug/Kg	11/26/25 16:11	PB170735
77-47-4	Hexachlorocyclopentadiene	150	U	1	150	430	ug/Kg	11/26/25 16:11	PB170735
88-06-2	2,4,6-Trichlorophenol	25.9	U	1	25.9	220	ug/Kg	11/26/25 16:11	PB170735
95-95-4	2,4,5-Trichlorophenol	38.1	U	1	38.1	220	ug/Kg	11/26/25 16:11	PB170735
92-52-4	1,1-Biphenyl	28.6	U	1	28.6	220	ug/Kg	11/26/25 16:11	PB170735
91-58-7	2-Chloronaphthalene	29.5	U	1	29.5	220	ug/Kg	11/26/25 16:11	PB170735
88-74-4	2-Nitroaniline	63.0	U	1	63.0	220	ug/Kg	11/26/25 16:11	PB170735
131-11-3	Dimethylphthalate	35.5	U	1	35.5	220	ug/Kg	11/26/25 16:11	PB170735
208-96-8	Acenaphthylene	37.9	U	1	37.9	220	ug/Kg	11/26/25 16:11	PB170735
606-20-2	2,6-Dinitrotoluene	44.0	U	1	44.0	220	ug/Kg	11/26/25 16:11	PB170735
99-09-2	3-Nitroaniline	60.3	U	1	60.3	220	ug/Kg	11/26/25 16:11	PB170735
83-32-9	Acenaphthene	27.9	U	1	27.9	220	ug/Kg	11/26/25 16:11	PB170735
51-28-5	2,4-Dinitrophenol	300	U	1	300	430	ug/Kg	11/26/25 16:11	PB170735
100-02-7	4-Nitrophenol	140	U	1	140	430	ug/Kg	11/26/25 16:11	PB170735
132-64-9	Dibenzofuran	29.8	U	1	29.8	220	ug/Kg	11/26/25 16:11	PB170735
121-14-2	2,4-Dinitrotoluene	65.7	U	1	65.7	220	ug/Kg	11/26/25 16:11	PB170735
84-66-2	Diethylphthalate	37.1	U	1	37.1	220	ug/Kg	11/26/25 16:11	PB170735
7005-72-3	4-Chlorophenyl-phenylether	35.0	U	1	35.0	220	ug/Kg	11/26/25 16:11	PB170735
86-73-7	Fluorene	33.2	U	1	33.2	220	ug/Kg	11/26/25 16:11	PB170735
100-01-6	4-Nitroaniline	84.1	U	1	84.1	220	ug/Kg	11/26/25 16:11	PB170735
534-52-1	4,6-Dinitro-2-methylphenol	130	U	1	130	430	ug/Kg	11/26/25 16:11	PB170735



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Report of Analysis

Client:	Remington & Vernick		Date Collected:	11/24/25
Project:	Saddler Property		Date Received:	11/25/25
Client Sample ID:	SB-1125-10A		SDG No.:	Q3719
Lab Sample ID:	Q3719-01		Matrix:	SOIL
Analytical Method:	8270E	Level: LOW	% Solid:	76.2
Sample Wt/Vol:	30.04 g	Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Prep Date: 11/25/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	43.1	U	1	43.1	220	ug/Kg	11/26/25 16:11	PB170735
101-55-3	4-Bromophenyl-phenylether	36.4	U	1	36.4	220	ug/Kg	11/26/25 16:11	PB170735
118-74-1	Hexachlorobenzene	33.2	U	1	33.2	220	ug/Kg	11/26/25 16:11	PB170735
1912-24-9	Atrazine	44.6	U	1	44.6	220	ug/Kg	11/26/25 16:11	PB170735
87-86-5	Pentachlorophenol	67.2	U	1	67.2	430	ug/Kg	11/26/25 16:11	PB170735
85-01-8	Phenanthrene	180	J	1	27.4	220	ug/Kg	11/26/25 16:11	PB170735
120-12-7	Anthracene	43.6	U	1	43.6	220	ug/Kg	11/26/25 16:11	PB170735
86-74-8	Carbazole	40.9	U	1	40.9	220	ug/Kg	11/26/25 16:11	PB170735
84-74-2	Di-n-butylphthalate	62.8	U	1	62.8	220	ug/Kg	11/26/25 16:11	PB170735
206-44-0	Fluoranthene	290		1	39.3	220	ug/Kg	11/26/25 16:11	PB170735
129-00-0	Pyrene	240		1	47.2	220	ug/Kg	11/26/25 16:11	PB170735
85-68-7	Butylbenzylphthalate	93.6	U	1	93.6	220	ug/Kg	11/26/25 16:11	PB170735
91-94-1	3,3-Dichlorobenzidine	48.1	U	1	48.1	430	ug/Kg	11/26/25 16:11	PB170735
56-55-3	Benzo(a)anthracene	170	J	1	30.1	220	ug/Kg	11/26/25 16:11	PB170735
218-01-9	Chrysene	180	J	1	26.1	220	ug/Kg	11/26/25 16:11	PB170735
117-81-7	Bis(2-ethylhexyl)phthalate	77.6	U	1	77.6	220	ug/Kg	11/26/25 16:11	PB170735
117-84-0	Di-n-octyl phthalate	110	U	1	110	430	ug/Kg	11/26/25 16:11	PB170735
205-99-2	Benzo(b)fluoranthene	190	J	1	24.9	220	ug/Kg	11/26/25 16:11	PB170735
207-08-9	Benzo(k)fluoranthene	89.4	J	1	29.4	220	ug/Kg	11/26/25 16:11	PB170735
50-32-8	Benzo(a)pyrene	170	J	1	38.7	220	ug/Kg	11/26/25 16:11	PB170735
193-39-5	Indeno(1,2,3-cd)pyrene	38.1	U	1	38.1	220	ug/Kg	11/26/25 16:11	PB170735
53-70-3	Dibenzo(a,h)anthracene	35.9	U	1	35.9	220	ug/Kg	11/26/25 16:11	PB170735
191-24-2	Benzo(g,h,i)perylene	33.7	U	1	33.7	220	ug/Kg	11/26/25 16:11	PB170735
95-94-3	1,2,4,5-Tetrachlorobenzene	33.6	U	1	33.6	220	ug/Kg	11/26/25 16:11	PB170735
123-91-1	1,4-Dioxane	59.2	U	1	59.2	220	ug/Kg	11/26/25 16:11	PB170735
58-90-2	2,3,4,6-Tetrachlorophenol	35.9	U	1	35.9	220	ug/Kg	11/26/25 16:11	PB170735

SURROGATES

367-12-4	2-Fluorophenol	80.4		10 - 105	54%	SPK: 150
13127-88-3	Phenol-d6	81.9		10 - 103	55%	SPK: 150
4165-60-0	Nitrobenzene-d5	56.6		10 - 108	57%	SPK: 100
321-60-8	2-Fluorobiphenyl	52.1		10 - 108	52%	SPK: 100
118-79-6	2,4,6-Tribromophenol	72.2		10 - 116	48%	SPK: 150
1718-51-0	Terphenyl-d14	40.2		10 - 109	40%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	56000
1146-65-2	Naphthalene-d8	213000
15067-26-2	Acenaphthene-d10	114000
1517-22-2	Phenanthrene-d10	183000
1719-03-5	Chrysene-d12	130000
1520-96-3	Perylene-d12	171000

TENTATIVE IDENTIFIED COMPOUNDS

000119-61-9	Benzophenone	230	J	10.6	ug/Kg
002416-19-5	cis-7-Hexadecenoic acid	96.5	J	11.8	ug/Kg



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Report of Analysis

Client:	Remington & Vernick	Date Collected:	11/24/25
Project:	Saddler Property	Date Received:	11/25/25
Client Sample ID:	SB-1125-10A	SDG No.:	Q3719
Lab Sample ID:	Q3719-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	76.2
	Level: LOW	Test:	SVOC-TCL BNA -20
Sample Wt/Vol:	30.04 g		
	Final Vol: 1000 uL		
Prep Method :	SW3541		
	Prep Date: 11/25/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
000057-10-3	n-Hexadecanoic acid	450	J			11.9	ug/Kg		
959261-23-5	Heptafluorobutyric acid, pentadecy	160	J			13.9	ug/Kg		
000192-97-2	Benzo[e]pyrene	110	J			15.4	ug/Kg		

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products



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Report of Analysis

Client:	Remington & Vernick		Date Collected:	11/24/25
Project:	Saddler Property		Date Received:	11/25/25
Client Sample ID:	SB-1125-10B		SDG No.:	Q3719
Lab Sample ID:	Q3719-02		Matrix:	SOIL
Analytical Method:	8270E	Level: LOW	% Solid:	86.5
Sample Wt/Vol:	30.02 g	Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Prep Date: 11/25/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	180	U	1	180	380	ug/Kg	11/26/25 16:42	PB170735
108-95-2	Phenol	25.5	U	1	25.5	200	ug/Kg	11/26/25 16:42	PB170735
111-44-4	bis(2-Chloroethyl)ether	28.1	U	1	28.1	200	ug/Kg	11/26/25 16:42	PB170735
95-57-8	2-Chlorophenol	28.2	U	1	28.2	200	ug/Kg	11/26/25 16:42	PB170735
95-48-7	2-Methylphenol	34.5	U	1	34.5	200	ug/Kg	11/26/25 16:42	PB170735
108-60-1	2,2-oxybis(1-Chloropropane)	43.3	U	1	43.3	200	ug/Kg	11/26/25 16:42	PB170735
98-86-2	Acetophenone	34.1	U	1	34.1	200	ug/Kg	11/26/25 16:42	PB170735
65794-96-9	3+4-Methylphenols	47.5	U	1	47.5	380	ug/Kg	11/26/25 16:42	PB170735
621-64-7	n-Nitroso-di-n-propylamine	54.8	U	1	54.8	92.4	ug/Kg	11/26/25 16:42	PB170735
67-72-1	Hexachloroethane	20.3	U	1	20.3	200	ug/Kg	11/26/25 16:42	PB170735
98-95-3	Nitrobenzene	21.1	U	1	21.1	200	ug/Kg	11/26/25 16:42	PB170735
78-59-1	Isophorone	37.9	U	1	37.9	200	ug/Kg	11/26/25 16:42	PB170735
88-75-5	2-Nitrophenol	67.2	U	1	67.2	200	ug/Kg	11/26/25 16:42	PB170735
105-67-9	2,4-Dimethylphenol	74.9	U	1	74.9	200	ug/Kg	11/26/25 16:42	PB170735
111-91-1	bis(2-Chloroethoxy)methane	35.6	U	1	35.6	200	ug/Kg	11/26/25 16:42	PB170735
120-83-2	2,4-Dichlorophenol	32.7	U	1	32.7	200	ug/Kg	11/26/25 16:42	PB170735
91-20-3	Naphthalene	26.2	U	1	26.2	200	ug/Kg	11/26/25 16:42	PB170735
106-47-8	4-Chloroaniline	40.9	U	1	40.9	200	ug/Kg	11/26/25 16:42	PB170735
87-68-3	Hexachlorobutadiene	29.2	U	1	29.2	200	ug/Kg	11/26/25 16:42	PB170735
105-60-2	Caprolactam	60.2	U	1	60.2	380	ug/Kg	11/26/25 16:42	PB170735
59-50-7	4-Chloro-3-methylphenol	33.2	U	1	33.2	200	ug/Kg	11/26/25 16:42	PB170735
91-57-6	2-Methylnaphthalene	29.6	U	1	29.6	200	ug/Kg	11/26/25 16:42	PB170735
77-47-4	Hexachlorocyclopentadiene	130	U	1	130	380	ug/Kg	11/26/25 16:42	PB170735
88-06-2	2,4,6-Trichlorophenol	22.9	U	1	22.9	200	ug/Kg	11/26/25 16:42	PB170735
95-95-4	2,4,5-Trichlorophenol	33.6	U	1	33.6	200	ug/Kg	11/26/25 16:42	PB170735
92-52-4	1,1-Biphenyl	25.2	U	1	25.2	200	ug/Kg	11/26/25 16:42	PB170735
91-58-7	2-Chloronaphthalene	26.0	U	1	26.0	200	ug/Kg	11/26/25 16:42	PB170735
88-74-4	2-Nitroaniline	55.6	U	1	55.6	200	ug/Kg	11/26/25 16:42	PB170735
131-11-3	Dimethylphthalate	31.3	U	1	31.3	200	ug/Kg	11/26/25 16:42	PB170735
208-96-8	Acenaphthylene	33.4	U	1	33.4	200	ug/Kg	11/26/25 16:42	PB170735
606-20-2	2,6-Dinitrotoluene	38.8	U	1	38.8	200	ug/Kg	11/26/25 16:42	PB170735
99-09-2	3-Nitroaniline	53.1	U	1	53.1	200	ug/Kg	11/26/25 16:42	PB170735
83-32-9	Acenaphthene	24.6	U	1	24.6	200	ug/Kg	11/26/25 16:42	PB170735
51-28-5	2,4-Dinitrophenol	260	U	1	260	380	ug/Kg	11/26/25 16:42	PB170735
100-02-7	4-Nitrophenol	120	U	1	120	380	ug/Kg	11/26/25 16:42	PB170735
132-64-9	Dibenzofuran	26.2	U	1	26.2	200	ug/Kg	11/26/25 16:42	PB170735
121-14-2	2,4-Dinitrotoluene	57.9	U	1	57.9	200	ug/Kg	11/26/25 16:42	PB170735
84-66-2	Diethylphthalate	32.7	U	1	32.7	200	ug/Kg	11/26/25 16:42	PB170735
7005-72-3	4-Chlorophenyl-phenylether	30.8	U	1	30.8	200	ug/Kg	11/26/25 16:42	PB170735
86-73-7	Fluorene	29.2	U	1	29.2	200	ug/Kg	11/26/25 16:42	PB170735
100-01-6	4-Nitroaniline	74.2	U	1	74.2	200	ug/Kg	11/26/25 16:42	PB170735
534-52-1	4,6-Dinitro-2-methylphenol	120	U	1	120	380	ug/Kg	11/26/25 16:42	PB170735



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Report of Analysis

Client:	Remington & Vernick		Date Collected:	11/24/25
Project:	Saddler Property		Date Received:	11/25/25
Client Sample ID:	SB-1125-10B		SDG No.:	Q3719
Lab Sample ID:	Q3719-02		Matrix:	SOIL
Analytical Method:	8270E	Level: LOW	% Solid:	86.5
Sample Wt/Vol:	30.02 g	Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Prep Date: 11/25/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	38.0	U	1	38.0	200	ug/Kg	11/26/25 16:42	PB170735
101-55-3	4-Bromophenyl-phenylether	32.1	U	1	32.1	200	ug/Kg	11/26/25 16:42	PB170735
118-74-1	Hexachlorobenzene	29.2	U	1	29.2	200	ug/Kg	11/26/25 16:42	PB170735
1912-24-9	Atrazine	39.3	U	1	39.3	200	ug/Kg	11/26/25 16:42	PB170735
87-86-5	Pentachlorophenol	59.3	U	1	59.3	380	ug/Kg	11/26/25 16:42	PB170735
85-01-8	Phenanthrene	24.1	U	1	24.1	200	ug/Kg	11/26/25 16:42	PB170735
120-12-7	Anthracene	38.5	U	1	38.5	200	ug/Kg	11/26/25 16:42	PB170735
86-74-8	Carbazole	36.0	U	1	36.0	200	ug/Kg	11/26/25 16:42	PB170735
84-74-2	Di-n-butylphthalate	55.3	U	1	55.3	200	ug/Kg	11/26/25 16:42	PB170735
206-44-0	Fluoranthene	120	J	1	34.7	200	ug/Kg	11/26/25 16:42	PB170735
129-00-0	Pyrene	98.8	J	1	41.6	200	ug/Kg	11/26/25 16:42	PB170735
85-68-7	Butylbenzylphthalate	82.5	U	1	82.5	200	ug/Kg	11/26/25 16:42	PB170735
91-94-1	3,3-Dichlorobenzidine	42.4	U	1	42.4	380	ug/Kg	11/26/25 16:42	PB170735
56-55-3	Benzo(a)anthracene	91.5	J	1	26.6	200	ug/Kg	11/26/25 16:42	PB170735
218-01-9	Chrysene	79.3	J	1	23.0	200	ug/Kg	11/26/25 16:42	PB170735
117-81-7	Bis(2-ethylhexyl)phthalate	68.4	U	1	68.4	200	ug/Kg	11/26/25 16:42	PB170735
117-84-0	Di-n-octyl phthalate	100	U	1	100	380	ug/Kg	11/26/25 16:42	PB170735
205-99-2	Benzo(b)fluoranthene	93.5	J	1	22.0	200	ug/Kg	11/26/25 16:42	PB170735
207-08-9	Benzo(k)fluoranthene	25.9	U	1	25.9	200	ug/Kg	11/26/25 16:42	PB170735
50-32-8	Benzo(a)pyrene	85.0	J	1	34.1	200	ug/Kg	11/26/25 16:42	PB170735
193-39-5	Indeno(1,2,3-cd)pyrene	33.6	U	1	33.6	200	ug/Kg	11/26/25 16:42	PB170735
53-70-3	Dibenzo(a,h)anthracene	31.7	U	1	31.7	200	ug/Kg	11/26/25 16:42	PB170735
191-24-2	Benzo(g,h,i)perylene	29.7	U	1	29.7	200	ug/Kg	11/26/25 16:42	PB170735
95-94-3	1,2,4,5-Tetrachlorobenzene	29.6	U	1	29.6	200	ug/Kg	11/26/25 16:42	PB170735
123-91-1	1,4-Dioxane	52.2	U	1	52.2	200	ug/Kg	11/26/25 16:42	PB170735
58-90-2	2,3,4,6-Tetrachlorophenol	31.7	U	1	31.7	200	ug/Kg	11/26/25 16:42	PB170735

SURROGATES

367-12-4	2-Fluorophenol	70.5		10 - 105	47%	SPK: 150
13127-88-3	Phenol-d6	72.9		10 - 103	49%	SPK: 150
4165-60-0	Nitrobenzene-d5	48.7		10 - 108	49%	SPK: 100
321-60-8	2-Fluorobiphenyl	42.5		10 - 108	43%	SPK: 100
118-79-6	2,4,6-Tribromophenol	57.5		10 - 116	38%	SPK: 150
1718-51-0	Terphenyl-d14	30.6		10 - 109	31%	SPK: 100

INTERNAL STANDARDS

	Area Count
3855-82-1 1,4-Dichlorobenzene-d4	63000
1146-65-2 Naphthalene-d8	239000
15067-26-2 Acenaphthene-d10	130000
1517-22-2 Phenanthrene-d10	197000
1719-03-5 Chrysene-d12	149000
1520-96-3 Perylene-d12	195000

TENTATIVE IDENTIFIED COMPOUNDS

000119-61-9	Benzophenone	160	J	10.6	ug/Kg
000057-10-3	n-Hexadecanoic acid	290	J	11.9	ug/Kg



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Report of Analysis

Client:	Remington & Vernick	Date Collected:	11/24/25
Project:	Saddler Property	Date Received:	11/25/25
Client Sample ID:	SB-1125-10B	SDG No.:	Q3719
Lab Sample ID:	Q3719-02	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.5
	Level: LOW	Test:	SVOC-TCL BNA -20
Sample Wt/Vol:	30.02 g		
	Final Vol: 1000 uL		
Prep Method :	SW3541		
	Prep Date: 11/25/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
018835-32-0	1-Tricosene	140	J			13.9	ug/Kg		

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products



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Report of Analysis

Client:	Remington & Vernick		Date Collected:	11/24/25
Project:	Saddler Property		Date Received:	11/25/25
Client Sample ID:	SB-1125-11A		SDG No.:	Q3719
Lab Sample ID:	Q3719-03		Matrix:	SOIL
Analytical Method:	8270E	Level: LOW	% Solid:	80.3
Sample Wt/Vol:	30.05 g	Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Prep Date: 11/25/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	190	U	1	190	410	ug/Kg	11/26/25 17:12	PB170735
108-95-2	Phenol	27.5	U	1	27.5	210	ug/Kg	11/26/25 17:12	PB170735
111-44-4	bis(2-Chloroethyl)ether	30.2	U	1	30.2	210	ug/Kg	11/26/25 17:12	PB170735
95-57-8	2-Chlorophenol	30.3	U	1	30.3	210	ug/Kg	11/26/25 17:12	PB170735
95-48-7	2-Methylphenol	37.2	U	1	37.2	210	ug/Kg	11/26/25 17:12	PB170735
108-60-1	2,2-oxybis(1-Chloropropane)	46.6	U	1	46.6	210	ug/Kg	11/26/25 17:12	PB170735
98-86-2	Acetophenone	36.7	U	1	36.7	210	ug/Kg	11/26/25 17:12	PB170735
65794-96-9	3+4-Methylphenols	51.1	U	1	51.1	410	ug/Kg	11/26/25 17:12	PB170735
621-64-7	n-Nitroso-di-n-propylamine	58.9	U	1	58.9	99.5	ug/Kg	11/26/25 17:12	PB170735
67-72-1	Hexachloroethane	21.9	U	1	21.9	210	ug/Kg	11/26/25 17:12	PB170735
98-95-3	Nitrobenzene	22.8	U	1	22.8	210	ug/Kg	11/26/25 17:12	PB170735
78-59-1	Isophorone	40.8	U	1	40.8	210	ug/Kg	11/26/25 17:12	PB170735
88-75-5	2-Nitrophenol	72.4	U	1	72.4	210	ug/Kg	11/26/25 17:12	PB170735
105-67-9	2,4-Dimethylphenol	80.6	U	1	80.6	210	ug/Kg	11/26/25 17:12	PB170735
111-91-1	bis(2-Chloroethoxy)methane	38.3	U	1	38.3	210	ug/Kg	11/26/25 17:12	PB170735
120-83-2	2,4-Dichlorophenol	35.2	U	1	35.2	210	ug/Kg	11/26/25 17:12	PB170735
91-20-3	Naphthalene	28.2	U	1	28.2	210	ug/Kg	11/26/25 17:12	PB170735
106-47-8	4-Chloroaniline	44.0	U	1	44.0	210	ug/Kg	11/26/25 17:12	PB170735
87-68-3	Hexachlorobutadiene	31.5	U	1	31.5	210	ug/Kg	11/26/25 17:12	PB170735
105-60-2	Caprolactam	64.8	U	1	64.8	410	ug/Kg	11/26/25 17:12	PB170735
59-50-7	4-Chloro-3-methylphenol	35.7	U	1	35.7	210	ug/Kg	11/26/25 17:12	PB170735
91-57-6	2-Methylnaphthalene	31.8	U	1	31.8	210	ug/Kg	11/26/25 17:12	PB170735
77-47-4	Hexachlorocyclopentadiene	140	U	1	140	410	ug/Kg	11/26/25 17:12	PB170735
88-06-2	2,4,6-Trichlorophenol	24.6	U	1	24.6	210	ug/Kg	11/26/25 17:12	PB170735
95-95-4	2,4,5-Trichlorophenol	36.2	U	1	36.2	210	ug/Kg	11/26/25 17:12	PB170735
92-52-4	1,1-Biphenyl	27.1	U	1	27.1	210	ug/Kg	11/26/25 17:12	PB170735
91-58-7	2-Chloronaphthalene	28.0	U	1	28.0	210	ug/Kg	11/26/25 17:12	PB170735
88-74-4	2-Nitroaniline	59.8	U	1	59.8	210	ug/Kg	11/26/25 17:12	PB170735
131-11-3	Dimethylphthalate	33.7	U	1	33.7	210	ug/Kg	11/26/25 17:12	PB170735
208-96-8	Acenaphthylene	35.9	U	1	35.9	210	ug/Kg	11/26/25 17:12	PB170735
606-20-2	2,6-Dinitrotoluene	41.8	U	1	41.8	210	ug/Kg	11/26/25 17:12	PB170735
99-09-2	3-Nitroaniline	57.2	U	1	57.2	210	ug/Kg	11/26/25 17:12	PB170735
83-32-9	Acenaphthene	26.5	U	1	26.5	210	ug/Kg	11/26/25 17:12	PB170735
51-28-5	2,4-Dinitrophenol	280	U	1	280	410	ug/Kg	11/26/25 17:12	PB170735
100-02-7	4-Nitrophenol	130	U	1	130	410	ug/Kg	11/26/25 17:12	PB170735
132-64-9	Dibenzofuran	28.2	U	1	28.2	210	ug/Kg	11/26/25 17:12	PB170735
121-14-2	2,4-Dinitrotoluene	62.3	U	1	62.3	210	ug/Kg	11/26/25 17:12	PB170735
84-66-2	Diethylphthalate	35.2	U	1	35.2	210	ug/Kg	11/26/25 17:12	PB170735
7005-72-3	4-Chlorophenyl-phenylether	33.2	U	1	33.2	210	ug/Kg	11/26/25 17:12	PB170735
86-73-7	Fluorene	31.5	U	1	31.5	210	ug/Kg	11/26/25 17:12	PB170735
100-01-6	4-Nitroaniline	79.8	U	1	79.8	210	ug/Kg	11/26/25 17:12	PB170735
534-52-1	4,6-Dinitro-2-methylphenol	130	U	1	130	410	ug/Kg	11/26/25 17:12	PB170735

Report of Analysis

Client: Remington & Vernick	Date Collected: 11/24/25	
Project: Saddler Property	Date Received: 11/25/25	
Client Sample ID: SB-1125-11A	SDG No.: Q3719	
Lab Sample ID: Q3719-03	Matrix: SOIL	
Analytical Method: 8270E	% Solid: 80.3	
Sample Wt/Vol: 30.05 g	Test: SVOC-TCL BNA -20	
Prep Method : SW3541		
Level: LOW		
Final Vol: 1000 uL		
Prep Date: 11/25/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	40.9	U	1	40.9	210	ug/Kg	11/26/25 17:12	PB170735
101-55-3	4-Bromophenyl-phenylether	34.6	U	1	34.6	210	ug/Kg	11/26/25 17:12	PB170735
118-74-1	Hexachlorobenzene	31.5	U	1	31.5	210	ug/Kg	11/26/25 17:12	PB170735
1912-24-9	Atrazine	42.3	U	1	42.3	210	ug/Kg	11/26/25 17:12	PB170735
87-86-5	Pentachlorophenol	63.8	U	1	63.8	410	ug/Kg	11/26/25 17:12	PB170735
85-01-8	Phenanthrene	100	J	1	26.0	210	ug/Kg	11/26/25 17:12	PB170735
120-12-7	Anthracene	41.4	U	1	41.4	210	ug/Kg	11/26/25 17:12	PB170735
86-74-8	Carbazole	38.8	U	1	38.8	210	ug/Kg	11/26/25 17:12	PB170735
84-74-2	Di-n-butylphthalate	59.6	U	1	59.6	210	ug/Kg	11/26/25 17:12	PB170735
206-44-0	Fluoranthene	250		1	37.3	210	ug/Kg	11/26/25 17:12	PB170735
129-00-0	Pyrene	190	J	1	44.8	210	ug/Kg	11/26/25 17:12	PB170735
85-68-7	Butylbenzylphthalate	88.8	U	1	88.8	210	ug/Kg	11/26/25 17:12	PB170735
91-94-1	3,3-Dichlorobenzidine	45.6	U	1	45.6	410	ug/Kg	11/26/25 17:12	PB170735
56-55-3	Benzo(a)anthracene	220		1	28.6	210	ug/Kg	11/26/25 17:12	PB170735
218-01-9	Chrysene	190	J	1	24.7	210	ug/Kg	11/26/25 17:12	PB170735
117-81-7	Bis(2-ethylhexyl)phthalate	73.6	U	1	73.6	210	ug/Kg	11/26/25 17:12	PB170735
117-84-0	Di-n-octyl phthalate	110	U	1	110	410	ug/Kg	11/26/25 17:12	PB170735
205-99-2	Benzo(b)fluoranthene	230		1	23.6	210	ug/Kg	11/26/25 17:12	PB170735
207-08-9	Benzo(k)fluoranthene	110	J	1	27.8	210	ug/Kg	11/26/25 17:12	PB170735
50-32-8	Benzo(a)pyrene	200	J	1	36.7	210	ug/Kg	11/26/25 17:12	PB170735
193-39-5	Indeno(1,2,3-cd)pyrene	83.7	J	1	36.2	210	ug/Kg	11/26/25 17:12	PB170735
53-70-3	Dibenzo(a,h)anthracene	34.1	U	1	34.1	210	ug/Kg	11/26/25 17:12	PB170735
191-24-2	Benzo(g,h,i)perylene	90.8	J	1	32.0	210	ug/Kg	11/26/25 17:12	PB170735
95-94-3	1,2,4,5-Tetrachlorobenzene	31.8	U	1	31.8	210	ug/Kg	11/26/25 17:12	PB170735
123-91-1	1,4-Dioxane	56.2	U	1	56.2	210	ug/Kg	11/26/25 17:12	PB170735
58-90-2	2,3,4,6-Tetrachlorophenol	34.1	U	1	34.1	210	ug/Kg	11/26/25 17:12	PB170735

SURROGATES

367-12-4	2-Fluorophenol	82.5			10 - 105	55%	SPK: 150
13127-88-3	Phenol-d6	85.3			10 - 103	57%	SPK: 150
4165-60-0	Nitrobenzene-d5	56.6			10 - 108	57%	SPK: 100
321-60-8	2-Fluorobiphenyl	56.0			10 - 108	56%	SPK: 100
118-79-6	2,4,6-Tribromophenol	75.3			10 - 116	50%	SPK: 150
1718-51-0	Terphenyl-d14	39.9			10 - 109	40%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	56500
1146-65-2	Naphthalene-d8	215000
15067-26-2	Acenaphthene-d10	115000
1517-22-2	Phenanthrene-d10	176000
1719-03-5	Chrysene-d12	134000
1520-96-3	Perylene-d12	176000

TENTATIVE IDENTIFIED COMPOUNDS

000119-61-9	Benzophenone	200	J	10.6	ug/Kg
000057-10-3	n-Hexadecanoic acid	400	J	11.9	ug/Kg



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Report of Analysis

Client:	Remington & Vernick		Date Collected:	11/24/25
Project:	Saddler Property		Date Received:	11/25/25
Client Sample ID:	SB-1125-11A		SDG No.:	Q3719
Lab Sample ID:	Q3719-03		Matrix:	SOIL
Analytical Method:	8270E	Level: LOW	% Solid:	80.3
Sample Wt/Vol:	30.05 g	Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Prep Date: 11/25/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
000198-55-0	Perylene	130	J			15.4	ug/Kg		
000544-76-3	Hexadecane	87.9	J			16.0	ug/Kg		
000630-02-4	Octacosane	110	J			16.5	ug/Kg		

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products



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Fax : 908 789 8922

Report of Analysis

Client:	Remington & Vernick		Date Collected:	11/24/25
Project:	Saddler Property		Date Received:	11/25/25
Client Sample ID:	SB-1125-11B		SDG No.:	Q3719
Lab Sample ID:	Q3719-04		Matrix:	SOIL
Analytical Method:	8270E	Level: LOW	% Solid:	89.2
Sample Wt/Vol:	30.07 g	Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Prep Date: 11/25/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	170	U	1	170	370	ug/Kg	11/26/25 17:42	PB170735
108-95-2	Phenol	24.7	U	1	24.7	190	ug/Kg	11/26/25 17:42	PB170735
111-44-4	bis(2-Chloroethyl)ether	27.2	U	1	27.2	190	ug/Kg	11/26/25 17:42	PB170735
95-57-8	2-Chlorophenol	27.3	U	1	27.3	190	ug/Kg	11/26/25 17:42	PB170735
95-48-7	2-Methylphenol	33.4	U	1	33.4	190	ug/Kg	11/26/25 17:42	PB170735
108-60-1	2,2-oxybis(1-Chloropropane)	41.9	U	1	41.9	190	ug/Kg	11/26/25 17:42	PB170735
98-86-2	Acetophenone	33.0	U	1	33.0	190	ug/Kg	11/26/25 17:42	PB170735
65794-96-9	3+4-Methylphenols	46.0	U	1	46.0	370	ug/Kg	11/26/25 17:42	PB170735
621-64-7	n-Nitroso-di-n-propylamine	53.0	U	1	53.0	89.5	ug/Kg	11/26/25 17:42	PB170735
67-72-1	Hexachloroethane	19.7	U	1	19.7	190	ug/Kg	11/26/25 17:42	PB170735
98-95-3	Nitrobenzene	20.5	U	1	20.5	190	ug/Kg	11/26/25 17:42	PB170735
78-59-1	Isophorone	36.7	U	1	36.7	190	ug/Kg	11/26/25 17:42	PB170735
88-75-5	2-Nitrophenol	65.1	U	1	65.1	190	ug/Kg	11/26/25 17:42	PB170735
105-67-9	2,4-Dimethylphenol	72.5	U	1	72.5	190	ug/Kg	11/26/25 17:42	PB170735
111-91-1	bis(2-Chloroethoxy)methane	34.4	U	1	34.4	190	ug/Kg	11/26/25 17:42	PB170735
120-83-2	2,4-Dichlorophenol	31.7	U	1	31.7	190	ug/Kg	11/26/25 17:42	PB170735
91-20-3	Naphthalene	79.3	J	1	25.4	190	ug/Kg	11/26/25 17:42	PB170735
106-47-8	4-Chloroaniline	39.6	U	1	39.6	190	ug/Kg	11/26/25 17:42	PB170735
87-68-3	Hexachlorobutadiene	28.3	U	1	28.3	190	ug/Kg	11/26/25 17:42	PB170735
105-60-2	Caprolactam	58.3	U	1	58.3	370	ug/Kg	11/26/25 17:42	PB170735
59-50-7	4-Chloro-3-methylphenol	32.1	U	1	32.1	190	ug/Kg	11/26/25 17:42	PB170735
91-57-6	2-Methylnaphthalene	28.6	U	1	28.6	190	ug/Kg	11/26/25 17:42	PB170735
77-47-4	Hexachlorocyclopentadiene	130	U	1	130	370	ug/Kg	11/26/25 17:42	PB170735
88-06-2	2,4,6-Trichlorophenol	22.1	U	1	22.1	190	ug/Kg	11/26/25 17:42	PB170735
95-95-4	2,4,5-Trichlorophenol	32.5	U	1	32.5	190	ug/Kg	11/26/25 17:42	PB170735
92-52-4	1,1-Biphenyl	24.4	U	1	24.4	190	ug/Kg	11/26/25 17:42	PB170735
91-58-7	2-Chloronaphthalene	25.2	U	1	25.2	190	ug/Kg	11/26/25 17:42	PB170735
88-74-4	2-Nitroaniline	53.8	U	1	53.8	190	ug/Kg	11/26/25 17:42	PB170735
131-11-3	Dimethylphthalate	30.3	U	1	30.3	190	ug/Kg	11/26/25 17:42	PB170735
208-96-8	Acenaphthylene	32.3	U	1	32.3	190	ug/Kg	11/26/25 17:42	PB170735
606-20-2	2,6-Dinitrotoluene	37.6	U	1	37.6	190	ug/Kg	11/26/25 17:42	PB170735
99-09-2	3-Nitroaniline	51.4	U	1	51.4	190	ug/Kg	11/26/25 17:42	PB170735
83-32-9	Acenaphthene	23.8	U	1	23.8	190	ug/Kg	11/26/25 17:42	PB170735
51-28-5	2,4-Dinitrophenol	260	U	1	260	370	ug/Kg	11/26/25 17:42	PB170735
100-02-7	4-Nitrophenol	120	U	1	120	370	ug/Kg	11/26/25 17:42	PB170735
132-64-9	Dibenzofuran	25.4	U	1	25.4	190	ug/Kg	11/26/25 17:42	PB170735
121-14-2	2,4-Dinitrotoluene	56.0	U	1	56.0	190	ug/Kg	11/26/25 17:42	PB170735
84-66-2	Diethylphthalate	31.7	U	1	31.7	190	ug/Kg	11/26/25 17:42	PB170735
7005-72-3	4-Chlorophenyl-phenylether	29.9	U	1	29.9	190	ug/Kg	11/26/25 17:42	PB170735
86-73-7	Fluorene	28.3	U	1	28.3	190	ug/Kg	11/26/25 17:42	PB170735
100-01-6	4-Nitroaniline	71.8	U	1	71.8	190	ug/Kg	11/26/25 17:42	PB170735
534-52-1	4,6-Dinitro-2-methylphenol	120	U	1	120	370	ug/Kg	11/26/25 17:42	PB170735

Report of Analysis

Client: Remington & Vernick	Date Collected: 11/24/25	
Project: Saddler Property	Date Received: 11/25/25	
Client Sample ID: SB-1125-11B	SDG No.: Q3719	
Lab Sample ID: Q3719-04	Matrix: SOIL	
Analytical Method: 8270E	% Solid: 89.2	
Sample Wt/Vol: 30.07 g	Test: SVOC-TCL BNA -20	
Prep Method : SW3541		
Level: LOW		
Final Vol: 1000 uL		
Prep Date: 11/25/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	36.8	U	1	36.8	190	ug/Kg	11/26/25 17:42	PB170735
101-55-3	4-Bromophenyl-phenylether	31.1	U	1	31.1	190	ug/Kg	11/26/25 17:42	PB170735
118-74-1	Hexachlorobenzene	28.3	U	1	28.3	190	ug/Kg	11/26/25 17:42	PB170735
1912-24-9	Atrazine	38.0	U	1	38.0	190	ug/Kg	11/26/25 17:42	PB170735
87-86-5	Pentachlorophenol	57.4	U	1	57.4	370	ug/Kg	11/26/25 17:42	PB170735
85-01-8	Phenanthrene	180	J	1	23.4	190	ug/Kg	11/26/25 17:42	PB170735
120-12-7	Anthracene	37.2	U	1	37.2	190	ug/Kg	11/26/25 17:42	PB170735
86-74-8	Carbazole	34.9	U	1	34.9	190	ug/Kg	11/26/25 17:42	PB170735
84-74-2	Di-n-butylphthalate	53.6	U	1	53.6	190	ug/Kg	11/26/25 17:42	PB170735
206-44-0	Fluoranthene	240		1	33.6	190	ug/Kg	11/26/25 17:42	PB170735
129-00-0	Pyrene	180	J	1	40.3	190	ug/Kg	11/26/25 17:42	PB170735
85-68-7	Butylbenzylphthalate	79.9	U	1	79.9	190	ug/Kg	11/26/25 17:42	PB170735
91-94-1	3,3-Dichlorobenzidine	41.0	U	1	41.0	370	ug/Kg	11/26/25 17:42	PB170735
56-55-3	Benzo(a)anthracene	150	J	1	25.7	190	ug/Kg	11/26/25 17:42	PB170735
218-01-9	Chrysene	130	J	1	22.3	190	ug/Kg	11/26/25 17:42	PB170735
117-81-7	Bis(2-ethylhexyl)phthalate	66.2	U	1	66.2	190	ug/Kg	11/26/25 17:42	PB170735
117-84-0	Di-n-octyl phthalate	97.1	U	1	97.1	370	ug/Kg	11/26/25 17:42	PB170735
205-99-2	Benzo(b)fluoranthene	150	J	1	21.3	190	ug/Kg	11/26/25 17:42	PB170735
207-08-9	Benzo(k)fluoranthene	25.1	U	1	25.1	190	ug/Kg	11/26/25 17:42	PB170735
50-32-8	Benzo(a)pyrene	130	J	1	33.0	190	ug/Kg	11/26/25 17:42	PB170735
193-39-5	Indeno(1,2,3-cd)pyrene	32.5	U	1	32.5	190	ug/Kg	11/26/25 17:42	PB170735
53-70-3	Dibenzo(a,h)anthracene	30.6	U	1	30.6	190	ug/Kg	11/26/25 17:42	PB170735
191-24-2	Benzo(g,h,i)perylene	28.7	U	1	28.7	190	ug/Kg	11/26/25 17:42	PB170735
95-94-3	1,2,4,5-Tetrachlorobenzene	28.6	U	1	28.6	190	ug/Kg	11/26/25 17:42	PB170735
123-91-1	1,4-Dioxane	50.6	U	1	50.6	190	ug/Kg	11/26/25 17:42	PB170735
58-90-2	2,3,4,6-Tetrachlorophenol	30.6	U	1	30.6	190	ug/Kg	11/26/25 17:42	PB170735

SURROGATES

367-12-4	2-Fluorophenol	74.2			10 - 105	49%	SPK: 150
13127-88-3	Phenol-d6	76.7			10 - 103	51%	SPK: 150
4165-60-0	Nitrobenzene-d5	49.4			10 - 108	49%	SPK: 100
321-60-8	2-Fluorobiphenyl	50.7			10 - 108	51%	SPK: 100
118-79-6	2,4,6-Tribromophenol	62.4			10 - 116	42%	SPK: 150
1718-51-0	Terphenyl-d14	39.9			10 - 109	40%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	54900
1146-65-2	Naphthalene-d8	212000
15067-26-2	Acenaphthene-d10	116000
1517-22-2	Phenanthrene-d10	179000
1719-03-5	Chrysene-d12	134000
1520-96-3	Perylene-d12	179000

TENTATIVE IDENTIFIED COMPOUNDS

000119-61-9	Benzophenone	180	J	10.6	ug/Kg
000638-53-9	Tridecanoic acid	200	J	11.9	ug/Kg



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Report of Analysis

Client:	Remington & Vernick	Date Collected:	11/24/25
Project:	Saddler Property	Date Received:	11/25/25
Client Sample ID:	SB-1125-11B	SDG No.:	Q3719
Lab Sample ID:	Q3719-04	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	89.2
	Level: LOW	Test:	SVOC-TCL BNA -20
Sample Wt/Vol:	30.07 g		
	Final Vol: 1000 uL		
Prep Method :	SW3541		
	Prep Date: 11/25/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
959092-08-1	Pentafluoropropionic acid, pentade	120	J			13.9	ug/Kg		
000192-97-2	Benzo[e]pyrene	91.0	J			15.4	ug/Kg		

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products



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Report of Analysis

Client:	Remington & Vernick		Date Collected:	11/24/25
Project:	Saddler Property		Date Received:	11/25/25
Client Sample ID:	SB-1125-12A		SDG No.:	Q3719
Lab Sample ID:	Q3719-05		Matrix:	SOIL
Analytical Method:	8270E	Level: LOW	% Solid:	67.8
Sample Wt/Vol:	30.01 g	Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Prep Date: 11/25/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	230	U	1	230	490	ug/Kg	11/26/25 18:12	PB170735
108-95-2	Phenol	32.6	U	1	32.6	250	ug/Kg	11/26/25 18:12	PB170735
111-44-4	bis(2-Chloroethyl)ether	35.8	U	1	35.8	250	ug/Kg	11/26/25 18:12	PB170735
95-57-8	2-Chlorophenol	36.0	U	1	36.0	250	ug/Kg	11/26/25 18:12	PB170735
95-48-7	2-Methylphenol	44.1	U	1	44.1	250	ug/Kg	11/26/25 18:12	PB170735
108-60-1	2,2-oxybis(1-Chloropropane)	55.3	U	1	55.3	250	ug/Kg	11/26/25 18:12	PB170735
98-86-2	Acetophenone	43.5	U	1	43.5	250	ug/Kg	11/26/25 18:12	PB170735
65794-96-9	3+4-Methylphenols	60.6	U	1	60.6	490	ug/Kg	11/26/25 18:12	PB170735
621-64-7	n-Nitroso-di-n-propylamine	69.9	U	1	69.9	120	ug/Kg	11/26/25 18:12	PB170735
67-72-1	Hexachloroethane	26.0	U	1	26.0	250	ug/Kg	11/26/25 18:12	PB170735
98-95-3	Nitrobenzene	27.0	U	1	27.0	250	ug/Kg	11/26/25 18:12	PB170735
78-59-1	Isophorone	48.4	U	1	48.4	250	ug/Kg	11/26/25 18:12	PB170735
88-75-5	2-Nitrophenol	85.8	U	1	85.8	250	ug/Kg	11/26/25 18:12	PB170735
105-67-9	2,4-Dimethylphenol	95.5	U	1	95.5	250	ug/Kg	11/26/25 18:12	PB170735
111-91-1	bis(2-Chloroethoxy)methane	45.4	U	1	45.4	250	ug/Kg	11/26/25 18:12	PB170735
120-83-2	2,4-Dichlorophenol	41.7	U	1	41.7	250	ug/Kg	11/26/25 18:12	PB170735
91-20-3	Naphthalene	33.5	U	1	33.5	250	ug/Kg	11/26/25 18:12	PB170735
106-47-8	4-Chloroaniline	52.2	U	1	52.2	250	ug/Kg	11/26/25 18:12	PB170735
87-68-3	Hexachlorobutadiene	37.3	U	1	37.3	250	ug/Kg	11/26/25 18:12	PB170735
105-60-2	Caprolactam	76.8	U	1	76.8	490	ug/Kg	11/26/25 18:12	PB170735
59-50-7	4-Chloro-3-methylphenol	42.3	U	1	42.3	250	ug/Kg	11/26/25 18:12	PB170735
91-57-6	2-Methylnaphthalene	37.7	U	1	37.7	250	ug/Kg	11/26/25 18:12	PB170735
77-47-4	Hexachlorocyclopentadiene	170	U	1	170	490	ug/Kg	11/26/25 18:12	PB170735
88-06-2	2,4,6-Trichlorophenol	29.2	U	1	29.2	250	ug/Kg	11/26/25 18:12	PB170735
95-95-4	2,4,5-Trichlorophenol	42.9	U	1	42.9	250	ug/Kg	11/26/25 18:12	PB170735
92-52-4	1,1-Biphenyl	32.1	U	1	32.1	250	ug/Kg	11/26/25 18:12	PB170735
91-58-7	2-Chloronaphthalene	33.2	U	1	33.2	250	ug/Kg	11/26/25 18:12	PB170735
88-74-4	2-Nitroaniline	70.9	U	1	70.9	250	ug/Kg	11/26/25 18:12	PB170735
131-11-3	Dimethylphthalate	40.0	U	1	40.0	250	ug/Kg	11/26/25 18:12	PB170735
208-96-8	Acenaphthylene	42.6	U	1	42.6	250	ug/Kg	11/26/25 18:12	PB170735
606-20-2	2,6-Dinitrotoluene	49.5	U	1	49.5	250	ug/Kg	11/26/25 18:12	PB170735
99-09-2	3-Nitroaniline	67.8	U	1	67.8	250	ug/Kg	11/26/25 18:12	PB170735
83-32-9	Acenaphthene	31.4	U	1	31.4	250	ug/Kg	11/26/25 18:12	PB170735
51-28-5	2,4-Dinitrophenol	340	U	1	340	490	ug/Kg	11/26/25 18:12	PB170735
100-02-7	4-Nitrophenol	160	U	1	160	490	ug/Kg	11/26/25 18:12	PB170735
132-64-9	Dibenzofuran	33.5	U	1	33.5	250	ug/Kg	11/26/25 18:12	PB170735
121-14-2	2,4-Dinitrotoluene	73.9	U	1	73.9	250	ug/Kg	11/26/25 18:12	PB170735
84-66-2	Diethylphthalate	150	J	1	41.7	250	ug/Kg	11/26/25 18:12	PB170735
7005-72-3	4-Chlorophenyl-phenylether	39.4	U	1	39.4	250	ug/Kg	11/26/25 18:12	PB170735
86-73-7	Fluorene	37.3	U	1	37.3	250	ug/Kg	11/26/25 18:12	PB170735
100-01-6	4-Nitroaniline	94.7	U	1	94.7	250	ug/Kg	11/26/25 18:12	PB170735
534-52-1	4,6-Dinitro-2-methylphenol	150	U	1	150	490	ug/Kg	11/26/25 18:12	PB170735



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Report of Analysis

Client:	Remington & Vernick		Date Collected:	11/24/25
Project:	Saddler Property		Date Received:	11/25/25
Client Sample ID:	SB-1125-12A		SDG No.:	Q3719
Lab Sample ID:	Q3719-05		Matrix:	SOIL
Analytical Method:	8270E	Level: LOW	% Solid:	67.8
Sample Wt/Vol:	30.01 g	Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Prep Date: 11/25/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	48.5	U	1	48.5	250	ug/Kg	11/26/25 18:12	PB170735
101-55-3	4-Bromophenyl-phenylether	41.0	U	1	41.0	250	ug/Kg	11/26/25 18:12	PB170735
118-74-1	Hexachlorobenzene	37.3	U	1	37.3	250	ug/Kg	11/26/25 18:12	PB170735
1912-24-9	Atrazine	50.1	U	1	50.1	250	ug/Kg	11/26/25 18:12	PB170735
87-86-5	Pentachlorophenol	75.6	U	1	75.6	490	ug/Kg	11/26/25 18:12	PB170735
85-01-8	Phenanthrene	30.8	U	1	30.8	250	ug/Kg	11/26/25 18:12	PB170735
120-12-7	Anthracene	49.1	U	1	49.1	250	ug/Kg	11/26/25 18:12	PB170735
86-74-8	Carbazole	46.0	U	1	46.0	250	ug/Kg	11/26/25 18:12	PB170735
84-74-2	Di-n-butylphthalate	70.6	U	1	70.6	250	ug/Kg	11/26/25 18:12	PB170735
206-44-0	Fluoranthene	130	J	1	44.2	250	ug/Kg	11/26/25 18:12	PB170735
129-00-0	Pyrene	100	J	1	53.1	250	ug/Kg	11/26/25 18:12	PB170735
85-68-7	Butylbenzylphthalate	110	U	1	110	250	ug/Kg	11/26/25 18:12	PB170735
91-94-1	3,3-Dichlorobenzidine	54.1	U	1	54.1	490	ug/Kg	11/26/25 18:12	PB170735
56-55-3	Benzo(a)anthracene	33.9	U	1	33.9	250	ug/Kg	11/26/25 18:12	PB170735
218-01-9	Chrysene	29.3	U	1	29.3	250	ug/Kg	11/26/25 18:12	PB170735
117-81-7	Bis(2-ethylhexyl)phthalate	87.3	U	1	87.3	250	ug/Kg	11/26/25 18:12	PB170735
117-84-0	Di-n-octyl phthalate	130	U	1	130	490	ug/Kg	11/26/25 18:12	PB170735
205-99-2	Benzo(b)fluoranthene	120	J	1	28.0	250	ug/Kg	11/26/25 18:12	PB170735
207-08-9	Benzo(k)fluoranthene	33.0	U	1	33.0	250	ug/Kg	11/26/25 18:12	PB170735
50-32-8	Benzo(a)pyrene	43.5	U	1	43.5	250	ug/Kg	11/26/25 18:12	PB170735
193-39-5	Indeno(1,2,3-cd)pyrene	42.9	U	1	42.9	250	ug/Kg	11/26/25 18:12	PB170735
53-70-3	Dibenzo(a,h)anthracene	40.4	U	1	40.4	250	ug/Kg	11/26/25 18:12	PB170735
191-24-2	Benzo(g,h,i)perylene	37.9	U	1	37.9	250	ug/Kg	11/26/25 18:12	PB170735
95-94-3	1,2,4,5-Tetrachlorobenzene	37.7	U	1	37.7	250	ug/Kg	11/26/25 18:12	PB170735
123-91-1	1,4-Dioxane	66.6	U	1	66.6	250	ug/Kg	11/26/25 18:12	PB170735
58-90-2	2,3,4,6-Tetrachlorophenol	40.4	U	1	40.4	250	ug/Kg	11/26/25 18:12	PB170735

SURROGATES

367-12-4	2-Fluorophenol	74.9		10 - 105	50%	SPK: 150
13127-88-3	Phenol-d6	77.0		10 - 103	51%	SPK: 150
4165-60-0	Nitrobenzene-d5	55.6		10 - 108	56%	SPK: 100
321-60-8	2-Fluorobiphenyl	55.2		10 - 108	55%	SPK: 100
118-79-6	2,4,6-Tribromophenol	64.8		10 - 116	43%	SPK: 150
1718-51-0	Terphenyl-d14	38.6		10 - 109	39%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	55700
1146-65-2	Naphthalene-d8	205000
15067-26-2	Acenaphthene-d10	105000
1517-22-2	Phenanthrene-d10	152000
1719-03-5	Chrysene-d12	133000
1520-96-3	Perylene-d12	169000

TENTATIVE IDENTIFIED COMPOUNDS

000119-61-9	Benzophenone	220	J	10.6	ug/Kg
000057-10-3	n-Hexadecanoic acid	380	J	11.9	ug/Kg



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Report of Analysis

Client:	Remington & Vernick	Date Collected:	11/24/25
Project:	Saddler Property	Date Received:	11/25/25
Client Sample ID:	SB-1125-12A	SDG No.:	Q3719
Lab Sample ID:	Q3719-05	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	67.8
	Level: LOW	Test:	SVOC-TCL BNA -20
Sample Wt/Vol:	30.01 g		
	Final Vol: 1000 uL		
Prep Method :	SW3541		
	Prep Date: 11/25/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
959085-66-6	Heptadecyl heptafluorobutyrate	180	J			13.9	ug/Kg		
000629-92-5	Nonadecane	170	J			16.5	ug/Kg		

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products



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Report of Analysis

Client:	Remington & Vernick		Date Collected:	11/24/25
Project:	Saddler Property		Date Received:	11/25/25
Client Sample ID:	SB-1125-12B		SDG No.:	Q3719
Lab Sample ID:	Q3719-06		Matrix:	SOIL
Analytical Method:	8270E	Level: LOW	% Solid:	87.3
Sample Wt/Vol:	30.03 g	Final Vol:	1000 uL	Test:
Prep Method :	SW3541	Prep Date:	11/25/25	

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	180	U	1	180	380	ug/Kg	11/26/25 18:42	PB170735
108-95-2	Phenol	25.3	U	1	25.3	190	ug/Kg	11/26/25 18:42	PB170735
111-44-4	bis(2-Chloroethyl)ether	27.8	U	1	27.8	190	ug/Kg	11/26/25 18:42	PB170735
95-57-8	2-Chlorophenol	27.9	U	1	27.9	190	ug/Kg	11/26/25 18:42	PB170735
95-48-7	2-Methylphenol	34.2	U	1	34.2	190	ug/Kg	11/26/25 18:42	PB170735
108-60-1	2,2-oxybis(1-Chloropropane)	42.9	U	1	42.9	190	ug/Kg	11/26/25 18:42	PB170735
98-86-2	Acetophenone	33.8	U	1	33.8	190	ug/Kg	11/26/25 18:42	PB170735
65794-96-9	3+4-Methylphenols	47.0	U	1	47.0	380	ug/Kg	11/26/25 18:42	PB170735
621-64-7	n-Nitroso-di-n-propylamine	54.2	U	1	54.2	91.5	ug/Kg	11/26/25 18:42	PB170735
67-72-1	Hexachloroethane	20.1	U	1	20.1	190	ug/Kg	11/26/25 18:42	PB170735
98-95-3	Nitrobenzene	20.9	U	1	20.9	190	ug/Kg	11/26/25 18:42	PB170735
78-59-1	Isophorone	37.5	U	1	37.5	190	ug/Kg	11/26/25 18:42	PB170735
88-75-5	2-Nitrophenol	66.6	U	1	66.6	190	ug/Kg	11/26/25 18:42	PB170735
105-67-9	2,4-Dimethylphenol	74.2	U	1	74.2	190	ug/Kg	11/26/25 18:42	PB170735
111-91-1	bis(2-Chloroethoxy)methane	35.2	U	1	35.2	190	ug/Kg	11/26/25 18:42	PB170735
120-83-2	2,4-Dichlorophenol	32.4	U	1	32.4	190	ug/Kg	11/26/25 18:42	PB170735
91-20-3	Naphthalene	96.5	J	1	26.0	190	ug/Kg	11/26/25 18:42	PB170735
106-47-8	4-Chloroaniline	40.5	U	1	40.5	190	ug/Kg	11/26/25 18:42	PB170735
87-68-3	Hexachlorobutadiene	29.0	U	1	29.0	190	ug/Kg	11/26/25 18:42	PB170735
105-60-2	Caprolactam	59.6	U	1	59.6	380	ug/Kg	11/26/25 18:42	PB170735
59-50-7	4-Chloro-3-methylphenol	32.8	U	1	32.8	190	ug/Kg	11/26/25 18:42	PB170735
91-57-6	2-Methylnaphthalene	29.3	U	1	29.3	190	ug/Kg	11/26/25 18:42	PB170735
77-47-4	Hexachlorocyclopentadiene	130	U	1	130	380	ug/Kg	11/26/25 18:42	PB170735
88-06-2	2,4,6-Trichlorophenol	22.7	U	1	22.7	190	ug/Kg	11/26/25 18:42	PB170735
95-95-4	2,4,5-Trichlorophenol	33.3	U	1	33.3	190	ug/Kg	11/26/25 18:42	PB170735
92-52-4	1,1-Biphenyl	24.9	U	1	24.9	190	ug/Kg	11/26/25 18:42	PB170735
91-58-7	2-Chloronaphthalene	25.7	U	1	25.7	190	ug/Kg	11/26/25 18:42	PB170735
88-74-4	2-Nitroaniline	55.0	U	1	55.0	190	ug/Kg	11/26/25 18:42	PB170735
131-11-3	Dimethylphthalate	31.0	U	1	31.0	190	ug/Kg	11/26/25 18:42	PB170735
208-96-8	Acenaphthylene	33.1	U	1	33.1	190	ug/Kg	11/26/25 18:42	PB170735
606-20-2	2,6-Dinitrotoluene	38.4	U	1	38.4	190	ug/Kg	11/26/25 18:42	PB170735
99-09-2	3-Nitroaniline	52.6	U	1	52.6	190	ug/Kg	11/26/25 18:42	PB170735
83-32-9	Acenaphthene	24.4	U	1	24.4	190	ug/Kg	11/26/25 18:42	PB170735
51-28-5	2,4-Dinitrophenol	260	U	1	260	380	ug/Kg	11/26/25 18:42	PB170735
100-02-7	4-Nitrophenol	120	U	1	120	380	ug/Kg	11/26/25 18:42	PB170735
132-64-9	Dibenzofuran	26.0	U	1	26.0	190	ug/Kg	11/26/25 18:42	PB170735
121-14-2	2,4-Dinitrotoluene	57.3	U	1	57.3	190	ug/Kg	11/26/25 18:42	PB170735
84-66-2	Diethylphthalate	32.4	U	1	32.4	190	ug/Kg	11/26/25 18:42	PB170735
7005-72-3	4-Chlorophenyl-phenylether	30.6	U	1	30.6	190	ug/Kg	11/26/25 18:42	PB170735
86-73-7	Fluorene	29.0	U	1	29.0	190	ug/Kg	11/26/25 18:42	PB170735
100-01-6	4-Nitroaniline	73.5	U	1	73.5	190	ug/Kg	11/26/25 18:42	PB170735
534-52-1	4,6-Dinitro-2-methylphenol	120	U	1	120	380	ug/Kg	11/26/25 18:42	PB170735



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Report of Analysis

Client:	Remington & Vernick		Date Collected:	11/24/25
Project:	Saddler Property		Date Received:	11/25/25
Client Sample ID:	SB-1125-12B		SDG No.:	Q3719
Lab Sample ID:	Q3719-06		Matrix:	SOIL
Analytical Method:	8270E	Level: LOW	% Solid:	87.3
Sample Wt/Vol:	30.03 g	Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Prep Date: 11/25/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	37.6	U	1	37.6	190	ug/Kg	11/26/25 18:42	PB170735
101-55-3	4-Bromophenyl-phenylether	31.8	U	1	31.8	190	ug/Kg	11/26/25 18:42	PB170735
118-74-1	Hexachlorobenzene	29.0	U	1	29.0	190	ug/Kg	11/26/25 18:42	PB170735
1912-24-9	Atrazine	38.9	U	1	38.9	190	ug/Kg	11/26/25 18:42	PB170735
87-86-5	Pentachlorophenol	58.7	U	1	58.7	380	ug/Kg	11/26/25 18:42	PB170735
85-01-8	Phenanthrene	160	J	1	23.9	190	ug/Kg	11/26/25 18:42	PB170735
120-12-7	Anthracene	38.1	U	1	38.1	190	ug/Kg	11/26/25 18:42	PB170735
86-74-8	Carbazole	35.7	U	1	35.7	190	ug/Kg	11/26/25 18:42	PB170735
84-74-2	Di-n-butylphthalate	54.8	U	1	54.8	190	ug/Kg	11/26/25 18:42	PB170735
206-44-0	Fluoranthene	260		1	34.3	190	ug/Kg	11/26/25 18:42	PB170735
129-00-0	Pyrene	170	J	1	41.2	190	ug/Kg	11/26/25 18:42	PB170735
85-68-7	Butylbenzylphthalate	81.7	U	1	81.7	190	ug/Kg	11/26/25 18:42	PB170735
91-94-1	3,3-Dichlorobenzidine	42.0	U	1	42.0	380	ug/Kg	11/26/25 18:42	PB170735
56-55-3	Benzo(a)anthracene	150	J	1	26.3	190	ug/Kg	11/26/25 18:42	PB170735
218-01-9	Chrysene	120	J	1	22.8	190	ug/Kg	11/26/25 18:42	PB170735
117-81-7	Bis(2-ethylhexyl)phthalate	67.7	U	1	67.7	190	ug/Kg	11/26/25 18:42	PB170735
117-84-0	Di-n-octyl phthalate	99.3	U	1	99.3	380	ug/Kg	11/26/25 18:42	PB170735
205-99-2	Benzo(b)fluoranthene	160	J	1	21.7	190	ug/Kg	11/26/25 18:42	PB170735
207-08-9	Benzo(k)fluoranthene	25.6	U	1	25.6	190	ug/Kg	11/26/25 18:42	PB170735
50-32-8	Benzo(a)pyrene	120	J	1	33.8	190	ug/Kg	11/26/25 18:42	PB170735
193-39-5	Indeno(1,2,3-cd)pyrene	33.3	U	1	33.3	190	ug/Kg	11/26/25 18:42	PB170735
53-70-3	Dibenzo(a,h)anthracene	31.4	U	1	31.4	190	ug/Kg	11/26/25 18:42	PB170735
191-24-2	Benzo(g,h,i)perylene	29.4	U	1	29.4	190	ug/Kg	11/26/25 18:42	PB170735
95-94-3	1,2,4,5-Tetrachlorobenzene	29.3	U	1	29.3	190	ug/Kg	11/26/25 18:42	PB170735
123-91-1	1,4-Dioxane	51.7	U	1	51.7	190	ug/Kg	11/26/25 18:42	PB170735
58-90-2	2,3,4,6-Tetrachlorophenol	31.4	U	1	31.4	190	ug/Kg	11/26/25 18:42	PB170735

SURROGATES

367-12-4	2-Fluorophenol	79.1		10 - 105	53%	SPK: 150
13127-88-3	Phenol-d6	80.6		10 - 103	54%	SPK: 150
4165-60-0	Nitrobenzene-d5	57.7		10 - 108	58%	SPK: 100
321-60-8	2-Fluorobiphenyl	53.6		10 - 108	54%	SPK: 100
118-79-6	2,4,6-Tribromophenol	62.0		10 - 116	41%	SPK: 150
1718-51-0	Terphenyl-d14	33.2		10 - 109	33%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	51700
1146-65-2	Naphthalene-d8	197000
15067-26-2	Acenaphthene-d10	102000
1517-22-2	Phenanthrene-d10	153000
1719-03-5	Chrysene-d12	134000
1520-96-3	Perylene-d12	160000

TENTATIVE IDENTIFIED COMPOUNDS

000119-61-9	Benzophenone	230	J	10.6	ug/Kg
000057-10-3	n-Hexadecanoic acid	530	J	11.9	ug/Kg



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Report of Analysis

Client:	Remington & Vernick	Date Collected:	11/24/25
Project:	Saddler Property	Date Received:	11/25/25
Client Sample ID:	SB-1125-12B	SDG No.:	Q3719
Lab Sample ID:	Q3719-06	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	87.3
	Level: LOW	Test:	SVOC-TCL BNA -20
Sample Wt/Vol:	30.03 g		
	Final Vol: 1000 uL		
Prep Method :	SW3541		
	Prep Date: 11/25/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
000057-11-4	Octadecanoic acid	150	J			12.7	ug/Kg		
025276-70-4	1-Pentadecanethiol	180	J			13.9	ug/Kg		
000629-78-7	Heptadecane	89.6	J			16.0	ug/Kg		

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products



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Report of Analysis

Client:	Remington & Vernick		Date Collected:	11/24/25
Project:	Saddler Property		Date Received:	11/25/25
Client Sample ID:	SB-1125-14A		SDG No.:	Q3719
Lab Sample ID:	Q3719-07		Matrix:	SOIL
Analytical Method:	8270E	Level: LOW	% Solid:	83.4
Sample Wt/Vol:	30.06 g	Final Vol:	1000 uL	Test:
Prep Method :	SW3541	Prep Date:	11/25/25	

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	190	U	1	190	390	ug/Kg	11/26/25 19:13	PB170735
108-95-2	Phenol	26.4	U	1	26.4	200	ug/Kg	11/26/25 19:13	PB170735
111-44-4	bis(2-Chloroethyl)ether	29.1	U	1	29.1	200	ug/Kg	11/26/25 19:13	PB170735
95-57-8	2-Chlorophenol	29.2	U	1	29.2	200	ug/Kg	11/26/25 19:13	PB170735
95-48-7	2-Methylphenol	35.8	U	1	35.8	200	ug/Kg	11/26/25 19:13	PB170735
108-60-1	2,2-oxybis(1-Chloropropane)	44.9	U	1	44.9	200	ug/Kg	11/26/25 19:13	PB170735
98-86-2	Acetophenone	35.3	U	1	35.3	200	ug/Kg	11/26/25 19:13	PB170735
65794-96-9	3+4-Methylphenols	49.2	U	1	49.2	390	ug/Kg	11/26/25 19:13	PB170735
621-64-7	n-Nitroso-di-n-propylamine	56.7	U	1	56.7	95.7	ug/Kg	11/26/25 19:13	PB170735
67-72-1	Hexachloroethane	21.1	U	1	21.1	200	ug/Kg	11/26/25 19:13	PB170735
98-95-3	Nitrobenzene	21.9	U	1	21.9	200	ug/Kg	11/26/25 19:13	PB170735
78-59-1	Isophorone	39.3	U	1	39.3	200	ug/Kg	11/26/25 19:13	PB170735
88-75-5	2-Nitrophenol	69.6	U	1	69.6	200	ug/Kg	11/26/25 19:13	PB170735
105-67-9	2,4-Dimethylphenol	77.5	U	1	77.5	200	ug/Kg	11/26/25 19:13	PB170735
111-91-1	bis(2-Chloroethoxy)methane	36.9	U	1	36.9	200	ug/Kg	11/26/25 19:13	PB170735
120-83-2	2,4-Dichlorophenol	33.9	U	1	33.9	200	ug/Kg	11/26/25 19:13	PB170735
91-20-3	Naphthalene	89.7	J	1	27.2	200	ug/Kg	11/26/25 19:13	PB170735
106-47-8	4-Chloroaniline	42.4	U	1	42.4	200	ug/Kg	11/26/25 19:13	PB170735
87-68-3	Hexachlorobutadiene	30.3	U	1	30.3	200	ug/Kg	11/26/25 19:13	PB170735
105-60-2	Caprolactam	62.3	U	1	62.3	390	ug/Kg	11/26/25 19:13	PB170735
59-50-7	4-Chloro-3-methylphenol	34.3	U	1	34.3	200	ug/Kg	11/26/25 19:13	PB170735
91-57-6	2-Methylnaphthalene	30.6	U	1	30.6	200	ug/Kg	11/26/25 19:13	PB170735
77-47-4	Hexachlorocyclopentadiene	140	U	1	140	390	ug/Kg	11/26/25 19:13	PB170735
88-06-2	2,4,6-Trichlorophenol	23.7	U	1	23.7	200	ug/Kg	11/26/25 19:13	PB170735
95-95-4	2,4,5-Trichlorophenol	34.8	U	1	34.8	200	ug/Kg	11/26/25 19:13	PB170735
92-52-4	1,1-Biphenyl	26.1	U	1	26.1	200	ug/Kg	11/26/25 19:13	PB170735
91-58-7	2-Chloronaphthalene	26.9	U	1	26.9	200	ug/Kg	11/26/25 19:13	PB170735
88-74-4	2-Nitroaniline	57.6	U	1	57.6	200	ug/Kg	11/26/25 19:13	PB170735
131-11-3	Dimethylphthalate	32.4	U	1	32.4	200	ug/Kg	11/26/25 19:13	PB170735
208-96-8	Acenaphthylene	34.6	U	1	34.6	200	ug/Kg	11/26/25 19:13	PB170735
606-20-2	2,6-Dinitrotoluene	40.2	U	1	40.2	200	ug/Kg	11/26/25 19:13	PB170735
99-09-2	3-Nitroaniline	55.0	U	1	55.0	200	ug/Kg	11/26/25 19:13	PB170735
83-32-9	Acenaphthene	25.5	U	1	25.5	200	ug/Kg	11/26/25 19:13	PB170735
51-28-5	2,4-Dinitrophenol	270	U	1	270	390	ug/Kg	11/26/25 19:13	PB170735
100-02-7	4-Nitrophenol	130	U	1	130	390	ug/Kg	11/26/25 19:13	PB170735
132-64-9	Dibenzofuran	27.2	U	1	27.2	200	ug/Kg	11/26/25 19:13	PB170735
121-14-2	2,4-Dinitrotoluene	60.0	U	1	60.0	200	ug/Kg	11/26/25 19:13	PB170735
84-66-2	Diethylphthalate	33.9	U	1	33.9	200	ug/Kg	11/26/25 19:13	PB170735
7005-72-3	4-Chlorophenyl-phenylether	32.0	U	1	32.0	200	ug/Kg	11/26/25 19:13	PB170735
86-73-7	Fluorene	30.3	U	1	30.3	200	ug/Kg	11/26/25 19:13	PB170735
100-01-6	4-Nitroaniline	76.8	U	1	76.8	200	ug/Kg	11/26/25 19:13	PB170735
534-52-1	4,6-Dinitro-2-methylphenol	120	U	1	120	390	ug/Kg	11/26/25 19:13	PB170735



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Report of Analysis

Client:	Remington & Vernick		Date Collected:	11/24/25
Project:	Saddler Property		Date Received:	11/25/25
Client Sample ID:	SB-1125-14A		SDG No.:	Q3719
Lab Sample ID:	Q3719-07		Matrix:	SOIL
Analytical Method:	8270E	Level: LOW	% Solid:	83.4
Sample Wt/Vol:	30.06 g	Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Prep Date: 11/25/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	39.4	U	1	39.4	200	ug/Kg	11/26/25 19:13	PB170735
101-55-3	4-Bromophenyl-phenylether	33.3	U	1	33.3	200	ug/Kg	11/26/25 19:13	PB170735
118-74-1	Hexachlorobenzene	30.3	U	1	30.3	200	ug/Kg	11/26/25 19:13	PB170735
1912-24-9	Atrazine	40.7	U	1	40.7	200	ug/Kg	11/26/25 19:13	PB170735
87-86-5	Pentachlorophenol	61.4	U	1	61.4	390	ug/Kg	11/26/25 19:13	PB170735
85-01-8	Phenanthrene	430		1	25.0	200	ug/Kg	11/26/25 19:13	PB170735
120-12-7	Anthracene	98.1	J	1	39.8	200	ug/Kg	11/26/25 19:13	PB170735
86-74-8	Carbazole	37.3	U	1	37.3	200	ug/Kg	11/26/25 19:13	PB170735
84-74-2	Di-n-butylphthalate	57.3	U	1	57.3	200	ug/Kg	11/26/25 19:13	PB170735
206-44-0	Fluoranthene	770		1	35.9	200	ug/Kg	11/26/25 19:13	PB170735
129-00-0	Pyrene	500		1	43.1	200	ug/Kg	11/26/25 19:13	PB170735
85-68-7	Butylbenzylphthalate	85.4	U	1	85.4	200	ug/Kg	11/26/25 19:13	PB170735
91-94-1	3,3-Dichlorobenzidine	43.9	U	1	43.9	390	ug/Kg	11/26/25 19:13	PB170735
56-55-3	Benzo(a)anthracene	490		1	27.5	200	ug/Kg	11/26/25 19:13	PB170735
218-01-9	Chrysene	400		1	23.8	200	ug/Kg	11/26/25 19:13	PB170735
117-81-7	Bis(2-ethylhexyl)phthalate	70.8	U	1	70.8	200	ug/Kg	11/26/25 19:13	PB170735
117-84-0	Di-n-octyl phthalate	100	U	1	100	390	ug/Kg	11/26/25 19:13	PB170735
205-99-2	Benzo(b)fluoranthene	540		1	22.7	200	ug/Kg	11/26/25 19:13	PB170735
207-08-9	Benzo(k)fluoranthene	250		1	26.8	200	ug/Kg	11/26/25 19:13	PB170735
50-32-8	Benzo(a)pyrene	450		1	35.3	200	ug/Kg	11/26/25 19:13	PB170735
193-39-5	Indeno(1,2,3-cd)pyrene	140	J	1	34.8	200	ug/Kg	11/26/25 19:13	PB170735
53-70-3	Dibenzo(a,h)anthracene	32.8	U	1	32.8	200	ug/Kg	11/26/25 19:13	PB170735
191-24-2	Benzo(g,h,i)perylene	160	J	1	30.8	200	ug/Kg	11/26/25 19:13	PB170735
95-94-3	1,2,4,5-Tetrachlorobenzene	30.6	U	1	30.6	200	ug/Kg	11/26/25 19:13	PB170735
123-91-1	1,4-Dioxane	54.1	U	1	54.1	200	ug/Kg	11/26/25 19:13	PB170735
58-90-2	2,3,4,6-Tetrachlorophenol	32.8	U	1	32.8	200	ug/Kg	11/26/25 19:13	PB170735

SURROGATES

367-12-4	2-Fluorophenol	87.5		10 - 105	58%	SPK: 150
13127-88-3	Phenol-d6	87.2		10 - 103	58%	SPK: 150
4165-60-0	Nitrobenzene-d5	61.7		10 - 108	62%	SPK: 100
321-60-8	2-Fluorobiphenyl	65.6		10 - 108	66%	SPK: 100
118-79-6	2,4,6-Tribromophenol	73.0		10 - 116	49%	SPK: 150
1718-51-0	Terphenyl-d14	45.1		10 - 109	45%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	52800
1146-65-2	Naphthalene-d8	194000
15067-26-2	Acenaphthene-d10	98100
1517-22-2	Phenanthrene-d10	145000
1719-03-5	Chrysene-d12	135000
1520-96-3	Perylene-d12	162000

TENTATIVE IDENTIFIED COMPOUNDS

000119-61-9	Benzophenone	240	J	10.6	ug/Kg
000057-10-3	n-Hexadecanoic acid	660	J	11.9	ug/Kg



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Report of Analysis

Client:	Remington & Vernick	Date Collected:	11/24/25
Project:	Saddler Property	Date Received:	11/25/25
Client Sample ID:	SB-1125-14A	SDG No.:	Q3719
Lab Sample ID:	Q3719-07	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	83.4
	Level: LOW	Test:	SVOC-TCL BNA -20
Sample Wt/Vol:	30.06 g		
	Final Vol: 1000 uL		
Prep Method :	SW3541		
	Prep Date: 11/25/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
000112-88-9	1-Octadecene	200	J			13.9	ug/Kg		
018835-33-1	1-Hexacosene	170	J			14.5	ug/Kg		
000192-97-2	Benzo[e]pyrene	350	J			15.2	ug/Kg		
007390-81-0	Oxirane, hexadecyl-	100	J			15.7	ug/Kg		
000630-02-4	Octacosane	790	J			16.0	ug/Kg		
003452-07-1	1-Eicosene	89.3	J			16.0	ug/Kg		
000593-45-3	Octadecane	170	J			16.5	ug/Kg		
000630-01-3	Hexacosane	230	J			17.1	ug/Kg		
1000387-62-6	4-Amino-5-(5-bromothiophen-2-yl)-2	180	J			17.2	ug/Kg		

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products



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Report of Analysis

Client:	Remington & Vernick		Date Collected:	11/24/25
Project:	Saddler Property		Date Received:	11/25/25
Client Sample ID:	SB-1125-14B		SDG No.:	Q3719
Lab Sample ID:	Q3719-08		Matrix:	SOIL
Analytical Method:	8270E	Level: LOW	% Solid:	88.3
Sample Wt/Vol:	30.08 g	Final Vol:	1000 uL	Test:
Prep Method :	SW3541	Prep Date:	11/25/25	

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	180	U	1	180	370	ug/Kg	11/26/25 19:43	PB170735
108-95-2	Phenol	25.0	U	1	25.0	190	ug/Kg	11/26/25 19:43	PB170735
111-44-4	bis(2-Chloroethyl)ether	27.4	U	1	27.4	190	ug/Kg	11/26/25 19:43	PB170735
95-57-8	2-Chlorophenol	27.6	U	1	27.6	190	ug/Kg	11/26/25 19:43	PB170735
95-48-7	2-Methylphenol	33.8	U	1	33.8	190	ug/Kg	11/26/25 19:43	PB170735
108-60-1	2,2-oxybis(1-Chloropropane)	42.4	U	1	42.4	190	ug/Kg	11/26/25 19:43	PB170735
98-86-2	Acetophenone	33.3	U	1	33.3	190	ug/Kg	11/26/25 19:43	PB170735
65794-96-9	3+4-Methylphenols	46.4	U	1	46.4	370	ug/Kg	11/26/25 19:43	PB170735
621-64-7	n-Nitroso-di-n-propylamine	53.5	U	1	53.5	90.4	ug/Kg	11/26/25 19:43	PB170735
67-72-1	Hexachloroethane	19.9	U	1	19.9	190	ug/Kg	11/26/25 19:43	PB170735
98-95-3	Nitrobenzene	20.7	U	1	20.7	190	ug/Kg	11/26/25 19:43	PB170735
78-59-1	Isophorone	37.0	U	1	37.0	190	ug/Kg	11/26/25 19:43	PB170735
88-75-5	2-Nitrophenol	65.7	U	1	65.7	190	ug/Kg	11/26/25 19:43	PB170735
105-67-9	2,4-Dimethylphenol	73.2	U	1	73.2	190	ug/Kg	11/26/25 19:43	PB170735
111-91-1	bis(2-Chloroethoxy)methane	34.8	U	1	34.8	190	ug/Kg	11/26/25 19:43	PB170735
120-83-2	2,4-Dichlorophenol	32.0	U	1	32.0	190	ug/Kg	11/26/25 19:43	PB170735
91-20-3	Naphthalene	25.6	U	1	25.6	190	ug/Kg	11/26/25 19:43	PB170735
106-47-8	4-Chloroaniline	40.0	U	1	40.0	190	ug/Kg	11/26/25 19:43	PB170735
87-68-3	Hexachlorobutadiene	28.6	U	1	28.6	190	ug/Kg	11/26/25 19:43	PB170735
105-60-2	Caprolactam	58.8	U	1	58.8	370	ug/Kg	11/26/25 19:43	PB170735
59-50-7	4-Chloro-3-methylphenol	32.4	U	1	32.4	190	ug/Kg	11/26/25 19:43	PB170735
91-57-6	2-Methylnaphthalene	28.9	U	1	28.9	190	ug/Kg	11/26/25 19:43	PB170735
77-47-4	Hexachlorocyclopentadiene	130	U	1	130	370	ug/Kg	11/26/25 19:43	PB170735
88-06-2	2,4,6-Trichlorophenol	22.4	U	1	22.4	190	ug/Kg	11/26/25 19:43	PB170735
95-95-4	2,4,5-Trichlorophenol	32.9	U	1	32.9	190	ug/Kg	11/26/25 19:43	PB170735
92-52-4	1,1-Biphenyl	24.6	U	1	24.6	190	ug/Kg	11/26/25 19:43	PB170735
91-58-7	2-Chloronaphthalene	25.4	U	1	25.4	190	ug/Kg	11/26/25 19:43	PB170735
88-74-4	2-Nitroaniline	54.3	U	1	54.3	190	ug/Kg	11/26/25 19:43	PB170735
131-11-3	Dimethylphthalate	30.6	U	1	30.6	190	ug/Kg	11/26/25 19:43	PB170735
208-96-8	Acenaphthylene	32.6	U	1	32.6	190	ug/Kg	11/26/25 19:43	PB170735
606-20-2	2,6-Dinitrotoluene	38.0	U	1	38.0	190	ug/Kg	11/26/25 19:43	PB170735
99-09-2	3-Nitroaniline	52.0	U	1	52.0	190	ug/Kg	11/26/25 19:43	PB170735
83-32-9	Acenaphthene	24.1	U	1	24.1	190	ug/Kg	11/26/25 19:43	PB170735
51-28-5	2,4-Dinitrophenol	260	U	1	260	370	ug/Kg	11/26/25 19:43	PB170735
100-02-7	4-Nitrophenol	120	U	1	120	370	ug/Kg	11/26/25 19:43	PB170735
132-64-9	Dibenzofuran	25.6	U	1	25.6	190	ug/Kg	11/26/25 19:43	PB170735
121-14-2	2,4-Dinitrotoluene	56.6	U	1	56.6	190	ug/Kg	11/26/25 19:43	PB170735
84-66-2	Diethylphthalate	32.0	U	1	32.0	190	ug/Kg	11/26/25 19:43	PB170735
7005-72-3	4-Chlorophenyl-phenylether	30.2	U	1	30.2	190	ug/Kg	11/26/25 19:43	PB170735
86-73-7	Fluorene	28.6	U	1	28.6	190	ug/Kg	11/26/25 19:43	PB170735
100-01-6	4-Nitroaniline	72.5	U	1	72.5	190	ug/Kg	11/26/25 19:43	PB170735
534-52-1	4,6-Dinitro-2-methylphenol	120	U	1	120	370	ug/Kg	11/26/25 19:43	PB170735



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Report of Analysis

Client:	Remington & Vernick		Date Collected:	11/24/25
Project:	Saddler Property		Date Received:	11/25/25
Client Sample ID:	SB-1125-14B		SDG No.:	Q3719
Lab Sample ID:	Q3719-08		Matrix:	SOIL
Analytical Method:	8270E	Level: LOW	% Solid:	88.3
Sample Wt/Vol:	30.08 g	Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Prep Date: 11/25/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	37.2	U	1	37.2	190	ug/Kg	11/26/25 19:43	PB170735
101-55-3	4-Bromophenyl-phenylether	31.4	U	1	31.4	190	ug/Kg	11/26/25 19:43	PB170735
118-74-1	Hexachlorobenzene	28.6	U	1	28.6	190	ug/Kg	11/26/25 19:43	PB170735
1912-24-9	Atrazine	38.4	U	1	38.4	190	ug/Kg	11/26/25 19:43	PB170735
87-86-5	Pentachlorophenol	57.9	U	1	57.9	370	ug/Kg	11/26/25 19:43	PB170735
85-01-8	Phenanthrene	180	J	1	23.6	190	ug/Kg	11/26/25 19:43	PB170735
120-12-7	Anthracene	37.6	U	1	37.6	190	ug/Kg	11/26/25 19:43	PB170735
86-74-8	Carbazole	35.2	U	1	35.2	190	ug/Kg	11/26/25 19:43	PB170735
84-74-2	Di-n-butylphthalate	54.1	U	1	54.1	190	ug/Kg	11/26/25 19:43	PB170735
206-44-0	Fluoranthene	420		1	33.9	190	ug/Kg	11/26/25 19:43	PB170735
129-00-0	Pyrene	280		1	40.7	190	ug/Kg	11/26/25 19:43	PB170735
85-68-7	Butylbenzylphthalate	80.6	U	1	80.6	190	ug/Kg	11/26/25 19:43	PB170735
91-94-1	3,3-Dichlorobenzidine	41.5	U	1	41.5	370	ug/Kg	11/26/25 19:43	PB170735
56-55-3	Benzo(a)anthracene	280		1	26.0	190	ug/Kg	11/26/25 19:43	PB170735
218-01-9	Chrysene	290		1	22.5	190	ug/Kg	11/26/25 19:43	PB170735
117-81-7	Bis(2-ethylhexyl)phthalate	66.9	U	1	66.9	190	ug/Kg	11/26/25 19:43	PB170735
117-84-0	Di-n-octyl phthalate	98.0	U	1	98.0	370	ug/Kg	11/26/25 19:43	PB170735
205-99-2	Benzo(b)fluoranthene	360		1	21.5	190	ug/Kg	11/26/25 19:43	PB170735
207-08-9	Benzo(k)fluoranthene	150	J	1	25.3	190	ug/Kg	11/26/25 19:43	PB170735
50-32-8	Benzo(a)pyrene	290		1	33.3	190	ug/Kg	11/26/25 19:43	PB170735
193-39-5	Indeno(1,2,3-cd)pyrene	93.9	J	1	32.9	190	ug/Kg	11/26/25 19:43	PB170735
53-70-3	Dibenzo(a,h)anthracene	30.9	U	1	30.9	190	ug/Kg	11/26/25 19:43	PB170735
191-24-2	Benzo(g,h,i)perylene	110	J	1	29.0	190	ug/Kg	11/26/25 19:43	PB170735
95-94-3	1,2,4,5-Tetrachlorobenzene	28.9	U	1	28.9	190	ug/Kg	11/26/25 19:43	PB170735
123-91-1	1,4-Dioxane	51.1	U	1	51.1	190	ug/Kg	11/26/25 19:43	PB170735
58-90-2	2,3,4,6-Tetrachlorophenol	30.9	U	1	30.9	190	ug/Kg	11/26/25 19:43	PB170735

SURROGATES

367-12-4	2-Fluorophenol	82.8			10 - 105	55%	SPK: 150
13127-88-3	Phenol-d6	83.9			10 - 103	56%	SPK: 150
4165-60-0	Nitrobenzene-d5	58.9			10 - 108	59%	SPK: 100
321-60-8	2-Fluorobiphenyl	63.6			10 - 108	64%	SPK: 100
118-79-6	2,4,6-Tribromophenol	70.7			10 - 116	47%	SPK: 150
1718-51-0	Terphenyl-d14	44.8			10 - 109	45%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	55500
1146-65-2	Naphthalene-d8	197000
15067-26-2	Acenaphthene-d10	102000
1517-22-2	Phenanthrene-d10	149000
1719-03-5	Chrysene-d12	136000
1520-96-3	Perylene-d12	168000

TENTATIVE IDENTIFIED COMPOUNDS

000119-61-9	Benzophenone	240	J	10.6	ug/Kg
000057-10-3	n-Hexadecanoic acid	420	J	11.9	ug/Kg



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Report of Analysis

Client:	Remington & Vernick	Date Collected:	11/24/25
Project:	Saddler Property	Date Received:	11/25/25
Client Sample ID:	SB-1125-14B	SDG No.:	Q3719
Lab Sample ID:	Q3719-08	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	88.3
	Level: LOW	Test:	SVOC-TCL BNA -20
Sample Wt/Vol:	30.08 g		
	Final Vol: 1000 uL		
Prep Method :	SW3541		
	Prep Date: 11/25/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
1000406-04-8	Pentadecafluorooctanoic acid, octa	180	J			13.9	ug/Kg		
000295-65-8	Cyclohexadecane	160	J			14.5	ug/Kg		
000192-97-2	Benzo[e]pyrene	270	J			15.2	ug/Kg		
000629-92-5	Nonadecane	440	J			16.0	ug/Kg		
000629-78-7	Heptadecane	130	J			17.1	ug/Kg		

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products



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Report of Analysis

Client:	Remington & Vernick		Date Collected:	11/24/25
Project:	Saddler Property		Date Received:	11/25/25
Client Sample ID:	SB-1125-15A		SDG No.:	Q3719
Lab Sample ID:	Q3719-09		Matrix:	SOIL
Analytical Method:	8270E	Level: LOW	% Solid:	87.3
Sample Wt/Vol:	30.04 g	Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Prep Date: 11/25/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	180	U	1	180	380	ug/Kg	11/26/25 20:13	PB170735
108-95-2	Phenol	25.3	U	1	25.3	190	ug/Kg	11/26/25 20:13	PB170735
111-44-4	bis(2-Chloroethyl)ether	27.8	U	1	27.8	190	ug/Kg	11/26/25 20:13	PB170735
95-57-8	2-Chlorophenol	27.9	U	1	27.9	190	ug/Kg	11/26/25 20:13	PB170735
95-48-7	2-Methylphenol	34.2	U	1	34.2	190	ug/Kg	11/26/25 20:13	PB170735
108-60-1	2,2-oxybis(1-Chloropropane)	42.9	U	1	42.9	190	ug/Kg	11/26/25 20:13	PB170735
98-86-2	Acetophenone	33.7	U	1	33.7	190	ug/Kg	11/26/25 20:13	PB170735
65794-96-9	3+4-Methylphenols	47.0	U	1	47.0	380	ug/Kg	11/26/25 20:13	PB170735
621-64-7	n-Nitroso-di-n-propylamine	54.2	U	1	54.2	91.5	ug/Kg	11/26/25 20:13	PB170735
67-72-1	Hexachloroethane	20.1	U	1	20.1	190	ug/Kg	11/26/25 20:13	PB170735
98-95-3	Nitrobenzene	20.9	U	1	20.9	190	ug/Kg	11/26/25 20:13	PB170735
78-59-1	Isophorone	37.5	U	1	37.5	190	ug/Kg	11/26/25 20:13	PB170735
88-75-5	2-Nitrophenol	66.6	U	1	66.6	190	ug/Kg	11/26/25 20:13	PB170735
105-67-9	2,4-Dimethylphenol	74.1	U	1	74.1	190	ug/Kg	11/26/25 20:13	PB170735
111-91-1	bis(2-Chloroethoxy)methane	35.2	U	1	35.2	190	ug/Kg	11/26/25 20:13	PB170735
120-83-2	2,4-Dichlorophenol	32.4	U	1	32.4	190	ug/Kg	11/26/25 20:13	PB170735
91-20-3	Naphthalene	26.0	U	1	26.0	190	ug/Kg	11/26/25 20:13	PB170735
106-47-8	4-Chloroaniline	40.5	U	1	40.5	190	ug/Kg	11/26/25 20:13	PB170735
87-68-3	Hexachlorobutadiene	28.9	U	1	28.9	190	ug/Kg	11/26/25 20:13	PB170735
105-60-2	Caprolactam	59.6	U	1	59.6	380	ug/Kg	11/26/25 20:13	PB170735
59-50-7	4-Chloro-3-methylphenol	32.8	U	1	32.8	190	ug/Kg	11/26/25 20:13	PB170735
91-57-6	2-Methylnaphthalene	29.3	U	1	29.3	190	ug/Kg	11/26/25 20:13	PB170735
77-47-4	Hexachlorocyclopentadiene	130	U	1	130	380	ug/Kg	11/26/25 20:13	PB170735
88-06-2	2,4,6-Trichlorophenol	22.7	U	1	22.7	190	ug/Kg	11/26/25 20:13	PB170735
95-95-4	2,4,5-Trichlorophenol	33.3	U	1	33.3	190	ug/Kg	11/26/25 20:13	PB170735
92-52-4	1,1-Biphenyl	24.9	U	1	24.9	190	ug/Kg	11/26/25 20:13	PB170735
91-58-7	2-Chloronaphthalene	25.7	U	1	25.7	190	ug/Kg	11/26/25 20:13	PB170735
88-74-4	2-Nitroaniline	55.0	U	1	55.0	190	ug/Kg	11/26/25 20:13	PB170735
131-11-3	Dimethylphthalate	31.0	U	1	31.0	190	ug/Kg	11/26/25 20:13	PB170735
208-96-8	Acenaphthylene	33.1	U	1	33.1	190	ug/Kg	11/26/25 20:13	PB170735
606-20-2	2,6-Dinitrotoluene	38.4	U	1	38.4	190	ug/Kg	11/26/25 20:13	PB170735
99-09-2	3-Nitroaniline	52.6	U	1	52.6	190	ug/Kg	11/26/25 20:13	PB170735
83-32-9	Acenaphthene	24.4	U	1	24.4	190	ug/Kg	11/26/25 20:13	PB170735
51-28-5	2,4-Dinitrophenol	260	U	1	260	380	ug/Kg	11/26/25 20:13	PB170735
100-02-7	4-Nitrophenol	120	U	1	120	380	ug/Kg	11/26/25 20:13	PB170735
132-64-9	Dibenzofuran	26.0	U	1	26.0	190	ug/Kg	11/26/25 20:13	PB170735
121-14-2	2,4-Dinitrotoluene	57.3	U	1	57.3	190	ug/Kg	11/26/25 20:13	PB170735
84-66-2	Diethylphthalate	32.4	U	1	32.4	190	ug/Kg	11/26/25 20:13	PB170735
7005-72-3	4-Chlorophenyl-phenylether	30.5	U	1	30.5	190	ug/Kg	11/26/25 20:13	PB170735
86-73-7	Fluorene	28.9	U	1	28.9	190	ug/Kg	11/26/25 20:13	PB170735
100-01-6	4-Nitroaniline	73.4	U	1	73.4	190	ug/Kg	11/26/25 20:13	PB170735
534-52-1	4,6-Dinitro-2-methylphenol	120	U	1	120	380	ug/Kg	11/26/25 20:13	PB170735



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Report of Analysis

Client:	Remington & Vernick		Date Collected:	11/24/25
Project:	Saddler Property		Date Received:	11/25/25
Client Sample ID:	SB-1125-15A		SDG No.:	Q3719
Lab Sample ID:	Q3719-09		Matrix:	SOIL
Analytical Method:	8270E	Level: LOW	% Solid:	87.3
Sample Wt/Vol:	30.04 g	Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Prep Date: 11/25/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	37.6	U	1	37.6	190	ug/Kg	11/26/25 20:13	PB170735
101-55-3	4-Bromophenyl-phenylether	31.8	U	1	31.8	190	ug/Kg	11/26/25 20:13	PB170735
118-74-1	Hexachlorobenzene	28.9	U	1	28.9	190	ug/Kg	11/26/25 20:13	PB170735
1912-24-9	Atrazine	38.9	U	1	38.9	190	ug/Kg	11/26/25 20:13	PB170735
87-86-5	Pentachlorophenol	58.7	U	1	58.7	380	ug/Kg	11/26/25 20:13	PB170735
85-01-8	Phenanthrene	180	J	1	23.9	190	ug/Kg	11/26/25 20:13	PB170735
120-12-7	Anthracene	38.1	U	1	38.1	190	ug/Kg	11/26/25 20:13	PB170735
86-74-8	Carbazole	35.7	U	1	35.7	190	ug/Kg	11/26/25 20:13	PB170735
84-74-2	Di-n-butylphthalate	54.8	U	1	54.8	190	ug/Kg	11/26/25 20:13	PB170735
206-44-0	Fluoranthene	270		1	34.3	190	ug/Kg	11/26/25 20:13	PB170735
129-00-0	Pyrene	170	J	1	41.2	190	ug/Kg	11/26/25 20:13	PB170735
85-68-7	Butylbenzylphthalate	81.7	U	1	81.7	190	ug/Kg	11/26/25 20:13	PB170735
91-94-1	3,3-Dichlorobenzidine	42.0	U	1	42.0	380	ug/Kg	11/26/25 20:13	PB170735
56-55-3	Benzo(a)anthracene	140	J	1	26.3	190	ug/Kg	11/26/25 20:13	PB170735
218-01-9	Chrysene	140	J	1	22.8	190	ug/Kg	11/26/25 20:13	PB170735
117-81-7	Bis(2-ethylhexyl)phthalate	82.9	J	1	67.7	190	ug/Kg	11/26/25 20:13	PB170735
117-84-0	Di-n-octyl phthalate	99.3	U	1	99.3	380	ug/Kg	11/26/25 20:13	PB170735
205-99-2	Benzo(b)fluoranthene	190		1	21.7	190	ug/Kg	11/26/25 20:13	PB170735
207-08-9	Benzo(k)fluoranthene	76.9	J	1	25.6	190	ug/Kg	11/26/25 20:13	PB170735
50-32-8	Benzo(a)pyrene	130	J	1	33.7	190	ug/Kg	11/26/25 20:13	PB170735
193-39-5	Indeno(1,2,3-cd)pyrene	33.3	U	1	33.3	190	ug/Kg	11/26/25 20:13	PB170735
53-70-3	Dibenzo(a,h)anthracene	31.3	U	1	31.3	190	ug/Kg	11/26/25 20:13	PB170735
191-24-2	Benzo(g,h,i)perylene	29.4	U	1	29.4	190	ug/Kg	11/26/25 20:13	PB170735
95-94-3	1,2,4,5-Tetrachlorobenzene	29.3	U	1	29.3	190	ug/Kg	11/26/25 20:13	PB170735
123-91-1	1,4-Dioxane	51.7	U	1	51.7	190	ug/Kg	11/26/25 20:13	PB170735
58-90-2	2,3,4,6-Tetrachlorophenol	31.3	U	1	31.3	190	ug/Kg	11/26/25 20:13	PB170735

SURROGATES

367-12-4	2-Fluorophenol	73.0		10 - 105	49%	SPK: 150
13127-88-3	Phenol-d6	73.2		10 - 103	49%	SPK: 150
4165-60-0	Nitrobenzene-d5	49.7		10 - 108	50%	SPK: 100
321-60-8	2-Fluorobiphenyl	48.6		10 - 108	49%	SPK: 100
118-79-6	2,4,6-Tribromophenol	57.9		10 - 116	39%	SPK: 150
1718-51-0	Terphenyl-d14	33.0		10 - 109	33%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	55800
1146-65-2	Naphthalene-d8	208000
15067-26-2	Acenaphthene-d10	106000
1517-22-2	Phenanthrene-d10	155000
1719-03-5	Chrysene-d12	142000
1520-96-3	Perylene-d12	168000

TENTATIVE IDENTIFIED COMPOUNDS

000119-61-9	Benzophenone	220	J	10.6	ug/Kg
000057-10-3	n-Hexadecanoic acid	360	J	11.9	ug/Kg



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Report of Analysis

Client:	Remington & Vernick	Date Collected:	11/24/25
Project:	Saddler Property	Date Received:	11/25/25
Client Sample ID:	SB-1125-15A	SDG No.:	Q3719
Lab Sample ID:	Q3719-09	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	87.3
	Level: LOW	Test:	SVOC-TCL BNA -20
Sample Wt/Vol:	30.04 g		
	Final Vol: 1000 uL		
Prep Method :	SW3541		
	Prep Date: 11/25/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
1000351-74-9	Octacosyl trifluoroacetate	160	J			13.9	ug/Kg		
000593-45-3	Octadecane	85.4	J			14.5	ug/Kg		
000192-97-2	Benzo[e]pyrene	85.8	J			15.4	ug/Kg		
025117-29-7	4-Methylheneicosane	100	J			16.0	ug/Kg		

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products



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Report of Analysis

Client:	Remington & Vernick		Date Collected:	11/24/25
Project:	Saddler Property		Date Received:	11/25/25
Client Sample ID:	SB-1125-15B		SDG No.:	Q3719
Lab Sample ID:	Q3719-10		Matrix:	SOIL
Analytical Method:	8270E	Level: LOW	% Solid:	89.4
Sample Wt/Vol:	30.09 g	Final Vol:	1000 uL	Test:
Prep Method :	SW3541	Prep Date:	11/25/25	

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	170	U	1	170	370	ug/Kg	12/01/25 19:21	PB170735
108-95-2	Phenol	24.6	U	1	24.6	190	ug/Kg	12/01/25 19:21	PB170735
111-44-4	bis(2-Chloroethyl)ether	27.1	U	1	27.1	190	ug/Kg	12/01/25 19:21	PB170735
95-57-8	2-Chlorophenol	27.2	U	1	27.2	190	ug/Kg	12/01/25 19:21	PB170735
95-48-7	2-Methylphenol	33.3	U	1	33.3	190	ug/Kg	12/01/25 19:21	PB170735
108-60-1	2,2-oxybis(1-Chloropropane)	41.8	U	1	41.8	190	ug/Kg	12/01/25 19:21	PB170735
98-86-2	Acetophenone	32.9	U	1	32.9	190	ug/Kg	12/01/25 19:21	PB170735
65794-96-9	3+4-Methylphenols	45.8	U	1	45.8	370	ug/Kg	12/01/25 19:21	PB170735
621-64-7	n-Nitroso-di-n-propylamine	52.9	U	1	52.9	89.2	ug/Kg	12/01/25 19:21	PB170735
67-72-1	Hexachloroethane	19.6	U	1	19.6	190	ug/Kg	12/01/25 19:21	PB170735
98-95-3	Nitrobenzene	20.4	U	1	20.4	190	ug/Kg	12/01/25 19:21	PB170735
78-59-1	Isophorone	36.6	U	1	36.6	190	ug/Kg	12/01/25 19:21	PB170735
88-75-5	2-Nitrophenol	64.9	U	1	64.9	190	ug/Kg	12/01/25 19:21	PB170735
105-67-9	2,4-Dimethylphenol	72.3	U	1	72.3	190	ug/Kg	12/01/25 19:21	PB170735
111-91-1	bis(2-Chloroethoxy)methane	34.3	U	1	34.3	190	ug/Kg	12/01/25 19:21	PB170735
120-83-2	2,4-Dichlorophenol	31.6	U	1	31.6	190	ug/Kg	12/01/25 19:21	PB170735
91-20-3	Naphthalene	25.3	U	1	25.3	190	ug/Kg	12/01/25 19:21	PB170735
106-47-8	4-Chloroaniline	39.5	U	1	39.5	190	ug/Kg	12/01/25 19:21	PB170735
87-68-3	Hexachlorobutadiene	28.2	U	1	28.2	190	ug/Kg	12/01/25 19:21	PB170735
105-60-2	Caprolactam	58.1	U	1	58.1	370	ug/Kg	12/01/25 19:21	PB170735
59-50-7	4-Chloro-3-methylphenol	32.0	U	1	32.0	190	ug/Kg	12/01/25 19:21	PB170735
91-57-6	2-Methylnaphthalene	28.5	U	1	28.5	190	ug/Kg	12/01/25 19:21	PB170735
77-47-4	Hexachlorocyclopentadiene	130	U	1	130	370	ug/Kg	12/01/25 19:21	PB170735
88-06-2	2,4,6-Trichlorophenol	22.1	U	1	22.1	190	ug/Kg	12/01/25 19:21	PB170735
95-95-4	2,4,5-Trichlorophenol	32.5	U	1	32.5	190	ug/Kg	12/01/25 19:21	PB170735
92-52-4	1,1-Biphenyl	24.3	U	1	24.3	190	ug/Kg	12/01/25 19:21	PB170735
91-58-7	2-Chloronaphthalene	25.1	U	1	25.1	190	ug/Kg	12/01/25 19:21	PB170735
88-74-4	2-Nitroaniline	53.6	U	1	53.6	190	ug/Kg	12/01/25 19:21	PB170735
131-11-3	Dimethylphthalate	30.2	U	1	30.2	190	ug/Kg	12/01/25 19:21	PB170735
208-96-8	Acenaphthylene	32.2	U	1	32.2	190	ug/Kg	12/01/25 19:21	PB170735
606-20-2	2,6-Dinitrotoluene	37.5	U	1	37.5	190	ug/Kg	12/01/25 19:21	PB170735
99-09-2	3-Nitroaniline	51.3	U	1	51.3	190	ug/Kg	12/01/25 19:21	PB170735
83-32-9	Acenaphthene	23.8	U	1	23.8	190	ug/Kg	12/01/25 19:21	PB170735
51-28-5	2,4-Dinitrophenol	260	U	1	260	370	ug/Kg	12/01/25 19:21	PB170735
100-02-7	4-Nitrophenol	120	U	1	120	370	ug/Kg	12/01/25 19:21	PB170735
132-64-9	Dibenzofuran	25.3	U	1	25.3	190	ug/Kg	12/01/25 19:21	PB170735
121-14-2	2,4-Dinitrotoluene	55.9	U	1	55.9	190	ug/Kg	12/01/25 19:21	PB170735
84-66-2	Diethylphthalate	140	J	1	31.6	190	ug/Kg	12/01/25 19:21	PB170735
7005-72-3	4-Chlorophenyl-phenylether	29.8	U	1	29.8	190	ug/Kg	12/01/25 19:21	PB170735
86-73-7	Fluorene	28.2	U	1	28.2	190	ug/Kg	12/01/25 19:21	PB170735
100-01-6	4-Nitroaniline	71.6	U	1	71.6	190	ug/Kg	12/01/25 19:21	PB170735
534-52-1	4,6-Dinitro-2-methylphenol	110	U	1	110	370	ug/Kg	12/01/25 19:21	PB170735



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Report of Analysis

Client:	Remington & Vernick		Date Collected:	11/24/25
Project:	Saddler Property		Date Received:	11/25/25
Client Sample ID:	SB-1125-15B		SDG No.:	Q3719
Lab Sample ID:	Q3719-10		Matrix:	SOIL
Analytical Method:	8270E	Level: LOW	% Solid:	89.4
Sample Wt/Vol:	30.09 g	Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Prep Date: 11/25/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	36.7	U	1	36.7	190	ug/Kg	12/01/25 19:21	PB170735
101-55-3	4-Bromophenyl-phenylether	31.0	U	1	31.0	190	ug/Kg	12/01/25 19:21	PB170735
118-74-1	Hexachlorobenzene	28.2	U	1	28.2	190	ug/Kg	12/01/25 19:21	PB170735
1912-24-9	Atrazine	37.9	U	1	37.9	190	ug/Kg	12/01/25 19:21	PB170735
87-86-5	Pentachlorophenol	57.2	U	1	57.2	370	ug/Kg	12/01/25 19:21	PB170735
85-01-8	Phenanthrene	23.3	U	1	23.3	190	ug/Kg	12/01/25 19:21	PB170735
120-12-7	Anthracene	37.1	U	1	37.1	190	ug/Kg	12/01/25 19:21	PB170735
86-74-8	Carbazole	34.8	U	1	34.8	190	ug/Kg	12/01/25 19:21	PB170735
84-74-2	Di-n-butylphthalate	53.4	U	1	53.4	190	ug/Kg	12/01/25 19:21	PB170735
206-44-0	Fluoranthene	97.3	J	1	33.5	190	ug/Kg	12/01/25 19:21	PB170735
129-00-0	Pyrene	74.7	J	1	40.1	190	ug/Kg	12/01/25 19:21	PB170735
85-68-7	Butylbenzylphthalate	79.6	U	1	79.6	190	ug/Kg	12/01/25 19:21	PB170735
91-94-1	3,3-Dichlorobenzidine	40.9	U	1	40.9	370	ug/Kg	12/01/25 19:21	PB170735
56-55-3	Benzo(a)anthracene	25.7	U	1	25.7	190	ug/Kg	12/01/25 19:21	PB170735
218-01-9	Chrysene	22.2	U	1	22.2	190	ug/Kg	12/01/25 19:21	PB170735
117-81-7	Bis(2-ethylhexyl)phthalate	66.0	U	1	66.0	190	ug/Kg	12/01/25 19:21	PB170735
117-84-0	Di-n-octyl phthalate	96.8	U	1	96.8	370	ug/Kg	12/01/25 19:21	PB170735
205-99-2	Benzo(b)fluoranthene	21.2	U	1	21.2	190	ug/Kg	12/01/25 19:21	PB170735
207-08-9	Benzo(k)fluoranthene	25.0	U	1	25.0	190	ug/Kg	12/01/25 19:21	PB170735
50-32-8	Benzo(a)pyrene	32.9	U	1	32.9	190	ug/Kg	12/01/25 19:21	PB170735
193-39-5	Indeno(1,2,3-cd)pyrene	32.5	U	1	32.5	190	ug/Kg	12/01/25 19:21	PB170735
53-70-3	Dibenzo(a,h)anthracene	30.6	U	1	30.6	190	ug/Kg	12/01/25 19:21	PB170735
191-24-2	Benzo(g,h,i)perylene	28.7	U	1	28.7	190	ug/Kg	12/01/25 19:21	PB170735
95-94-3	1,2,4,5-Tetrachlorobenzene	28.5	U	1	28.5	190	ug/Kg	12/01/25 19:21	PB170735
123-91-1	1,4-Dioxane	50.4	U	1	50.4	190	ug/Kg	12/01/25 19:21	PB170735
58-90-2	2,3,4,6-Tetrachlorophenol	30.6	U	1	30.6	190	ug/Kg	12/01/25 19:21	PB170735

SURROGATES

367-12-4	2-Fluorophenol	68.9		10 - 105	46%	SPK: 150
13127-88-3	Phenol-d6	65.3		10 - 103	44%	SPK: 150
4165-60-0	Nitrobenzene-d5	46.4		10 - 108	46%	SPK: 100
321-60-8	2-Fluorobiphenyl	48.3		10 - 108	48%	SPK: 100
118-79-6	2,4,6-Tribromophenol	70.5		10 - 116	47%	SPK: 150
1718-51-0	Terphenyl-d14	44.3		10 - 109	44%	SPK: 100

INTERNAL STANDARDS

	Area Count
3855-82-1 1,4-Dichlorobenzene-d4	220000
1146-65-2 Naphthalene-d8	815000
15067-26-2 Acenaphthene-d10	475000
1517-22-2 Phenanthrene-d10	944000
1719-03-5 Chrysene-d12	1180000
1520-96-3 Perylene-d12	1390000

TENTATIVE IDENTIFIED COMPOUNDS

000119-61-9	Benzophenone	170	J	15.7	ug/Kg
000057-10-3	n-Hexadecanoic acid	140	J	18.0	ug/Kg



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Report of Analysis

Client:	Remington & Vernick	Date Collected:	11/24/25
Project:	Saddler Property	Date Received:	11/25/25
Client Sample ID:	SB-1125-15B	SDG No.:	Q3719
Lab Sample ID:	Q3719-10	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	89.4
	Level: LOW	Test:	SVOC-TCL BNA -20
Sample Wt/Vol:	30.09 g		
	Final Vol: 1000 uL		
Prep Method :	SW3541		
	Prep Date: 11/25/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
000661-19-8	Behenic alcohol	110	J			21.2	ug/Kg		

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products



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Report of Analysis

Client:	Remington & Vernick		Date Collected:	11/24/25
Project:	Saddler Property		Date Received:	11/25/25
Client Sample ID:	SB-1125-16A		SDG No.:	Q3719
Lab Sample ID:	Q3719-11		Matrix:	SOIL
Analytical Method:	8270E	Level: LOW	% Solid:	88
Sample Wt/Vol:	30.07 g	Final Vol:	1000 uL	Test:
Prep Method :	SW3541	Prep Date:	11/25/25	

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	180	U	1	180	370	ug/Kg	12/01/25 15:45	PB170735
108-95-2	Phenol	25.1	U	1	25.1	190	ug/Kg	12/01/25 15:45	PB170735
111-44-4	bis(2-Chloroethyl)ether	27.5	U	1	27.5	190	ug/Kg	12/01/25 15:45	PB170735
95-57-8	2-Chlorophenol	27.7	U	1	27.7	190	ug/Kg	12/01/25 15:45	PB170735
95-48-7	2-Methylphenol	33.9	U	1	33.9	190	ug/Kg	12/01/25 15:45	PB170735
108-60-1	2,2-oxybis(1-Chloropropane)	42.5	U	1	42.5	190	ug/Kg	12/01/25 15:45	PB170735
98-86-2	Acetophenone	33.4	U	1	33.4	190	ug/Kg	12/01/25 15:45	PB170735
65794-96-9	3+4-Methylphenols	46.6	U	1	46.6	370	ug/Kg	12/01/25 15:45	PB170735
621-64-7	n-Nitroso-di-n-propylamine	53.7	U	1	53.7	90.7	ug/Kg	12/01/25 15:45	PB170735
67-72-1	Hexachloroethane	20.0	U	1	20.0	190	ug/Kg	12/01/25 15:45	PB170735
98-95-3	Nitrobenzene	20.7	U	1	20.7	190	ug/Kg	12/01/25 15:45	PB170735
78-59-1	Isophorone	37.2	U	1	37.2	190	ug/Kg	12/01/25 15:45	PB170735
88-75-5	2-Nitrophenol	66.0	U	1	66.0	190	ug/Kg	12/01/25 15:45	PB170735
105-67-9	2,4-Dimethylphenol	73.5	U	1	73.5	190	ug/Kg	12/01/25 15:45	PB170735
111-91-1	bis(2-Chloroethoxy)methane	34.9	U	1	34.9	190	ug/Kg	12/01/25 15:45	PB170735
120-83-2	2,4-Dichlorophenol	32.1	U	1	32.1	190	ug/Kg	12/01/25 15:45	PB170735
91-20-3	Naphthalene	25.7	U	1	25.7	190	ug/Kg	12/01/25 15:45	PB170735
106-47-8	4-Chloroaniline	40.1	U	1	40.1	190	ug/Kg	12/01/25 15:45	PB170735
87-68-3	Hexachlorobutadiene	28.7	U	1	28.7	190	ug/Kg	12/01/25 15:45	PB170735
105-60-2	Caprolactam	59.1	U	1	59.1	370	ug/Kg	12/01/25 15:45	PB170735
59-50-7	4-Chloro-3-methylphenol	32.5	U	1	32.5	190	ug/Kg	12/01/25 15:45	PB170735
91-57-6	2-Methylnaphthalene	29.0	U	1	29.0	190	ug/Kg	12/01/25 15:45	PB170735
77-47-4	Hexachlorocyclopentadiene	130	U	1	130	370	ug/Kg	12/01/25 15:45	PB170735
88-06-2	2,4,6-Trichlorophenol	22.4	U	1	22.4	190	ug/Kg	12/01/25 15:45	PB170735
95-95-4	2,4,5-Trichlorophenol	33.0	U	1	33.0	190	ug/Kg	12/01/25 15:45	PB170735
92-52-4	1,1-Biphenyl	24.7	U	1	24.7	190	ug/Kg	12/01/25 15:45	PB170735
91-58-7	2-Chloronaphthalene	25.5	U	1	25.5	190	ug/Kg	12/01/25 15:45	PB170735
88-74-4	2-Nitroaniline	54.5	U	1	54.5	190	ug/Kg	12/01/25 15:45	PB170735
131-11-3	Dimethylphthalate	30.7	U	1	30.7	190	ug/Kg	12/01/25 15:45	PB170735
208-96-8	Acenaphthylene	32.8	U	1	32.8	190	ug/Kg	12/01/25 15:45	PB170735
606-20-2	2,6-Dinitrotoluene	38.1	U	1	38.1	190	ug/Kg	12/01/25 15:45	PB170735
99-09-2	3-Nitroaniline	52.2	U	1	52.2	190	ug/Kg	12/01/25 15:45	PB170735
83-32-9	Acenaphthene	24.1	U	1	24.1	190	ug/Kg	12/01/25 15:45	PB170735
51-28-5	2,4-Dinitrophenol	260	U	1	260	370	ug/Kg	12/01/25 15:45	PB170735
100-02-7	4-Nitrophenol	120	U	1	120	370	ug/Kg	12/01/25 15:45	PB170735
132-64-9	Dibenzofuran	25.7	U	1	25.7	190	ug/Kg	12/01/25 15:45	PB170735
121-14-2	2,4-Dinitrotoluene	56.8	U	1	56.8	190	ug/Kg	12/01/25 15:45	PB170735
84-66-2	Diethylphthalate	32.1	U	1	32.1	190	ug/Kg	12/01/25 15:45	PB170735
7005-72-3	4-Chlorophenyl-phenylether	30.3	U	1	30.3	190	ug/Kg	12/01/25 15:45	PB170735
86-73-7	Fluorene	28.7	U	1	28.7	190	ug/Kg	12/01/25 15:45	PB170735
100-01-6	4-Nitroaniline	72.8	U	1	72.8	190	ug/Kg	12/01/25 15:45	PB170735
534-52-1	4,6-Dinitro-2-methylphenol	120	U	1	120	370	ug/Kg	12/01/25 15:45	PB170735



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Report of Analysis

Client:	Remington & Vernick		Date Collected:	11/24/25
Project:	Saddler Property		Date Received:	11/25/25
Client Sample ID:	SB-1125-16A		SDG No.:	Q3719
Lab Sample ID:	Q3719-11		Matrix:	SOIL
Analytical Method:	8270E	Level: LOW	% Solid:	88
Sample Wt/Vol:	30.07 g	Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Prep Date: 11/25/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	37.3	U	1	37.3	190	ug/Kg	12/01/25 15:45	PB170735
101-55-3	4-Bromophenyl-phenylether	31.5	U	1	31.5	190	ug/Kg	12/01/25 15:45	PB170735
118-74-1	Hexachlorobenzene	28.7	U	1	28.7	190	ug/Kg	12/01/25 15:45	PB170735
1912-24-9	Atrazine	38.5	U	1	38.5	190	ug/Kg	12/01/25 15:45	PB170735
87-86-5	Pentachlorophenol	58.2	U	1	58.2	370	ug/Kg	12/01/25 15:45	PB170735
85-01-8	Phenanthrene	220		1	23.7	190	ug/Kg	12/01/25 15:45	PB170735
120-12-7	Anthracene	37.8	U	1	37.8	190	ug/Kg	12/01/25 15:45	PB170735
86-74-8	Carbazole	35.4	U	1	35.4	190	ug/Kg	12/01/25 15:45	PB170735
84-74-2	Di-n-butylphthalate	54.3	U	1	54.3	190	ug/Kg	12/01/25 15:45	PB170735
206-44-0	Fluoranthene	410		1	34.0	190	ug/Kg	12/01/25 15:45	PB170735
129-00-0	Pyrene	260		1	40.8	190	ug/Kg	12/01/25 15:45	PB170735
85-68-7	Butylbenzylphthalate	80.9	U	1	80.9	190	ug/Kg	12/01/25 15:45	PB170735
91-94-1	3,3-Dichlorobenzidine	41.6	U	1	41.6	370	ug/Kg	12/01/25 15:45	PB170735
56-55-3	Benzo(a)anthracene	190		1	26.1	190	ug/Kg	12/01/25 15:45	PB170735
218-01-9	Chrysene	170	J	1	22.6	190	ug/Kg	12/01/25 15:45	PB170735
117-81-7	Bis(2-ethylhexyl)phthalate	110	J	1	67.1	190	ug/Kg	12/01/25 15:45	PB170735
117-84-0	Di-n-octyl phthalate	98.4	U	1	98.4	370	ug/Kg	12/01/25 15:45	PB170735
205-99-2	Benzo(b)fluoranthene	250		1	21.5	190	ug/Kg	12/01/25 15:45	PB170735
207-08-9	Benzo(k)fluoranthene	75.8	J	1	25.4	190	ug/Kg	12/01/25 15:45	PB170735
50-32-8	Benzo(a)pyrene	190		1	33.4	190	ug/Kg	12/01/25 15:45	PB170735
193-39-5	Indeno(1,2,3-cd)pyrene	33.0	U	1	33.0	190	ug/Kg	12/01/25 15:45	PB170735
53-70-3	Dibenzo(a,h)anthracene	31.1	U	1	31.1	190	ug/Kg	12/01/25 15:45	PB170735
191-24-2	Benzo(g,h,i)perylene	29.1	U	1	29.1	190	ug/Kg	12/01/25 15:45	PB170735
95-94-3	1,2,4,5-Tetrachlorobenzene	29.0	U	1	29.0	190	ug/Kg	12/01/25 15:45	PB170735
123-91-1	1,4-Dioxane	51.2	U	1	51.2	190	ug/Kg	12/01/25 15:45	PB170735
58-90-2	2,3,4,6-Tetrachlorophenol	31.1	U	1	31.1	190	ug/Kg	12/01/25 15:45	PB170735

SURROGATES

367-12-4	2-Fluorophenol	91.7		10 - 105	61%	SPK: 150
13127-88-3	Phenol-d6	88.5		10 - 103	59%	SPK: 150
4165-60-0	Nitrobenzene-d5	62.8		10 - 108	63%	SPK: 100
321-60-8	2-Fluorobiphenyl	59.6		10 - 108	60%	SPK: 100
118-79-6	2,4,6-Tribromophenol	74.7		10 - 116	50%	SPK: 150
1718-51-0	Terphenyl-d14	41.8		10 - 109	42%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	47900
1146-65-2	Naphthalene-d8	176000
15067-26-2	Acenaphthene-d10	87200
1517-22-2	Phenanthrene-d10	137000
1719-03-5	Chrysene-d12	130000
1520-96-3	Perylene-d12	155000

TENTATIVE IDENTIFIED COMPOUNDS

000930-60-9	4-Cyclopentene-1,3-dione	930	J	5.58	ug/Kg
000119-61-9	Benzophenone	270	J	10.6	ug/Kg



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Report of Analysis

Client:	Remington & Vernick	Date Collected:	11/24/25
Project:	Saddler Property	Date Received:	11/25/25
Client Sample ID:	SB-1125-16A	SDG No.:	Q3719
Lab Sample ID:	Q3719-11	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	88
	Level: LOW	Test:	SVOC-TCL BNA -20
Sample Wt/Vol:	30.07 g		
	Final Vol: 1000 uL		
Prep Method :	SW3541		
	Prep Date: 11/25/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
000057-10-3	n-Hexadecanoic acid	700	J			11.9	ug/Kg		
000057-11-4	Octadecanoic acid	160	J			12.7	ug/Kg		
1000383-11-5	Carbonic acid, octadecyl prop-1-en	210	J			13.9	ug/Kg		
000629-92-5	Nonadecane	120	J			14.5	ug/Kg		
000192-97-2	Benzo[e]pyrene	140	J			15.4	ug/Kg		
000629-78-7	Heptadecane	120	J			16.0	ug/Kg		

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products



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Report of Analysis

Client:	Remington & Vernick		Date Collected:	11/24/25
Project:	Saddler Property		Date Received:	11/25/25
Client Sample ID:	SB-1125-16B		SDG No.:	Q3719
Lab Sample ID:	Q3719-12		Matrix:	SOIL
Analytical Method:	8270E	Level: LOW	% Solid:	90.7
Sample Wt/Vol:	30.04 g	Final Vol:	1000 uL	Test:
Prep Method :	SW3541	Prep Date:	11/25/25	

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	170	U	1	170	360	ug/Kg	11/26/25 22:13	PB170735
108-95-2	Phenol	24.3	U	1	24.3	190	ug/Kg	11/26/25 22:13	PB170735
111-44-4	bis(2-Chloroethyl)ether	26.8	U	1	26.8	190	ug/Kg	11/26/25 22:13	PB170735
95-57-8	2-Chlorophenol	26.9	U	1	26.9	190	ug/Kg	11/26/25 22:13	PB170735
95-48-7	2-Methylphenol	32.9	U	1	32.9	190	ug/Kg	11/26/25 22:13	PB170735
108-60-1	2,2-oxybis(1-Chloropropane)	41.3	U	1	41.3	190	ug/Kg	11/26/25 22:13	PB170735
98-86-2	Acetophenone	32.5	U	1	32.5	190	ug/Kg	11/26/25 22:13	PB170735
65794-96-9	3+4-Methylphenols	45.3	U	1	45.3	360	ug/Kg	11/26/25 22:13	PB170735
621-64-7	n-Nitroso-di-n-propylamine	52.2	U	1	52.2	88.1	ug/Kg	11/26/25 22:13	PB170735
67-72-1	Hexachloroethane	19.4	U	1	19.4	190	ug/Kg	11/26/25 22:13	PB170735
98-95-3	Nitrobenzene	20.1	U	1	20.1	190	ug/Kg	11/26/25 22:13	PB170735
78-59-1	Isophorone	36.1	U	1	36.1	190	ug/Kg	11/26/25 22:13	PB170735
88-75-5	2-Nitrophenol	64.1	U	1	64.1	190	ug/Kg	11/26/25 22:13	PB170735
105-67-9	2,4-Dimethylphenol	71.3	U	1	71.3	190	ug/Kg	11/26/25 22:13	PB170735
111-91-1	bis(2-Chloroethoxy)methane	33.9	U	1	33.9	190	ug/Kg	11/26/25 22:13	PB170735
120-83-2	2,4-Dichlorophenol	31.2	U	1	31.2	190	ug/Kg	11/26/25 22:13	PB170735
91-20-3	Naphthalene	25.0	U	1	25.0	190	ug/Kg	11/26/25 22:13	PB170735
106-47-8	4-Chloroaniline	39.0	U	1	39.0	190	ug/Kg	11/26/25 22:13	PB170735
87-68-3	Hexachlorobutadiene	27.9	U	1	27.9	190	ug/Kg	11/26/25 22:13	PB170735
105-60-2	Caprolactam	57.4	U	1	57.4	360	ug/Kg	11/26/25 22:13	PB170735
59-50-7	4-Chloro-3-methylphenol	31.6	U	1	31.6	190	ug/Kg	11/26/25 22:13	PB170735
91-57-6	2-Methylnaphthalene	28.2	U	1	28.2	190	ug/Kg	11/26/25 22:13	PB170735
77-47-4	Hexachlorocyclopentadiene	130	U	1	130	360	ug/Kg	11/26/25 22:13	PB170735
88-06-2	2,4,6-Trichlorophenol	21.8	U	1	21.8	190	ug/Kg	11/26/25 22:13	PB170735
95-95-4	2,4,5-Trichlorophenol	32.0	U	1	32.0	190	ug/Kg	11/26/25 22:13	PB170735
92-52-4	1,1-Biphenyl	24.0	U	1	24.0	190	ug/Kg	11/26/25 22:13	PB170735
91-58-7	2-Chloronaphthalene	24.8	U	1	24.8	190	ug/Kg	11/26/25 22:13	PB170735
88-74-4	2-Nitroaniline	53.0	U	1	53.0	190	ug/Kg	11/26/25 22:13	PB170735
131-11-3	Dimethylphthalate	29.8	U	1	29.8	190	ug/Kg	11/26/25 22:13	PB170735
208-96-8	Acenaphthylene	31.8	U	1	31.8	190	ug/Kg	11/26/25 22:13	PB170735
606-20-2	2,6-Dinitrotoluene	37.0	U	1	37.0	190	ug/Kg	11/26/25 22:13	PB170735
99-09-2	3-Nitroaniline	50.6	U	1	50.6	190	ug/Kg	11/26/25 22:13	PB170735
83-32-9	Acenaphthene	23.5	U	1	23.5	190	ug/Kg	11/26/25 22:13	PB170735
51-28-5	2,4-Dinitrophenol	250	U	1	250	360	ug/Kg	11/26/25 22:13	PB170735
100-02-7	4-Nitrophenol	120	U	1	120	360	ug/Kg	11/26/25 22:13	PB170735
132-64-9	Dibenzofuran	25.0	U	1	25.0	190	ug/Kg	11/26/25 22:13	PB170735
121-14-2	2,4-Dinitrotoluene	55.2	U	1	55.2	190	ug/Kg	11/26/25 22:13	PB170735
84-66-2	Diethylphthalate	31.2	U	1	31.2	190	ug/Kg	11/26/25 22:13	PB170735
7005-72-3	4-Chlorophenyl-phenylether	29.4	U	1	29.4	190	ug/Kg	11/26/25 22:13	PB170735
86-73-7	Fluorene	27.9	U	1	27.9	190	ug/Kg	11/26/25 22:13	PB170735
100-01-6	4-Nitroaniline	70.7	U	1	70.7	190	ug/Kg	11/26/25 22:13	PB170735
534-52-1	4,6-Dinitro-2-methylphenol	110	U	1	110	360	ug/Kg	11/26/25 22:13	PB170735



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Report of Analysis

Client:	Remington & Vernick		Date Collected:	11/24/25
Project:	Saddler Property		Date Received:	11/25/25
Client Sample ID:	SB-1125-16B		SDG No.:	Q3719
Lab Sample ID:	Q3719-12		Matrix:	SOIL
Analytical Method:	8270E	Level: LOW	% Solid:	90.7
Sample Wt/Vol:	30.04 g	Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Prep Date: 11/25/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	36.2	U	1	36.2	190	ug/Kg	11/26/25 22:13	PB170735
101-55-3	4-Bromophenyl-phenylether	30.6	U	1	30.6	190	ug/Kg	11/26/25 22:13	PB170735
118-74-1	Hexachlorobenzene	27.9	U	1	27.9	190	ug/Kg	11/26/25 22:13	PB170735
1912-24-9	Atrazine	37.4	U	1	37.4	190	ug/Kg	11/26/25 22:13	PB170735
87-86-5	Pentachlorophenol	56.5	U	1	56.5	360	ug/Kg	11/26/25 22:13	PB170735
85-01-8	Phenanthrene	79.8	J	1	23.0	190	ug/Kg	11/26/25 22:13	PB170735
120-12-7	Anthracene	36.7	U	1	36.7	190	ug/Kg	11/26/25 22:13	PB170735
86-74-8	Carbazole	34.4	U	1	34.4	190	ug/Kg	11/26/25 22:13	PB170735
84-74-2	Di-n-butylphthalate	52.7	U	1	52.7	190	ug/Kg	11/26/25 22:13	PB170735
206-44-0	Fluoranthene	180	J	1	33.0	190	ug/Kg	11/26/25 22:13	PB170735
129-00-0	Pyrene	110	J	1	39.6	190	ug/Kg	11/26/25 22:13	PB170735
85-68-7	Butylbenzylphthalate	78.6	U	1	78.6	190	ug/Kg	11/26/25 22:13	PB170735
91-94-1	3,3-Dichlorobenzidine	40.4	U	1	40.4	360	ug/Kg	11/26/25 22:13	PB170735
56-55-3	Benzo(a)anthracene	86.4	J	1	25.3	190	ug/Kg	11/26/25 22:13	PB170735
218-01-9	Chrysene	89.5	J	1	21.9	190	ug/Kg	11/26/25 22:13	PB170735
117-81-7	Bis(2-ethylhexyl)phthalate	65.2	U	1	65.2	190	ug/Kg	11/26/25 22:13	PB170735
117-84-0	Di-n-octyl phthalate	95.6	U	1	95.6	360	ug/Kg	11/26/25 22:13	PB170735
205-99-2	Benzo(b)fluoranthene	110	J	1	20.9	190	ug/Kg	11/26/25 22:13	PB170735
207-08-9	Benzo(k)fluoranthene	24.7	U	1	24.7	190	ug/Kg	11/26/25 22:13	PB170735
50-32-8	Benzo(a)pyrene	81.6	J	1	32.5	190	ug/Kg	11/26/25 22:13	PB170735
193-39-5	Indeno(1,2,3-cd)pyrene	32.0	U	1	32.0	190	ug/Kg	11/26/25 22:13	PB170735
53-70-3	Dibenzo(a,h)anthracene	30.2	U	1	30.2	190	ug/Kg	11/26/25 22:13	PB170735
191-24-2	Benzo(g,h,i)perylene	28.3	U	1	28.3	190	ug/Kg	11/26/25 22:13	PB170735
95-94-3	1,2,4,5-Tetrachlorobenzene	28.2	U	1	28.2	190	ug/Kg	11/26/25 22:13	PB170735
123-91-1	1,4-Dioxane	49.8	U	1	49.8	190	ug/Kg	11/26/25 22:13	PB170735
58-90-2	2,3,4,6-Tetrachlorophenol	30.2	U	1	30.2	190	ug/Kg	11/26/25 22:13	PB170735

SURROGATES

367-12-4	2-Fluorophenol	79.5		10 - 105	53%	SPK: 150
13127-88-3	Phenol-d6	78.7		10 - 103	52%	SPK: 150
4165-60-0	Nitrobenzene-d5	55.4		10 - 108	55%	SPK: 100
321-60-8	2-Fluorobiphenyl	56.2		10 - 108	56%	SPK: 100
118-79-6	2,4,6-Tribromophenol	61.7		10 - 116	41%	SPK: 150
1718-51-0	Terphenyl-d14	37.7		10 - 109	38%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	57800
1146-65-2	Naphthalene-d8	214000
15067-26-2	Acenaphthene-d10	107000
1517-22-2	Phenanthrene-d10	152000
1719-03-5	Chrysene-d12	152000
1520-96-3	Perylene-d12	179000

TENTATIVE IDENTIFIED COMPOUNDS

000119-61-9	Benzophenone	200	J	10.6	ug/Kg
000638-53-9	Tridecanoic acid	270	J	11.9	ug/Kg



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Report of Analysis

Client:	Remington & Vernick	Date Collected:	11/24/25
Project:	Saddler Property	Date Received:	11/25/25
Client Sample ID:	SB-1125-16B	SDG No.:	Q3719
Lab Sample ID:	Q3719-12	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	90.7
	Level: LOW	Test:	SVOC-TCL BNA -20
Sample Wt/Vol:	30.04 g		
	Final Vol: 1000 uL		
Prep Method :	SW3541		
	Prep Date: 11/25/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
1000351-83-7	Tetracosyl heptafluorobutyrate	140	J			13.9	ug/Kg		
000630-04-6	Hentriacontane	88.1	J			16.0	ug/Kg		
000629-94-7	Heneicosane	80.4	J			16.5	ug/Kg		

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products



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Report of Analysis

Client:	Remington & Vernick		Date Collected:	11/24/25
Project:	Saddler Property		Date Received:	11/25/25
Client Sample ID:	SB-1125-17A		SDG No.:	Q3719
Lab Sample ID:	Q3719-13		Matrix:	SOIL
Analytical Method:	8270E	Level: LOW	% Solid:	86.3
Sample Wt/Vol:	30.08 g	Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Prep Date: 11/25/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	180	U	1	180	380	ug/Kg	12/02/25 20:18	PB170735
108-95-2	Phenol	25.5	U	1	25.5	200	ug/Kg	12/02/25 20:18	PB170735
111-44-4	bis(2-Chloroethyl)ether	28.1	U	1	28.1	200	ug/Kg	12/02/25 20:18	PB170735
95-57-8	2-Chlorophenol	28.2	U	1	28.2	200	ug/Kg	12/02/25 20:18	PB170735
95-48-7	2-Methylphenol	34.6	U	1	34.6	200	ug/Kg	12/02/25 20:18	PB170735
108-60-1	2,2-oxybis(1-Chloropropane)	43.3	U	1	43.3	200	ug/Kg	12/02/25 20:18	PB170735
98-86-2	Acetophenone	34.1	U	1	34.1	200	ug/Kg	12/02/25 20:18	PB170735
65794-96-9	3+4-Methylphenols	47.5	U	1	47.5	380	ug/Kg	12/02/25 20:18	PB170735
621-64-7	n-Nitroso-di-n-propylamine	54.8	U	1	54.8	92.5	ug/Kg	12/02/25 20:18	PB170735
67-72-1	Hexachloroethane	20.3	U	1	20.3	200	ug/Kg	12/02/25 20:18	PB170735
98-95-3	Nitrobenzene	21.1	U	1	21.1	200	ug/Kg	12/02/25 20:18	PB170735
78-59-1	Isophorone	37.9	U	1	37.9	200	ug/Kg	12/02/25 20:18	PB170735
88-75-5	2-Nitrophenol	67.3	U	1	67.3	200	ug/Kg	12/02/25 20:18	PB170735
105-67-9	2,4-Dimethylphenol	74.9	U	1	74.9	200	ug/Kg	12/02/25 20:18	PB170735
111-91-1	bis(2-Chloroethoxy)methane	35.6	U	1	35.6	200	ug/Kg	12/02/25 20:18	PB170735
120-83-2	2,4-Dichlorophenol	32.7	U	1	32.7	200	ug/Kg	12/02/25 20:18	PB170735
91-20-3	Naphthalene	26.2	U	1	26.2	200	ug/Kg	12/02/25 20:18	PB170735
106-47-8	4-Chloroaniline	40.9	U	1	40.9	200	ug/Kg	12/02/25 20:18	PB170735
87-68-3	Hexachlorobutadiene	29.2	U	1	29.2	200	ug/Kg	12/02/25 20:18	PB170735
105-60-2	Caprolactam	60.2	U	1	60.2	380	ug/Kg	12/02/25 20:18	PB170735
59-50-7	4-Chloro-3-methylphenol	33.2	U	1	33.2	200	ug/Kg	12/02/25 20:18	PB170735
91-57-6	2-Methylnaphthalene	29.6	U	1	29.6	200	ug/Kg	12/02/25 20:18	PB170735
77-47-4	Hexachlorocyclopentadiene	130	U	1	130	380	ug/Kg	12/02/25 20:18	PB170735
88-06-2	2,4,6-Trichlorophenol	22.9	U	1	22.9	200	ug/Kg	12/02/25 20:18	PB170735
95-95-4	2,4,5-Trichlorophenol	33.6	U	1	33.6	200	ug/Kg	12/02/25 20:18	PB170735
92-52-4	1,1-Biphenyl	25.2	U	1	25.2	200	ug/Kg	12/02/25 20:18	PB170735
91-58-7	2-Chloronaphthalene	26.0	U	1	26.0	200	ug/Kg	12/02/25 20:18	PB170735
88-74-4	2-Nitroaniline	55.6	U	1	55.6	200	ug/Kg	12/02/25 20:18	PB170735
131-11-3	Dimethylphthalate	31.3	U	1	31.3	200	ug/Kg	12/02/25 20:18	PB170735
208-96-8	Acenaphthylene	33.4	U	1	33.4	200	ug/Kg	12/02/25 20:18	PB170735
606-20-2	2,6-Dinitrotoluene	38.8	U	1	38.8	200	ug/Kg	12/02/25 20:18	PB170735
99-09-2	3-Nitroaniline	53.2	U	1	53.2	200	ug/Kg	12/02/25 20:18	PB170735
83-32-9	Acenaphthene	24.6	U	1	24.6	200	ug/Kg	12/02/25 20:18	PB170735
51-28-5	2,4-Dinitrophenol	260	U	1	260	380	ug/Kg	12/02/25 20:18	PB170735
100-02-7	4-Nitrophenol	120	U	1	120	380	ug/Kg	12/02/25 20:18	PB170735
132-64-9	Dibenzofuran	26.2	U	1	26.2	200	ug/Kg	12/02/25 20:18	PB170735
121-14-2	2,4-Dinitrotoluene	57.9	U	1	57.9	200	ug/Kg	12/02/25 20:18	PB170735
84-66-2	Diethylphthalate	32.7	U	1	32.7	200	ug/Kg	12/02/25 20:18	PB170735
7005-72-3	4-Chlorophenyl-phenylether	30.9	U	1	30.9	200	ug/Kg	12/02/25 20:18	PB170735
86-73-7	Fluorene	29.2	U	1	29.2	200	ug/Kg	12/02/25 20:18	PB170735
100-01-6	4-Nitroaniline	74.2	U	1	74.2	200	ug/Kg	12/02/25 20:18	PB170735
534-52-1	4,6-Dinitro-2-methylphenol	120	U	1	120	380	ug/Kg	12/02/25 20:18	PB170735



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Report of Analysis

Client:	Remington & Vernick		Date Collected:	11/24/25
Project:	Saddler Property		Date Received:	11/25/25
Client Sample ID:	SB-1125-17A		SDG No.:	Q3719
Lab Sample ID:	Q3719-13		Matrix:	SOIL
Analytical Method:	8270E	Level: LOW	% Solid:	86.3
Sample Wt/Vol:	30.08 g	Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Prep Date: 11/25/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	38.0	U	1	38.0	200	ug/Kg	12/02/25 20:18	PB170735
101-55-3	4-Bromophenyl-phenylether	32.1	U	1	32.1	200	ug/Kg	12/02/25 20:18	PB170735
118-74-1	Hexachlorobenzene	29.2	U	1	29.2	200	ug/Kg	12/02/25 20:18	PB170735
1912-24-9	Atrazine	39.3	U	1	39.3	200	ug/Kg	12/02/25 20:18	PB170735
87-86-5	Pentachlorophenol	59.3	U	1	59.3	380	ug/Kg	12/02/25 20:18	PB170735
85-01-8	Phenanthrene	370		1	24.2	200	ug/Kg	12/02/25 20:18	PB170735
120-12-7	Anthracene	88.9	J	1	38.5	200	ug/Kg	12/02/25 20:18	PB170735
86-74-8	Carbazole	36.1	U	1	36.1	200	ug/Kg	12/02/25 20:18	PB170735
84-74-2	Di-n-butylphthalate	55.4	U	1	55.4	200	ug/Kg	12/02/25 20:18	PB170735
206-44-0	Fluoranthene	800		1	34.7	200	ug/Kg	12/02/25 20:18	PB170735
129-00-0	Pyrene	630		1	41.6	200	ug/Kg	12/02/25 20:18	PB170735
85-68-7	Butylbenzylphthalate	93.6	J	1	82.5	200	ug/Kg	12/02/25 20:18	PB170735
91-94-1	3,3-Dichlorobenzidine	42.4	U	1	42.4	380	ug/Kg	12/02/25 20:18	PB170735
56-55-3	Benzo(a)anthracene	320		1	26.6	200	ug/Kg	12/02/25 20:18	PB170735
218-01-9	Chrysene	320		1	23.0	200	ug/Kg	12/02/25 20:18	PB170735
117-81-7	Bis(2-ethylhexyl)phthalate	68.4	U	1	68.4	200	ug/Kg	12/02/25 20:18	PB170735
117-84-0	Di-n-octyl phthalate	100	U	1	100	380	ug/Kg	12/02/25 20:18	PB170735
205-99-2	Benzo(b)fluoranthene	390		1	22.0	200	ug/Kg	12/02/25 20:18	PB170735
207-08-9	Benzo(k)fluoranthene	180	J	1	25.9	200	ug/Kg	12/02/25 20:18	PB170735
50-32-8	Benzo(a)pyrene	300		1	34.1	200	ug/Kg	12/02/25 20:18	PB170735
193-39-5	Indeno(1,2,3-cd)pyrene	130	J	1	33.6	200	ug/Kg	12/02/25 20:18	PB170735
53-70-3	Dibenzo(a,h)anthracene	31.7	U	1	31.7	200	ug/Kg	12/02/25 20:18	PB170735
191-24-2	Benzo(g,h,i)perylene	160	J	1	29.7	200	ug/Kg	12/02/25 20:18	PB170735
95-94-3	1,2,4,5-Tetrachlorobenzene	29.6	U	1	29.6	200	ug/Kg	12/02/25 20:18	PB170735
123-91-1	1,4-Dioxane	52.2	U	1	52.2	200	ug/Kg	12/02/25 20:18	PB170735
58-90-2	2,3,4,6-Tetrachlorophenol	31.7	U	1	31.7	200	ug/Kg	12/02/25 20:18	PB170735

SURROGATES

367-12-4	2-Fluorophenol	78.9		10 - 105	53%	SPK: 150
13127-88-3	Phenol-d6	78.1		10 - 103	52%	SPK: 150
4165-60-0	Nitrobenzene-d5	54.4		10 - 108	54%	SPK: 100
321-60-8	2-Fluorobiphenyl	51.4		10 - 108	51%	SPK: 100
118-79-6	2,4,6-Tribromophenol	76.1		10 - 116	51%	SPK: 150
1718-51-0	Terphenyl-d14	53.6		10 - 109	54%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	38100
1146-65-2	Naphthalene-d8	134000
15067-26-2	Acenaphthene-d10	71500
1517-22-2	Phenanthrene-d10	142000
1719-03-5	Chrysene-d12	101000
1520-96-3	Perylene-d12	83800

TENTATIVE IDENTIFIED COMPOUNDS

000119-61-9	Benzophenone	230	J	10.6	ug/Kg
006145-73-9	Tris(2-chloropropyl) phosphate	130	J	11.3	ug/Kg



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Report of Analysis

Client:	Remington & Vernick	Date Collected:	11/24/25
Project:	Saddler Property	Date Received:	11/25/25
Client Sample ID:	SB-1125-17A	SDG No.:	Q3719
Lab Sample ID:	Q3719-13	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.3
	Level: LOW	Test:	SVOC-TCL BNA -20
Sample Wt/Vol:	30.08 g		
	Final Vol: 1000 uL		
Prep Method :	SW3541		
	Prep Date: 11/25/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
000057-10-3	n-Hexadecanoic acid	280	J			11.9	ug/Kg		

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products



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Report of Analysis

Client:	Remington & Vernick		Date Collected:	11/24/25
Project:	Saddler Property		Date Received:	11/25/25
Client Sample ID:	SB-1125-17B		SDG No.:	Q3719
Lab Sample ID:	Q3719-14		Matrix:	SOIL
Analytical Method:	8270E	Level: LOW	% Solid:	84.3
Sample Wt/Vol:	30.06 g	Final Vol:	1000 uL	Test:
Prep Method :	SW3541	Prep Date:	11/25/25	

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	920	U	5	920	2000	ug/Kg	12/01/25 19:11	PB170735
108-95-2	Phenol	130	U	5	130	1000	ug/Kg	12/01/25 19:11	PB170735
111-44-4	bis(2-Chloroethyl)ether	140	U	5	140	1000	ug/Kg	12/01/25 19:11	PB170735
95-57-8	2-Chlorophenol	140	U	5	140	1000	ug/Kg	12/01/25 19:11	PB170735
95-48-7	2-Methylphenol	180	U	5	180	1000	ug/Kg	12/01/25 19:11	PB170735
108-60-1	2,2-oxybis(1-Chloropropane)	220	U	5	220	1000	ug/Kg	12/01/25 19:11	PB170735
98-86-2	Acetophenone	170	U	5	170	1000	ug/Kg	12/01/25 19:11	PB170735
65794-96-9	3+4-Methylphenols	240	U	5	240	2000	ug/Kg	12/01/25 19:11	PB170735
621-64-7	n-Nitroso-di-n-propylamine	280	U	5	280	470	ug/Kg	12/01/25 19:11	PB170735
67-72-1	Hexachloroethane	100	U	5	100	1000	ug/Kg	12/01/25 19:11	PB170735
98-95-3	Nitrobenzene	110	U	5	110	1000	ug/Kg	12/01/25 19:11	PB170735
78-59-1	Isophorone	190	U	5	190	1000	ug/Kg	12/01/25 19:11	PB170735
88-75-5	2-Nitrophenol	340	U	5	340	1000	ug/Kg	12/01/25 19:11	PB170735
105-67-9	2,4-Dimethylphenol	380	U	5	380	1000	ug/Kg	12/01/25 19:11	PB170735
111-91-1	bis(2-Chloroethoxy)methane	180	U	5	180	1000	ug/Kg	12/01/25 19:11	PB170735
120-83-2	2,4-Dichlorophenol	170	U	5	170	1000	ug/Kg	12/01/25 19:11	PB170735
91-20-3	Naphthalene	130	U	5	130	1000	ug/Kg	12/01/25 19:11	PB170735
106-47-8	4-Chloroaniline	210	U	5	210	1000	ug/Kg	12/01/25 19:11	PB170735
87-68-3	Hexachlorobutadiene	150	U	5	150	1000	ug/Kg	12/01/25 19:11	PB170735
105-60-2	Caprolactam	310	U	5	310	2000	ug/Kg	12/01/25 19:11	PB170735
59-50-7	4-Chloro-3-methylphenol	170	U	5	170	1000	ug/Kg	12/01/25 19:11	PB170735
91-57-6	2-Methylnaphthalene	150	U	5	150	1000	ug/Kg	12/01/25 19:11	PB170735
77-47-4	Hexachlorocyclopentadiene	690	U	5	690	2000	ug/Kg	12/01/25 19:11	PB170735
88-06-2	2,4,6-Trichlorophenol	120	U	5	120	1000	ug/Kg	12/01/25 19:11	PB170735
95-95-4	2,4,5-Trichlorophenol	170	U	5	170	1000	ug/Kg	12/01/25 19:11	PB170735
92-52-4	1,1-Biphenyl	130	U	5	130	1000	ug/Kg	12/01/25 19:11	PB170735
91-58-7	2-Chloronaphthalene	130	U	5	130	1000	ug/Kg	12/01/25 19:11	PB170735
88-74-4	2-Nitroaniline	280	U	5	280	1000	ug/Kg	12/01/25 19:11	PB170735
131-11-3	Dimethylphthalate	160	U	5	160	1000	ug/Kg	12/01/25 19:11	PB170735
208-96-8	Acenaphthylene	170	U	5	170	1000	ug/Kg	12/01/25 19:11	PB170735
606-20-2	2,6-Dinitrotoluene	200	U	5	200	1000	ug/Kg	12/01/25 19:11	PB170735
99-09-2	3-Nitroaniline	270	U	5	270	1000	ug/Kg	12/01/25 19:11	PB170735
83-32-9	Acenaphthene	130	U	5	130	1000	ug/Kg	12/01/25 19:11	PB170735
51-28-5	2,4-Dinitrophenol	1400	U	5	1400	2000	ug/Kg	12/01/25 19:11	PB170735
100-02-7	4-Nitrophenol	630	U	5	630	2000	ug/Kg	12/01/25 19:11	PB170735
132-64-9	Dibenzofuran	130	U	5	130	1000	ug/Kg	12/01/25 19:11	PB170735
121-14-2	2,4-Dinitrotoluene	300	U	5	300	1000	ug/Kg	12/01/25 19:11	PB170735
84-66-2	Diethylphthalate	170	U	5	170	1000	ug/Kg	12/01/25 19:11	PB170735
7005-72-3	4-Chlorophenyl-phenylether	160	U	5	160	1000	ug/Kg	12/01/25 19:11	PB170735
86-73-7	Fluorene	150	U	5	150	1000	ug/Kg	12/01/25 19:11	PB170735
100-01-6	4-Nitroaniline	380	U	5	380	1000	ug/Kg	12/01/25 19:11	PB170735
534-52-1	4,6-Dinitro-2-methylphenol	610	U	5	610	2000	ug/Kg	12/01/25 19:11	PB170735



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Report of Analysis

Client:	Remington & Vernick		Date Collected:	11/24/25
Project:	Saddler Property		Date Received:	11/25/25
Client Sample ID:	SB-1125-17B		SDG No.:	Q3719
Lab Sample ID:	Q3719-14		Matrix:	SOIL
Analytical Method:	8270E	Level: LOW	% Solid:	84.3
Sample Wt/Vol:	30.06 g	Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Prep Date: 11/25/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	190	U	5	190	1000	ug/Kg	12/01/25 19:11	PB170735
101-55-3	4-Bromophenyl-phenylether	160	U	5	160	1000	ug/Kg	12/01/25 19:11	PB170735
118-74-1	Hexachlorobenzene	150	U	5	150	1000	ug/Kg	12/01/25 19:11	PB170735
1912-24-9	Atrazine	200	U	5	200	1000	ug/Kg	12/01/25 19:11	PB170735
87-86-5	Pentachlorophenol	300	U	5	300	2000	ug/Kg	12/01/25 19:11	PB170735
85-01-8	Phenanthrene	970	J	5	120	1000	ug/Kg	12/01/25 19:11	PB170735
120-12-7	Anthracene	200	U	5	200	1000	ug/Kg	12/01/25 19:11	PB170735
86-74-8	Carbazole	180	U	5	180	1000	ug/Kg	12/01/25 19:11	PB170735
84-74-2	Di-n-butylphthalate	280	U	5	280	1000	ug/Kg	12/01/25 19:11	PB170735
206-44-0	Fluoranthene	1400		5	180	1000	ug/Kg	12/01/25 19:11	PB170735
129-00-0	Pyrene	920	J	5	210	1000	ug/Kg	12/01/25 19:11	PB170735
85-68-7	Butylbenzylphthalate	420	U	5	420	1000	ug/Kg	12/01/25 19:11	PB170735
91-94-1	3,3-Dichlorobenzidine	220	U	5	220	2000	ug/Kg	12/01/25 19:11	PB170735
56-55-3	Benzo(a)anthracene	500	J	5	140	1000	ug/Kg	12/01/25 19:11	PB170735
218-01-9	Chrysene	480	J	5	120	1000	ug/Kg	12/01/25 19:11	PB170735
117-81-7	Bis(2-ethylhexyl)phthalate	350	U	5	350	1000	ug/Kg	12/01/25 19:11	PB170735
117-84-0	Di-n-octyl phthalate	510	U	5	510	2000	ug/Kg	12/01/25 19:11	PB170735
205-99-2	Benzo(b)fluoranthene	550	J	5	110	1000	ug/Kg	12/01/25 19:11	PB170735
207-08-9	Benzo(k)fluoranthene	130	U	5	130	1000	ug/Kg	12/01/25 19:11	PB170735
50-32-8	Benzo(a)pyrene	440	J	5	170	1000	ug/Kg	12/01/25 19:11	PB170735
193-39-5	Indeno(1,2,3-cd)pyrene	170	U	5	170	1000	ug/Kg	12/01/25 19:11	PB170735
53-70-3	Dibenzo(a,h)anthracene	160	U	5	160	1000	ug/Kg	12/01/25 19:11	PB170735
191-24-2	Benzo(g,h,i)perylene	150	U	5	150	1000	ug/Kg	12/01/25 19:11	PB170735
95-94-3	1,2,4,5-Tetrachlorobenzene	150	U	5	150	1000	ug/Kg	12/01/25 19:11	PB170735
123-91-1	1,4-Dioxane	270	U	5	270	1000	ug/Kg	12/01/25 19:11	PB170735
58-90-2	2,3,4,6-Tetrachlorophenol	160	U	5	160	1000	ug/Kg	12/01/25 19:11	PB170735

SURROGATES

367-12-4	2-Fluorophenol	49.6		10 - 105	33%	SPK: 150
13127-88-3	Phenol-d6	50.7		10 - 103	34%	SPK: 150
4165-60-0	Nitrobenzene-d5	33.3		10 - 108	33%	SPK: 100
321-60-8	2-Fluorobiphenyl	37.6		10 - 108	38%	SPK: 100
118-79-6	2,4,6-Tribromophenol	40.8		10 - 116	27%	SPK: 150
1718-51-0	Terphenyl-d14	32.0		10 - 109	32%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	64200
1146-65-2	Naphthalene-d8	226000
15067-26-2	Acenaphthene-d10	117000
1517-22-2	Phenanthrene-d10	209000
1719-03-5	Chrysene-d12	174000
1520-96-3	Perylene-d12	135000

TENTATIVE IDENTIFIED COMPOUNDS

000112-95-8	Eicosane	590	J	13.9	ug/Kg
000630-01-3	Hexacosane	520	J	14.2	ug/Kg



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Report of Analysis

Client:	Remington & Vernick	Date Collected:	11/24/25
Project:	Saddler Property	Date Received:	11/25/25
Client Sample ID:	SB-1125-17B	SDG No.:	Q3719
Lab Sample ID:	Q3719-14	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	84.3
	Level: LOW	Test:	SVOC-TCL BNA -20
Sample Wt/Vol:	30.06 g		
	Final Vol: 1000 uL		
Prep Method :	SW3541		
	Prep Date: 11/25/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
000629-94-7	Heneicosane	530	J			14.5	ug/Kg		
000593-49-7	Heptacosane	620	J			14.8	ug/Kg		

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products



QC SUMMARY

Surrogate Summary

SW-846

SDG No.: Q3719

Client: Remington & Vernick

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
PB170735BL	PB170735BL	2-Fluorophenol	150	112	74		10	105
		Phenol-d6	150	113	75		10	103
		Nitrobenzene-d5	100	74.9	75		10	108
		2-Fluorobiphenyl	100	75.6	76		10	108
		2,4,6-Tribromophenol	150	112	75		10	116
		Terphenyl-d14	100	84.2	84		10	109
PB170735BS	PB170735BS	2-Fluorophenol	150	112	75		10	105
		Phenol-d6	150	113	76		10	103
		Nitrobenzene-d5	100	77.9	78		10	108
		2-Fluorobiphenyl	100	77.8	78		10	108
		2,4,6-Tribromophenol	150	107	72		10	116
		Terphenyl-d14	100	76.5	76		10	109
Q3719-01	SB-1125-10A	2-Fluorophenol	150	80.4	54		10	105
		Phenol-d6	150	81.9	55		10	103
		Nitrobenzene-d5	100	56.6	57		10	108
		2-Fluorobiphenyl	100	52.1	52		10	108
		2,4,6-Tribromophenol	150	72.2	48		10	116
		Terphenyl-d14	100	40.2	40		10	109
Q3719-02	SB-1125-10B	2-Fluorophenol	150	70.5	47		10	105
		Phenol-d6	150	72.9	49		10	103
		Nitrobenzene-d5	100	48.7	49		10	108
		2-Fluorobiphenyl	100	42.5	43		10	108
		2,4,6-Tribromophenol	150	57.5	38		10	116
		Terphenyl-d14	100	30.6	31		10	109
Q3719-03	SB-1125-11A	2-Fluorophenol	150	82.5	55		10	105
		Phenol-d6	150	85.3	57		10	103
		Nitrobenzene-d5	100	56.6	57		10	108
		2-Fluorobiphenyl	100	56.0	56		10	108
		2,4,6-Tribromophenol	150	75.3	50		10	116
		Terphenyl-d14	100	39.9	40		10	109
Q3719-04	SB-1125-11B	2-Fluorophenol	150	74.2	49		10	105
		Phenol-d6	150	76.7	51		10	103
		Nitrobenzene-d5	100	49.4	49		10	108
		2-Fluorobiphenyl	100	50.7	51		10	108
		2,4,6-Tribromophenol	150	62.4	42		10	116
		Terphenyl-d14	100	39.9	40		10	109
Q3719-05	SB-1125-12A	2-Fluorophenol	150	74.9	50		10	105
		Phenol-d6	150	77.0	51		10	103
		Nitrobenzene-d5	100	55.6	56		10	108
		2-Fluorobiphenyl	100	55.2	55		10	108
		2,4,6-Tribromophenol	150	64.8	43		10	116
		Terphenyl-d14	100	38.6	39		10	109
Q3719-06	SB-1125-12B	2-Fluorophenol	150	79.1	53		10	105
		Phenol-d6	150	80.6	54		10	103
		Nitrobenzene-d5	100	57.7	58		10	108
		2-Fluorobiphenyl	100	53.6	54		10	108
		2,4,6-Tribromophenol	150	62.0	41		10	116
		Terphenyl-d14	100	33.2	33		10	109
Q3719-07	SB-1125-14A	2-Fluorophenol	150	87.5	58		10	105
		Phenol-d6	150	87.2	58		10	103
		Nitrobenzene-d5	100	61.7	62		10	108

Surrogate Summary

SW-846

SDG No.: Q3719

Client: Remington & Vernick

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
Q3719-07	SB-1125-14A	2-Fluorobiphenyl	100	65.6	66		10	108
		2,4,6-Tribromophenol	150	73.0	49		10	116
		Terphenyl-d14	100	45.1	45		10	109
Q3719-08	SB-1125-14B	2-Fluorophenol	150	82.8	55		10	105
		Phenol-d6	150	83.9	56		10	103
		Nitrobenzene-d5	100	58.9	59		10	108
Q3719-09	SB-1125-15A	2-Fluorobiphenyl	100	63.6	64		10	108
		2,4,6-Tribromophenol	150	70.7	47		10	116
		Terphenyl-d14	100	44.8	45		10	109
Q3719-10	SB-1125-15B	2-Fluorophenol	150	73.0	49		10	105
		Phenol-d6	150	73.2	49		10	103
		Nitrobenzene-d5	100	49.7	50		10	108
Q3719-10MS	SB-1125-15BMS	2-Fluorobiphenyl	100	48.6	49		10	108
		2,4,6-Tribromophenol	150	57.9	39		10	116
		Terphenyl-d14	100	33.0	33		10	109
Q3719-10MSD	SB-1125-15BMSD	2-Fluorophenol	150	68.9	46		10	105
		Phenol-d6	150	65.3	44		10	103
		Nitrobenzene-d5	100	46.4	46		10	108
Q3719-11	SB-1125-16A	2-Fluorobiphenyl	100	48.3	48		10	108
		2,4,6-Tribromophenol	150	70.5	47		10	116
		Terphenyl-d14	100	44.3	44		10	109
Q3719-12	SB-1125-16B	2-Fluorophenol	150	63.6	42		10	105
		Phenol-d6	150	63.1	42		10	103
		Nitrobenzene-d5	100	42.7	43		10	108
Q3719-13	SB-1125-17A	2-Fluorobiphenyl	100	41.8	42		10	108
		2,4,6-Tribromophenol	150	65.1	43		10	116
		Terphenyl-d14	100	44.4	44		10	109
Q3719-13	SB-1125-17A	2-Fluorophenol	150	62.3	42		10	105
		Phenol-d6	150	60.3	40		10	103
		Nitrobenzene-d5	100	42.9	43		10	108
Q3719-13	SB-1125-17A	2-Fluorobiphenyl	100	43.2	43		10	108
		2,4,6-Tribromophenol	150	60.3	40		10	116
		Terphenyl-d14	100	40.4	40		10	109
Q3719-13	SB-1125-17A	2-Fluorophenol	150	91.7	61		10	105
		Phenol-d6	150	88.5	59		10	103
		Nitrobenzene-d5	100	62.8	63		10	108
Q3719-13	SB-1125-17A	2-Fluorobiphenyl	100	59.6	60		10	108
		2,4,6-Tribromophenol	150	74.7	50		10	116
		Terphenyl-d14	100	41.8	42		10	109
Q3719-13	SB-1125-17A	2-Fluorophenol	150	79.5	53		10	105
		Phenol-d6	150	78.7	52		10	103
		Nitrobenzene-d5	100	55.4	55		10	108
Q3719-13	SB-1125-17A	2-Fluorobiphenyl	100	56.2	56		10	108
		2,4,6-Tribromophenol	150	61.7	41		10	116
		Terphenyl-d14	100	37.7	38		10	109
Q3719-13	SB-1125-17A	2-Fluorophenol	150	78.9	53		10	105
		Phenol-d6	150	78.1	52		10	103
		Nitrobenzene-d5	100	54.4	54		10	108
Q3719-13	SB-1125-17A	2-Fluorobiphenyl	100	51.4	51		10	108
		2,4,6-Tribromophenol	150	76.1	51		10	116
		Terphenyl-d14	100	53.6	54		10	109

Surrogate Summary

SW-846

SDG No.: Q3719

Client: Remington & Vernick

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
Q3719-14	SB-1125-17B	2-Fluorophenol	150	49.6	33		10	105
		Phenol-d6	150	50.7	34		10	103
		Nitrobenzene-d5	100	33.3	33		10	108
		2-Fluorobiphenyl	100	37.6	38		10	108
		2,4,6-Tribromophenol	150	40.8	27		10	116
		Terphenyl-d14	100	32.0	32		10	109

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3719

Analytical Method: SW8270E

Client: Remington & Vernick

DataFile: BP026201.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	Q3719-10MS	Client Sample ID:	SB-1125-15BMS								
Benzaldehyde	1900	0	1200	ug/Kg	63				20	111	
Phenol	1900	0	1700	ug/Kg	89				51	122	
bis(2-Chloroethyl)ether	1900	0	1700	ug/Kg	89				67	110	
2-Chlorophenol	1900	0	1800	ug/Kg	95				67	119	
2-Methylphenol	1900	0	1700	ug/Kg	89				68	116	
2,2-oxybis(1-Chloropropane)	1900	0	1700	ug/Kg	89				59	113	
Acetophenone	1900	0	1800	ug/Kg	95				55	128	
3+4-Methylphenols	1900	0	1700	ug/Kg	89				70	111	
N-Nitroso-di-n-propylamine	1900	0	1600	ug/Kg	84				59	119	
Hexachloroethane	1900	0	1800	ug/Kg	95				65	115	
Nitrobenzene	1900	0	1800	ug/Kg	95				66	120	
Isophorone	1900	0	1700	ug/Kg	89				67	113	
2-Nitrophenol	1900	0	1800	ug/Kg	95				69	135	
2,4-Dimethylphenol	1900	0	1800	ug/Kg	95				63	151	
bis(2-Chloroethoxy)methane	1900	0	1700	ug/Kg	89				70	112	
2,4-Dichlorophenol	1900	0	1800	ug/Kg	95				70	121	
Naphthalene	1900	0	1700	ug/Kg	89				66	113	
4-Chloroaniline	1900	0	760	ug/Kg	40				10	100	
Hexachlorobutadiene	1900	0	1800	ug/Kg	95				67	118	
Caprolactam	1900	0	1700	ug/Kg	89				51	134	
4-Chloro-3-methylphenol	1900	0	1800	ug/Kg	95				71	118	
2-Methylnaphthalene	1900	0	1600	ug/Kg	84				59	123	
Hexachlorocyclopentadiene	3700	0	3500	ug/Kg	95				16	175	
2,4,6-Trichlorophenol	1900	0	1900	ug/Kg	100				67	128	
2,4,5-Trichlorophenol	1900	0	1900	ug/Kg	100				69	123	
1,1-Biphenyl	1900	0	1800	ug/Kg	95				69	126	
2-Chloronaphthalene	1900	0	1800	ug/Kg	95				71	113	
2-Nitroaniline	1900	0	1800	ug/Kg	95				73	125	
Dimethylphthalate	1900	0	1800	ug/Kg	95				72	116	
Acenaphthylene	1900	0	1800	ug/Kg	95				69	128	
2,6-Dinitrotoluene	1900	0	2000	ug/Kg	105				67	141	
3-Nitroaniline	1900	0	1100	ug/Kg	58				28	102	
Acenaphthene	1900	0	1800	ug/Kg	95				70	121	
2,4-Dinitrophenol	3700	0	4000	ug/Kg	108				10	164	
4-Nitrophenol	3700	0	3400	ug/Kg	92				49	133	
Dibenzofuran	1900	0	1800	ug/Kg	95				71	111	
2,4-Dinitrotoluene	1900	0	1900	ug/Kg	100				73	130	
Diethylphthalate	1900	140	1900	ug/Kg	93				73	116	
4-Chlorophenyl-phenylether	1900	0	1800	ug/Kg	95				72	112	
Fluorene	1900	0	1800	ug/Kg	95				67	114	
4-Nitroaniline	1900	0	1600	ug/Kg	84				61	128	
4,6-Dinitro-2-methylphenol	1900	0	1900	ug/Kg	100				25	163	
N-Nitrosodiphenylamine	1900	0	1900	ug/Kg	100				73	118	
4-Bromophenyl-phenylether	1900	0	1900	ug/Kg	100				65	121	
Hexachlorobenzene	1900	0	1900	ug/Kg	100				67	118	
Atrazine	1900	0	1900	ug/Kg	100				79	127	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3719

Analytical Method: SW8270E

Client: Remington & Vernick

DataFile: BP026201.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Pentachlorophenol	3700	0	3800	ug/Kg	103				39	145	
Phenanthrene	1900	0	1900	ug/Kg	100				52	128	
Anthracene	1900	0	1900	ug/Kg	100				62	124	
Carbazole	1900	0	1800	ug/Kg	95				73	115	
Di-n-butylphthalate	1900	0	1900	ug/Kg	100				72	129	
Fluoranthene	1900	97.3	1900	ug/Kg	95				31	152	
Pyrene	1900	74.7	2000	ug/Kg	101				37	122	
Butylbenzylphthalate	1900	0	1900	ug/Kg	100				59	151	
3,3-Dichlorobenzidine	1900	0	1200	ug/Kg	63				10	116	
Benzo(a)anthracene	1900	0	1900	ug/Kg	100				53	119	
Chrysene	1900	0	1800	ug/Kg	95				57	121	
bis(2-Ethylhexyl)phthalate	1900	0	1800	ug/Kg	95				64	139	
Di-n-octyl phthalate	1900	0	1800	ug/Kg	95				51	156	
Benzo(b)fluoranthene	1900	0	1900	ug/Kg	100				52	117	
Benzo(k)fluoranthene	1900	0	1900	ug/Kg	100				57	134	
Benzo(a)pyrene	1900	0	2000	ug/Kg	105				70	142	
Indeno(1,2,3-cd)pyrene	1900	0	1900	ug/Kg	100				48	129	
Dibenz(a,h)anthracene	1900	0	1900	ug/Kg	100				43	123	
Benzo(g,h,i)perylene	1900	0	1900	ug/Kg	100				40	133	
1,2,4,5-Tetrachlorobenzene	1900	0	1900	ug/Kg	100				65	132	
1,4-Dioxane	1900	0	1600	ug/Kg	84				46	112	
2,3,4,6-Tetrachlorophenol	1900	0	2000	ug/Kg	105				56	141	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3719

Analytical Method: SW8270E

Client: Remington & Vernick

DataFile: BP026202.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: Q3719-10MSD		Client Sample ID: SB-1125-15BMSD									
Benzaldehyde	1900	0	1200	ug/Kg	63	0			20	111	20
Phenol	1900	0	1700	ug/Kg	89	0			51	122	20
bis(2-Chloroethyl)ether	1900	0	1700	ug/Kg	89	0			67	110	20
2-Chlorophenol	1900	0	1700	ug/Kg	89	7			67	119	20
2-Methylphenol	1900	0	1700	ug/Kg	89	0			68	116	20
2,2-oxybis(1-Chloropropane)	1900	0	1700	ug/Kg	89	0			59	113	20
Acetophenone	1900	0	1800	ug/Kg	95	0			55	128	20
3+4-Methylphenols	1900	0	1600	ug/Kg	84	6			70	111	20
N-Nitroso-di-n-propylamine	1900	0	1600	ug/Kg	84	0			59	119	20
Hexachloroethane	1900	0	1800	ug/Kg	95	0			65	115	20
Nitrobenzene	1900	0	1800	ug/Kg	95	0			66	120	20
Isophorone	1900	0	1700	ug/Kg	89	0			67	113	20
2-Nitrophenol	1900	0	1800	ug/Kg	95	0			69	135	16
2,4-Dimethylphenol	1900	0	1700	ug/Kg	89	7			63	151	20
bis(2-Chloroethoxy)methane	1900	0	1700	ug/Kg	89	0			70	112	20
2,4-Dichlorophenol	1900	0	1800	ug/Kg	95	0			70	121	20
Naphthalene	1900	0	1700	ug/Kg	89	0			66	113	20
4-Chloroaniline	1900	0	790	ug/Kg	42	5			10	100	25
Hexachlorobutadiene	1900	0	1900	ug/Kg	100	5			67	118	16
Caprolactam	1900	0	1500	ug/Kg	79	12			51	134	25
4-Chloro-3-methylphenol	1900	0	1600	ug/Kg	84	12			71	118	20
2-Methylnaphthalene	1900	0	1500	ug/Kg	79	6			59	123	20
Hexachlorocyclopentadiene	3700	0	3800	ug/Kg	103	8			16	175	20
2,4,6-Trichlorophenol	1900	0	1900	ug/Kg	100	0			67	128	16
2,4,5-Trichlorophenol	1900	0	1800	ug/Kg	95	5			69	123	16
1,1-Biphenyl	1900	0	1900	ug/Kg	100	5			69	126	20
2-Chloronaphthalene	1900	0	1800	ug/Kg	95	0			71	113	20
2-Nitroaniline	1900	0	1800	ug/Kg	95	0			73	125	16
Dimethylphthalate	1900	0	1700	ug/Kg	89	7			72	116	20
Acenaphthylene	1900	0	1800	ug/Kg	95	0			69	128	15
2,6-Dinitrotoluene	1900	0	1900	ug/Kg	100	5			67	141	20
3-Nitroaniline	1900	0	1000	ug/Kg	53	9			28	102	20
Acenaphthene	1900	0	1800	ug/Kg	95	0			70	121	16
2,4-Dinitrophenol	3700	0	3600	ug/Kg	97	11			10	164	30
4-Nitrophenol	3700	0	3200	ug/Kg	86	7			49	133	20
Dibenzofuran	1900	0	1800	ug/Kg	95	0			71	111	20
2,4-Dinitrotoluene	1900	0	1700	ug/Kg	89	12			73	130	20
Diethylphthalate	1900	140	1800	ug/Kg	87	7			73	116	20
4-Chlorophenyl-phenylether	1900	0	1800	ug/Kg	95	0			72	112	20
Fluorene	1900	0	1800	ug/Kg	95	0			67	114	20
4-Nitroaniline	1900	0	1400	ug/Kg	74	13			61	128	20
4,6-Dinitro-2-methylphenol	1900	0	1800	ug/Kg	95	5			25	163	30
N-Nitrosodiphenylamine	1900	0	1900	ug/Kg	100	0			73	118	20
4-Bromophenyl-phenylether	1900	0	1900	ug/Kg	100	0			65	121	20
Hexachlorobenzene	1900	0	1900	ug/Kg	100	0			67	118	20
Atrazine	1900	0	1800	ug/Kg	95	5			79	127	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3719

Analytical Method: SW8270E

Client: Remington & Vernick

DataFile: BP026202.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Pentachlorophenol	3700	0	3700	ug/Kg	100		3		39	145	20
Phenanthrene	1900	0	1900	ug/Kg	100		0		52	128	20
Anthracene	1900	0	1800	ug/Kg	95		5		62	124	20
Carbazole	1900	0	1800	ug/Kg	95		0		73	115	20
Di-n-butylphthalate	1900	0	1900	ug/Kg	100		0		72	129	20
Fluoranthene	1900	97.3	1900	ug/Kg	95		0		31	152	20
Pyrene	1900	74.7	1800	ug/Kg	91		10		37	122	27
Butylbenzylphthalate	1900	0	1800	ug/Kg	95		5		59	151	20
3,3-Dichlorobenzidine	1900	0	1300	ug/Kg	68		8		10	116	20
Benzo(a)anthracene	1900	0	1900	ug/Kg	100		0		53	119	20
Chrysene	1900	0	1900	ug/Kg	100		5		57	121	20
bis(2-Ethylhexyl)phthalate	1900	0	1800	ug/Kg	95		0		64	139	20
Di-n-octyl phthalate	1900	0	1800	ug/Kg	95		0		51	156	20
Benzo(b)fluoranthene	1900	0	1900	ug/Kg	100		0		52	117	20
Benzo(k)fluoranthene	1900	0	1900	ug/Kg	100		0		57	134	20
Benzo(a)pyrene	1900	0	1900	ug/Kg	100		5		70	142	20
Indeno(1,2,3-cd)pyrene	1900	0	1900	ug/Kg	100		0		48	129	20
Dibenz(a,h)anthracene	1900	0	1900	ug/Kg	100		0		43	123	20
Benzo(g,h,i)perylene	1900	0	1900	ug/Kg	100		0		40	133	20
1,2,4,5-Tetrachlorobenzene	1900	0	2000	ug/Kg	105		5		65	132	20
1,4-Dioxane	1900	0	1600	ug/Kg	84		0		46	112	20
2,3,4,6-Tetrachlorophenol	1900	0	1800	ug/Kg	95		10		56	141	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3719

Analytical Method:

8270E

Client: Remington & Vernick

DataFile:

BF144360.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB170735BS	Benzaldehyde	1700	1600	ug/Kg	94				10	133	
	Phenol	1700	1300	ug/Kg	76				62	112	
	bis(2-Chloroethyl)ether	1700	1500	ug/Kg	88				60	101	
	2-Chlorophenol	1700	1500	ug/Kg	88				65	112	
	2-Methylphenol	1700	1400	ug/Kg	82				74	105	
	2,2-oxybis(1-Chloropropane)	1700	1500	ug/Kg	88				51	100	
	Acetophenone	1700	1500	ug/Kg	88				66	98	
	3+4-Methylphenols	1700	1400	ug/Kg	82				58	111	
	N-Nitroso-di-n-propylamine	1700	1400	ug/Kg	82				63	95	
	Hexachloroethane	1700	1400	ug/Kg	82				72	108	
	Nitrobenzene	1700	1400	ug/Kg	82				75	100	
	Isophorone	1700	1500	ug/Kg	88				59	99	
	2-Nitrophenol	1700	1500	ug/Kg	88				75	113	
	2,4-Dimethylphenol	1700	1600	ug/Kg	94				61	130	
	bis(2-Chloroethoxy)methane	1700	1500	ug/Kg	88				66	97	
	2,4-Dichlorophenol	1700	1400	ug/Kg	82				62	107	
	Naphthalene	1700	1400	ug/Kg	82				62	100	
	4-Chloroaniline	1700	860	ug/Kg	51				16	100	
	Hexachlorobutadiene	1700	1300	ug/Kg	76				68	108	
	Caprolactam	1700	1500	ug/Kg	88				67	110	
	4-Chloro-3-methylphenol	1700	1400	ug/Kg	82				74	106	
	2-Methylnaphthalene	1700	1300	ug/Kg	76				60	104	
	Hexachlorocyclopentadiene	3300	2500	ug/Kg	76				45	165	
	2,4,6-Trichlorophenol	1700	1400	ug/Kg	82				59	102	
	2,4,5-Trichlorophenol	1700	1300	ug/Kg	76				74	110	
	1,1-Biphenyl	1700	1600	ug/Kg	94				71	110	
	2-Chloronaphthalene	1700	1400	ug/Kg	82				70	103	
	2-Nitroaniline	1700	1400	ug/Kg	82				66	101	
	Dimethylphthalate	1700	1500	ug/Kg	88				76	101	
	Acenaphthylene	1700	1600	ug/Kg	94				76	111	
	2,6-Dinitrotoluene	1700	1500	ug/Kg	88				78	116	
	3-Nitroaniline	1700	1100	ug/Kg	65				28	100	
	Acenaphthene	1700	1300	ug/Kg	76				73	105	
	2,4-Dinitrophenol	3300	2600	ug/Kg	79				59	137	
	4-Nitrophenol	3300	2100	ug/Kg	64				60	124	
	Dibenzofuran	1700	1400	ug/Kg	82				63	99	
	2,4-Dinitrotoluene	1700	1400	ug/Kg	82				78	115	
	Diethylphthalate	1700	1400	ug/Kg	82				76	104	
	4-Chlorophenyl-phenylether	1700	1300	ug/Kg	76				73	101	
	Fluorene	1700	1400	ug/Kg	82				75	99	
	4-Nitroaniline	1700	1300	ug/Kg	76				64	103	
	4,6-Dinitro-2-methylphenol	1700	1400	ug/Kg	82				76	113	
	N-Nitrosodiphenylamine	1700	1500	ug/Kg	88				71	99	
	4-Bromophenyl-phenylether	1700	1400	ug/Kg	82				66	102	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: <u>Q3719</u>	Analytical Method: <u>8270E</u>
Client: <u>Remington & Vernick</u>	DataFile: <u>BF144360.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB170735BS	Hexachlorobenzene	1700	1400	ug/Kg	82				64	98	
	Atrazine	1700	1500	ug/Kg	88				71	122	
	Pentachlorophenol	3300	2700	ug/Kg	82				56	129	
	Phenanthrene	1700	1400	ug/Kg	82				75	100	
	Anthracene	1700	1400	ug/Kg	82				75	103	
	Carbazole	1700	1400	ug/Kg	82				76	103	
	Di-n-butylphthalate	1700	1500	ug/Kg	88				76	110	
	Fluoranthene	1700	1400	ug/Kg	82				73	105	
	Pyrene	1700	1400	ug/Kg	82				59	103	
	Butylbenzylphthalate	1700	1500	ug/Kg	88				75	120	
	3,3-Dichlorobenzidine	1700	1200	ug/Kg	71				31	94	
	Benzo(a)anthracene	1700	1500	ug/Kg	88				75	104	
	Chrysene	1700	1400	ug/Kg	82				75	103	
	bis(2-Ethylhexyl)phthalate	1700	1600	ug/Kg	94				77	113	
	Di-n-octyl phthalate	1700	1700	ug/Kg	100				76	110	
	Benzo(b)fluoranthene	1700	1800	ug/Kg	106				62	109	
	Benzo(k)fluoranthene	1700	1500	ug/Kg	88				75	108	
	Benzo(a)pyrene	1700	1700	ug/Kg	100				79	109	
	Indeno(1,2,3-cd)pyrene	1700	1500	ug/Kg	88				63	101	
	Dibenz(a,h)anthracene	1700	1600	ug/Kg	94				61	112	
	Benzo(g,h,i)perylene	1700	1600	ug/Kg	94				70	108	
	1,2,4,5-Tetrachlorobenzene	1700	1500	ug/Kg	88				53	101	
	1,4-Dioxane	1700	1300	ug/Kg	76				50	96	
	2,3,4,6-Tetrachlorophenol	1700	1400	ug/Kg	82				71	118	

4B

SEMIVOLATILE METHOD BLANK SUMMARY

Client ID

PB170735BL

Lab Name: Alliance

Contract: REMI01

Lab Code: ACE

SDG NO.: Q3719

Lab File ID: BF144359.D

Lab Sample ID: PB170735BL

Instrument ID: BNA_F

Date Extracted: 11/25/2025

Matrix: (soil/water) SOIL

Date Analyzed: 11/26/2025

Level: (low/med) LOW

Time Analyzed: 14:00

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB170735BS	PB170735BS	BF144360.D	11/26/2025
SB-1125-10A	Q3719-01	BF144363.D	11/26/2025
SB-1125-10B	Q3719-02	BF144364.D	11/26/2025
SB-1125-11A	Q3719-03	BF144365.D	11/26/2025
SB-1125-11B	Q3719-04	BF144366.D	11/26/2025
SB-1125-12A	Q3719-05	BF144367.D	11/26/2025
SB-1125-12B	Q3719-06	BF144368.D	11/26/2025
SB-1125-14A	Q3719-07	BF144369.D	11/26/2025
SB-1125-14B	Q3719-08	BF144370.D	11/26/2025
SB-1125-15A	Q3719-09	BF144371.D	11/26/2025
SB-1125-16B	Q3719-12	BF144375.D	11/26/2025
SB-1125-16A	Q3719-11	BF144388.D	12/01/2025
SB-1125-17B	Q3719-14	BF144395.D	12/01/2025
SB-1125-17A	Q3719-13	BF144413.D	12/02/2025
SB-1125-15BMS	Q3719-10MS	BP026201.D	12/01/2025
SB-1125-15BMSD	Q3719-10MSD	BP026202.D	12/01/2025
SB-1125-15B	Q3719-10	BP026203.D	12/01/2025

COMMENTS: _____

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: BF144168.D
Instrument ID: BNA_F

Contract: REMI01
SDG NO.: Q3719
DFTPP Injection Date: 11/05/2025
DFTPP Injection Time: 12:21

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.4 (1.8) 1
69	Mass 69 relative abundance	24.5
70	Less than 2.0% of mass 69	0.1 (0.6) 1
197	Less than 2.0% of mass 198	0.2
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	5.2
365	Greater than 1% of mass 198	2.6
441	Present, but less than mass 443	15.9
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.3 (19.3) 2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BF144169.D	11/05/2025	12:50
SSTDICC005	SSTDICC005	BF144170.D	11/05/2025	13:20
SSTDICC010	SSTDICC010	BF144171.D	11/05/2025	13:50
SSTDICC020	SSTDICC020	BF144172.D	11/05/2025	14:20
SSTDICCC040	SSTDICCC040	BF144173.D	11/05/2025	14:50
SSTDICC050	SSTDICC050	BF144174.D	11/05/2025	15:49
SSTDICC060	SSTDICC060	BF144175.D	11/05/2025	16:19
SSTDICC080	SSTDICC080	BF144176.D	11/05/2025	16:49

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: BF144357.D
Instrument ID: BNA_F

Contract: REMI01
SDG NO.: Q3719
DFTPP Injection Date: 11/26/2025
DFTPP Injection Time: 13:00

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.5 (1.9) 1
69	Mass 69 relative abundance	27.1
70	Less than 2.0% of mass 69	0.2 (0.8) 1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	5.3
365	Greater than 1% of mass 198	2.7
441	Present, but less than mass 443	16.6
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.2 (19.2) 2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF144358.D	11/26/2025	13:30
PB170735BL	PB170735BL	BF144359.D	11/26/2025	14:00
PB170735BS	PB170735BS	BF144360.D	11/26/2025	14:30
SB-1125-10A	Q3719-01	BF144363.D	11/26/2025	16:11
SB-1125-10B	Q3719-02	BF144364.D	11/26/2025	16:42
SB-1125-11A	Q3719-03	BF144365.D	11/26/2025	17:12
SB-1125-11B	Q3719-04	BF144366.D	11/26/2025	17:42
SB-1125-12A	Q3719-05	BF144367.D	11/26/2025	18:12
SB-1125-12B	Q3719-06	BF144368.D	11/26/2025	18:42
SB-1125-14A	Q3719-07	BF144369.D	11/26/2025	19:13
SB-1125-14B	Q3719-08	BF144370.D	11/26/2025	19:43
SB-1125-15A	Q3719-09	BF144371.D	11/26/2025	20:13
SB-1125-16B	Q3719-12	BF144375.D	11/26/2025	22:13

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: BF144381.D
Instrument ID: BNA_F

Contract: REMI01
SDG NO.: Q3719
DFTPP Injection Date: 12/01/2025
DFTPP Injection Time: 12:12

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.3 (1.2) 1
69	Mass 69 relative abundance	20.8
70	Less than 2.0% of mass 69	0.0 (0.0) 1
197	Less than 2.0% of mass 198	0.1
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	4.7
365	Greater than 1% of mass 198	2.6
441	Present, but less than mass 443	15.4
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	18 (18) 2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF144382.D	12/01/2025	12:41
SB-1125-16A	Q3719-11	BF144388.D	12/01/2025	15:45
SB-1125-17B	Q3719-14	BF144395.D	12/01/2025	19:11

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: BF144397.D
Instrument ID: BNA_F

Contract: REMI01
SDG NO.: Q3719
DFTPP Injection Date: 12/02/2025
DFTPP Injection Time: 10:31

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.3 (1.5) 1
69	Mass 69 relative abundance	19.2
70	Less than 2.0% of mass 69	0.2 (1.1) 1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	4.3
365	Greater than 1% of mass 198	2.6
441	Present, but less than mass 443	16.1
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19 (19) 2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF144398.D	12/02/2025	11:00
SB-1125-17A	Q3719-13	BF144413.D	12/02/2025	20:18

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: BP026142.D
Instrument ID: BNA_P

Contract: REMI01
SDG NO.: Q3719
DFTPP Injection Date: 11/18/2025
DFTPP Injection Time: 13:45

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.5 (1.6) 1
69	Mass 69 relative abundance	30.9
70	Less than 2.0% of mass 69	0.1 (0.4) 1
197	Less than 2.0% of mass 198	0.1
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
365	Greater than 1% of mass 198	3.6
441	Present, but less than mass 443	13.6
442	Greater than 50% of mass 198	88.7
443	15.0 - 24.0% of mass 442	17.3 (19.5) 2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BP026143.D	11/18/2025	14:31
SSTDICC005	SSTDICC005	BP026144.D	11/18/2025	15:12
SSTDICC010	SSTDICC010	BP026145.D	11/18/2025	15:54
SSTDICC020	SSTDICC020	BP026146.D	11/18/2025	16:35
SSTDICCC040	SSTDICCC040	BP026147.D	11/18/2025	17:57
SSTDICC050	SSTDICC050	BP026148.D	11/18/2025	18:38
SSTDICC060	SSTDICC060	BP026149.D	11/18/2025	20:00
SSTDICC080	SSTDICC080	BP026150.D	11/18/2025	21:22

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: BP026196.D
Instrument ID: BNA_P

Contract: REMI01
SDG NO.: Q3719
DFTPP Injection Date: 12/01/2025
DFTPP Injection Time: 12:48

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.6 (1.8) 1
69	Mass 69 relative abundance	31
70	Less than 2.0% of mass 69	0.1 (0.4) 1
197	Less than 2.0% of mass 198	0.2
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.9
365	Greater than 1% of mass 198	3.7
441	Present, but less than mass 443	13.2
442	Greater than 50% of mass 198	85.8
443	15.0 - 24.0% of mass 442	17 (19.8) 2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BP026197.D	12/01/2025	14:09
SB-1125-15BMS	Q3719-10MS	BP026201.D	12/01/2025	17:51
SB-1125-15BMSD	Q3719-10MSD	BP026202.D	12/01/2025	18:40
SB-1125-15B	Q3719-10	BP026203.D	12/01/2025	19:21

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q3719

Client ID : SSTDCCC040

Date Analyzed: 11/26/2025

Lab File ID: BF144358.D

Time Analyzed: 13:30

Instrument ID: BNA_F

GC Column: DB-UI ID: 0.18 (mm)

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	61998	6.863	227764	8.15	130458	9.90
UPPER LIMIT	123996	7.363	455528	8.645	260916	10.404
LOWER LIMIT	30999	6.363	113882	7.645	65229	9.404
EPA SAMPLE NO.						
01 SB-1125-12B	51725	6.86	197457	8.15	101915	9.90
02 SB-1125-14A	52766	6.86	194377	8.15	98091	9.90
03 SB-1125-14B	55532	6.86	197185	8.14	101598	9.90
04 SB-1125-15A	55771	6.86	208342	8.15	106207	9.90
05 SB-1125-16B	57782	6.86	213615	8.15	107143	9.90
06 PB170735BL	62889	6.86	250119	8.14	143140	9.90
07 PB170735BS	62512	6.86	243072	8.15	133431	9.90
08 SB-1125-10A	56003	6.86	212654	8.15	113982	9.90
09 SB-1125-10B	62995	6.86	238733	8.14	129698	9.90
10 SB-1125-11A	56499	6.86	215321	8.15	115085	9.90
11 SB-1125-11B	54876	6.86	211741	8.15	115910	9.90
12 SB-1125-12A	55725	6.86	204609	8.15	104861	9.90

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q3719

Client ID: SSTDCCC040

Date Analyzed: 11/26/2025

Lab File ID: BF144358.D

Time Analyzed: 13:30

Instrument ID: BNA_F

GC Column: DB-UI ID: 0.18 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	228211	11.392	137488	14.045	181907	15.521
	UPPER LIMIT	456422	11.892	274976	14.545	363814	16.021
	LOWER LIMIT	114106	10.892	68744	13.545	90953.5	15.021
	EPA SAMPLE NO.						
01	SB-1125-12B	153449	11.39	134244	14.04	160199	15.52
02	SB-1125-14A	144935	11.39	134586	14.04	161855	15.52
03	SB-1125-14B	149191	11.39	136224	14.04	168122	15.52
04	SB-1125-15A	155107	11.39	141509	14.04	167558	15.52
05	SB-1125-16B	152030	11.39	152288	14.04	178501	15.52
06	PB170735BL	260449	11.39	152468	14.04	186363	15.52
07	PB170735BS	215808	11.39	134794	14.05	165299	15.52
08	SB-1125-10A	182608	11.39	130422	14.04	170948	15.52
09	SB-1125-10B	196600	11.39	148954	14.04	194636	15.52
10	SB-1125-11A	175885	11.39	134346	14.04	175772	15.52
11	SB-1125-11B	179392	11.39	133511	14.04	179241	15.52
12	SB-1125-12A	152442	11.39	133155	14.04	168994	15.53

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q3719

Client ID : SSTDCCC040

Date Analyzed: 12/01/2025

Lab File ID: BF144382.D

Time Analyzed: 12:41

Instrument ID: BNA_F

GC Column: DB-UI ID: 0.18 (mm)

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	58717	6.863	221118	8.15	119295	9.90
UPPER LIMIT	117434	7.363	442236	8.645	238590	10.404
LOWER LIMIT	29358.5	6.363	110559	7.645	59647.5	9.404
EPA SAMPLE NO.						
01 SB-1125-16A	47886	6.86	176365	8.15	87150	9.90
02 SB-1125-17B	64196	6.86	226428	8.15	117202	9.90

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q3719

Client ID: SSTDCCC040

Date Analyzed: 12/01/2025

Lab File ID: BF144382.D

Time Analyzed: 12:41

Instrument ID: BNA_F

GC Column: DB-UI ID: 0.18 (mm)

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	191565	11.398	137289	14.045	182291	15.527
UPPER LIMIT	383130	11.898	274578	14.545	364582	16.027
LOWER LIMIT	95782.5	10.898	68644.5	13.545	91145.5	15.027
EPA SAMPLE NO.						
01 SB-1125-16A	137127	11.39	130274	14.05	154506	15.53
02 SB-1125-17B	208690	11.39	174001	14.05	135181	15.53

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q3719

Client ID : SSTDCCC040

Date Analyzed: 12/02/2025

Lab File ID: BF144398.D

Time Analyzed: 11:00

Instrument ID: BNA_F

GC Column: DB-UI ID: 0.18 (mm)

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	57181	6.863	207500	8.15	104779	9.90
UPPER LIMIT	114362	7.363	415000	8.645	209558	10.404
LOWER LIMIT	28590.5	6.363	103750	7.645	52389.5	9.404
EPA SAMPLE NO.						
01 SB-1125-17A	38060	6.86	134068	8.15	71503	9.90

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q3719

Client ID: SSTDCCC040

Date Analyzed: 12/02/2025

Lab File ID: BF144398.D

Time Analyzed: 11:00

Instrument ID: BNA_F

GC Column: DB-UI ID: 0.18 (mm)

01

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	165068	11.398	133342	14.051	190533	15.533
UPPER LIMIT	330136	11.898	266684	14.551	381066	16.033
LOWER LIMIT	82534	10.898	66671	13.551	95266.5	15.033
EPA SAMPLE NO.						
SB-1125-17A	142069	11.39	101218	14.05	83845 *	15.53

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q3719

Client ID : SSTDCCC040

Date Analyzed: 12/01/2025

Lab File ID: BP026197.D

Time Analyzed: 14:09

Instrument ID: BNA_P

GC Column: ZB-GR ID: 0.25 (mm)

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	271172	7.66	1093510	10.43	683760	14.29
UPPER LIMIT	542344	8.16	2187020	10.925	1367520	14.789
LOWER LIMIT	135586	7.16	546755	9.925	341880	13.789
EPA SAMPLE NO.						
01 SB-1125-15BMS	233034	7.66	911777	10.41	569978	14.29
02 SB-1125-15B	219787	7.66	815242	10.43	475411	14.28
03 SB-1125-15BMSD	222842	7.64	845732	10.40	491065	14.28

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q3719

Client ID: SSTDCCC040

Date Analyzed: 12/01/2025

Lab File ID: BP026197.D

Time Analyzed: 14:09

Instrument ID: BNA_P

GC Column: ZB-GR ID: 0.25 (mm)

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	1350550	17.101	1519760	21.542	1717380	24.83
UPPER LIMIT	2701100	17.601	3039520	22.042	3434760	25.33
LOWER LIMIT	675275	16.601	759880	21.042	858690	24.33
EPA SAMPLE NO.						
01 SB-1125-15BMS	1129940	17.10	1151090	21.54	1323410	24.83
02 SB-1125-15B	944258	17.10	1177870	21.54	1392130	24.83
03 SB-1125-15BMSD	902556	17.10	1043300	21.54	1293510	24.82

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.



QC SAMPLE DATA



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Remington & Vernick		Date Collected:	
Project:	Saddler Property		Date Received:	
Client Sample ID:	PB170735BL		SDG No.:	Q3719
Lab Sample ID:	PB170735BL		Matrix:	SOIL
Analytical Method:	8270E	Level: LOW	% Solid:	100
Sample Wt/Vol:	30.01 g	Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Prep Date: 11/25/2015		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	160	U	1	160	330	ug/Kg	11/26/25 14:00	PB170735
108-95-2	Phenol	22.1	U	1	22.1	170	ug/Kg	11/26/25 14:00	PB170735
111-44-4	bis(2-Chloroethyl)ether	24.3	U	1	24.3	170	ug/Kg	11/26/25 14:00	PB170735
95-57-8	2-Chlorophenol	24.4	U	1	24.4	170	ug/Kg	11/26/25 14:00	PB170735
95-48-7	2-Methylphenol	29.9	U	1	29.9	170	ug/Kg	11/26/25 14:00	PB170735
108-60-1	2,2-oxybis(1-Chloropropane)	37.5	U	1	37.5	170	ug/Kg	11/26/25 14:00	PB170735
98-86-2	Acetophenone	29.5	U	1	29.5	170	ug/Kg	11/26/25 14:00	PB170735
65794-96-9	3+4-Methylphenols	41.1	U	1	41.1	330	ug/Kg	11/26/25 14:00	PB170735
621-64-7	n-Nitroso-di-n-propylamine	47.4	U	1	47.4	80.0	ug/Kg	11/26/25 14:00	PB170735
67-72-1	Hexachloroethane	17.6	U	1	17.6	170	ug/Kg	11/26/25 14:00	PB170735
98-95-3	Nitrobenzene	18.3	U	1	18.3	170	ug/Kg	11/26/25 14:00	PB170735
78-59-1	Isophorone	32.8	U	1	32.8	170	ug/Kg	11/26/25 14:00	PB170735
88-75-5	2-Nitrophenol	58.2	U	1	58.2	170	ug/Kg	11/26/25 14:00	PB170735
105-67-9	2,4-Dimethylphenol	64.8	U	1	64.8	170	ug/Kg	11/26/25 14:00	PB170735
111-91-1	bis(2-Chloroethoxy)methane	30.8	U	1	30.8	170	ug/Kg	11/26/25 14:00	PB170735
120-83-2	2,4-Dichlorophenol	28.3	U	1	28.3	170	ug/Kg	11/26/25 14:00	PB170735
91-20-3	Naphthalene	22.7	U	1	22.7	170	ug/Kg	11/26/25 14:00	PB170735
106-47-8	4-Chloroaniline	35.4	U	1	35.4	170	ug/Kg	11/26/25 14:00	PB170735
87-68-3	Hexachlorobutadiene	25.3	U	1	25.3	170	ug/Kg	11/26/25 14:00	PB170735
105-60-2	Caprolactam	52.1	U	1	52.1	330	ug/Kg	11/26/25 14:00	PB170735
59-50-7	4-Chloro-3-methylphenol	28.7	U	1	28.7	170	ug/Kg	11/26/25 14:00	PB170735
91-57-6	2-Methylnaphthalene	25.6	U	1	25.6	170	ug/Kg	11/26/25 14:00	PB170735
77-47-4	Hexachlorocyclopentadiene	120	U	1	120	330	ug/Kg	11/26/25 14:00	PB170735
88-06-2	2,4,6-Trichlorophenol	19.8	U	1	19.8	170	ug/Kg	11/26/25 14:00	PB170735
95-95-4	2,4,5-Trichlorophenol	29.1	U	1	29.1	170	ug/Kg	11/26/25 14:00	PB170735
92-52-4	1,1-Biphenyl	21.8	U	1	21.8	170	ug/Kg	11/26/25 14:00	PB170735
91-58-7	2-Chloronaphthalene	22.5	U	1	22.5	170	ug/Kg	11/26/25 14:00	PB170735
88-74-4	2-Nitroaniline	48.1	U	1	48.1	170	ug/Kg	11/26/25 14:00	PB170735
131-11-3	Dimethylphthalate	27.1	U	1	27.1	170	ug/Kg	11/26/25 14:00	PB170735
208-96-8	Acenaphthylene	28.9	U	1	28.9	170	ug/Kg	11/26/25 14:00	PB170735
606-20-2	2,6-Dinitrotoluene	33.6	U	1	33.6	170	ug/Kg	11/26/25 14:00	PB170735
99-09-2	3-Nitroaniline	46.0	U	1	46.0	170	ug/Kg	11/26/25 14:00	PB170735
83-32-9	Acenaphthene	21.3	U	1	21.3	170	ug/Kg	11/26/25 14:00	PB170735
51-28-5	2,4-Dinitrophenol	230	U	1	230	330	ug/Kg	11/26/25 14:00	PB170735
100-02-7	4-Nitrophenol	110	U	1	110	330	ug/Kg	11/26/25 14:00	PB170735
132-64-9	Dibenzofuran	22.7	U	1	22.7	170	ug/Kg	11/26/25 14:00	PB170735
121-14-2	2,4-Dinitrotoluene	50.1	U	1	50.1	170	ug/Kg	11/26/25 14:00	PB170735
84-66-2	Diethylphthalate	28.3	U	1	28.3	170	ug/Kg	11/26/25 14:00	PB170735
7005-72-3	4-Chlorophenyl-phenylether	26.7	U	1	26.7	170	ug/Kg	11/26/25 14:00	PB170735
86-73-7	Fluorene	25.3	U	1	25.3	170	ug/Kg	11/26/25 14:00	PB170735
100-01-6	4-Nitroaniline	64.2	U	1	64.2	170	ug/Kg	11/26/25 14:00	PB170735
534-52-1	4,6-Dinitro-2-methylphenol	100	U	1	100	330	ug/Kg	11/26/25 14:00	PB170735



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Remington & Vernick		Date Collected:	
Project:	Saddler Property		Date Received:	
Client Sample ID:	PB170735BL		SDG No.:	Q3719
Lab Sample ID:	PB170735BL		Matrix:	SOIL
Analytical Method:	8270E	Level: LOW	% Solid:	100
Sample Wt/Vol:	30.01 g	Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Prep Date: 11/25/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	32.9	U	1	32.9	170	ug/Kg	11/26/25 14:00	PB170735
101-55-3	4-Bromophenyl-phenylether	27.8	U	1	27.8	170	ug/Kg	11/26/25 14:00	PB170735
118-74-1	Hexachlorobenzene	25.3	U	1	25.3	170	ug/Kg	11/26/25 14:00	PB170735
1912-24-9	Atrazine	34.0	U	1	34.0	170	ug/Kg	11/26/25 14:00	PB170735
87-86-5	Pentachlorophenol	51.3	U	1	51.3	330	ug/Kg	11/26/25 14:00	PB170735
85-01-8	Phenanthrene	20.9	U	1	20.9	170	ug/Kg	11/26/25 14:00	PB170735
120-12-7	Anthracene	33.3	U	1	33.3	170	ug/Kg	11/26/25 14:00	PB170735
86-74-8	Carbazole	31.2	U	1	31.2	170	ug/Kg	11/26/25 14:00	PB170735
84-74-2	Di-n-butylphthalate	47.9	U	1	47.9	170	ug/Kg	11/26/25 14:00	PB170735
206-44-0	Fluoranthene	30.0	U	1	30.0	170	ug/Kg	11/26/25 14:00	PB170735
129-00-0	Pyrene	36.0	U	1	36.0	170	ug/Kg	11/26/25 14:00	PB170735
85-68-7	Butylbenzylphthalate	71.4	U	1	71.4	170	ug/Kg	11/26/25 14:00	PB170735
91-94-1	3,3-Dichlorobenzidine	36.7	U	1	36.7	330	ug/Kg	11/26/25 14:00	PB170735
56-55-3	Benzo(a)anthracene	23.0	U	1	23.0	170	ug/Kg	11/26/25 14:00	PB170735
218-01-9	Chrysene	19.9	U	1	19.9	170	ug/Kg	11/26/25 14:00	PB170735
117-81-7	Bis(2-ethylhexyl)phthalate	59.2	U	1	59.2	170	ug/Kg	11/26/25 14:00	PB170735
117-84-0	Di-n-octyl phthalate	86.8	U	1	86.8	330	ug/Kg	11/26/25 14:00	PB170735
205-99-2	Benzo(b)fluoranthene	19.0	U	1	19.0	170	ug/Kg	11/26/25 14:00	PB170735
207-08-9	Benzo(k)fluoranthene	22.4	U	1	22.4	170	ug/Kg	11/26/25 14:00	PB170735
50-32-8	Benzo(a)pyrene	29.5	U	1	29.5	170	ug/Kg	11/26/25 14:00	PB170735
193-39-5	Indeno(1,2,3-cd)pyrene	29.1	U	1	29.1	170	ug/Kg	11/26/25 14:00	PB170735
53-70-3	Dibenzo(a,h)anthracene	27.4	U	1	27.4	170	ug/Kg	11/26/25 14:00	PB170735
191-24-2	Benzo(g,h,i)perylene	25.7	U	1	25.7	170	ug/Kg	11/26/25 14:00	PB170735
95-94-3	1,2,4,5-Tetrachlorobenzene	25.6	U	1	25.6	170	ug/Kg	11/26/25 14:00	PB170735
123-91-1	1,4-Dioxane	45.2	U	1	45.2	170	ug/Kg	11/26/25 14:00	PB170735
58-90-2	2,3,4,6-Tetrachlorophenol	27.4	U	1	27.4	170	ug/Kg	11/26/25 14:00	PB170735

SURROGATES

367-12-4	2-Fluorophenol	112		10 - 105	74%	SPK: 150
13127-88-3	Phenol-d6	113		10 - 103	75%	SPK: 150
4165-60-0	Nitrobenzene-d5	74.9		10 - 108	75%	SPK: 100
321-60-8	2-Fluorobiphenyl	75.6		10 - 108	76%	SPK: 100
118-79-6	2,4,6-Tribromophenol	112		10 - 116	75%	SPK: 150
1718-51-0	Terphenyl-d14	84.2		10 - 109	84%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	62900
1146-65-2	Naphthalene-d8	250000
15067-26-2	Acenaphthene-d10	143000
1517-22-2	Phenanthrene-d10	260000
1719-03-5	Chrysene-d12	152000
1520-96-3	Perylene-d12	186000



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Remington & Vernick		Date Collected:	
Project:	Saddler Property		Date Received:	
Client Sample ID:	PB170735BL		SDG No.:	Q3719
Lab Sample ID:	PB170735BL		Matrix:	SOIL
Analytical Method:	8270E	Level: LOW	% Solid:	100
Sample Wt/Vol:	30.01 g	Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Prep Date: 11/25/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Remington & Vernick		Date Collected:	
Project:	Saddler Property		Date Received:	
Client Sample ID:	PB170735BS		SDG No.:	Q3719
Lab Sample ID:	PB170735BS		Matrix:	SOIL
Analytical Method:	8270E	Level: LOW	% Solid:	100
Sample Wt/Vol:	30.03 g	Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Prep Date: 11/25/2012		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	1600	1	160		330	ug/Kg	11/26/25 14:30	PB170735
108-95-2	Phenol	1300	1	22.1		170	ug/Kg	11/26/25 14:30	PB170735
111-44-4	bis(2-Chloroethyl)ether	1500	1	24.3		170	ug/Kg	11/26/25 14:30	PB170735
95-57-8	2-Chlorophenol	1500	1	24.4		170	ug/Kg	11/26/25 14:30	PB170735
95-48-7	2-Methylphenol	1400	1	29.9		170	ug/Kg	11/26/25 14:30	PB170735
108-60-1	2,2-oxybis(1-Chloropropane)	1500	1	37.5		170	ug/Kg	11/26/25 14:30	PB170735
98-86-2	Acetophenone	1500	1	29.5		170	ug/Kg	11/26/25 14:30	PB170735
65794-96-9	3+4-Methylphenols	1400	1	41.1		330	ug/Kg	11/26/25 14:30	PB170735
621-64-7	n-Nitroso-di-n-propylamine	1400	1	47.4		79.9	ug/Kg	11/26/25 14:30	PB170735
67-72-1	Hexachloroethane	1400	1	17.6		170	ug/Kg	11/26/25 14:30	PB170735
98-95-3	Nitrobenzene	1400	1	18.3		170	ug/Kg	11/26/25 14:30	PB170735
78-59-1	Isophorone	1500	1	32.8		170	ug/Kg	11/26/25 14:30	PB170735
88-75-5	2-Nitrophenol	1500	1	58.1		170	ug/Kg	11/26/25 14:30	PB170735
105-67-9	2,4-Dimethylphenol	1600	1	64.7		170	ug/Kg	11/26/25 14:30	PB170735
111-91-1	bis(2-Chloroethoxy)methane	1500	1	30.8		170	ug/Kg	11/26/25 14:30	PB170735
120-83-2	2,4-Dichlorophenol	1400	1	28.3		170	ug/Kg	11/26/25 14:30	PB170735
91-20-3	Naphthalene	1400	1	22.7		170	ug/Kg	11/26/25 14:30	PB170735
106-47-8	4-Chloroaniline	860	1	35.4		170	ug/Kg	11/26/25 14:30	PB170735
87-68-3	Hexachlorobutadiene	1300	1	25.3		170	ug/Kg	11/26/25 14:30	PB170735
105-60-2	Caprolactam	1500	1	52.0		330	ug/Kg	11/26/25 14:30	PB170735
59-50-7	4-Chloro-3-methylphenol	1400	1	28.7		170	ug/Kg	11/26/25 14:30	PB170735
91-57-6	2-Methylnaphthalene	1300	1	25.6		170	ug/Kg	11/26/25 14:30	PB170735
77-47-4	Hexachlorocyclopentadiene	2500	1	120		330	ug/Kg	11/26/25 14:30	PB170735
88-06-2	2,4,6-Trichlorophenol	1400	1	19.8		170	ug/Kg	11/26/25 14:30	PB170735
95-95-4	2,4,5-Trichlorophenol	1300	1	29.1		170	ug/Kg	11/26/25 14:30	PB170735
92-52-4	1,1-Biphenyl	1600	1	21.8		170	ug/Kg	11/26/25 14:30	PB170735
91-58-7	2-Chloronaphthalene	1400	1	22.5		170	ug/Kg	11/26/25 14:30	PB170735
88-74-4	2-Nitroaniline	1400	1	48.1		170	ug/Kg	11/26/25 14:30	PB170735
131-11-3	Dimethylphthalate	1500	1	27.1		170	ug/Kg	11/26/25 14:30	PB170735
208-96-8	Acenaphthylene	1600	1	28.9		170	ug/Kg	11/26/25 14:30	PB170735
606-20-2	2,6-Dinitrotoluene	1500	1	33.6		170	ug/Kg	11/26/25 14:30	PB170735
99-09-2	3-Nitroaniline	1100	1	46.0		170	ug/Kg	11/26/25 14:30	PB170735
83-32-9	Acenaphthene	1300	1	21.3		170	ug/Kg	11/26/25 14:30	PB170735
51-28-5	2,4-Dinitrophenol	2600	1	230		330	ug/Kg	11/26/25 14:30	PB170735
100-02-7	4-Nitrophenol	2100	1	110		330	ug/Kg	11/26/25 14:30	PB170735
132-64-9	Dibenzofuran	1400	1	22.7		170	ug/Kg	11/26/25 14:30	PB170735
121-14-2	2,4-Dinitrotoluene	1400	1	50.0		170	ug/Kg	11/26/25 14:30	PB170735
84-66-2	Diethylphthalate	1400	1	28.3		170	ug/Kg	11/26/25 14:30	PB170735
7005-72-3	4-Chlorophenyl-phenylether	1300	1	26.7		170	ug/Kg	11/26/25 14:30	PB170735
86-73-7	Fluorene	1400	1	25.3		170	ug/Kg	11/26/25 14:30	PB170735
100-01-6	4-Nitroaniline	1300	1	64.1		170	ug/Kg	11/26/25 14:30	PB170735
534-52-1	4,6-Dinitro-2-methylphenol	1400	1	100		330	ug/Kg	11/26/25 14:30	PB170735



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Report of Analysis

Client:	Remington & Vernick		Date Collected:	
Project:	Saddler Property		Date Received:	
Client Sample ID:	PB170735BS		SDG No.:	Q3719
Lab Sample ID:	PB170735BS		Matrix:	SOIL
Analytical Method:	8270E	Level: LOW	% Solid:	100
Sample Wt/Vol:	30.03 g	Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Prep Date: 11/25/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	1500	1	32.9		170	ug/Kg	11/26/25 14:30	PB170735
101-55-3	4-Bromophenyl-phenylether	1400	1	27.8		170	ug/Kg	11/26/25 14:30	PB170735
118-74-1	Hexachlorobenzene	1400	1	25.3		170	ug/Kg	11/26/25 14:30	PB170735
1912-24-9	Atrazine	1500	1	34.0		170	ug/Kg	11/26/25 14:30	PB170735
87-86-5	Pentachlorophenol	2700	1	51.2		330	ug/Kg	11/26/25 14:30	PB170735
85-01-8	Phenanthrene	1400	1	20.9		170	ug/Kg	11/26/25 14:30	PB170735
120-12-7	Anthracene	1400	1	33.3		170	ug/Kg	11/26/25 14:30	PB170735
86-74-8	Carbazole	1400	1	31.2		170	ug/Kg	11/26/25 14:30	PB170735
84-74-2	Di-n-butylphthalate	1500	1	47.9		170	ug/Kg	11/26/25 14:30	PB170735
206-44-0	Fluoranthene	1400	1	30.0		170	ug/Kg	11/26/25 14:30	PB170735
129-00-0	Pyrene	1400	1	36.0		170	ug/Kg	11/26/25 14:30	PB170735
85-68-7	Butylbenzylphthalate	1500	1	71.3		170	ug/Kg	11/26/25 14:30	PB170735
91-94-1	3,3-Dichlorobenzidine	1200	1	36.7		330	ug/Kg	11/26/25 14:30	PB170735
56-55-3	Benzo(a)anthracene	1500	1	23.0		170	ug/Kg	11/26/25 14:30	PB170735
218-01-9	Chrysene	1400	1	19.9		170	ug/Kg	11/26/25 14:30	PB170735
117-81-7	Bis(2-ethylhexyl)phthalate	1600	1	59.1		170	ug/Kg	11/26/25 14:30	PB170735
117-84-0	Di-n-octyl phthalate	1700	1	86.7		330	ug/Kg	11/26/25 14:30	PB170735
205-99-2	Benzo(b)fluoranthene	1800	1	19.0		170	ug/Kg	11/26/25 14:30	PB170735
207-08-9	Benzo(k)fluoranthene	1500	1	22.4		170	ug/Kg	11/26/25 14:30	PB170735
50-32-8	Benzo(a)pyrene	1700	1	29.5		170	ug/Kg	11/26/25 14:30	PB170735
193-39-5	Indeno(1,2,3-cd)pyrene	1500	1	29.1		170	ug/Kg	11/26/25 14:30	PB170735
53-70-3	Dibenzo(a,h)anthracene	1600	1	27.4		170	ug/Kg	11/26/25 14:30	PB170735
191-24-2	Benzo(g,h,i)perylene	1600	1	25.7		170	ug/Kg	11/26/25 14:30	PB170735
95-94-3	1,2,4,5-Tetrachlorobenzene	1500	1	25.6		170	ug/Kg	11/26/25 14:30	PB170735
123-91-1	1,4-Dioxane	1300	1	45.2		170	ug/Kg	11/26/25 14:30	PB170735
58-90-2	2,3,4,6-Tetrachlorophenol	1400	1	27.4		170	ug/Kg	11/26/25 14:30	PB170735

SURROGATES

367-12-4	2-Fluorophenol	112		10 - 105	75%	SPK: 150
13127-88-3	Phenol-d6	113		10 - 103	76%	SPK: 150
4165-60-0	Nitrobenzene-d5	77.9		10 - 108	78%	SPK: 100
321-60-8	2-Fluorobiphenyl	77.8		10 - 108	78%	SPK: 100
118-79-6	2,4,6-Tribromophenol	107		10 - 116	72%	SPK: 150
1718-51-0	Terphenyl-d14	76.5		10 - 109	76%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	62500
1146-65-2	Naphthalene-d8	243000
15067-26-2	Acenaphthene-d10	133000
1517-22-2	Phenanthrene-d10	216000
1719-03-5	Chrysene-d12	135000
1520-96-3	Perylene-d12	165000



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Report of Analysis

Client:	Remington & Vernick		Date Collected:	
Project:	Saddler Property		Date Received:	
Client Sample ID:	PB170735BS		SDG No.:	Q3719
Lab Sample ID:	PB170735BS		Matrix:	SOIL
Analytical Method:	8270E	Level: LOW	% Solid:	100
Sample Wt/Vol:	30.03 g	Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Prep Date: 11/25/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products



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Report of Analysis

Client:	Remington & Vernick		Date Collected:	11/24/25
Project:	Saddler Property		Date Received:	11/25/25
Client Sample ID:	SB-1125-15BMS		SDG No.:	Q3719
Lab Sample ID:	Q3719-10MS		Matrix:	SOIL
Analytical Method:	8270E	Level: LOW	% Solid:	89.4
Sample Wt/Vol:	30.03 g	Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Prep Date: 11/25/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	1200		1	170	370	ug/Kg	12/01/25 17:51	PB170735
108-95-2	Phenol	1700		1	24.7	190	ug/Kg	12/01/25 17:51	PB170735
111-44-4	bis(2-Chloroethyl)ether	1700		1	27.2	190	ug/Kg	12/01/25 17:51	PB170735
95-57-8	2-Chlorophenol	1800		1	27.3	190	ug/Kg	12/01/25 17:51	PB170735
95-48-7	2-Methylphenol	1700		1	33.4	190	ug/Kg	12/01/25 17:51	PB170735
108-60-1	2,2-oxybis(1-Chloropropane)	1700		1	41.9	190	ug/Kg	12/01/25 17:51	PB170735
98-86-2	Acetophenone	1800		1	33.0	190	ug/Kg	12/01/25 17:51	PB170735
65794-96-9	3+4-Methylphenols	1700		1	45.9	370	ug/Kg	12/01/25 17:51	PB170735
621-64-7	n-Nitroso-di-n-propylamine	1600		1	53.0	89.4	ug/Kg	12/01/25 17:51	PB170735
67-72-1	Hexachloroethane	1800		1	19.7	190	ug/Kg	12/01/25 17:51	PB170735
98-95-3	Nitrobenzene	1800		1	20.4	190	ug/Kg	12/01/25 17:51	PB170735
78-59-1	Isophorone	1700		1	36.7	190	ug/Kg	12/01/25 17:51	PB170735
88-75-5	2-Nitrophenol	1800		1	65.0	190	ug/Kg	12/01/25 17:51	PB170735
105-67-9	2,4-Dimethylphenol	1800		1	72.4	190	ug/Kg	12/01/25 17:51	PB170735
111-91-1	bis(2-Chloroethoxy)methane	1700		1	34.4	190	ug/Kg	12/01/25 17:51	PB170735
120-83-2	2,4-Dichlorophenol	1800		1	31.6	190	ug/Kg	12/01/25 17:51	PB170735
91-20-3	Naphthalene	1700		1	25.4	190	ug/Kg	12/01/25 17:51	PB170735
106-47-8	4-Chloroaniline	760		1	39.6	190	ug/Kg	12/01/25 17:51	PB170735
87-68-3	Hexachlorobutadiene	1800		1	28.3	190	ug/Kg	12/01/25 17:51	PB170735
105-60-2	Caprolactam	1700		1	58.2	370	ug/Kg	12/01/25 17:51	PB170735
59-50-7	4-Chloro-3-methylphenol	1800		1	32.1	190	ug/Kg	12/01/25 17:51	PB170735
91-57-6	2-Methylnaphthalene	1600		1	28.6	190	ug/Kg	12/01/25 17:51	PB170735
77-47-4	Hexachlorocyclopentadiene	3500	E	1	130	370	ug/Kg	12/01/25 17:51	PB170735
88-06-2	2,4,6-Trichlorophenol	1900		1	22.1	190	ug/Kg	12/01/25 17:51	PB170735
95-95-4	2,4,5-Trichlorophenol	1900		1	32.5	190	ug/Kg	12/01/25 17:51	PB170735
92-52-4	1,1-Biphenyl	1800		1	24.4	190	ug/Kg	12/01/25 17:51	PB170735
91-58-7	2-Chloronaphthalene	1800		1	25.1	190	ug/Kg	12/01/25 17:51	PB170735
88-74-4	2-Nitroaniline	1800		1	53.7	190	ug/Kg	12/01/25 17:51	PB170735
131-11-3	Dimethylphthalate	1800		1	30.3	190	ug/Kg	12/01/25 17:51	PB170735
208-96-8	Acenaphthylene	1800		1	32.3	190	ug/Kg	12/01/25 17:51	PB170735
606-20-2	2,6-Dinitrotoluene	2000		1	37.5	190	ug/Kg	12/01/25 17:51	PB170735
99-09-2	3-Nitroaniline	1100		1	51.4	190	ug/Kg	12/01/25 17:51	PB170735
83-32-9	Acenaphthene	1800		1	23.8	190	ug/Kg	12/01/25 17:51	PB170735
51-28-5	2,4-Dinitrophenol	4000	E	1	260	370	ug/Kg	12/01/25 17:51	PB170735
100-02-7	4-Nitrophenol	3400	E	1	120	370	ug/Kg	12/01/25 17:51	PB170735
132-64-9	Dibenzofuran	1800		1	25.4	190	ug/Kg	12/01/25 17:51	PB170735
121-14-2	2,4-Dinitrotoluene	1900		1	56.0	190	ug/Kg	12/01/25 17:51	PB170735
84-66-2	Diethylphthalate	1900		1	31.6	190	ug/Kg	12/01/25 17:51	PB170735
7005-72-3	4-Chlorophenyl-phenylether	1800		1	29.8	190	ug/Kg	12/01/25 17:51	PB170735
86-73-7	Fluorene	1800		1	28.3	190	ug/Kg	12/01/25 17:51	PB170735
100-01-6	4-Nitroaniline	1600		1	71.7	190	ug/Kg	12/01/25 17:51	PB170735
534-52-1	4,6-Dinitro-2-methylphenol	1900		1	120	370	ug/Kg	12/01/25 17:51	PB170735



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Report of Analysis

Client:	Remington & Vernick		Date Collected:	11/24/25
Project:	Saddler Property		Date Received:	11/25/25
Client Sample ID:	SB-1125-15BMS		SDG No.:	Q3719
Lab Sample ID:	Q3719-10MS		Matrix:	SOIL
Analytical Method:	8270E	Level: LOW	% Solid:	89.4
Sample Wt/Vol:	30.03 g	Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Prep Date: 11/25/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	1900		1	36.8	190	ug/Kg	12/01/25 17:51	PB170735
101-55-3	4-Bromophenyl-phenylether	1900		1	31.1	190	ug/Kg	12/01/25 17:51	PB170735
118-74-1	Hexachlorobenzene	1900		1	28.3	190	ug/Kg	12/01/25 17:51	PB170735
1912-24-9	Atrazine	1900		1	38.0	190	ug/Kg	12/01/25 17:51	PB170735
87-86-5	Pentachlorophenol	3800	E	1	57.3	370	ug/Kg	12/01/25 17:51	PB170735
85-01-8	Phenanthrene	1900		1	23.4	190	ug/Kg	12/01/25 17:51	PB170735
120-12-7	Anthracene	1900		1	37.2	190	ug/Kg	12/01/25 17:51	PB170735
86-74-8	Carbazole	1800		1	34.9	190	ug/Kg	12/01/25 17:51	PB170735
84-74-2	Di-n-butylphthalate	1900		1	53.5	190	ug/Kg	12/01/25 17:51	PB170735
206-44-0	Fluoranthene	1900		1	33.5	190	ug/Kg	12/01/25 17:51	PB170735
129-00-0	Pyrene	2000		1	40.2	190	ug/Kg	12/01/25 17:51	PB170735
85-68-7	Butylbenzylphthalate	1900		1	79.8	190	ug/Kg	12/01/25 17:51	PB170735
91-94-1	3,3-Dichlorobenzidine	1200		1	41.0	370	ug/Kg	12/01/25 17:51	PB170735
56-55-3	Benzo(a)anthracene	1900		1	25.7	190	ug/Kg	12/01/25 17:51	PB170735
218-01-9	Chrysene	1800		1	22.2	190	ug/Kg	12/01/25 17:51	PB170735
117-81-7	Bis(2-ethylhexyl)phthalate	1800		1	66.2	190	ug/Kg	12/01/25 17:51	PB170735
117-84-0	Di-n-octyl phthalate	1800		1	97.0	370	ug/Kg	12/01/25 17:51	PB170735
205-99-2	Benzo(b)fluoranthene	1900		1	21.2	190	ug/Kg	12/01/25 17:51	PB170735
207-08-9	Benzo(k)fluoranthene	1900		1	25.0	190	ug/Kg	12/01/25 17:51	PB170735
50-32-8	Benzo(a)pyrene	2000		1	33.0	190	ug/Kg	12/01/25 17:51	PB170735
193-39-5	Indeno(1,2,3-cd)pyrene	1900		1	32.5	190	ug/Kg	12/01/25 17:51	PB170735
53-70-3	Dibenzo(a,h)anthracene	1900		1	30.6	190	ug/Kg	12/01/25 17:51	PB170735
191-24-2	Benzo(g,h,i)perylene	1900		1	28.7	190	ug/Kg	12/01/25 17:51	PB170735
95-94-3	1,2,4,5-Tetrachlorobenzene	1900		1	28.6	190	ug/Kg	12/01/25 17:51	PB170735
123-91-1	1,4-Dioxane	1600		1	50.5	190	ug/Kg	12/01/25 17:51	PB170735
58-90-2	2,3,4,6-Tetrachlorophenol	2000		1	30.6	190	ug/Kg	12/01/25 17:51	PB170735

SURROGATES

367-12-4	2-Fluorophenol	63.6			10 - 105	42%	SPK: 150
13127-88-3	Phenol-d6	63.1			10 - 103	42%	SPK: 150
4165-60-0	Nitrobenzene-d5	42.7			10 - 108	43%	SPK: 100
321-60-8	2-Fluorobiphenyl	41.8			10 - 108	42%	SPK: 100
118-79-6	2,4,6-Tribromophenol	65.1			10 - 116	43%	SPK: 150
1718-51-0	Terphenyl-d14	44.4			10 - 109	44%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	233000
1146-65-2	Naphthalene-d8	912000
15067-26-2	Acenaphthene-d10	570000
1517-22-2	Phenanthrene-d10	1130000
1719-03-5	Chrysene-d12	1150000
1520-96-3	Perylene-d12	1320000



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Report of Analysis

Client:	Remington & Vernick		Date Collected:	11/24/25
Project:	Saddler Property		Date Received:	11/25/25
Client Sample ID:	SB-1125-15BMS		SDG No.:	Q3719
Lab Sample ID:	Q3719-10MS		Matrix:	SOIL
Analytical Method:	8270E	Level: LOW	% Solid:	89.4
Sample Wt/Vol:	30.03 g	Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Prep Date: 11/25/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products



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Report of Analysis

Client:	Remington & Vernick		Date Collected:	11/24/25
Project:	Saddler Property		Date Received:	11/25/25
Client Sample ID:	SB-1125-15BMSD		SDG No.:	Q3719
Lab Sample ID:	Q3719-10MSD		Matrix:	SOIL
Analytical Method:	8270E	Level: LOW	% Solid:	89.4
Sample Wt/Vol:	30.05 g	Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Prep Date: 11/25/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	1200		1	170	370	ug/Kg	12/01/25 18:40	PB170735
108-95-2	Phenol	1700		1	24.7	190	ug/Kg	12/01/25 18:40	PB170735
111-44-4	bis(2-Chloroethyl)ether	1700		1	27.1	190	ug/Kg	12/01/25 18:40	PB170735
95-57-8	2-Chlorophenol	1700		1	27.2	190	ug/Kg	12/01/25 18:40	PB170735
95-48-7	2-Methylphenol	1700		1	33.4	190	ug/Kg	12/01/25 18:40	PB170735
108-60-1	2,2-oxybis(1-Chloropropane)	1700		1	41.9	190	ug/Kg	12/01/25 18:40	PB170735
98-86-2	Acetophenone	1800		1	32.9	190	ug/Kg	12/01/25 18:40	PB170735
65794-96-9	3+4-Methylphenols	1600		1	45.9	370	ug/Kg	12/01/25 18:40	PB170735
621-64-7	n-Nitroso-di-n-propylamine	1600		1	52.9	89.3	ug/Kg	12/01/25 18:40	PB170735
67-72-1	Hexachloroethane	1800		1	19.7	190	ug/Kg	12/01/25 18:40	PB170735
98-95-3	Nitrobenzene	1800		1	20.4	190	ug/Kg	12/01/25 18:40	PB170735
78-59-1	Isophorone	1700		1	36.6	190	ug/Kg	12/01/25 18:40	PB170735
88-75-5	2-Nitrophenol	1800		1	65.0	190	ug/Kg	12/01/25 18:40	PB170735
105-67-9	2,4-Dimethylphenol	1700		1	72.4	190	ug/Kg	12/01/25 18:40	PB170735
111-91-1	bis(2-Chloroethoxy)methane	1700		1	34.4	190	ug/Kg	12/01/25 18:40	PB170735
120-83-2	2,4-Dichlorophenol	1800		1	31.6	190	ug/Kg	12/01/25 18:40	PB170735
91-20-3	Naphthalene	1700		1	25.3	190	ug/Kg	12/01/25 18:40	PB170735
106-47-8	4-Chloroaniline	790		1	39.5	190	ug/Kg	12/01/25 18:40	PB170735
87-68-3	Hexachlorobutadiene	1900		1	28.3	190	ug/Kg	12/01/25 18:40	PB170735
105-60-2	Caprolactam	1500		1	58.2	370	ug/Kg	12/01/25 18:40	PB170735
59-50-7	4-Chloro-3-methylphenol	1600		1	32.0	190	ug/Kg	12/01/25 18:40	PB170735
91-57-6	2-Methylnaphthalene	1500		1	28.6	190	ug/Kg	12/01/25 18:40	PB170735
77-47-4	Hexachlorocyclopentadiene	3800	E	1	130	370	ug/Kg	12/01/25 18:40	PB170735
88-06-2	2,4,6-Trichlorophenol	1900		1	22.1	190	ug/Kg	12/01/25 18:40	PB170735
95-95-4	2,4,5-Trichlorophenol	1800		1	32.5	190	ug/Kg	12/01/25 18:40	PB170735
92-52-4	1,1-Biphenyl	1900		1	24.3	190	ug/Kg	12/01/25 18:40	PB170735
91-58-7	2-Chloronaphthalene	1800		1	25.1	190	ug/Kg	12/01/25 18:40	PB170735
88-74-4	2-Nitroaniline	1800		1	53.7	190	ug/Kg	12/01/25 18:40	PB170735
131-11-3	Dimethylphthalate	1700		1	30.3	190	ug/Kg	12/01/25 18:40	PB170735
208-96-8	Acenaphthylene	1800		1	32.3	190	ug/Kg	12/01/25 18:40	PB170735
606-20-2	2,6-Dinitrotoluene	1900		1	37.5	190	ug/Kg	12/01/25 18:40	PB170735
99-09-2	3-Nitroaniline	1000		1	51.4	190	ug/Kg	12/01/25 18:40	PB170735
83-32-9	Acenaphthene	1800		1	23.8	190	ug/Kg	12/01/25 18:40	PB170735
51-28-5	2,4-Dinitrophenol	3600	E	1	260	370	ug/Kg	12/01/25 18:40	PB170735
100-02-7	4-Nitrophenol	3200	E	1	120	370	ug/Kg	12/01/25 18:40	PB170735
132-64-9	Dibenzofuran	1800		1	25.3	190	ug/Kg	12/01/25 18:40	PB170735
121-14-2	2,4-Dinitrotoluene	1700		1	55.9	190	ug/Kg	12/01/25 18:40	PB170735
84-66-2	Diethylphthalate	1800		1	31.6	190	ug/Kg	12/01/25 18:40	PB170735
7005-72-3	4-Chlorophenyl-phenylether	1800		1	29.8	190	ug/Kg	12/01/25 18:40	PB170735
86-73-7	Fluorene	1800		1	28.3	190	ug/Kg	12/01/25 18:40	PB170735
100-01-6	4-Nitroaniline	1400		1	71.7	190	ug/Kg	12/01/25 18:40	PB170735
534-52-1	4,6-Dinitro-2-methylphenol	1800		1	120	370	ug/Kg	12/01/25 18:40	PB170735



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Remington & Vernick		Date Collected:	11/24/25
Project:	Saddler Property		Date Received:	11/25/25
Client Sample ID:	SB-1125-15BMSD		SDG No.:	Q3719
Lab Sample ID:	Q3719-10MSD		Matrix:	SOIL
Analytical Method:	8270E	Level: LOW	% Solid:	89.4
Sample Wt/Vol:	30.05 g	Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Prep Date: 11/25/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	1900		1	36.7	190	ug/Kg	12/01/25 18:40	PB170735
101-55-3	4-Bromophenyl-phenylether	1900		1	31.0	190	ug/Kg	12/01/25 18:40	PB170735
118-74-1	Hexachlorobenzene	1900		1	28.3	190	ug/Kg	12/01/25 18:40	PB170735
1912-24-9	Atrazine	1800		1	38.0	190	ug/Kg	12/01/25 18:40	PB170735
87-86-5	Pentachlorophenol	3700	E	1	57.3	370	ug/Kg	12/01/25 18:40	PB170735
85-01-8	Phenanthrene	1900		1	23.3	190	ug/Kg	12/01/25 18:40	PB170735
120-12-7	Anthracene	1800		1	37.2	190	ug/Kg	12/01/25 18:40	PB170735
86-74-8	Carbazole	1800		1	34.8	190	ug/Kg	12/01/25 18:40	PB170735
84-74-2	Di-n-butylphthalate	1900		1	53.5	190	ug/Kg	12/01/25 18:40	PB170735
206-44-0	Fluoranthene	1900		1	33.5	190	ug/Kg	12/01/25 18:40	PB170735
129-00-0	Pyrene	1800		1	40.2	190	ug/Kg	12/01/25 18:40	PB170735
85-68-7	Butylbenzylphthalate	1800		1	79.7	190	ug/Kg	12/01/25 18:40	PB170735
91-94-1	3,3-Dichlorobenzidine	1300		1	41.0	370	ug/Kg	12/01/25 18:40	PB170735
56-55-3	Benzo(a)anthracene	1900		1	25.7	190	ug/Kg	12/01/25 18:40	PB170735
218-01-9	Chrysene	1900		1	22.2	190	ug/Kg	12/01/25 18:40	PB170735
117-81-7	Bis(2-ethylhexyl)phthalate	1800		1	66.1	190	ug/Kg	12/01/25 18:40	PB170735
117-84-0	Di-n-octyl phthalate	1800		1	96.9	370	ug/Kg	12/01/25 18:40	PB170735
205-99-2	Benzo(b)fluoranthene	1900		1	21.2	190	ug/Kg	12/01/25 18:40	PB170735
207-08-9	Benzo(k)fluoranthene	1900		1	25.0	190	ug/Kg	12/01/25 18:40	PB170735
50-32-8	Benzo(a)pyrene	1900		1	32.9	190	ug/Kg	12/01/25 18:40	PB170735
193-39-5	Indeno(1,2,3-cd)pyrene	1900		1	32.5	190	ug/Kg	12/01/25 18:40	PB170735
53-70-3	Dibenzo(a,h)anthracene	1900		1	30.6	190	ug/Kg	12/01/25 18:40	PB170735
191-24-2	Benzo(g,h,i)perylene	1900		1	28.7	190	ug/Kg	12/01/25 18:40	PB170735
95-94-3	1,2,4,5-Tetrachlorobenzene	2000		1	28.6	190	ug/Kg	12/01/25 18:40	PB170735
123-91-1	1,4-Dioxane	1600		1	50.5	190	ug/Kg	12/01/25 18:40	PB170735
58-90-2	2,3,4,6-Tetrachlorophenol	1800		1	30.6	190	ug/Kg	12/01/25 18:40	PB170735

SURROGATES

367-12-4	2-Fluorophenol	62.3		10 - 105	42%	SPK: 150
13127-88-3	Phenol-d6	60.3		10 - 103	40%	SPK: 150
4165-60-0	Nitrobenzene-d5	42.9		10 - 108	43%	SPK: 100
321-60-8	2-Fluorobiphenyl	43.2		10 - 108	43%	SPK: 100
118-79-6	2,4,6-Tribromophenol	60.3		10 - 116	40%	SPK: 150
1718-51-0	Terphenyl-d14	40.4		10 - 109	40%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	223000
1146-65-2	Naphthalene-d8	846000
15067-26-2	Acenaphthene-d10	491000
1517-22-2	Phenanthrene-d10	903000
1719-03-5	Chrysene-d12	1040000
1520-96-3	Perylene-d12	1290000



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Remington & Vernick		Date Collected:	11/24/25
Project:	Saddler Property		Date Received:	11/25/25
Client Sample ID:	SB-1125-15BMUSD		SDG No.:	Q3719
Lab Sample ID:	Q3719-10MSD		Matrix:	SOIL
Analytical Method:	8270E	Level: LOW	% Solid:	89.4
Sample Wt/Vol:	30.05 g	Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Prep Date: 11/25/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products



CALIBRATION SUMMARY

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
 Method File : 8270-BF110525.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Wed Nov 05 18:37:33 2025
 Response Via : Initial Calibration

Calibration Files

2.5 =BF144169.D 5 =BF144170.D 10 =BF144171.D 20 =BF144172.D 40 =BF144173.D 50 =BF144174.D 60 =BF144175.D 80 =BF144176.D

	Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----									
2)	1,4-Dioxane		0.526	0.487	0.518	0.554	0.500	0.573	0.540	0.528	5.68
3)	Pyridine		1.374	1.406	1.491	1.520	1.378	1.607	1.543	1.474	6.12
4)	n-Nitrosodimet...			0.719	0.726	0.775	0.723	0.868	0.810	0.770	7.79
5) S	2-Fluorophenol		1.332	1.303	1.316	1.315	1.157	1.330	1.193	1.278	5.62
6)	Aniline		2.194	2.169	2.114	2.067	1.841	2.139	1.920	2.063	6.46
7) S	Phenol-d6		1.566	1.518	1.511	1.460	1.281	1.461	1.339	1.448	7.08
8)	2-Chlorophenol		1.242	1.309	1.292	1.281	1.152	1.293	1.204	1.253	4.59
9)	Benzaldehyde			1.033	0.917	0.816	0.672	0.786	0.683	0.818	16.99
10) C	Phenol		1.845	1.896	1.840	1.858	1.562	1.790	1.594	1.769	7.60
11)	bis(2-Chloroet...		1.278	1.333	1.342	1.316	1.155	1.341	1.259	1.289	5.22
12)	1,3-Dichlorobe...		1.677	1.573	1.583	1.541	1.397	1.586	1.468	1.547	5.86
13) C	1,4-Dichlorobe...		1.669	1.563	1.583	1.591	1.372	1.604	1.464	1.549	6.40
14)	1,2-Dichlorobe...		1.651	1.510	1.488	1.485	1.325	1.533	1.404	1.485	6.88
15)	Benzyl Alcohol			1.140	1.188	1.161	1.050	1.197	1.145	1.147	4.61
16)	2,2'-oxybis(1-...		2.408	2.470	2.496	2.418	2.147	2.442	2.238	2.374	5.50
17)	2-Methylphenol		1.031	1.054	1.007	1.033	0.895	1.002	0.958	0.997	5.44
18)	Hexachloroethane		0.512	0.513	0.532	0.532	0.467	0.543	0.504	0.515	4.90
19) P	n-Nitroso-di-n...	0.998	1.010	1.023	0.996	0.950	0.813	0.937	0.900	0.953	7.38
20)	3+4-Methylphenols			1.330	1.223	1.215	1.030	1.175	1.080	1.175	9.16
21) I	Naphthalene-d8	-----ISTD-----									
22)	Acetophenone		0.479	0.464	0.434	0.434	0.380	0.421	0.391	0.429	8.34
23) S	Nitrobenzene-d5		0.343	0.352	0.349	0.360	0.321	0.361	0.338	0.346	4.07
24)	Nitrobenzene		0.370	0.390	0.376	0.388	0.342	0.398	0.368	0.376	4.90
25)	Isophorone		0.659	0.668	0.669	0.673	0.581	0.675	0.659	0.655	5.05
26) C	2-Nitrophenol		0.167	0.187	0.191	0.197	0.174	0.200	0.186	0.186	6.47
27)	2,4-Dimethylph...		0.281	0.278	0.265	0.298	0.260	0.295	0.275	0.279	5.08
28)	bis(2-Chloroet...		0.426	0.417	0.412	0.423	0.372	0.423	0.390	0.409	5.02
29) C	2,4-Dichloroph...		0.334	0.342	0.330	0.331	0.289	0.326	0.297	0.322	6.20
30)	1,2,4-Trichlor...		0.350	0.349	0.332	0.337	0.296	0.335	0.312	0.330	5.96
31)	Naphthalene		1.019	1.008	0.982	0.969	0.850	0.952	0.880	0.951	6.71
32)	Benzoic acid			0.268	0.220	0.180	0.165	0.190	0.204	0.204	17.90
33)	4-Chloroaniline		0.358	0.364	0.355	0.362	0.309	0.355	0.326	0.347	6.07
34) C	Hexachlorobuta...		0.256	0.250	0.252	0.259	0.232	0.254	0.238	0.249	4.03
35)	Caprolactam			0.094	0.093	0.092	0.075	0.087	0.088	0.088	8.10
36) C	4-Chloro-3-met...		0.283	0.307	0.304	0.297	0.259	0.290	0.277	0.288	5.77
37)	2-Methylnaphth...		0.702	0.672	0.665	0.647	0.559	0.623	0.583	0.636	7.98
38)	1-Methylnaphth...		0.667	0.681	0.632	0.620	0.536	0.600	0.561	0.614	8.61

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
 Method File : 8270-BF110525.M

39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.677	0.662	0.659	0.675	0.588	0.716	0.611	0.655	6.57	
41) P	Hexachlorocycl...	0.121	0.142	0.200	0.204	0.253	0.248	0.195	27.78		
42) S	2,4,6-Tribromo...	0.242	0.257	0.257	0.265	0.227	0.261	0.249	0.251	5.27	
43) C	2,4,6-Trichlor...	0.440	0.449	0.449	0.456	0.409	0.489	0.431	0.446	5.49	
44)	2,4,5-Trichlor...	0.497	0.489	0.497	0.489	0.438	0.502	0.456	0.481	5.05	
45) S	2-Fluorobiphenyl	1.598	1.428	1.361	1.350	1.177	1.381	1.183	1.354	10.72	
46)	1,1'-Biphenyl	1.535	1.446	1.425	1.408	1.239	1.450	1.270	1.396	7.52	
47)	2-Chloronaphth...	1.303	1.216	1.206	1.204	1.068	1.252	1.087	1.191	7.12	
48)	2-Nitroaniline	0.302	0.347	0.349	0.361	0.326	0.374	0.345	0.344	6.84	
49)	Acenaphthylene	1.727	1.686	1.677	1.645	1.440	1.678	1.506	1.623	6.57	
50)	Dimethylphthalate	1.437	1.343	1.359	1.345	1.168	1.375	1.247	1.325	6.71	
51)	2,6-Dinitrotol...	0.251	0.271	0.271	0.276	0.252	0.290	0.266	0.268	5.16	
52) C	Acenaphthene	1.138	1.162	1.120	1.096	0.956	1.117	1.007	1.085	6.90	
53)	3-Nitroaniline	0.271	0.301	0.302	0.315	0.264	0.316	0.283	0.293	7.07	
54) P	2,4-Dinitrophenol	0.202	0.166	0.140	0.133	0.168	0.164	0.162	14.99		
55)	Dibenzofuran	1.644	1.600	1.586	1.551	1.337	1.562	1.359	1.520	7.99	
56) P	4-Nitrophenol	0.273	0.202	0.204	0.185	0.211	0.198	0.212	14.64		
57)	2,4-Dinitrotol...	0.322	0.377	0.372	0.385	0.328	0.377	0.353	0.359	7.07	
58)	Fluorene	1.295	1.223	1.197	1.180	0.997	1.149	1.048	1.156	8.88	
59)	2,3,4,6-Tetrac...	0.308	0.347	0.336	0.358	0.316	0.372	0.345	0.340	6.58	
60)	Diethylphthalate	1.294	1.273	1.254	1.254	1.075	1.237	1.163	1.221	6.27	
61)	4-Chlorophenyl...	0.711	0.701	0.678	0.685	0.570	0.659	0.605	0.658	7.92	
62)	4-Nitroaniline	0.273	0.290	0.293	0.288	0.254	0.288	0.268	0.279	5.10	
63)	Azobenzene	1.157	1.203	1.145	1.164	0.995	1.197	1.096	1.137	6.33	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...	0.147	0.138	0.130	0.120	0.142	0.138	0.136	6.99		
66) c	n-Nitrosodiphe...	0.695	0.676	0.635	0.646	0.577	0.660	0.614	0.643	6.12	
67)	4-Bromophenyl-...	0.264	0.260	0.255	0.263	0.228	0.266	0.252	0.255	5.18	
68)	Hexachlorobenzene	0.306	0.306	0.305	0.300	0.273	0.319	0.296	0.301	4.74	
69)	Atrazine	0.215	0.211	0.215	0.206	0.180	0.210	0.196	0.205	6.26	
70) C	Pentachlorophenol	0.135	0.144	0.156	0.137	0.162	0.165	0.150	8.76		
71)	Phenanthrene	1.103	1.042	0.986	1.009	0.892	1.003	0.937	0.996	6.87	
72)	Anthracene	1.120	1.059	1.027	1.022	0.897	1.027	0.936	1.013	7.37	
73)	Carbazole	0.938	0.917	0.882	0.878	0.762	0.854	0.794	0.861	7.36	
74)	Di-n-butylphth...	1.075	1.101	1.077	1.070	0.917	1.059	0.986	1.041	6.27	
75) C	Fluoranthene	1.117	1.066	1.053	1.054	0.910	1.043	0.958	1.029	6.84	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine	0.707	0.519	0.624	0.512	0.635	0.553	0.592	12.98		
78)	Pyrene	1.763	1.745	1.631	1.704	1.372	1.569	1.504	1.613	8.79	
79) S	Terphenyl-d14	1.403	1.415	1.274	1.317	1.042	1.208	1.155	1.259	10.71	
80)	Butylbenzylpht...	0.565	0.590	0.550	0.590	0.499	0.570	0.549	0.559	5.60	
81)	Benzo(a)anthra...	1.455	1.340	1.330	1.430	1.290	1.493	1.366	1.386	5.37	
82)	3,3'-Dichlorob...	0.453	0.461	0.482	0.441	0.532	0.481	0.475	6.77		
83)	Chrysene	1.276	1.245	1.279	1.403	1.164	1.326	1.263	1.280	5.72	
84)	Bis(2-ethylhex...	0.773	0.739	0.755	0.816	0.705	0.803	0.764	0.765	4.92	
85) c	Di-n-octyl pht...	1.163	1.272	1.410	1.269	1.442	1.364	1.320	7.91		

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF110525.M

		-----ISTD-----								
86) I	Perylene-d12									
87)	Indeno(1,2,3-c...	1.450	1.411	1.447	1.485	1.311	1.521	1.425	1.436	4.62
88)	Benzo(b)fluora...	1.199	1.133	1.114	1.233	1.002	1.134	1.143	1.137	6.40
89)	Benzo(k)fluora...	1.077	1.094	1.083	1.041	0.999	1.134	1.021	1.064	4.36
90) C	Benzo(a)pyrene	1.064	1.050	1.058	1.077	0.963	1.103	1.029	1.049	4.23
91)	Dibenzo(a,h)an...	1.155	1.155	1.175	1.198	1.040	1.209	1.138	1.153	4.85
92)	Benzo(g,h,i)pe...	1.095	1.125	1.153	1.191	1.028	1.228	1.150	1.139	5.70

(#) = Out of Range

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
 Method File : 8270E-BP111825.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Wed Nov 19 01:25:31 2025
 Response Via : Initial Calibration

Calibration Files

2.5 =BP026143.D 5 =BP026144.D 10 =BP026145.D 20 =BP026146.D 40 =BP026147.D 50 =BP026148.D 60 =BP026149.D 80 =BP026150.D

	Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----									
2)	1,4-Dioxane		0.507	0.520	0.524	0.487	0.502	0.505	0.494	0.505	2.61
3)	Pyridine		1.401	1.459	1.510	1.445	1.485	1.466	1.458	1.461	2.32
4)	n-Nitrosodimet...			0.535	0.560	0.540	0.552	0.549	0.540	0.546	1.75
5) S	2-Fluorophenol		1.193	1.249	1.277	1.245	1.255	1.258	1.245	1.246	2.08
6)	Aniline		1.953	2.050	2.154	2.122	2.138	2.127	2.117	2.094	3.36
7) S	Phenol-d6		1.465	1.564	1.623	1.617	1.632	1.606	1.596	1.586	3.64
8)	2-Chlorophenol		1.318	1.398	1.438	1.431	1.452	1.439	1.453	1.418	3.37
9)	Benzaldehyde			0.963	0.899	0.922	0.719	0.812	0.673	0.831	14.04
10) C	Phenol		1.570	1.658	1.757	1.746	1.759	1.742	1.729	1.709	4.12
11)	bis(2-Chloroet...		1.252	1.334	1.368	1.361	1.363	1.338	1.350	1.338	3.00
12)	1,3-Dichlorobe...		1.511	1.526	1.570	1.525	1.528	1.518	1.518	1.528	1.28
13) C	1,4-Dichlorobe...		1.495	1.547	1.589	1.540	1.546	1.532	1.530	1.540	1.81
14)	1,2-Dichlorobe...		1.453	1.482	1.521	1.479	1.480	1.470	1.464	1.479	1.46
15)	Benzyl Alcohol			1.074	1.181	1.187	1.194	1.164	1.173	1.162	3.82
16)	2,2'-oxybis(1-...		1.769	1.841	1.961	1.914	1.924	1.852	1.892	1.879	3.40
17)	2-Methylphenol		1.067	1.126	1.191	1.195	1.202	1.180	1.182	1.163	4.25
18)	Hexachloroethane		0.527	0.559	0.569	0.565	0.565	0.557	0.581	0.560	2.99
19) P	n-Nitroso-di-n...	0.937	0.899	0.960	1.063	1.024	1.039	0.975	0.986	0.985	5.53
20)	3+4-Methylphenols			1.530	1.656	1.624	1.648	1.601	1.613	1.612	2.82
21) I	Naphthalene-d8	-----ISTD-----									
22)	Acetophenone		0.497	0.521	0.530	0.507	0.504	0.507	0.493	0.508	2.58
23) S	Nitrobenzene-d5		0.335	0.357	0.362	0.355	0.351	0.355	0.349	0.352	2.39
24)	Nitrobenzene		0.339	0.356	0.368	0.359	0.357	0.360	0.354	0.356	2.50
25)	Isophorone		0.655	0.693	0.736	0.710	0.710	0.686	0.697	0.698	3.57
26) C	2-Nitrophenol		0.152	0.164	0.182	0.189	0.189	0.192	0.193	0.180	8.87
27)	2,4-Dimethylph...		0.305	0.327	0.337	0.328	0.328	0.327	0.323	0.325	3.06
28)	bis(2-Chloroet...		0.425	0.439	0.454	0.439	0.442	0.426	0.436	0.437	2.28
29) C	2,4-Dichloroph...		0.298	0.322	0.335	0.331	0.330	0.330	0.328	0.325	3.81
30)	1,2,4-Trichlor...		0.331	0.337	0.337	0.330	0.325	0.328	0.328	0.331	1.36
31)	Naphthalene		1.080	1.114	1.115	1.073	1.073	1.059	1.052	1.081	2.30
32)	Benzoic acid			0.209	0.268	0.276	0.276	0.329	0.285	0.274	14.03
33)	4-Chloroaniline		0.429	0.461	0.479	0.472	0.463	0.458	0.457	0.460	3.45
34) C	Hexachlorobuta...		0.213	0.218	0.219	0.215	0.211	0.212	0.219	0.215	1.65
35)	Caprolactam			0.113	0.123	0.117	0.118	0.114	0.113	0.116	3.36
36) C	4-Chloro-3-met...		0.314	0.342	0.366	0.354	0.356	0.344	0.342	0.345	4.75
37)	2-Methylnaphth...		0.732	0.791	0.804	0.773	0.773	0.746	0.744	0.766	3.47
38)	1-Methylnaphth...		0.735	0.767	0.785	0.763	0.746	0.729	0.719	0.749	3.17

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
 Method File : 8270E-BP111825.M

39) I	Acenaphthene-d10	-----ISTD-----								
40)	1,2,4,5-Tetrac...	0.607	0.610	0.613	0.597	0.594	0.610	0.603	0.605	1.19
41) P	Hexachlorocycl...		0.347	0.382	0.396	0.396	0.418	0.436	0.396	7.76
42) S	2,4,6-Tribromo...	0.241	0.253	0.273	0.264	0.262	0.260	0.262	0.259	3.87
43) C	2,4,6-Trichlor...	0.380	0.404	0.431	0.420	0.420	0.426	0.420	0.415	4.21
44)	2,4,5-Trichlor...	0.428	0.454	0.482	0.467	0.469	0.473	0.468	0.463	3.72
45) S	2-Fluorobiphenyl	1.430	1.442	1.453	1.337	1.317	1.325	1.249	1.365	5.68
46)	1,1'-Biphenyl	1.499	1.540	1.580	1.489	1.469	1.504	1.460	1.506	2.78
47)	2-Chloronaphth...	1.167	1.215	1.217	1.169	1.164	1.195	1.162	1.184	2.04
48)	2-Nitroaniline	0.289	0.310	0.345	0.338	0.336	0.349	0.339	0.329	6.58
49)	Acenaphthylene	1.890	1.987	2.051	1.947	1.943	1.951	1.906	1.953	2.74
50)	Dimethylphthalate	1.470	1.517	1.573	1.494	1.470	1.470	1.462	1.494	2.66
51)	2,6-Dinitrotol...	0.235	0.267	0.310	0.315	0.312	0.313	0.319	0.296	10.85
52) C	Acenaphthene	1.139	1.182	1.180	1.138	1.141	1.153	1.081	1.145	2.95
53)	3-Nitroaniline	0.286	0.330	0.368	0.362	0.364	0.368	0.362	0.349	8.74
54) P	2,4-Dinitrophenol		0.124	0.174	0.186	0.187	0.194	0.208	0.179	16.32
55)	Dibenzofuran	1.779	1.832	1.880	1.765	1.763	1.738	1.654	1.773	4.02
56) P	4-Nitrophenol		0.290	0.331	0.316	0.314	0.324	0.317	0.315	4.47
57)	2,4-Dinitrotol...	0.362	0.407	0.469	0.467	0.464	0.465	0.459	0.442	9.40
58)	Fluorene	1.447	1.490	1.500	1.380	1.374	1.351	1.267	1.401	5.94
59)	2,3,4,6-Tetrac...	0.361	0.391	0.409	0.400	0.397	0.396	0.394	0.393	3.80
60)	Diethylphthalate	1.493	1.507	1.592	1.522	1.493	1.462	1.465	1.505	2.92
61)	4-Chlorophenyl...	0.718	0.717	0.741	0.693	0.691	0.673	0.648	0.697	4.47
62)	4-Nitroaniline	0.313	0.359	0.394	0.365	0.368	0.376	0.358	0.362	6.90
63)	Azobenzene	1.200	1.276	1.346	1.290	1.279	1.252	1.240	1.269	3.58
64) I	Phenanthrene-d10	-----ISTD-----								
65)	4,6-Dinitro-2-...		0.099	0.123	0.134	0.132	0.134	0.141	0.127	11.84
66) c	n-Nitrosodiphe...	0.598	0.640	0.641	0.624	0.610	0.609	0.610	0.619	2.70
67)	4-Bromophenyl-...	0.208	0.219	0.223	0.229	0.221	0.221	0.229	0.221	3.29
68)	Hexachlorobenzene	0.243	0.260	0.260	0.265	0.255	0.254	0.263	0.257	2.91
69)	Atrazine	0.217	0.232	0.247	0.238	0.233	0.229	0.237	0.233	3.94
70) C	Pentachlorophenol		0.170	0.179	0.183	0.179	0.180	0.187	0.180	3.30
71)	Phenanthrene	1.128	1.179	1.179	1.122	1.102	1.089	1.087	1.127	3.43
72)	Anthracene	1.122	1.194	1.198	1.171	1.122	1.134	1.102	1.149	3.33
73)	Carbazole	1.083	1.178	1.151	1.105	1.045	1.050	1.030	1.091	5.15
74)	Di-n-butylphth...	1.219	1.290	1.372	1.358	1.304	1.223	1.290	1.294	4.57
75) C	Fluoranthene	1.383	1.464	1.452	1.369	1.308	1.319	1.287	1.369	5.09
76) I	Chrysene-d12	-----ISTD-----								
77)	Benzidine		0.727	0.733	0.616	0.631	0.594	0.508	0.635	13.43
78)	Pyrene	1.266	1.318	1.375	1.331	1.309	1.302	1.277	1.311	2.75
79) S	Terphenyl-d14	1.024	1.037	1.061	0.990	0.971	0.918	0.866	0.981	7.08
80)	Butylbenzylpht...	0.546	0.552	0.612	0.603	0.588	0.555	0.587	0.578	4.60
81)	Benzo(a)anthra...	1.373	1.401	1.437	1.376	1.349	1.350	1.328	1.374	2.65
82)	3,3'-Dichlorob...		0.513	0.526	0.500	0.492	0.491	0.475	0.500	3.61
83)	Chrysene	1.298	1.336	1.341	1.284	1.266	1.279	1.257	1.295	2.54
84)	Bis(2-ethylhex...	0.842	0.825	0.918	0.933	0.876	0.814	0.911	0.874	5.48
85) c	Di-n-octyl pht...		1.414	1.572	1.581	1.553	1.467	1.584	1.529	4.64

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP111825.M

86) I	Perylene-d12	-----ISTD-----								
87)	Indeno(1,2,3-c...	1.442	1.484	1.538	1.511	1.483	1.531	1.511	1.500	2.21
88)	Benzo(b)fluora...	1.190	1.226	1.271	1.237	1.222	1.200	1.180	1.218	2.57
89)	Benzo(k)fluora...	1.206	1.228	1.275	1.213	1.213	1.192	1.189	1.217	2.38
90) C	Benzo(a)pyrene	1.121	1.153	1.198	1.168	1.147	1.146	1.142	1.154	2.10
91)	Dibenzo(a,h)an...	1.177	1.220	1.274	1.237	1.209	1.245	1.232	1.228	2.48
92)	Benzo(g,h,i)pe...	1.175	1.230	1.253	1.223	1.185	1.244	1.234	1.220	2.41

(#) = Out of Range

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>REMI01</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3719</u>
Instrument ID:	<u>BNA_F</u>	Calibration Date/Time:	<u>11/26/2025 13:30</u>
Lab File ID:	<u>BF144358.D</u>	Init. Calib. Date(s):	<u>11/05/2025 11/05/2025</u>
EPA Sample No.:	<u>SSTDCCC040</u>	Init. Calib. Time(s):	<u>12:50 16:49</u>
GC Column:	<u>DB-UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.278	1.275		-0.2	
Benzaldehyde	0.818	0.878		7.3	
Phenol-d6	1.448	1.387		-4.2	
Phenol	1.769	1.736		-1.9	20.0
bis(2-Chloroethyl)ether	1.289	1.314		1.9	
2-Chlorophenol	1.253	1.227		-2.1	
2-Methylphenol	0.997	0.994		-0.3	
2,2-oxybis(1-Chloropropane)	2.374	2.427		2.2	
Acetophenone	0.429	0.417		-2.8	
3+4-Methylphenols	1.175	1.113		-5.3	
n-Nitroso-di-n-propylamine	0.953	0.878	0.050	-7.9	
Nitrobenzene-d5	0.346	0.346		0.0	
Hexachloroethane	0.515	0.493		-4.3	
Nitrobenzene	0.376	0.374		-0.5	
Isophorone	0.655	0.663		1.2	
2-Nitrophenol	0.186	0.198		6.5	20.0
2,4-Dimethylphenol	0.279	0.283		1.4	
bis(2-Chloroethoxy)methane	0.409	0.426		4.2	
2,4-Dichlorophenol	0.322	0.322		0.0	20.0
Naphthalene	0.951	0.951		0.0	
4-Chloroaniline	0.347	0.359		3.5	
Hexachlorobutadiene	0.249	0.230		-7.6	20.0
Caprolactam	0.088	0.094		6.8	
4-Chloro-3-methylphenol	0.288	0.295		2.4	20.0
2-Methylnaphthalene	0.636	0.643		1.1	
Hexachlorocyclopentadiene	0.195	0.174	0.050	-10.8	
2,4,6-Trichlorophenol	0.446	0.435		-2.5	20.0
2-Fluorobiphenyl	1.354	1.265		-6.6	
2,4,5-Trichlorophenol	0.481	0.457		-5.0	
1,1-Biphenyl	1.396	1.350		-3.3	
2-Chloronaphthalene	1.191	1.157		-2.9	
2-Nitroaniline	0.344	0.347		0.9	
Dimethylphthalate	1.325	1.353		2.1	
Acenaphthylene	1.623	1.633		0.6	
2,6-Dinitrotoluene	0.268	0.277		3.4	
3-Nitroaniline	0.293	0.310		5.8	
Acenaphthene	1.085	1.003		-7.6	20.0
2,4-Dinitrophenol	0.162	0.185	0.050	14.2	
4-Nitrophenol	0.212	0.202	0.050	-4.7	

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>REMI01</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3719</u>
Instrument ID:	<u>BNA_F</u>	Calibration Date/Time:	<u>11/26/2025 13:30</u>
Lab File ID:	<u>BF144358.D</u>	Init. Calib. Date(s):	<u>11/05/2025 11/05/2025</u>
EPA Sample No.:	<u>SSTDCCC040</u>	Init. Calib. Time(s):	<u>12:50 16:49</u>
GC Column:	<u>DB-UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.520	1.493		-1.8	
2,4-Dinitrotoluene	0.359	0.375		4.5	
Diethylphthalate	1.221	1.264		3.5	
4-Chlorophenyl-phenylether	0.658	0.634		-3.6	
Fluorene	1.156	1.157		0.1	
4-Nitroaniline	0.279	0.289		3.6	
4,6-Dinitro-2-methylphenol	0.136	0.122		-10.3	
n-Nitrosodiphenylamine	0.643	0.634		-1.4	20.0
2,4,6-Tribromophenol	0.251	0.239		-4.8	
4-Bromophenyl-phenylether	0.255	0.239		-6.3	
Hexachlorobenzene	0.301	0.275		-8.6	
Atrazine	0.205	0.195		-4.9	
Pentachlorophenol	0.150	0.146		-2.7	20.0
Phenanthrene	0.996	0.978		-1.8	
Anthracene	1.013	1.014		0.1	
Carbazole	0.861	0.847		-1.6	
Di-n-butylphthalate	1.041	1.117		7.3	
Fluoranthene	1.029	0.987		-4.1	20.0
Pyrene	1.613	1.676		3.9	
Terphenyl-d14	1.259	1.262		0.2	
Butylbenzylphthalate	0.559	0.635		13.6	
3,3-Dichlorobenzidine	0.475	0.485		2.1	
Benzo (a) anthracene	1.386	1.411		1.8	
Chrysene	1.280	1.361		6.3	
Bis(2-ethylhexyl)phthalate	0.765	0.880		15.0	
Di-n-octyl phthalate	1.320	1.540		16.7	20.0
Benzo (b) fluoranthene	1.137	1.103		-3.0	
Benzo (k) fluoranthene	1.064	1.092		2.6	
Benzo (a) pyrene	1.049	1.056		0.7	20.0
Indeno (1,2,3-cd) pyrene	1.436	1.361		-5.2	
Dibenzo (a,h) anthracene	1.153	1.094		-5.1	
Benzo (g,h,i) perylene	1.139	1.080		-5.2	
1,2,4,5-Tetrachlorobenzene	0.655	0.616		-6.0	
1,4-Dioxane	0.528	0.543		2.8	20.0
2,3,4,6-Tetrachlorophenol	0.340	0.336		-1.2	

All other compounds must meet a minimum RRF of 0.010.

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>REMI01</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3719</u>
Instrument ID:	<u>BNA_F</u>	Calibration Date/Time:	<u>12/01/2025 12:41</u>
Lab File ID:	<u>BF144382.D</u>	Init. Calib. Date(s):	<u>11/05/2025 11/05/2025</u>
EPA Sample No.:	<u>SSTDCCC040</u>	Init. Calib. Time(s):	<u>12:50 16:49</u>
GC Column:	<u>DB-UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.278	1.337		4.6	
Benzaldehyde	0.818	0.992		21.3	
Phenol-d6	1.448	1.478		2.1	
Phenol	1.769	1.809		2.3	20.0
bis(2-Chloroethyl)ether	1.289	1.354		5.0	
2-Chlorophenol	1.253	1.315		4.9	
2-Methylphenol	0.997	1.010		1.3	
2,2-oxybis(1-Chloropropane)	2.374	2.447		3.1	
Acetophenone	0.429	0.416		-3.0	
3+4-Methylphenols	1.175	1.167		-0.7	
n-Nitroso-di-n-propylamine	0.953	0.893	0.050	-6.3	
Nitrobenzene-d5	0.346	0.348		0.6	
Hexachloroethane	0.515	0.514		-0.2	
Nitrobenzene	0.376	0.380		1.1	
Isophorone	0.655	0.652		-0.5	
2-Nitrophenol	0.186	0.197		5.9	20.0
2,4-Dimethylphenol	0.279	0.287		2.9	
bis(2-Chloroethoxy)methane	0.409	0.424		3.7	
2,4-Dichlorophenol	0.322	0.323		0.3	20.0
Naphthalene	0.951	0.962		1.2	
4-Chloroaniline	0.347	0.353		1.7	
Hexachlorobutadiene	0.249	0.229		-8.0	20.0
Caprolactam	0.088	0.089		1.1	
4-Chloro-3-methylphenol	0.288	0.288		0.0	20.0
2-Methylnaphthalene	0.636	0.626		-1.6	
Hexachlorocyclopentadiene	0.195	0.158	0.050	-19.0	
2,4,6-Trichlorophenol	0.446	0.435		-2.5	20.0
2-Fluorobiphenyl	1.354	1.305		-3.6	
2,4,5-Trichlorophenol	0.481	0.458		-4.8	
1,1-Biphenyl	1.396	1.414		1.3	
2-Chloronaphthalene	1.191	1.192		0.1	
2-Nitroaniline	0.344	0.355		3.2	
Dimethylphthalate	1.325	1.270		-4.2	
Acenaphthylene	1.623	1.610		-0.8	
2,6-Dinitrotoluene	0.268	0.269		0.4	
3-Nitroaniline	0.293	0.301		2.7	
Acenaphthene	1.085	0.988		-8.9	20.0
2,4-Dinitrophenol	0.162	0.179	0.050	10.5	
4-Nitrophenol	0.212	0.193	0.050	-9.0	

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>REMI01</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3719</u>
Instrument ID:	<u>BNA_F</u>	Calibration Date/Time:	<u>12/01/2025 12:41</u>
Lab File ID:	<u>BF144382.D</u>	Init. Calib. Date(s):	<u>11/05/2025 11/05/2025</u>
EPA Sample No.:	<u>SSTDCCC040</u>	Init. Calib. Time(s):	<u>12:50 16:49</u>
GC Column:	<u>DB-UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.520	1.474		-3.0	
2,4-Dinitrotoluene	0.359	0.357		-0.6	
Diethylphthalate	1.221	1.149		-5.9	
4-Chlorophenyl-phenylether	0.658	0.619		-5.9	
Fluorene	1.156	1.117		-3.4	
4-Nitroaniline	0.279	0.277		-0.7	
4,6-Dinitro-2-methylphenol	0.136	0.127		-6.6	
n-Nitrosodiphenylamine	0.643	0.665		3.4	20.0
2,4,6-Tribromophenol	0.251	0.225		-10.4	
4-Bromophenyl-phenylether	0.255	0.248		-2.7	
Hexachlorobenzene	0.301	0.292		-3.0	
Atrazine	0.205	0.188		-8.3	
Pentachlorophenol	0.150	0.158		5.3	20.0
Phenanthrene	0.996	1.001		0.5	
Anthracene	1.013	1.018		0.5	
Carbazole	0.861	0.877		1.9	
Di-n-butylphthalate	1.041	1.043		0.2	
Fluoranthene	1.029	1.028		-0.1	20.0
Pyrene	1.613	1.464		-9.2	
Terphenyl-d14	1.259	1.094		-13.1	
Butylbenzylphthalate	0.559	0.542		-3.0	
3,3-Dichlorobenzidine	0.475	0.489		2.9	
Benzo (a) anthracene	1.386	1.414		2.0	
Chrysene	1.280	1.240		-3.1	
Bis(2-ethylhexyl)phthalate	0.765	0.774		1.2	
Di-n-octyl phthalate	1.320	1.422		7.7	20.0
Benzo (b) fluoranthene	1.137	1.133		-0.4	
Benzo (k) fluoranthene	1.064	1.064		0.0	
Benzo (a) pyrene	1.049	1.056		0.7	20.0
Indeno (1,2,3-cd) pyrene	1.436	1.369		-4.7	
Dibenzo (a,h) anthracene	1.153	1.112		-3.6	
Benzo (g,h,i) perylene	1.139	1.089		-4.4	
1,2,4,5-Tetrachlorobenzene	0.655	0.626		-4.4	
1,4-Dioxane	0.528	0.582		10.2	20.0
2,3,4,6-Tetrachlorophenol	0.340	0.311		-8.5	

All other compounds must meet a minimum RRF of 0.010.

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>REMI01</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3719</u>
Instrument ID:	<u>BNA_F</u>	Calibration Date/Time:	<u>12/02/2025 11:00</u>
Lab File ID:	<u>BF144398.D</u>	Init. Calib. Date(s):	<u>11/05/2025 11/05/2025</u>
EPA Sample No.:	<u>SSTDCCC040</u>	Init. Calib. Time(s):	<u>12:50 16:49</u>
GC Column:	<u>DB-UI</u>	ID:	<u>0.18 (mm)</u>

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.278	1.347		5.4	
Benzaldehyde	0.818	1.015		24.1	
Phenol-d6	1.448	1.447		-0.1	
Phenol	1.769	1.782		0.7	20.0
bis(2-Chloroethyl)ether	1.289	1.331		3.3	
2-Chlorophenol	1.253	1.305		4.2	
2-Methylphenol	0.997	0.964		-3.3	
2,2-oxybis(1-Chloropropane)	2.374	2.359		-0.6	
Acetophenone	0.429	0.418		-2.6	
3+4-Methylphenols	1.175	1.125		-4.3	
n-Nitroso-di-n-propylamine	0.953	0.832	0.050	-12.7	
Nitrobenzene-d5	0.346	0.347		0.3	
Hexachloroethane	0.515	0.505		-1.9	
Nitrobenzene	0.376	0.381		1.3	
Isophorone	0.655	0.620		-5.3	
2-Nitrophenol	0.186	0.196		5.4	20.0
2,4-Dimethylphenol	0.279	0.269		-3.6	
bis(2-Chloroethoxy)methane	0.409	0.408		-0.2	
2,4-Dichlorophenol	0.322	0.317		-1.6	20.0
Naphthalene	0.951	0.945		-0.6	
4-Chloroaniline	0.347	0.336		-3.2	
Hexachlorobutadiene	0.249	0.234		-6.0	20.0
Caprolactam	0.088	0.081		-8.0	
4-Chloro-3-methylphenol	0.288	0.268		-6.9	20.0
2-Methylnaphthalene	0.636	0.611		-3.9	
Hexachlorocyclopentadiene	0.195	0.161	0.050	-17.4	
2,4,6-Trichlorophenol	0.446	0.445		-0.2	20.0
2-Fluorobiphenyl	1.354	1.343		-0.8	
2,4,5-Trichlorophenol	0.481	0.475		-1.2	
1,1-Biphenyl	1.396	1.431		2.5	
2-Chloronaphthalene	1.191	1.208		1.4	
2-Nitroaniline	0.344	0.343		-0.3	
Dimethylphthalate	1.325	1.278		-3.5	
Acenaphthylene	1.623	1.628		0.3	
2,6-Dinitrotoluene	0.268	0.267		-0.4	
3-Nitroaniline	0.293	0.294		0.3	
Acenaphthene	1.085	1.004		-7.5	20.0
2,4-Dinitrophenol	0.162	0.178	0.050	9.9	
4-Nitrophenol	0.212	0.180	0.050	-15.1	

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>REMI01</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3719</u>
Instrument ID:	<u>BNA_F</u>	Calibration Date/Time:	<u>12/02/2025 11:00</u>
Lab File ID:	<u>BF144398.D</u>	Init. Calib. Date(s):	<u>11/05/2025 11/05/2025</u>
EPA Sample No.:	<u>SSTDCCC040</u>	Init. Calib. Time(s):	<u>12:50 16:49</u>
GC Column:	<u>DB-UI</u>	ID:	<u>0.18 (mm)</u>

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.520	1.481		-2.6	
2,4-Dinitrotoluene	0.359	0.346		-3.6	
Diethylphthalate	1.221	1.124		-7.9	
4-Chlorophenyl-phenylether	0.658	0.619		-5.9	
Fluorene	1.156	1.148		-0.7	
4-Nitroaniline	0.279	0.276		-1.1	
4,6-Dinitro-2-methylphenol	0.136	0.128		-5.9	
n-Nitrosodiphenylamine	0.643	0.677		5.3	20.0
2,4,6-Tribromophenol	0.251	0.228		-9.2	
4-Bromophenyl-phenylether	0.255	0.245		-3.9	
Hexachlorobenzene	0.301	0.306		1.7	
Atrazine	0.205	0.184		-10.2	
Pentachlorophenol	0.150	0.151		0.7	20.0
Phenanthrene	0.996	1.008		1.2	
Anthracene	1.013	1.031		1.8	
Carbazole	0.861	0.899		4.4	
Di-n-butylphthalate	1.041	1.022		-1.8	
Fluoranthene	1.029	1.073		4.3	20.0
Pyrene	1.613	1.388		-13.9	
Terphenyl-d14	1.259	1.030		-18.2	
Butylbenzylphthalate	0.559	0.521		-6.8	
3,3-Dichlorobenzidine	0.475	0.513		8.0	
Benzo (a) anthracene	1.386	1.401		1.1	
Chrysene	1.280	1.302		1.7	
Bis(2-ethylhexyl)phthalate	0.765	0.739		-3.4	
Di-n-octyl phthalate	1.320	1.358		2.9	20.0
Benzo (b) fluoranthene	1.137	1.071		-5.8	
Benzo (k) fluoranthene	1.064	1.070		0.6	
Benzo (a) pyrene	1.049	1.060		1.0	20.0
Indeno (1,2,3-cd) pyrene	1.436	1.365		-4.9	
Dibenzo (a,h) anthracene	1.153	1.115		-3.3	
Benzo (g,h,i) perylene	1.139	1.088		-4.5	
1,2,4,5-Tetrachlorobenzene	0.655	0.673		2.7	
1,4-Dioxane	0.528	0.567		7.4	20.0
2,3,4,6-Tetrachlorophenol	0.340	0.313		-7.9	

All other compounds must meet a minimum RRF of 0.010.

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>REMI01</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3719</u>
Instrument ID:	<u>BNA_P</u>	Calibration Date/Time:	<u>12/01/2025 14:09</u>
Lab File ID:	<u>BP026197.D</u>	Init. Calib. Date(s):	<u>11/18/2025 11/18/2025</u>
EPA Sample No.:	<u>SSTDCCC040</u>	Init. Calib. Time(s):	<u>14:31 21:22</u>
GC Column:	<u>ZB-GR</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.246	1.183		-5.1	
Benzaldehyde	0.831	0.844		1.6	
Phenol-d6	1.586	1.496		-5.7	
Phenol	1.709	1.612		-5.7	20.0
bis(2-Chloroethyl)ether	1.338	1.312		-1.9	
2-Chlorophenol	1.418	1.381		-2.6	
2-Methylphenol	1.163	1.110		-4.6	
2,2-oxybis(1-Chloropropane)	1.879	1.879		0.0	
Acetophenone	0.508	0.500		-1.6	
3+4-Methylphenols	1.612	1.495		-7.3	
n-Nitroso-di-n-propylamine	0.985	0.953	0.050	-3.2	
Nitrobenzene-d5	0.352	0.352		0.0	
Hexachloroethane	0.560	0.573		2.3	
Nitrobenzene	0.356	0.356		0.0	
Isophorone	0.698	0.683		-2.1	
2-Nitrophenol	0.180	0.175		-2.8	20.0
2,4-Dimethylphenol	0.325	0.289		-11.1	
bis(2-Chloroethoxy)methane	0.437	0.426		-2.5	
2,4-Dichlorophenol	0.325	0.323		-0.6	20.0
Naphthalene	1.081	1.080		-0.1	
4-Chloroaniline	0.460	0.432		-6.1	
Hexachlorobutadiene	0.215	0.227		5.6	20.0
Caprolactam	0.116	0.105		-9.5	
4-Chloro-3-methylphenol	0.345	0.334		-3.2	20.0
2-Methylnaphthalene	0.766	0.763		-0.4	
Hexachlorocyclopentadiene	0.396	0.358	0.050	-9.6	
2,4,6-Trichlorophenol	0.415	0.422		1.7	20.0
2-Fluorobiphenyl	1.365	1.415		3.7	
2,4,5-Trichlorophenol	0.463	0.466		0.6	
1,1-Biphenyl	1.506	1.511		0.3	
2-Chloronaphthalene	1.184	1.183		-0.1	
2-Nitroaniline	0.329	0.316		-4.0	
Dimethylphthalate	1.494	1.496		0.1	
Acenaphthylene	1.953	1.984		1.6	
2,6-Dinitrotoluene	0.296	0.297		0.3	
3-Nitroaniline	0.349	0.327		-6.3	
Acenaphthene	1.145	1.146		0.1	20.0
2,4-Dinitrophenol	0.179	0.160	0.050	-10.6	
4-Nitrophenol	0.315	0.265	0.050	-15.9	

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>REMI01</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3719</u>
Instrument ID:	<u>BNA_P</u>	Calibration Date/Time:	<u>12/01/2025 14:09</u>
Lab File ID:	<u>BP026197.D</u>	Init. Calib. Date(s):	<u>11/18/2025 11/18/2025</u>
EPA Sample No.:	<u>SSTDCCC040</u>	Init. Calib. Time(s):	<u>14:31 21:22</u>
GC Column:	<u>ZB-GR</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.773	1.788		0.8	
2,4-Dinitrotoluene	0.442	0.444		0.5	
Diethylphthalate	1.505	1.488		-1.1	
4-Chlorophenyl-phenylether	0.697	0.715		2.6	
Fluorene	1.401	1.429		2.0	
4-Nitroaniline	0.362	0.328		-9.4	
4,6-Dinitro-2-methylphenol	0.127	0.120		-5.5	
n-Nitrosodiphenylamine	0.619	0.618		-0.2	20.0
2,4,6-Tribromophenol	0.259	0.261		0.8	
4-Bromophenyl-phenylether	0.221	0.229		3.6	
Hexachlorobenzene	0.257	0.266		3.5	
Atrazine	0.233	0.231		-0.9	
Pentachlorophenol	0.180	0.179		-0.6	20.0
Phenanthrene	1.127	1.149		2.0	
Anthracene	1.149	1.145		-0.3	
Carbazole	1.091	1.074		-1.6	
Di-n-butylphthalate	1.294	1.325		2.4	
Fluoranthene	1.369	1.373		0.3	20.0
Pyrene	1.311	1.288		-1.8	
Terphenyl-d14	0.981	0.994		1.3	
Butylbenzylphthalate	0.578	0.557		-3.6	
3,3-Dichlorobenzidine	0.500	0.463		-7.4	
Benzo (a) anthracene	1.374	1.338		-2.6	
Chrysene	1.295	1.277		-1.4	
Bis(2-ethylhexyl)phthalate	0.874	0.870		-0.5	
Di-n-octyl phthalate	1.529	1.473		-3.7	20.0
Benzo (b) fluoranthene	1.218	1.215		-0.2	
Benzo (k) fluoranthene	1.217	1.260		3.5	
Benzo (a) pyrene	1.154	1.169		1.3	20.0
Indeno (1,2,3-cd) pyrene	1.500	1.526		1.7	
Dibenzo (a,h) anthracene	1.228	1.250		1.8	
Benzo (g,h,i) perylene	1.220	1.252		2.6	
1,2,4,5-Tetrachlorobenzene	0.605	0.635		5.0	
1,4-Dioxane	0.505	0.497		-1.6	20.0
2,3,4,6-Tetrachlorophenol	0.393	0.381		-3.1	

All other compounds must meet a minimum RRF of 0.010.



SAMPLE RAW DATA

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112625\
 Data File : BF144363.D
 Acq On : 26 Nov 2025 16:11
 Operator : RC/JU
 Sample : Q3719-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-1125-10A

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
 Supervised By :mohammad ahmed 12/03/2025

Quant Time: Nov 26 16:31:20 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 05 18:37:33 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	56003	20.000	ng	-0.01
21) Naphthalene-d8	8.145	136	212654	20.000	ng	-0.01
39) Acenaphthene-d10	9.898	164	113982	20.000	ng	-0.02
64) Phenanthrene-d10	11.392	188	182608	20.000	ng	-0.01
76) Chrysene-d12	14.039	240	130422	20.000	ng	#-0.01
86) Perylene-d12	15.521	264	170948	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	287848	80.432	ng	0.00
7) Phenol-d6	6.492	99	331956	81.863	ng	0.00
23) Nitrobenzene-d5	7.422	82	208508	56.629	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	103297	72.218	ng	-0.01
45) 2-Fluorobiphenyl	9.216	172	402012	52.091	ng	-0.01
79) Terphenyl-d14	12.980	244	330168	40.211	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.416	178	38380	4.221	ng	97
75) Fluoranthene	12.610	202	62680	6.674	ng	98
78) Pyrene	12.839	202	56946	5.415	ng	98
81) Benzo(a)anthracene	14.027	228	34873	3.858	ng	95
83) Chrysene	14.068	228	33772	4.047	ng	93
88) Benzo(b)fluoranthene	15.092	252	43043m	4.429	ng	
89) Benzo(k)fluoranthene	15.104	252	18624m	2.047	ng	
90) Benzo(a)pyrene	15.457	252	34099	3.803	ng	# 93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

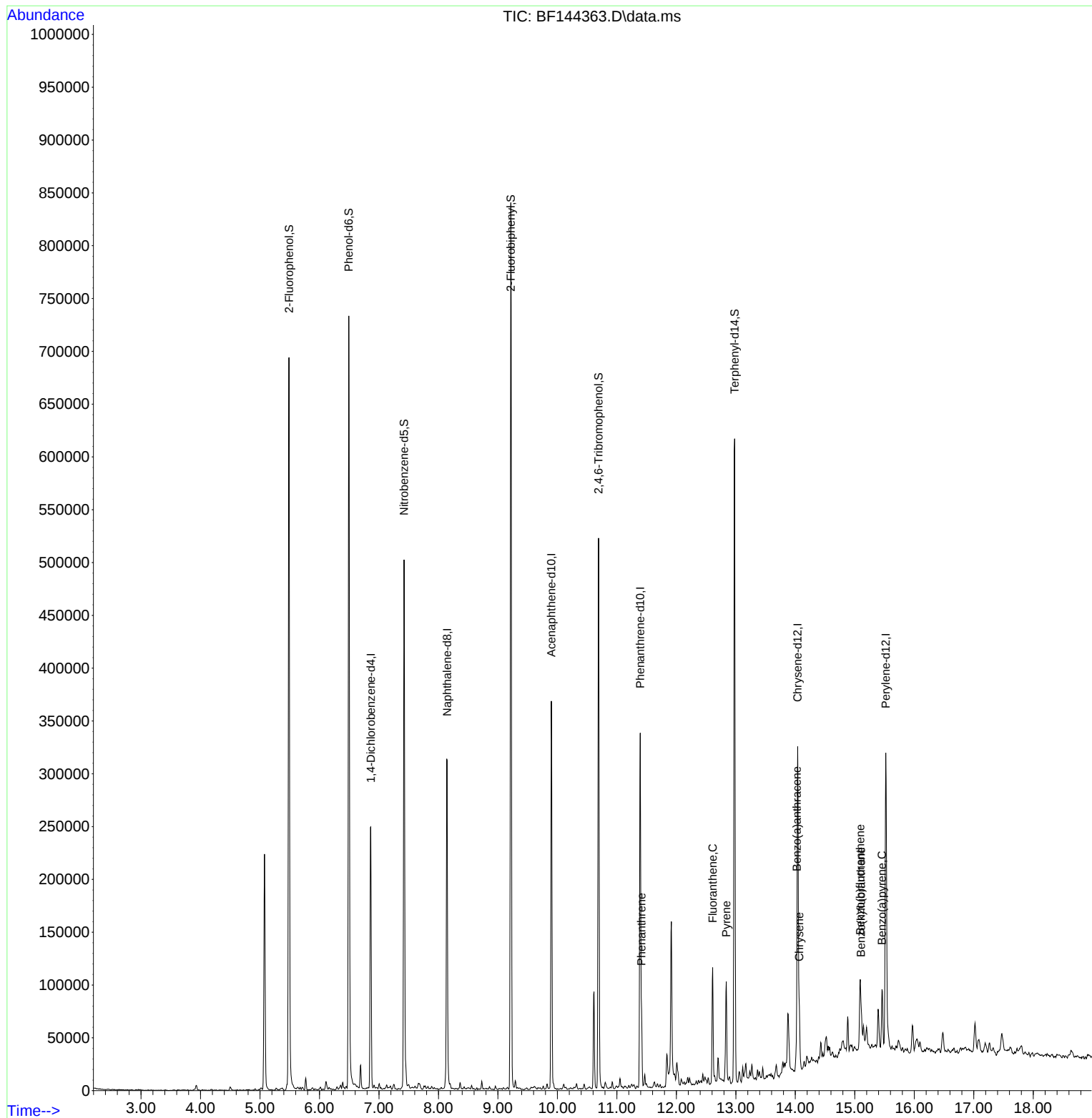
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112625\
Data File : BF144363.D
Acq On : 26 Nov 2025 16:11
Operator : RC/JU
Sample : Q3719-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-1125-10A

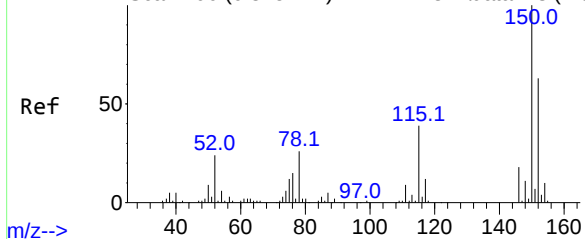
Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025

Quant Time: Nov 26 16:31:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 18:37:33 2025
Response via : Initial Calibration



Abundance Scan 796 (6.875 min): BF144173.D\data.ms (-79



#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.863 min Scan# 796

Delta R.T. -0.012 min

Lab File: BF144363.D

Acq: 26 Nov 2025 16:11

Instrument :

BNA_F

ClientSampleId :

SB-1125-10A

Tgt Ion:152 Resp: 5600

Ion Ratio Lower Upper

152 100

150 156.2 127.4 191.0

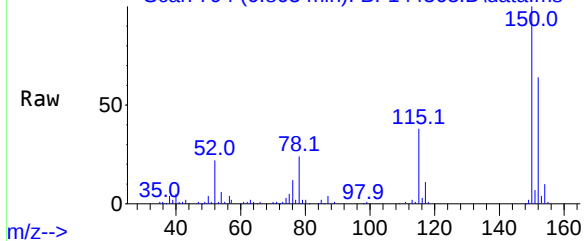
115 58.6 49.5 74.3

Manual Integrations

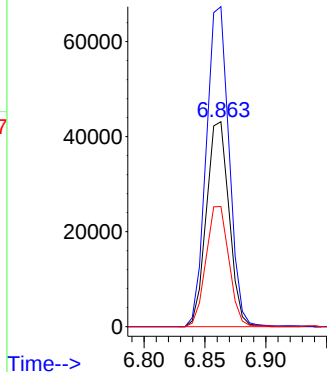
APPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025

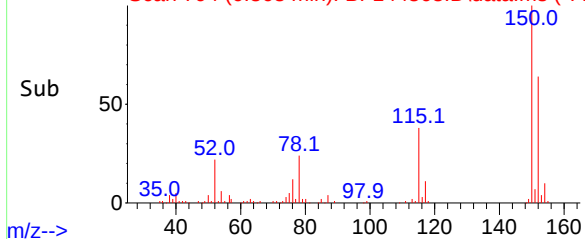
Abundance Scan 794 (6.863 min): BF144363.D\data.ms



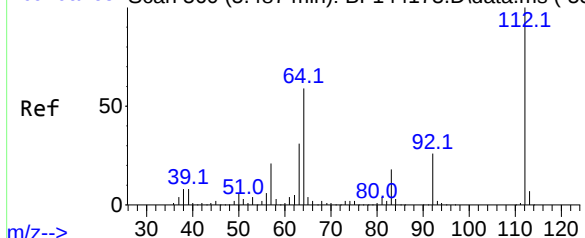
Abundance



Abundance Scan 794 (6.863 min): BF144363.D\data.ms (-77



Abundance Scan 560 (5.487 min): BF144173.D\data.ms (-55



#5

2-Fluorophenol

Concen: 80.432 ng

RT: 5.487 min Scan# 560

Delta R.T. -0.006 min

Lab File: BF144363.D

Acq: 26 Nov 2025 16:11

Tgt Ion:112 Resp: 287848

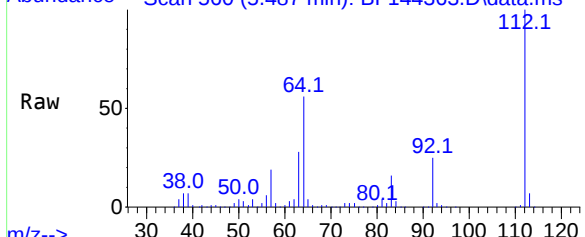
Ion Ratio Lower Upper

112 100

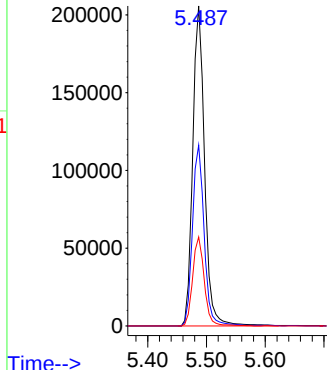
64 56.5 47.2 70.8

63 27.8 24.4 36.6

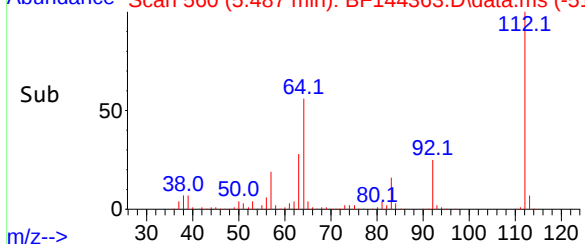
Abundance Scan 560 (5.487 min): BF144363.D\data.ms



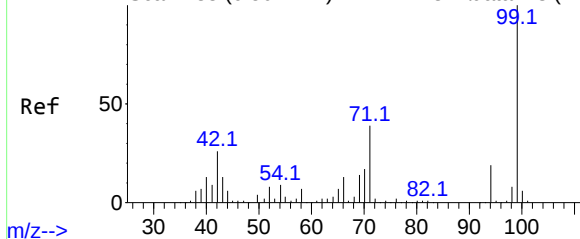
Abundance



Abundance Scan 560 (5.487 min): BF144363.D\data.ms (-51



Abundance Scan 733 (6.504 min): BF144173.D\data.ms (-72



#7

Phenol-d6

Concen: 81.863 ng

RT: 6.492 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF144363.D

Acq: 26 Nov 2025 16:11

Instrument :

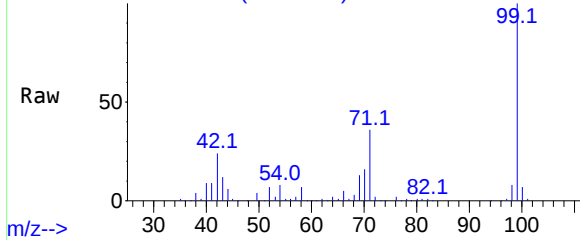
BNA_F

ClientSampleId :

SB-1125-10A

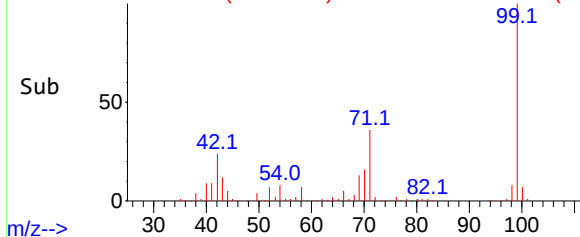
m/z-->

Abundance Scan 731 (6.492 min): BF144363.D\data.ms



m/z-->

Abundance Scan 731 (6.492 min): BF144363.D\data.ms (-68



m/z-->

Tgt Ion: 99 Resp: 331950

Ion Ratio Lower Upper

99 100

42 24.1 20.9 31.3

71 35.7 31.4 47.2

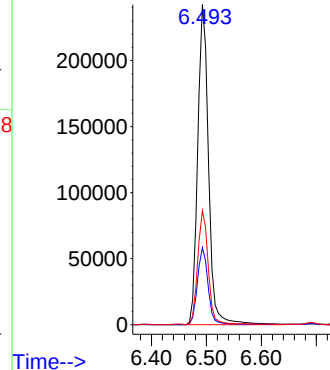
Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025

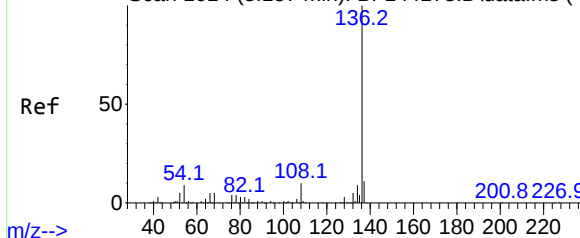
Supervised By :mohammad ahmed 12/03/2025

Abundance



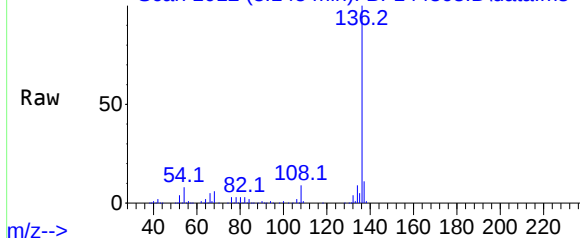
Time-->

Abundance Scan 1014 (8.157 min): BF144173.D\data.ms (-1



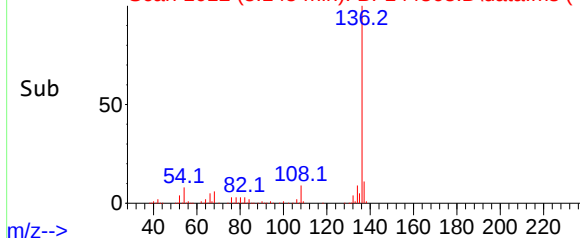
m/z-->

Abundance Scan 1012 (8.145 min): BF144363.D\data.ms



m/z-->

Abundance Scan 1012 (8.145 min): BF144363.D\data.ms (-9



m/z-->

#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.145 min Scan# 1012

Delta R.T. -0.012 min

Lab File: BF144363.D

Acq: 26 Nov 2025 16:11

Tgt Ion:136 Resp: 212654

Ion Ratio Lower Upper

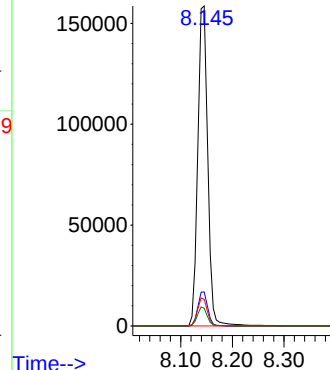
136 100

137 10.6 8.6 13.0

54 8.3 7.0 10.6

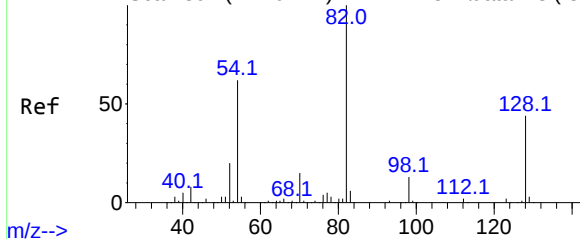
68 5.6 4.3 6.5

Abundance



Time-->

Abundance Scan 892 (7.440 min): BF144173.D\data.ms (-88



#23

Nitrobenzene-d5

Concen: 56.629 ng

RT: 7.422 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF144363.D

Acq: 26 Nov 2025 16:11

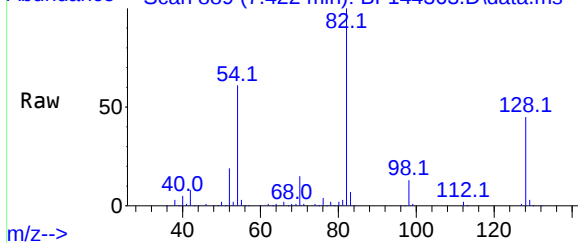
Instrument :

BNA_F

ClientSampleId :

SB-1125-10A

Abundance Scan 889 (7.422 min): BF144363.D\data.ms



Tgt Ion: 82 Resp: 208508

Ion Ratio Lower Upper

82 100

128 45.0 34.7 52.1

54 60.7 49.5 74.3

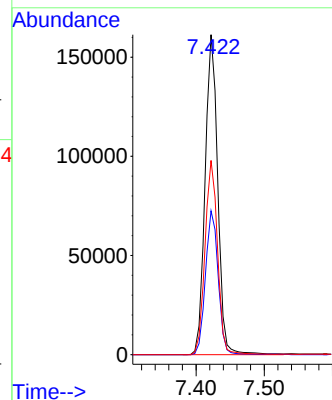
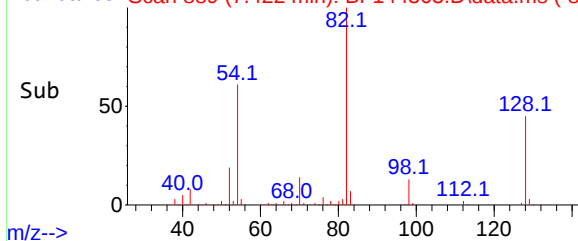
Manual Integrations

APPROVED

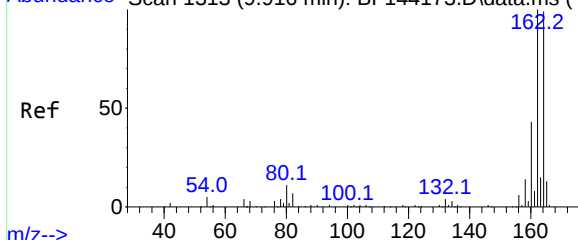
Reviewed By :Jagrut Upadhyay 12/02/2025

Supervised By :mohammad ahmed 12/03/2025

Abundance Scan 889 (7.422 min): BF144363.D\data.ms (-84



Abundance Scan 1313 (9.916 min): BF144173.D\data.ms (-1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.898 min Scan# 1310

Delta R.T. -0.018 min

Lab File: BF144363.D

Acq: 26 Nov 2025 16:11

Tgt Ion:164 Resp: 113982

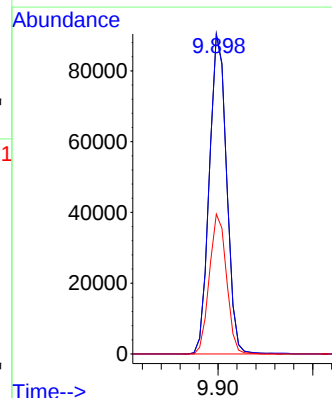
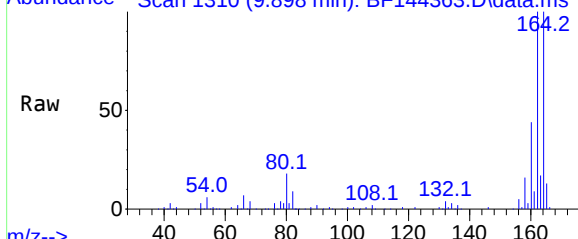
Ion Ratio Lower Upper

164 100

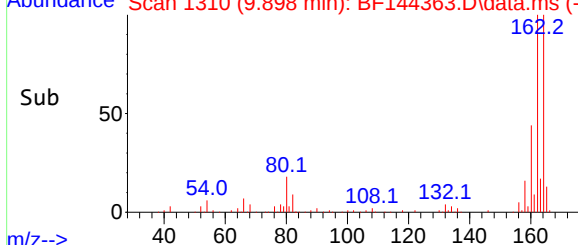
162 99.8 81.1 121.7

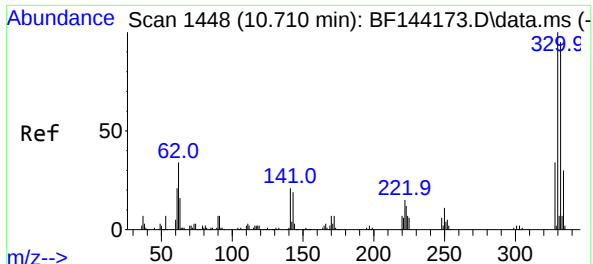
160 43.7 34.5 51.7

Abundance Scan 1310 (9.898 min): BF144363.D\data.ms



Abundance Scan 1310 (9.898 min): BF144363.D\data.ms (-1





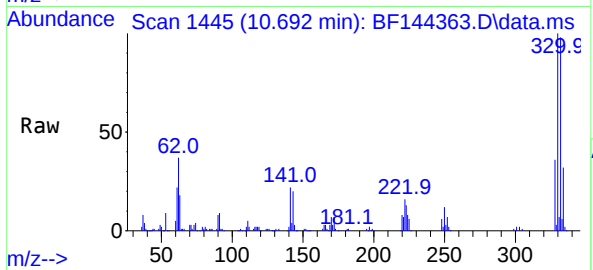
#42
2,4,6-Tribromophenol
Concen: 72.218 ng
RT: 10.692 min Scan# 1445
Delta R.T. -0.012 min
Lab File: BF144363.D
Acq: 26 Nov 2025 16:11

Instrument :

BNA_F

ClientSampleId :

SB-1125-10A

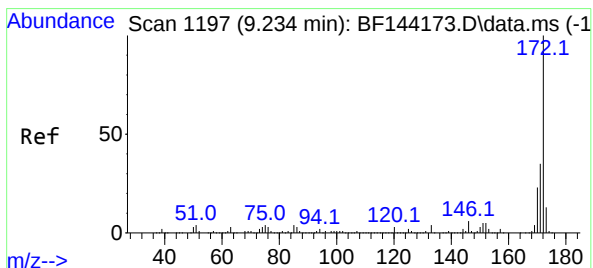
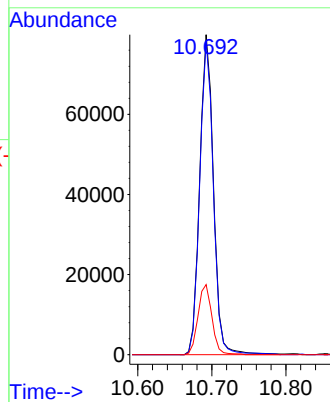
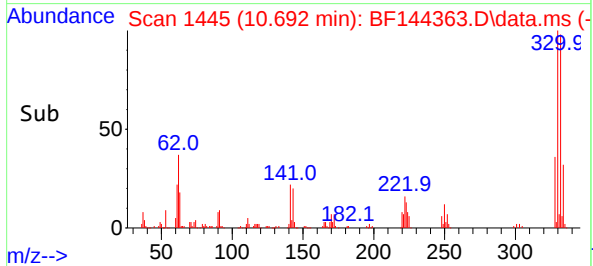


Tgt Ion:330 Resp: 103297
Ion Ratio Lower Upper
330 100
332 96.8 76.7 115.1
141 22.1 17.8 26.8

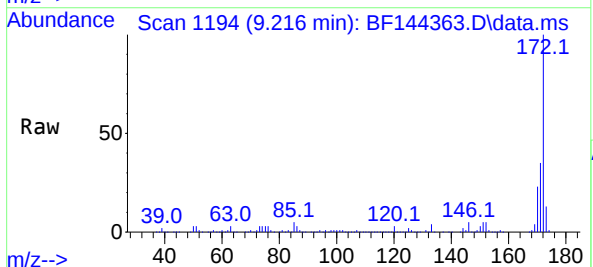
Manual Integrations

APPROVED

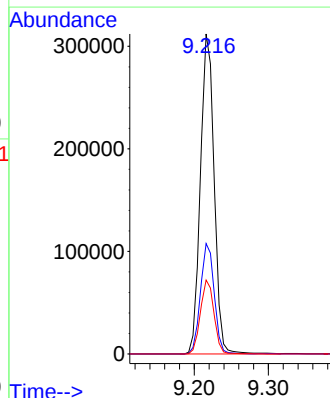
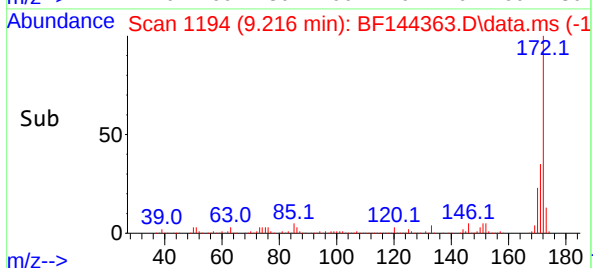
Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025

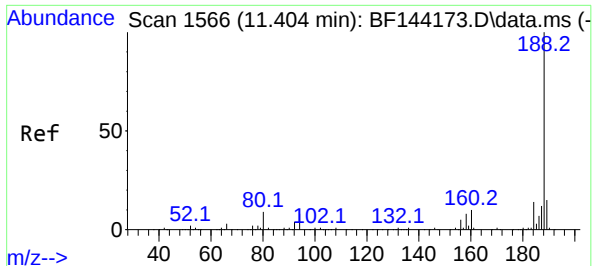


#45
2-Fluorobiphenyl
Concen: 52.091 ng
RT: 9.216 min Scan# 1194
Delta R.T. -0.012 min
Lab File: BF144363.D
Acq: 26 Nov 2025 16:11



Tgt Ion:172 Resp: 402012
Ion Ratio Lower Upper
172 100
171 34.5 28.1 42.1
170 23.1 18.6 28.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.392 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF144363.D

Acq: 26 Nov 2025 16:11

Instrument :

BNA_F

ClientSampleId :

SB-1125-10A

Tgt Ion:188 Resp: 182608

Ion Ratio Lower Upper

188 100

94 8.8 6.2 9.2

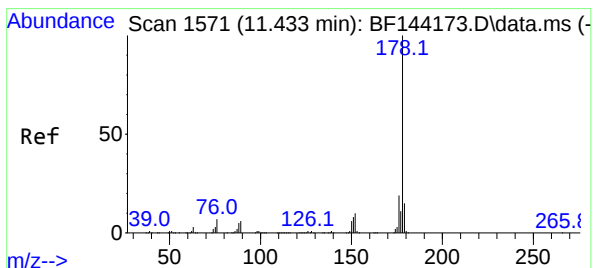
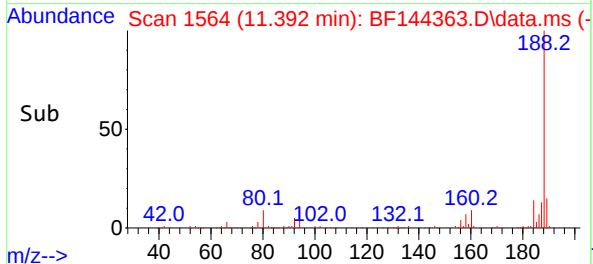
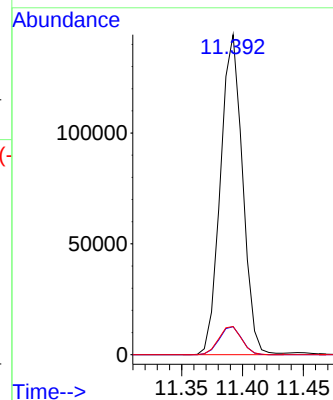
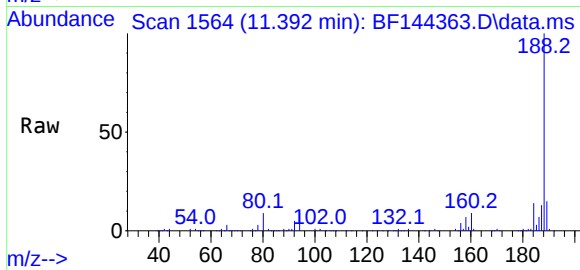
80 8.8 6.9 10.3

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025

Supervised By :mohammad ahmed 12/03/2025



#71

Phenanthrene

Concen: 4.221 ng

RT: 11.416 min Scan# 1568

Delta R.T. -0.012 min

Lab File: BF144363.D

Acq: 26 Nov 2025 16:11

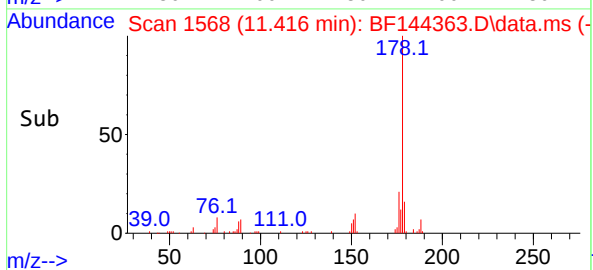
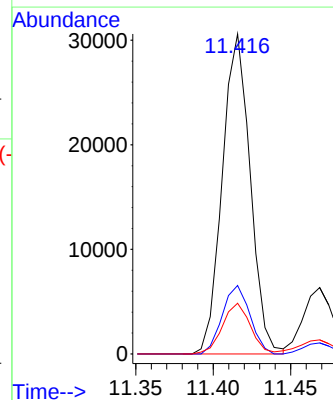
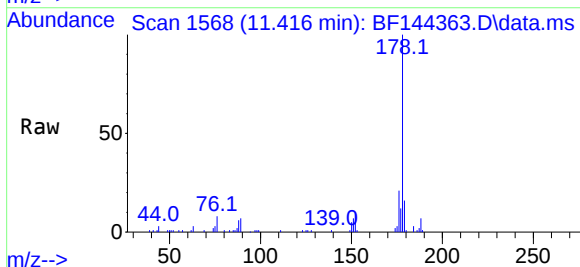
Tgt Ion:178 Resp: 38380

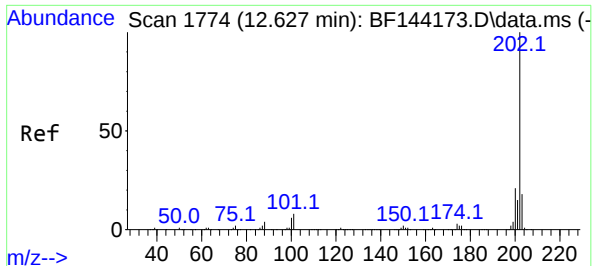
Ion Ratio Lower Upper

178 100

176 21.4 15.5 23.3

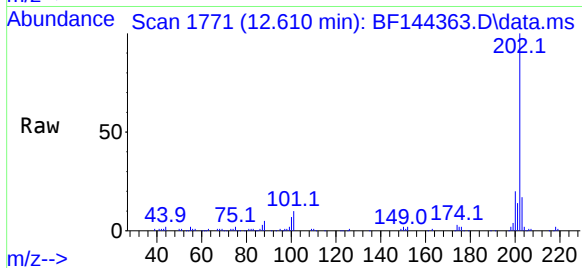
179 15.8 12.2 18.4





#75
Fluoranthene
Concen: 6.674 ng
RT: 12.610 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF144363.D
Acq: 26 Nov 2025 16:11

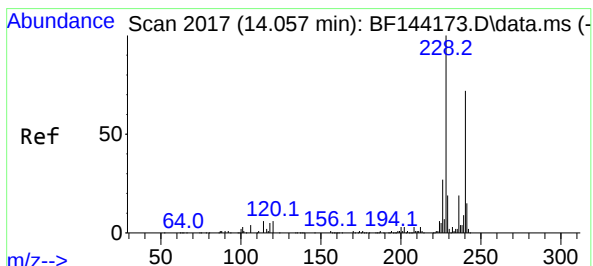
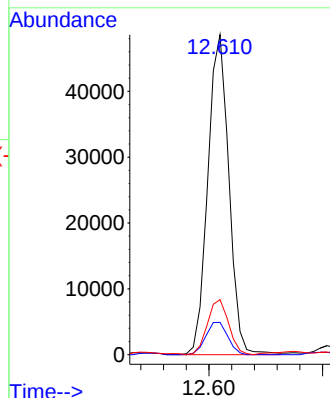
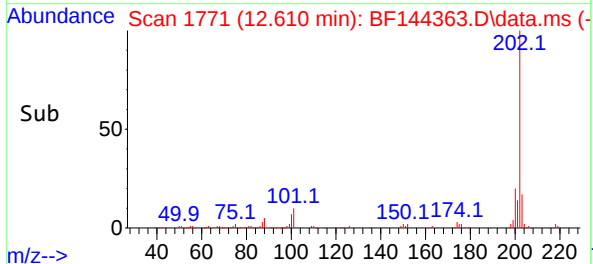
Instrument :
BNA_F
ClientSampleId :
SB-1125-10A



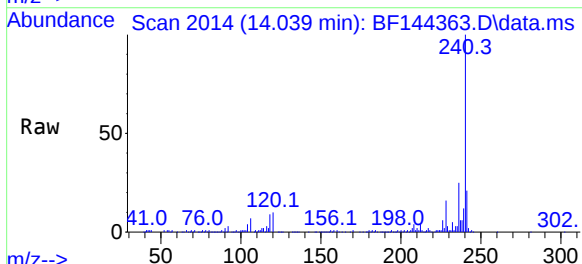
Tgt Ion:202 Resp: 62680
Ion Ratio Lower Upper
202 100
101 10.1 0.0 27.9
203 17.2 0.0 37.5

Manual Integrations
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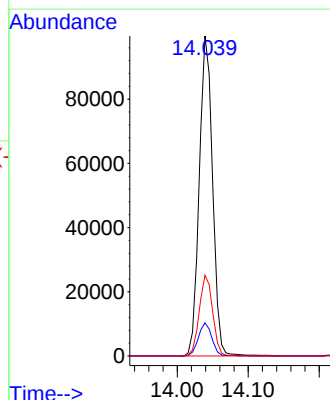
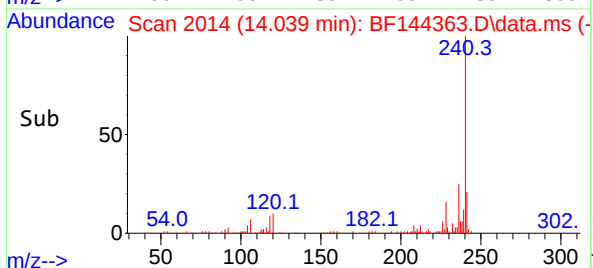
Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025

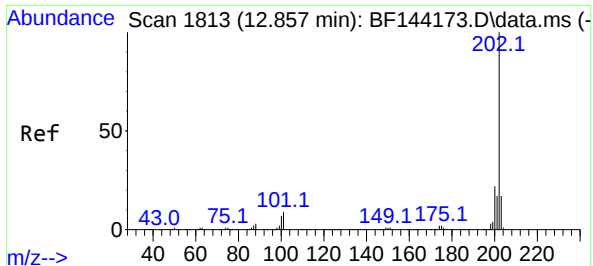


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2014
Delta R.T. -0.012 min
Lab File: BF144363.D
Acq: 26 Nov 2025 16:11



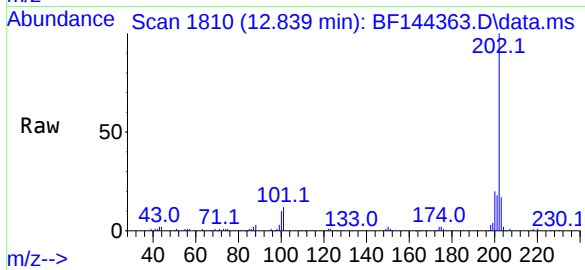
Tgt Ion:240 Resp: 130422
Ion Ratio Lower Upper
240 100
120 10.4 6.6 10.0#
236 25.2 21.4 32.2





#78
Pyrene
Concen: 5.415 ng
RT: 12.839 min Scan# 1810
Delta R.T. -0.012 min
Lab File: BF144363.D
Acq: 26 Nov 2025 16:11

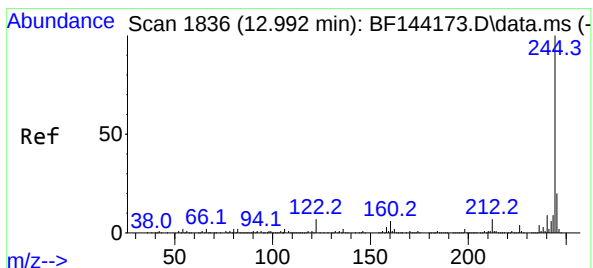
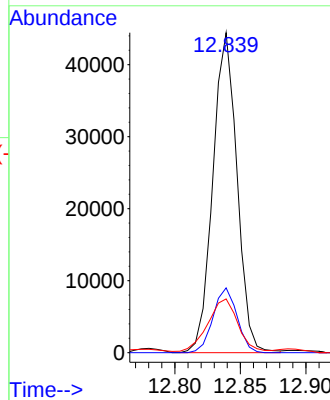
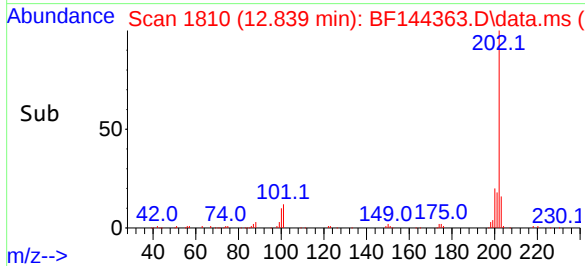
Instrument :
BNA_F
ClientSampleId :
SB-1125-10A



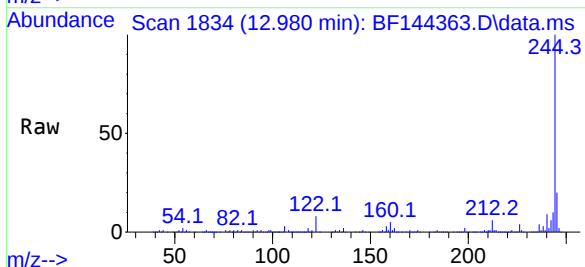
Tgt Ion:202 Resp: 56940
Ion Ratio Lower Upper
202 100
200 20.2 17.2 25.8
203 16.8 13.7 20.5

Manual Integrations
APPROVED

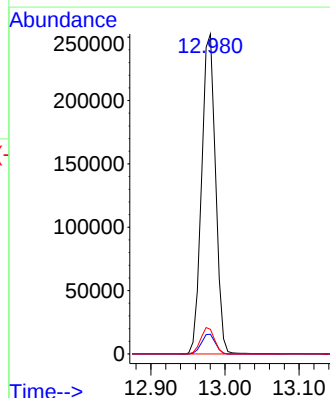
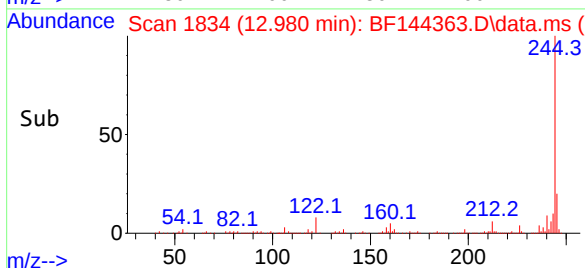
Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025



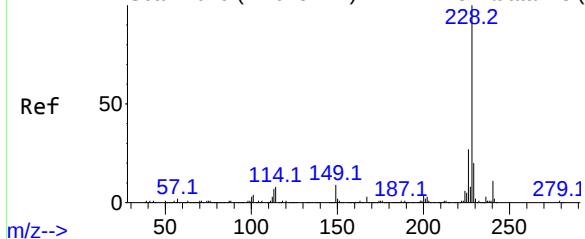
#79
Terphenyl-d14
Concen: 40.211 ng
RT: 12.980 min Scan# 1834
Delta R.T. -0.012 min
Lab File: BF144363.D
Acq: 26 Nov 2025 16:11



Tgt Ion:244 Resp: 330168
Ion Ratio Lower Upper
244 100
212 6.2 5.3 7.9
122 7.7 5.6 8.4



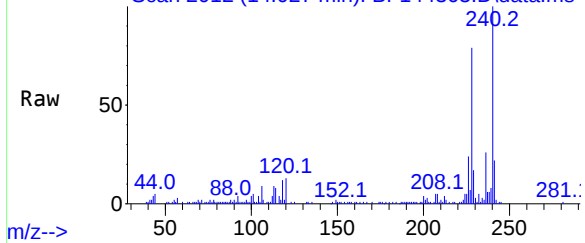
Abundance Scan 2015 (14.045 min): BF144173.D\data.ms (-



#81
Benzo(a)anthracene
Concen: 3.858 ng
RT: 14.027 min Scan# 2012
Delta R.T. -0.018 min
Lab File: BF144363.D
Acq: 26 Nov 2025 16:11

Instrument :
BNA_F
ClientSampleId :
SB-1125-10A

m/z--> Abundance Scan 2012 (14.027 min): BF144363.D\data.ms

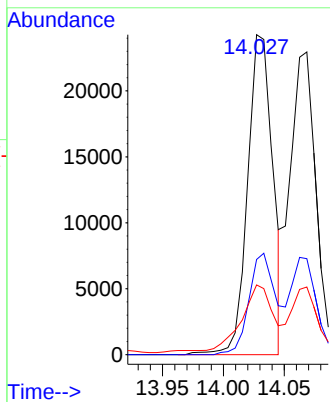
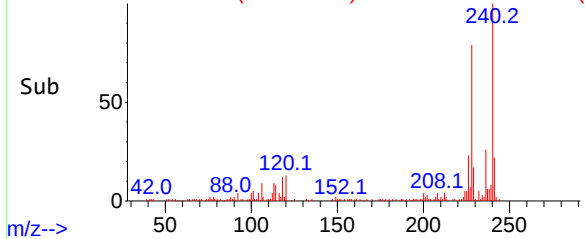


Tgt Ion:228 Resp: 3487
Ion Ratio Lower Upper
228 100
226 29.7 21.8 32.8
229 21.8 15.8 23.6

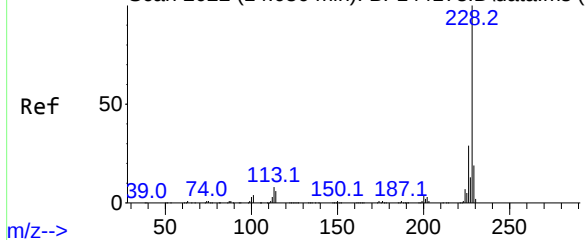
Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025

Abundance Scan 2012 (14.027 min): BF144363.D\data.ms (-



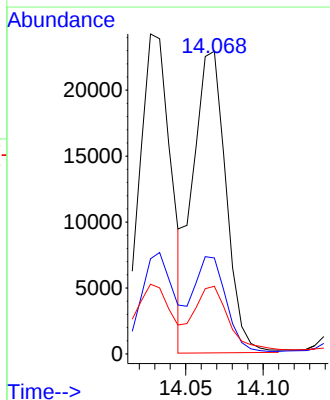
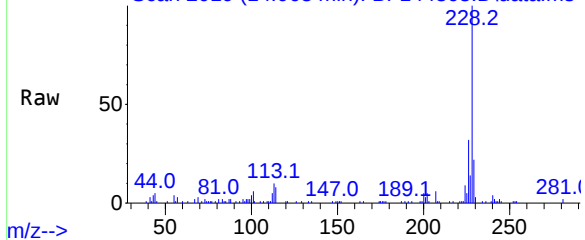
Abundance Scan 2022 (14.086 min): BF144173.D\data.ms (-



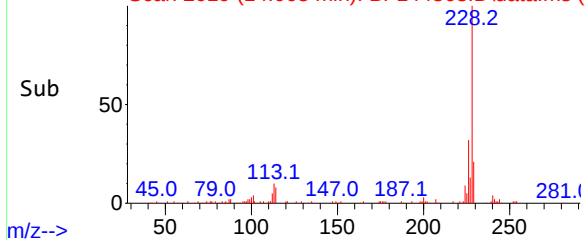
#83
Chrysene
Concen: 4.047 ng
RT: 14.068 min Scan# 2019
Delta R.T. -0.012 min
Lab File: BF144363.D
Acq: 26 Nov 2025 16:11

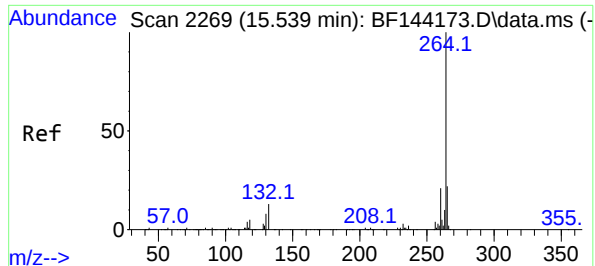
Tgt Ion:228 Resp: 33772
Ion Ratio Lower Upper
228 100
226 31.7 22.9 34.3
229 22.4 15.0 22.6

Abundance Scan 2019 (14.068 min): BF144363.D\data.ms



Abundance Scan 2019 (14.068 min): BF144363.D\data.ms (-





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.521 min Scan# 2193

Delta R.T. -0.018 min

Lab File: BF144363.D

Acq: 26 Nov 2025 16:11

Instrument :

BNA_F

ClientSampleId :

SB-1125-10A

Tgt Ion:264 Resp: 17094

Ion Ratio Lower Upper

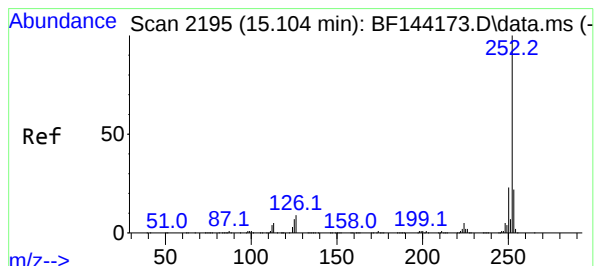
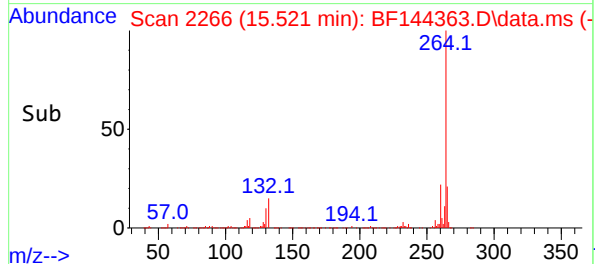
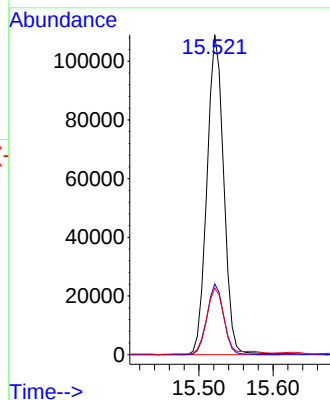
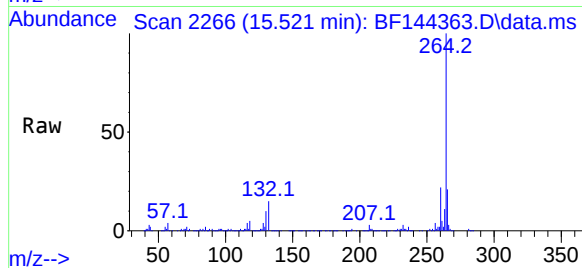
264 100

260 22.1 17.1 25.7

265 20.8 17.4 26.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025

#88

Benzo(b)fluoranthene

Concen: 4.429 ng m

RT: 15.092 min Scan# 2193

Delta R.T. -0.006 min

Lab File: BF144363.D

Acq: 26 Nov 2025 16:11

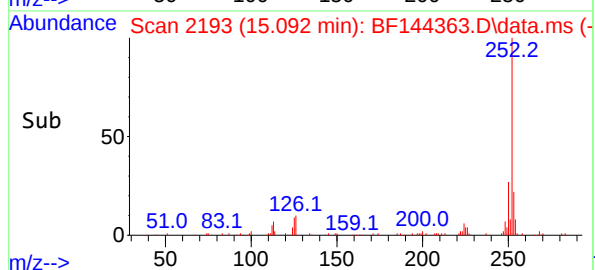
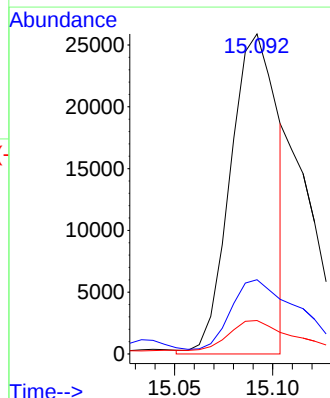
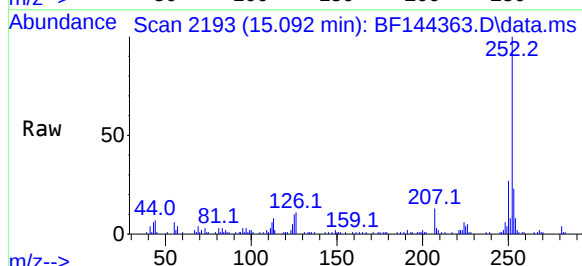
Tgt Ion:252 Resp: 43043

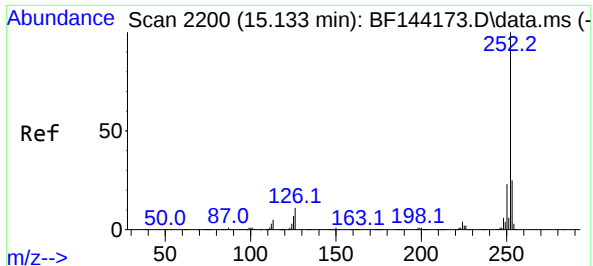
Ion Ratio Lower Upper

252 100

253 23.2 17.4 26.2

125 10.4 5.3 7.9#





#89

Benzo(k)fluoranthene

Concen: 2.047 ng m

RT: 15.104 min Scan# 2195

Delta R.T. -0.024 min

Lab File: BF144363.D

Acq: 26 Nov 2025 16:11

Instrument :

BNA_F

ClientSampleId :

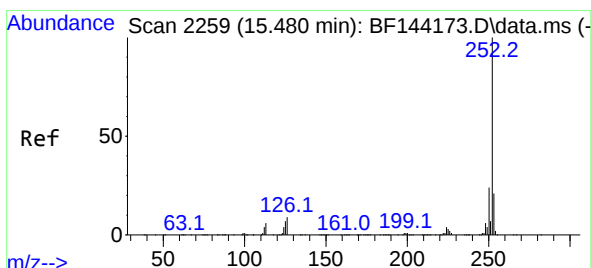
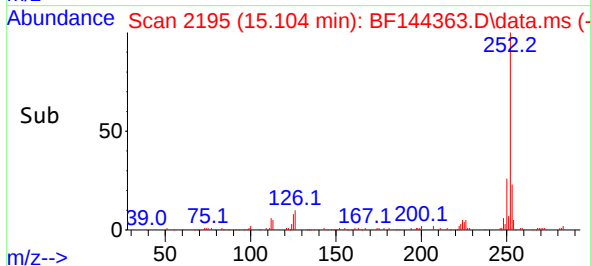
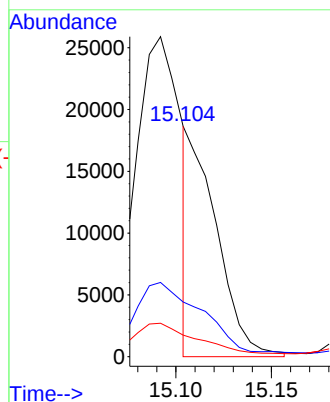
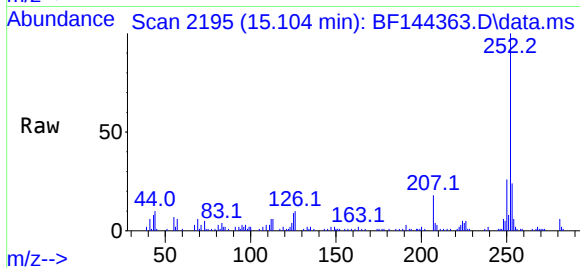
SB-1125-10A

Tgt Ion:	252	Resp:	18624
Ion Ratio	Lower	Upper	
252	100		
253	23.7	18.0	27.0
125	9.4	5.4	8.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025



#90

Benzo(a)pyrene

Concen: 3.803 ng

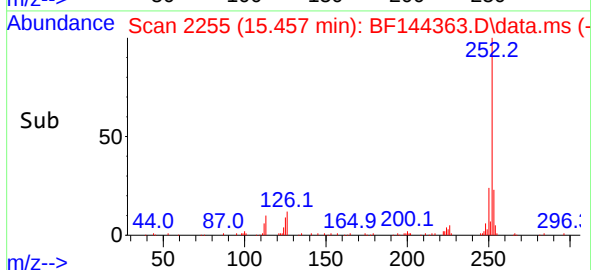
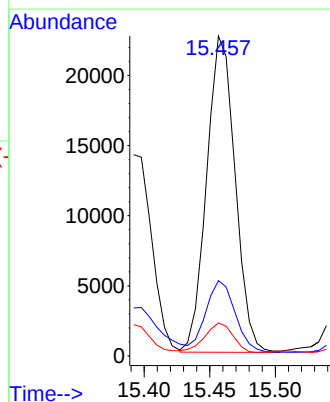
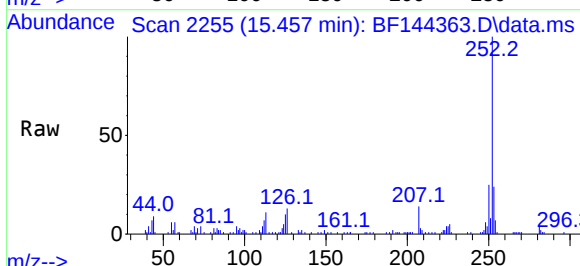
RT: 15.457 min Scan# 2255

Delta R.T. -0.018 min

Lab File: BF144363.D

Acq: 26 Nov 2025 16:11

Tgt Ion:	252	Resp:	34099
Ion Ratio	Lower	Upper	
252	100		
253	23.6	16.7	25.1
125	10.3	5.7	8.5



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112625\
 Data File : BF144363.D
 Acq On : 26 Nov 2025 16:11
 Operator : RC/JU
 Sample : Q3719-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-1125-10A

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF144363.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.075	484	490	503	rVB	222854	324256	30.52%	3.265%
2	5.487	555	560	578	rVB	692279	949074	89.34%	9.556%
3	5.769	604	608	613	rBB	11241	14562	1.37%	0.147%
4	6.110	660	666	672	rBV4	7493	12834	1.21%	0.129%
5	6.493	726	731	745	rBV	731262	991376	93.32%	9.982%
6	6.692	760	765	772	rVB2	22282	30163	2.84%	0.304%
7	6.863	788	794	800	rBV	247209	322301	30.34%	3.245%
8	7.422	878	889	899	rBV	501413	670621	63.13%	6.752%
9	7.663	926	930	940	rVB6	5446	14378	1.35%	0.145%
10	8.139	1002	1011	1019	rBV	312022	439447	41.37%	4.425%
11	9.216	1189	1194	1203	rBV	839451	1062346	100.00%	10.696%
12	9.898	1305	1310	1315	rBV	366511	459943	43.30%	4.631%
13	10.616	1426	1432	1440	rBV	91800	121469	11.43%	1.223%
14	10.692	1440	1445	1455	rVV	521258	672694	63.32%	6.773%
15	11.392	1559	1564	1572	rBV2	335495	508783	47.89%	5.123%
16	11.469	1572	1577	1580	rBV	10569	12582	1.18%	0.127%
17	11.633	1597	1605	1610	rBV2	5516	11007	1.04%	0.111%
18	11.839	1636	1640	1645	rBV3	30541	56222	5.29%	0.566%
19	11.916	1647	1653	1661	rVV3	155351	263351	24.79%	2.652%
20	12.010	1665	1669	1678	rVB3	21117	43677	4.11%	0.440%
21	12.610	1766	1771	1775	rBV	109831	146197	13.76%	1.472%
22	12.698	1782	1786	1794	rBV2	21990	35212	3.31%	0.355%
23	12.839	1803	1810	1816	rBV	94619	137031	12.90%	1.380%
24	12.980	1828	1834	1842	rVB	609352	814206	76.64%	8.198%
25	13.057	1842	1847	1853	rBV4	10075	17429	1.64%	0.175%
26	13.116	1853	1857	1860	rBV	14354	20196	1.90%	0.203%
27	13.169	1860	1866	1874	rVV2	15173	31296	2.95%	0.315%
28	13.233	1874	1877	1880	rVV	8036	10972	1.03%	0.110%
29	13.269	1880	1883	1890	rVB3	13600	19672	1.85%	0.198%
30	13.363	1896	1899	1902	rBV2	9441	12524	1.18%	0.126%
31	13.451	1911	1914	1918	rVB2	10702	12326	1.16%	0.124%
32	13.680	1946	1953	1958	rBV	13178	27369	2.58%	0.276%
33	13.792	1968	1972	1974	rBV	10056	14041	1.32%	0.141%
34	13.874	1982	1986	1995	rVB4	52416	99338	9.35%	1.000%
35	14.039	2006	2014	2026	rBV2	307332	550067	51.78%	5.538%
36	14.192	2037	2040	2046	rBV6	8550	16627	1.57%	0.167%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112625\
Data File : BF144363.D
Acq On : 26 Nov 2025 16:11
Operator : RC/JU
Sample : Q3719-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-1125-10A

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	14.427	2077	2080	2084	rBV	13505	15712	1.48%	0.158%
38	14.521	2090	2096	2099	rBV6	17256	36043	3.39%	0.363%
39	14.880	2153	2157	2161	rVB	32384	43595	4.10%	0.439%
40	15.092	2188	2193	2200	rBV	63902	139681	13.15%	1.406%
41	15.392	2240	2244	2251	rVB	36271	59098	5.56%	0.595%
42	15.457	2251	2255	2260	rVV	55570	87055	8.19%	0.877%
43	15.521	2260	2266	2281	rVB	280565	484933	45.65%	4.883%
44	15.968	2338	2342	2347	rVB2	23624	40277	3.79%	0.406%
45	16.480	2425	2429	2435	rVB	17509	32863	3.09%	0.331%
46	17.021	2516	2521	2527	rBV2	24857	47006	4.42%	0.473%

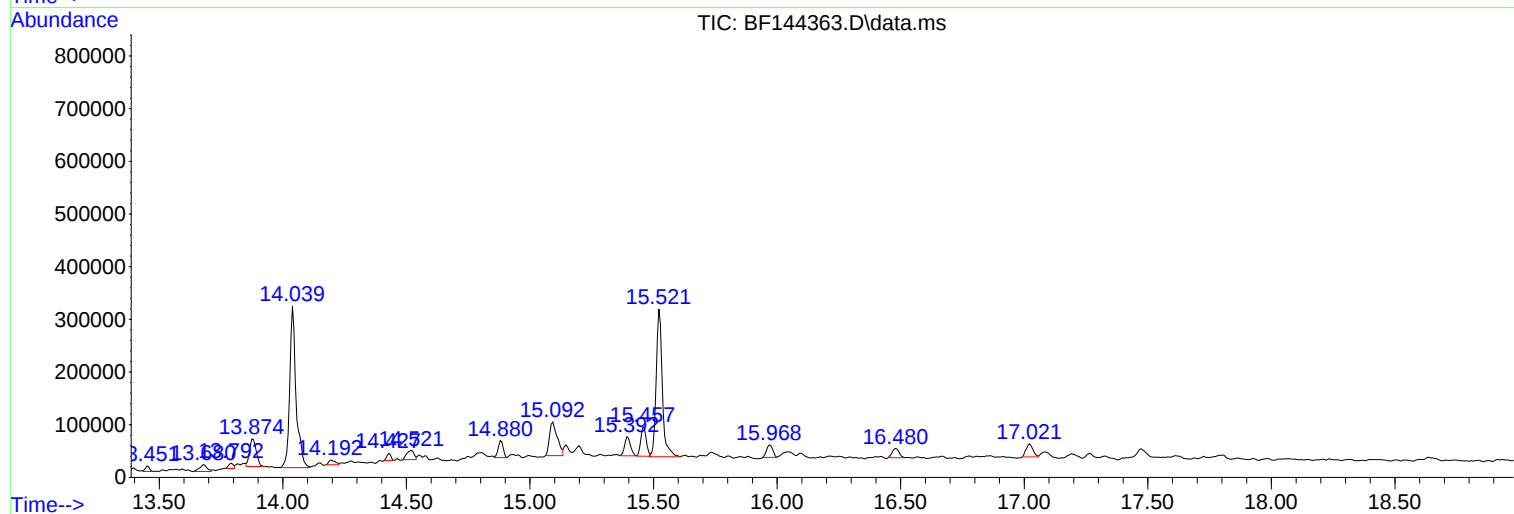
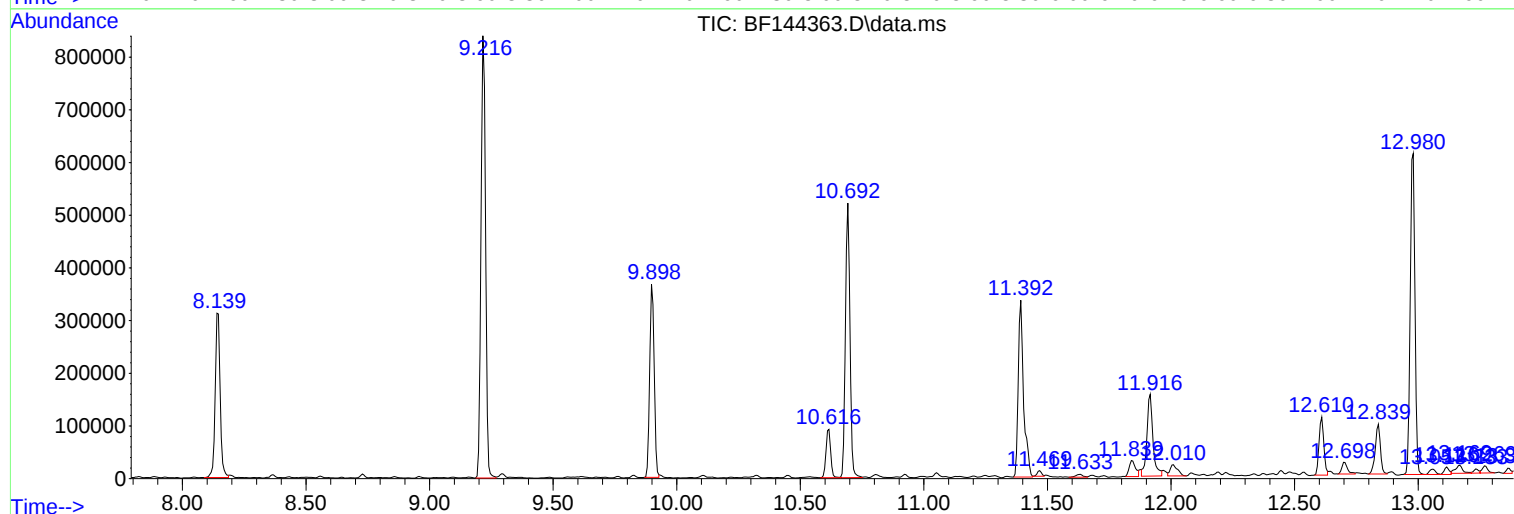
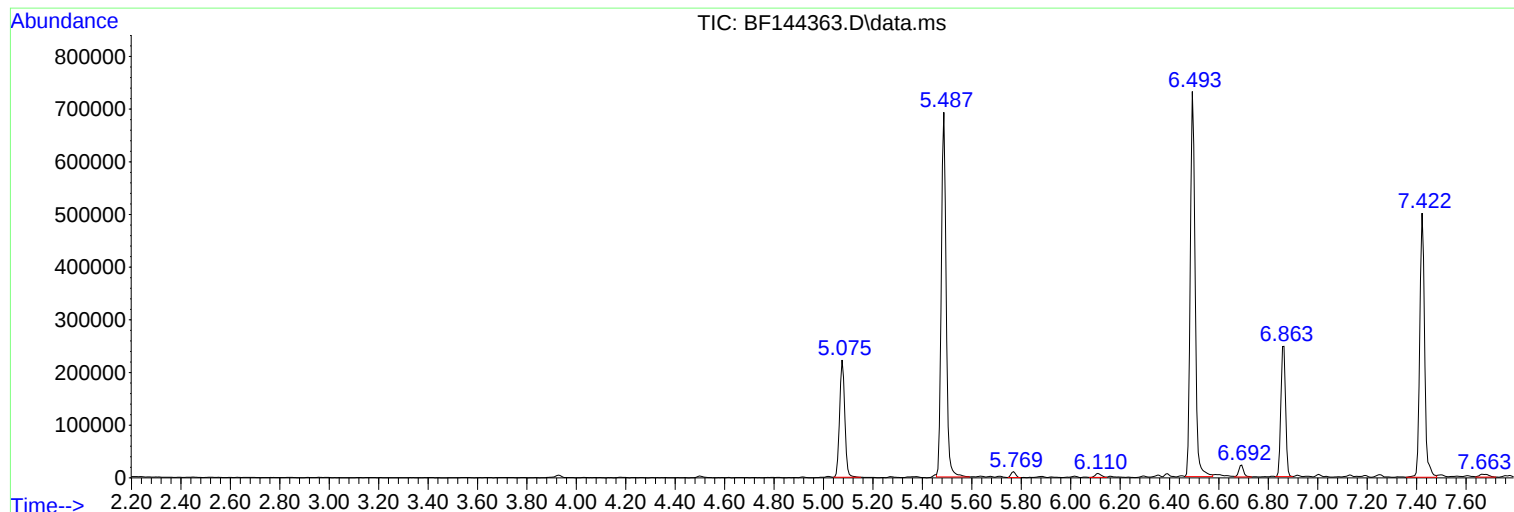
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Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112625\
Data File : BF144363.D
Acq On : 26 Nov 2025 16:11
Operator : RC/JU
Sample : Q3719-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-1125-10A

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112625\
Data File : BF144363.D
Acq On : 26 Nov 2025 16:11
Operator : RC/JU
Sample : Q3719-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-1125-10A

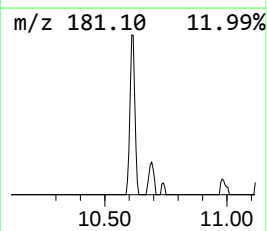
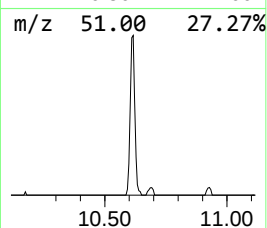
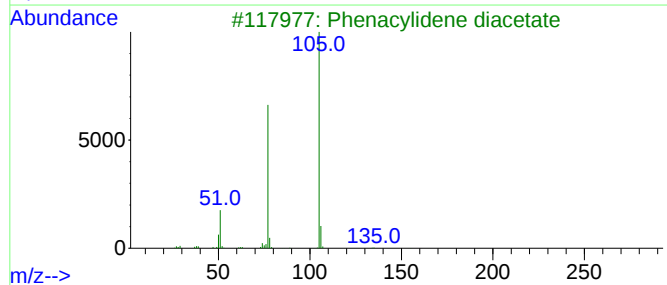
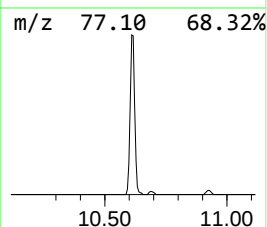
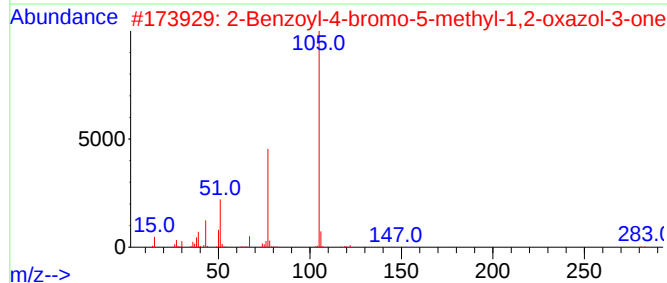
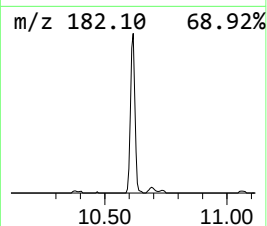
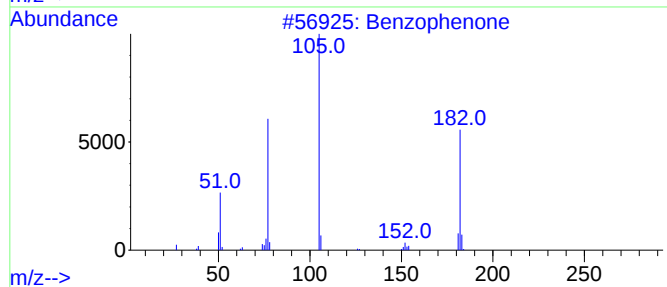
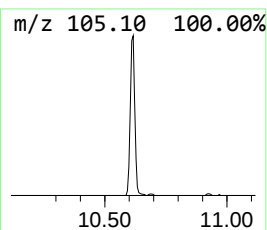
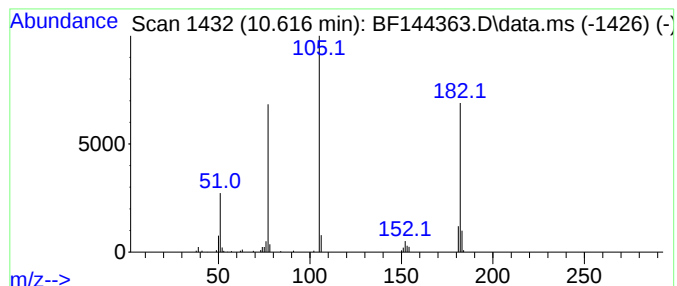
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Benzophenone Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.616	5.28 ng	121469	Acenaphthene-d10	9.898

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	96
2			2-Benzoyl-4-bromo-5-methyl-1,2-o...	281	C11H8BrNO3	1000444-92-3	43
3			Phenacylidene diacetate	236	C12H12O5	005062-30-6	43
4			Pentafluoroethyl phenyl ketone	224	C9H5F5O	000394-52-5	43
5			N-Methoxy-N-methylbenzamide	165	C9H11NO2	006919-61-5	43



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112625\
Data File : BF144363.D
Acq On : 26 Nov 2025 16:11
Operator : RC/JU
Sample : Q3719-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

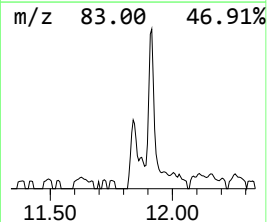
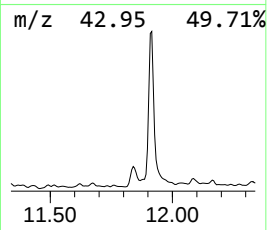
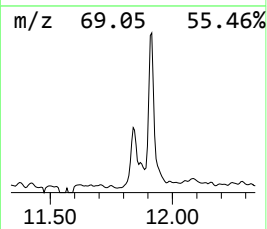
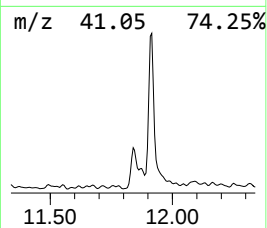
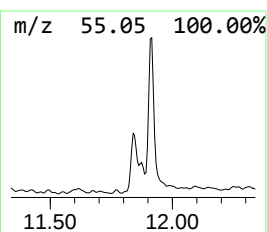
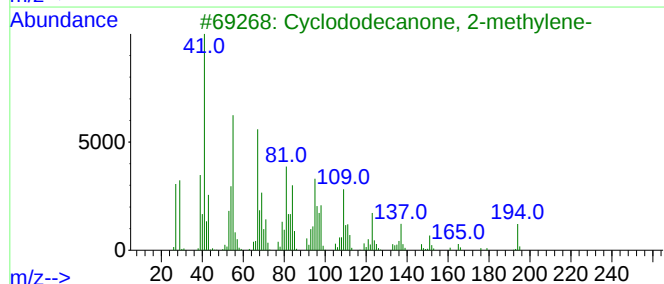
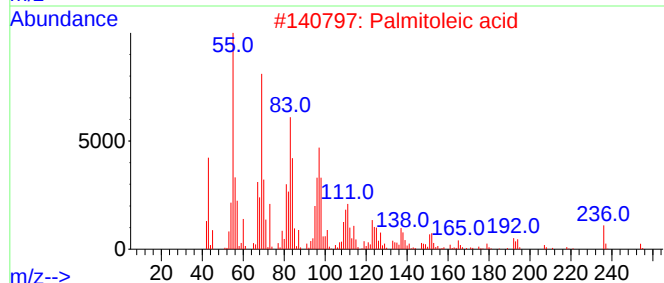
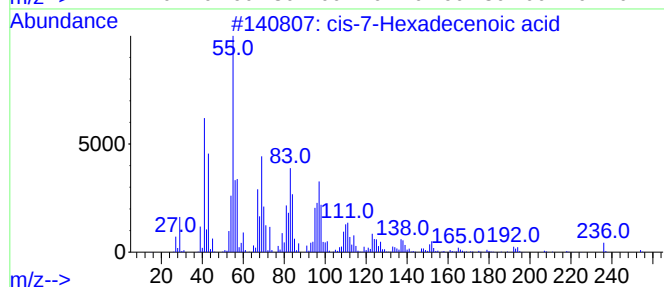
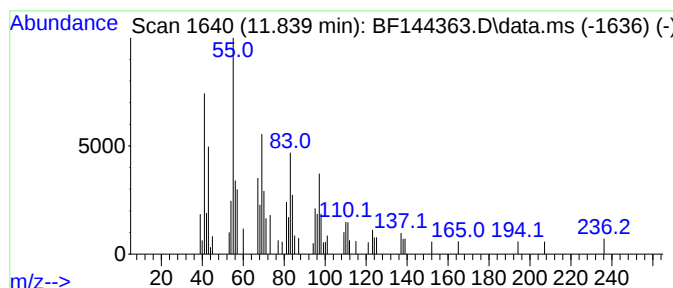
Instrument :
BNA_F
ClientSampleId :
SB-1125-10A

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 cis-7-Hexadecenoic acid Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD		R.T.	
11.839	2.21 ng	56222	Phenanthrene-d10		11.392	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	cis-7-Hexadecenoic acid		254	C16H30O2	002416-19-5	87
2	Palmitoleic acid		254	C16H30O2	000373-49-9	83
3	Cyclododecanone, 2-methylene-		194	C13H22O	003045-76-9	78
4	(E)-Hexadec-9-enoic acid		254	C16H30O2	010030-73-6	74
5	Myristoleic acid		226	C14H26O2	000544-64-9	72



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112625\
Data File : BF144363.D
Acq On : 26 Nov 2025 16:11
Operator : RC/JU
Sample : Q3719-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

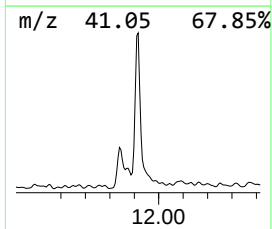
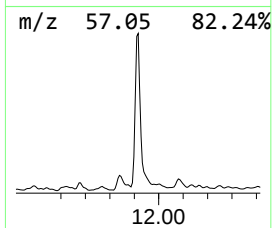
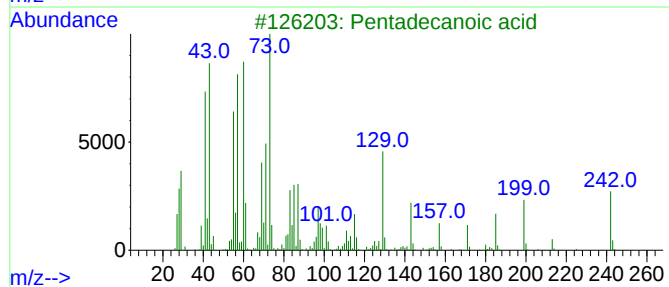
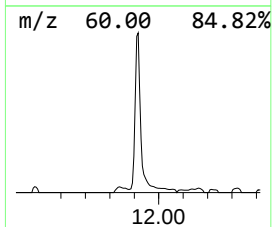
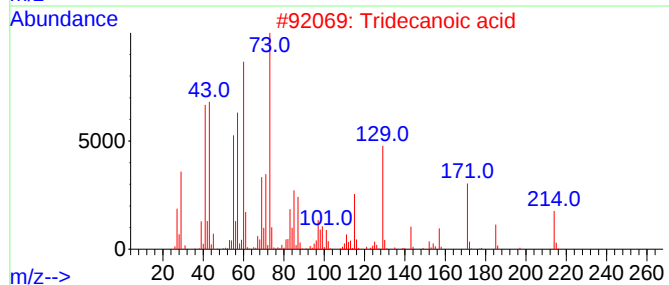
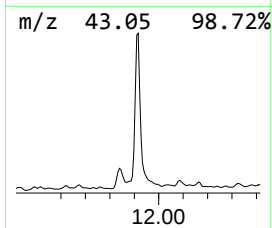
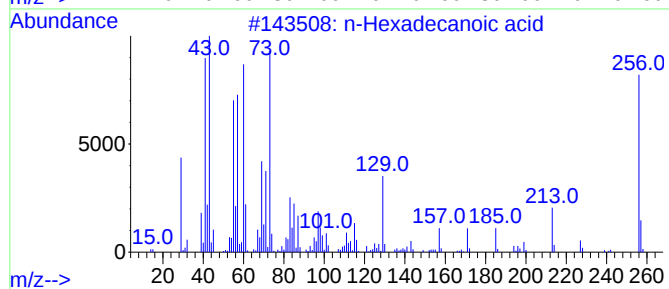
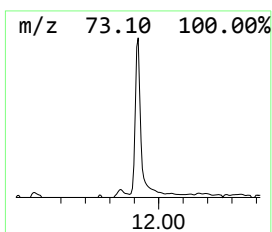
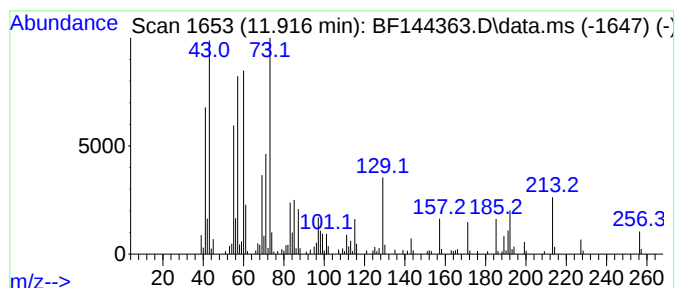
Instrument :
BNA_F
ClientSampleId :
SB-1125-10A

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.916	10.35 ng	263351	Phenanthrene-d10	11.392	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
2	Tridecanoic acid	214	C13H26O2	000638-53-9	95
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	68
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	52
5	Nonanoic acid	158	C9H18O2	000112-05-0	43



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112625\
Data File : BF144363.D
Acq On : 26 Nov 2025 16:11
Operator : RC/JU
Sample : Q3719-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-1125-10A

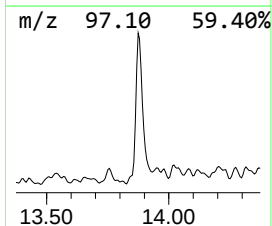
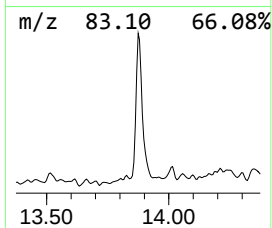
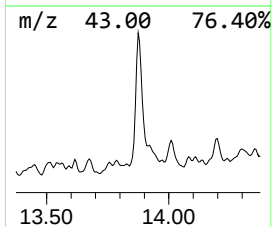
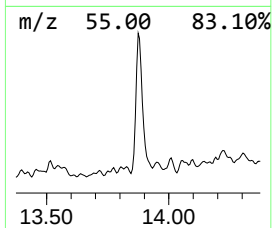
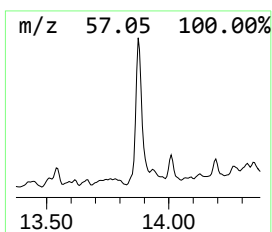
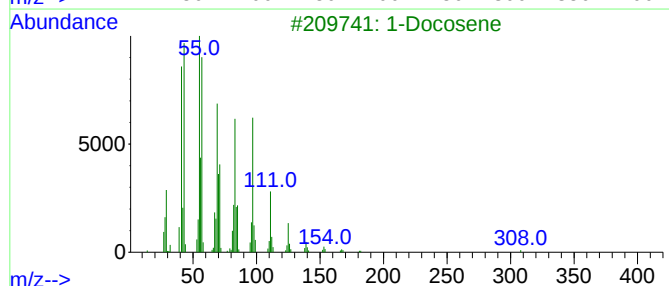
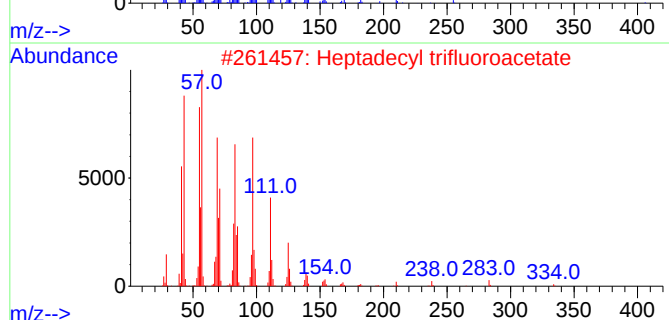
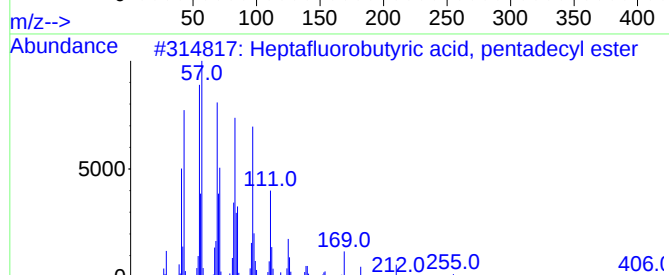
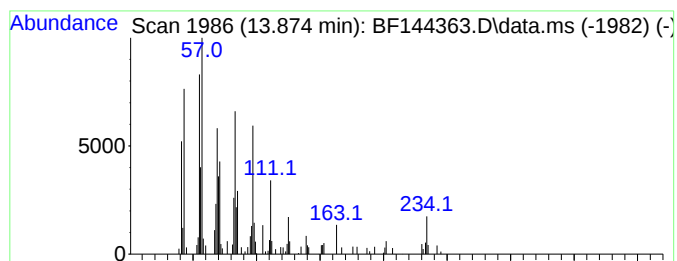
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Heptafluorobutyric acid, pe... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.874	3.61 ng	99338	Chrysene-d12	14.039

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptafluorobutyric acid, pentade...	424	C19H31F7O2	959261-23-5	93
2			Heptadecyl trifluoroacetate	352	C19H35F3O2	1010351-87-0	93
3			1-Docosene	308	C22H44	001599-67-3	93
4			Trifluoroacetoxy hexadecane	338	C18H33F3O2	006222-03-3	93
5			Octadecyl trifluoroacetate	366	C20H37F3O2	079392-43-1	90



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112625\
Data File : BF144363.D
Acq On : 26 Nov 2025 16:11
Operator : RC/JU
Sample : Q3719-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-1125-10A

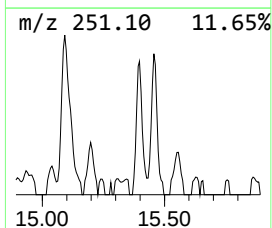
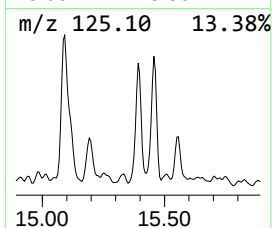
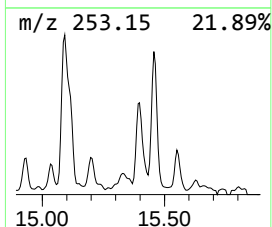
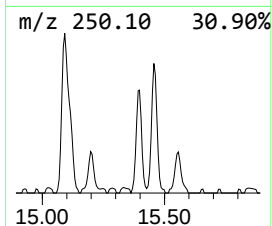
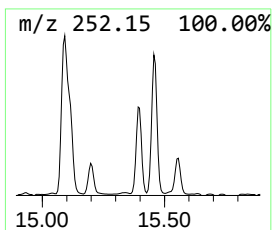
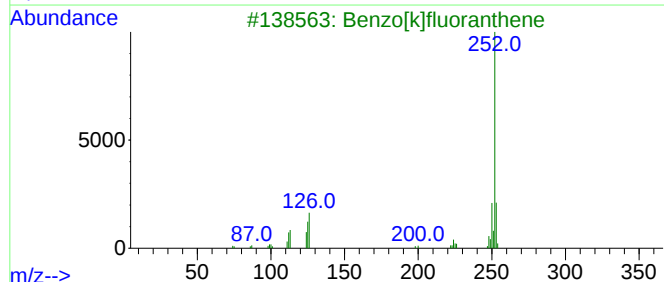
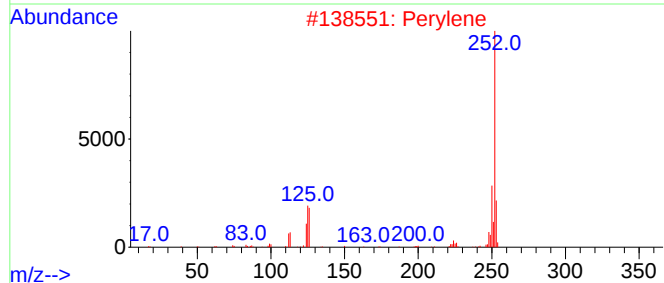
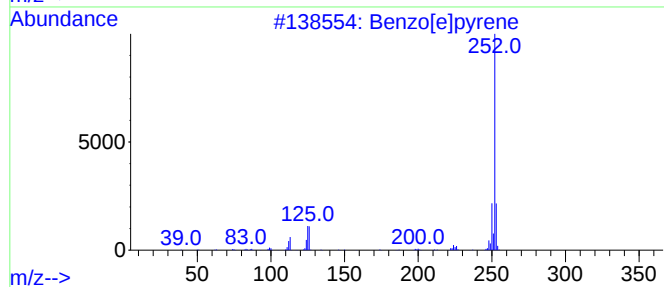
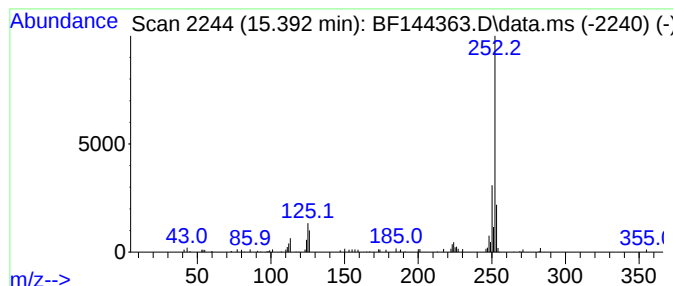
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.392	2.44 ng	59098	Perylene-d12	15.521

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[e]pyrene	252	C20H12	000192-97-2	97
2			Perylene	252	C20H12	000198-55-0	95
3			Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
4			Benzo[j]fluoranthene	252	C20H12	000205-82-3	90
5			Benzo[a]pyrene	252	C20H12	000050-32-8	90



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112625\
Data File : BF144363.D
Acq On : 26 Nov 2025 16:11
Operator : RC/JU
Sample : Q3719-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-1125-10A

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Benzophenone	10.616	5.3	ng	121469	3	9.898	459943	20.0
cis-7-Hexadecen...	11.839	2.2	ng	56222	4	11.392	508783	20.0
n-Hexadecanoic ...	11.916	10.4	ng	263351	4	11.392	508783	20.0
Heptafluorobuty...	13.874	3.6	ng	99338	5	14.039	550067	20.0
Benzo[e]pyrene	15.392	2.4	ng	59098	6	15.521	484933	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112625\
 Data File : BF144364.D
 Acq On : 26 Nov 2025 16:42
 Operator : RC/JU
 Sample : Q3719-02
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-1125-10B

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
 Supervised By :mohammad ahmed 12/03/2025

Quant Time: Nov 26 17:04:49 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 05 18:37:33 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	62995	20.000	ng	-0.01
21) Naphthalene-d8	8.140	136	238733	20.000	ng	#-0.02
39) Acenaphthene-d10	9.898	164	129698	20.000	ng	-0.02
64) Phenanthrene-d10	11.392	188	196600	20.000	ng	-0.01
76) Chrysene-d12	14.039	240	148954	20.000	ng	-0.01
86) Perylene-d12	15.521	264	194636	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	283654	70.463	ng	0.00
7) Phenol-d6	6.493	99	332328	72.858	ng	0.00
23) Nitrobenzene-d5	7.422	82	201440	48.733	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	93567	57.489	ng	-0.01
45) 2-Fluorobiphenyl	9.216	172	373494	42.532	ng	-0.01
79) Terphenyl-d14	12.980	244	287415	30.649	ng	-0.01
Target Compounds						Qvalue
75) Fluoranthene	12.610	202	30550	3.021	ng	95
78) Pyrene	12.839	202	30810	2.565	ng	98
81) Benzo(a)anthracene	14.033	228	24537	2.377	ng	94
83) Chrysene	14.069	228	19609	2.058	ng	92
88) Benzo(b)fluoranthene	15.092	252	26860m	2.427	ng	
90) Benzo(a)pyrene	15.457	252	22518	2.206	ng	# 96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

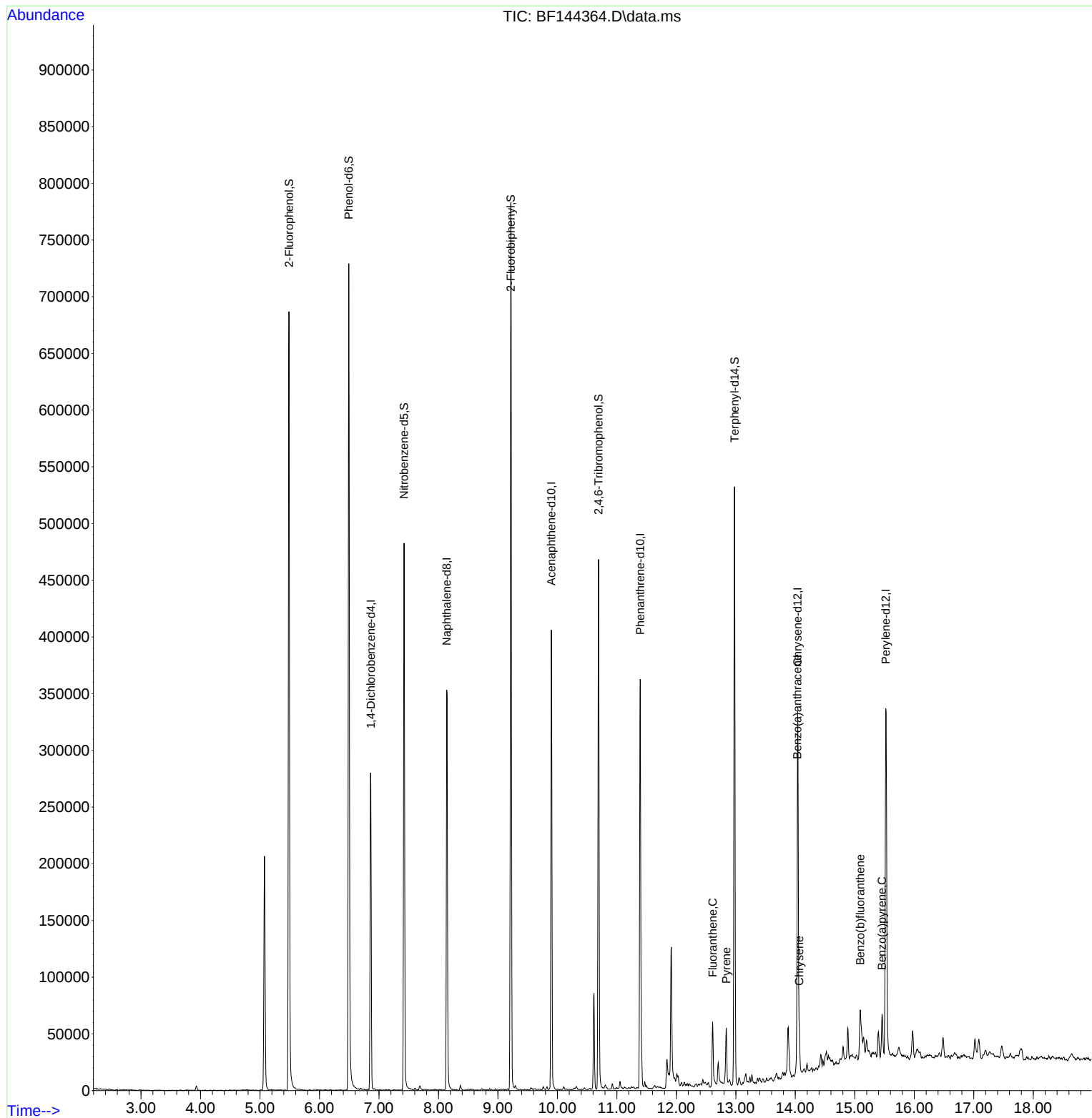
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Acq On : 26 Nov 2025 16:42
Operator : RC/JU
Sample : Q3719-02
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-1125-10B

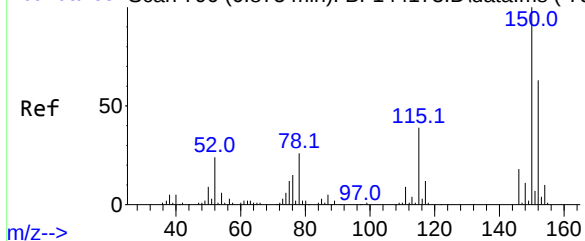
Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025

Quant Time: Nov 26 17:04:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 18:37:33 2025
Response via : Initial Calibration



Abundance Scan 796 (6.875 min): BF144173.D\data.ms (-79



#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.863 min Scan# 79

Delta R.T. -0.012 min

Lab File: BF144364.D

Acq: 26 Nov 2025 16:42

Instrument :

BNA_F

ClientSampleId :

SB-1125-10B

Tgt Ion:152 Resp: 6299

Ion Ratio Lower Upper

152 100

150 158.2 127.4 191.0

115 59.5 49.5 74.3

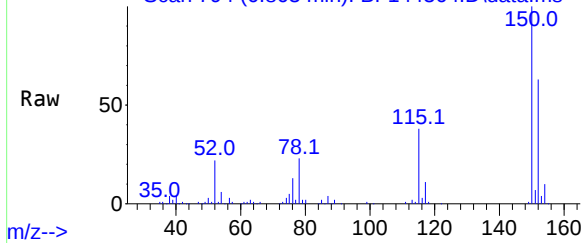
Manual Integrations

APPROVED

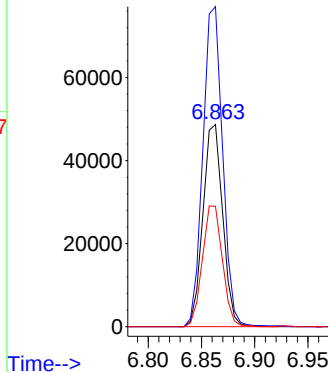
Reviewed By :Jagrut Upadhyay 12/02/2025

Supervised By :mohammad ahmed 12/03/2025

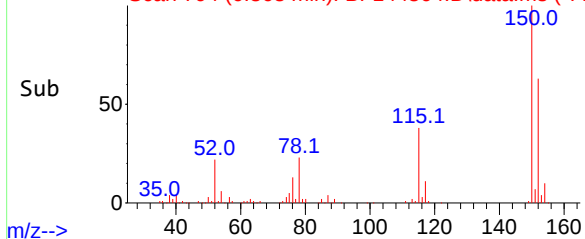
Abundance Scan 794 (6.863 min): BF144364.D\data.ms



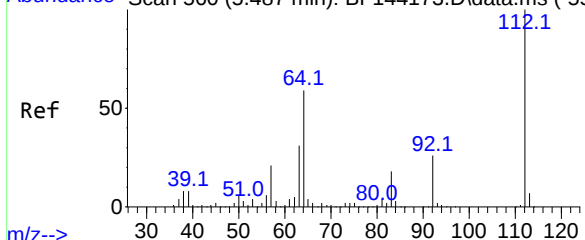
Abundance



Abundance Scan 794 (6.863 min): BF144364.D\data.ms (-77



Abundance Scan 560 (5.487 min): BF144173.D\data.ms (-55



#5

2-Fluorophenol

Concen: 70.463 ng

RT: 5.487 min Scan# 560

Delta R.T. -0.006 min

Lab File: BF144364.D

Acq: 26 Nov 2025 16:42

Tgt Ion:112 Resp: 283654

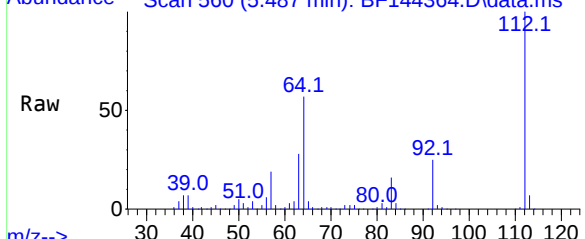
Ion Ratio Lower Upper

112 100

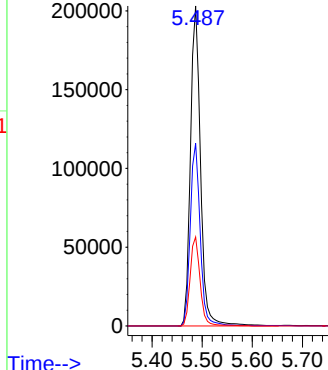
64 57.0 47.2 70.8

63 27.8 24.4 36.6

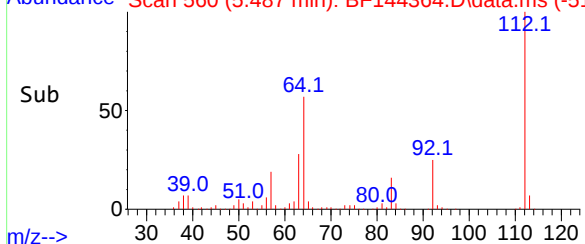
Abundance Scan 560 (5.487 min): BF144364.D\data.ms



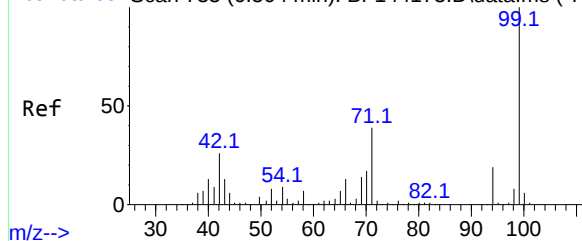
Abundance



Abundance Scan 560 (5.487 min): BF144364.D\data.ms (-51



Abundance Scan 733 (6.504 min): BF144173.D\data.ms (-72



#7

Phenol-d6

Concen: 72.858 ng

RT: 6.493 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF144364.D

Acq: 26 Nov 2025 16:42

Instrument :

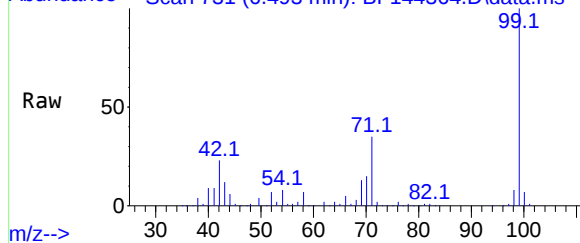
BNA_F

ClientSampleId :

SB-1125-10B

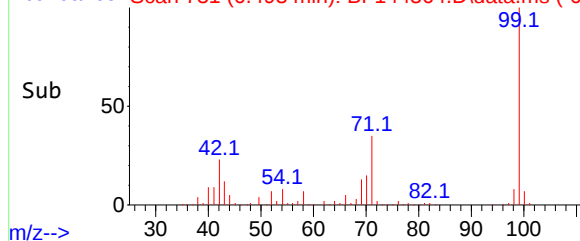
m/z-->

Abundance Scan 731 (6.493 min): BF144364.D\data.ms



m/z-->

Abundance Scan 731 (6.493 min): BF144364.D\data.ms (-68



m/z-->

Tgt Ion: 99 Resp: 332328

Ion Ratio Lower Upper

99 100

42 23.4 20.9 31.3

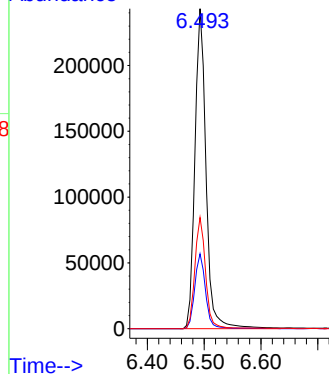
71 34.8 31.4 47.2

Manual Integrations

APPROVED

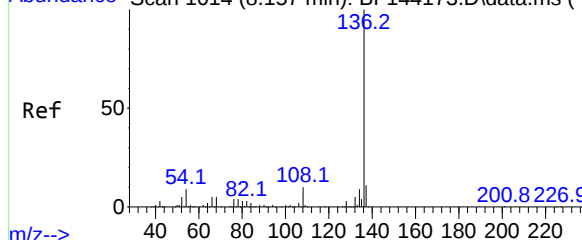
Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025

Abundance



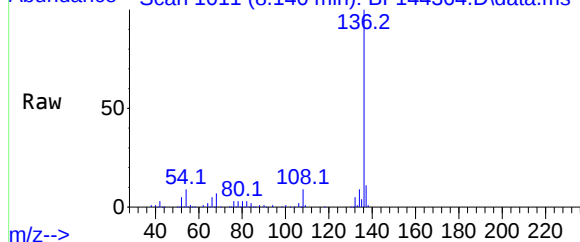
Time-->

Abundance Scan 1014 (8.157 min): BF144173.D\data.ms (-1



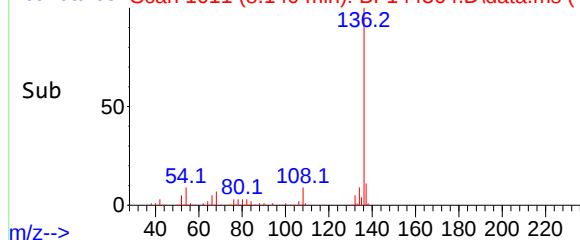
m/z-->

Abundance Scan 1011 (8.140 min): BF144364.D\data.ms



m/z-->

Abundance Scan 1011 (8.140 min): BF144364.D\data.ms (-9



m/z-->

#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.140 min Scan# 1011

Delta R.T. -0.018 min

Lab File: BF144364.D

Acq: 26 Nov 2025 16:42

Tgt Ion:136 Resp: 238733

Ion Ratio Lower Upper

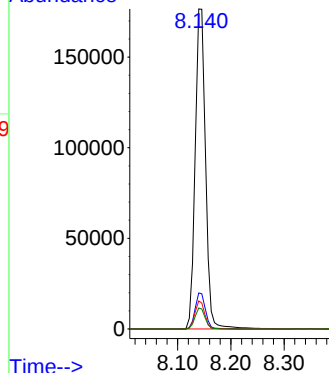
136 100

137 11.2 8.6 13.0

54 8.7 7.0 10.6

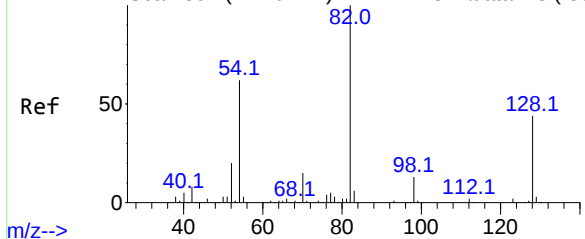
68 6.6 4.3 6.5#

Abundance



Time-->

Abundance Scan 892 (7.440 min): BF144173.D\data.ms (-88



#23

Nitrobenzene-d5

Concen: 48.733 ng

RT: 7.422 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF144364.D

Acq: 26 Nov 2025 16:42

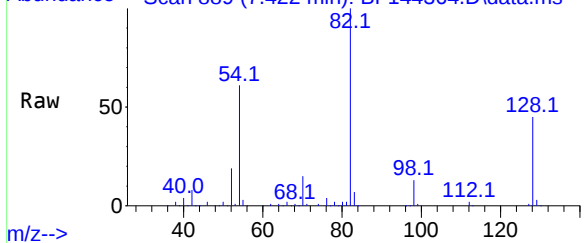
Instrument :

BNA_F

ClientSampleId :

SB-1125-10B

Abundance Scan 889 (7.422 min): BF144364.D\data.ms



Tgt Ion: 82 Resp: 201440

Ion Ratio Lower Upper

82 100

128 45.4 34.7 52.1

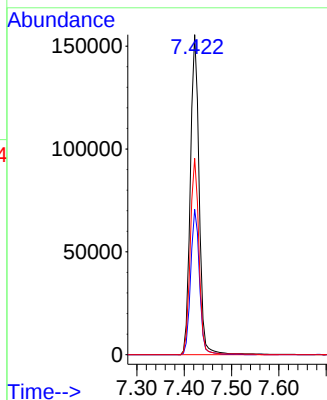
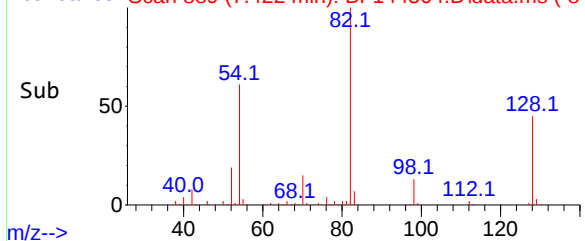
54 61.4 49.5 74.3

Manual Integrations

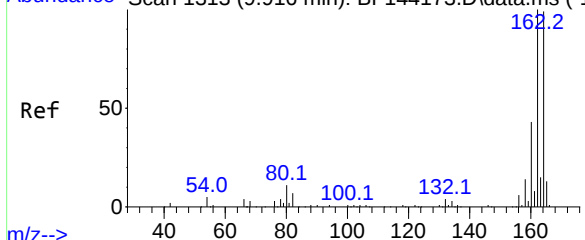
APPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025

Abundance Scan 889 (7.422 min): BF144364.D\data.ms (-84



Abundance Scan 1313 (9.916 min): BF144173.D\data.ms (-1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.898 min Scan# 1310

Delta R.T. -0.018 min

Lab File: BF144364.D

Acq: 26 Nov 2025 16:42

Tgt Ion:164 Resp: 129698

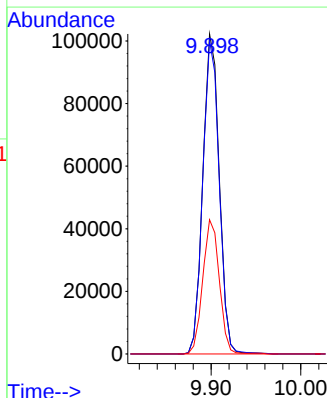
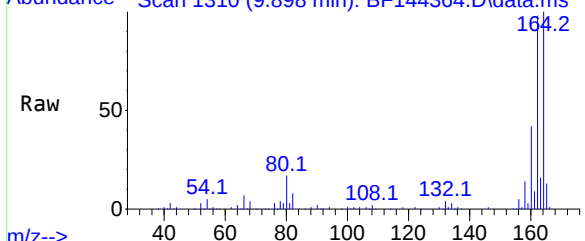
Ion Ratio Lower Upper

164 100

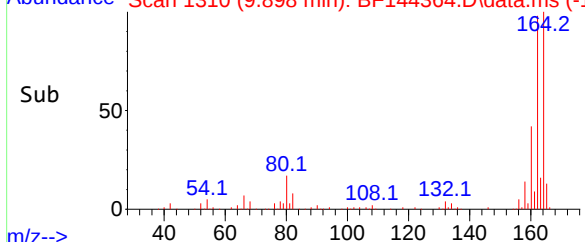
162 97.9 81.1 121.7

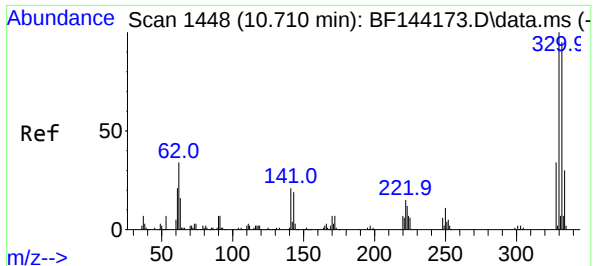
160 41.9 34.5 51.7

Abundance Scan 1310 (9.898 min): BF144364.D\data.ms



Abundance Scan 1310 (9.898 min): BF144364.D\data.ms (-1





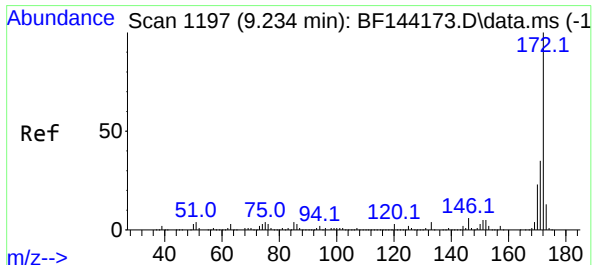
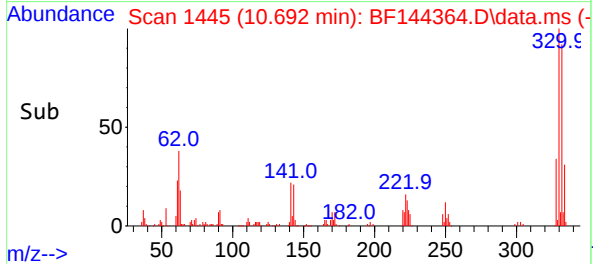
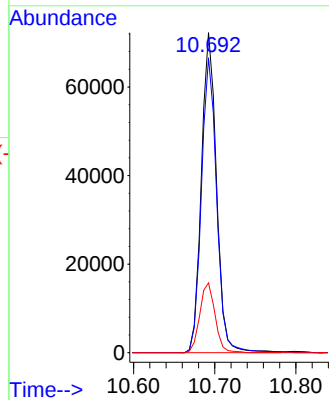
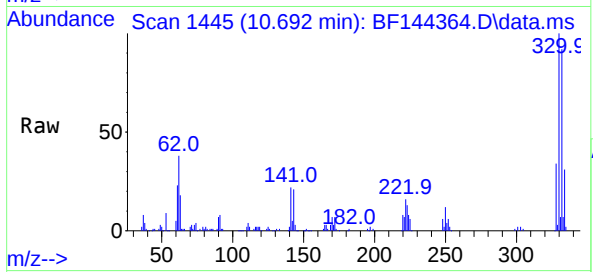
#42
2,4,6-Tribromophenol
Concen: 57.489 ng
RT: 10.692 min Scan# 1445
Delta R.T. -0.012 min
Lab File: BF144364.D
Acq: 26 Nov 2025 16:42

Instrument :
BNA_F
ClientSampleId :
SB-1125-10B

Tgt Ion:330 Resp: 9356
Ion Ratio Lower Upper
330 100
332 93.1 76.7 115.1
141 22.0 17.8 26.8

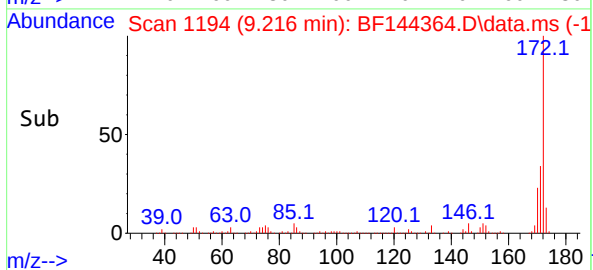
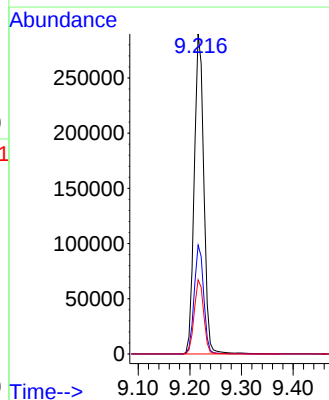
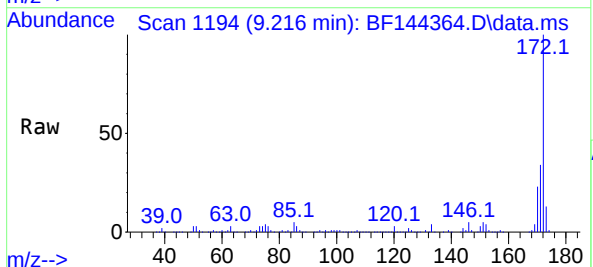
Manual Integrations
APPROVED

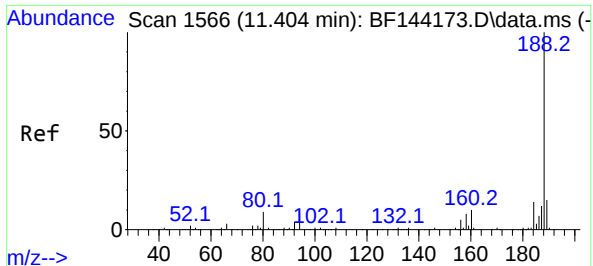
Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025



#45
2-Fluorobiphenyl
Concen: 42.532 ng
RT: 9.216 min Scan# 1194
Delta R.T. -0.012 min
Lab File: BF144364.D
Acq: 26 Nov 2025 16:42

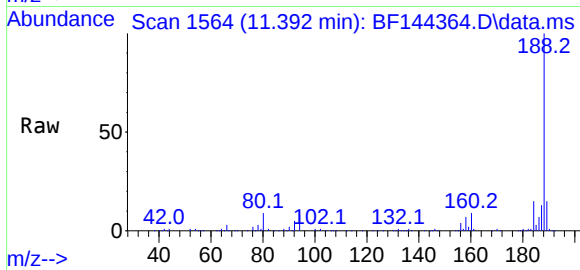
Tgt Ion:172 Resp: 373494
Ion Ratio Lower Upper
172 100
171 34.0 28.1 42.1
170 23.2 18.6 28.0





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF144364.D
Acq: 26 Nov 2025 16:42

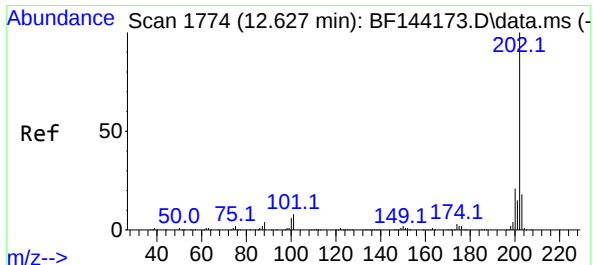
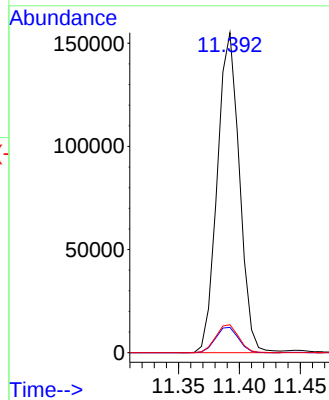
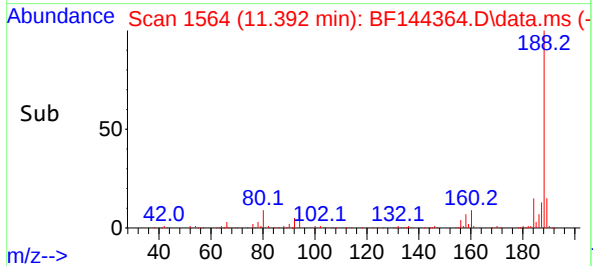
Instrument :
BNA_F
ClientSampleId :
SB-1125-10B



Tgt Ion:188 Resp: 196600
Ion Ratio Lower Upper
188 100
94 7.9 6.2 9.2
80 8.7 6.9 10.3

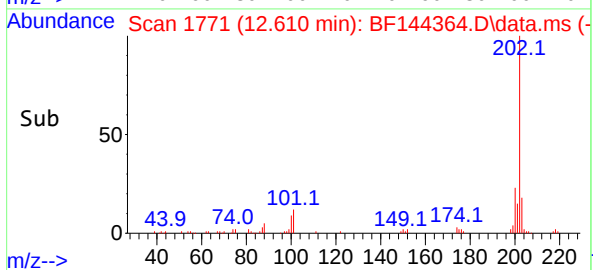
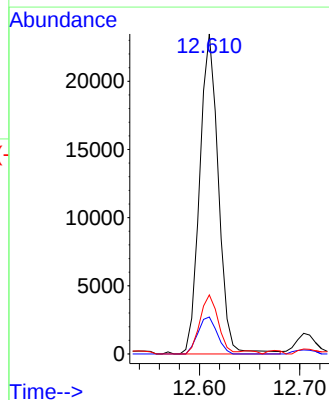
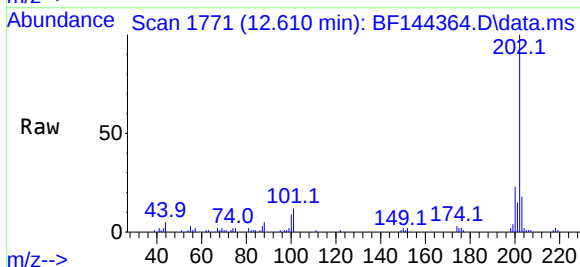
Manual Integrations
APPROVED

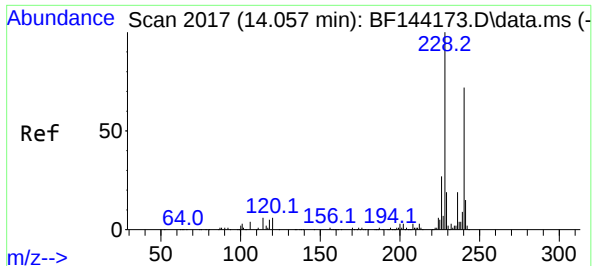
Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025



#75
Fluoranthene
Concen: 3.021 ng
RT: 12.610 min Scan# 1771
Delta R.T. -0.012 min
Lab File: BF144364.D
Acq: 26 Nov 2025 16:42

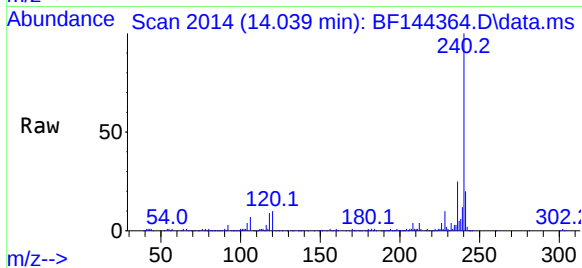
Tgt Ion:202 Resp: 30550
Ion Ratio Lower Upper
202 100
101 11.6 0.0 27.9
203 18.4 0.0 37.5





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF144364.D
Acq: 26 Nov 2025 16:42

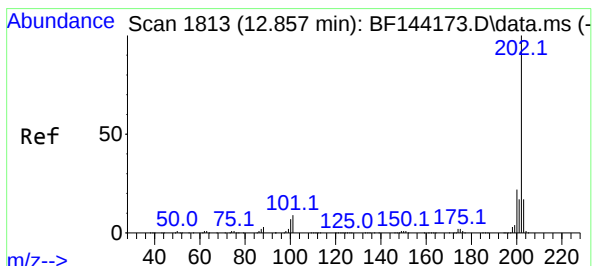
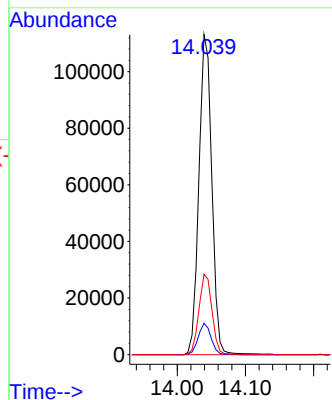
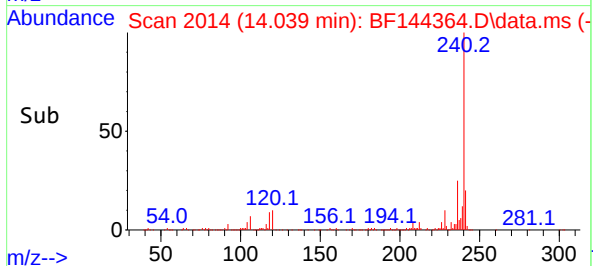
Instrument :
BNA_F
ClientSampleId :
SB-1125-10B



Tgt Ion:240 Resp: 148954
Ion Ratio Lower Upper
240 100
120 9.8 6.6 10.0
236 25.1 21.4 32.2

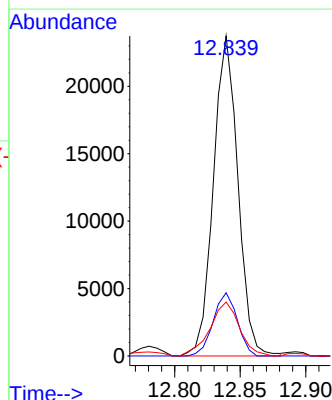
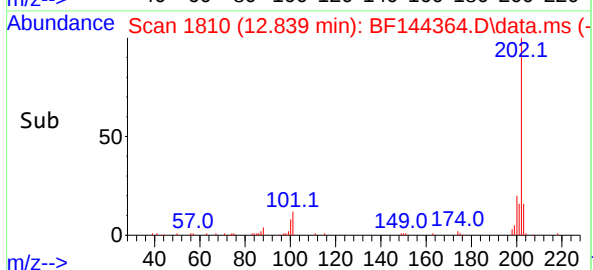
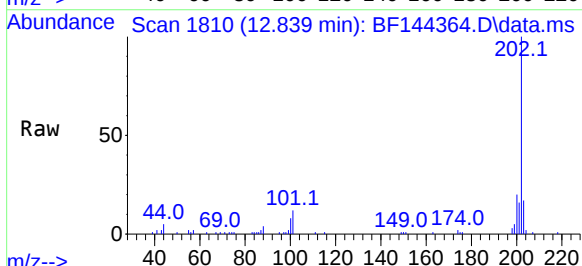
Manual Integrations
APPROVED

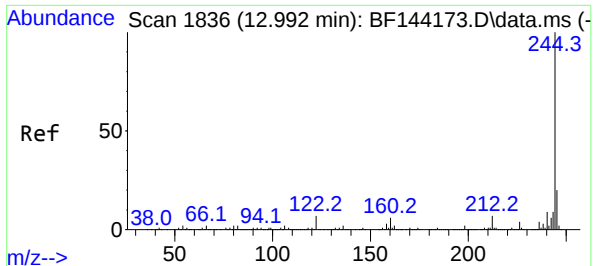
Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025



#78
Pyrene
Concen: 2.565 ng
RT: 12.839 min Scan# 1810
Delta R.T. -0.012 min
Lab File: BF144364.D
Acq: 26 Nov 2025 16:42

Tgt Ion:202 Resp: 30810
Ion Ratio Lower Upper
202 100
200 19.7 17.2 25.8
203 16.9 13.7 20.5





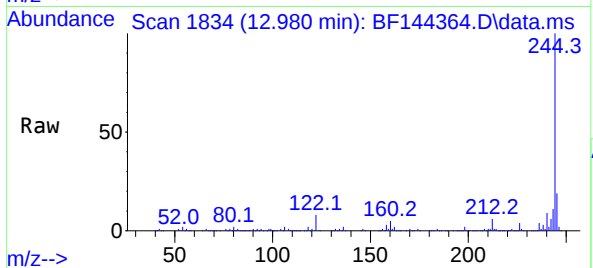
#79
Terphenyl-d14
Concen: 30.649 ng
RT: 12.980 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF144364.D
Acq: 26 Nov 2025 16:42

Instrument :

BNA_F

ClientSampleId :

SB-1125-10B

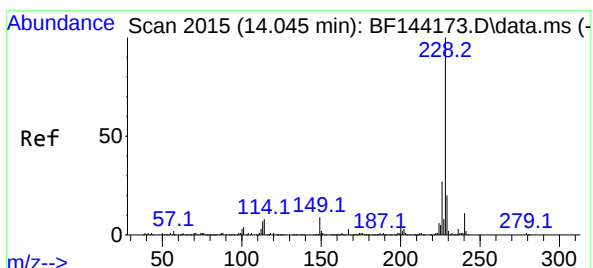
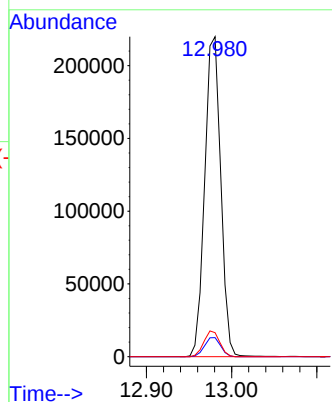
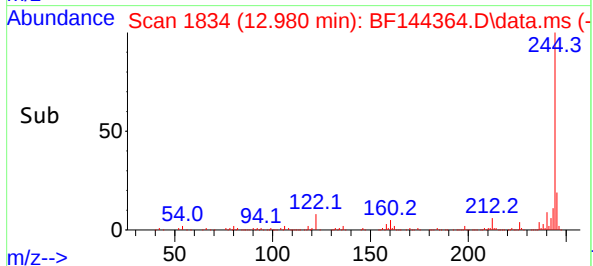


Tgt Ion:244 Resp: 287415
Ion Ratio Lower Upper
244 100
212 6.0 5.3 7.9
122 7.5 5.6 8.4

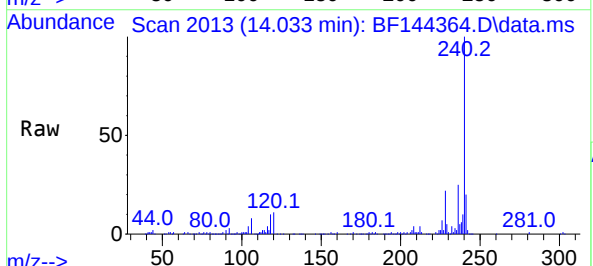
Manual Integrations

APPROVED

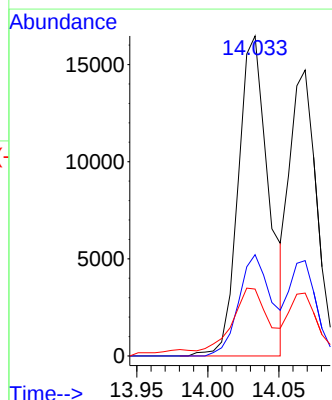
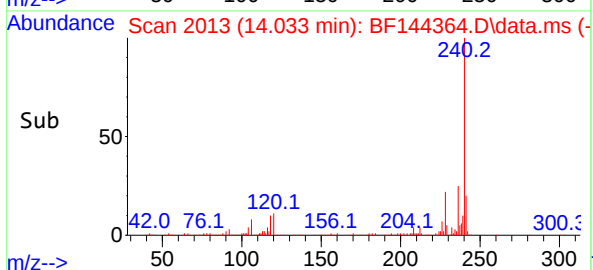
Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025

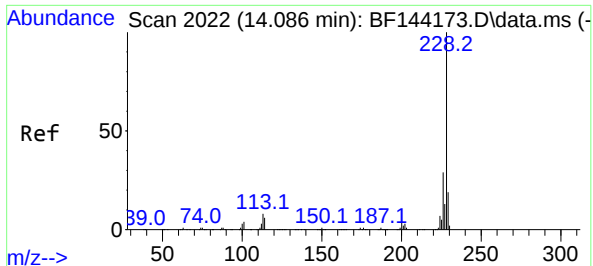


#81
Benzo(a)anthracene
Concen: 2.377 ng
RT: 14.033 min Scan# 2013
Delta R.T. -0.012 min
Lab File: BF144364.D
Acq: 26 Nov 2025 16:42



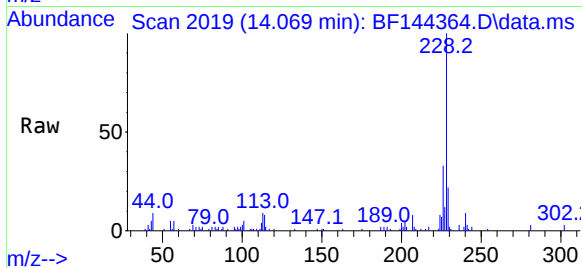
Tgt Ion:228 Resp: 24537
Ion Ratio Lower Upper
228 100
226 31.7 21.8 32.8
229 20.9 15.8 23.6





#83
Chrysene
Concen: 2.058 ng
RT: 14.069 min Scan# 2022
Delta R.T. -0.012 min
Lab File: BF144364.D
Acq: 26 Nov 2025 16:42

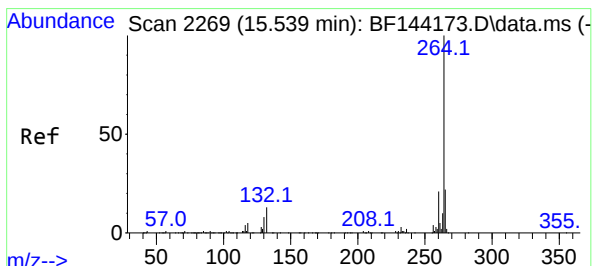
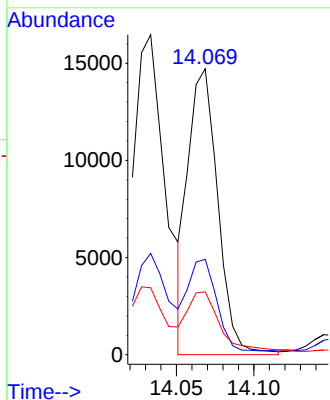
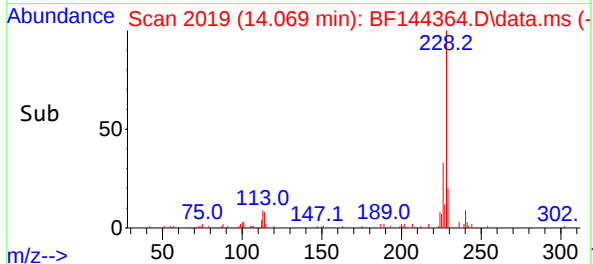
Instrument :
BNA_F
ClientSampleId :
SB-1125-10B



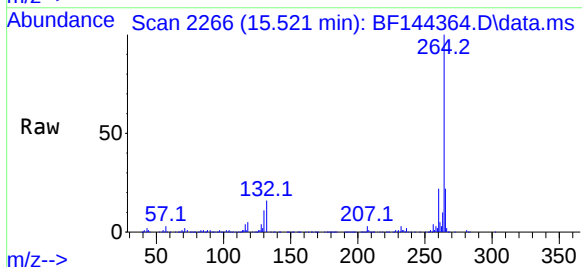
Tgt Ion:228 Resp: 19609
Ion Ratio Lower Upper
228 100
226 33.4 22.9 34.3
229 22.0 15.0 22.6

Manual Integrations
APPROVED

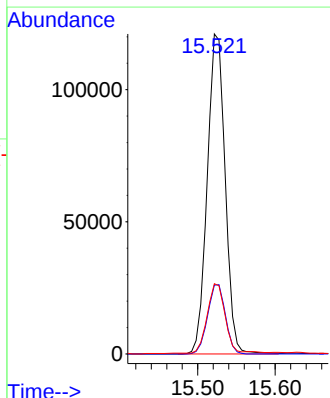
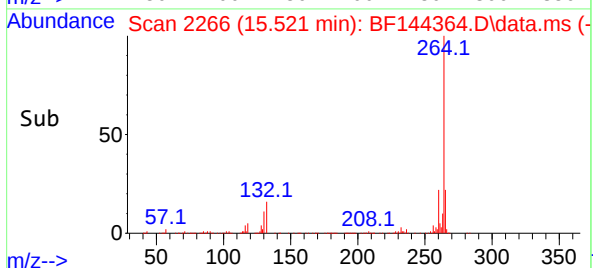
Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025

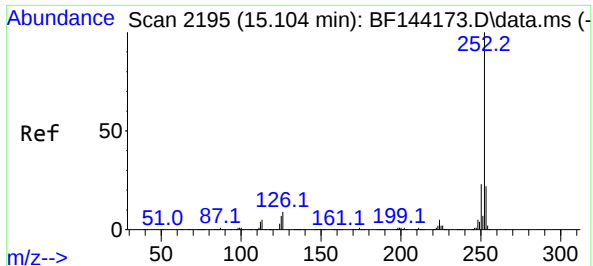


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.521 min Scan# 2266
Delta R.T. -0.018 min
Lab File: BF144364.D
Acq: 26 Nov 2025 16:42



Tgt Ion:264 Resp: 194636
Ion Ratio Lower Upper
264 100
260 21.5 17.1 25.7
265 22.0 17.4 26.0





#88

Benzo(b)fluoranthene

Concen: 2.427 ng m

RT: 15.092 min Scan# 2195

Delta R.T. -0.006 min

Lab File: BF144364.D

Acq: 26 Nov 2025 16:42

Instrument :

BNA_F

ClientSampleId :

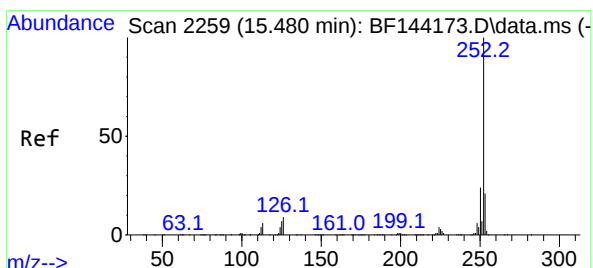
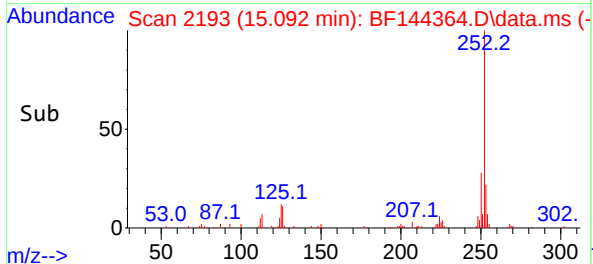
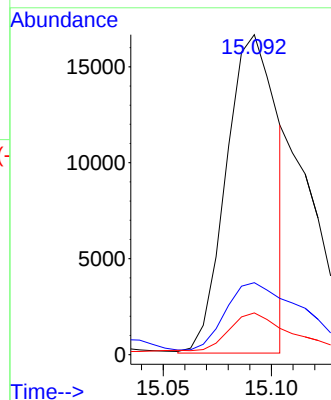
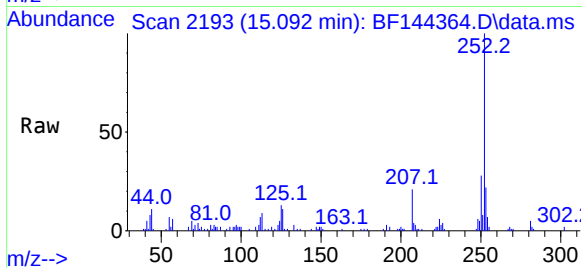
SB-1125-10B

Tgt Ion:	252	Resp:	26860
Ion Ratio	Lower	Upper	
252	100		
253	22.5	17.4	26.2
125	13.1	5.3	7.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
 Supervised By :mohammad ahmed 12/03/2025



#90

Benzo(a)pyrene

Concen: 2.206 ng

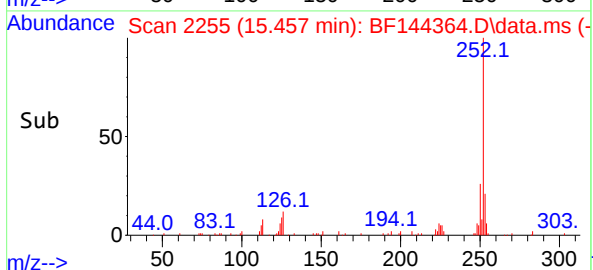
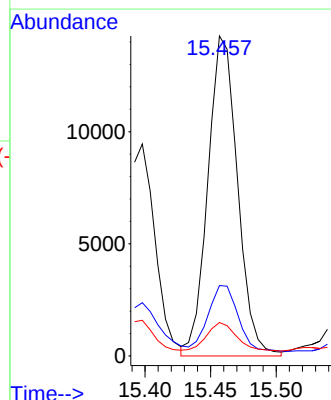
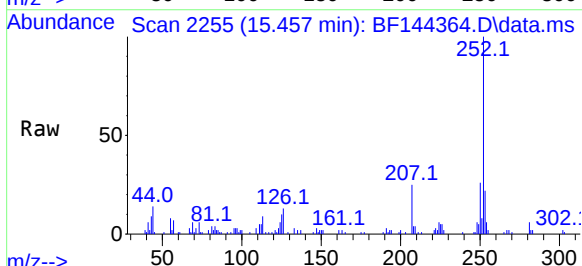
RT: 15.457 min Scan# 2255

Delta R.T. -0.018 min

Lab File: BF144364.D

Acq: 26 Nov 2025 16:42

Tgt Ion:	252	Resp:	22518
Ion Ratio	Lower	Upper	
252	100		
253	22.0	16.7	25.1
125	10.4	5.7	8.5



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112625\
 Data File : BF144364.D
 Acq On : 26 Nov 2025 16:42
 Operator : RC/JU
 Sample : Q3719-02
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-1125-10B

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF144364.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.075	484	490	503	rVB	206072	304800	30.83%	3.359%
2	5.487	554	560	584	rBV	686471	943945	95.49%	10.402%
3	6.493	726	731	755	rBV	728550	988508	100.00%	10.893%
4	6.857	789	793	801	rBV	278921	362094	36.63%	3.990%
5	7.422	884	889	903	rBV	481991	617618	62.48%	6.806%
6	8.140	1006	1011	1026	rVB	352492	475880	48.14%	5.244%
7	9.216	1189	1194	1204	rBV	782082	986479	99.79%	10.871%
8	9.898	1305	1310	1324	rVB	405210	514769	52.08%	5.673%
9	10.616	1423	1432	1440	rBV	84648	109709	11.10%	1.209%
10	10.692	1440	1445	1460	rVV	467168	608447	61.55%	6.705%
11	11.392	1559	1564	1574	rBV	360544	493856	49.96%	5.442%
12	11.839	1633	1640	1644	rBV3	25534	46492	4.70%	0.512%
13	11.916	1648	1653	1661	rVV2	118736	184521	18.67%	2.033%
14	12.610	1766	1771	1782	rBV	57263	88259	8.93%	0.973%
15	12.704	1782	1787	1793	rBV2	18908	30738	3.11%	0.339%
16	12.839	1803	1810	1815	rBV	48749	69309	7.01%	0.764%
17	12.980	1828	1834	1843	rVB	527353	700767	70.89%	7.722%
18	13.051	1843	1846	1854	rVB5	6377	11576	1.17%	0.128%
19	13.169	1858	1866	1870	rBV2	8426	16730	1.69%	0.184%
20	13.880	1979	1987	1997	rVB5	43774	93111	9.42%	1.026%
21	14.039	2007	2014	2026	rBV2	320289	500224	50.60%	5.512%
22	14.198	2037	2041	2046	rBV6	7617	12222	1.24%	0.135%
23	14.427	2077	2080	2084	rVB	10151	13495	1.37%	0.149%
24	14.522	2089	2096	2099	rBV5	11922	26009	2.63%	0.287%
25	14.804	2141	2144	2149	rVB5	10961	14327	1.45%	0.158%
26	14.880	2153	2157	2162	rVB	27196	39198	3.97%	0.432%
27	15.092	2188	2193	2200	rBV	43130	104735	10.60%	1.154%
28	15.198	2208	2211	2216	rBV	9589	13210	1.34%	0.146%
29	15.398	2240	2245	2250	rVB	22732	38021	3.85%	0.419%
30	15.457	2251	2255	2261	rVV	36716	59862	6.06%	0.660%
31	15.521	2261	2266	2279	rVB	305651	510819	51.68%	5.629%
32	15.974	2338	2343	2348	rVB2	23264	40250	4.07%	0.444%
33	16.480	2426	2429	2436	rVB2	17481	30881	3.12%	0.340%
34	17.021	2517	2521	2527	rBV2	13573	23943	2.42%	0.264%

Sum of corrected areas: 9074804

Instrument :

BNA_F

ClientSampleId :

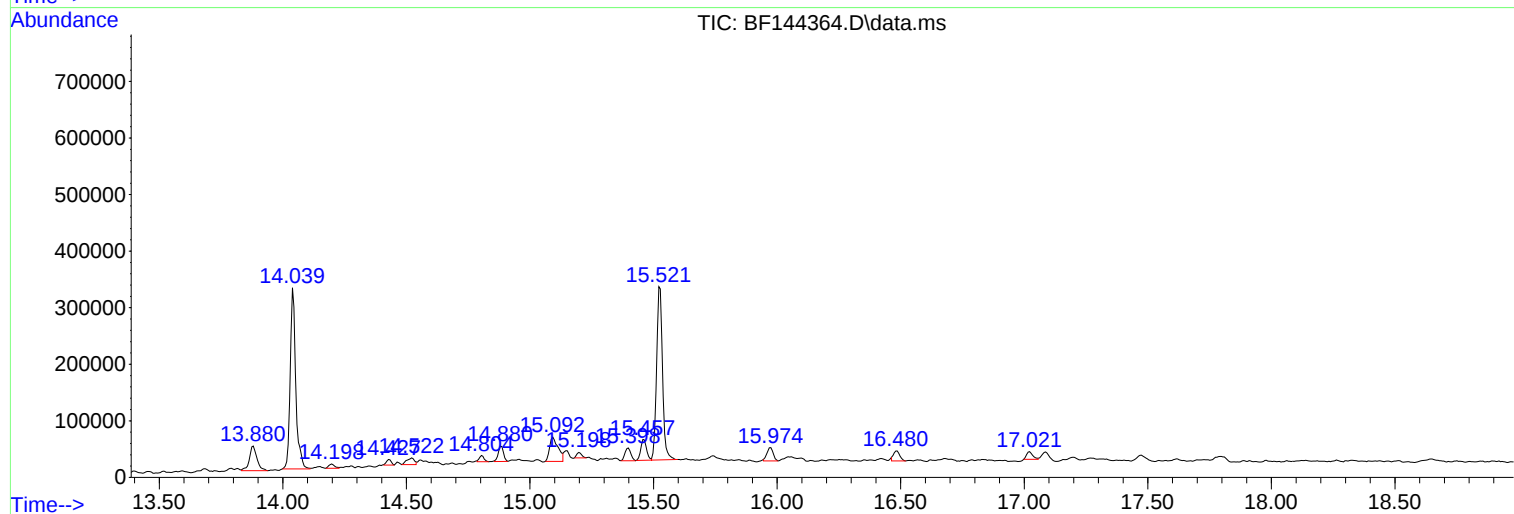
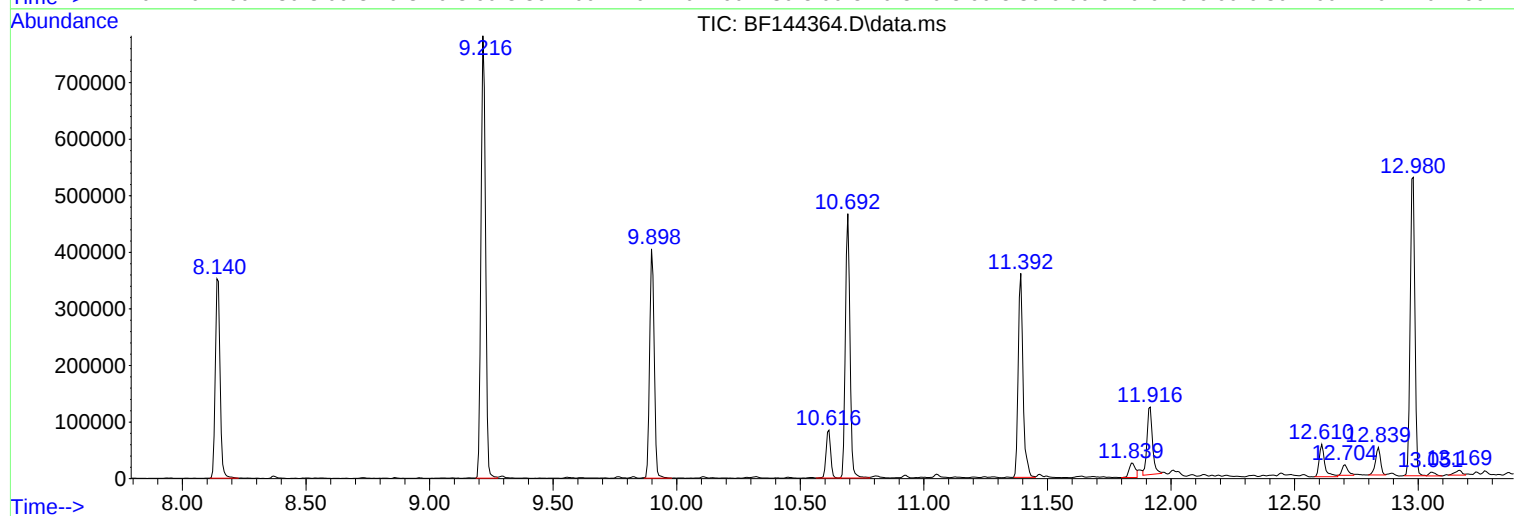
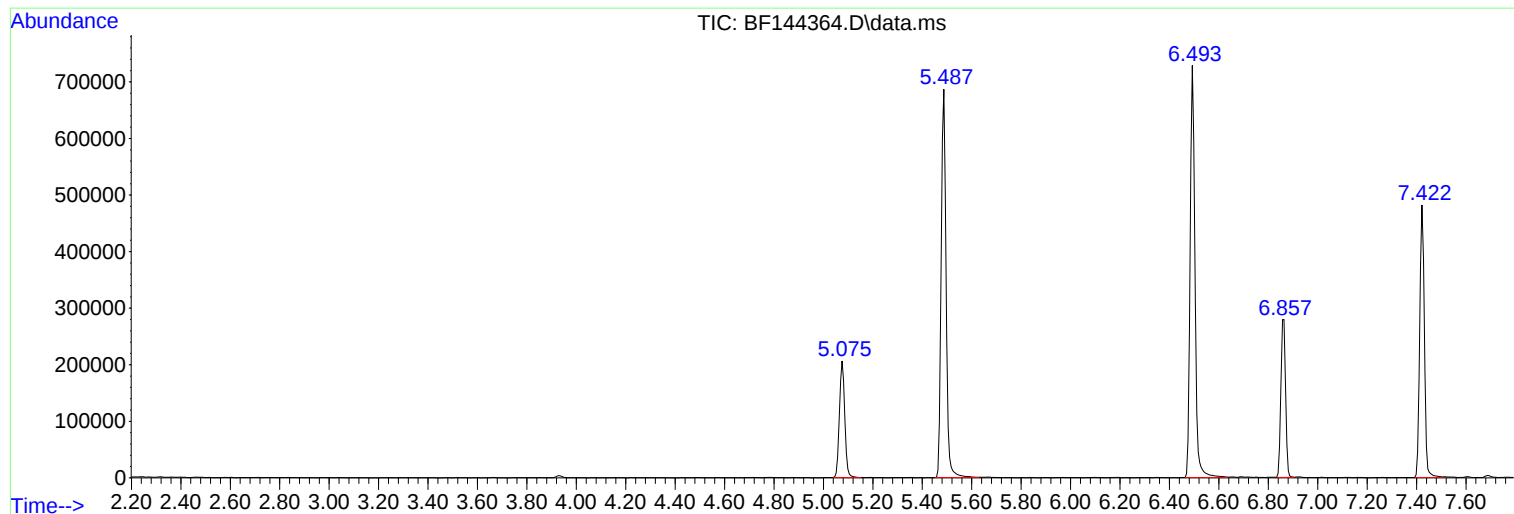
SB-1125-10B

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112625\
Data File : BF144364.D
Acq On : 26 Nov 2025 16:42
Operator : RC/JU
Sample : Q3719-02
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-1125-10B

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112625\
Data File : BF144364.D
Acq On : 26 Nov 2025 16:42
Operator : RC/JU
Sample : Q3719-02
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-1125-10B

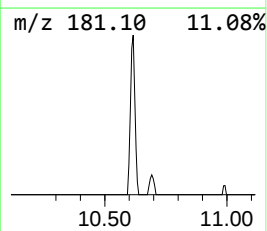
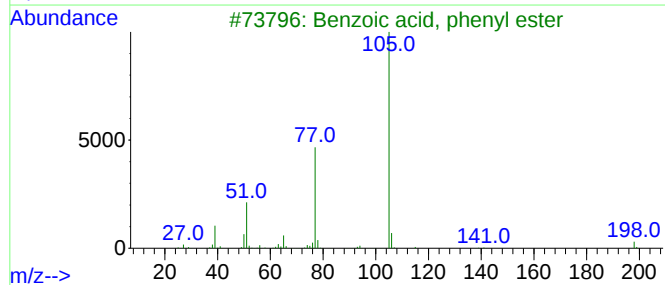
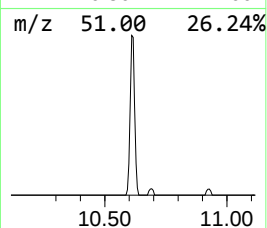
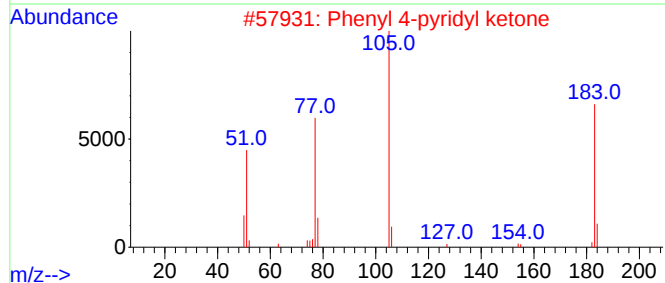
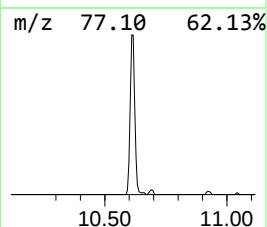
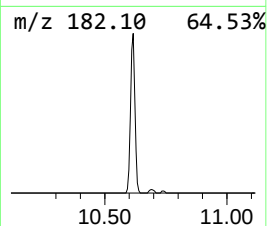
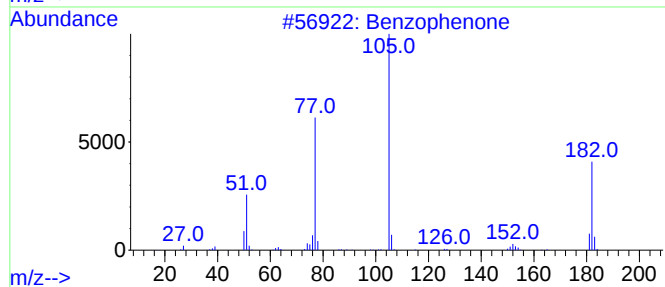
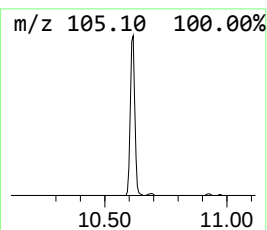
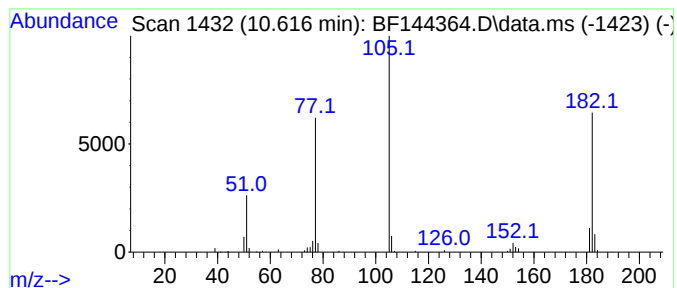
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Benzophenone Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.616	4.26 ng	109709	Acenaphthene-d10	9.898

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	96
2			Phenyl 4-pyridyl ketone	183	C12H9NO	014548-46-0	53
3			Benzoic acid, phenyl ester	198	C13H10O2	000093-99-2	47
4			N-cyanobenzamide	146	C8H6N2O	015150-25-1	47
5			2-Benzoyl-4-bromo-5-methyl-1,2-o...	281	C11H8BrNO3	1000444-92-3	47



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112625\
Data File : BF144364.D
Acq On : 26 Nov 2025 16:42
Operator : RC/JU
Sample : Q3719-02
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-1125-10B

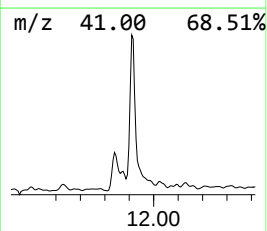
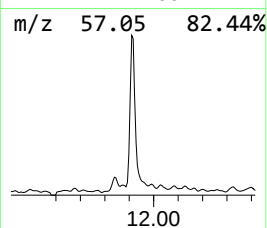
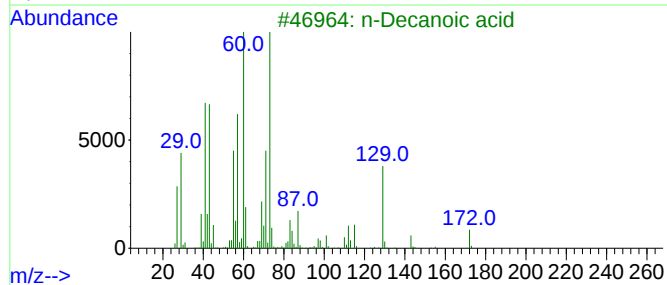
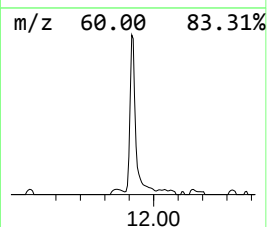
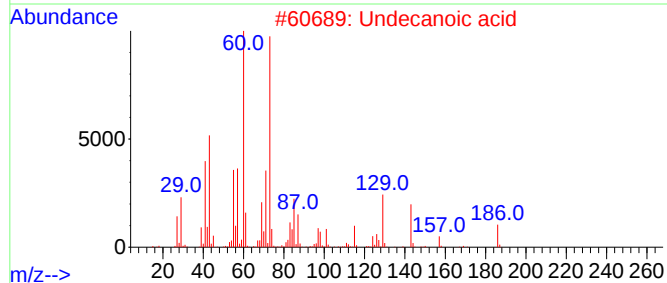
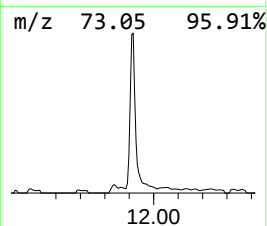
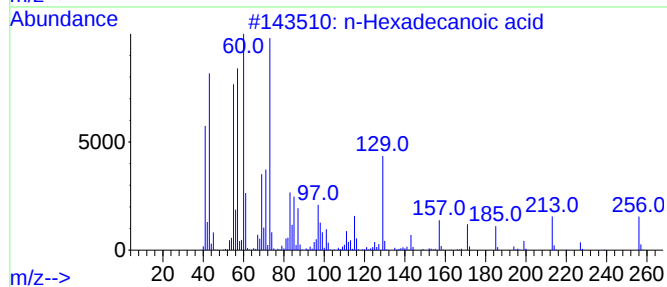
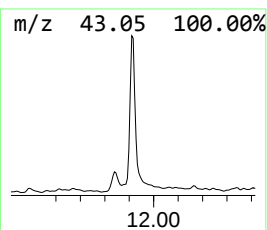
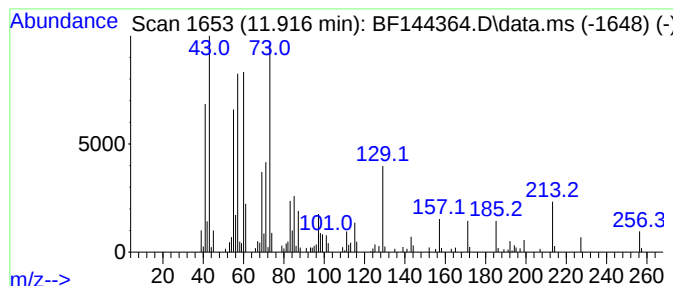
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.916	7.47 ng	184521	Phenanthrene-d10	11.392

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
2		Undecanoic acid	186	C11H22O2	000112-37-8	81
3		n-Decanoic acid	172	C10H20O2	000334-48-5	81
4		Pentadecanoic acid	242	C15H30O2	001002-84-2	74
5		Tridecanoic acid	214	C13H26O2	000638-53-9	72



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112625\
Data File : BF144364.D
Acq On : 26 Nov 2025 16:42
Operator : RC/JU
Sample : Q3719-02
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-1125-10B

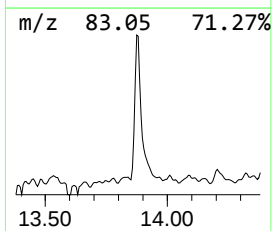
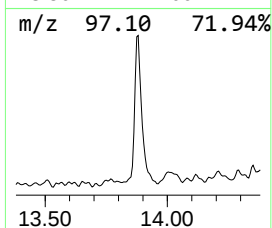
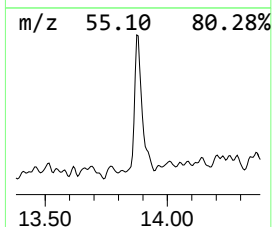
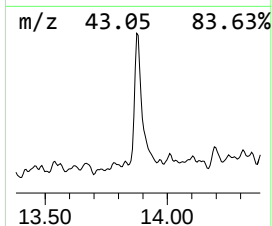
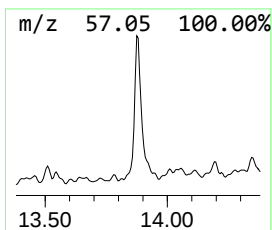
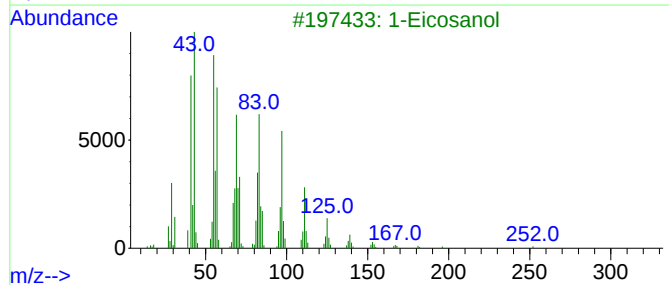
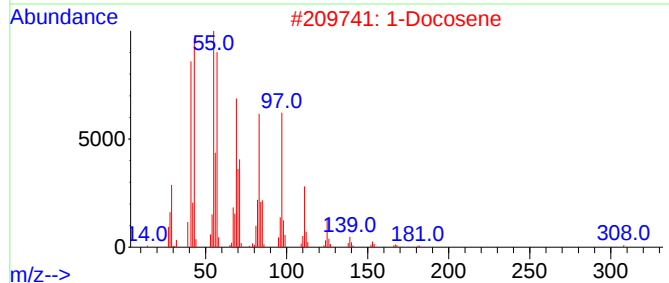
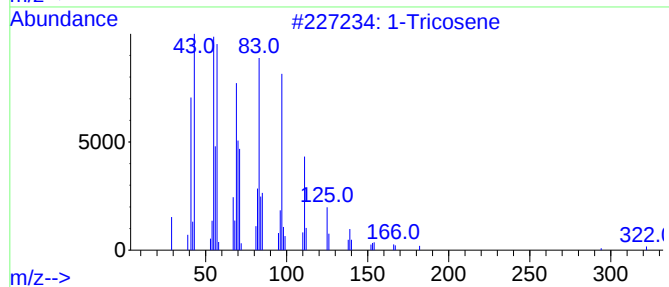
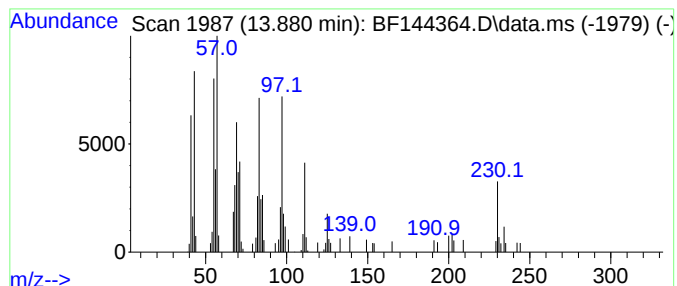
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 1-Tricosene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.880	3.72 ng	93111	Chrysene-d12	14.039

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Tricosene			322	C23H46	018835-32-0	93
2	1-Docosene			308	C22H44	001599-67-3	90
3	1-Eicosanol			298	C20H42O	000629-96-9	90
4	13-Tetradecen-1-ol acetate			254	C16H30O2	056221-91-1	87
5	Heptadecyl heptafluorobutyrate			452	C21H35F7O2	959085-66-6	87



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112625\
Data File : BF144364.D
Acq On : 26 Nov 2025 16:42
Operator : RC/JU
Sample : Q3719-02
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-1125-10B

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Benzophenone	10.616	4.3	ng	109709	3	9.898	514769	20.0
n-Hexadecanoic ...	11.916	7.5	ng	184521	4	11.392	493856	20.0
1-Tricosene	13.880	3.7	ng	93111	5	14.039	500224	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112625\
 Data File : BF144365.D
 Acq On : 26 Nov 2025 17:12
 Operator : RC/JU
 Sample : Q3719-03
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-1125-11A

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
 Supervised By :mohammad ahmed 12/03/2025

Quant Time: Nov 26 17:33:06 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 05 18:37:33 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	56499	20.000	ng	-0.01
21) Naphthalene-d8	8.145	136	215321	20.000	ng	-0.01
39) Acenaphthene-d10	9.898	164	115085	20.000	ng	-0.02
64) Phenanthrene-d10	11.392	188	175885	20.000	ng	-0.01
76) Chrysene-d12	14.039	240	134346	20.000	ng	-0.01
86) Perylene-d12	15.521	264	175772	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	297930	82.519	ng	0.00
7) Phenol-d6	6.492	99	349154	85.348	ng	0.00
23) Nitrobenzene-d5	7.422	82	211086	56.619	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	108691	75.261	ng	-0.01
45) 2-Fluorobiphenyl	9.216	172	436414	56.007	ng	-0.01
79) Terphenyl-d14	12.980	244	337489	39.902	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.416	178	21118	2.412	ng	99
75) Fluoranthene	12.610	202	54838	6.062	ng	98
78) Pyrene	12.839	202	50313	4.645	ng	97
81) Benzo(a)anthracene	14.033	228	49123m	5.276	ng	
83) Chrysene	14.068	228	39469	4.592	ng	97
87) Indeno(1,2,3-cd)pyrene	17.021	276	25485	2.020	ng	# 93
88) Benzo(b)fluoranthene	15.092	252	56507m	5.655	ng	
89) Benzo(k)fluoranthene	15.104	252	25262m	2.701	ng	
90) Benzo(a)pyrene	15.463	252	45528	4.939	ng	# 94
92) Benzo(g,h,i)perylene	17.474	276	21925	2.191	ng	# 91

(#) = qualifier out of range (m) = manual integration (+) = signals summed

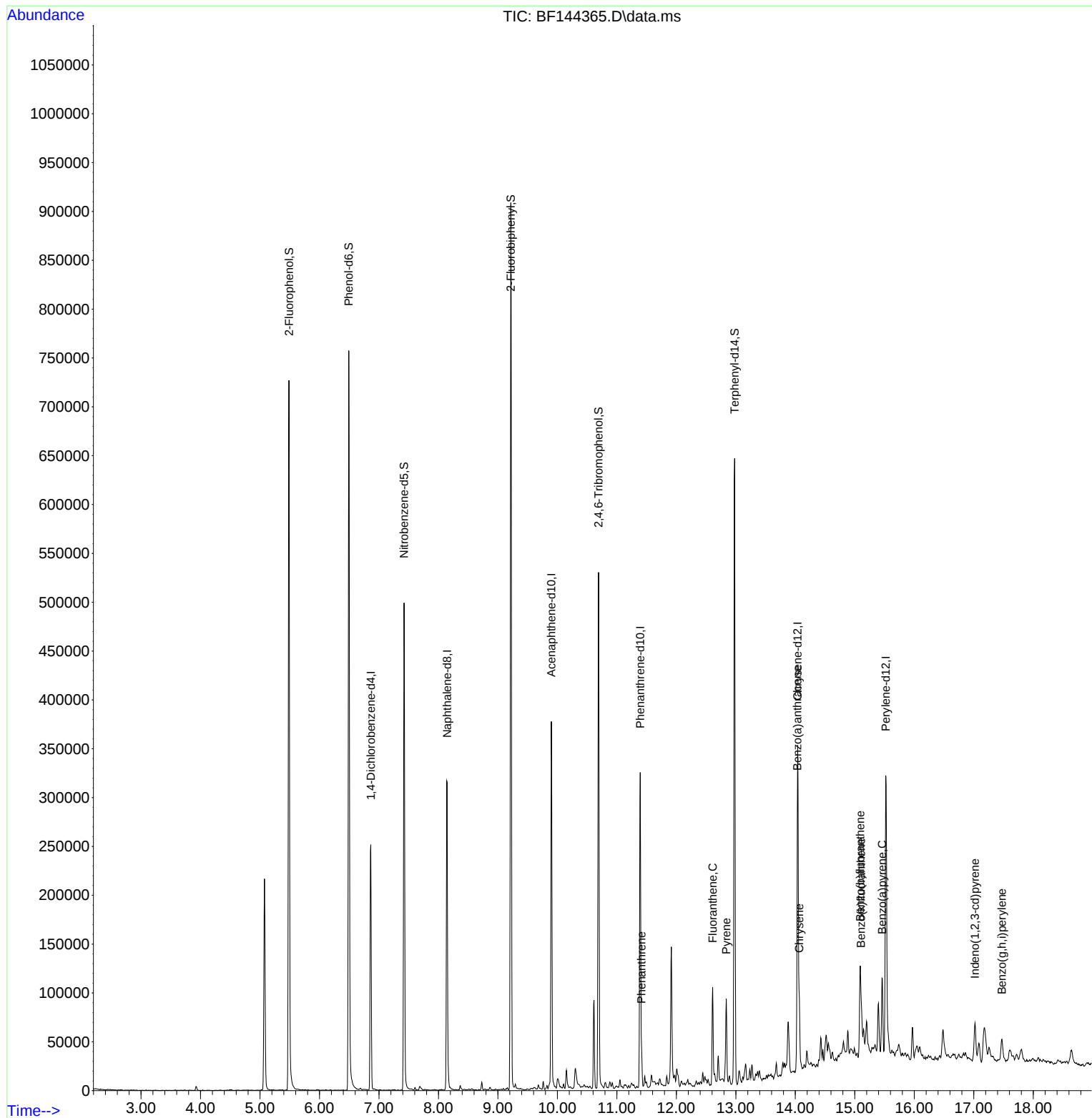
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112625\
Data File : BF144365.D
Acq On : 26 Nov 2025 17:12
Operator : RC/JU
Sample : Q3719-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-1125-11A

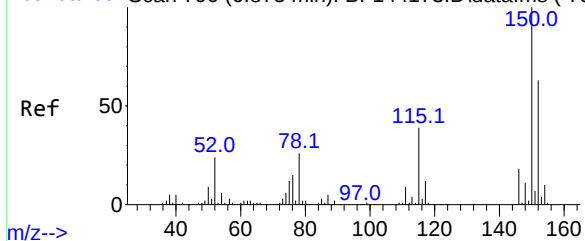
Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025

Quant Time: Nov 26 17:33:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 18:37:33 2025
Response via : Initial Calibration



Abundance Scan 796 (6.875 min): BF144173.D\data.ms (-79



#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.863 min Scan# 796

Delta R.T. -0.012 min

Lab File: BF144365.D

Acq: 26 Nov 2025 17:12

Instrument :

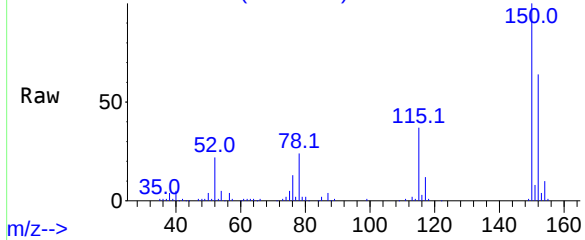
BNA_F

ClientSampleId :

SB-1125-11A

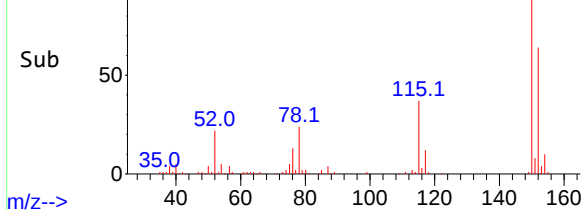
m/z-->

Abundance Scan 794 (6.863 min): BF144365.D\data.ms



m/z-->

Abundance Scan 794 (6.863 min): BF144365.D\data.ms (-77



m/z-->

Tgt Ion:152 Resp: 56499

Ion Ratio Lower Upper

152 100

150 156.3 127.4 191.0

115 57.5 49.5 74.3

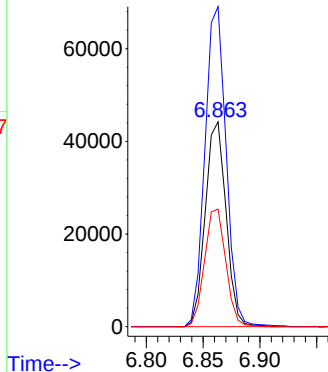
Manual Integrations

APPROVED

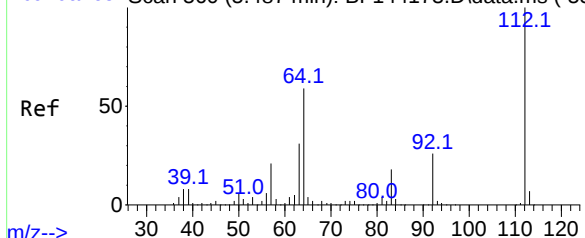
Reviewed By :Jagrut Upadhyay 12/02/2025

Supervised By :mohammad ahmed 12/03/2025

Abundance

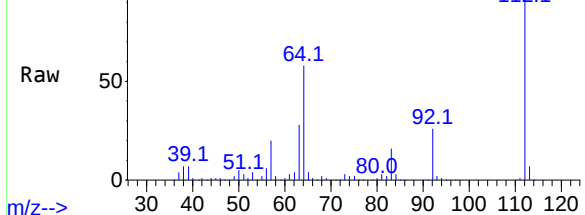


Abundance Scan 560 (5.487 min): BF144173.D\data.ms (-55



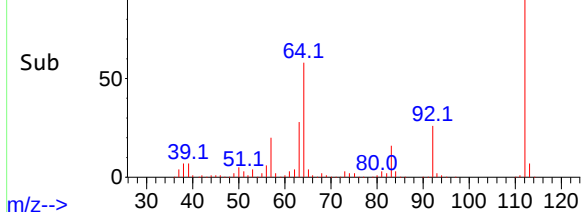
m/z-->

Abundance Scan 560 (5.487 min): BF144365.D\data.ms



m/z-->

Abundance Scan 560 (5.487 min): BF144365.D\data.ms (-51



m/z-->

#5

2-Fluorophenol

Concen: 82.519 ng

RT: 5.487 min Scan# 560

Delta R.T. -0.006 min

Lab File: BF144365.D

Acq: 26 Nov 2025 17:12

Tgt Ion:112 Resp: 297930

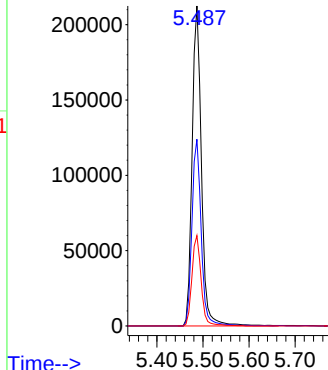
Ion Ratio Lower Upper

112 100

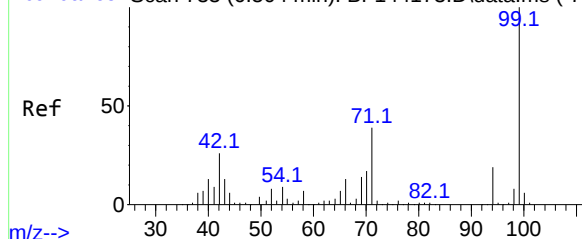
64 58.3 47.2 70.8

63 28.3 24.4 36.6

Abundance



Abundance Scan 733 (6.504 min): BF144173.D\data.ms (-72



#7

Phenol-d6

Concen: 85.348 ng

RT: 6.492 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF144365.D

Acq: 26 Nov 2025 17:12

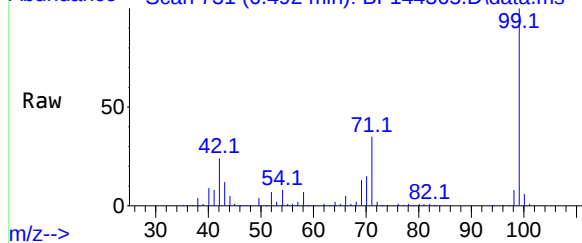
Instrument :

BNA_F

ClientSampleId :

SB-1125-11A

Abundance Scan 731 (6.492 min): BF144365.D\data.ms



Tgt Ion: 99 Resp: 349154

Ion Ratio Lower Upper

99 100

42 24.3 20.9 31.3

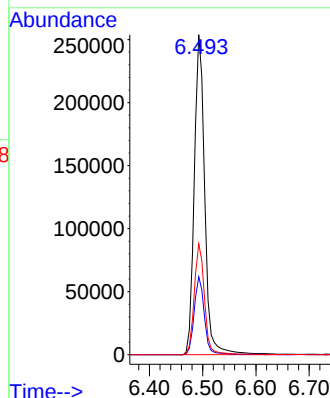
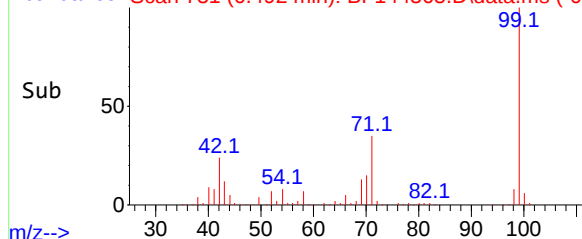
71 34.7 31.4 47.2

Manual Integrations

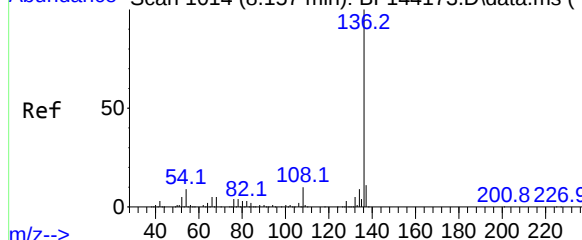
APPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025

Abundance Scan 731 (6.492 min): BF144365.D\data.ms (-68



Abundance Scan 1014 (8.157 min): BF144173.D\data.ms (-1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.145 min Scan# 1012

Delta R.T. -0.012 min

Lab File: BF144365.D

Acq: 26 Nov 2025 17:12

Tgt Ion:136 Resp: 215321

Ion Ratio Lower Upper

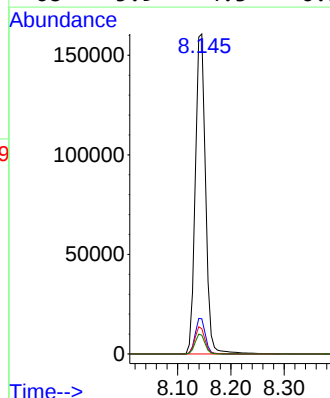
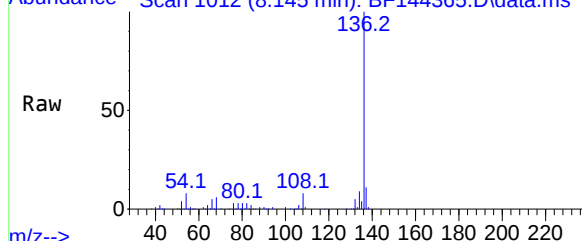
136 100

137 11.0 8.6 13.0

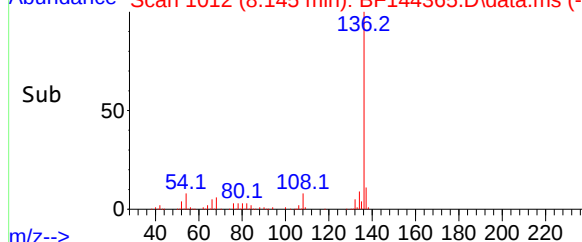
54 7.9 7.0 10.6

68 5.9 4.3 6.5

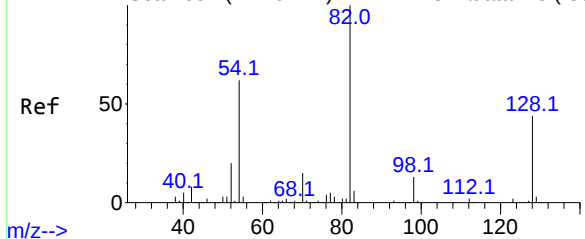
Abundance Scan 1012 (8.145 min): BF144365.D\data.ms



Abundance Scan 1012 (8.145 min): BF144365.D\data.ms (-9



Abundance Scan 892 (7.440 min): BF144173.D\data.ms (-88



#23

Nitrobenzene-d5

Concen: 56.619 ng

RT: 7.422 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF144365.D

Acq: 26 Nov 2025 17:12

Instrument :

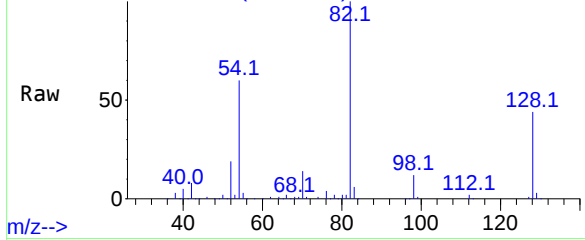
BNA_F

ClientSampleId :

SB-1125-11A

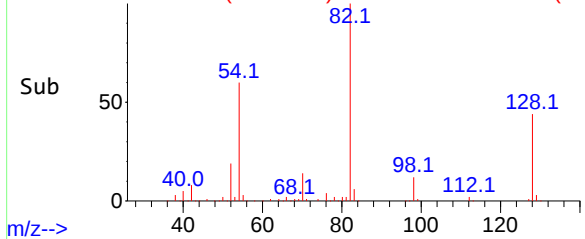
m/z-->

Abundance Scan 889 (7.422 min): BF144365.D\data.ms



m/z-->

Abundance Scan 889 (7.422 min): BF144365.D\data.ms (-84



m/z-->

Tgt Ion: 82 Resp: 211086

Ion Ratio Lower Upper

82 100

128 43.9 34.7 52.1

54 60.4 49.5 74.3

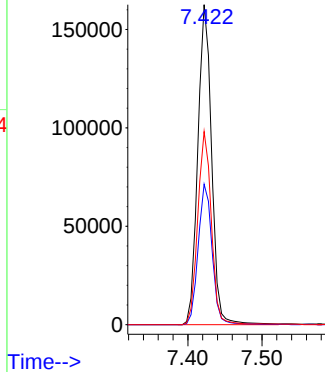
Manual Integrations

APPROVED

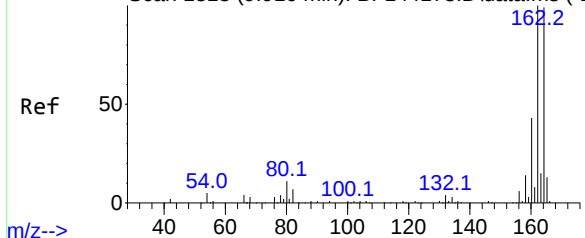
Reviewed By :Jagrut Upadhyay 12/02/2025

Supervised By :mohammad ahmed 12/03/2025

Abundance

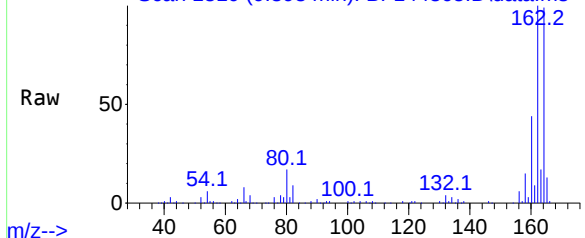


Abundance Scan 1313 (9.916 min): BF144173.D\data.ms (-1



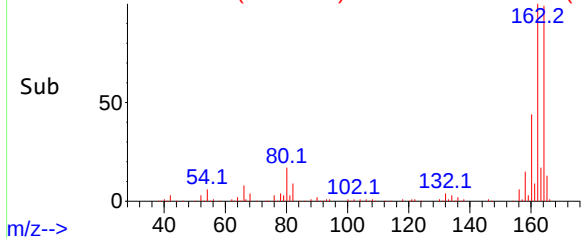
m/z-->

Abundance Scan 1310 (9.898 min): BF144365.D\data.ms



m/z-->

Abundance Scan 1310 (9.898 min): BF144365.D\data.ms (-1



m/z-->

#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.898 min Scan# 1310

Delta R.T. -0.018 min

Lab File: BF144365.D

Acq: 26 Nov 2025 17:12

Tgt Ion:164 Resp: 115085

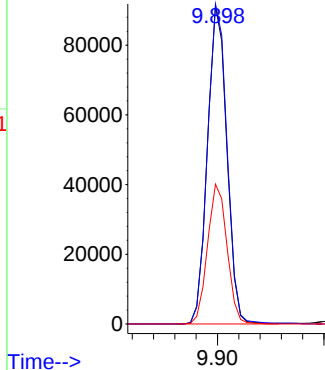
Ion Ratio Lower Upper

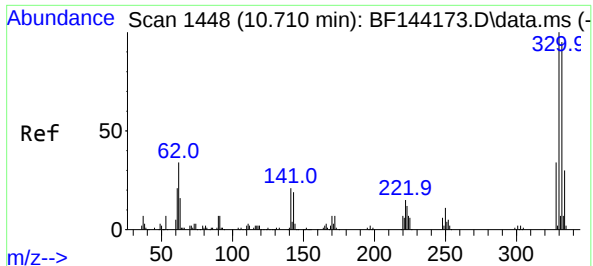
164 100

162 100.6 81.1 121.7

160 44.0 34.5 51.7

Abundance





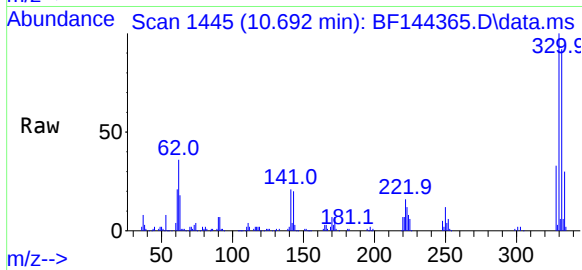
#42
2,4,6-Tribromophenol
Concen: 75.261 ng
RT: 10.692 min Scan# 1445
Delta R.T. -0.012 min
Lab File: BF144365.D
Acq: 26 Nov 2025 17:12

Instrument :

BNA_F

ClientSampleId :

SB-1125-11A

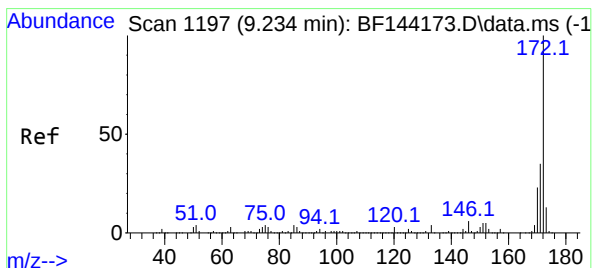
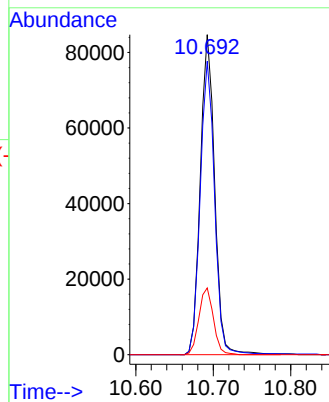
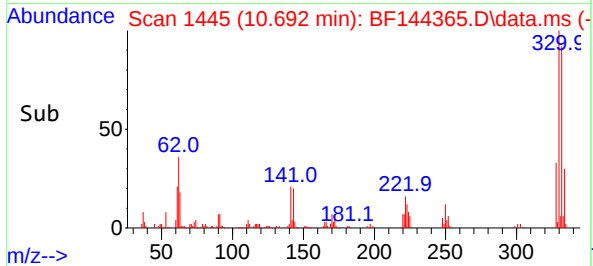


Tgt Ion:330 Resp: 10869
Ion Ratio Lower Upper
330 100
332 92.1 76.7 115.1
141 21.1 17.8 26.8

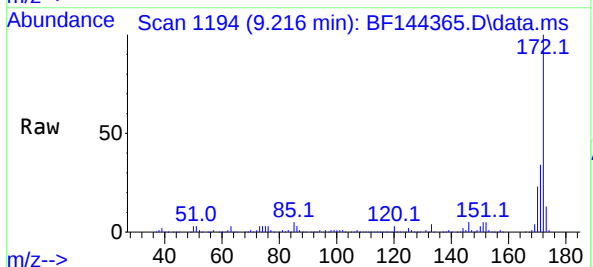
Manual Integrations

APPROVED

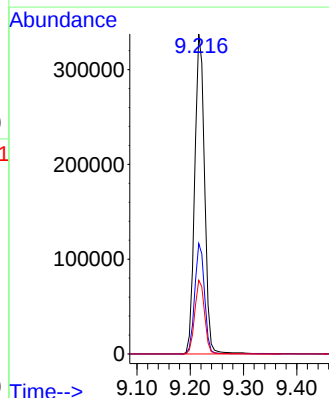
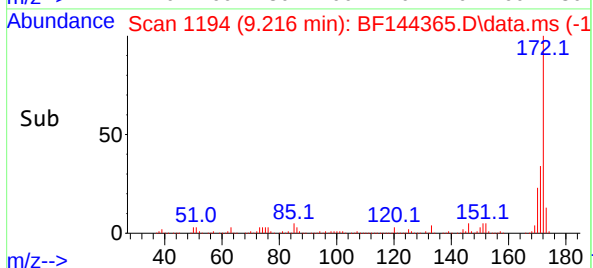
Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025

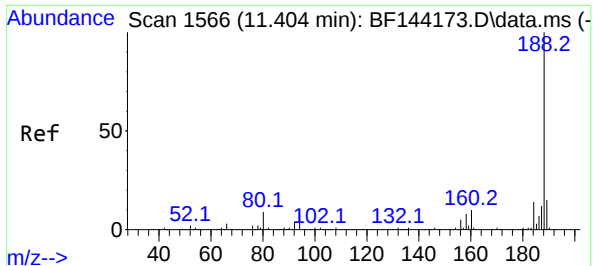


#45
2-Fluorobiphenyl
Concen: 56.007 ng
RT: 9.216 min Scan# 1194
Delta R.T. -0.012 min
Lab File: BF144365.D
Acq: 26 Nov 2025 17:12



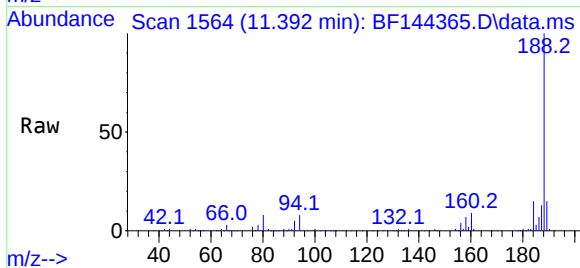
Tgt Ion:172 Resp: 436414
Ion Ratio Lower Upper
172 100
171 34.5 28.1 42.1
170 23.1 18.6 28.0





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF144365.D
Acq: 26 Nov 2025 17:12

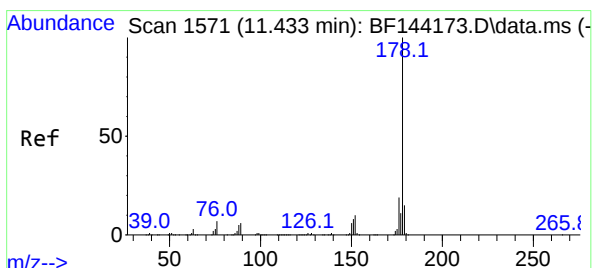
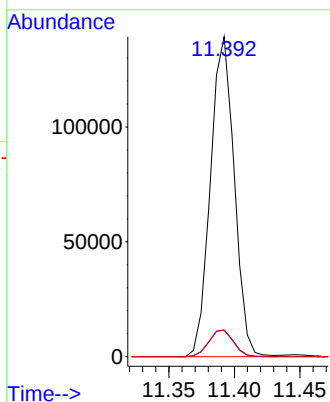
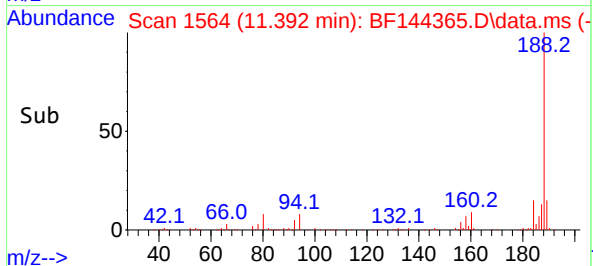
Instrument :
BNA_F
ClientSampleId :
SB-1125-11A



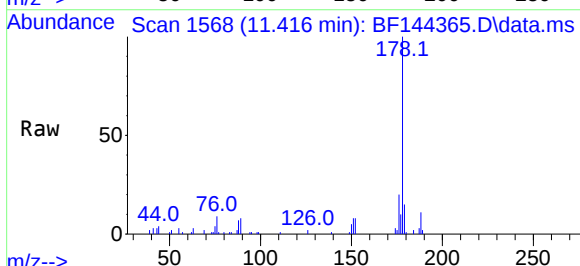
Tgt Ion:188 Resp: 17588
Ion Ratio Lower Upper
188 100
94 8.4 6.2 9.2
80 8.3 6.9 10.3

Manual Integrations
APPROVED

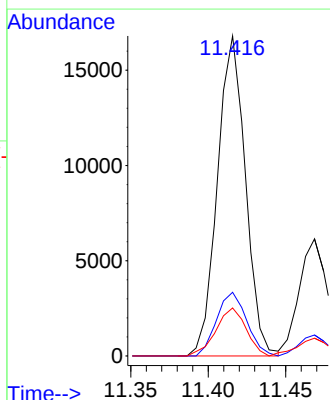
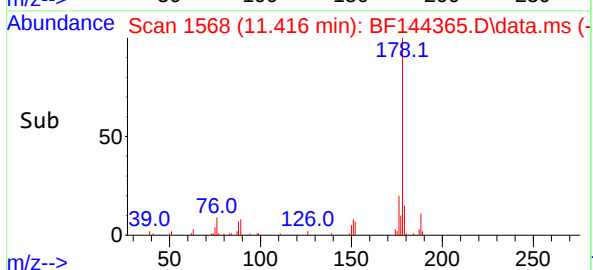
Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025

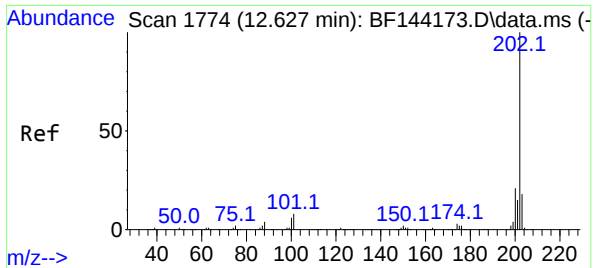


#71
Phenanthrene
Concen: 2.412 ng
RT: 11.416 min Scan# 1568
Delta R.T. -0.012 min
Lab File: BF144365.D
Acq: 26 Nov 2025 17:12



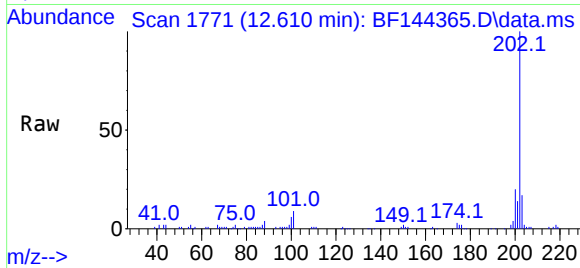
Tgt Ion:178 Resp: 21118
Ion Ratio Lower Upper
178 100
176 19.9 15.5 23.3
179 15.0 12.2 18.4





#75
Fluoranthene
Concen: 6.062 ng
RT: 12.610 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF144365.D
Acq: 26 Nov 2025 17:12

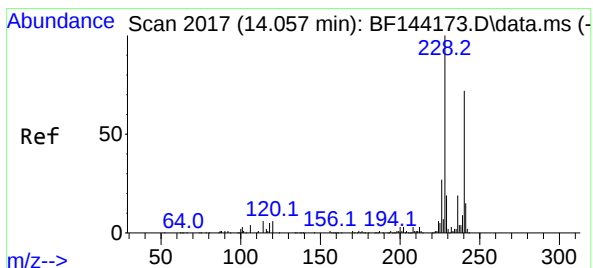
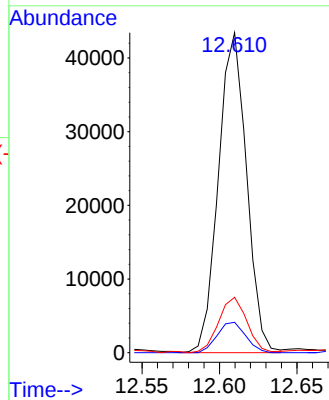
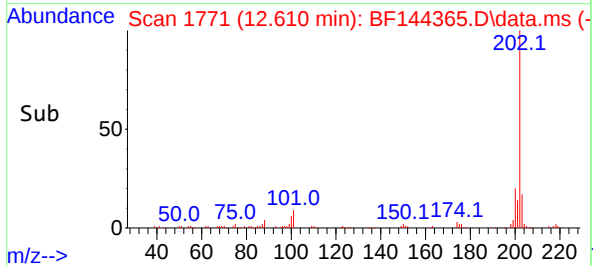
Instrument :
BNA_F
ClientSampleId :
SB-1125-11A



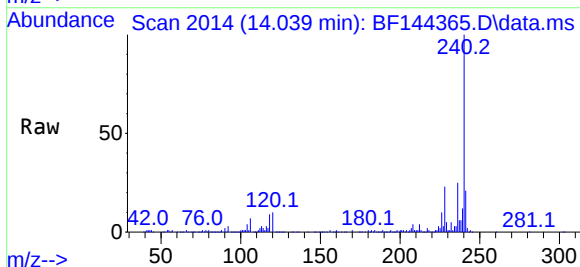
Tgt Ion:202 Resp: 54838
Ion Ratio Lower Upper
202 100
101 9.5 0.0 27.9
203 17.3 0.0 37.5

Manual Integrations
APPROVED

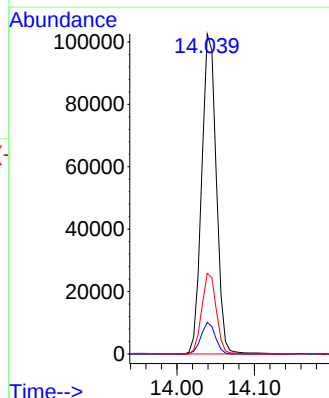
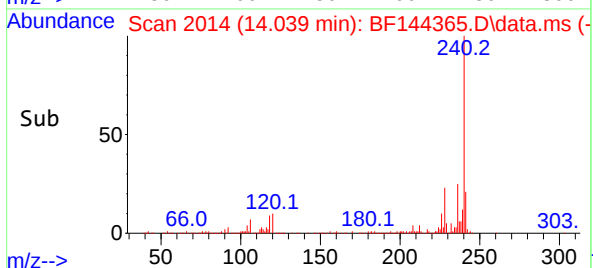
Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025



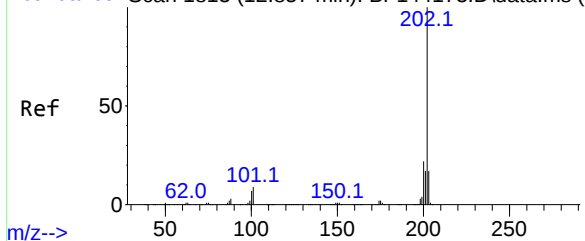
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2014
Delta R.T. -0.012 min
Lab File: BF144365.D
Acq: 26 Nov 2025 17:12



Tgt Ion:240 Resp: 134346
Ion Ratio Lower Upper
240 100
120 9.9 6.6 10.0
236 25.2 21.4 32.2



Abundance Scan 1813 (12.857 min): BF144173.D\data.ms (-



#78

Pyrene

Concen: 4.645 ng

RT: 12.839 min Scan# 1810

Delta R.T. -0.012 min

Lab File: BF144365.D

Acq: 26 Nov 2025 17:12

Instrument :

BNA_F

ClientSampleId :

SB-1125-11A

Tgt Ion:202 Resp: 5031

Ion Ratio Lower Upper

202 100

200 19.7 17.2 25.8

203 17.5 13.7 20.5

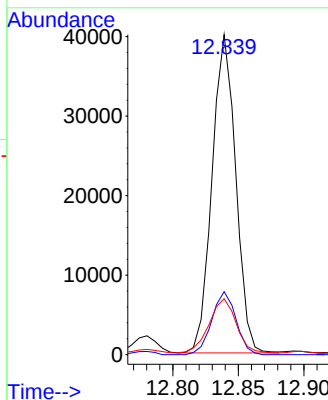
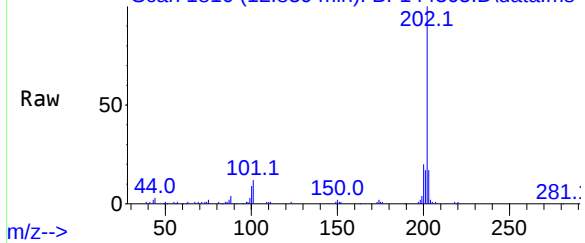
Manual Integrations

APPROVED

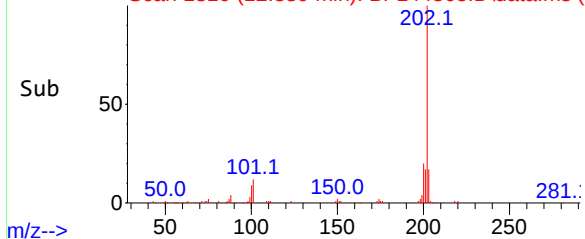
Reviewed By :Jagrut Upadhyay 12/02/2025

Supervised By :mohammad ahmed 12/03/2025

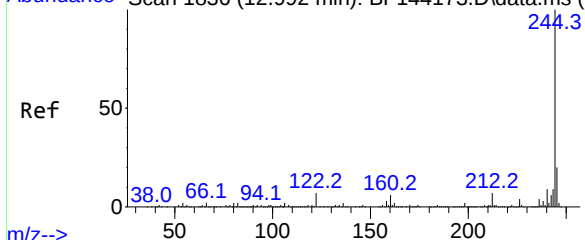
Abundance Scan 1810 (12.839 min): BF144365.D\data.ms



Abundance Scan 1810 (12.839 min): BF144365.D\data.ms (-



Abundance Scan 1836 (12.992 min): BF144173.D\data.ms (-



#79

Terphenyl-d14

Concen: 39.902 ng

RT: 12.980 min Scan# 1834

Delta R.T. -0.012 min

Lab File: BF144365.D

Acq: 26 Nov 2025 17:12

Tgt Ion:244 Resp: 337489

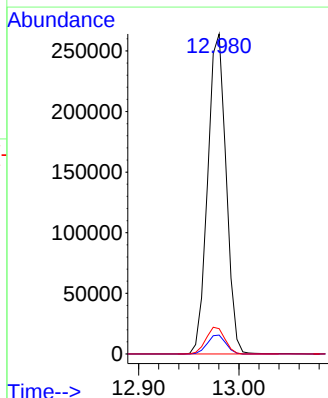
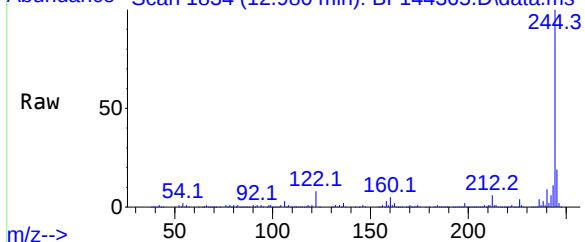
Ion Ratio Lower Upper

244 100

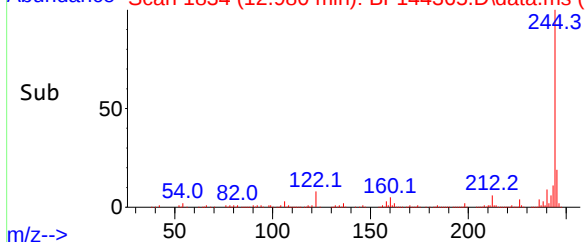
212 5.9 5.3 7.9

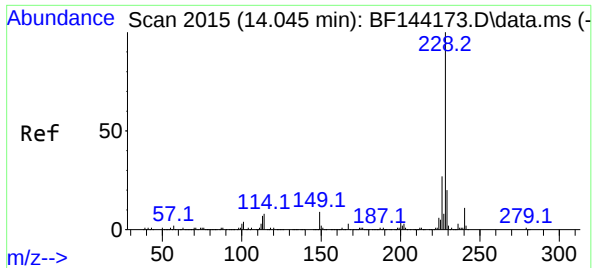
122 7.9 5.6 8.4

Abundance Scan 1834 (12.980 min): BF144365.D\data.ms



Abundance Scan 1834 (12.980 min): BF144365.D\data.ms (-





#81

Benzo(a)anthracene

Concen: 5.276 ng m

RT: 14.033 min Scan# 2019

Delta R.T. -0.012 min

Lab File: BF144365.D

Acq: 26 Nov 2025 17:12

Instrument :

BNA_F

ClientSampleId :

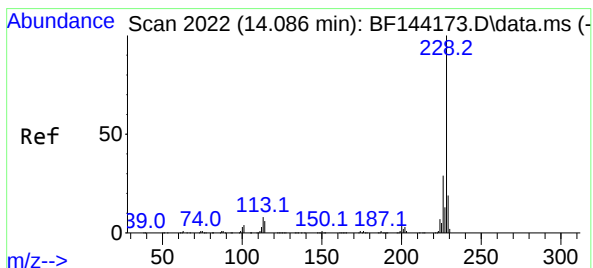
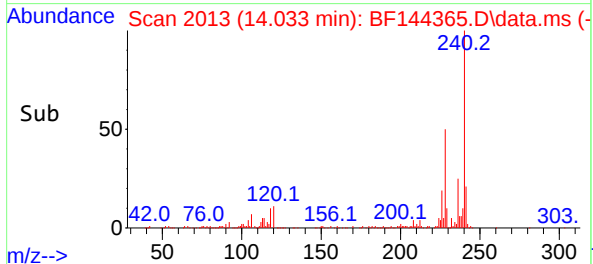
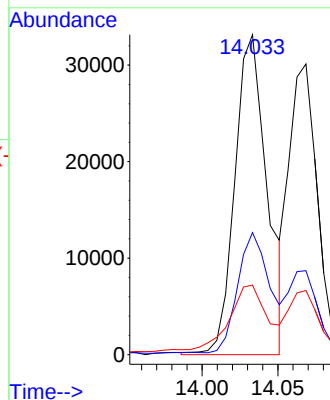
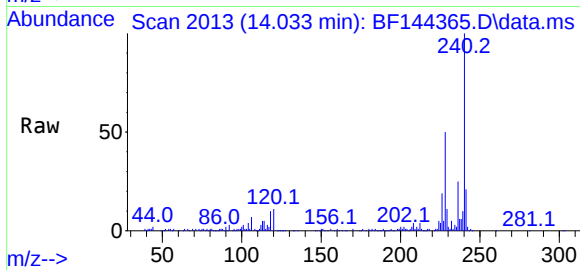
SB-1125-11A

Tgt Ion:	228	Resp:	4912
Ion Ratio	Lower	Upper	
228	100		
226	38.2	21.8	32.8
229	21.8	15.8	23.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
 Supervised By :mohammad ahmed 12/03/2025



#83

Chrysene

Concen: 4.592 ng

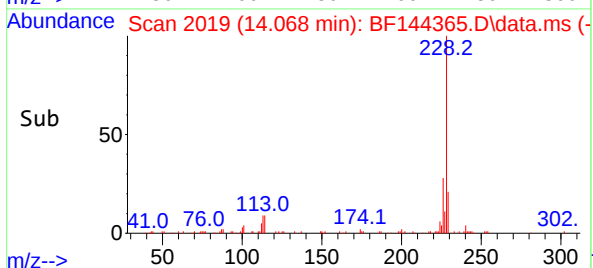
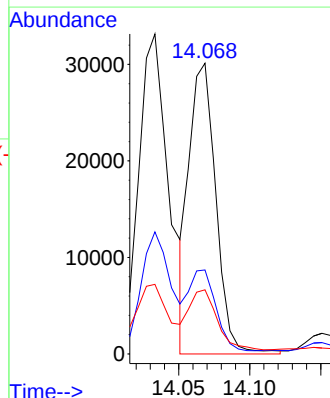
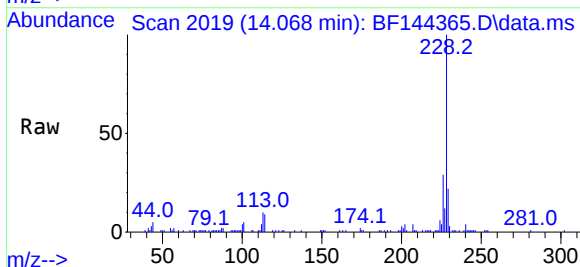
RT: 14.068 min Scan# 2019

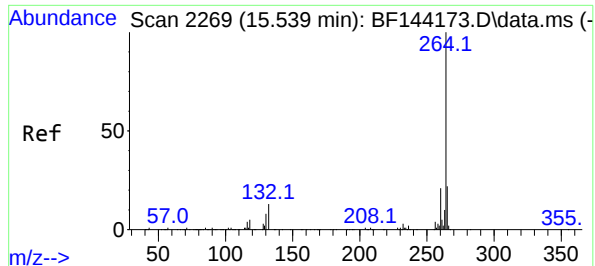
Delta R.T. -0.012 min

Lab File: BF144365.D

Acq: 26 Nov 2025 17:12

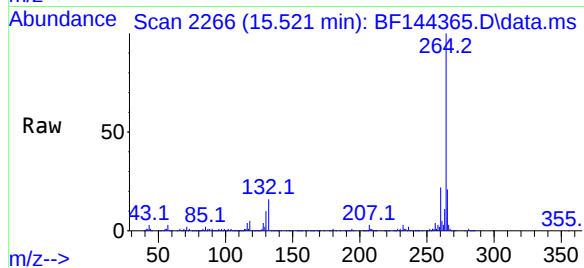
Tgt Ion:	228	Resp:	39469
Ion Ratio	Lower	Upper	
228	100		
226	28.9	22.9	34.3
229	22.1	15.0	22.6





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.521 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF144365.D
Acq: 26 Nov 2025 17:12

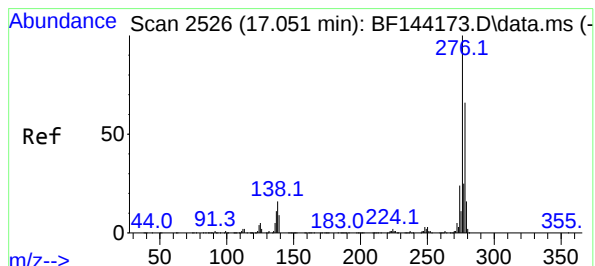
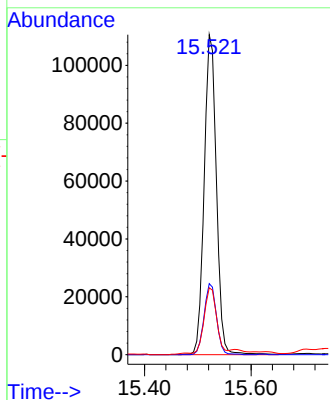
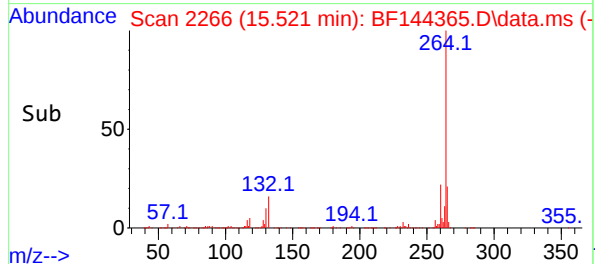
Instrument :
BNA_F
ClientSampleId :
SB-1125-11A



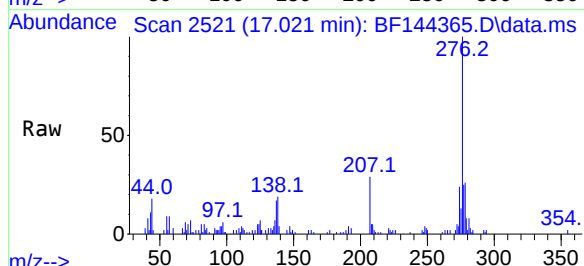
Tgt Ion:264 Resp: 175772
Ion Ratio Lower Upper
264 100
260 22.2 17.1 25.7
265 20.9 17.4 26.0

Manual Integrations
APPROVED

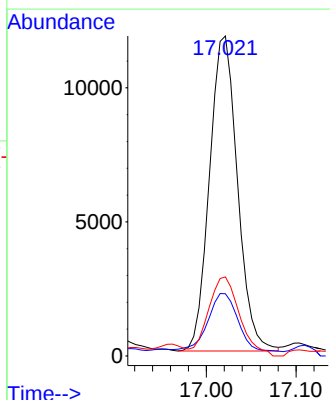
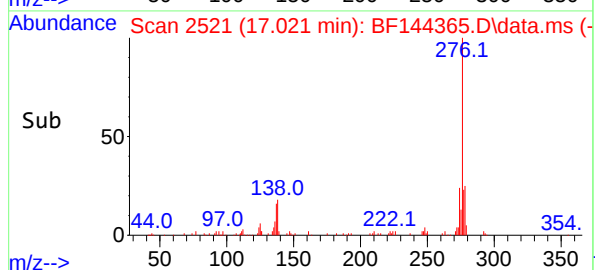
Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025



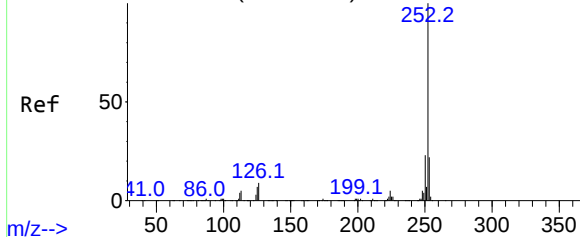
#87
Indeno(1,2,3-cd)pyrene
Concen: 2.020 ng
RT: 17.021 min Scan# 2521
Delta R.T. -0.012 min
Lab File: BF144365.D
Acq: 26 Nov 2025 17:12



Tgt Ion:276 Resp: 25485
Ion Ratio Lower Upper
276 100
138 20.9 13.9 20.9#
277 28.0 19.8 29.6



Abundance Scan 2195 (15.104 min): BF144173.D\data.ms (-



#88

Benzo(b)fluoranthene

Concen: 5.655 ng m

RT: 15.092 min Scan# 2195

Delta R.T. -0.006 min

Lab File: BF144365.D

Acq: 26 Nov 2025 17:12

Instrument :

BNA_F

ClientSampleId :

SB-1125-11A

Tgt Ion:252 Resp: 5650

Ion Ratio Lower Upper

252 100

253 22.4 17.4 26.2

125 8.9 5.3 7.9

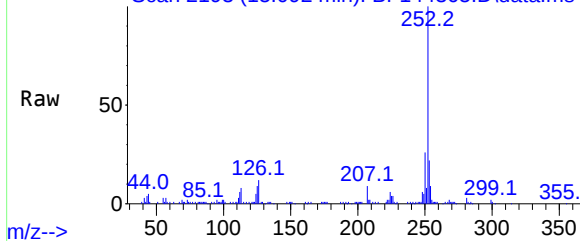
Manual Integrations

APPROVED

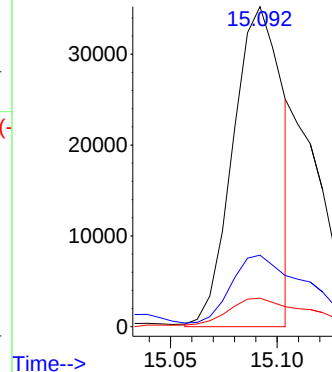
Reviewed By :Jagrut Upadhyay 12/02/2025

Supervised By :mohammad ahmed 12/03/2025

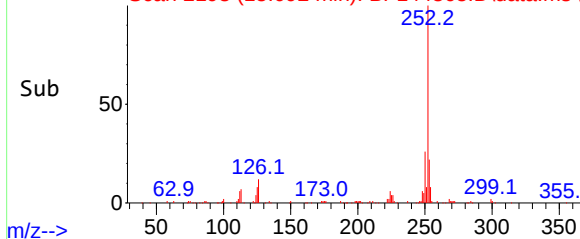
Abundance Scan 2193 (15.092 min): BF144365.D\data.ms



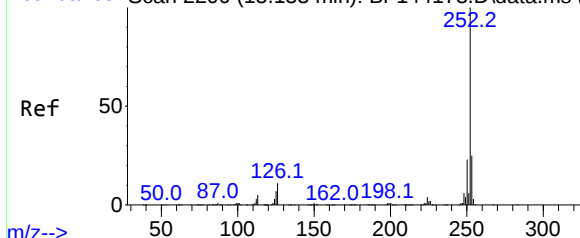
Abundance



Abundance Scan 2193 (15.092 min): BF144365.D\data.ms (-



Abundance Scan 2200 (15.133 min): BF144173.D\data.ms (-



#89

Benzo(k)fluoranthene

Concen: 2.701 ng m

RT: 15.104 min Scan# 2195

Delta R.T. -0.024 min

Lab File: BF144365.D

Acq: 26 Nov 2025 17:12

Tgt Ion:252 Resp: 25262

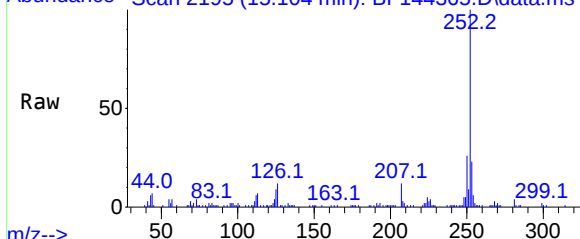
Ion Ratio Lower Upper

252 100

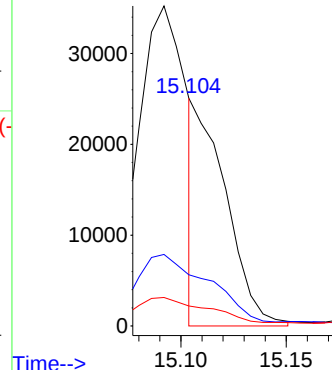
253 22.5 18.0 27.0

125 8.8 5.4 8.2

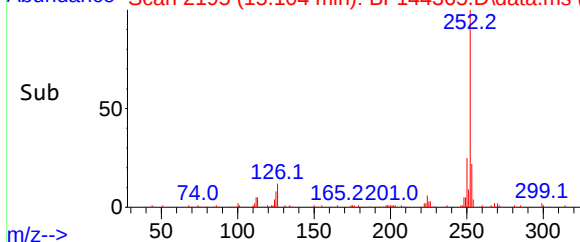
Abundance Scan 2195 (15.104 min): BF144365.D\data.ms



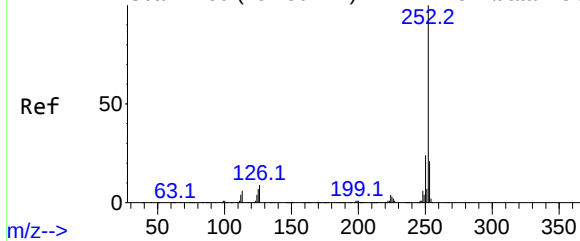
Abundance



Abundance Scan 2195 (15.104 min): BF144365.D\data.ms (-



Abundance Scan 2259 (15.480 min): BF144173.D\data.ms (-



#90

Benzo(a)pyrene

Concen: 4.939 ng

RT: 15.463 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF144365.D

Acq: 26 Nov 2025 17:12

Instrument :

BNA_F

ClientSampleId :

SB-1125-11A

Tgt Ion:252 Resp: 45528

Ion Ratio Lower Upper

252 100

253 23.3 16.7 25.1

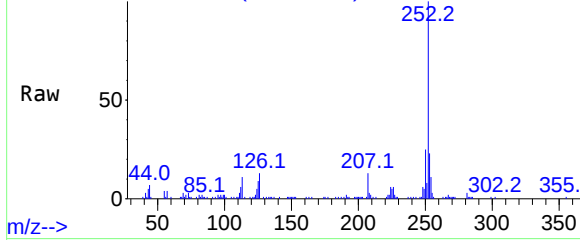
125 9.5 5.7 8.5

Manual Integrations

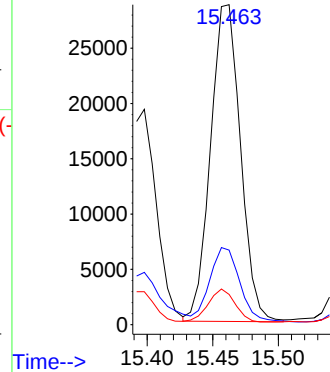
APPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025

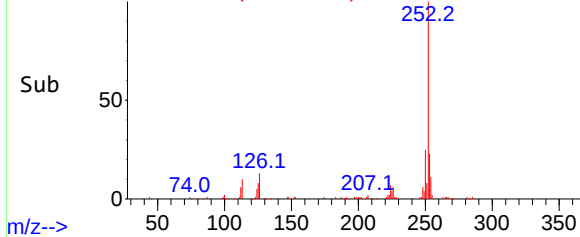
Abundance Scan 2256 (15.463 min): BF144365.D\data.ms



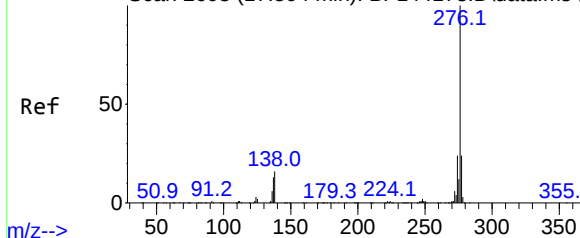
Abundance



Abundance Scan 2256 (15.463 min): BF144365.D\data.ms (-



Abundance Scan 2603 (17.504 min): BF144173.D\data.ms (-



#92

Benzo(g,h,i)perylene

Concen: 2.191 ng

RT: 17.474 min Scan# 2598

Delta R.T. -0.018 min

Lab File: BF144365.D

Acq: 26 Nov 2025 17:12

Tgt Ion:276 Resp: 21925

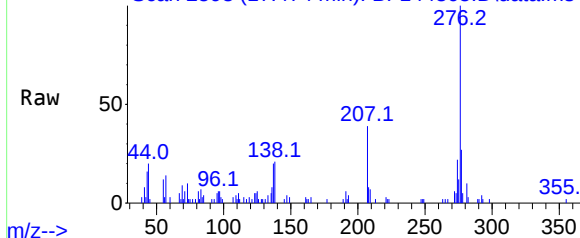
Ion Ratio Lower Upper

276 100

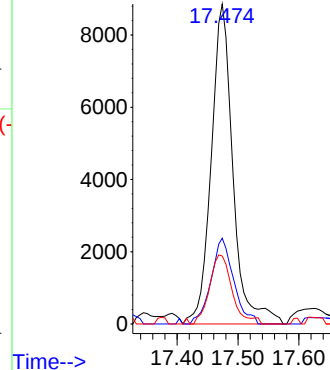
277 26.8 19.0 28.4

138 21.3 12.9 19.3#

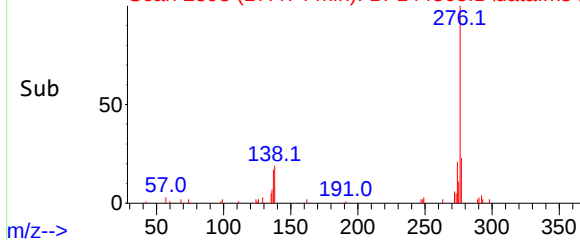
Abundance Scan 2598 (17.474 min): BF144365.D\data.ms



Abundance



Abundance Scan 2598 (17.474 min): BF144365.D\data.ms (-



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112625\
 Data File : BF144365.D
 Acq On : 26 Nov 2025 17:12
 Operator : RC/JU
 Sample : Q3719-03
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-1125-11A

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF144365.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.075	484	490	500	rBV	215976	320261	27.89%	3.024%
2	5.487	554	560	584	rBV	726240	1002884	87.33%	9.471%
3	6.493	726	731	759	rBV	756957	1036732	90.27%	9.791%
4	6.863	789	794	802	rBV	251044	325245	28.32%	3.072%
5	7.422	884	889	905	rBV	498916	649136	56.52%	6.130%
6	8.139	1003	1011	1019	rBV	316352	435896	37.96%	4.117%
7	9.216	1189	1194	1204	rBV	908023	1148437	100.00%	10.846%
8	9.898	1305	1310	1319	rVB	373833	477886	41.61%	4.513%
9	10.004	1324	1328	1335	rBV2	9494	20678	1.80%	0.195%
10	10.151	1349	1353	1361	rBV	18385	29337	2.55%	0.277%
11	10.304	1371	1379	1388	rBV6	20522	52618	4.58%	0.497%
12	10.616	1427	1432	1439	rBV	90252	115307	10.04%	1.089%
13	10.692	1440	1445	1460	rVB	527824	687147	59.83%	6.489%
14	11.392	1558	1564	1572	rBV	322525	455635	39.67%	4.303%
15	11.469	1573	1577	1580	rBV	10370	13055	1.14%	0.123%
16	11.580	1589	1596	1599	rBV	12447	20794	1.81%	0.196%
17	11.839	1636	1640	1644	rBV3	10050	13843	1.21%	0.131%
18	11.916	1645	1653	1660	rBV2	139994	220697	19.22%	2.084%
19	12.010	1665	1669	1677	rVB3	17965	40470	3.52%	0.382%
20	12.445	1739	1743	1746	rBV	11099	14234	1.24%	0.134%
21	12.610	1766	1771	1775	rBV	100421	135432	11.79%	1.279%
22	12.704	1782	1787	1793	rBV2	26364	37144	3.23%	0.351%
23	12.839	1803	1810	1816	rVB	84752	121938	10.62%	1.152%
24	12.892	1816	1819	1824	rVB4	8537	12109	1.05%	0.114%
25	12.980	1825	1834	1841	rVB	641006	846315	73.69%	7.992%
26	13.057	1841	1847	1854	rBV4	13969	30934	2.69%	0.292%
27	13.163	1859	1865	1870	rVV	17069	33259	2.90%	0.314%
28	13.233	1874	1877	1880	rVV	11389	14555	1.27%	0.137%
29	13.269	1880	1883	1889	rVB2	15814	23154	2.02%	0.219%
30	13.398	1902	1905	1912	rVB2	9800	15692	1.37%	0.148%
31	13.680	1945	1953	1959	rBV	16341	31742	2.76%	0.300%
32	13.792	1967	1972	1974	rBV	13259	21009	1.83%	0.198%
33	13.880	1982	1987	1995	rVB4	52038	102715	8.94%	0.970%
34	14.039	2008	2014	2027	rBV2	333801	593759	51.70%	5.607%
35	14.192	2036	2040	2048	rBV2	16727	31988	2.79%	0.302%
36	14.427	2076	2080	2084	rBV	23126	32399	2.82%	0.306%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112625\
Data File : BF144365.D
Acq On : 26 Nov 2025 17:12
Operator : RC/JU
Sample : Q3719-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-1125-11A

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	14.516	2089	2095	2099	rBV5	25816	55453	4.83%	0.524%
38	14.880	2154	2157	2162	rVB	23206	30656	2.67%	0.290%
39	15.092	2187	2193	2200	rBV	93835	219349	19.10%	2.071%
40	15.198	2208	2211	2220	rVB	29992	54490	4.74%	0.515%
41	15.398	2240	2245	2251	rVB	49346	81186	7.07%	0.767%
42	15.457	2251	2255	2260	rVV	75903	118278	10.30%	1.117%
43	15.521	2260	2266	2280	rVB	284316	499848	43.52%	4.720%
44	15.968	2337	2342	2347	rBV	32433	52937	4.61%	0.500%
45	16.480	2424	2429	2441	rBV3	27379	66169	5.76%	0.625%
46	17.021	2515	2521	2527	rBV2	35533	71628	6.24%	0.676%
47	17.174	2540	2547	2557	rBV9	34747	119365	10.39%	1.127%
48	17.474	2593	2598	2609	rVB	22895	55123	4.80%	0.521%

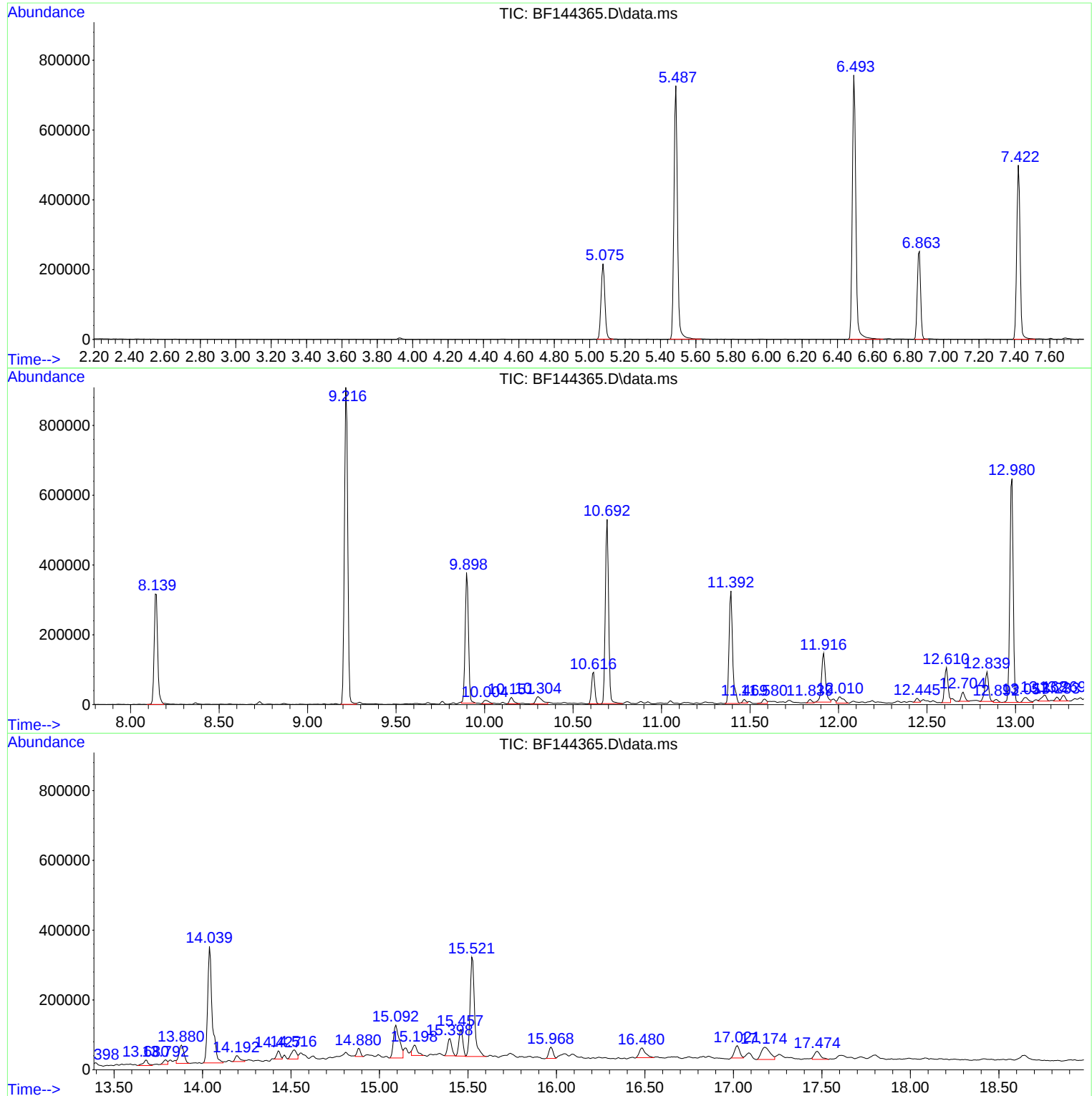
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Acq On : 26 Nov 2025 17:12
Operator : RC/JU
Sample : Q3719-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-1125-11A

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112625\
Data File : BF144365.D
Acq On : 26 Nov 2025 17:12
Operator : RC/JU
Sample : Q3719-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-1125-11A

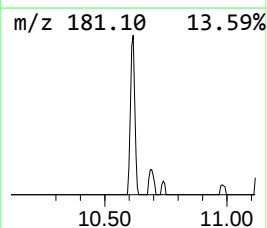
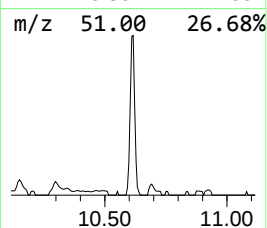
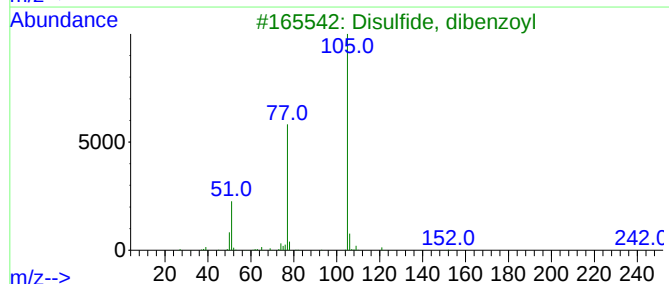
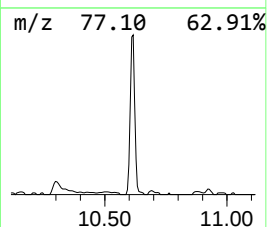
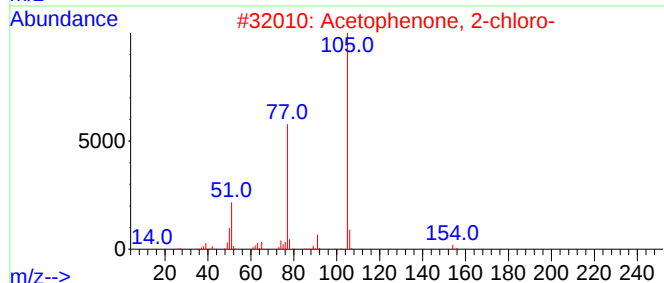
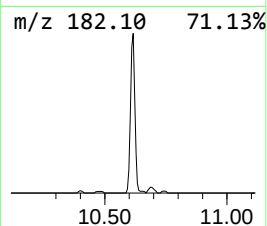
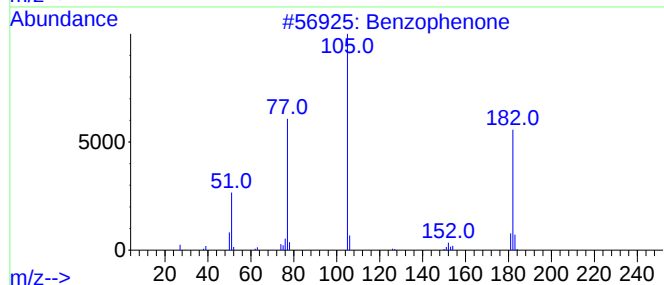
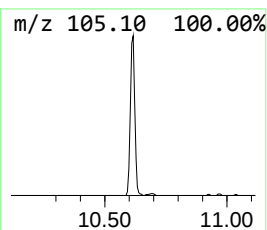
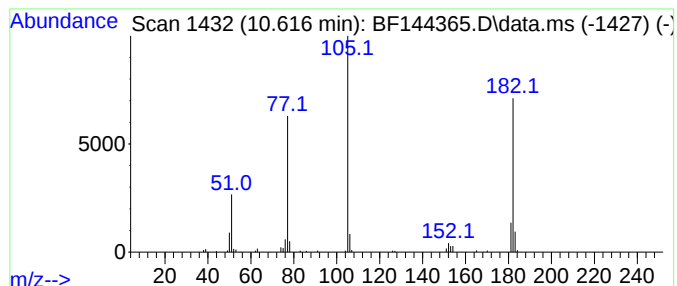
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Benzophenone Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.616	4.83 ng	115307	Acenaphthene-d10	9.898

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	97
2			Acetophenone, 2-chloro-	154	C8H7ClO	000532-27-4	46
3			Disulfide, dibenzoyl	274	C14H10O2S2	000644-32-6	43
4			N-(1-Cyanovinyl)benzamide	172	C10H8N2O	1000186-19-1	43
5			N-Methoxy-N-methylbenzamide	165	C9H11NO2	006919-61-5	43



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112625\
Data File : BF144365.D
Acq On : 26 Nov 2025 17:12
Operator : RC/JU
Sample : Q3719-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

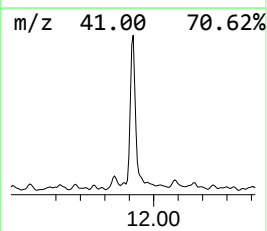
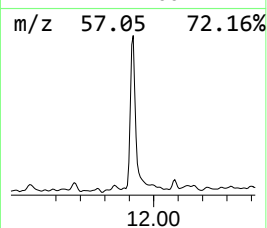
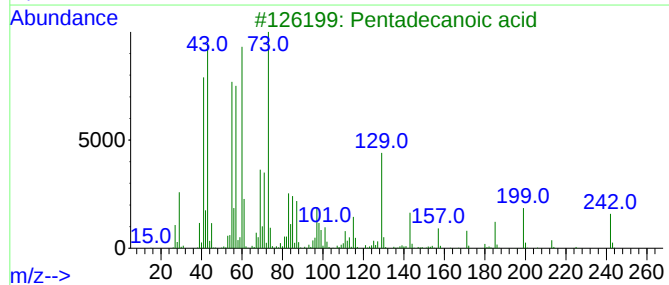
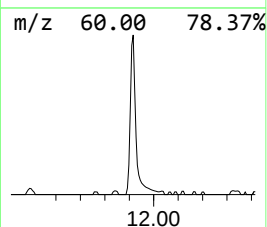
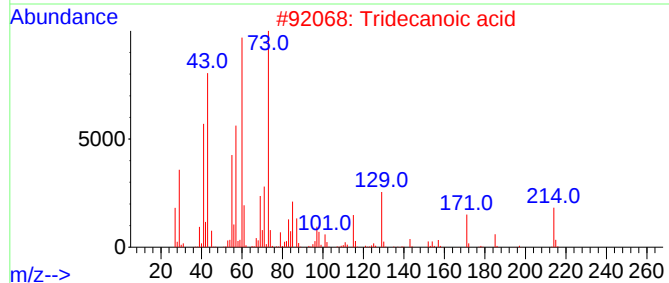
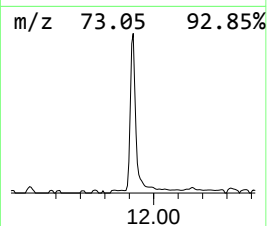
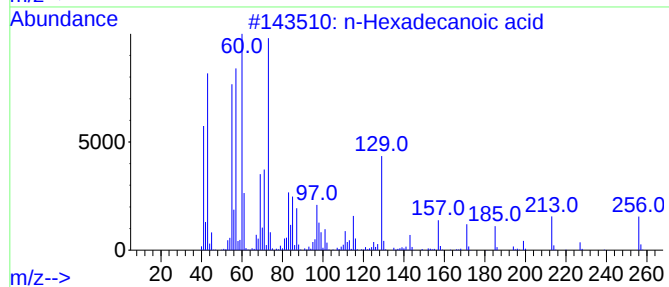
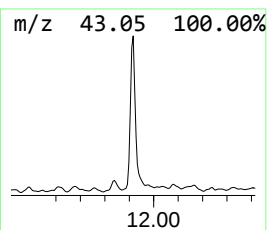
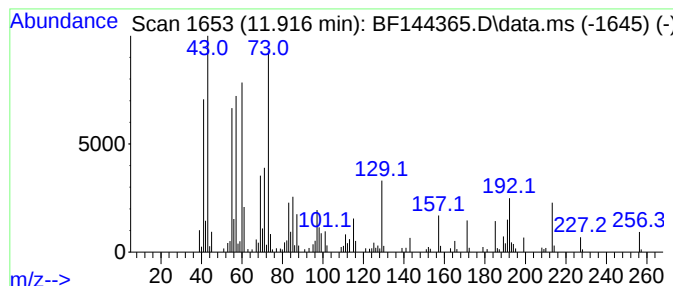
Instrument :
BNA_F
ClientSampleId :
SB-1125-11A

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.916	9.69 ng	220697	Phenanthrene-d10	11.392	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	96
2	Tridecanoic acid	214	C13H26O2	000638-53-9	91
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	81
4	Dodecanoic acid	200	C12H24O2	000143-07-7	52
5	n-Decanoic acid	172	C10H20O2	000334-48-5	46



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112625\
Data File : BF144365.D
Acq On : 26 Nov 2025 17:12
Operator : RC/JU
Sample : Q3719-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-1125-11A

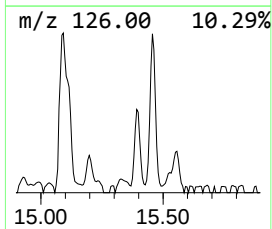
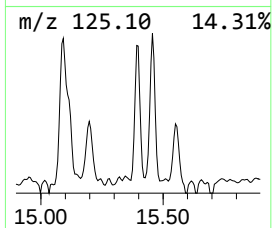
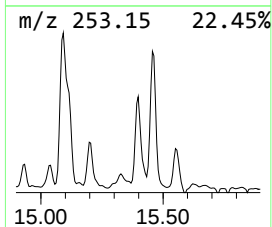
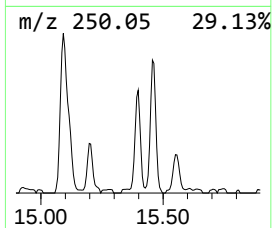
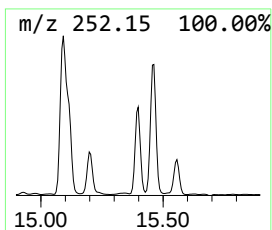
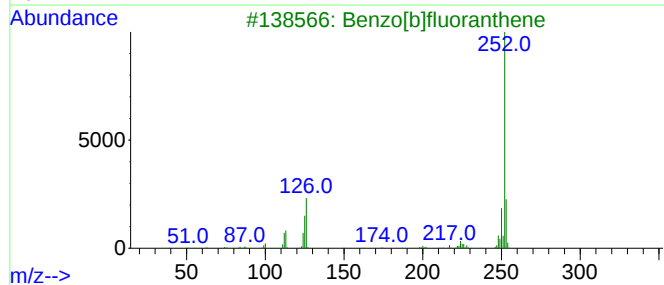
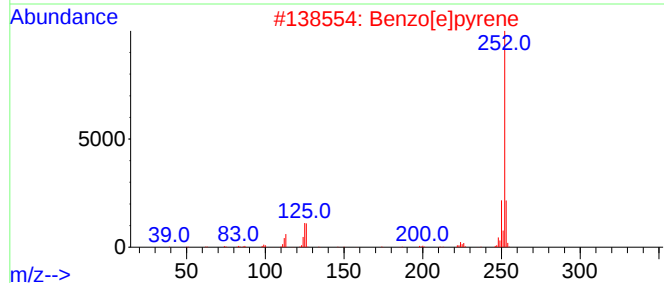
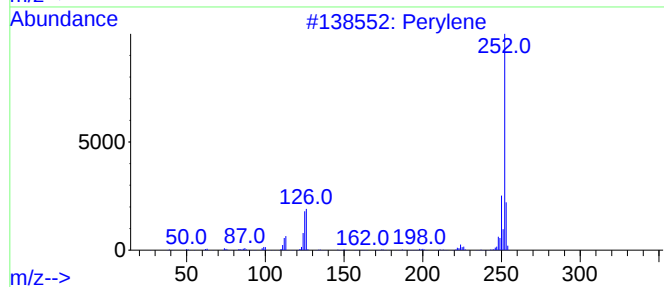
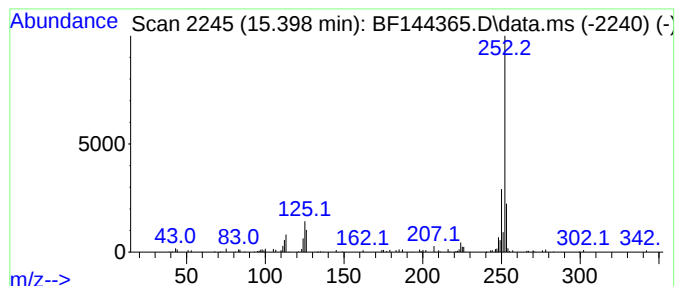
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 Perylene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.398	3.25 ng	81186	Perylene-d12	15.521

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Perylene	252	C20H12	000198-55-0	95
2			Benzo[e]pyrene	252	C20H12	000192-97-2	93
3			Benzo[b]fluoranthene	252	C20H12	000205-99-2	93
4			Benzo[k]fluoranthene	252	C20H12	000207-08-9	91
5			Benzo[a]pyrene	252	C20H12	000050-32-8	90



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112625\
Data File : BF144365.D
Acq On : 26 Nov 2025 17:12
Operator : RC/JU
Sample : Q3719-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-1125-11A

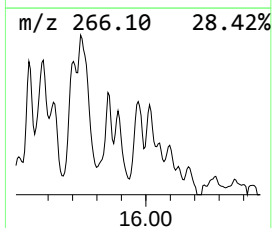
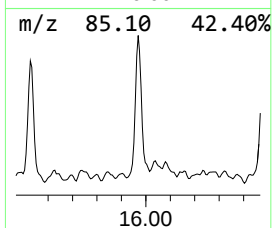
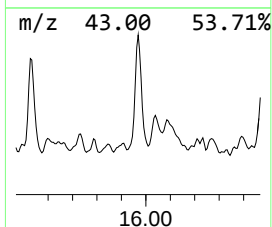
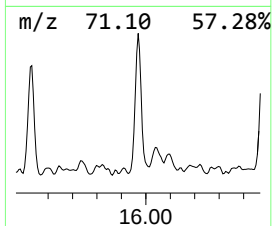
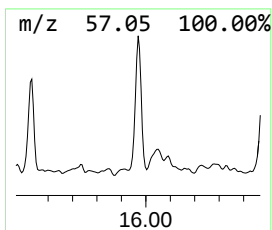
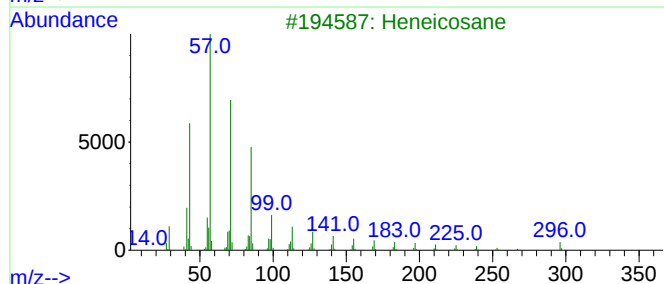
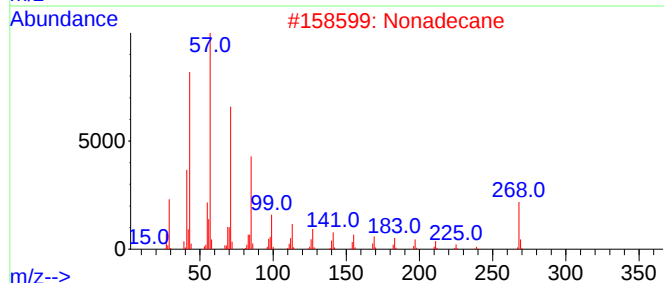
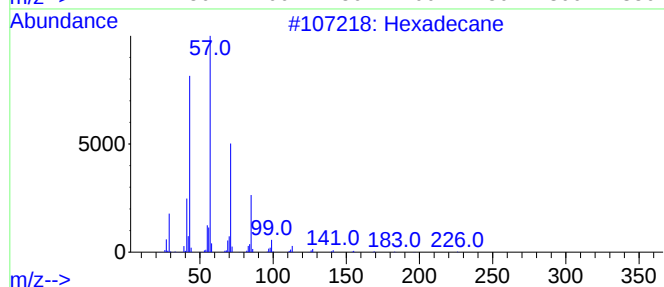
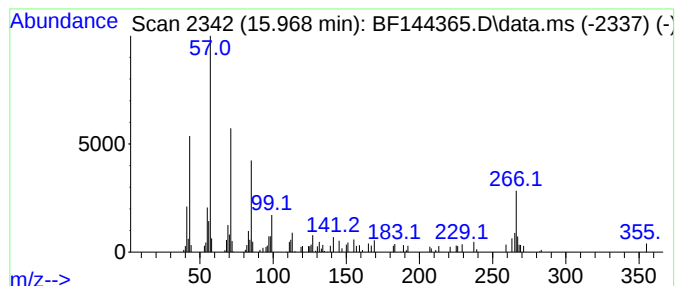
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 Hexadecane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.968	2.12 ng	52937	Perylene-d12	15.521

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexadecane	226	C16H34	000544-76-3	93
2			Nonadecane	268	C19H40	000629-92-5	92
3			Heneicosane	296	C21H44	000629-94-7	70
4			Pentacosane	352	C25H52	000629-99-2	70
5			Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	70



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112625\
Data File : BF144365.D
Acq On : 26 Nov 2025 17:12
Operator : RC/JU
Sample : Q3719-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SB-1125-11A

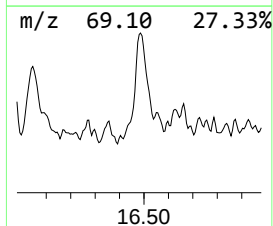
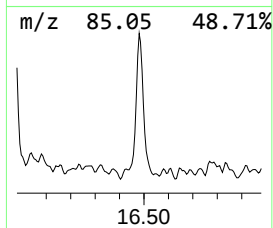
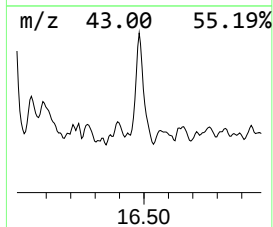
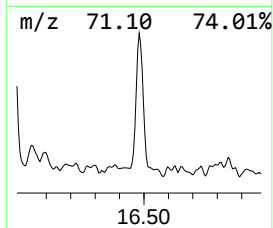
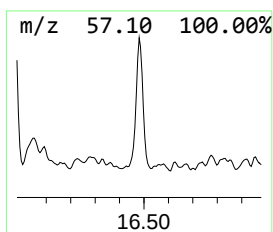
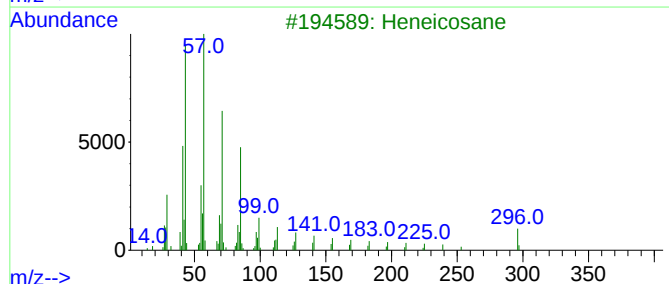
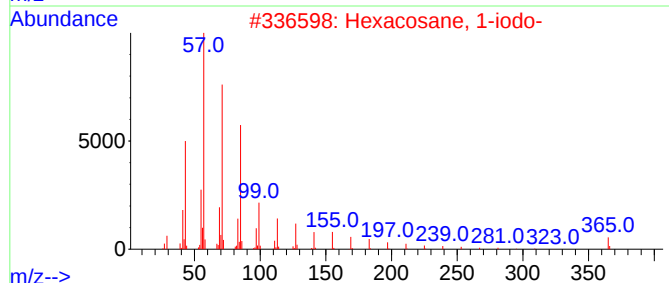
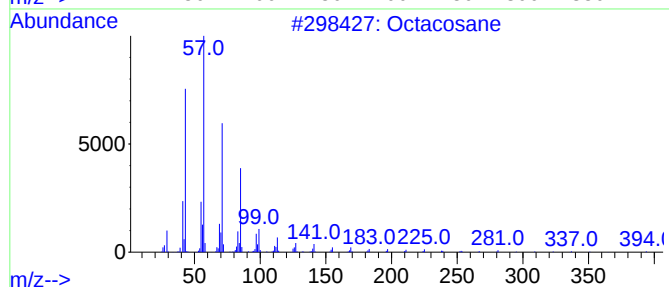
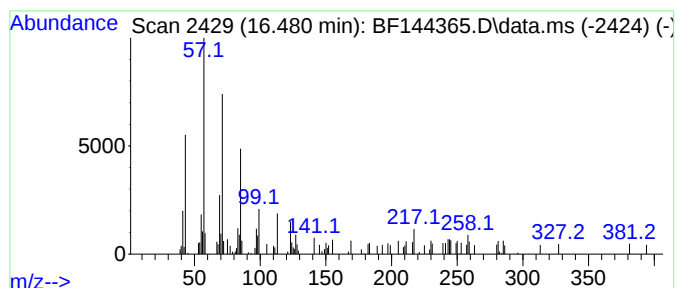
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 Octacosane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.480	2.65 ng	66169	Perylene-d12	15.521

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Octacosane	394	C28H58	000630-02-4	99
2		Hexacosane, 1-iodo-	492	C26H53I	1000406-32-1	81
3		Heneicosane	296	C21H44	000629-94-7	81
4		Pentacosane	352	C25H52	000629-99-2	74
5		Tetracosane, 1-iodo-	464	C24H49I	1000406-32-0	74



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112625\
Data File : BF144365.D
Acq On : 26 Nov 2025 17:12
Operator : RC/JU
Sample : Q3719-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-1125-11A

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Benzophenone	10.616	4.8	ng	115307	3	9.898	477886	20.0
n-Hexadecanoic ...	11.916	9.7	ng	220697	4	11.392	455635	20.0
Perylene	15.398	3.3	ng	81186	6	15.521	499848	20.0
Hexadecane	15.968	2.1	ng	52937	6	15.521	499848	20.0
Octacosane	16.480	2.6	ng	66169	6	15.521	499848	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112625\
 Data File : BF144366.D
 Acq On : 26 Nov 2025 17:42
 Operator : RC/JU
 Sample : Q3719-04
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-1125-11B

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
 Supervised By :mohammad ahmed 12/03/2025

Quant Time: Nov 26 18:01:45 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 05 18:37:33 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	54876	20.000	ng	-0.01
21) Naphthalene-d8	8.145	136	211741	20.000	ng	-0.01
39) Acenaphthene-d10	9.898	164	115910	20.000	ng	-0.02
64) Phenanthrene-d10	11.392	188	179392	20.000	ng	-0.01
76) Chrysene-d12	14.039	240	133511	20.000	ng	-0.01
86) Perylene-d12	15.521	264	179241	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	260303	74.229	ng	0.00
7) Phenol-d6	6.493	99	304899	76.735	ng	0.00
23) Nitrobenzene-d5	7.422	82	181146	49.410	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	90825	62.443	ng	-0.01
45) 2-Fluorobiphenyl	9.216	172	397997	50.713	ng	-0.01
79) Terphenyl-d14	12.980	244	335689	39.938	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.163	128	21422	2.127	ng	98
71) Phenanthrene	11.416	178	44239	4.953	ng	98
75) Fluoranthene	12.610	202	60025	6.506	ng	95
78) Pyrene	12.839	202	51970	4.828	ng	98
81) Benzo(a)anthracene	14.033	228	36316	3.925	ng	93
83) Chrysene	14.069	228	30532	3.574	ng	96
88) Benzo(b)fluoranthene	15.086	252	41033m	4.027	ng	
90) Benzo(a)pyrene	15.457	252	32322	3.438	ng	# 94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

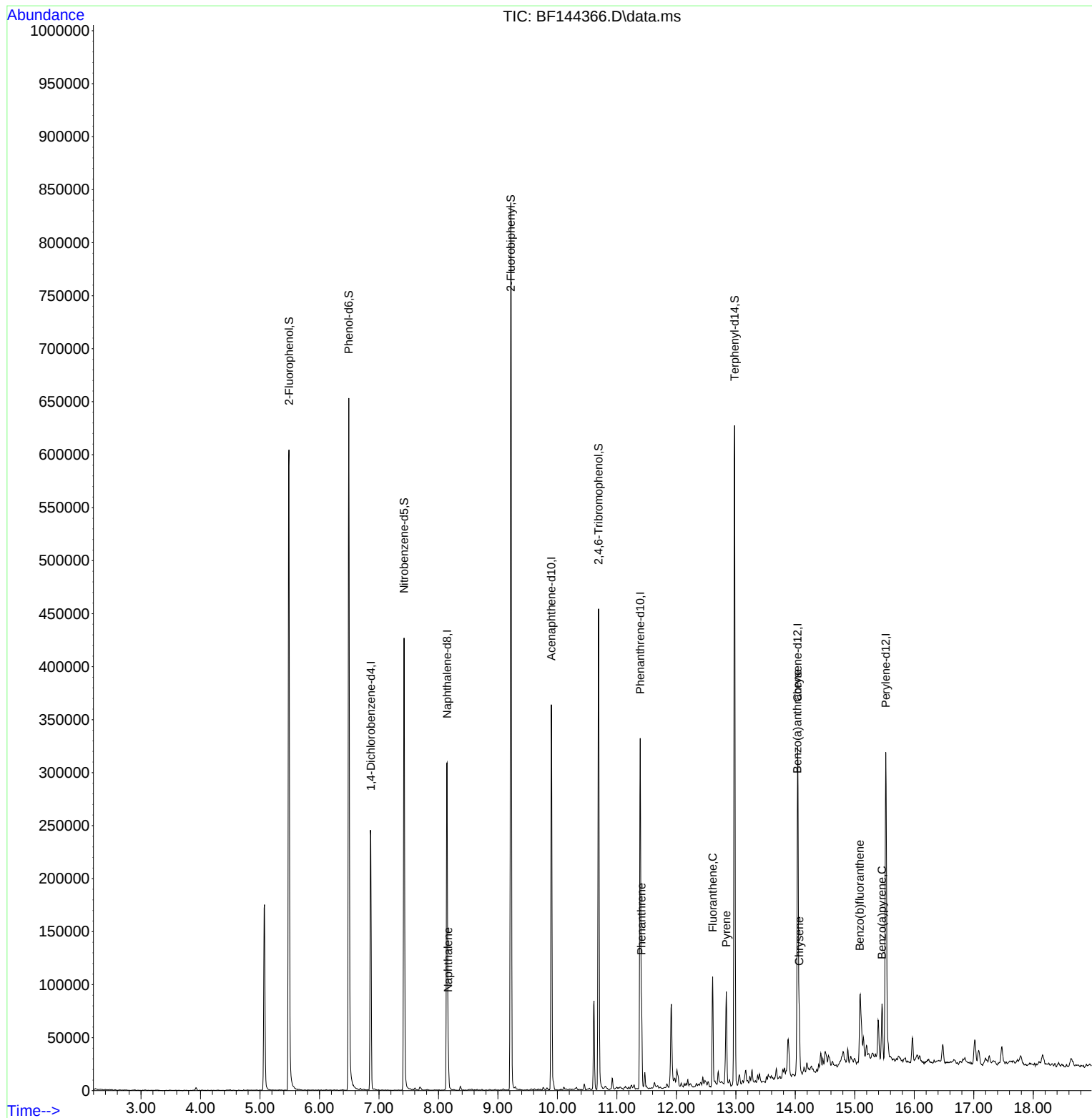
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112625\
Data File : BF144366.D
Acq On : 26 Nov 2025 17:42
Operator : RC/JU
Sample : Q3719-04
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-1125-11B

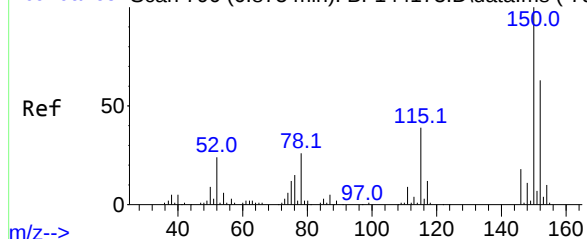
Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025

Quant Time: Nov 26 18:01:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 18:37:33 2025
Response via : Initial Calibration



Abundance Scan 796 (6.875 min): BF144173.D\data.ms (-79



#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.863 min Scan# 796

Delta R.T. -0.012 min

Lab File: BF144366.D

Acq: 26 Nov 2025 17:42

Instrument :

BNA_F

ClientSampleId :

SB-1125-11B

Tgt Ion:152 Resp: 54870

Ion Ratio Lower Upper

152 100

150 162.0 127.4 191.0

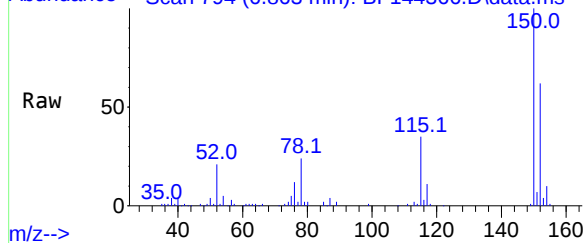
115 57.1 49.5 74.3

Manual Integrations

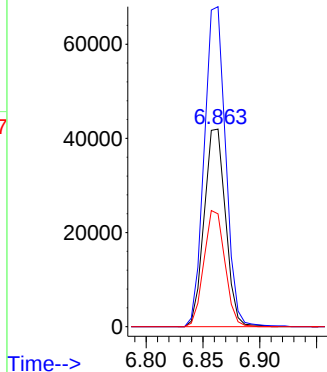
APPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025

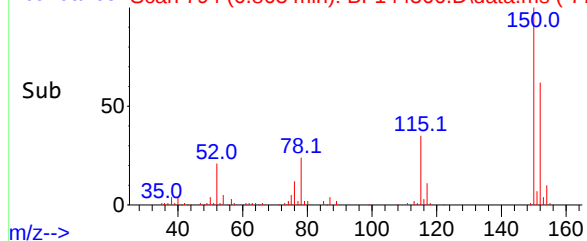
Abundance Scan 794 (6.863 min): BF144366.D\data.ms



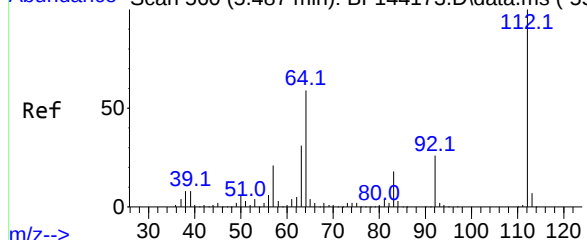
Abundance



Abundance Scan 794 (6.863 min): BF144366.D\data.ms (-77



Abundance Scan 560 (5.487 min): BF144173.D\data.ms (-55



#5

2-Fluorophenol

Concen: 74.229 ng

RT: 5.487 min Scan# 560

Delta R.T. -0.006 min

Lab File: BF144366.D

Acq: 26 Nov 2025 17:42

Tgt Ion:112 Resp: 260303

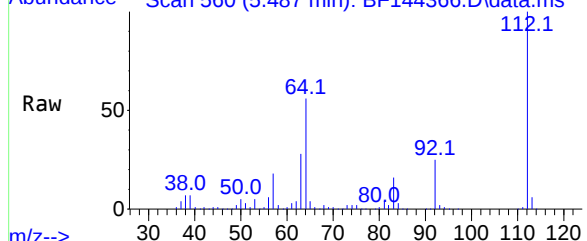
Ion Ratio Lower Upper

112 100

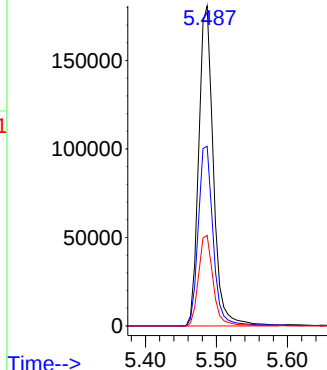
64 56.2 47.2 70.8

63 28.3 24.4 36.6

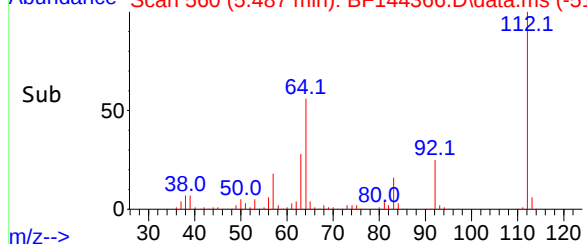
Abundance Scan 560 (5.487 min): BF144366.D\data.ms



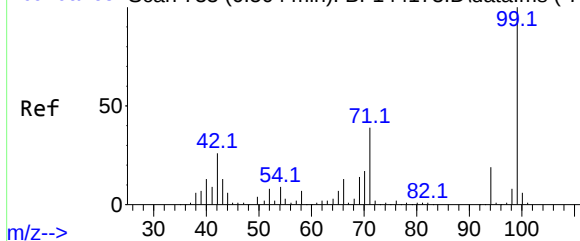
Abundance



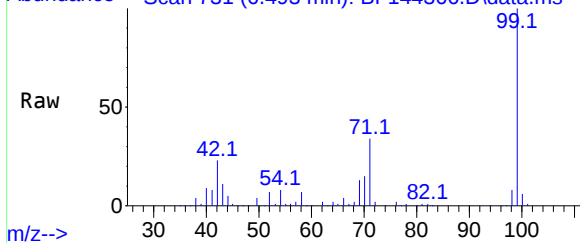
Abundance Scan 560 (5.487 min): BF144366.D\data.ms (-51



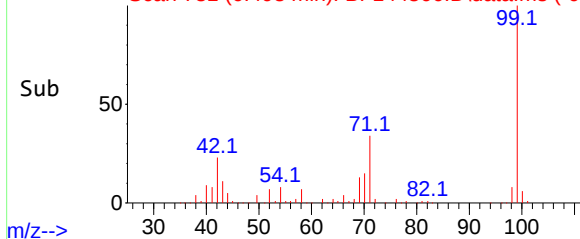
Abundance Scan 733 (6.504 min): BF144173.D\data.ms (-72



m/z--> Abundance Scan 731 (6.493 min): BF144366.D\data.ms



m/z--> Abundance Scan 731 (6.493 min): BF144366.D\data.ms (-68



m/z-->

#7

Phenol-d6

Concen: 76.735 ng

RT: 6.493 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF144366.D

Acq: 26 Nov 2025 17:42

Instrument :

BNA_F

ClientSampleId :

SB-1125-11B

Tgt Ion: 99 Resp: 30489

Ion Ratio Lower Upper

99 100

42 23.0 20.9 31.3

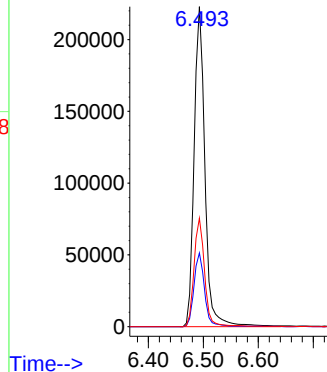
71 33.9 31.4 47.2

Manual Integrations

APPROVED

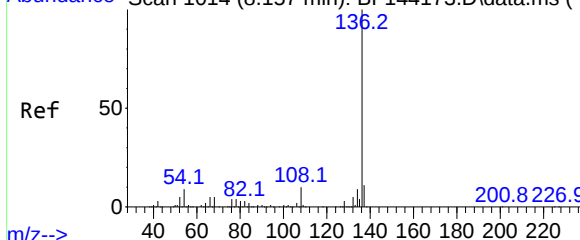
Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025

Abundance

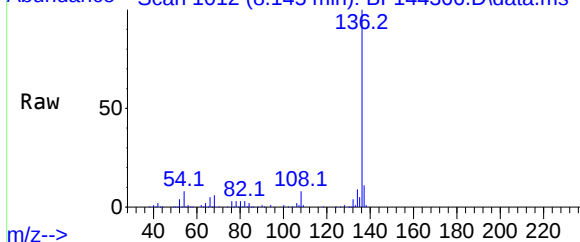


Time-->

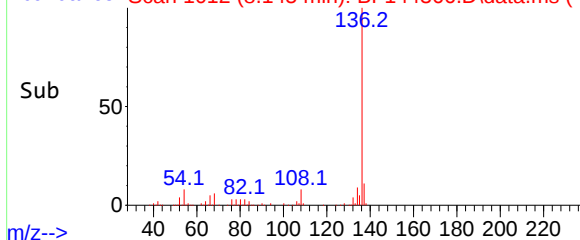
Abundance Scan 1014 (8.157 min): BF144173.D\data.ms (-1



m/z--> Abundance Scan 1012 (8.145 min): BF144366.D\data.ms



m/z--> Abundance Scan 1012 (8.145 min): BF144366.D\data.ms (-9



m/z-->

#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.145 min Scan# 1012

Delta R.T. -0.012 min

Lab File: BF144366.D

Acq: 26 Nov 2025 17:42

Tgt Ion:136 Resp: 211741

Ion Ratio Lower Upper

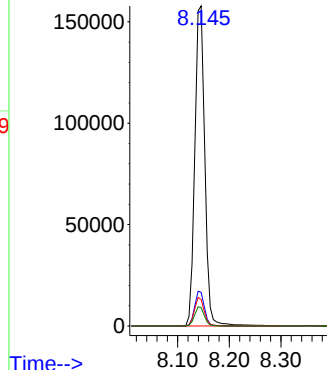
136 100

137 10.5 8.6 13.0

54 8.3 7.0 10.6

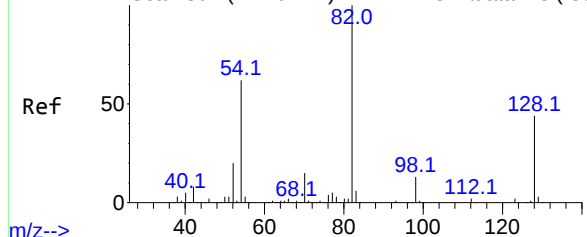
68 5.8 4.3 6.5

Abundance



Time-->

Abundance Scan 892 (7.440 min): BF144173.D\data.ms (-88



#23

Nitrobenzene-d5

Concen: 49.410 ng

RT: 7.422 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF144366.D

Acq: 26 Nov 2025 17:42

Instrument :

BNA_F

ClientSampleId :

SB-1125-11B

Tgt Ion: 82 Resp: 181140

Ion Ratio Lower Upper

82 100

128 44.8 34.7 52.1

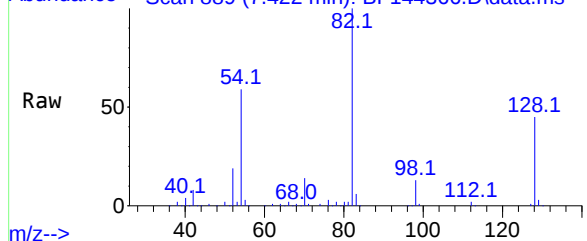
54 59.5 49.5 74.3

Manual Integrations

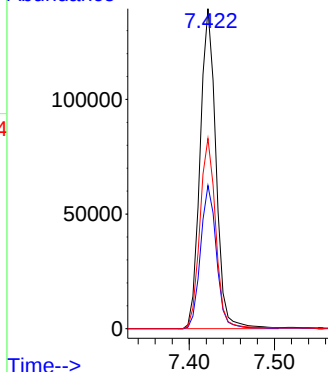
APPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025

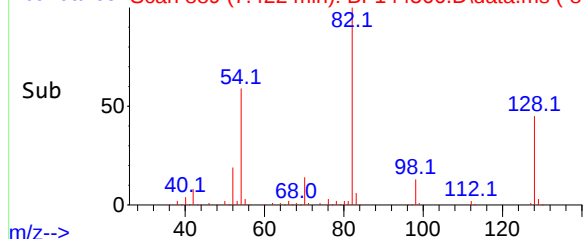
Abundance Scan 889 (7.422 min): BF144366.D\data.ms



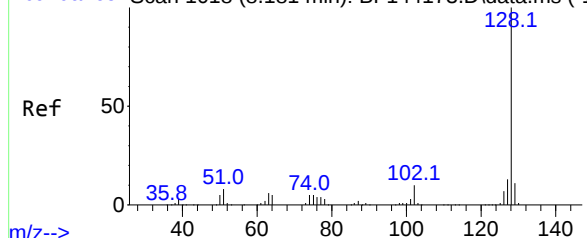
Abundance



Abundance Scan 889 (7.422 min): BF144366.D\data.ms (-84



Abundance Scan 1018 (8.181 min): BF144173.D\data.ms (-1



#31

Naphthalene

Concen: 2.127 ng

RT: 8.163 min Scan# 1015

Delta R.T. -0.012 min

Lab File: BF144366.D

Acq: 26 Nov 2025 17:42

Tgt Ion:128 Resp: 21422

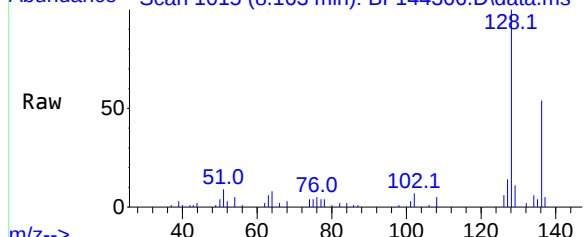
Ion Ratio Lower Upper

128 100

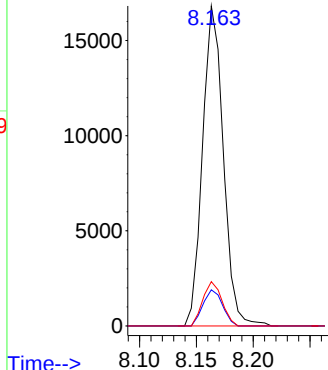
129 11.3 8.9 13.3

127 13.9 10.3 15.5

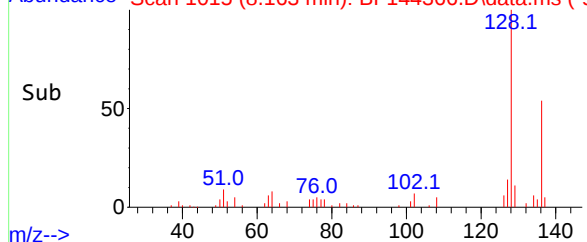
Abundance Scan 1015 (8.163 min): BF144366.D\data.ms

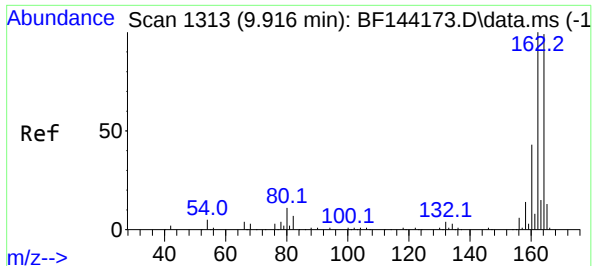


Abundance



Abundance Scan 1015 (8.163 min): BF144366.D\data.ms (-9





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.898 min Scan# 11

Delta R.T. -0.018 min

Lab File: BF144366.D

Acq: 26 Nov 2025 17:42

Instrument :

BNA_F

ClientSampleId :

SB-1125-11B

Tgt Ion:164 Resp: 115910

Ion Ratio Lower Upper

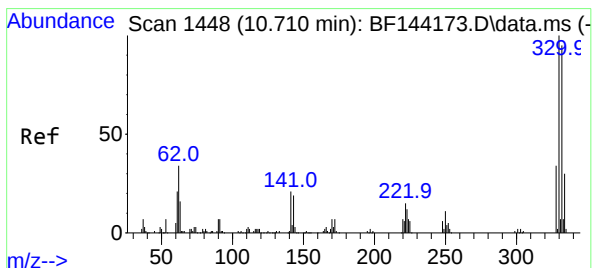
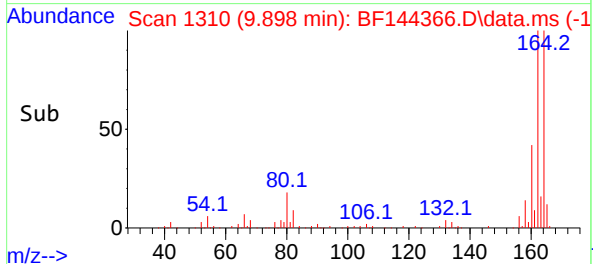
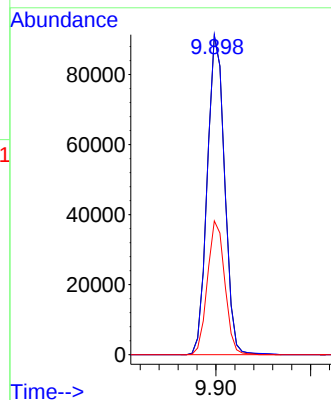
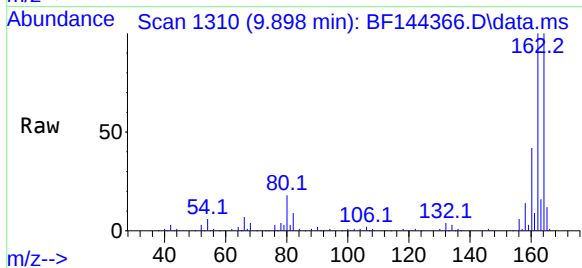
164 100

162 100.3 81.1 121.7

160 42.0 34.5 51.7

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025

#42

2,4,6-Tribromophenol

Concen: 62.443 ng

RT: 10.692 min Scan# 1445

Delta R.T. -0.012 min

Lab File: BF144366.D

Acq: 26 Nov 2025 17:42

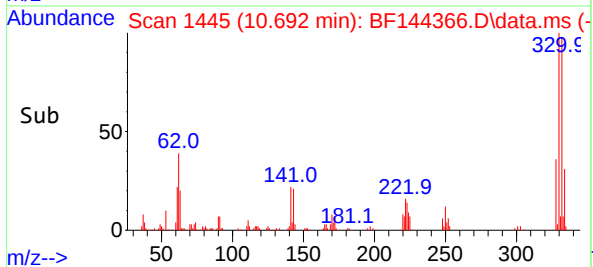
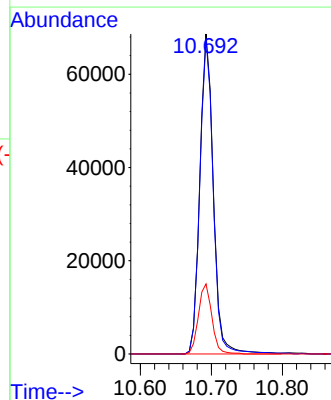
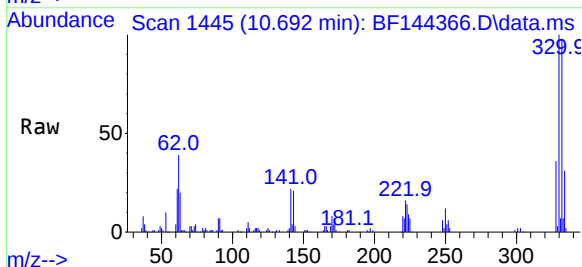
Tgt Ion:330 Resp: 90825

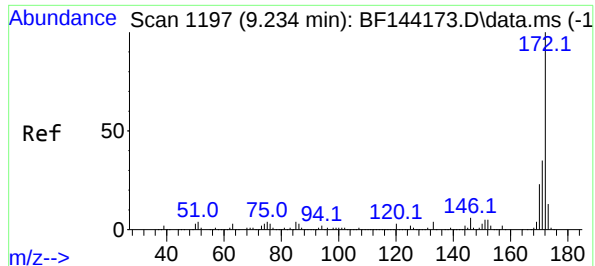
Ion Ratio Lower Upper

330 100

332 97.6 76.7 115.1

141 21.8 17.8 26.8





#45

2-Fluorobiphenyl

Concen: 50.713 ng

RT: 9.216 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF144366.D

Acq: 26 Nov 2025 17:42

Instrument :

BNA_F

ClientSampleId :

SB-1125-11B

Tgt Ion:172 Resp: 39799

Ion Ratio Lower Upper

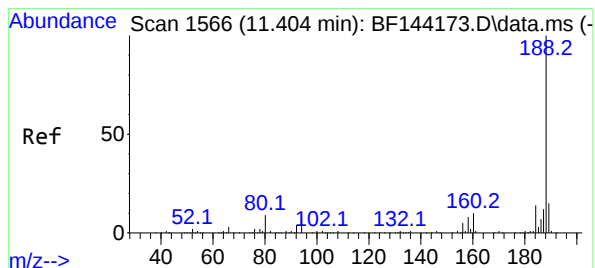
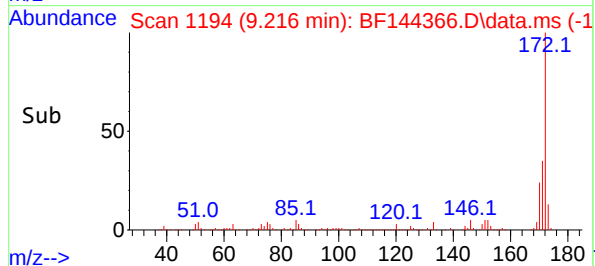
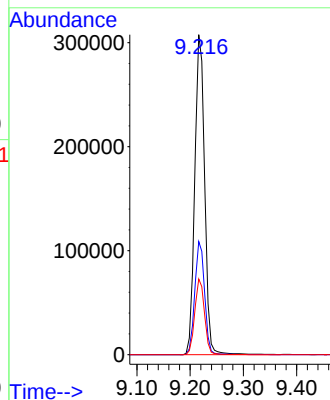
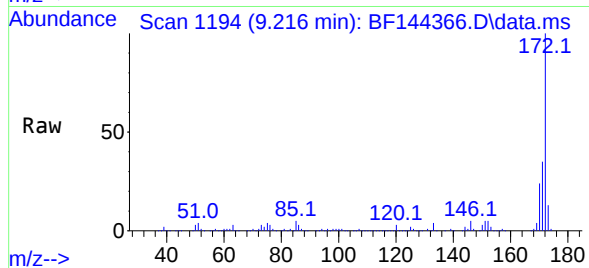
172 100

171 35.4 28.1 42.1

170 23.6 18.6 28.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025

#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.392 min Scan# 1564

Delta R.T. -0.012 min

Lab File: BF144366.D

Acq: 26 Nov 2025 17:42

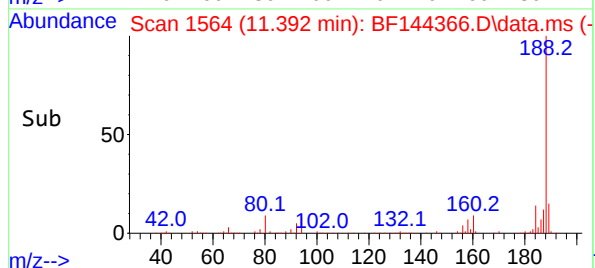
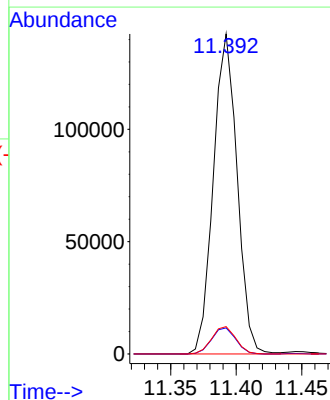
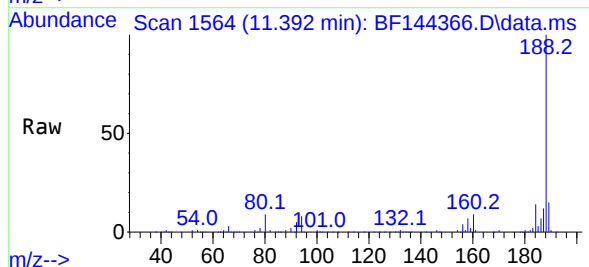
Tgt Ion:188 Resp: 179392

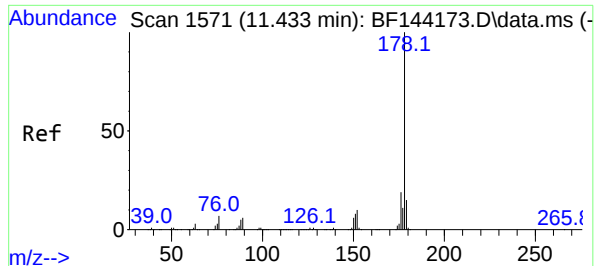
Ion Ratio Lower Upper

188 100

94 8.2 6.2 9.2

80 8.5 6.9 10.3





#71

Phenanthrene

Concen: 4.953 ng

RT: 11.416 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF144366.D

Acq: 26 Nov 2025 17:42

Instrument :

BNA_F

ClientSampleId :

SB-1125-11B

Tgt Ion:178 Resp: 44239

Ion Ratio Lower Upper

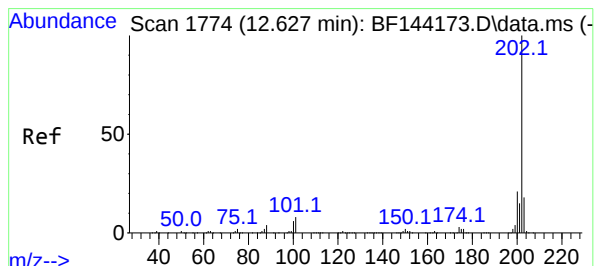
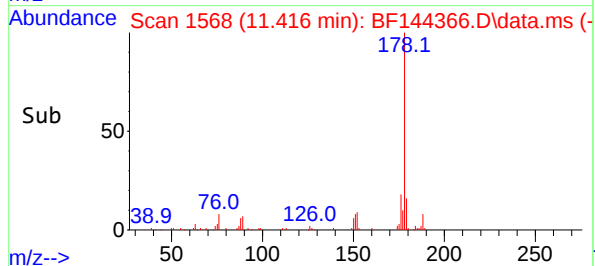
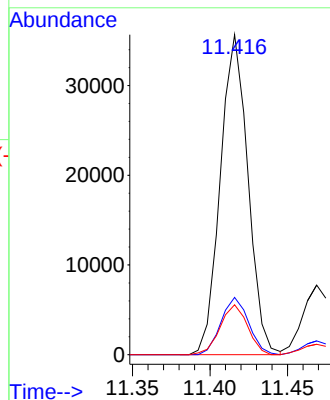
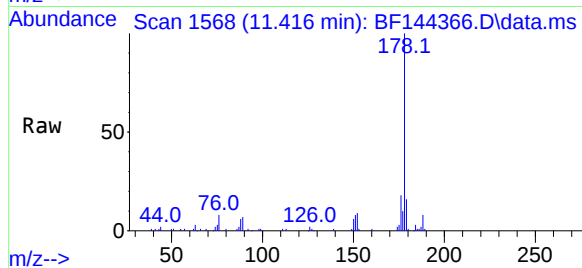
178 100

176 17.9 15.5 23.3

179 15.6 12.2 18.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025

#75

Fluoranthene

Concen: 6.506 ng

RT: 12.610 min Scan# 1771

Delta R.T. -0.012 min

Lab File: BF144366.D

Acq: 26 Nov 2025 17:42

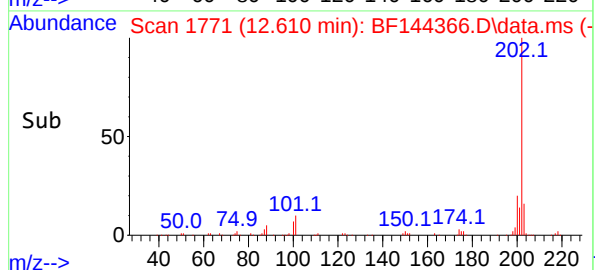
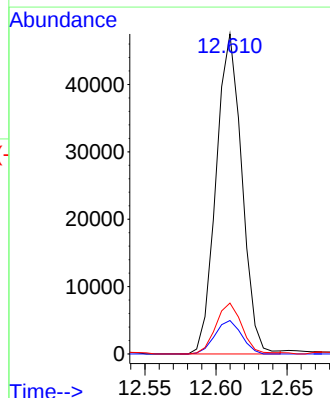
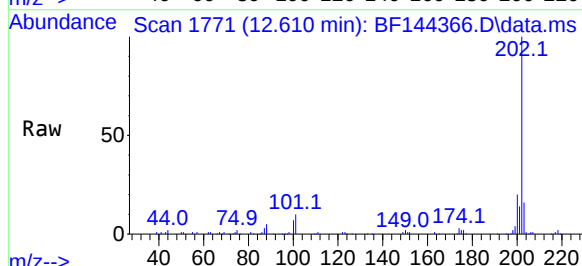
Tgt Ion:202 Resp: 60025

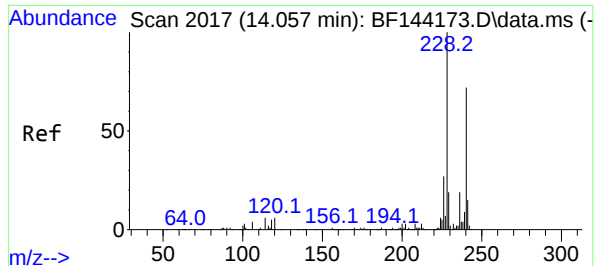
Ion Ratio Lower Upper

202 100

101 10.4 0.0 27.9

203 15.9 0.0 37.5





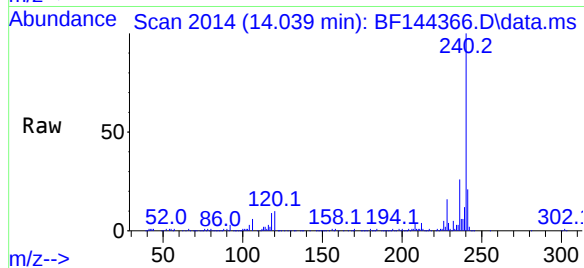
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2014
Delta R.T. -0.012 min
Lab File: BF144366.D
Acq: 26 Nov 2025 17:42

Instrument :

BNA_F

ClientSampleId :

SB-1125-11B

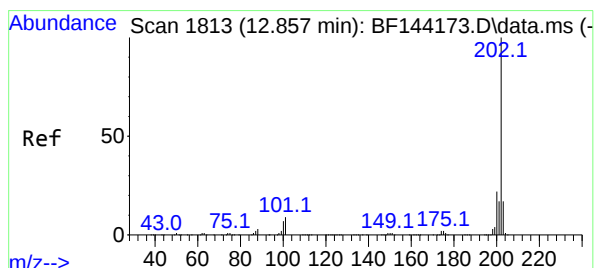
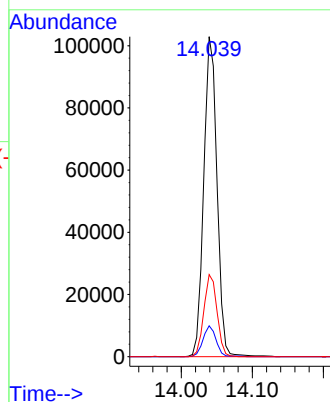
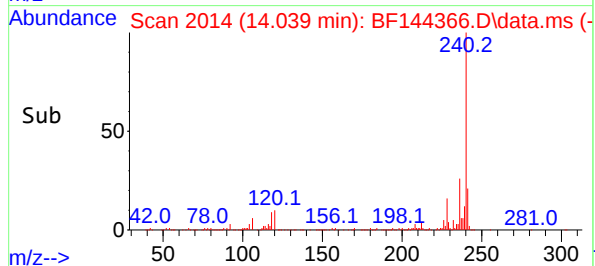


Tgt Ion:240 Resp: 13351
Ion Ratio Lower Upper
240 100
120 9.7 6.6 10.0
236 25.6 21.4 32.2

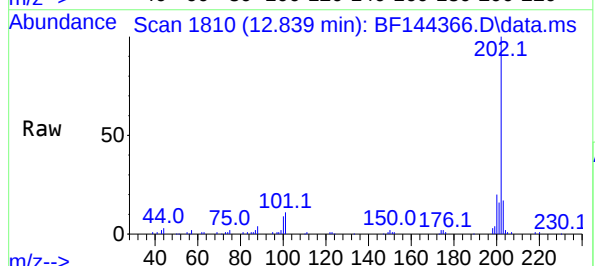
Manual Integrations

APPROVED

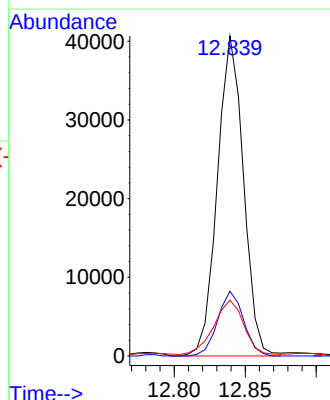
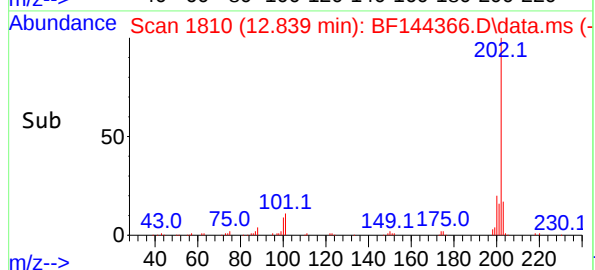
Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025

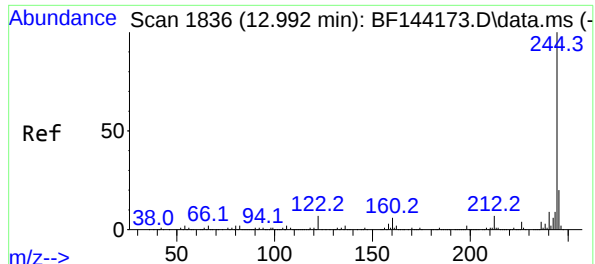


#78
Pyrene
Concen: 4.828 ng
RT: 12.839 min Scan# 1810
Delta R.T. -0.012 min
Lab File: BF144366.D
Acq: 26 Nov 2025 17:42



Tgt Ion:202 Resp: 51970
Ion Ratio Lower Upper
202 100
200 20.2 17.2 25.8
203 17.4 13.7 20.5





#79

Terphenyl-d14

Concen: 39.938 ng

RT: 12.980 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF144366.D

Acq: 26 Nov 2025 17:42

Instrument :

BNA_F

ClientSampleId :

SB-1125-11B

Tgt Ion:244 Resp: 335689

Ion Ratio Lower Upper

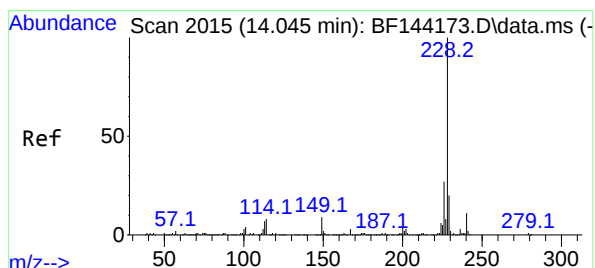
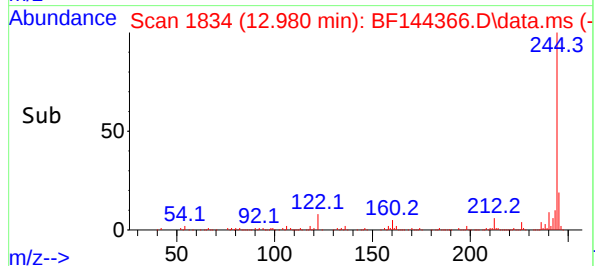
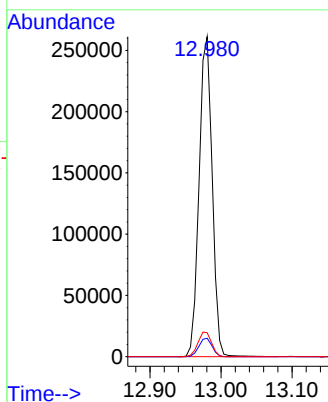
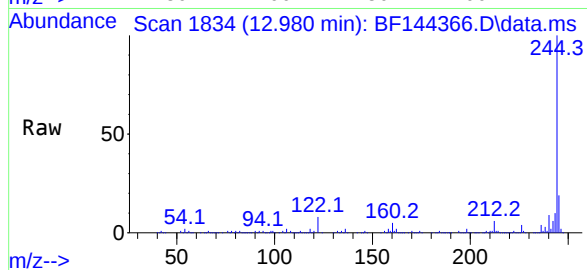
244 100

212 5.8 5.3 7.9

122 7.5 5.6 8.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025

#81

Benzo(a)anthracene

Concen: 3.925 ng

RT: 14.033 min Scan# 2013

Delta R.T. -0.012 min

Lab File: BF144366.D

Acq: 26 Nov 2025 17:42

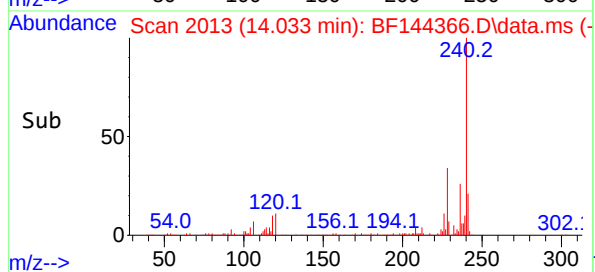
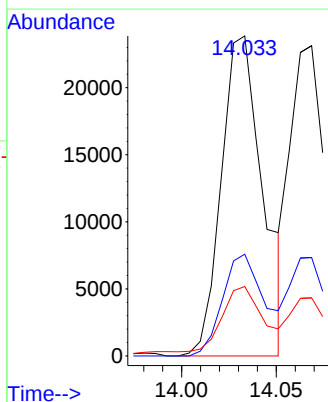
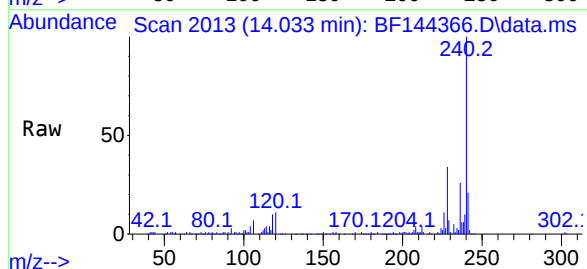
Tgt Ion:228 Resp: 36316

Ion Ratio Lower Upper

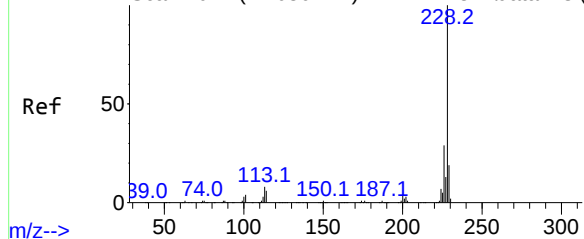
228 100

226 31.8 21.8 32.8

229 21.7 15.8 23.6



Abundance Scan 2022 (14.086 min): BF144173.D\data.ms (-



#83

Chrysene

Concen: 3.574 ng

RT: 14.069 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF144366.D

Acq: 26 Nov 2025 17:42

Instrument :

BNA_F

ClientSampleId :

SB-1125-11B

Tgt Ion:228 Resp: 3053

Ion Ratio Lower Upper

228 100

226 31.7 22.9 34.3

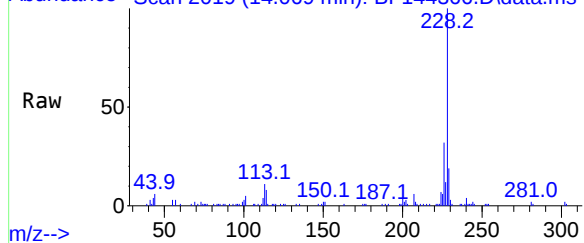
229 18.7 15.0 22.6

Manual Integrations

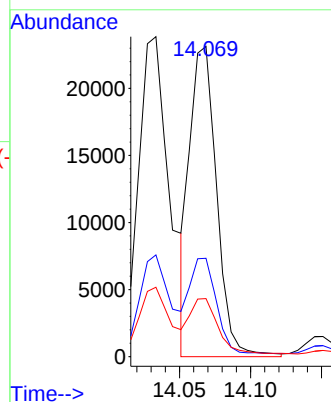
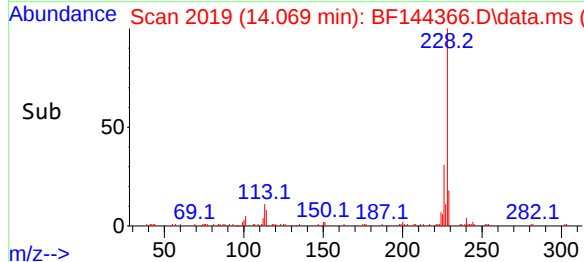
APPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025

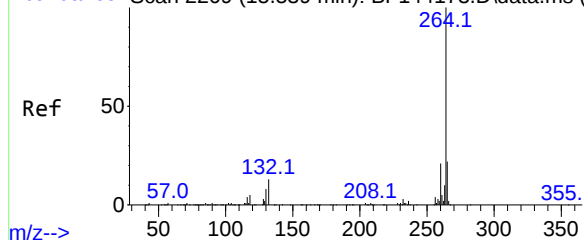
Abundance Scan 2019 (14.069 min): BF144366.D\data.ms



Abundance Scan 2019 (14.069 min): BF144366.D\data.ms (-



Abundance Scan 2269 (15.539 min): BF144173.D\data.ms (-



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.521 min Scan# 2266

Delta R.T. -0.018 min

Lab File: BF144366.D

Acq: 26 Nov 2025 17:42

Tgt Ion:264 Resp: 179241

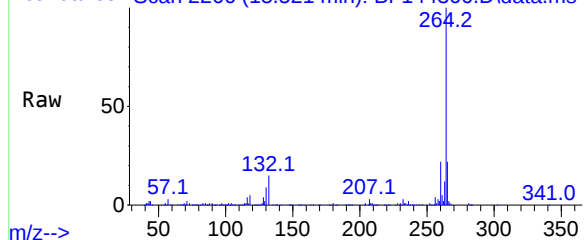
Ion Ratio Lower Upper

264 100

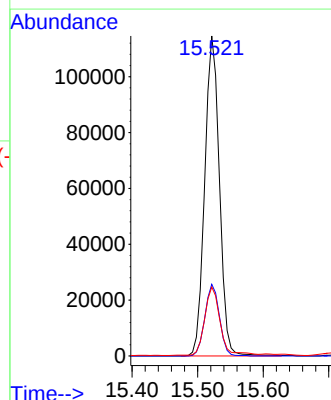
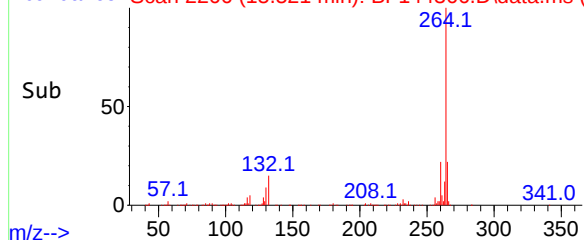
260 22.4 17.1 25.7

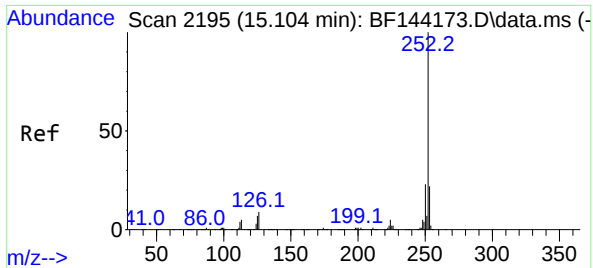
265 21.6 17.4 26.0

Abundance Scan 2266 (15.521 min): BF144366.D\data.ms



Abundance Scan 2266 (15.521 min): BF144366.D\data.ms (-





#88

Benzo(b)fluoranthene

Concen: 4.027 ng m

RT: 15.086 min Scan# 2195

Delta R.T. -0.012 min

Lab File: BF144366.D

Acq: 26 Nov 2025 17:42

Instrument :

BNA_F

ClientSampleId :

SB-1125-11B

Tgt Ion:252 Resp: 4103

Ion Ratio Lower Upper

252 100

253 21.2 17.4 26.2

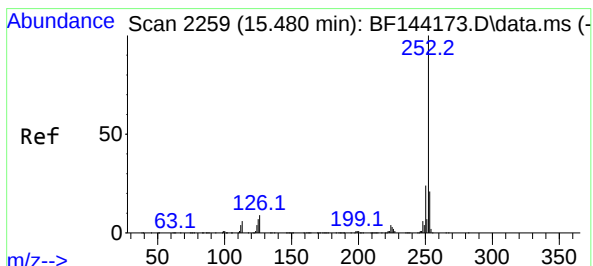
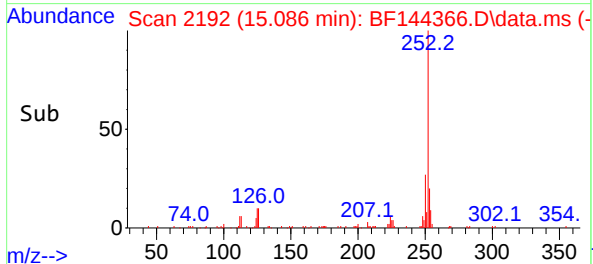
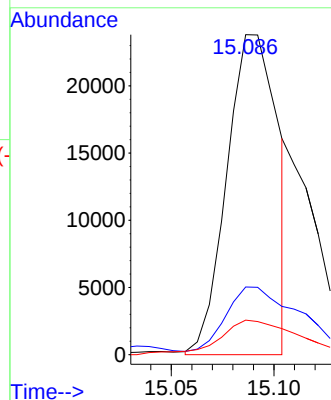
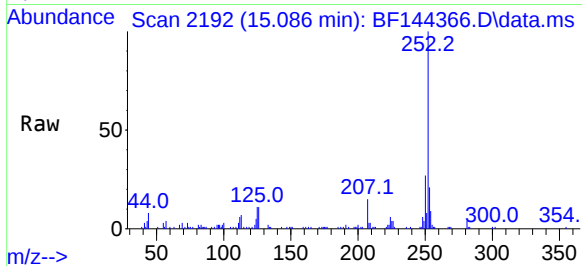
125 10.8 5.3 7.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025

Supervised By :mohammad ahmed 12/03/2025



#90

Benzo(a)pyrene

Concen: 3.438 ng

RT: 15.457 min Scan# 2255

Delta R.T. -0.018 min

Lab File: BF144366.D

Acq: 26 Nov 2025 17:42

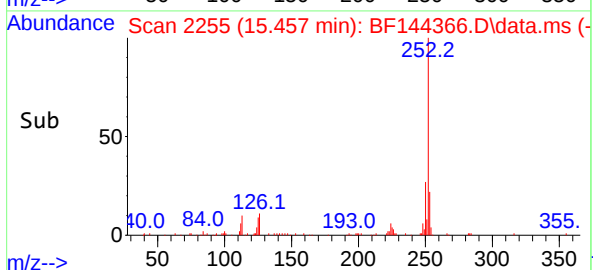
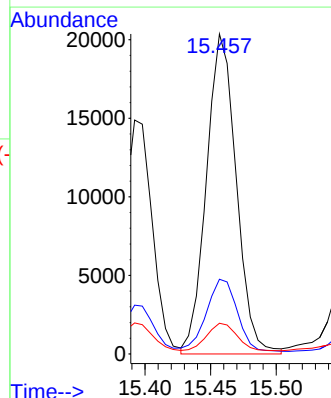
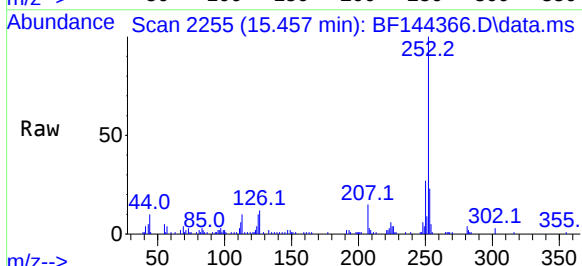
Tgt Ion:252 Resp: 32322

Ion Ratio Lower Upper

252 100

253 23.4 16.7 25.1

125 9.6 5.7 8.5



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112625\
 Data File : BF144366.D
 Acq On : 26 Nov 2025 17:42
 Operator : RC/JU
 Sample : Q3719-04
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-1125-11B

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF144366.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.075	484	490	502	rBV	174699	267999	25.32%	2.932%
2	5.487	554	560	581	rBV	604174	872680	82.44%	9.549%
3	6.493	726	731	751	rBV	652860	885839	83.69%	9.693%
4	6.857	789	793	801	rBV	245085	315956	29.85%	3.457%
5	7.422	884	889	905	rBV	426431	553450	52.28%	6.056%
6	8.145	1006	1012	1026	rVB	308742	450549	42.56%	4.930%
7	9.216	1189	1194	1203	rBV	837236	1058535	100.00%	11.583%
8	9.898	1305	1310	1315	rBV	363191	459079	43.37%	5.023%
9	10.616	1424	1432	1440	rBV	83733	109225	10.32%	1.195%
10	10.692	1440	1445	1458	rVV	453507	595451	56.25%	6.515%
11	10.922	1475	1484	1491	rBV	10677	15921	1.50%	0.174%
12	11.392	1559	1564	1573	rBV2	330712	512746	48.44%	5.610%
13	11.469	1573	1577	1580	rVV	13509	15733	1.49%	0.172%
14	11.916	1646	1653	1660	rBV2	78416	140157	13.24%	1.534%
15	12.010	1665	1669	1678	rVB2	15631	33491	3.16%	0.366%
16	12.610	1766	1771	1776	rBV	103839	136474	12.89%	1.493%
17	12.704	1783	1787	1794	rBV4	12124	19153	1.81%	0.210%
18	12.839	1803	1810	1815	rBV	86941	127409	12.04%	1.394%
19	12.980	1824	1834	1839	rBV	623157	817624	77.24%	8.946%
20	13.057	1842	1847	1853	rBV4	9993	19443	1.84%	0.213%
21	13.169	1859	1866	1869	rBV3	11546	21231	2.01%	0.232%
22	13.275	1880	1884	1890	rVB3	11654	16210	1.53%	0.177%
23	13.398	1902	1905	1911	rVB3	8046	11537	1.09%	0.126%
24	13.680	1946	1953	1957	rBV	10451	16609	1.57%	0.182%
25	13.792	1968	1972	1974	rBV	8223	12209	1.15%	0.134%
26	13.880	1979	1987	1996	rVB5	35515	82736	7.82%	0.905%
27	14.039	2007	2014	2027	rBV2	310358	530164	50.08%	5.801%
28	14.198	2037	2041	2049	rBV9	8459	18343	1.73%	0.201%
29	14.427	2076	2080	2084	rBV	13349	18845	1.78%	0.206%
30	14.504	2089	2093	2099	rVV6	13651	32247	3.05%	0.353%
31	14.557	2100	2102	2109	rVB6	9493	18810	1.78%	0.206%
32	14.880	2154	2157	2161	rVB	13110	16199	1.53%	0.177%
33	15.092	2187	2193	2200	rBV	64208	156442	14.78%	1.712%
34	15.198	2208	2211	2214	rBV	8872	11706	1.11%	0.128%
35	15.392	2240	2244	2250	rVB	36391	58403	5.52%	0.639%
36	15.457	2250	2255	2260	rBV	51692	78000	7.37%	0.853%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112625\
Data File : BF144366.D
Acq On : 26 Nov 2025 17:42
Operator : RC/JU
Sample : Q3719-04
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-1125-11B

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	15.521	2260	2266	2277	rBV	288920	478940	45.25%	5.241%
38	15.969	2337	2342	2347	rBV2	23163	39392	3.72%	0.431%
39	16.480	2424	2429	2435	rVB2	17555	33957	3.21%	0.372%
40	17.015	2515	2520	2527	rBV	21091	46129	4.36%	0.505%
41	17.474	2593	2598	2607	rVB	15942	34061	3.22%	0.373%

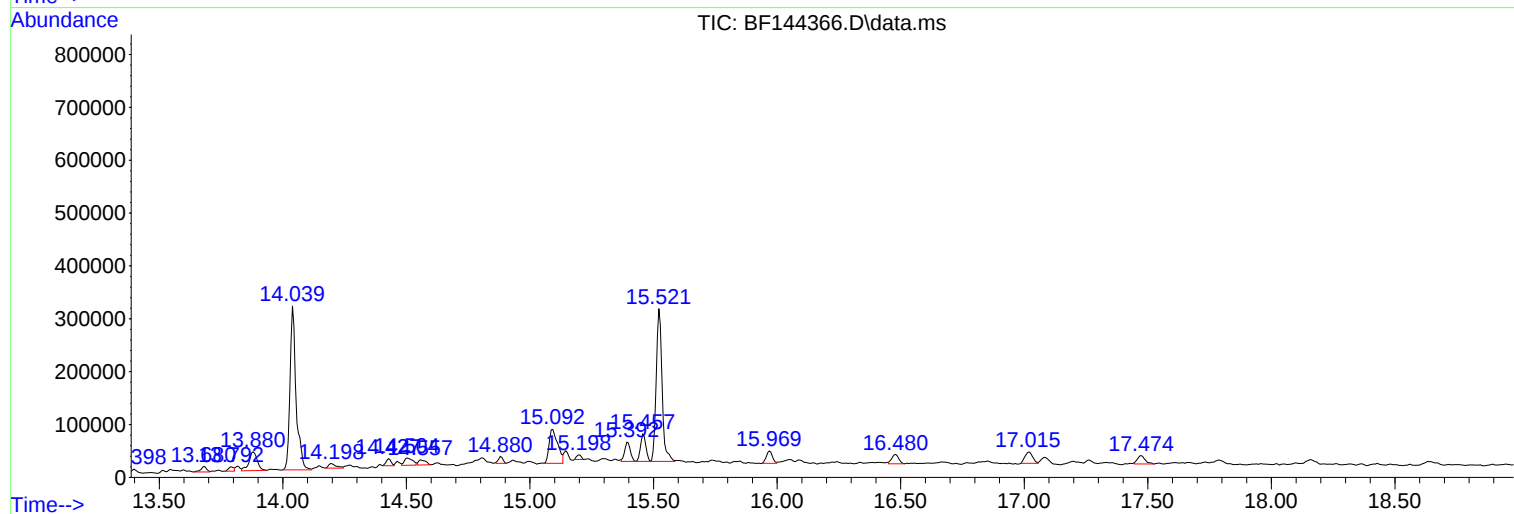
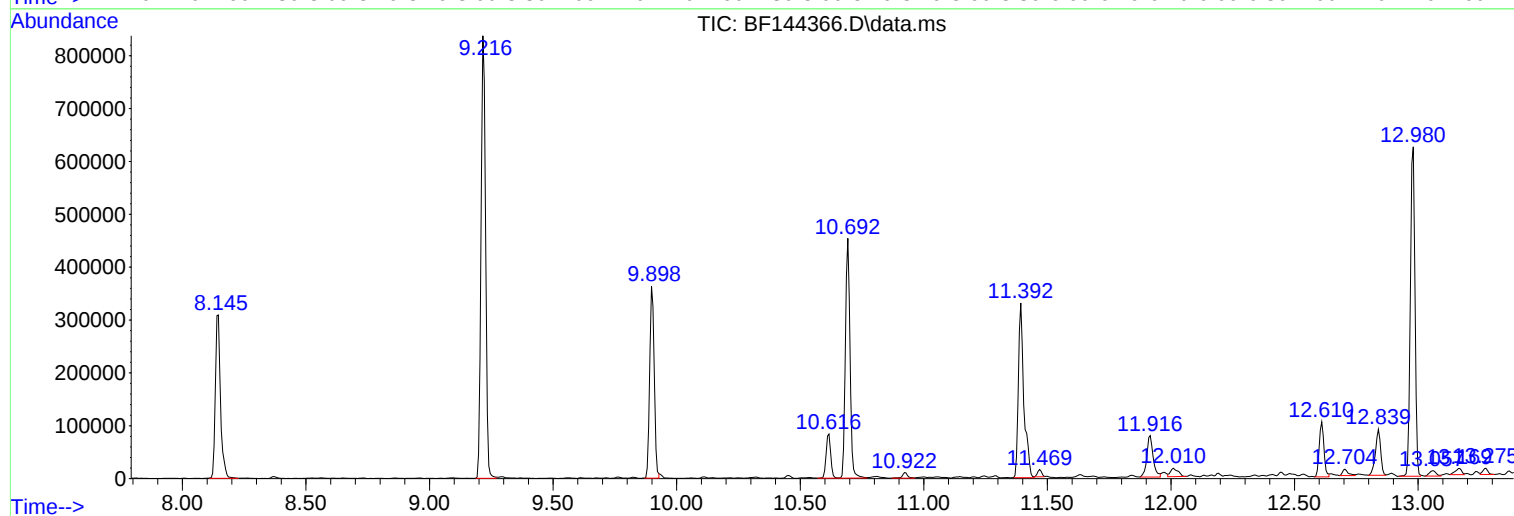
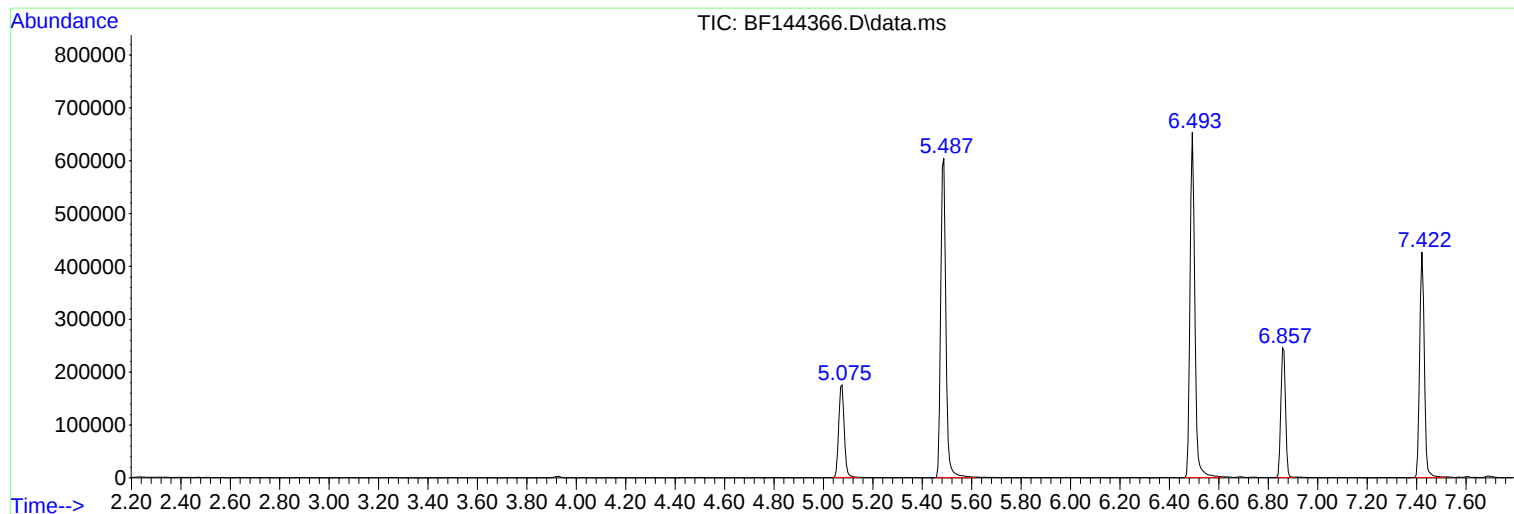
Sum of corrected areas: 9139084

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112625\
Data File : BF144366.D
Acq On : 26 Nov 2025 17:42
Operator : RC/JU
Sample : Q3719-04
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-1125-11B

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112625\
Data File : BF144366.D
Acq On : 26 Nov 2025 17:42
Operator : RC/JU
Sample : Q3719-04
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-1125-11B

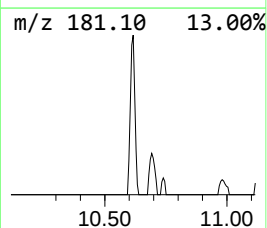
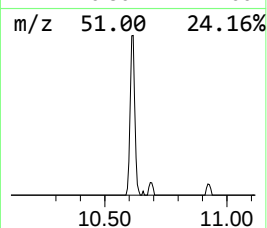
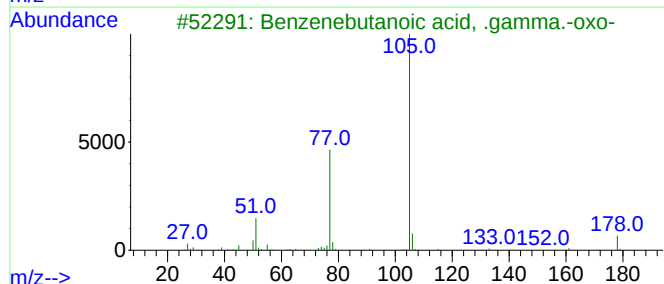
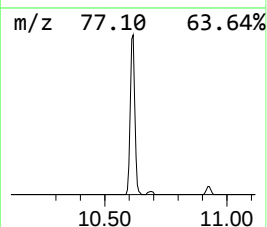
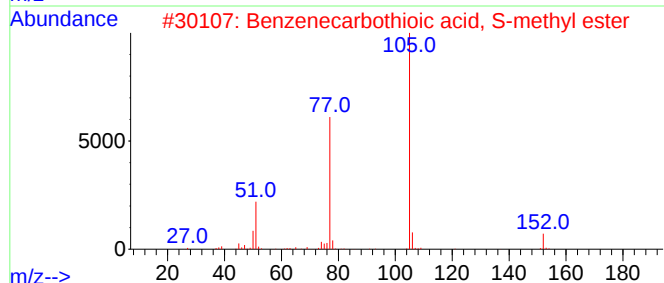
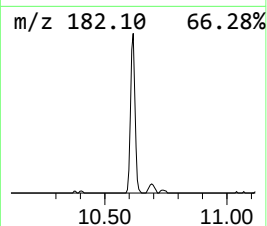
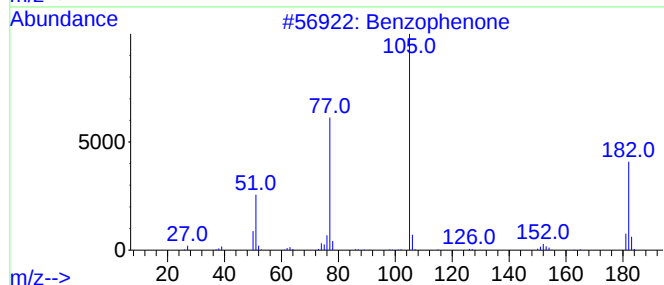
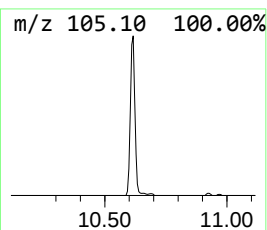
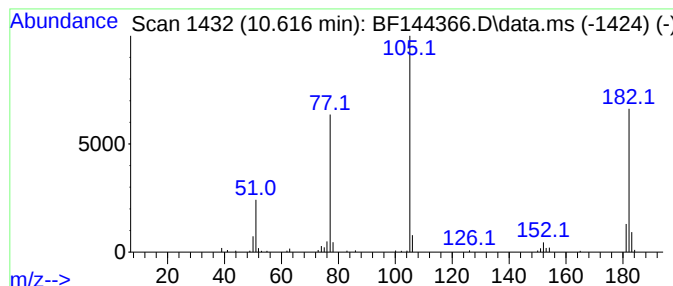
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Benzophenone Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.616	4.76 ng	109225	Acenaphthene-d10	9.898

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	96
2			Benzenecarbothioic acid, S-methy...	152	C8H8OS	005925-68-8	49
3			Benzenebutanoic acid, .gamma.-oxo-	178	C10H10O3	002051-95-8	43
4			Benzoic acid, phenyl ester	198	C13H10O2	000093-99-2	43
5			Pentafluoroethyl phenyl ketone	224	C9H5F5O	000394-52-5	43



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112625\
Data File : BF144366.D
Acq On : 26 Nov 2025 17:42
Operator : RC/JU
Sample : Q3719-04
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-1125-11B

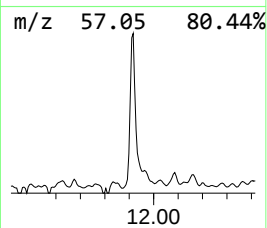
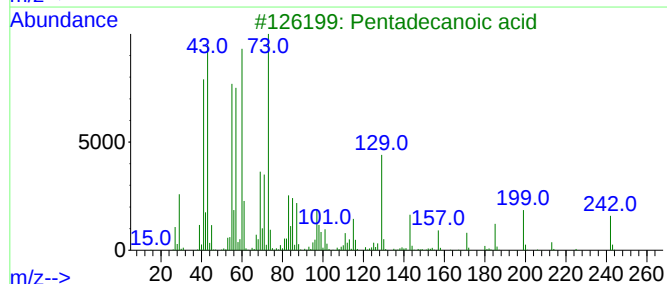
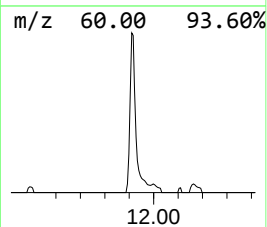
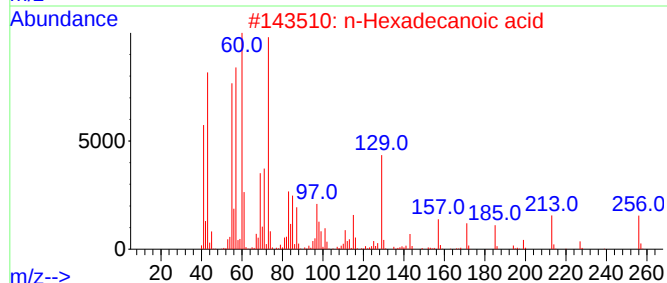
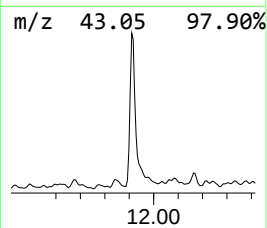
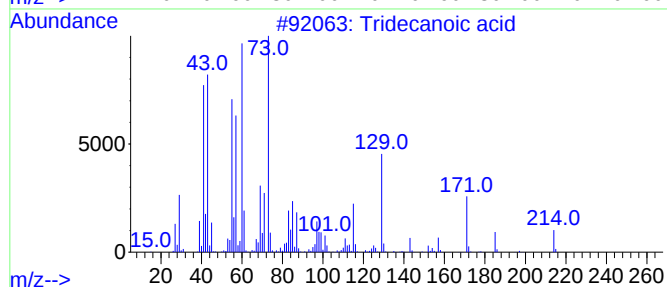
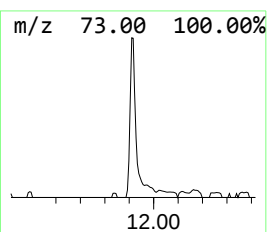
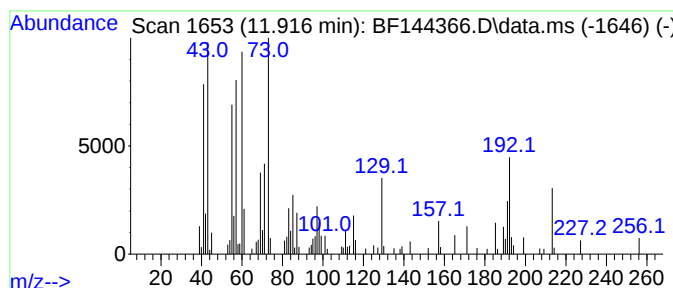
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Tridecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.916	5.47 ng	140157	Phenanthrene-d10	11.392

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tridecanoic acid	214	C13H26O2	000638-53-9	91
2			n-Hexadecanoic acid	256	C16H32O2	000057-10-3	89
3			Pentadecanoic acid	242	C15H30O2	001002-84-2	70
4			Tetradecanoic acid	228	C14H28O2	000544-63-8	58
5			Nonanoic acid	158	C9H18O2	000112-05-0	25



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112625\
Data File : BF144366.D
Acq On : 26 Nov 2025 17:42
Operator : RC/JU
Sample : Q3719-04
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-1125-11B

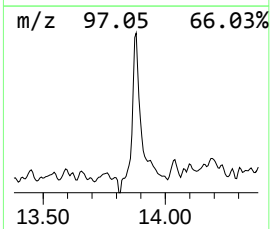
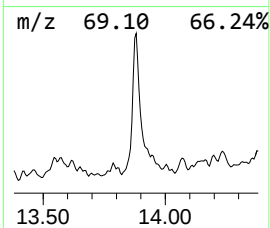
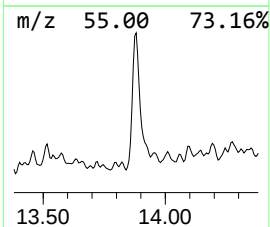
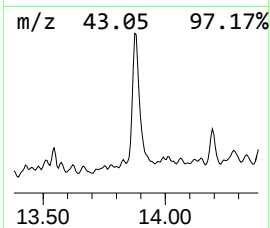
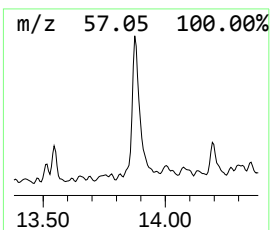
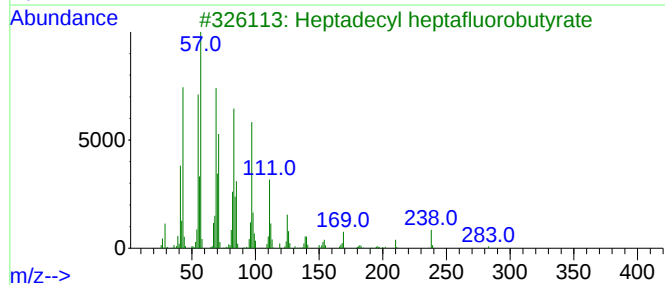
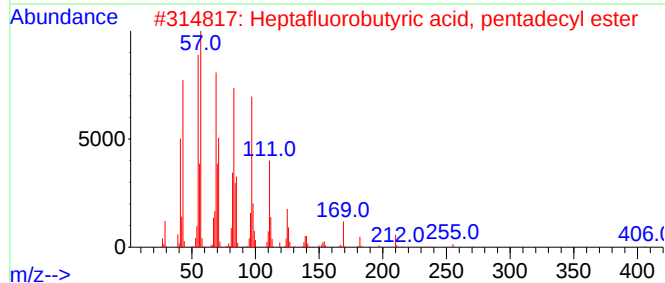
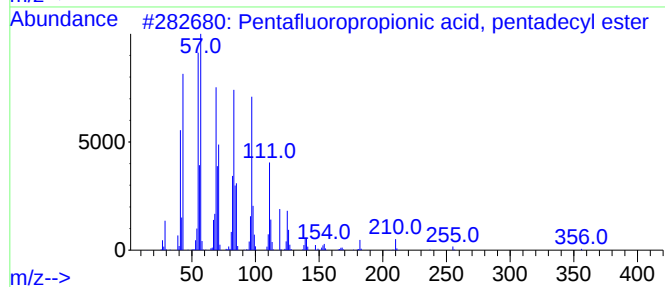
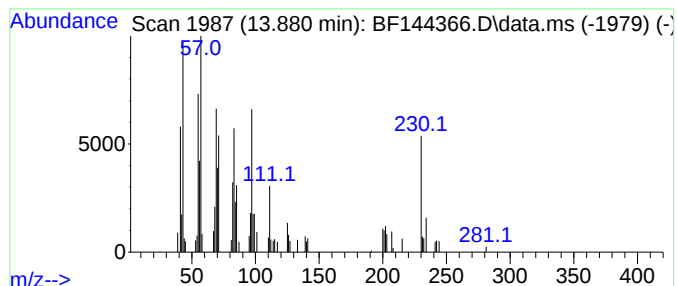
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Pentafluoropropionic acid, ... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.880	3.12 ng	82736	Chrysene-d12	14.039

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentafluoropropionic acid, penta...	374	C18H31F5O2	959092-08-1	90
2			Heptafluorobutyric acid, pentade...	424	C19H31F7O2	959261-23-5	90
3			Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	81
4			Dichloroacetic acid, tetradecyl ...	324	C16H30Cl2O2	083005-02-1	81
5			Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	81



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112625\
Data File : BF144366.D
Acq On : 26 Nov 2025 17:42
Operator : RC/JU
Sample : Q3719-04
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-1125-11B

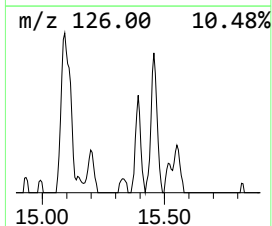
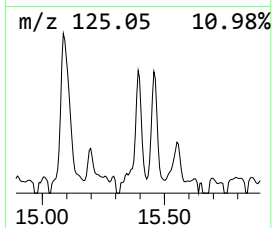
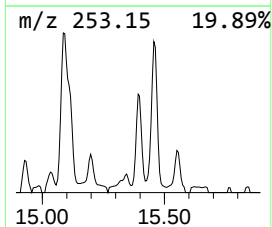
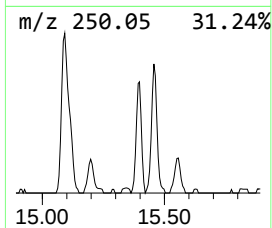
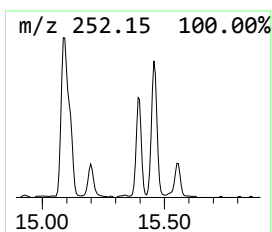
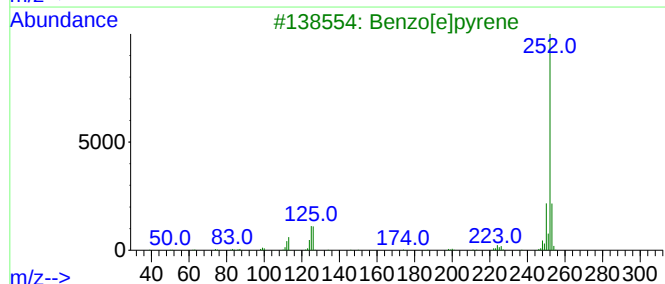
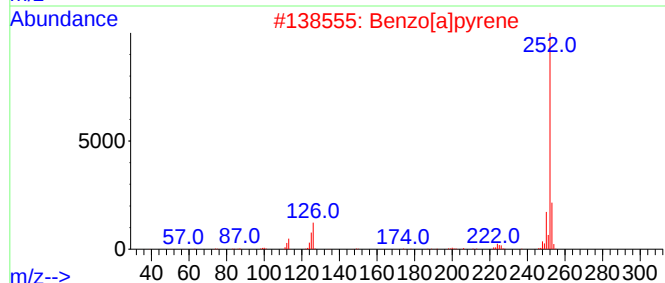
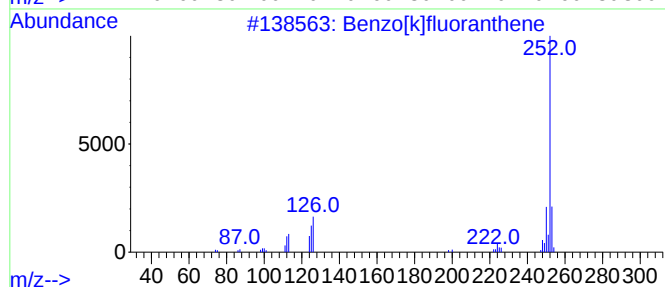
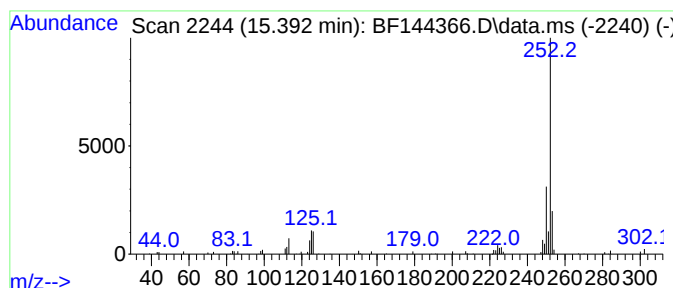
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.392	2.44 ng	58403	Perylene-d12	15.522

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
2			Benzo[a]pyrene	252	C20H12	000050-32-8	95
3			Benzo[e]pyrene	252	C20H12	000192-97-2	95
4			Benzo[j]fluoranthene	252	C20H12	000205-82-3	95
5			Benzo[b]fluoranthene	252	C20H12	000205-99-2	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112625\
Data File : BF144366.D
Acq On : 26 Nov 2025 17:42
Operator : RC/JU
Sample : Q3719-04
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-1125-11B

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Benzophenone	10.616	4.8	ng	109225	3	9.898	459079	20.0
Tridecanoic acid	11.916	5.5	ng	140157	4	11.392	512746	20.0
Pentafluoroprop...	13.880	3.1	ng	82736	5	14.039	530164	20.0
Benzo[e]pyrene	15.392	2.4	ng	58403	6	15.522	478940	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112625\
 Data File : BF144367.D
 Acq On : 26 Nov 2025 18:12
 Operator : RC/JU
 Sample : Q3719-05
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-1125-12A

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
 Supervised By :mohammad ahmed 12/03/2025

Quant Time: Nov 27 00:50:34 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 05 18:37:33 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	55725	20.000	ng	-0.01
21) Naphthalene-d8	8.145	136	204609	20.000	ng	-0.01
39) Acenaphthene-d10	9.898	164	104861	20.000	ng	-0.02
64) Phenanthrene-d10	11.392	188	152442	20.000	ng	-0.01
76) Chrysene-d12	14.039	240	133155	20.000	ng	#-0.01
86) Perylene-d12	15.527	264	168994	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	266676	74.888	ng	0.00
7) Phenol-d6	6.493	99	310800	77.028	ng	0.00
23) Nitrobenzene-d5	7.422	82	196890	55.576	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	85329	64.845	ng	-0.01
45) 2-Fluorobiphenyl	9.216	172	391913	55.200	ng	-0.01
79) Terphenyl-d14	12.980	244	323277	38.564	ng	-0.01
Target Compounds						Qvalue
60) Diethylphthalate	10.316	149	19852	3.100	ng	97
75) Fluoranthene	12.610	202	21363	2.725	ng	97
78) Pyrene	12.839	202	22007	2.050	ng	97
88) Benzo(b)fluoranthene	15.092	252	23721m	2.469	ng	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

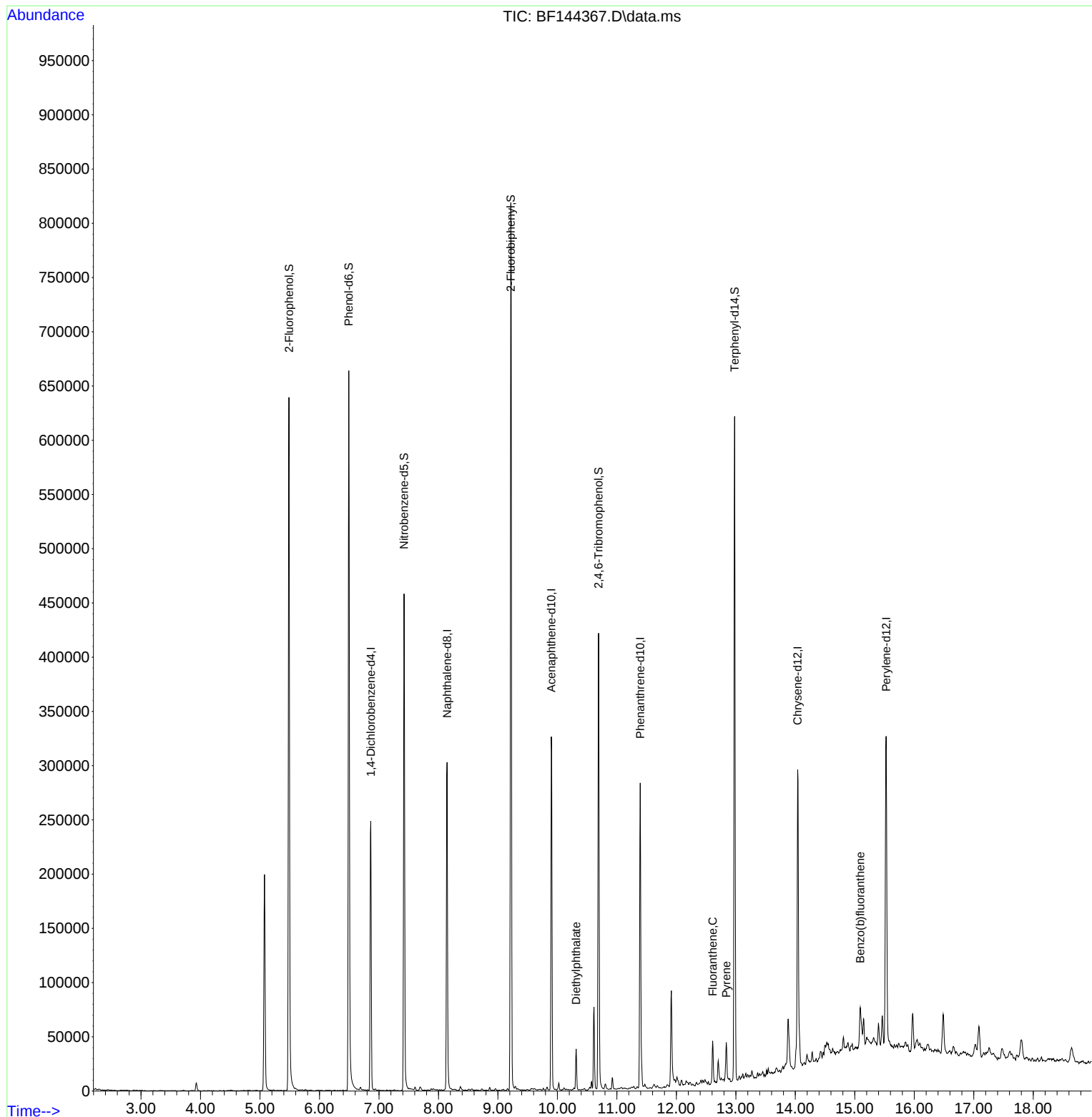
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Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-1125-12A

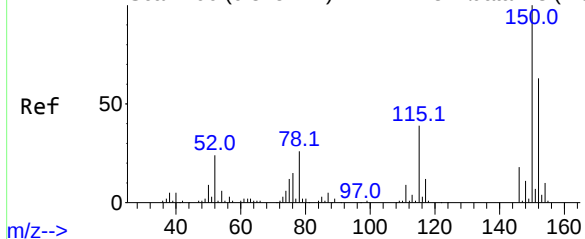
Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025

Quant Time: Nov 27 00:50:34 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 18:37:33 2025
Response via : Initial Calibration



Abundance Scan 796 (6.875 min): BF144173.D\data.ms (-79



#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.863 min Scan# 796

Delta R.T. -0.012 min

Lab File: BF144367.D

Acq: 26 Nov 2025 18:12

Instrument :

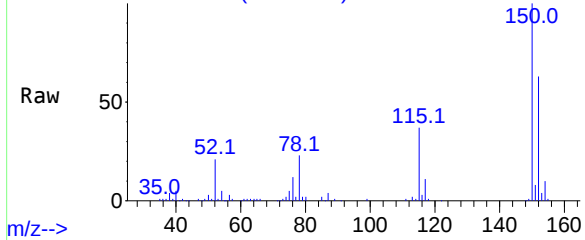
BNA_F

ClientSampleId :

SB-1125-12A

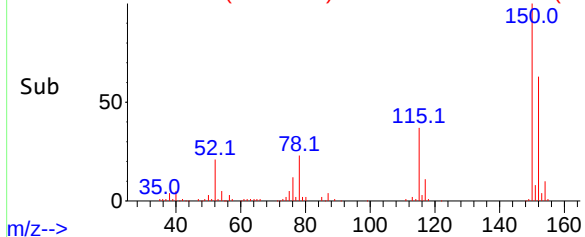
m/z-->

Abundance Scan 794 (6.863 min): BF144367.D\data.ms



m/z-->

Abundance Scan 794 (6.863 min): BF144367.D\data.ms (-77



m/z-->

Tgt Ion:152 Resp: 5572

Ion Ratio Lower Upper

152 100

150 158.1 127.4 191.0

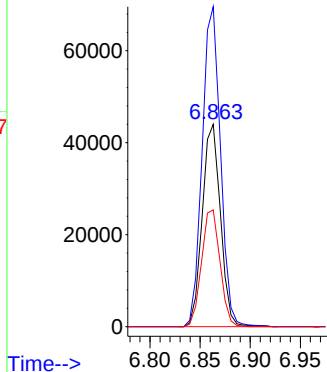
115 57.7 49.5 74.3

Manual Integrations

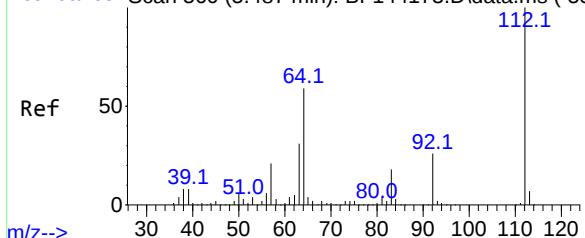
APPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025

Abundance

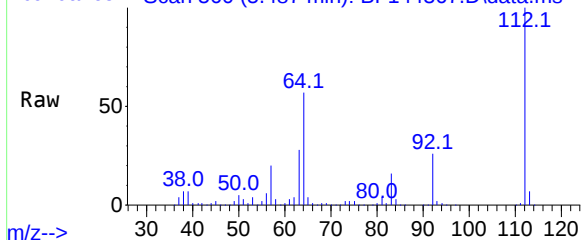


Abundance Scan 560 (5.487 min): BF144173.D\data.ms (-55



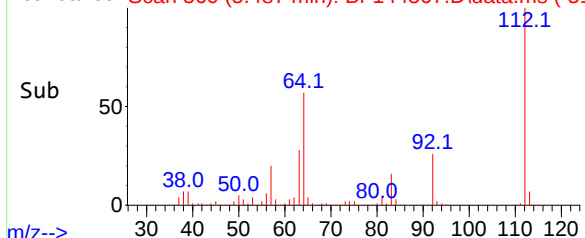
m/z-->

Abundance Scan 560 (5.487 min): BF144367.D\data.ms



m/z-->

Abundance Scan 560 (5.487 min): BF144367.D\data.ms (-51



m/z-->

#5

2-Fluorophenol

Concen: 74.888 ng

RT: 5.487 min Scan# 560

Delta R.T. -0.006 min

Lab File: BF144367.D

Acq: 26 Nov 2025 18:12

Tgt Ion:112 Resp: 266676

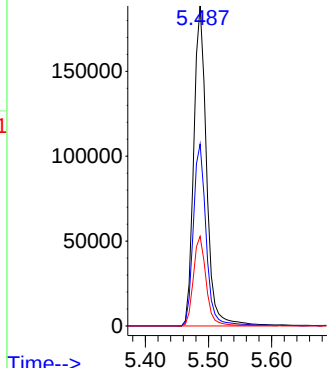
Ion Ratio Lower Upper

112 100

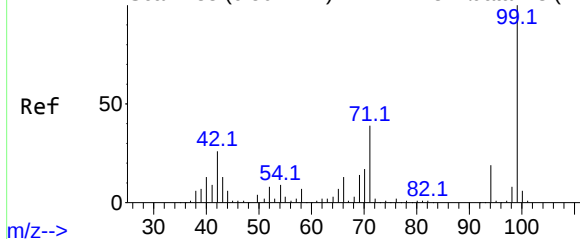
64 56.8 47.2 70.8

63 28.0 24.4 36.6

Abundance



Abundance Scan 733 (6.504 min): BF144173.D\data.ms (-72



#7

Phenol-d6

Concen: 77.028 ng

RT: 6.493 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF144367.D

Acq: 26 Nov 2025 18:12

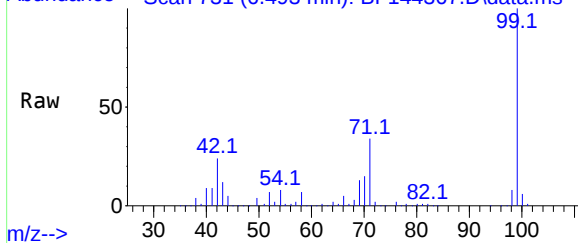
Instrument :

BNA_F

ClientSampleId :

SB-1125-12A

m/z--> Abundance Scan 731 (6.493 min): BF144367.D\data.ms



Tgt Ion: 99 Resp: 310800

Ion Ratio Lower Upper

99 100

42 23.5 20.9 31.3

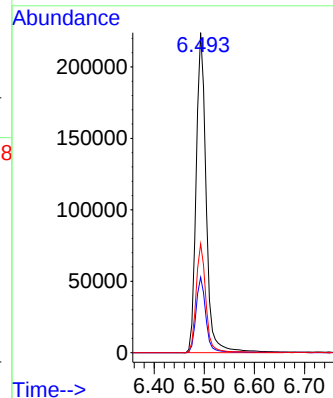
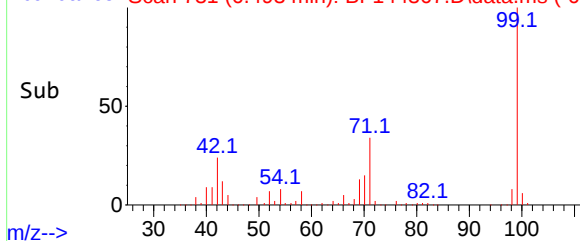
71 34.0 31.4 47.2

Manual Integrations

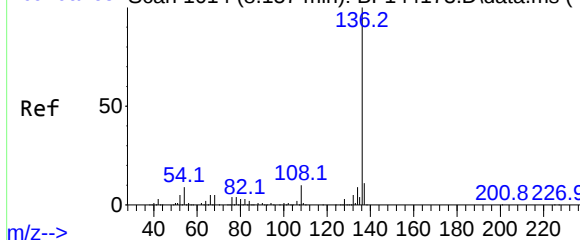
APPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025

Abundance Scan 731 (6.493 min): BF144367.D\data.ms (-68



Abundance Scan 1014 (8.157 min): BF144173.D\data.ms (-1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.145 min Scan# 1012

Delta R.T. -0.012 min

Lab File: BF144367.D

Acq: 26 Nov 2025 18:12

Tgt Ion:136 Resp: 204609

Ion Ratio Lower Upper

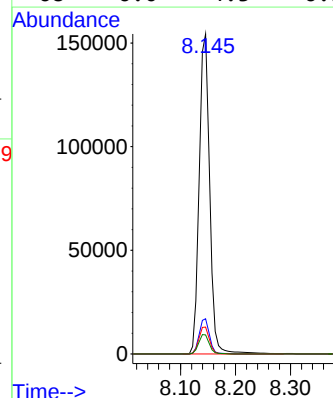
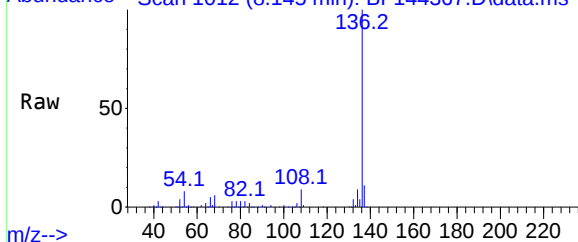
136 100

137 11.0 8.6 13.0

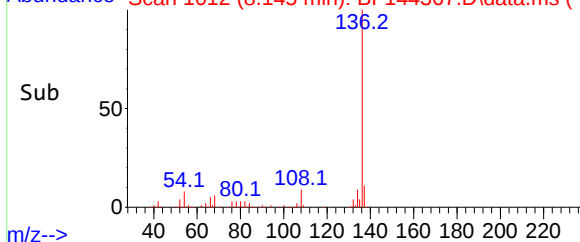
54 8.4 7.0 10.6

68 6.0 4.3 6.5

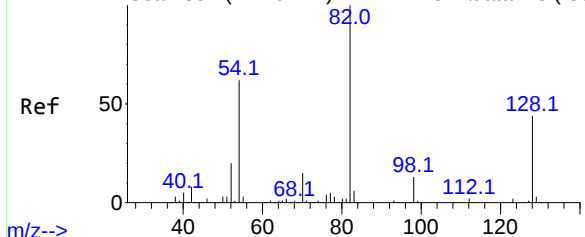
m/z--> Abundance Scan 1012 (8.145 min): BF144367.D\data.ms



Abundance Scan 1012 (8.145 min): BF144367.D\data.ms (-9



Abundance Scan 892 (7.440 min): BF144173.D\data.ms (-88



#23

Nitrobenzene-d5

Concen: 55.576 ng

RT: 7.422 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF144367.D

Acq: 26 Nov 2025 18:12

Instrument :

BNA_F

ClientSampleId :

SB-1125-12A

Tgt Ion: 82 Resp: 196890

Ion Ratio Lower Upper

82 100

128 43.3 34.7 52.1

54 59.5 49.5 74.3

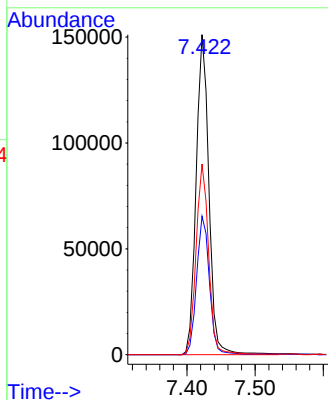
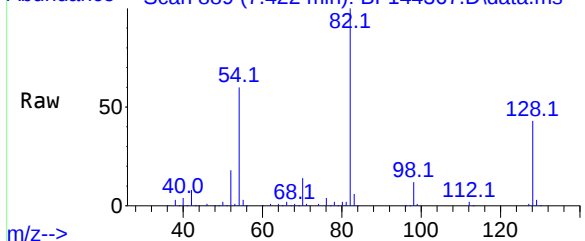
Manual Integrations

APPROVED

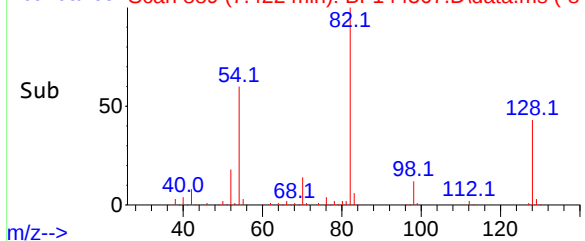
Reviewed By :Jagrut Upadhyay 12/02/2025

Supervised By :mohammad ahmed 12/03/2025

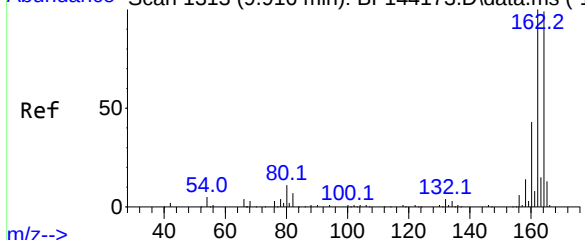
Abundance Scan 889 (7.422 min): BF144367.D\data.ms



Abundance Scan 889 (7.422 min): BF144367.D\data.ms (-84



Abundance Scan 1313 (9.916 min): BF144173.D\data.ms (-1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.898 min Scan# 1310

Delta R.T. -0.018 min

Lab File: BF144367.D

Acq: 26 Nov 2025 18:12

Tgt Ion:164 Resp: 104861

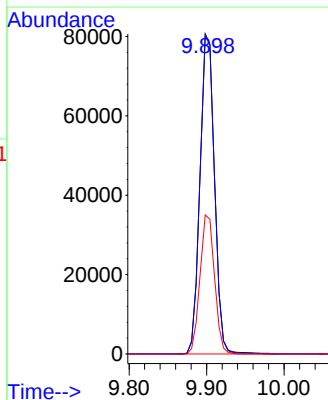
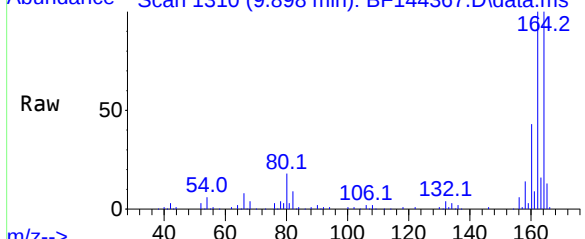
Ion Ratio Lower Upper

164 100

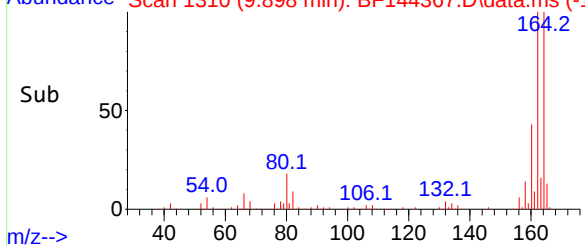
162 99.7 81.1 121.7

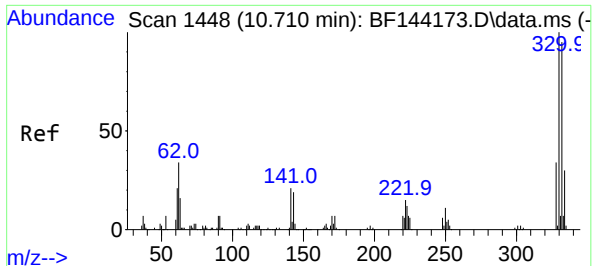
160 43.5 34.5 51.7

Abundance Scan 1310 (9.898 min): BF144367.D\data.ms



Abundance Scan 1310 (9.898 min): BF144367.D\data.ms (-1





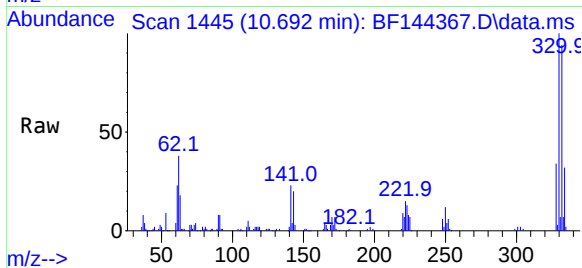
#42
2,4,6-Tribromophenol
Concen: 64.845 ng
RT: 10.692 min Scan# 1445
Delta R.T. -0.012 min
Lab File: BF144367.D
Acq: 26 Nov 2025 18:12

Instrument :

BNA_F

ClientSampleId :

SB-1125-12A

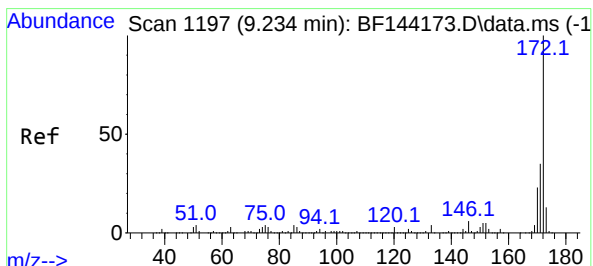
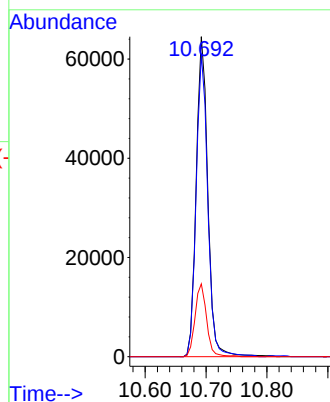
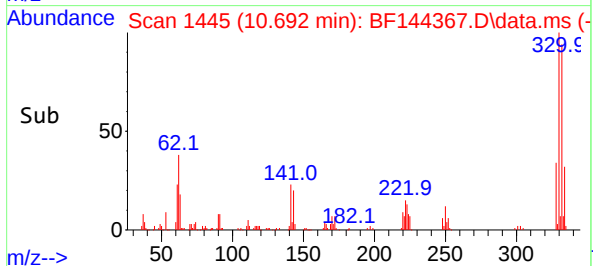


Tgt Ion:330 Resp: 85329
Ion Ratio Lower Upper
330 100
332 94.6 76.7 115.1
141 22.7 17.8 26.8

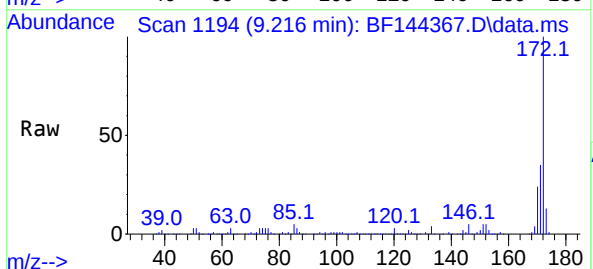
Manual Integrations

APPROVED

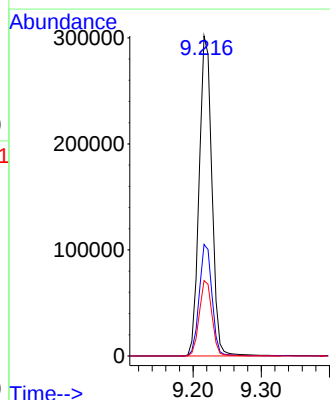
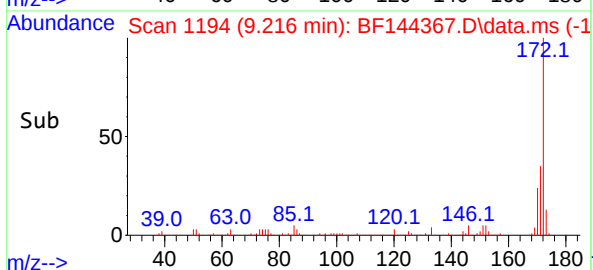
Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025



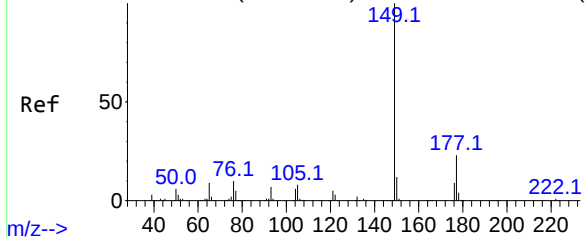
#45
2-Fluorobiphenyl
Concen: 55.200 ng
RT: 9.216 min Scan# 1194
Delta R.T. -0.012 min
Lab File: BF144367.D
Acq: 26 Nov 2025 18:12



Tgt Ion:172 Resp: 391913
Ion Ratio Lower Upper
172 100
171 34.8 28.1 42.1
170 23.5 18.6 28.0



Abundance Scan 1384 (10.334 min): BF144173.D\data.ms (-



#60
Diethylphthalate
Concen: 3.100 ng
RT: 10.316 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF144367.D
Acq: 26 Nov 2025 18:12

Instrument :

BNA_F

ClientSampleId :

SB-1125-12A

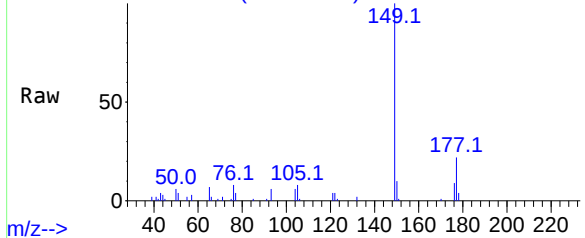
Tgt Ion:149 Resp: 1985
Ion Ratio Lower Upper
149 100
177 21.6 18.3 27.5
150 10.4 9.8 14.6

Manual Integrations

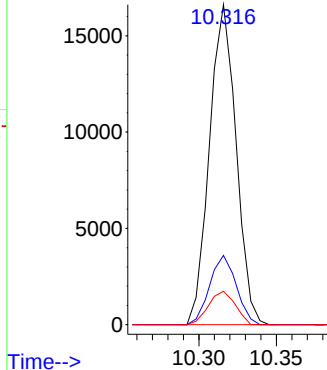
APPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025

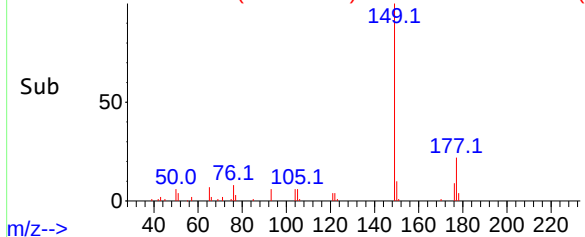
Abundance Scan 1381 (10.316 min): BF144367.D\data.ms



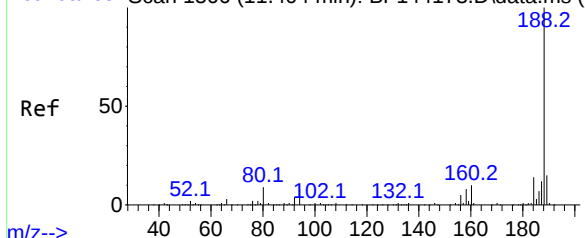
Abundance



Abundance Scan 1381 (10.316 min): BF144367.D\data.ms (-



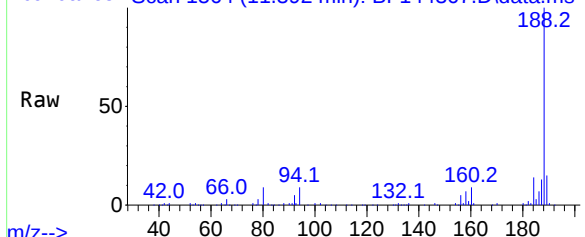
Abundance Scan 1566 (11.404 min): BF144173.D\data.ms (-



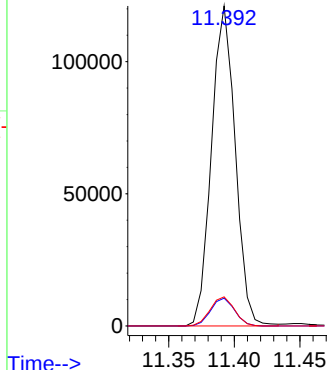
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1564
Delta R.T. -0.012 min
Lab File: BF144367.D
Acq: 26 Nov 2025 18:12

Tgt Ion:188 Resp: 152442
Ion Ratio Lower Upper
188 100
94 8.7 6.2 9.2
80 9.1 6.9 10.3

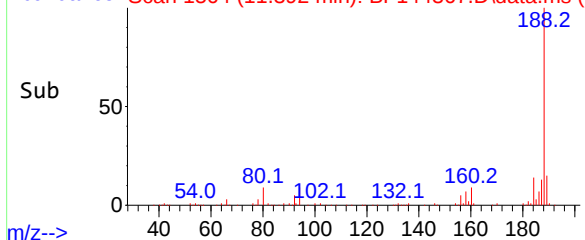
Abundance Scan 1564 (11.392 min): BF144367.D\data.ms

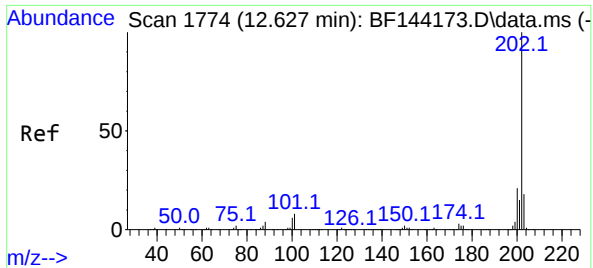


Abundance



Abundance Scan 1564 (11.392 min): BF144367.D\data.ms (-





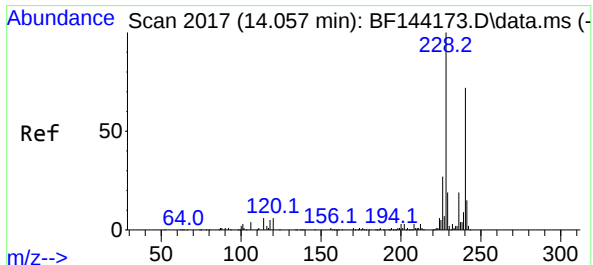
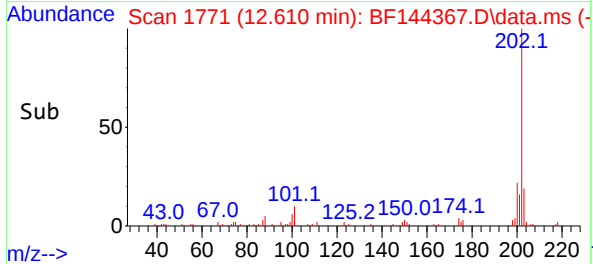
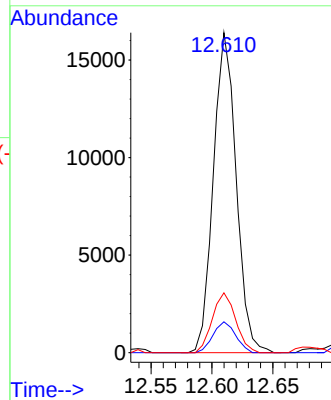
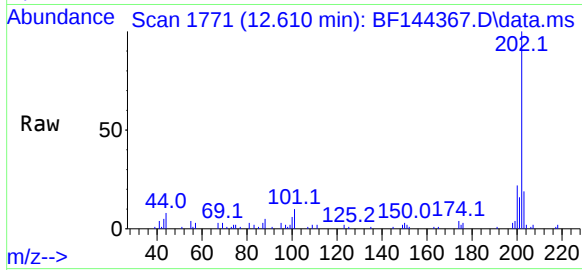
#75
Fluoranthene
Concen: 2.725 ng
RT: 12.610 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF144367.D
Acq: 26 Nov 2025 18:12

Instrument :
BNA_F
ClientSampleId :
SB-1125-12A

Tgt Ion:202 Resp: 2136
Ion Ratio Lower Upper
202 100
101 9.7 0.0 27.9
203 18.7 0.0 37.5

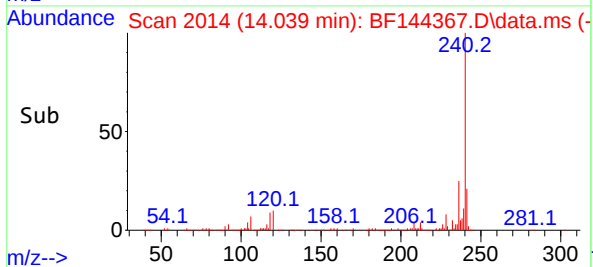
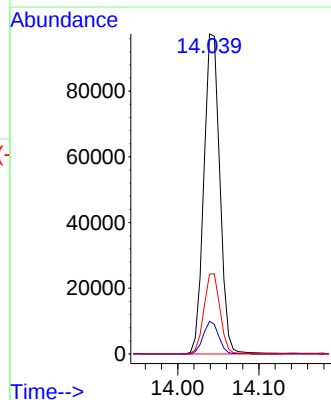
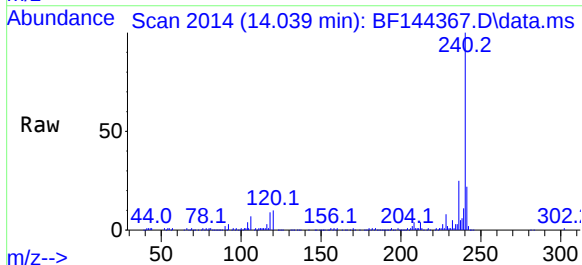
Manual Integrations
APPROVED

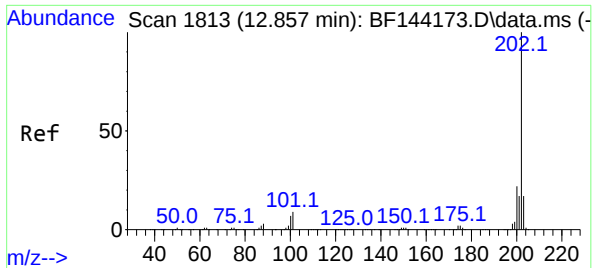
Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2014
Delta R.T. -0.012 min
Lab File: BF144367.D
Acq: 26 Nov 2025 18:12

Tgt Ion:240 Resp: 133155
Ion Ratio Lower Upper
240 100
120 10.2 6.6 10.0#
236 25.0 21.4 32.2





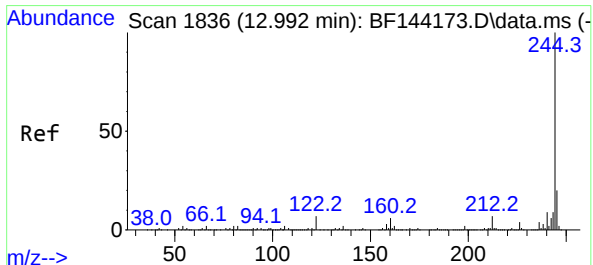
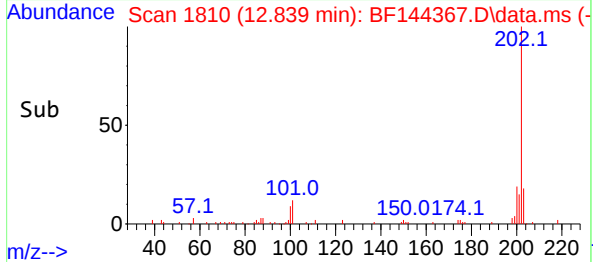
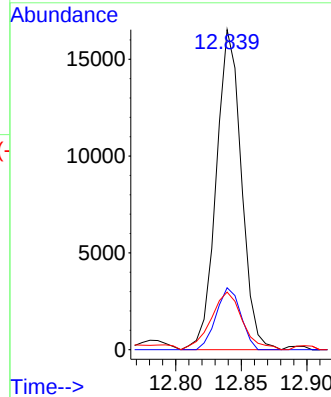
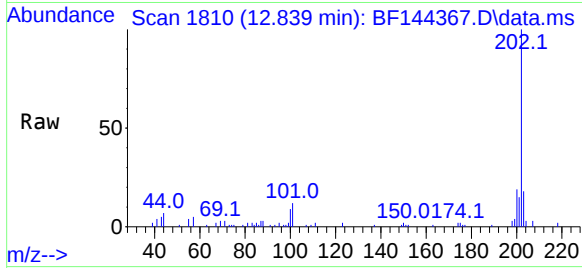
#78
Pyrene
Concen: 2.050 ng
RT: 12.839 min Scan# 1810
Delta R.T. -0.012 min
Lab File: BF144367.D
Acq: 26 Nov 2025 18:12

Instrument :
BNA_F
ClientSampleId :
SB-1125-12A

Tgt Ion:202 Resp: 2200
Ion Ratio Lower Upper
202 100
200 19.4 17.2 25.8
203 18.0 13.7 20.5

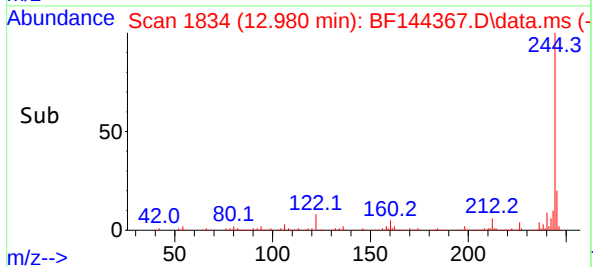
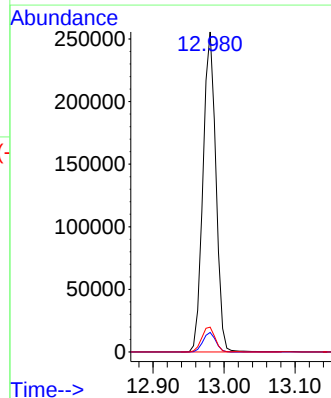
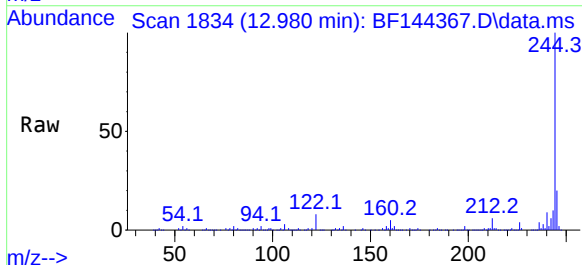
Manual Integrations
APPROVED

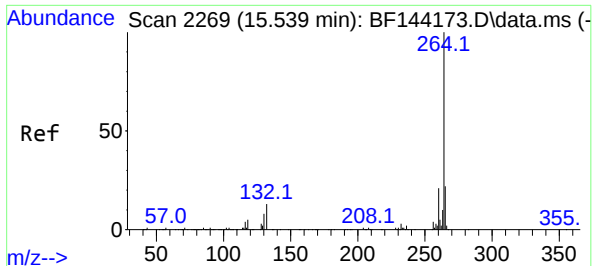
Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025



#79
Terphenyl-d14
Concen: 38.564 ng
RT: 12.980 min Scan# 1834
Delta R.T. -0.012 min
Lab File: BF144367.D
Acq: 26 Nov 2025 18:12

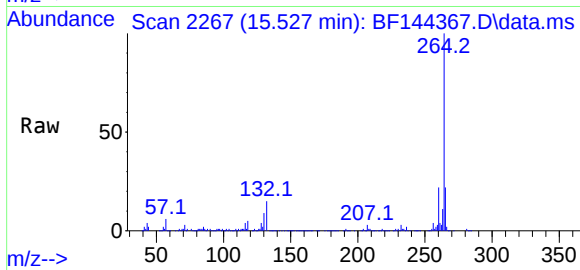
Tgt Ion:244 Resp: 323277
Ion Ratio Lower Upper
244 100
212 6.1 5.3 7.9
122 7.7 5.6 8.4





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.527 min Scan# 2193
Delta R.T. -0.012 min
Lab File: BF144367.D
Acq: 26 Nov 2025 18:12

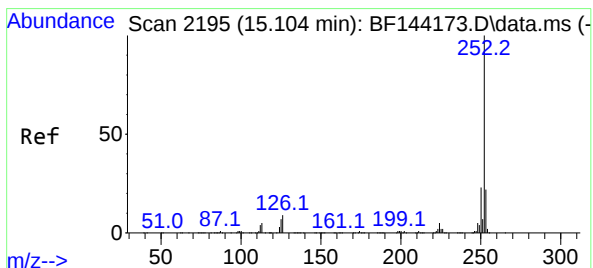
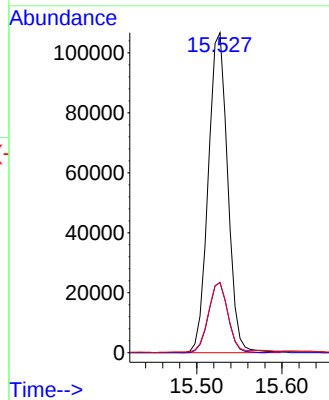
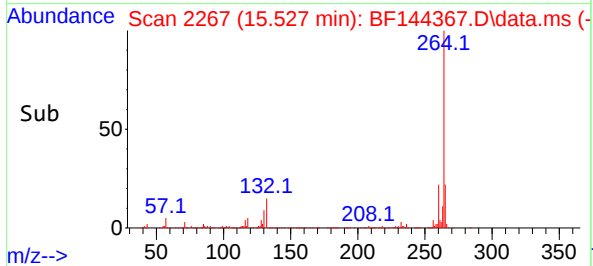
Instrument :
BNA_F
ClientSampleId :
SB-1125-12A



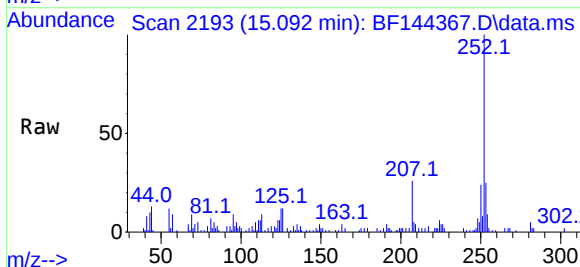
Tgt Ion:264 Resp: 168994
Ion Ratio Lower Upper
264 100
260 21.9 17.1 25.7
265 21.9 17.4 26.0

Manual Integrations
APPROVED

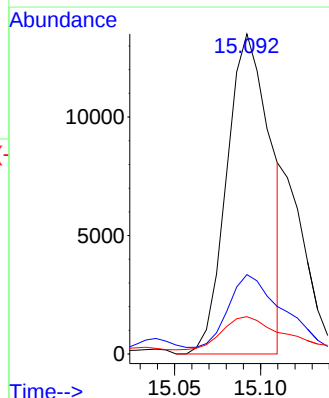
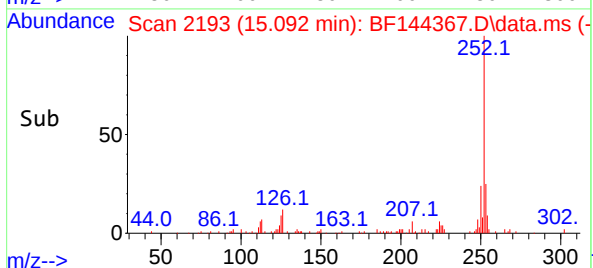
Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025



#88
Benzo(b)fluoranthene
Concen: 2.469 ng m
RT: 15.092 min Scan# 2193
Delta R.T. -0.006 min
Lab File: BF144367.D
Acq: 26 Nov 2025 18:12



Tgt Ion:252 Resp: 23721
Ion Ratio Lower Upper
252 100
253 24.8 17.4 26.2
125 11.7 5.3 7.9#



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112625\
 Data File : BF144367.D
 Acq On : 26 Nov 2025 18:12
 Operator : RC/JU
 Sample : Q3719-05
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-1125-12A

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF144367.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.928	289	295	304	rBV	7268	12454	1.19%	0.147%
2	5.075	482	490	506	rBV	199469	297447	28.49%	3.516%
3	5.487	555	560	576	rBV	638309	885397	84.80%	10.467%
4	6.493	726	731	755	rBV	663492	913663	87.50%	10.801%
5	6.863	789	794	801	rBV	248325	316753	30.34%	3.745%
6	7.422	884	889	901	rBV	457684	591854	56.68%	6.997%
7	8.145	1001	1012	1023	rBV	302548	407881	39.06%	4.822%
8	9.216	1189	1194	1204	rBV	818302	1044147	100.00%	12.344%
9	9.898	1305	1310	1319	rBV	325496	420226	40.25%	4.968%
10	10.316	1377	1381	1387	rVB	37742	46398	4.44%	0.549%
11	10.616	1427	1432	1440	rVB	75281	93498	8.95%	1.105%
12	10.692	1440	1445	1460	rVV	420316	549550	52.63%	6.497%
13	10.928	1480	1485	1491	rBV	10539	13946	1.34%	0.165%
14	11.392	1559	1564	1572	rBV	281034	376450	36.05%	4.450%
15	11.916	1647	1653	1661	rBV3	88595	145900	13.97%	1.725%
16	12.010	1665	1669	1678	rVB5	8024	17904	1.71%	0.212%
17	12.610	1764	1771	1776	rBV	40248	57048	5.46%	0.674%
18	12.704	1782	1787	1793	rBV2	20352	34285	3.28%	0.405%
19	12.839	1804	1810	1818	rBV	35445	55472	5.31%	0.656%
20	12.980	1829	1834	1841	rVB	611522	775719	74.29%	9.170%
21	13.880	1982	1987	1996	rVB2	44112	83747	8.02%	0.990%
22	14.039	2006	2014	2024	rBV	274480	450984	43.19%	5.331%
23	14.198	2037	2041	2046	rBV5	8794	16561	1.59%	0.196%
24	14.504	2089	2093	2094	rBV2	8722	12107	1.16%	0.143%
25	14.810	2142	2145	2148	rVB	9973	11516	1.10%	0.136%
26	15.092	2188	2193	2199	rBV	35166	78905	7.56%	0.933%
27	15.145	2200	2202	2207	rVB	23650	30812	2.95%	0.364%
28	15.398	2242	2245	2251	rVB	20149	28272	2.71%	0.334%
29	15.463	2252	2256	2260	rVB	25502	37790	3.62%	0.447%
30	15.527	2261	2267	2275	rVV	282259	457604	43.83%	5.410%
31	15.974	2338	2343	2348	rBV	33052	59198	5.67%	0.700%
32	16.486	2424	2430	2441	rVB	36032	76951	7.37%	0.910%
33	17.086	2528	2532	2540	rVB2	28291	58438	5.60%	0.691%

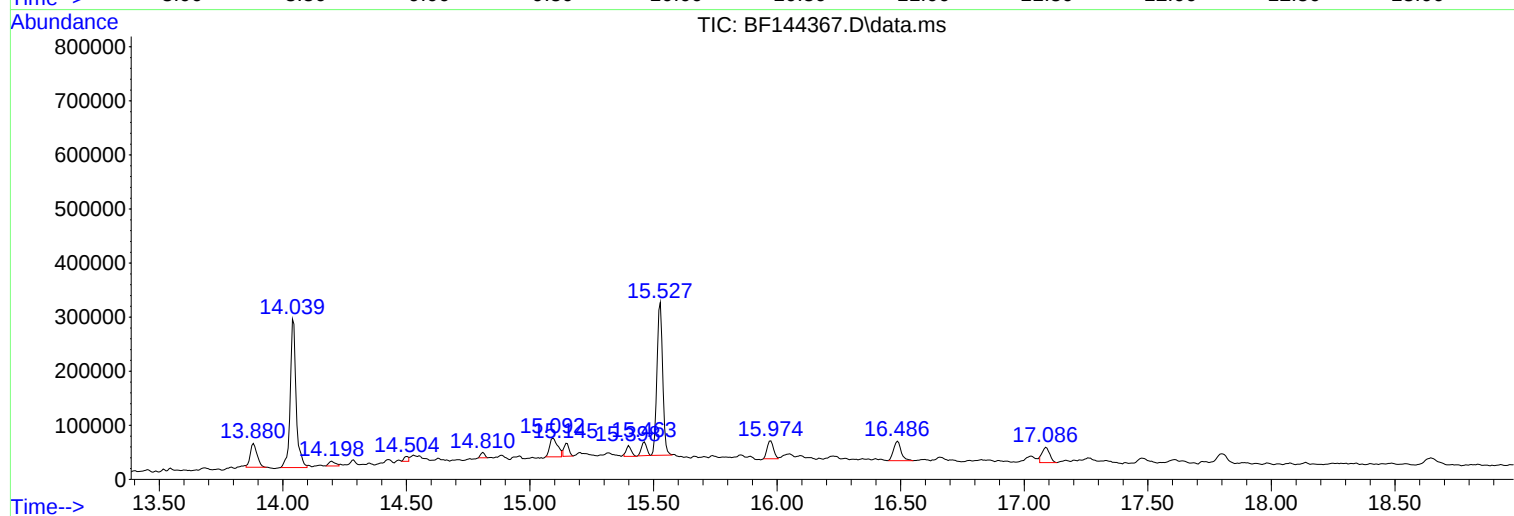
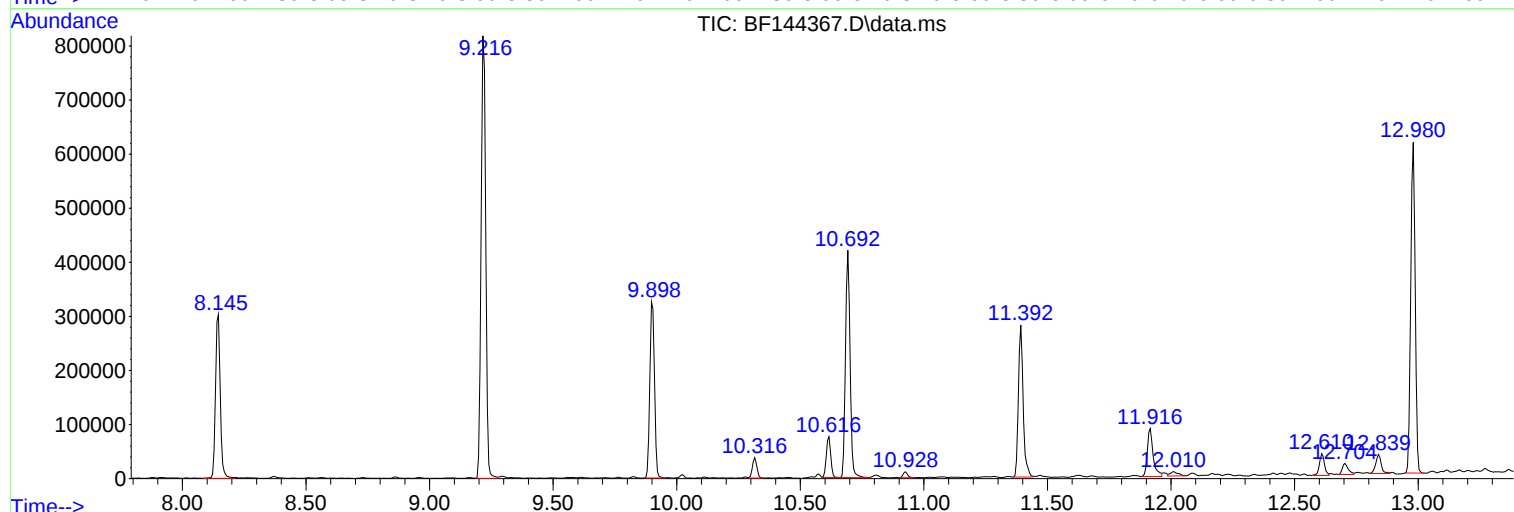
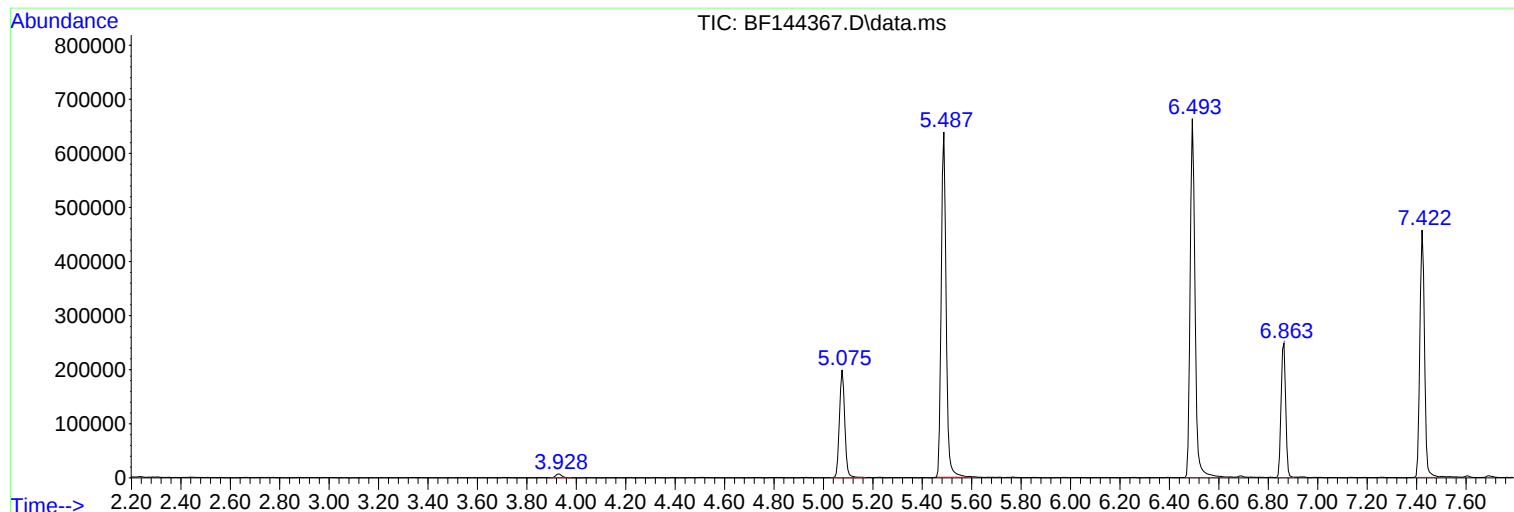
Sum of corrected areas: 8458877

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112625\
Data File : BF144367.D
Acq On : 26 Nov 2025 18:12
Operator : RC/JU
Sample : Q3719-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-1125-12A

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112625\
Data File : BF144367.D
Acq On : 26 Nov 2025 18:12
Operator : RC/JU
Sample : Q3719-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-1125-12A

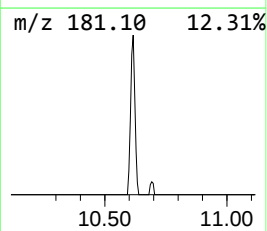
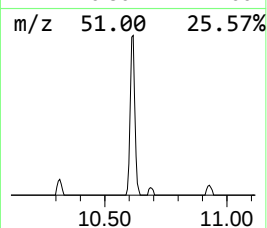
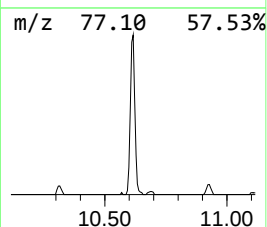
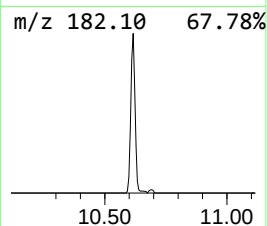
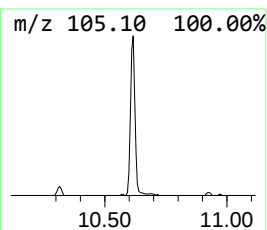
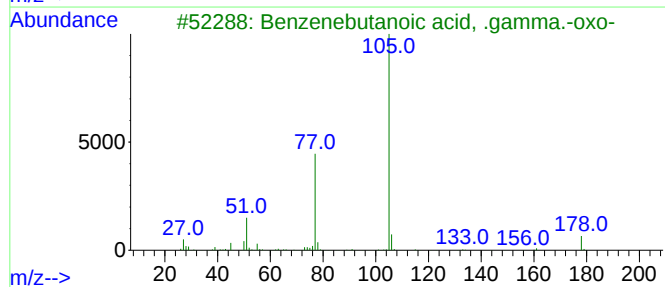
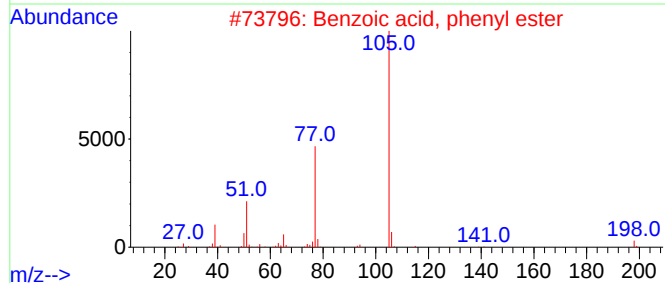
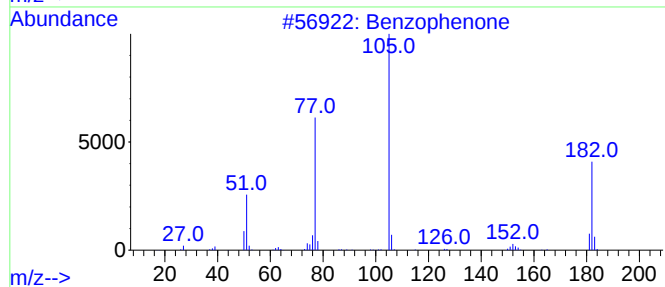
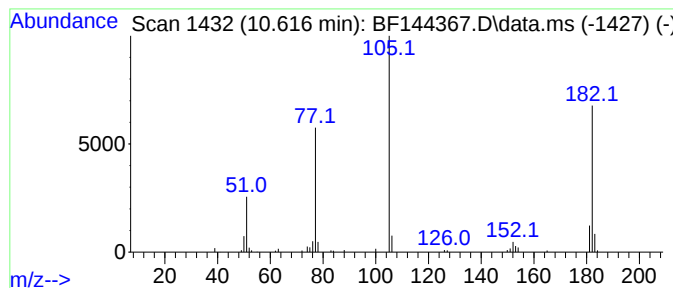
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Benzophenone Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.616	4.45 ng	93498	Acenaphthene-d10	9.898

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	97
2			Benzoic acid, phenyl ester	198	C13H10O2	000093-99-2	47
3			Benzenebutanoic acid, .gamma.-oxo-	178	C10H10O3	002051-95-8	47
4			5-Oxo-5-phenylpentanenitrile	173	C11H11NO	1000486-83-7	47
5			Vinyl benzoate	148	C9H8O2	000769-78-8	47



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112625\
Data File : BF144367.D
Acq On : 26 Nov 2025 18:12
Operator : RC/JU
Sample : Q3719-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

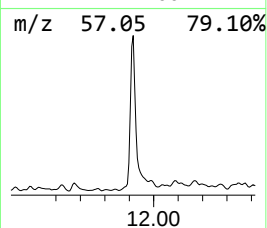
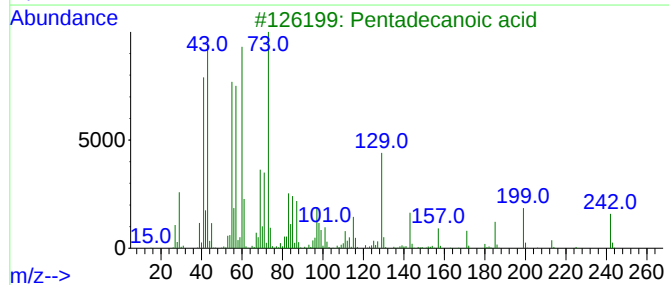
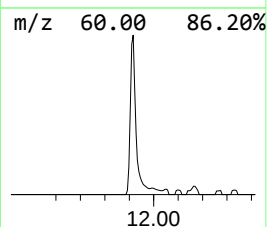
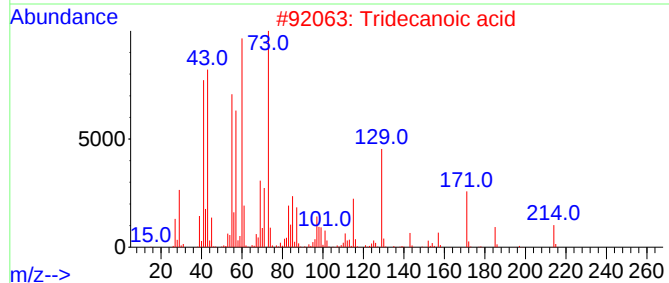
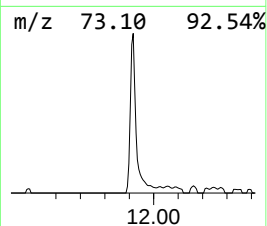
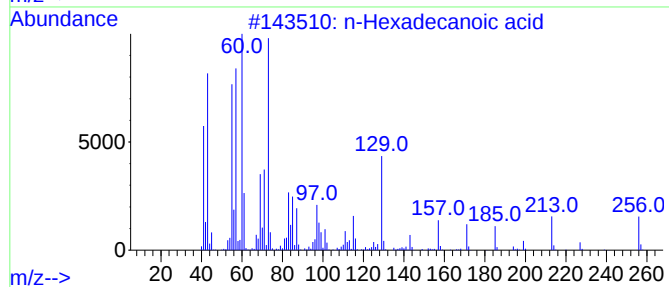
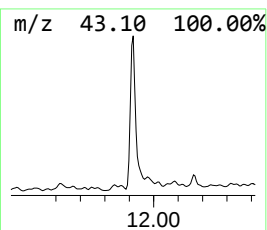
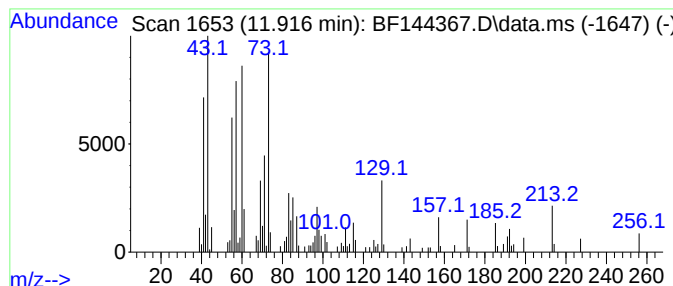
Instrument :
BNA_F
ClientSampleId :
SB-1125-12A

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.916	7.75 ng	145900	Phenanthrene-d10	11.392	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	95
2	Tridecanoic acid	214	C13H26O2	000638-53-9	89
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	76
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	72
5	Oxalic acid, dodecyl propyl ester	300	C17H32O4	1000309-26-5	30



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112625\
Data File : BF144367.D
Acq On : 26 Nov 2025 18:12
Operator : RC/JU
Sample : Q3719-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-1125-12A

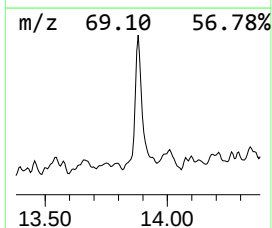
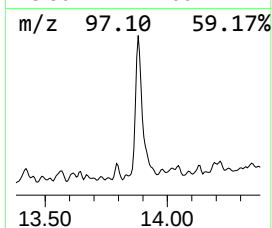
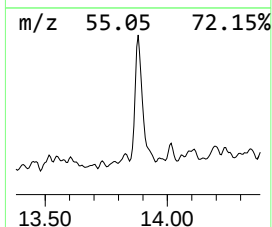
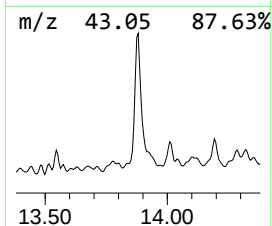
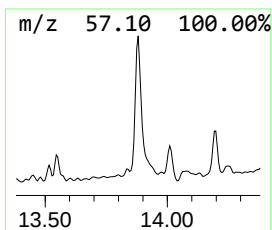
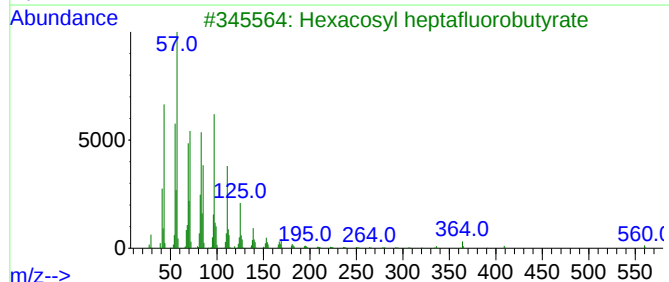
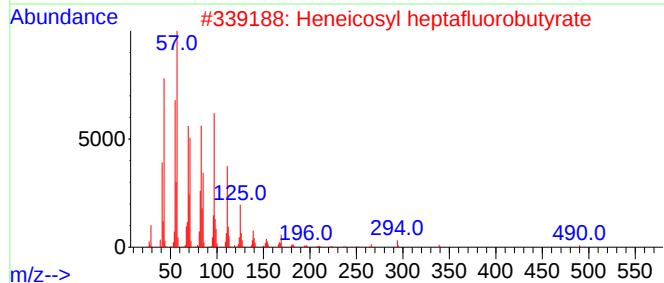
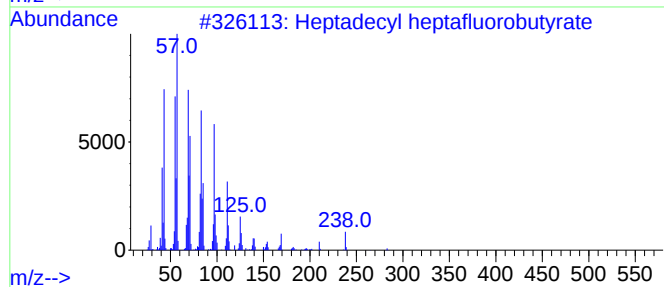
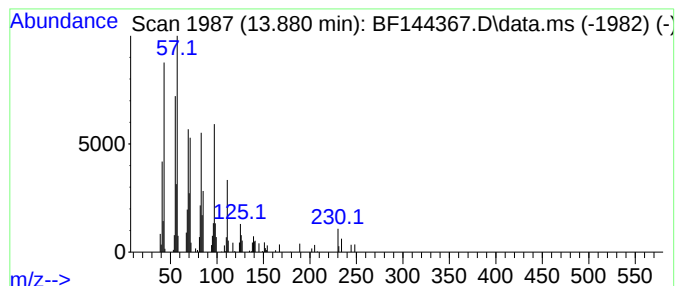
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Heptadecyl heptafluorobutyrate Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.880	3.71 ng	83747	Chrysene-d12	14.039

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	93
2			Heneicosyl heptafluorobutyrate	508	C25H43F7O2	1000351-83-8	90
3			Hexacosyl heptafluorobutyrate	578	C30H53F7O2	1000351-83-3	90
4			Tetracosyl heptafluorobutyrate	550	C28H49F7O2	1000351-83-7	90
5			Hexacosyl pentafluoropropionate	528	C29H53F5O2	1000351-81-2	90



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112625\
Data File : BF144367.D
Acq On : 26 Nov 2025 18:12
Operator : RC/JU
Sample : Q3719-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-1125-12A

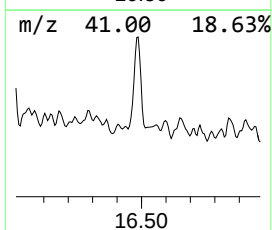
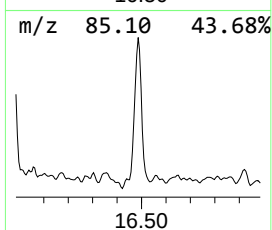
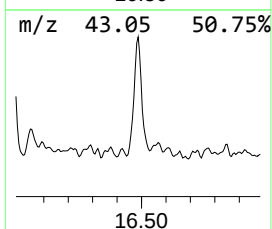
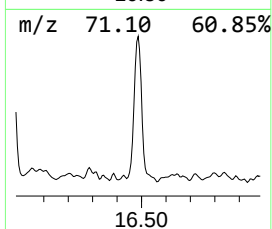
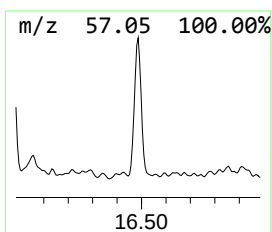
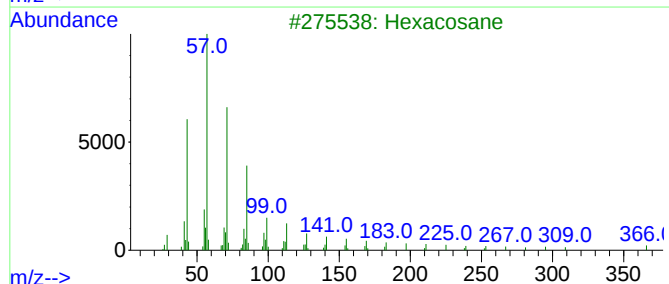
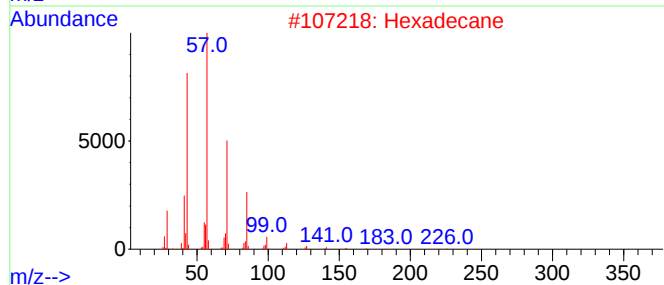
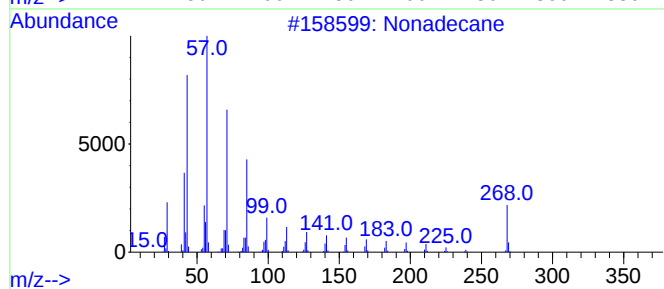
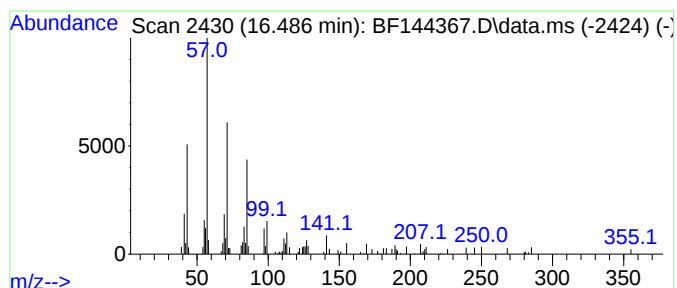
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 Nonadecane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.486	3.36 ng	76951	Perylene-d12	15.527

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Nonadecane	268	C19H40	000629-92-5	95
2			Hexadecane	226	C16H34	000544-76-3	93
3			Hexacosane	366	C26H54	000630-01-3	91
4			Pentacosane	352	C25H52	000629-99-2	91
5			Hentriacontane	437	C31H64	000630-04-6	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112625\
Data File : BF144367.D
Acq On : 26 Nov 2025 18:12
Operator : RC/JU
Sample : Q3719-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-1125-12A

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Benzophenone	10.616	4.5	ng	93498	3	9.898	420226	20.0
n-Hexadecanoic ...	11.916	7.8	ng	145900	4	11.392	376450	20.0
Heptadecyl hept...	13.880	3.7	ng	83747	5	14.039	450984	20.0
Nonadecane	16.486	3.4	ng	76951	6	15.527	457604	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112625\
 Data File : BF144368.D
 Acq On : 26 Nov 2025 18:42
 Operator : RC/JU
 Sample : Q3719-06
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-1125-12B

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
 Supervised By :mohammad ahmed 12/03/2025

Quant Time: Nov 27 00:50:57 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 05 18:37:33 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	51725	20.000	ng	-0.01
21) Naphthalene-d8	8.145	136	197457	20.000	ng	-0.01
39) Acenaphthene-d10	9.898	164	101915	20.000	ng	-0.02
64) Phenanthrene-d10	11.392	188	153449	20.000	ng	-0.01
76) Chrysene-d12	14.039	240	134244	20.000	ng	-0.01
86) Perylene-d12	15.521	264	160199	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	261515	79.118	ng	0.00
7) Phenol-d6	6.492	99	301728	80.563	ng	0.00
23) Nitrobenzene-d5	7.422	82	197188	57.676	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	79353	62.047	ng	-0.01
45) 2-Fluorobiphenyl	9.216	172	369777	53.587	ng	-0.01
79) Terphenyl-d14	12.980	244	280360	33.173	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.163	128	23775	2.531	ng	96
71) Phenanthrene	11.416	178	32956	4.314	ng	97
75) Fluoranthene	12.610	202	53767	6.813	ng	98
78) Pyrene	12.839	202	46991	4.341	ng	98
81) Benzo(a)anthracene	14.033	228	35831	3.851	ng	94
83) Chrysene	14.068	228	28057m	3.267	ng	
88) Benzo(b)fluoranthene	15.092	252	38435m	4.220	ng	
90) Benzo(a)pyrene	15.457	252	27191	3.236	ng	# 89

(#) = qualifier out of range (m) = manual integration (+) = signals summed

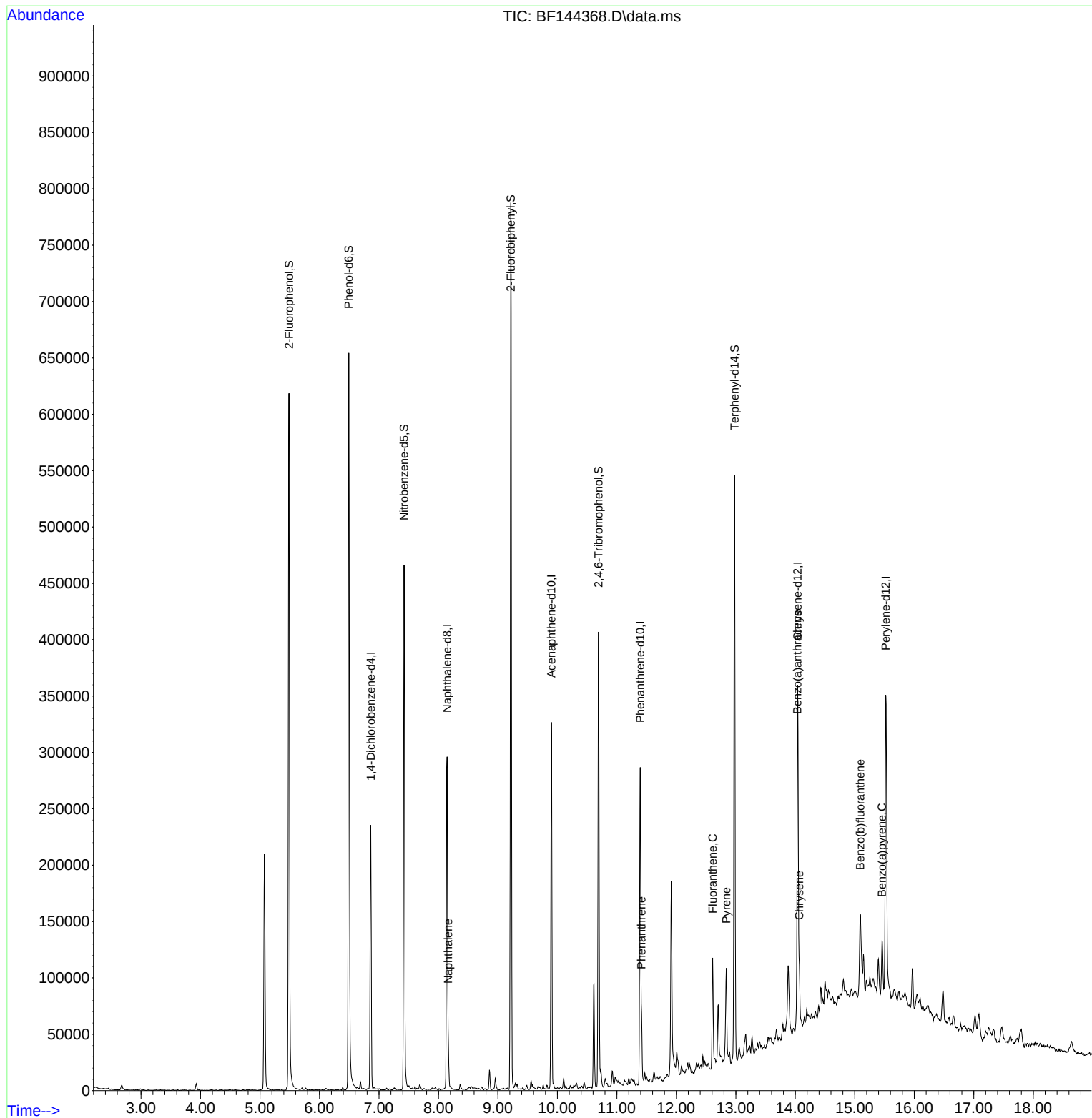
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112625\
Data File : BF144368.D
Acq On : 26 Nov 2025 18:42
Operator : RC/JU
Sample : Q3719-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-1125-12B

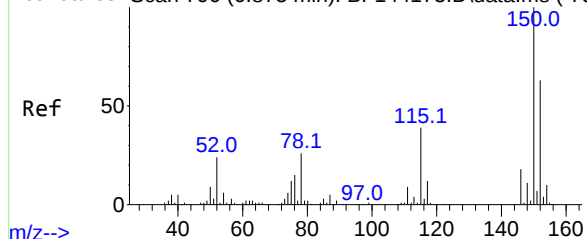
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 18:37:33 2025
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025



Abundance Scan 796 (6.875 min): BF144173.D\data.ms (-79



#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.863 min Scan# 796

Delta R.T. -0.012 min

Lab File: BF144368.D

Acq: 26 Nov 2025 18:42

Instrument :

BNA_F

ClientSampleId :

SB-1125-12B

Tgt Ion:152 Resp: 51729

Ion Ratio Lower Upper

152 100

150 162.0 127.4 191.0

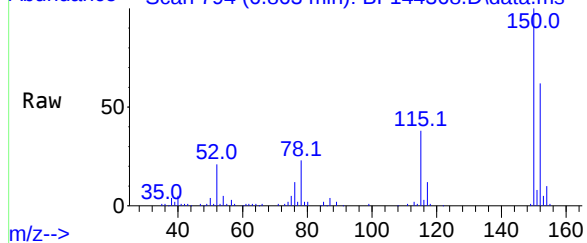
115 60.9 49.5 74.3

Manual Integrations

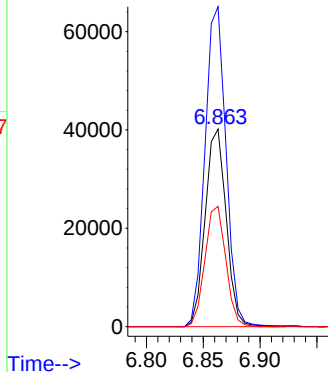
APPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025

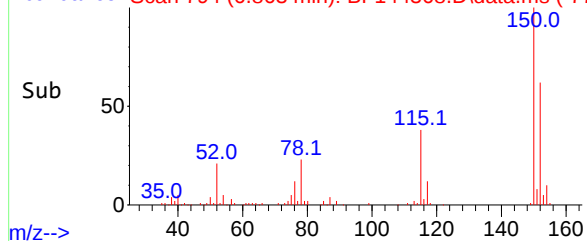
Abundance Scan 794 (6.863 min): BF144368.D\data.ms



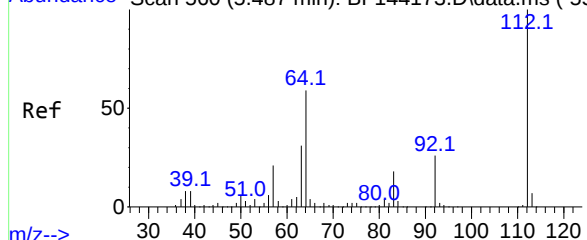
Abundance



Abundance Scan 794 (6.863 min): BF144368.D\data.ms (-77



Abundance Scan 560 (5.487 min): BF144173.D\data.ms (-55



#5

2-Fluorophenol

Concen: 79.118 ng

RT: 5.487 min Scan# 560

Delta R.T. -0.006 min

Lab File: BF144368.D

Acq: 26 Nov 2025 18:42

Tgt Ion:112 Resp: 261515

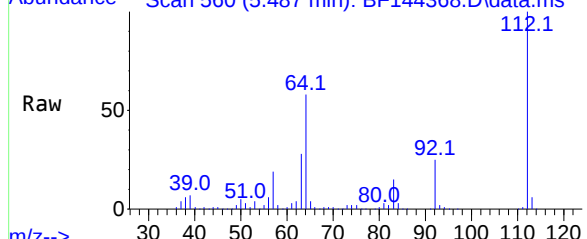
Ion Ratio Lower Upper

112 100

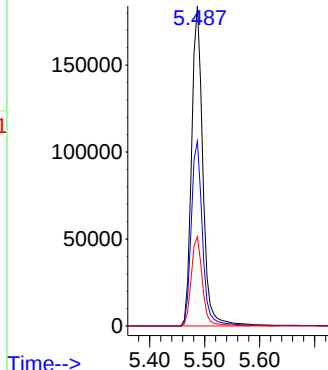
64 57.7 47.2 70.8

63 27.8 24.4 36.6

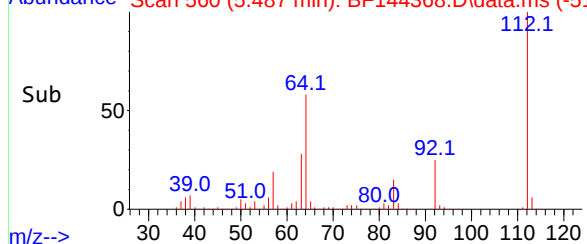
Abundance Scan 560 (5.487 min): BF144368.D\data.ms



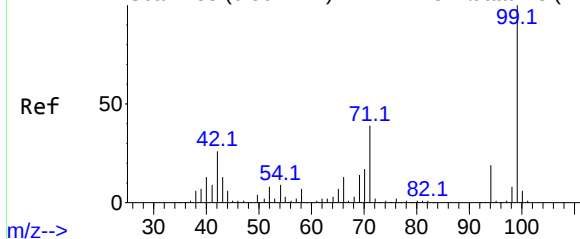
Abundance



Abundance Scan 560 (5.487 min): BF144368.D\data.ms (-51



Abundance Scan 733 (6.504 min): BF144173.D\data.ms (-72



#7

Phenol-d6

Concen: 80.563 ng

RT: 6.492 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF144368.D

Acq: 26 Nov 2025 18:42

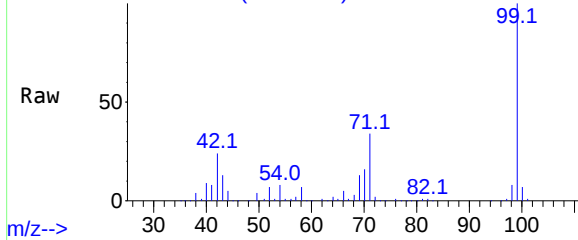
Instrument :

BNA_F

ClientSampleId :

SB-1125-12B

Abundance Scan 731 (6.492 min): BF144368.D\data.ms



Tgt Ion: 99 Resp: 301728

Ion Ratio Lower Upper

99 100

42 23.6 20.9 31.3

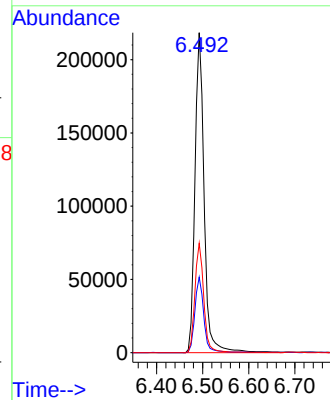
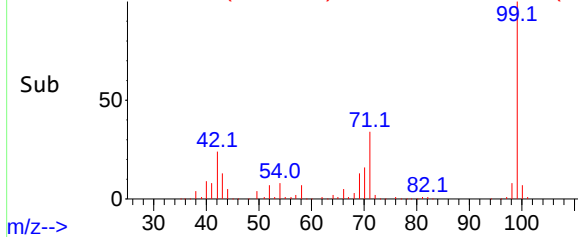
71 34.2 31.4 47.2

Manual Integrations

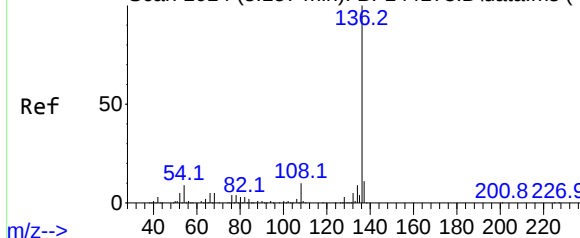
APPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025

Abundance Scan 731 (6.492 min): BF144368.D\data.ms (-68



Abundance Scan 1014 (8.157 min): BF144173.D\data.ms (-1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.145 min Scan# 1012

Delta R.T. -0.012 min

Lab File: BF144368.D

Acq: 26 Nov 2025 18:42

Tgt Ion:136 Resp: 197457

Ion Ratio Lower Upper

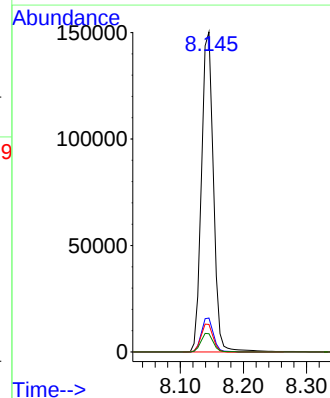
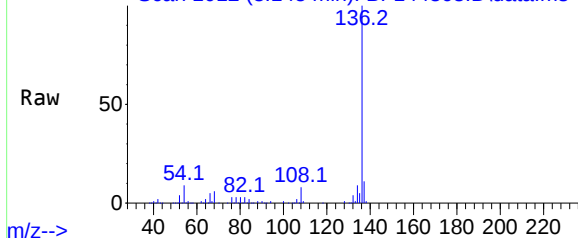
136 100

137 10.6 8.6 13.0

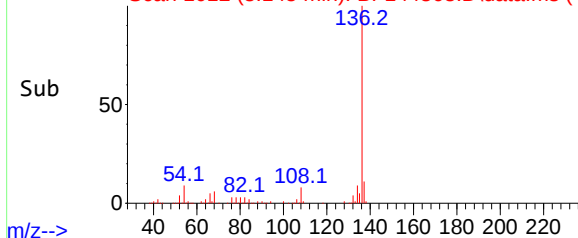
54 8.6 7.0 10.6

68 5.7 4.3 6.5

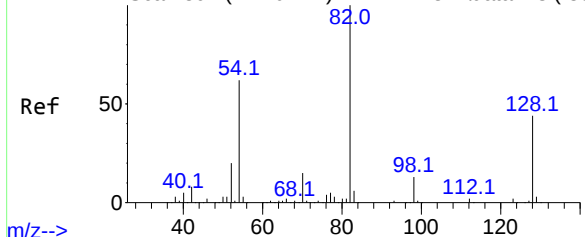
Abundance Scan 1012 (8.145 min): BF144368.D\data.ms



Abundance Scan 1012 (8.145 min): BF144368.D\data.ms (-9



Abundance Scan 892 (7.440 min): BF144173.D\data.ms (-88



#23

Nitrobenzene-d5

Concen: 57.676 ng

RT: 7.422 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF144368.D

Acq: 26 Nov 2025 18:42

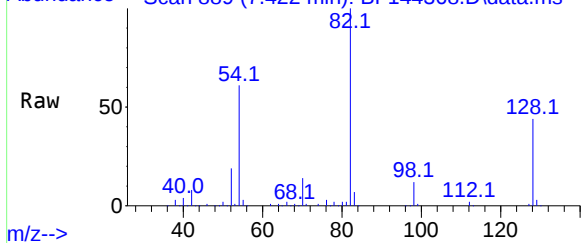
Instrument :

BNA_F

ClientSampleId :

SB-1125-12B

Abundance Scan 889 (7.422 min): BF144368.D\data.ms



Tgt Ion: 82 Resp: 19718

Ion Ratio Lower Upper

82 100

128 44.0 34.7 52.1

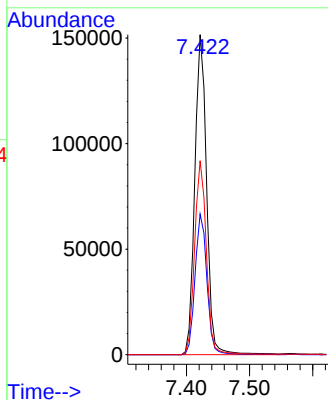
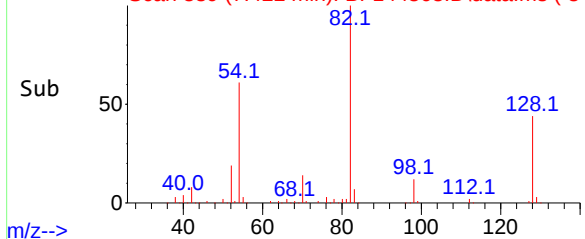
54 60.6 49.5 74.3

Manual Integrations

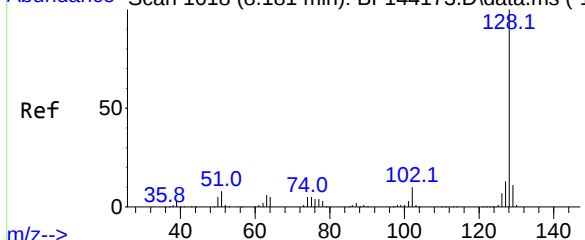
APPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025

Abundance Scan 889 (7.422 min): BF144368.D\data.ms (-84



Abundance Scan 1018 (8.181 min): BF144173.D\data.ms (-1



#31

Naphthalene

Concen: 2.531 ng

RT: 8.163 min Scan# 1015

Delta R.T. -0.012 min

Lab File: BF144368.D

Acq: 26 Nov 2025 18:42

Tgt Ion:128 Resp: 23775

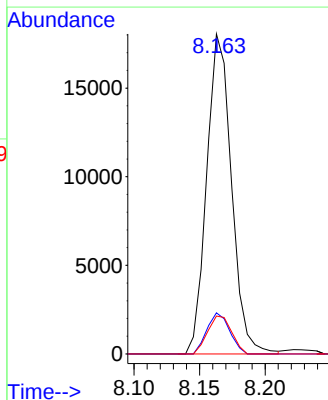
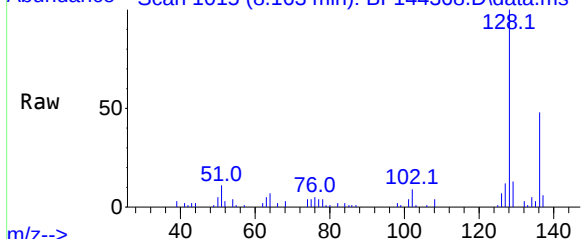
Ion Ratio Lower Upper

128 100

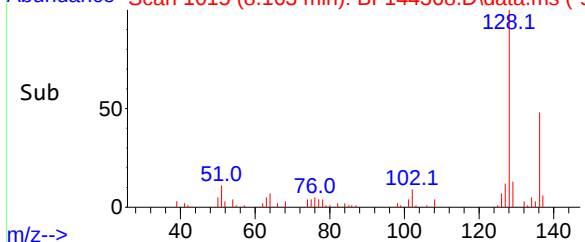
129 12.9 8.9 13.3

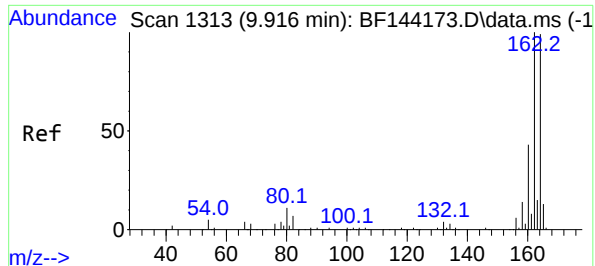
127 11.8 10.3 15.5

Abundance Scan 1015 (8.163 min): BF144368.D\data.ms



Abundance Scan 1015 (8.163 min): BF144368.D\data.ms (-9





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.898 min Scan# 11

Delta R.T. -0.018 min

Lab File: BF144368.D

Acq: 26 Nov 2025 18:42

Instrument :

BNA_F

ClientSampleId :

SB-1125-12B

Tgt Ion:164 Resp: 10191

Ion Ratio Lower Upper

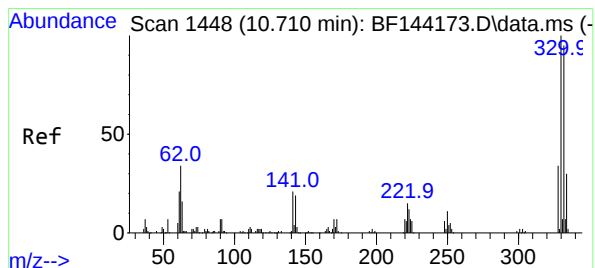
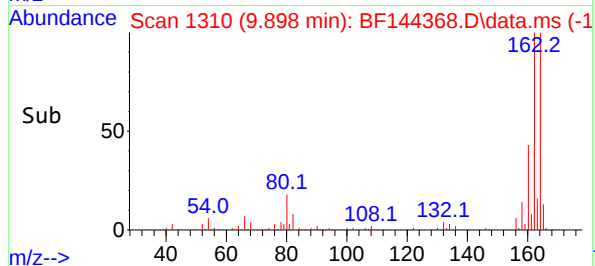
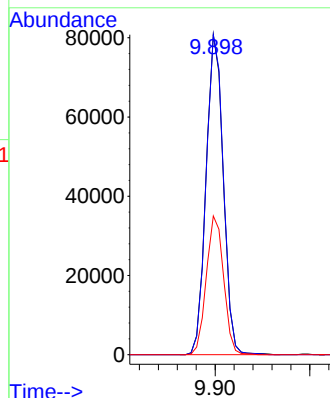
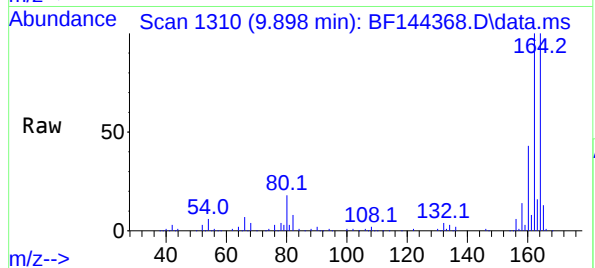
164 100

162 100.0 81.1 121.7

160 43.4 34.5 51.7

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025

#42

2,4,6-Tribromophenol

Concen: 62.047 ng

RT: 10.692 min Scan# 1445

Delta R.T. -0.012 min

Lab File: BF144368.D

Acq: 26 Nov 2025 18:42

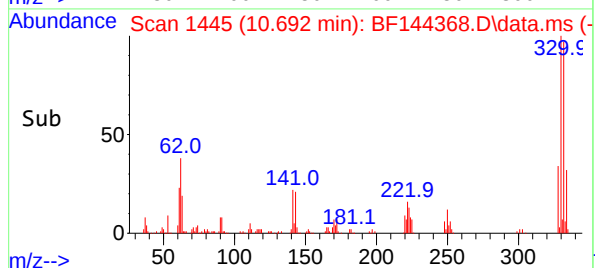
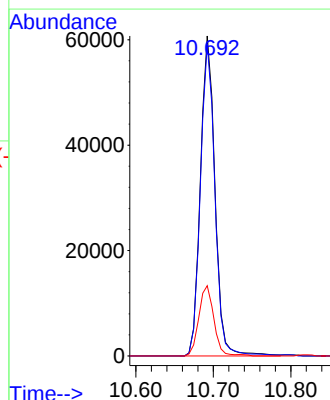
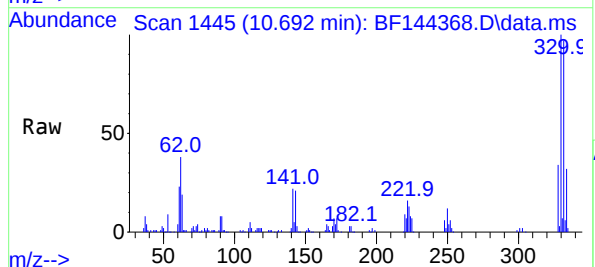
Tgt Ion:330 Resp: 79353

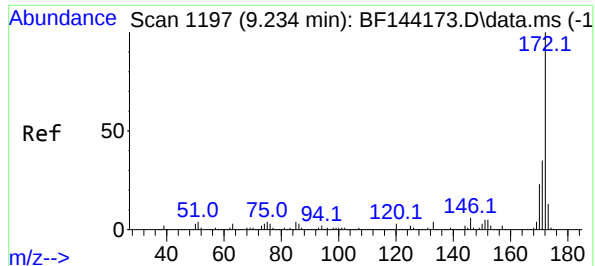
Ion Ratio Lower Upper

330 100

332 96.6 76.7 115.1

141 22.7 17.8 26.8





#45

2-Fluorobiphenyl

Concen: 53.587 ng

RT: 9.216 min Scan# 1194

Delta R.T. -0.012 min

Lab File: BF144368.D

Acq: 26 Nov 2025 18:42

Instrument :

BNA_F

ClientSampleId :

SB-1125-12B

Tgt Ion:172 Resp: 36977

Ion Ratio Lower Upper

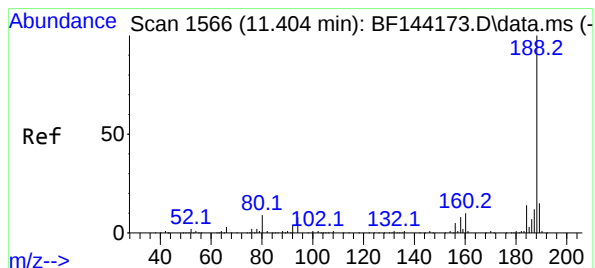
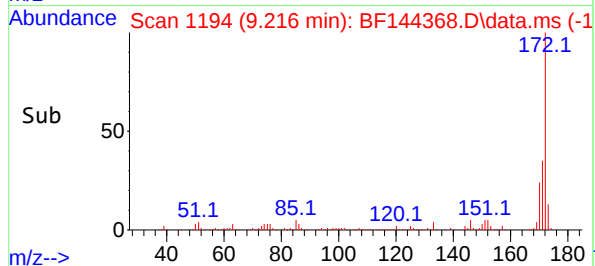
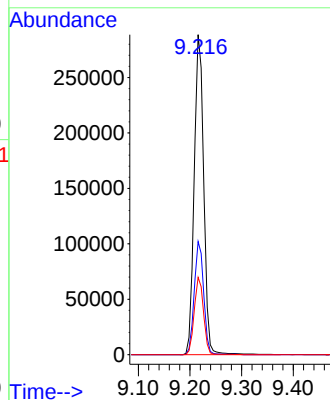
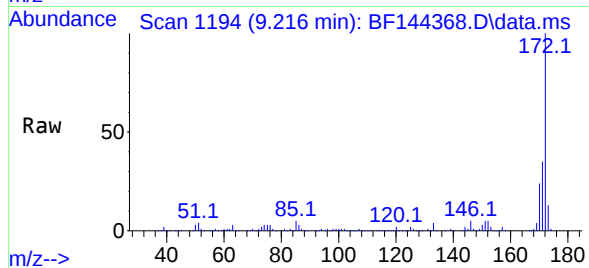
172 100

171 35.3 28.1 42.1

170 24.1 18.6 28.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025

#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.392 min Scan# 1564

Delta R.T. -0.012 min

Lab File: BF144368.D

Acq: 26 Nov 2025 18:42

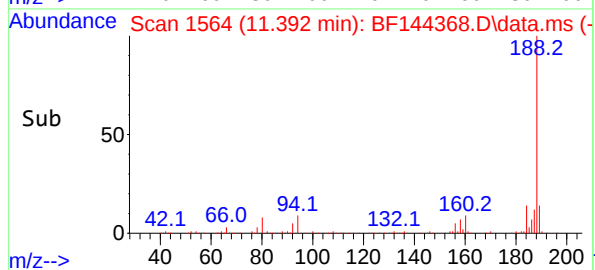
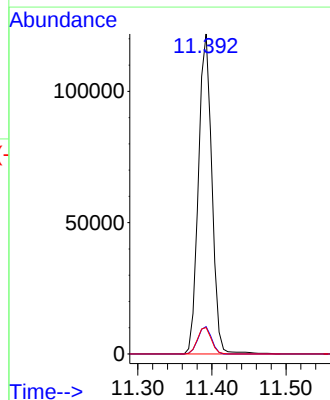
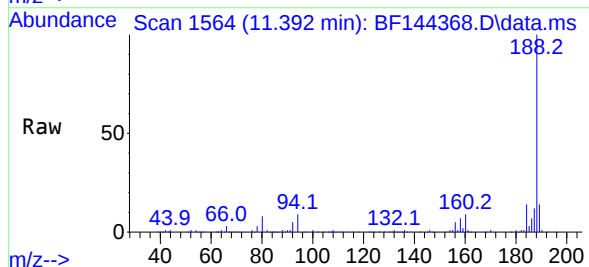
Tgt Ion:188 Resp: 153449

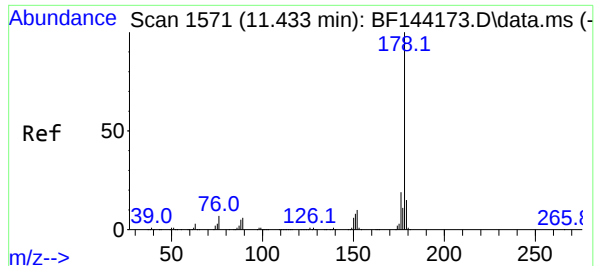
Ion Ratio Lower Upper

188 100

94 8.6 6.2 9.2

80 8.2 6.9 10.3





#71

Phenanthrene

Concen: 4.314 ng

RT: 11.416 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF144368.D

Acq: 26 Nov 2025 18:42

Instrument :

BNA_F

ClientSampleId :

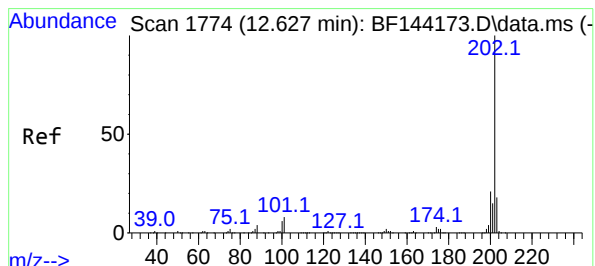
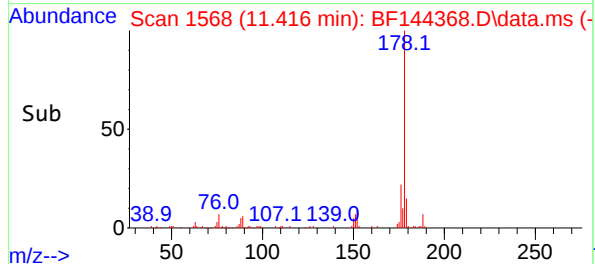
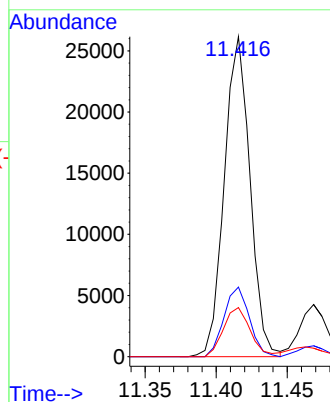
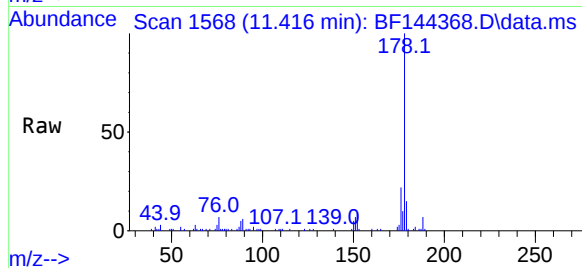
SB-1125-12B

Tgt Ion:178	Resp:	32950
Ion Ratio	Lower	Upper
178	100	
176	21.8	15.5 23.3
179	15.4	12.2 18.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
 Supervised By :mohammad ahmed 12/03/2025



#75

Fluoranthene

Concen: 6.813 ng

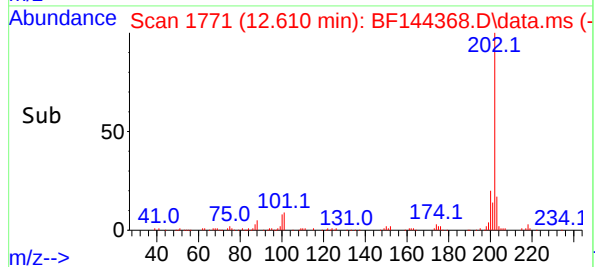
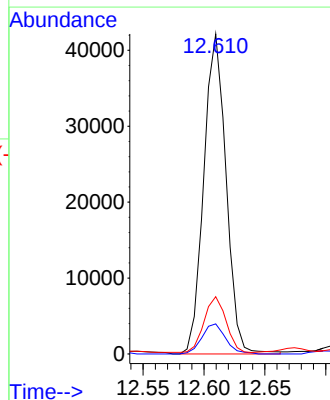
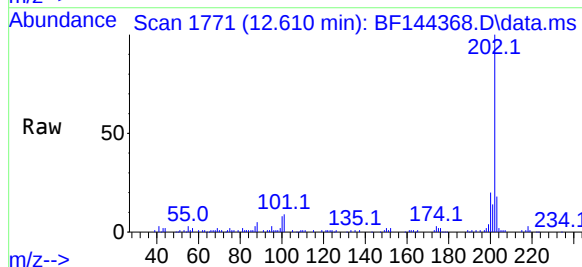
RT: 12.610 min Scan# 1771

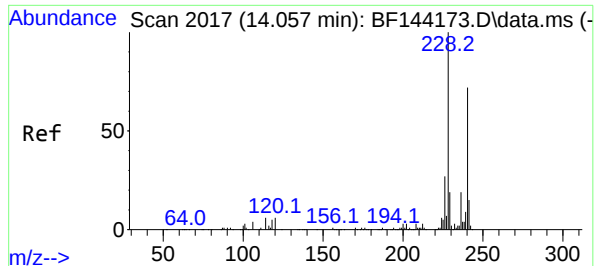
Delta R.T. -0.012 min

Lab File: BF144368.D

Acq: 26 Nov 2025 18:42

Tgt Ion:202	Resp:	53767
Ion Ratio	Lower	Upper
202	100	
101	9.4	0.0 27.9
203	17.9	0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.039 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF144368.D

Acq: 26 Nov 2025 18:42

Instrument :

BNA_F

ClientSampleId :

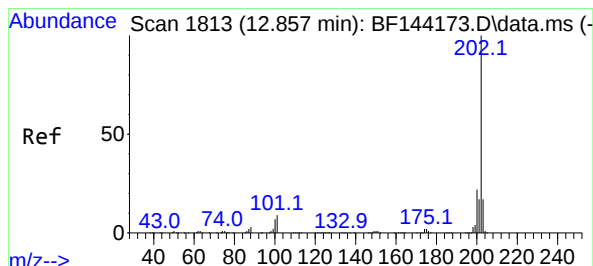
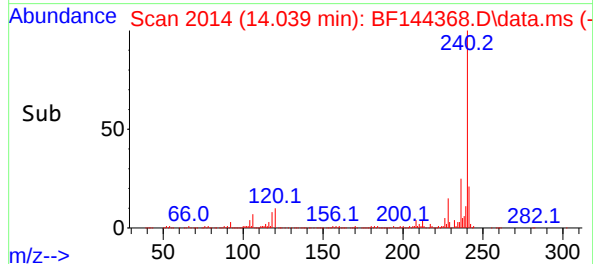
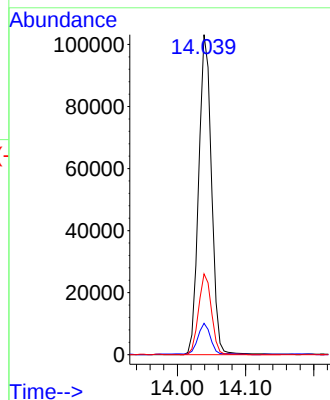
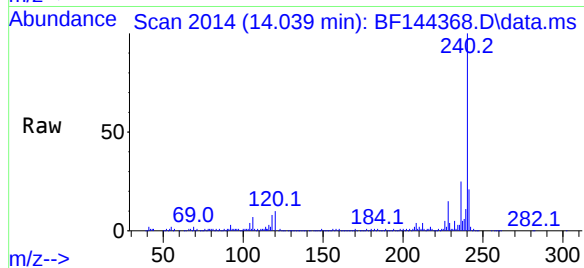
SB-1125-12B

Tgt Ion:240	Resp: 13424
Ion Ratio	Lower Upper
240	100
120	9.8 6.6 10.0
236	25.2 21.4 32.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025



#78

Pyrene

Concen: 4.341 ng

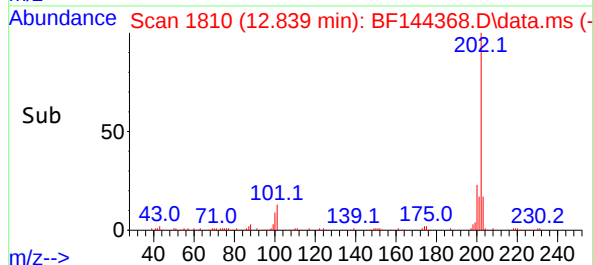
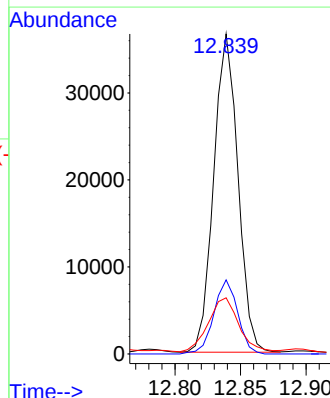
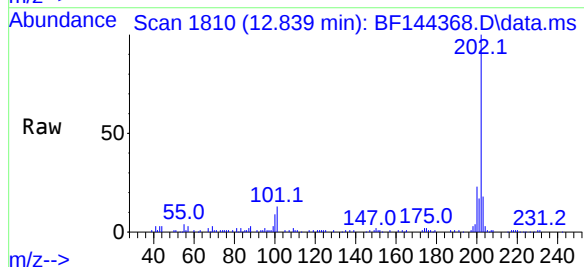
RT: 12.839 min Scan# 1810

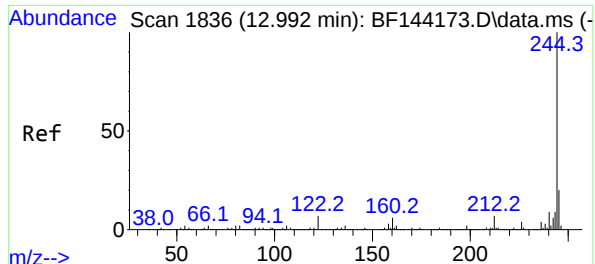
Delta R.T. -0.012 min

Lab File: BF144368.D

Acq: 26 Nov 2025 18:42

Tgt Ion:202	Resp: 46991
Ion Ratio	Lower Upper
202	100
200	23.1 17.2 25.8
203	17.6 13.7 20.5





#79

Terphenyl-d14

Concen: 33.173 ng

RT: 12.980 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF144368.D

Acq: 26 Nov 2025 18:42

Instrument :

BNA_F

ClientSampleId :

SB-1125-12B

Tgt Ion:244 Resp: 280360

Ion Ratio Lower Upper

244 100

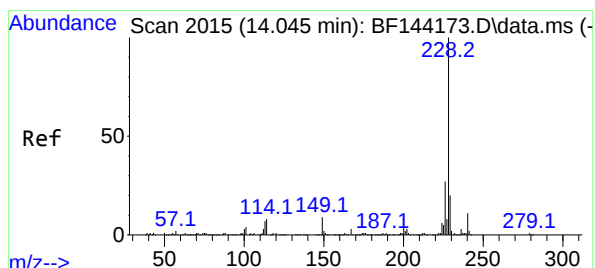
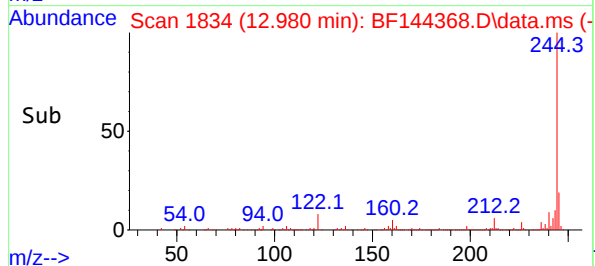
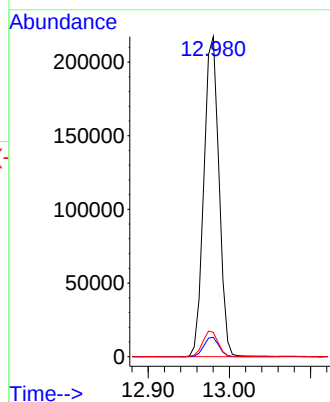
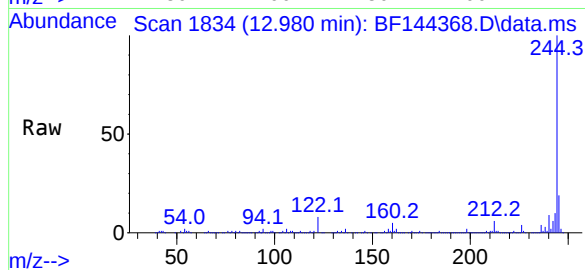
212 6.1 5.3 7.9

122 7.6 5.6 8.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
 Supervised By :mohammad ahmed 12/03/2025



#81

Benzo(a)anthracene

Concen: 3.851 ng

RT: 14.033 min Scan# 2013

Delta R.T. -0.012 min

Lab File: BF144368.D

Acq: 26 Nov 2025 18:42

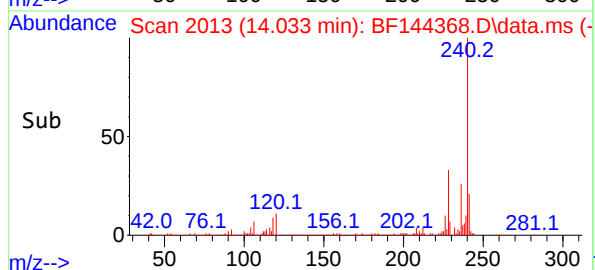
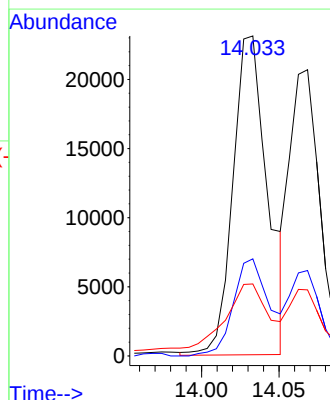
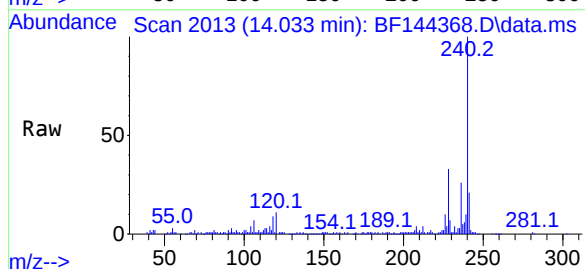
Tgt Ion:228 Resp: 35831

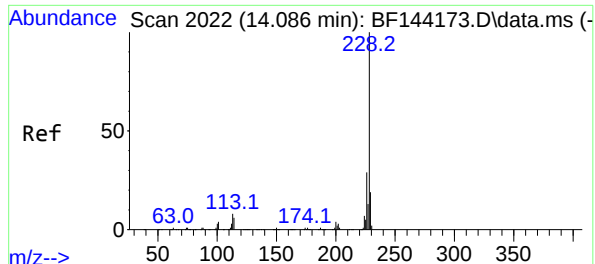
Ion Ratio Lower Upper

228 100

226 30.3 21.8 32.8

229 22.5 15.8 23.6





#83

Chrysene

Concen: 3.267 ng m

RT: 14.068 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF144368.D

Acq: 26 Nov 2025 18:42

Instrument :

BNA_F

ClientSampleId :

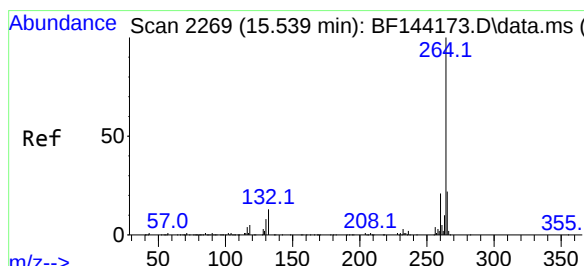
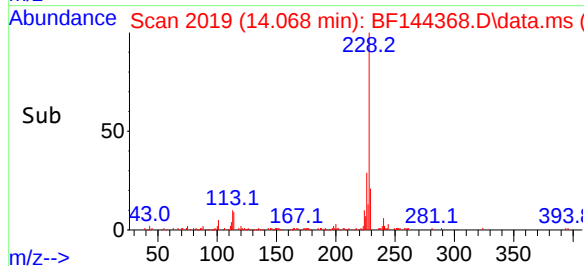
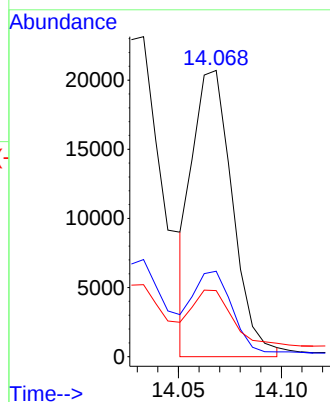
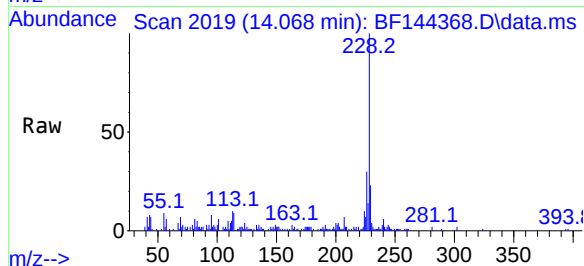
SB-1125-12B

Tgt Ion:	228	Resp:	2805
Ion Ratio	Lower	Upper	
228	100		
226	29.9	22.9	34.3
229	23.1	15.0	22.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
 Supervised By :mohammad ahmed 12/03/2025



#86

Perylene-d12

Concen: 20.000 ng

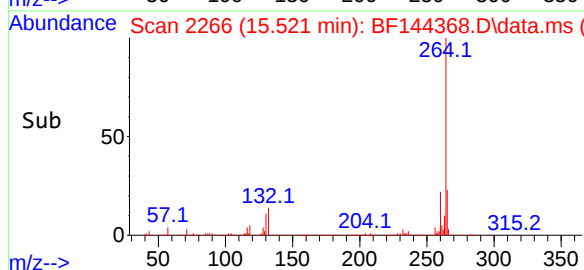
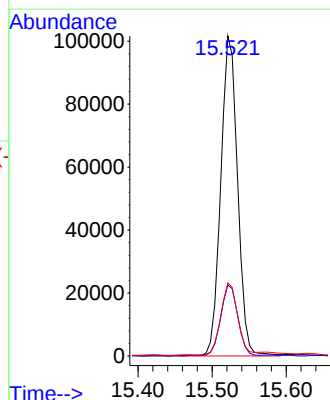
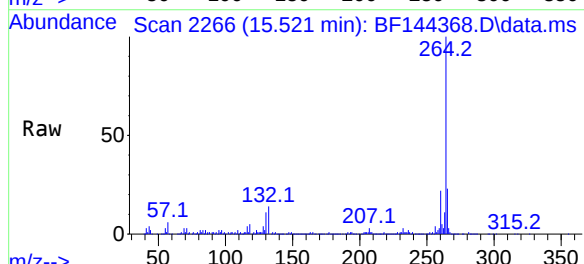
RT: 15.521 min Scan# 2266

Delta R.T. -0.018 min

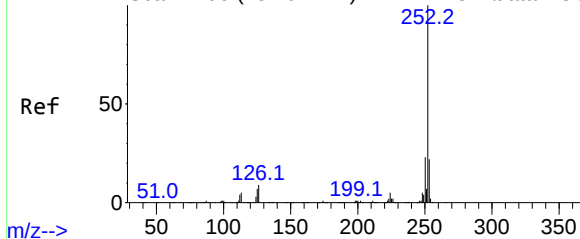
Lab File: BF144368.D

Acq: 26 Nov 2025 18:42

Tgt Ion:	264	Resp:	160199
Ion Ratio	Lower	Upper	
264	100		
260	22.2	17.1	25.7
265	22.9	17.4	26.0



Abundance Scan 2195 (15.104 min): BF144173.D\data.ms (-



#88

Benzo(b)fluoranthene

Concen: 4.220 ng m

RT: 15.092 min Scan# 2195

Delta R.T. -0.006 min

Lab File: BF144368.D

Acq: 26 Nov 2025 18:42

Instrument :

BNA_F

ClientSampleId :

SB-1125-12B

Tgt Ion:252 Resp: 3843

Ion Ratio Lower Upper

252 100

253 22.3 17.4 26.2

125 11.4 5.3 7.9

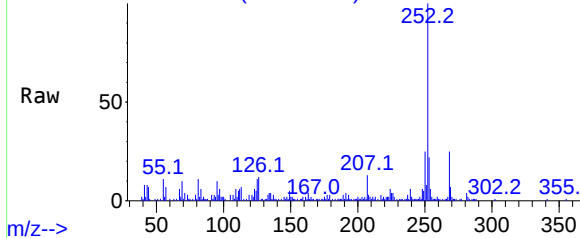
Manual Integrations

APPROVED

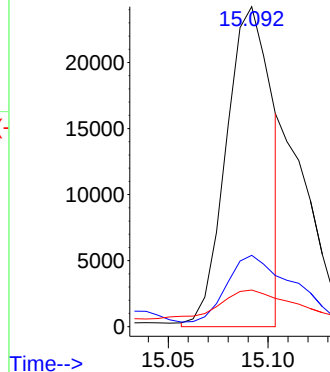
Reviewed By :Jagrut Upadhyay 12/02/2025

Supervised By :mohammad ahmed 12/03/2025

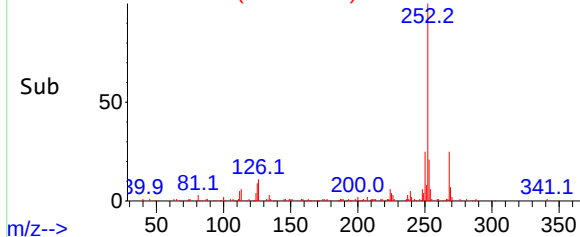
Abundance Scan 2193 (15.092 min): BF144368.D\data.ms



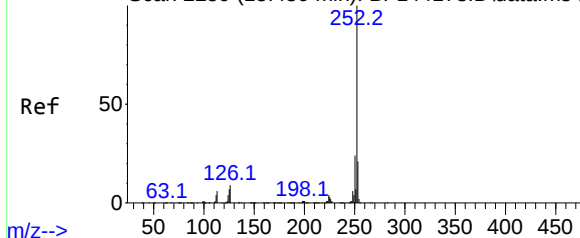
Abundance



Abundance Scan 2193 (15.092 min): BF144368.D\data.ms (-



Abundance Scan 2259 (15.480 min): BF144173.D\data.ms (-



#90

Benzo(a)pyrene

Concen: 3.236 ng

RT: 15.457 min Scan# 2255

Delta R.T. -0.018 min

Lab File: BF144368.D

Acq: 26 Nov 2025 18:42

Tgt Ion:252 Resp: 27191

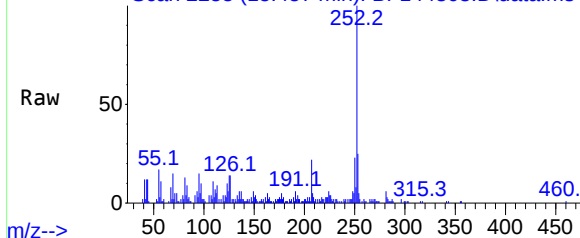
Ion Ratio Lower Upper

252 100

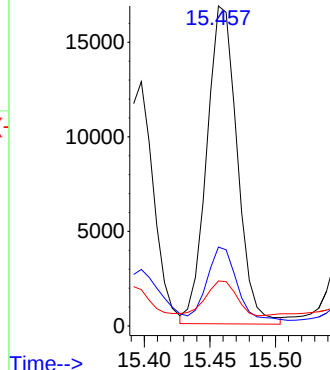
253 24.7 16.7 25.1

125 14.0 5.7 8.5

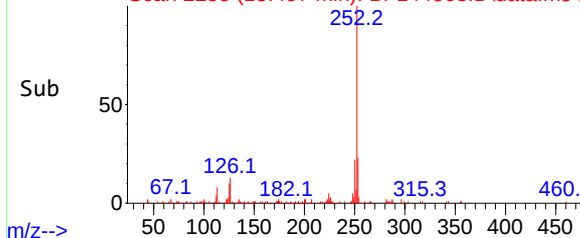
Abundance Scan 2255 (15.457 min): BF144368.D\data.ms



Abundance



Abundance Scan 2255 (15.457 min): BF144368.D\data.ms (-



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112625\
 Data File : BF144368.D
 Acq On : 26 Nov 2025 18:42
 Operator : RC/JU
 Sample : Q3719-06
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-1125-12B

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF144368.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.075	484	490	499	rBV	208610	304504	30.92%	3.416%
2	5.487	554	560	580	rVB	616888	862929	87.63%	9.681%
3	6.492	726	731	753	rVB	652158	885885	89.96%	9.938%
4	6.863	789	794	800	rVB	233761	300850	30.55%	3.375%
5	7.422	884	889	900	rBV	464910	603655	61.30%	6.772%
6	8.145	1002	1012	1029	rVB	295086	440009	44.68%	4.936%
7	8.857	1129	1133	1138	rBV	17214	21382	2.17%	0.240%
8	8.957	1140	1150	1158	rVB2	10201	17030	1.73%	0.191%
9	9.216	1189	1194	1203	rBV	786702	984760	100.00%	11.048%
10	9.557	1247	1252	1255	rBV	7971	11213	1.14%	0.126%
11	9.898	1303	1310	1315	rBV	325362	411487	41.79%	4.616%
12	10.104	1340	1345	1349	rBV2	8249	11300	1.15%	0.127%
13	10.616	1426	1432	1440	rBV	92270	126526	12.85%	1.419%
14	10.692	1440	1445	1450	rVV	403336	525078	53.32%	5.891%
15	10.727	1450	1451	1458	rVB2	15785	18609	1.89%	0.209%
16	10.804	1458	1464	1467	rBV5	7445	12376	1.26%	0.139%
17	10.922	1476	1484	1489	rBV2	14074	23973	2.43%	0.269%
18	11.127	1515	1519	1528	rBV9	4586	10554	1.07%	0.118%
19	11.392	1559	1564	1574	rBV2	281236	432713	43.94%	4.854%
20	11.621	1598	1603	1608	rBV5	8966	16977	1.72%	0.190%
21	11.916	1646	1653	1665	rBV3	173917	299672	30.43%	3.362%
22	12.004	1665	1668	1677	rVB2	19544	42897	4.36%	0.481%
23	12.086	1678	1682	1687	rBV6	7429	13344	1.36%	0.150%
24	12.221	1703	1705	1710	rVB4	7714	10326	1.05%	0.116%
25	12.445	1740	1743	1746	rBV	11075	12364	1.26%	0.139%
26	12.610	1766	1771	1776	rBV	98826	136869	13.90%	1.535%
27	12.704	1782	1787	1800	rVB2	50370	86410	8.77%	0.969%
28	12.839	1804	1810	1817	rBV	81274	125265	12.72%	1.405%
29	12.980	1828	1834	1841	rVB	519507	689603	70.03%	7.736%
30	13.168	1859	1866	1869	rBV3	16944	32270	3.28%	0.362%
31	13.274	1880	1884	1889	rVB	14895	23296	2.37%	0.261%
32	13.880	1983	1987	1998	rVB2	60944	120817	12.27%	1.355%
33	14.039	2008	2014	2028	rBV2	302784	511257	51.92%	5.736%
34	15.092	2189	2193	2199	rBV2	61476	118975	12.08%	1.335%
35	15.398	2242	2245	2251	rVB	30558	45215	4.59%	0.507%
36	15.457	2252	2255	2260	rVV	47575	78408	7.96%	0.880%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112625\
Data File : BF144368.D
Acq On : 26 Nov 2025 18:42
Operator : RC/JU
Sample : Q3719-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-1125-12B

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	15.521	2261	2266	2281	rVB	268879	487669	49.52%	5.471%
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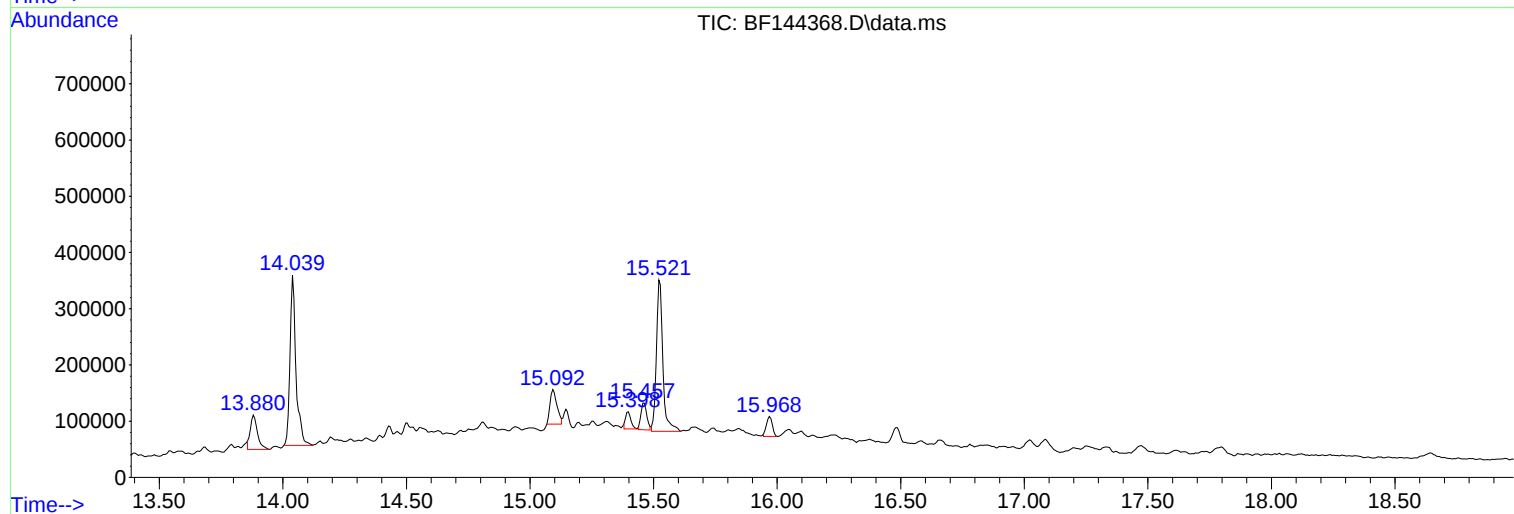
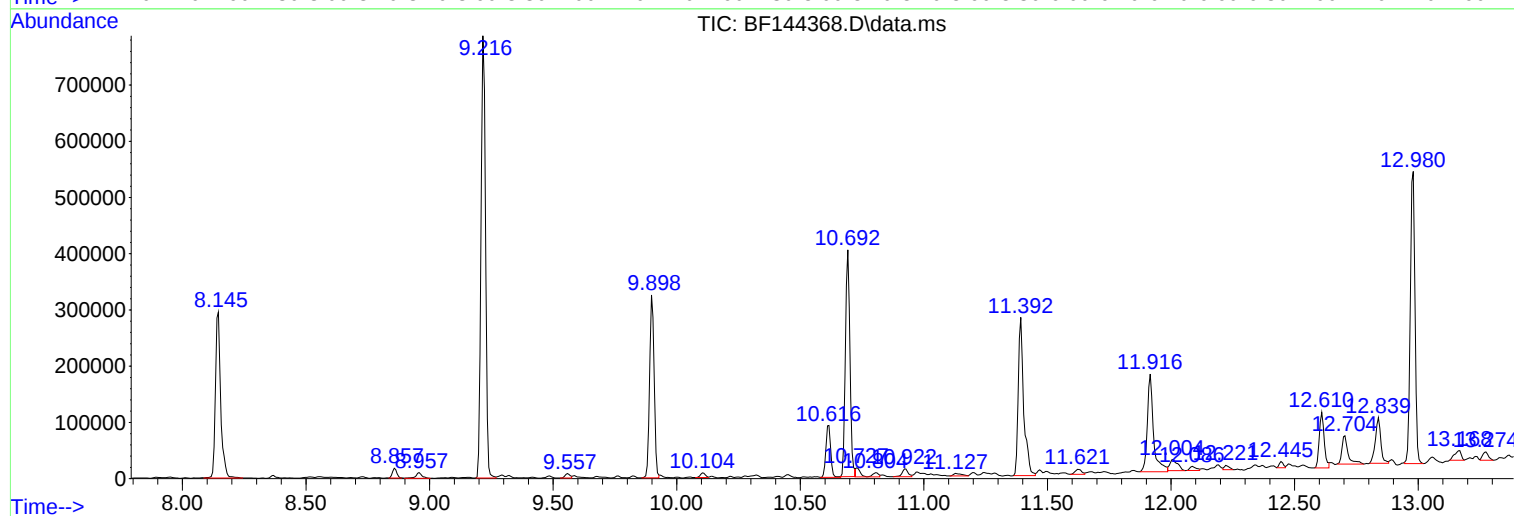
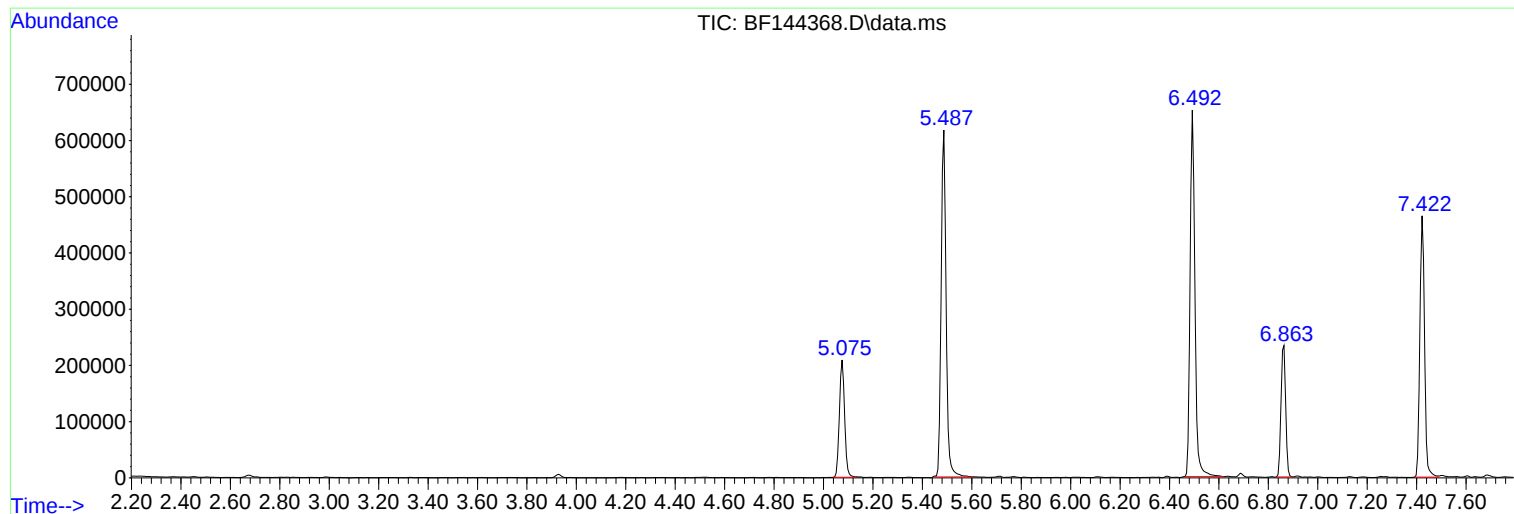
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Acq On : 26 Nov 2025 18:42
Operator : RC/JU
Sample : Q3719-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-1125-12B

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112625\
Data File : BF144368.D
Acq On : 26 Nov 2025 18:42
Operator : RC/JU
Sample : Q3719-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-1125-12B

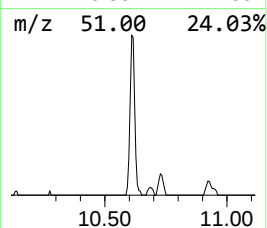
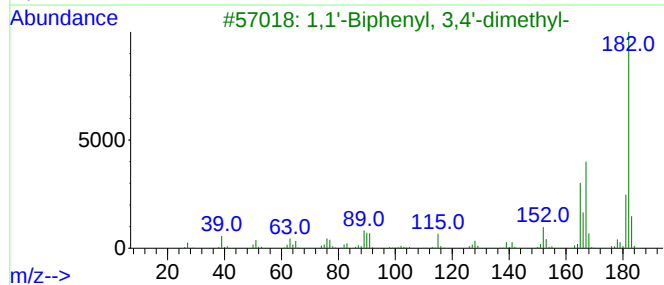
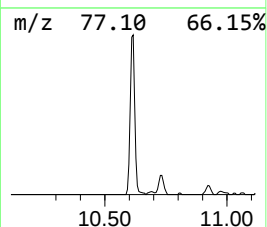
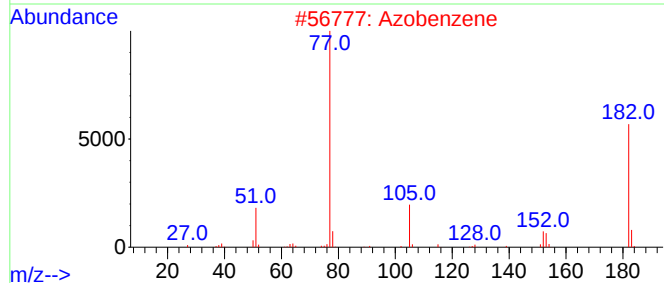
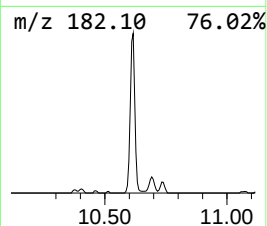
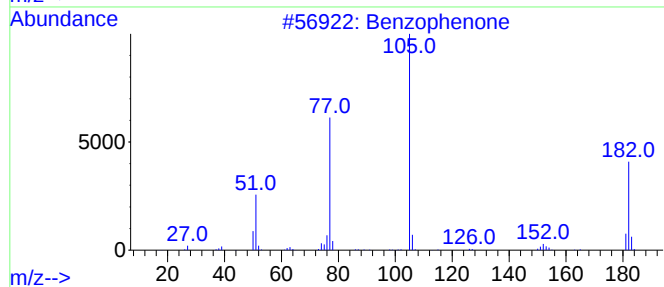
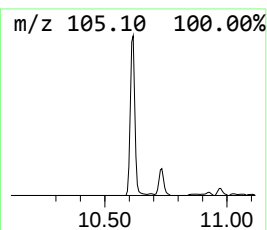
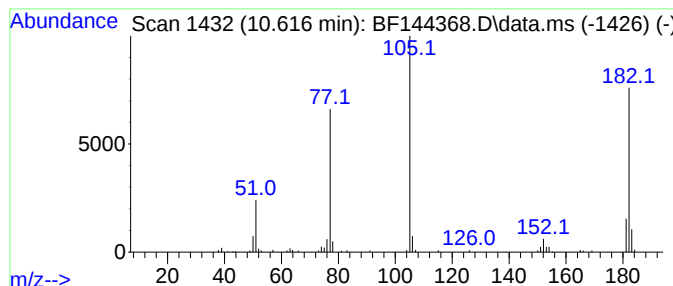
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Benzophenone Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.616	6.15 ng	126526	Acenaphthene-d10	9.898

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	96
2			Azobenzene	182	C12H10N2	000103-33-3	53
3			1,1'-Biphenyl, 3,4'-dimethyl-	182	C14H14	007383-90-6	46
4			3,3'-Dimethylbiphenyl	182	C14H14	000612-75-9	43
5			2,4,6-Trimethoxytoluene	182	C10H14O3	014107-97-2	43



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112625\
Data File : BF144368.D
Acq On : 26 Nov 2025 18:42
Operator : RC/JU
Sample : Q3719-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

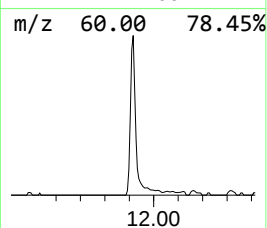
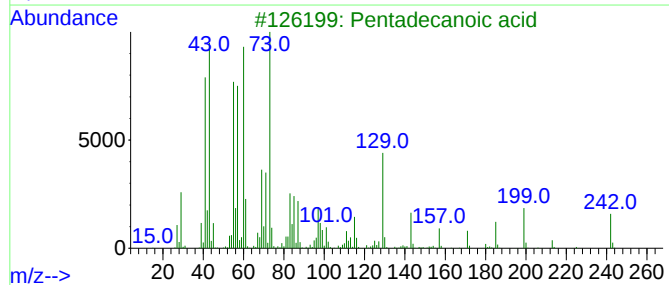
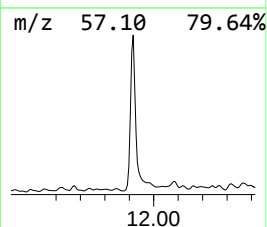
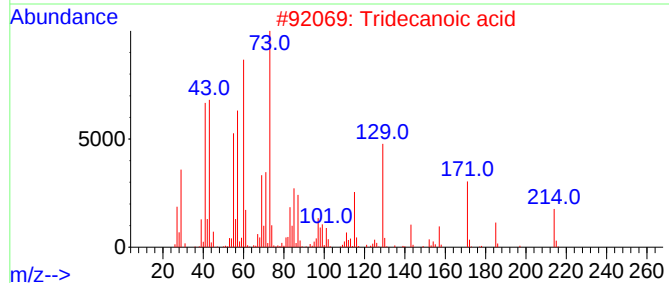
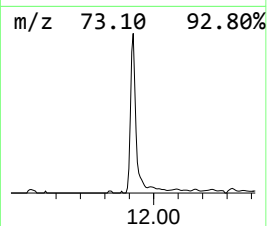
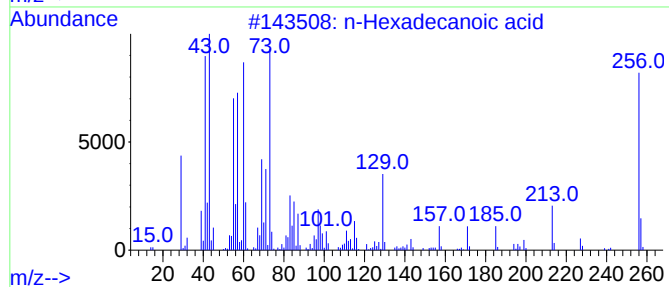
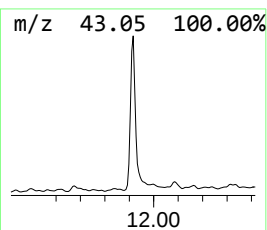
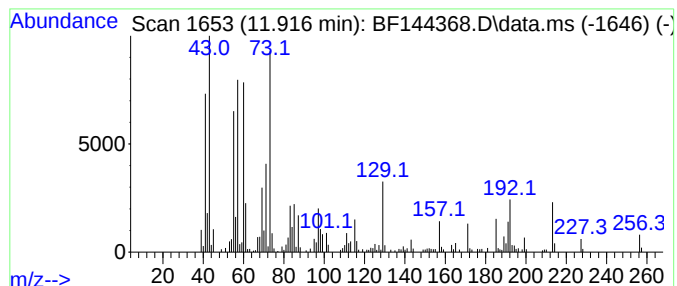
Instrument :
BNA_F
ClientSampleId :
SB-1125-12B

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.916	13.85 ng	299672	Phenanthrene-d10	11.392	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
2	Tridecanoic acid	214	C13H26O2	000638-53-9	93
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	76
4	Nonanoic acid	158	C9H18O2	000112-05-0	38
5	n-Butyl n-pentyl disulfide	192	C9H20S2	072437-52-6	25



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112625\
Data File : BF144368.D
Acq On : 26 Nov 2025 18:42
Operator : RC/JU
Sample : Q3719-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-1125-12B

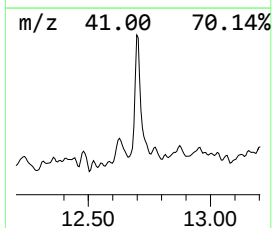
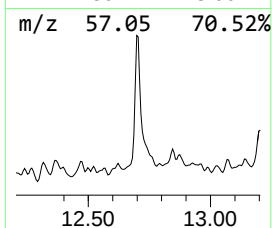
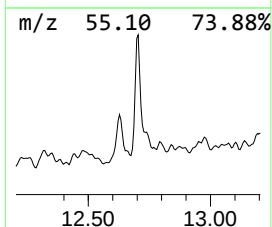
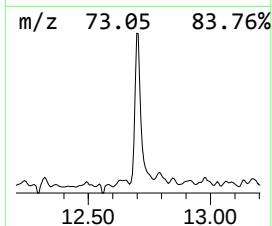
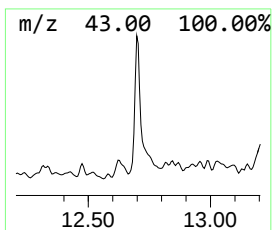
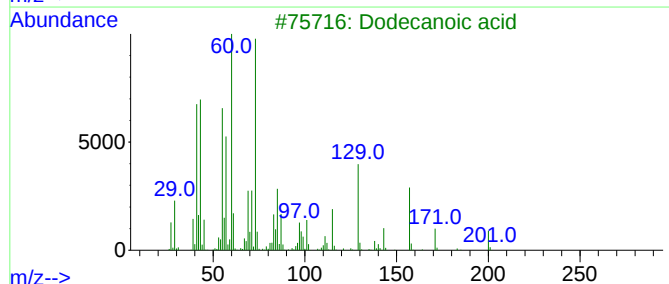
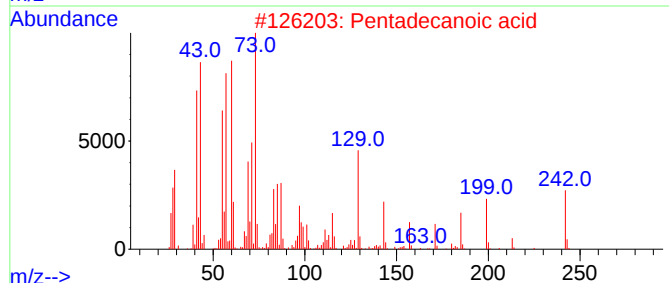
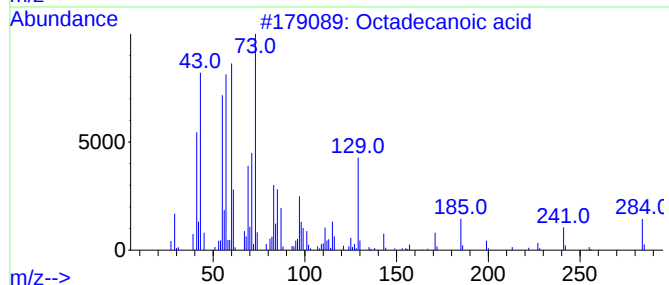
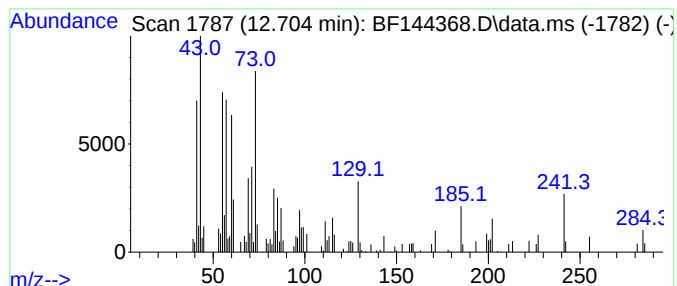
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Octadecanoic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.704	3.99 ng	86410	Phenanthrene-d10	11.392

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	93
3	Dodecanoic acid	200	C12H24O2	000143-07-7	70
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	58
5	Undecanoic acid	186	C11H22O2	000112-37-8	45



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112625\
Data File : BF144368.D
Acq On : 26 Nov 2025 18:42
Operator : RC/JU
Sample : Q3719-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-1125-12B

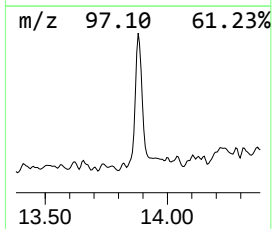
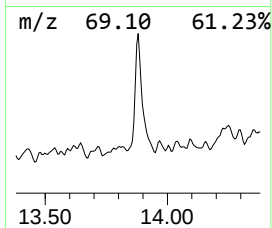
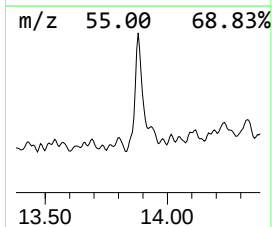
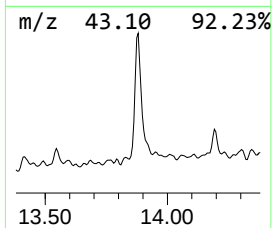
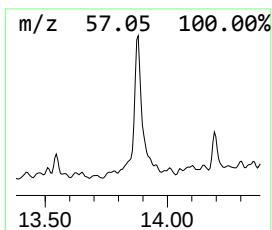
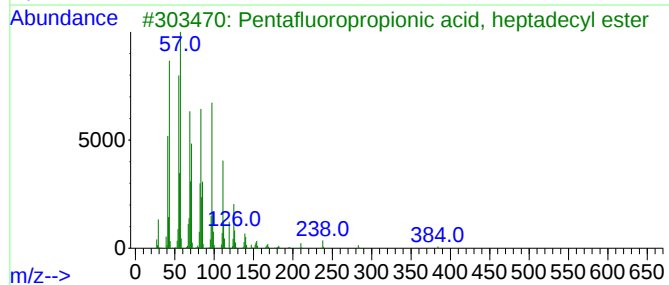
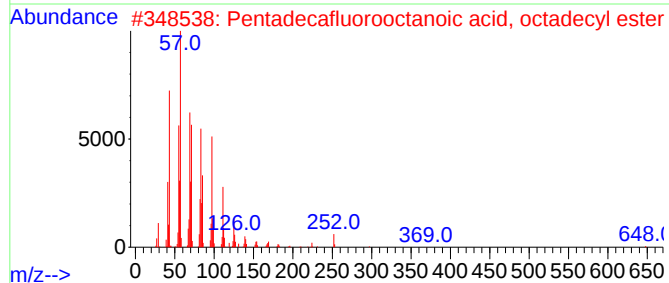
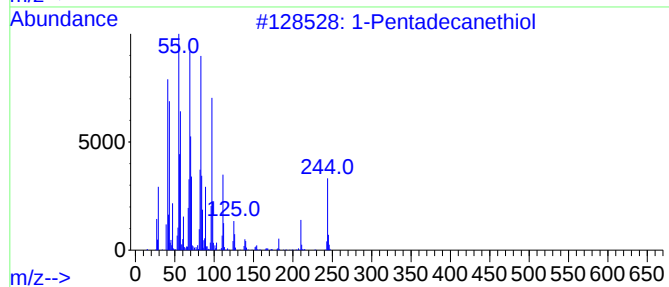
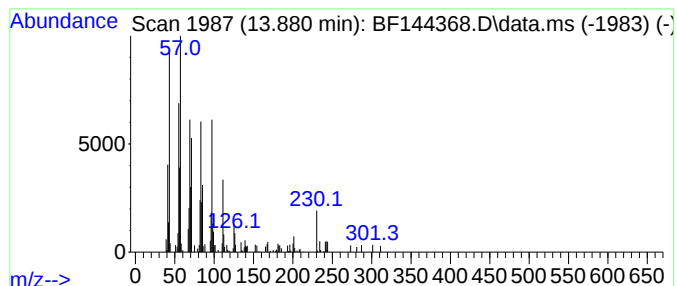
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 1-Pentadecanethiol Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.880	4.73 ng	120817	Chrysene-d12	14.039

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Pentadecanethiol	244	C15H32S	025276-70-4	93
2			Pentadecafluorooctanoic acid, oc...	666	C26H37F15O2	1000406-04-8	91
3			Pentafluoropropionic acid, hepta...	402	C20H35F5O2	959218-78-1	87
4			Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	81
5			Heptafluorobutyric acid, n-octad...	466	C22H37F7O2	000400-57-7	81



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112625\
Data File : BF144368.D
Acq On : 26 Nov 2025 18:42
Operator : RC/JU
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Misc :
ALS Vial : 12 Sample Multiplier: 1

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ClientSampleId :
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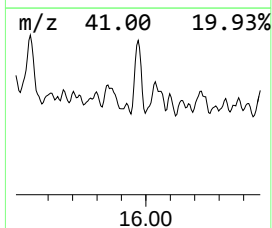
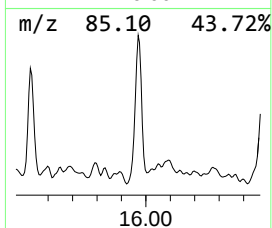
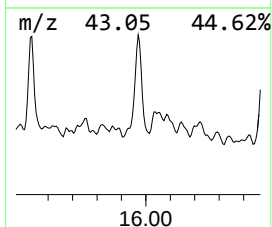
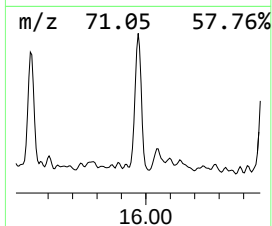
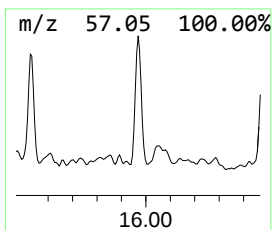
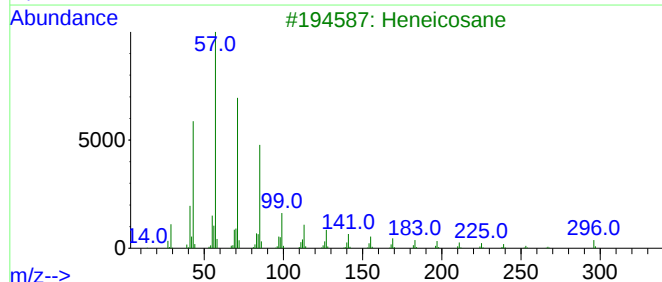
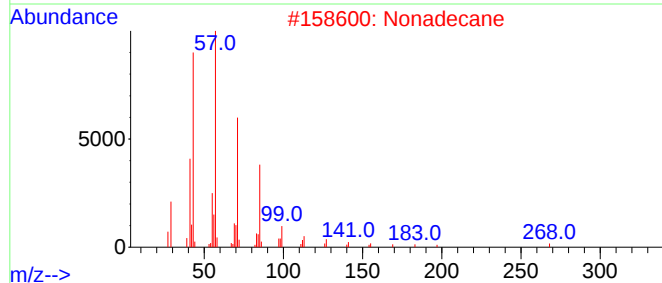
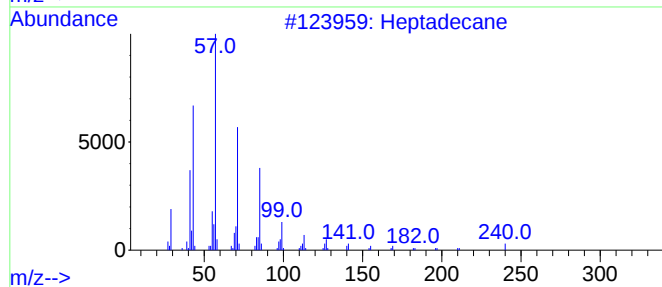
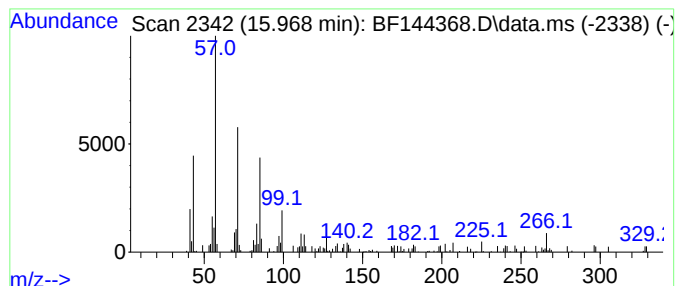
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 Heptadecane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.968	2.35 ng	57227	Perylene-d12	15.521

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptadecane	240	C17H36	000629-78-7	90
2			Nonadecane	268	C19H40	000629-92-5	81
3			Heneicosane	296	C21H44	000629-94-7	81
4			Octacosane	394	C28H58	000630-02-4	72
5			1-Iodoundecane	282	C11H23I	004282-44-4	72



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112625\
Data File : BF144368.D
Acq On : 26 Nov 2025 18:42
Operator : RC/JU
Sample : Q3719-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-1125-12B

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Benzophenone	10.616	6.2	ng	126526	3	9.898	411487	20.0
n-Hexadecanoic ...	11.916	13.9	ng	299672	4	11.392	432713	20.0
Octadecanoic acid	12.704	4.0	ng	86410	4	11.392	432713	20.0
1-Pentadecanethiol	13.880	4.7	ng	120817	5	14.039	511257	20.0
Heptadecane	15.968	2.4	ng	57227	6	15.521	487669	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112625\
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 Acq On : 26 Nov 2025 19:13
 Operator : RC/JU
 Sample : Q3719-07
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
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Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
 Supervised By :mohammad ahmed 12/03/2025

Quant Time: Nov 27 00:51:21 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 05 18:37:33 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	52766	20.000	ng	-0.01
21) Naphthalene-d8	8.145	136	194377	20.000	ng	-0.01
39) Acenaphthene-d10	9.898	164	98091	20.000	ng	-0.02
64) Phenanthrene-d10	11.392	188	144935	20.000	ng	-0.01
76) Chrysene-d12	14.039	240	134586	20.000	ng	#-0.01
86) Perylene-d12	15.521	264	161855	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	295138	87.529	ng	0.00
7) Phenol-d6	6.492	99	333098	87.184	ng	0.00
23) Nitrobenzene-d5	7.422	82	207671	61.705	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	89850	72.994	ng	-0.01
45) 2-Fluorobiphenyl	9.216	172	435721	65.606	ng	-0.01
79) Terphenyl-d14	12.980	244	382398	45.131	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.163	128	20787	2.248	ng	100
71) Phenanthrene	11.416	178	78496	10.878	ng	99
72) Anthracene	11.469	178	18041	2.459	ng	96
75) Fluoranthene	12.610	202	143573	19.261	ng	97
78) Pyrene	12.839	202	135354	12.473	ng	98
81) Benzo(a)anthracene	14.033	228	113906	12.211	ng	94
83) Chrysene	14.068	228	87408	10.151	ng	94
87) Indeno(1,2,3-cd)pyrene	17.015	276	42163	3.629	ng	97
88) Benzo(b)fluoranthene	15.092	252	125081m	13.593	ng	
89) Benzo(k)fluoranthene	15.104	252	54031m	6.273	ng	
90) Benzo(a)pyrene	15.457	252	95993	11.308	ng	# 97
92) Benzo(g,h,i)perylene	17.474	276	36903	4.005	ng	# 96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

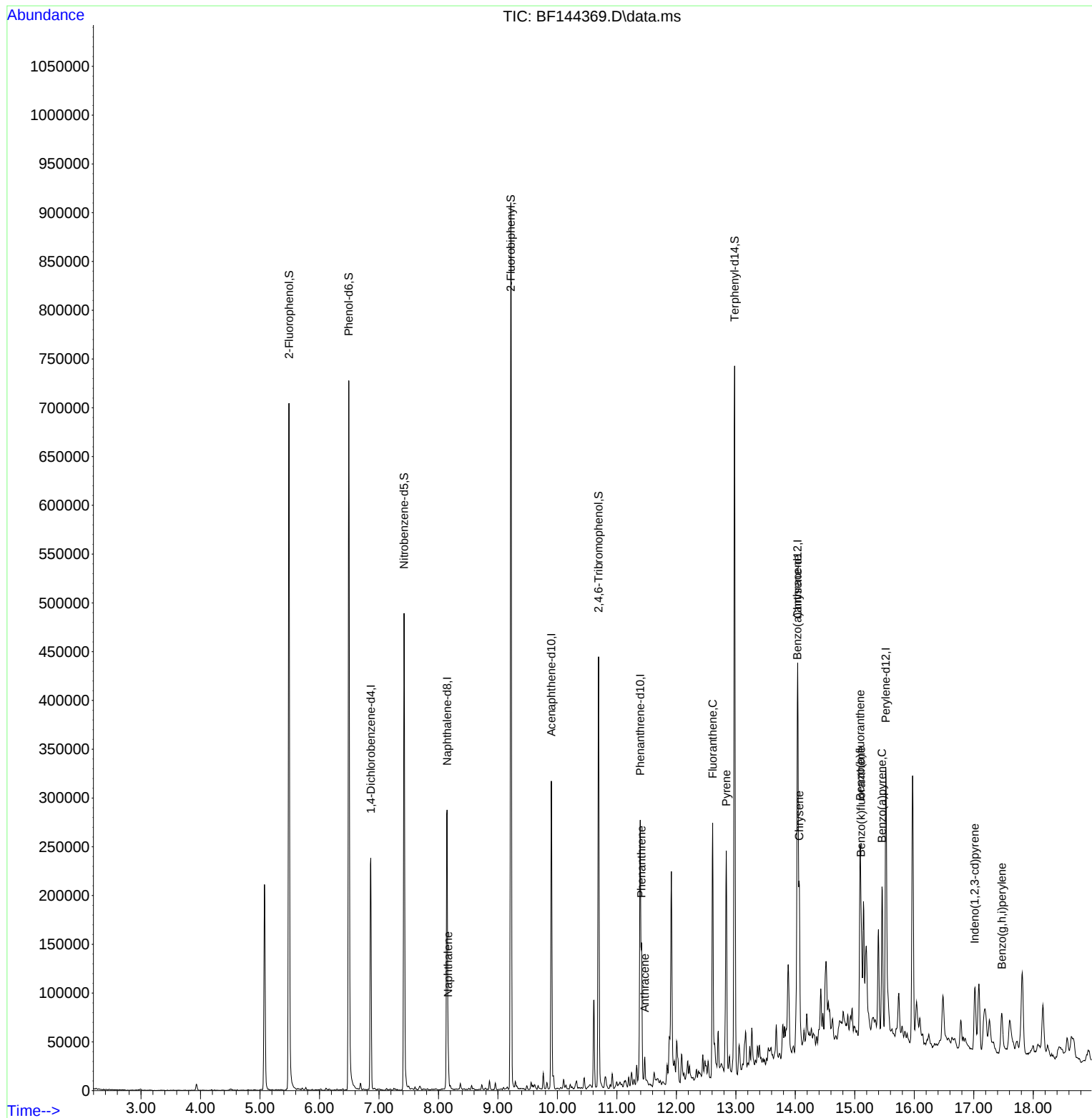
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112625\
Data File : BF144369.D
Acq On : 26 Nov 2025 19:13
Operator : RC/JU
Sample : Q3719-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-1125-14A

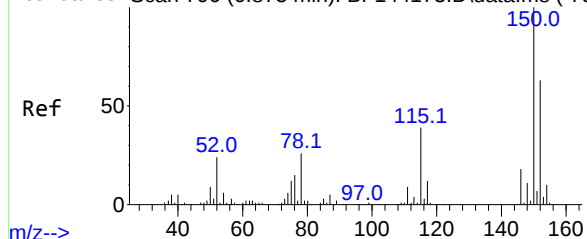
Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025

Quant Time: Nov 27 00:51:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 18:37:33 2025
Response via : Initial Calibration



Abundance Scan 796 (6.875 min): BF144173.D\data.ms (-79



#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.863 min Scan# 796

Delta R.T. -0.012 min

Lab File: BF144369.D

Acq: 26 Nov 2025 19:13

Instrument :

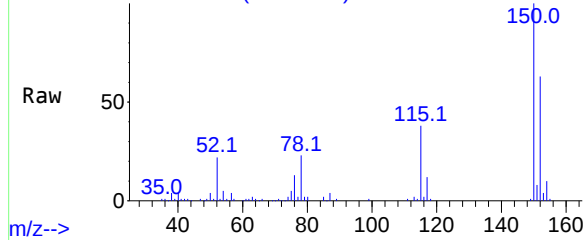
BNA_F

ClientSampleId :

SB-1125-14A

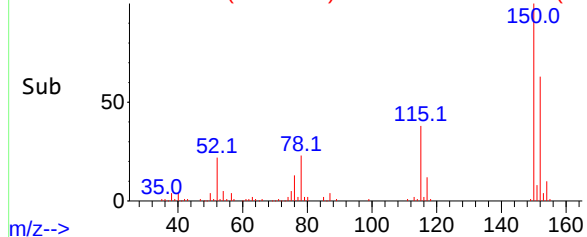
m/z-->

Abundance Scan 794 (6.863 min): BF144369.D\data.ms



m/z-->

Abundance Scan 794 (6.863 min): BF144369.D\data.ms (-77



m/z-->

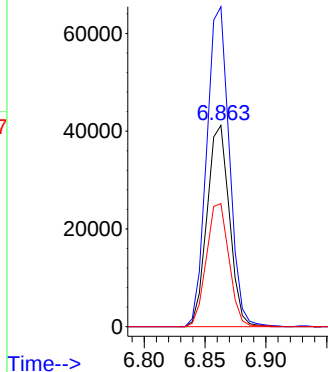
Tgt Ion:152 Resp: 52760
 Ion Ratio Lower Upper
 152 100
 150 159.0 127.4 191.0
 115 61.1 49.5 74.3

Manual Integrations

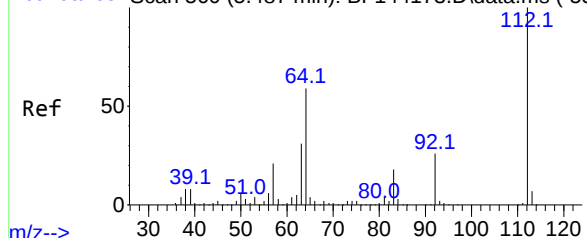
APPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
 Supervised By :mohammad ahmed 12/03/2025

Abundance

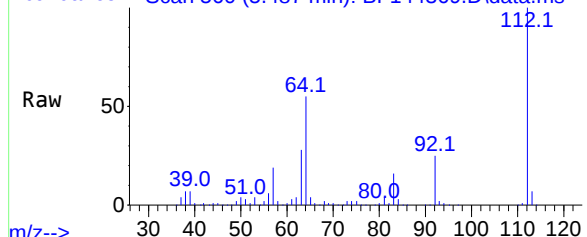


Abundance Scan 560 (5.487 min): BF144173.D\data.ms (-55



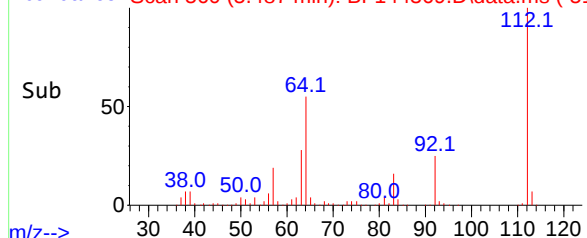
m/z-->

Abundance Scan 560 (5.487 min): BF144369.D\data.ms



m/z-->

Abundance Scan 560 (5.487 min): BF144369.D\data.ms (-51



m/z-->

#5

2-Fluorophenol

Concen: 87.529 ng

RT: 5.487 min Scan# 560

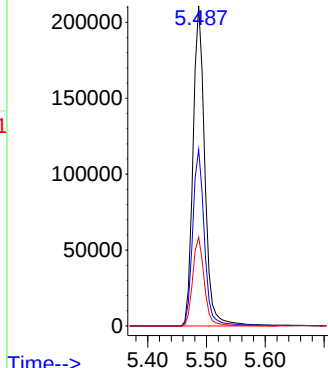
Delta R.T. -0.006 min

Lab File: BF144369.D

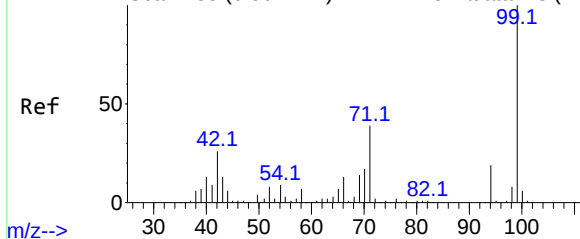
Acq: 26 Nov 2025 19:13

Tgt Ion:112 Resp: 295138
 Ion Ratio Lower Upper
 112 100
 64 55.1 47.2 70.8
 63 27.7 24.4 36.6

Abundance



Abundance Scan 733 (6.504 min): BF144173.D\data.ms (-72



#7

Phenol-d6

Concen: 87.184 ng

RT: 6.492 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF144369.D

Acq: 26 Nov 2025 19:13

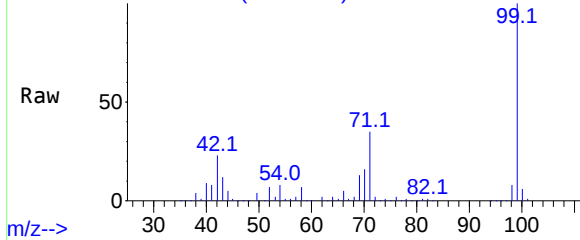
Instrument :

BNA_F

ClientSampleId :

SB-1125-14A

Abundance Scan 731 (6.492 min): BF144369.D\data.ms



Tgt Ion: 99 Resp: 333098

Ion Ratio Lower Upper

99 100

42 23.2 20.9 31.3

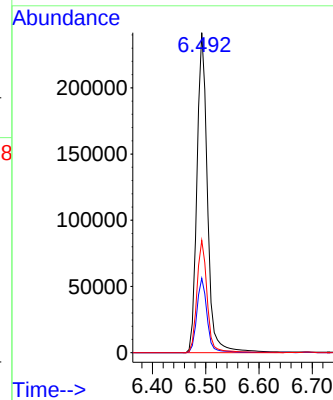
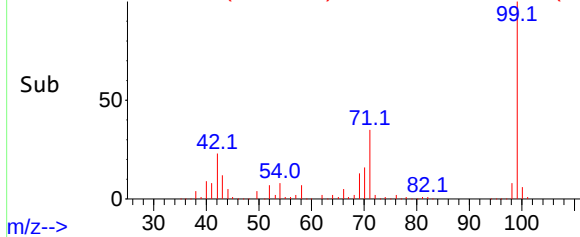
71 35.1 31.4 47.2

Manual Integrations

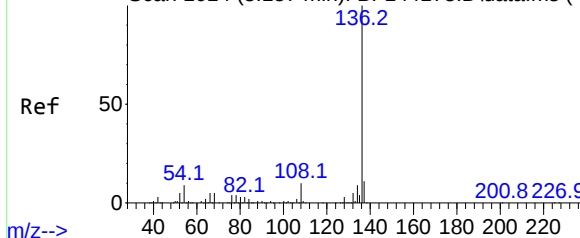
APPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025

Abundance Scan 731 (6.492 min): BF144369.D\data.ms (-68



Abundance Scan 1014 (8.157 min): BF144173.D\data.ms (-1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.145 min Scan# 1012

Delta R.T. -0.012 min

Lab File: BF144369.D

Acq: 26 Nov 2025 19:13

Tgt Ion:136 Resp: 194377

Ion Ratio Lower Upper

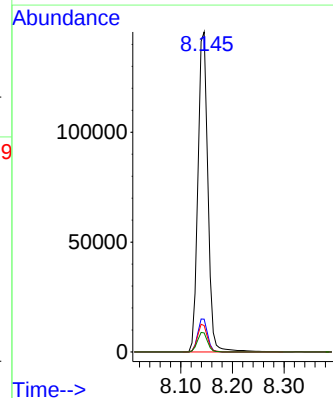
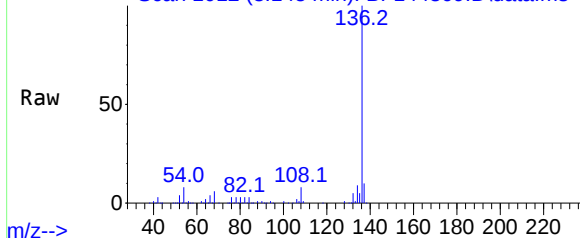
136 100

137 10.2 8.6 13.0

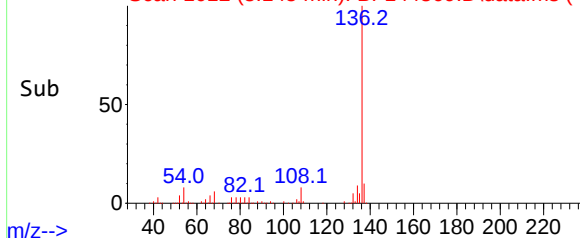
54 8.3 7.0 10.6

68 5.9 4.3 6.5

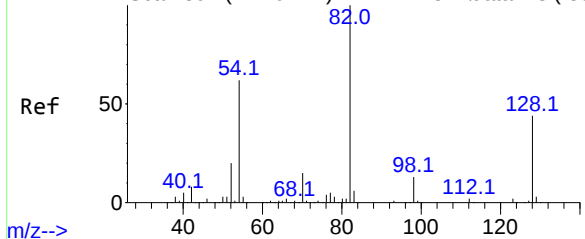
Abundance Scan 1012 (8.145 min): BF144369.D\data.ms



Abundance Scan 1012 (8.145 min): BF144369.D\data.ms (-9



Abundance Scan 892 (7.440 min): BF144173.D\data.ms (-88



#23

Nitrobenzene-d5

Concen: 61.705 ng

RT: 7.422 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF144369.D

Acq: 26 Nov 2025 19:13

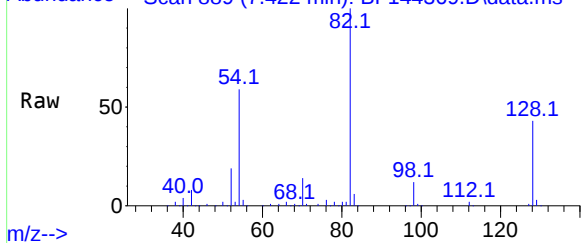
Instrument :

BNA_F

ClientSampleId :

SB-1125-14A

Abundance Scan 889 (7.422 min): BF144369.D\data.ms



Tgt Ion: 82 Resp: 20767

Ion Ratio Lower Upper

82 100

128 43.0 34.7 52.1

54 59.3 49.5 74.3

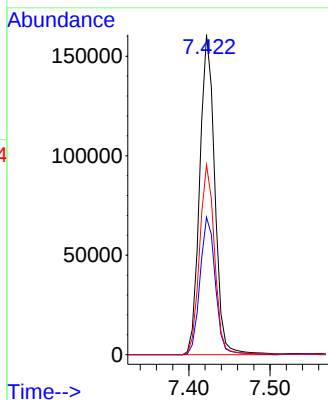
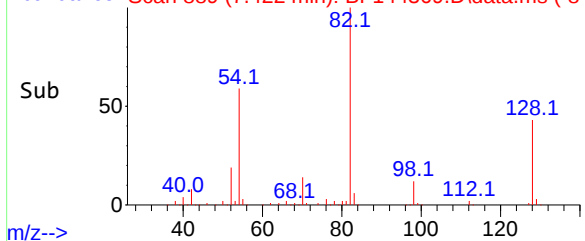
Manual Integrations

APPROVED

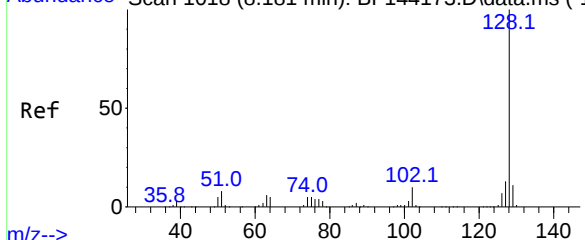
Reviewed By :Jagrut Upadhyay 12/02/2025

Supervised By :mohammad ahmed 12/03/2025

Abundance Scan 889 (7.422 min): BF144369.D\data.ms (-84



Abundance Scan 1018 (8.181 min): BF144173.D\data.ms (-1



#31

Naphthalene

Concen: 2.248 ng

RT: 8.163 min Scan# 1015

Delta R.T. -0.012 min

Lab File: BF144369.D

Acq: 26 Nov 2025 19:13

Tgt Ion:128 Resp: 20787

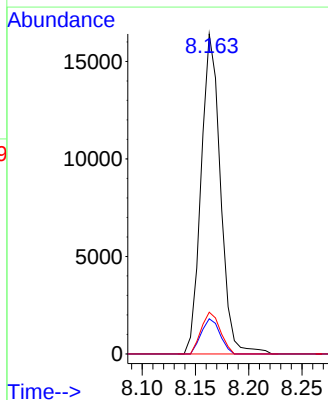
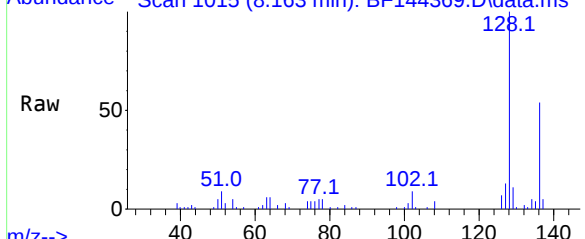
Ion Ratio Lower Upper

128 100

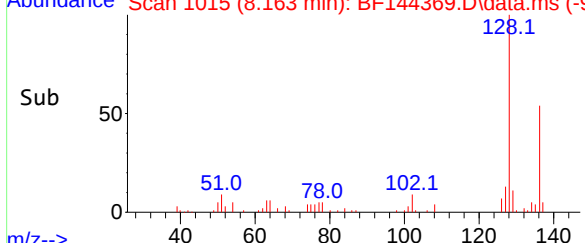
129 11.0 8.9 13.3

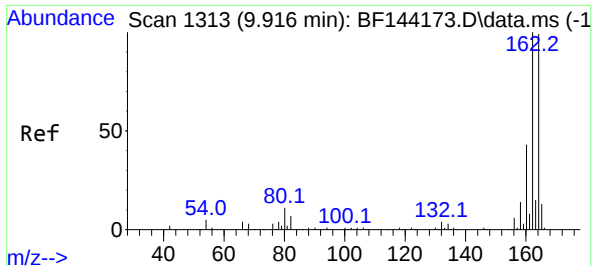
127 13.1 10.3 15.5

Abundance Scan 1015 (8.163 min): BF144369.D\data.ms



Abundance Scan 1015 (8.163 min): BF144369.D\data.ms (-9





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.898 min Scan# 11

Delta R.T. -0.018 min

Lab File: BF144369.D

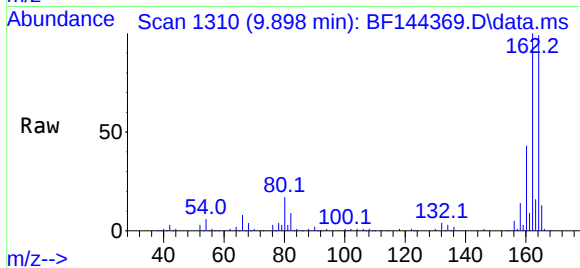
Acq: 26 Nov 2025 19:13

Instrument :

BNA_F

ClientSampleId :

SB-1125-14A



Tgt Ion:164 Resp: 9809

Ion Ratio Lower Upper

164 100

162 100.9 81.1 121.7

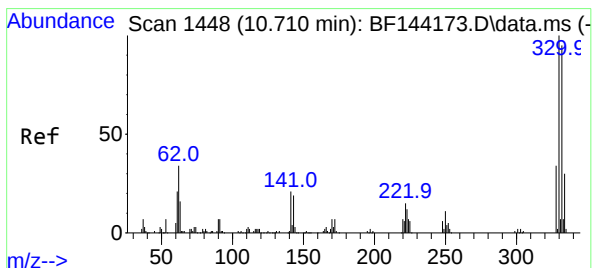
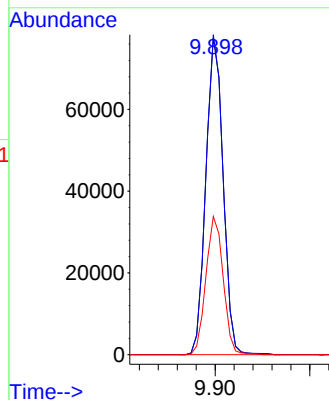
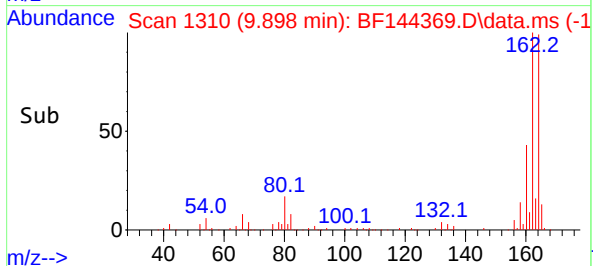
160 43.6 34.5 51.7

Manual Integrations

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Reviewed By :Jagrut Upadhyay 12/02/2025

Supervised By :mohammad ahmed 12/03/2025



#42

2,4,6-Tribromophenol

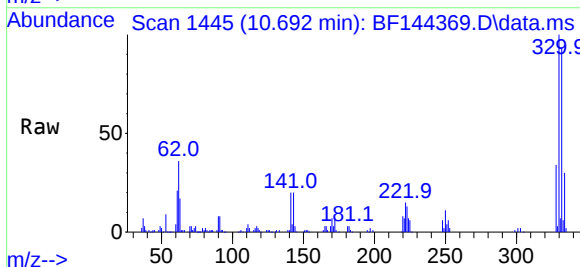
Concen: 72.994 ng

RT: 10.692 min Scan# 1445

Delta R.T. -0.012 min

Lab File: BF144369.D

Acq: 26 Nov 2025 19:13



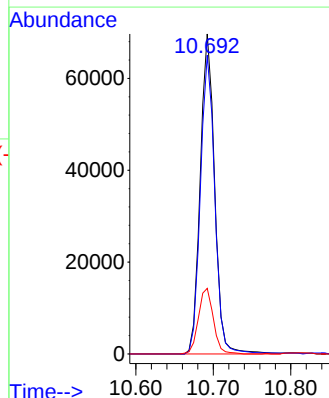
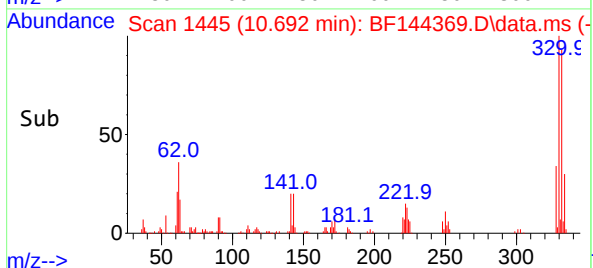
Tgt Ion:330 Resp: 89850

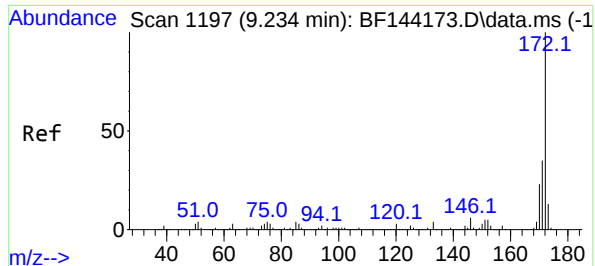
Ion Ratio Lower Upper

330 100

332 93.4 76.7 115.1

141 21.3 17.8 26.8





#45

2-Fluorobiphenyl

Concen: 65.606 ng

RT: 9.216 min Scan# 1197

Delta R.T. -0.012 min

Lab File: BF144369.D

Acq: 26 Nov 2025 19:13

Instrument :

BNA_F

ClientSampleId :

SB-1125-14A

Tgt Ion:172 Resp: 43572

Ion Ratio Lower Upper

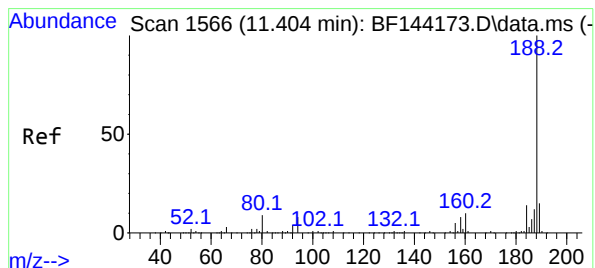
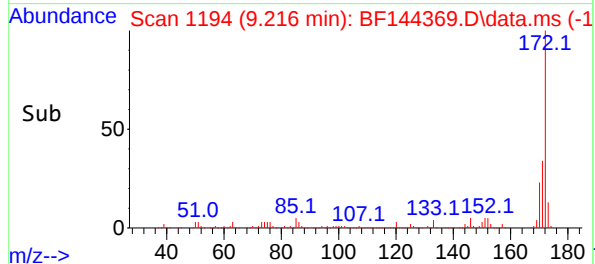
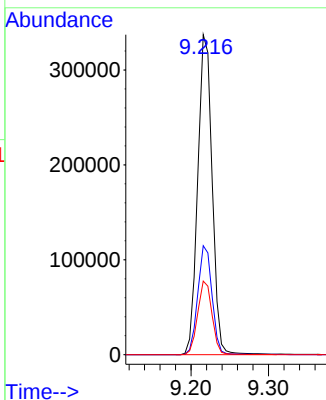
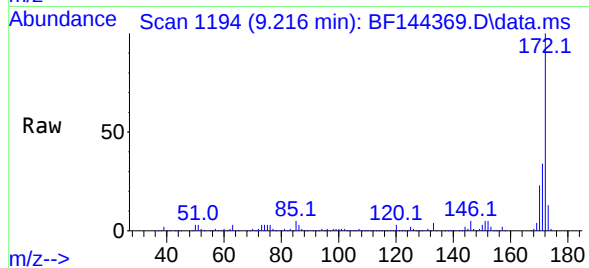
172 100

171 34.0 28.1 42.1

170 23.0 18.6 28.0

Manual Integrations

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Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025

#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.392 min Scan# 1564

Delta R.T. -0.012 min

Lab File: BF144369.D

Acq: 26 Nov 2025 19:13

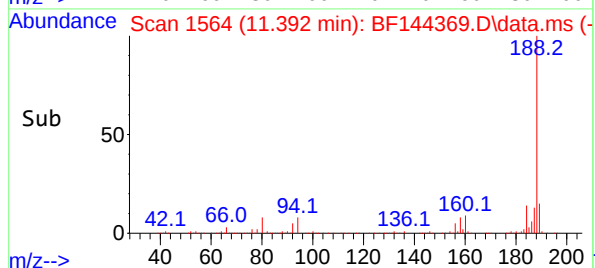
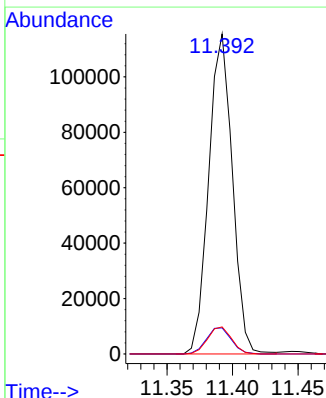
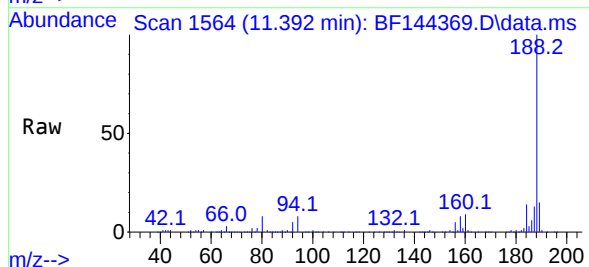
Tgt Ion:188 Resp: 144935

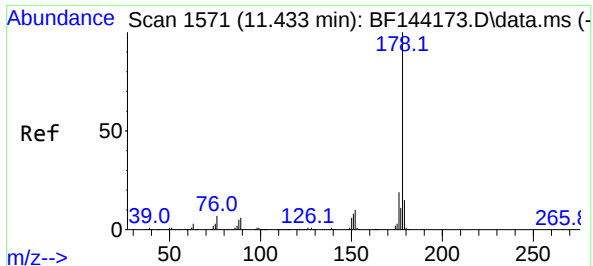
Ion Ratio Lower Upper

188 100

94 8.1 6.2 9.2

80 8.4 6.9 10.3





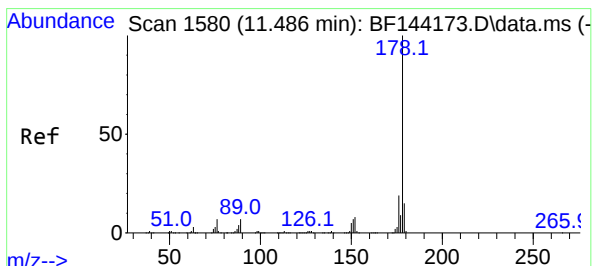
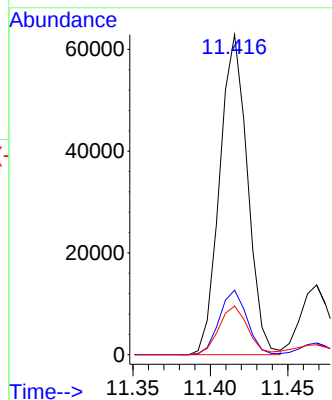
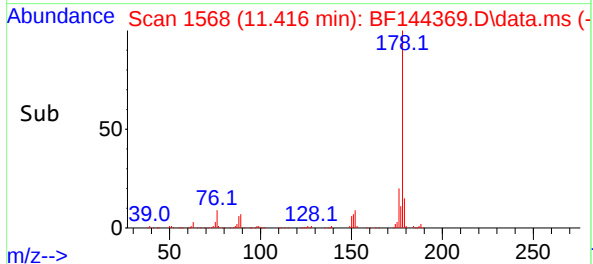
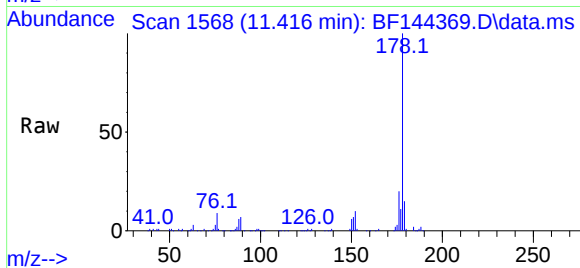
#71
Phenanthrene
Concen: 10.878 ng
RT: 11.416 min Scan# 1149
Delta R.T. -0.012 min
Lab File: BF144369.D
Acq: 26 Nov 2025 19:13

Instrument :
BNA_F
ClientSampleId :
SB-1125-14A

Tgt Ion:178 Resp: 78490
Ion Ratio Lower Upper
178 100
176 20.1 15.5 23.3
179 15.2 12.2 18.4

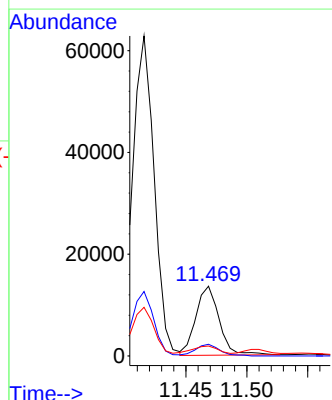
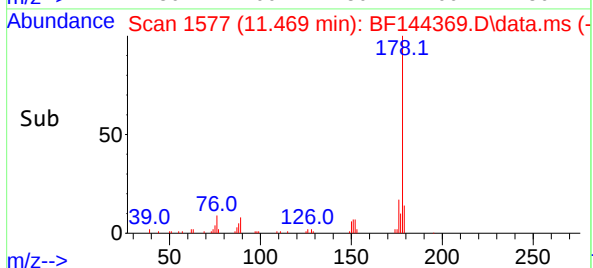
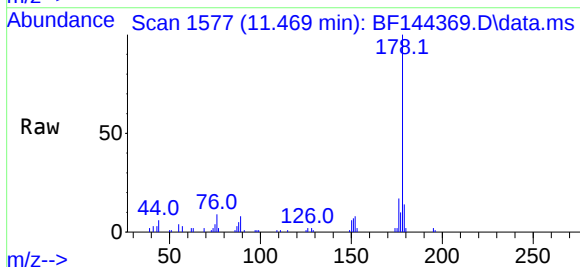
Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025

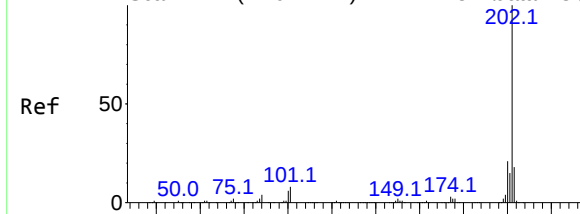


#72
Anthracene
Concen: 2.459 ng
RT: 11.469 min Scan# 1577
Delta R.T. -0.012 min
Lab File: BF144369.D
Acq: 26 Nov 2025 19:13

Tgt Ion:178 Resp: 18041
Ion Ratio Lower Upper
178 100
176 16.8 15.3 22.9
179 14.2 12.0 18.0



Abundance Scan 1774 (12.627 min): BF144173.D\data.ms (-



#75

Fluoranthene

Concen: 19.261 ng

RT: 12.610 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF144369.D

Acq: 26 Nov 2025 19:13

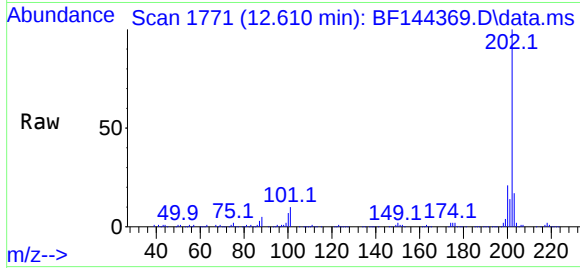
Instrument :

BNA_F

ClientSampleId :

SB-1125-14A

Abundance Scan 1771 (12.610 min): BF144369.D\data.ms



Tgt Ion:202 Resp: 14357

Ion Ratio Lower Upper

202 100

101 10.2 0.0 27.9

203 17.2 0.0 37.5

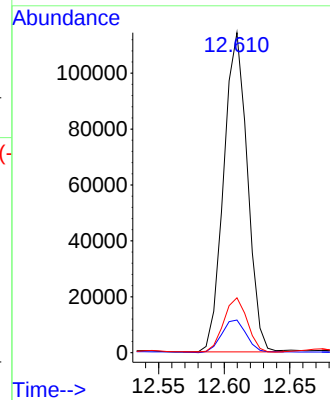
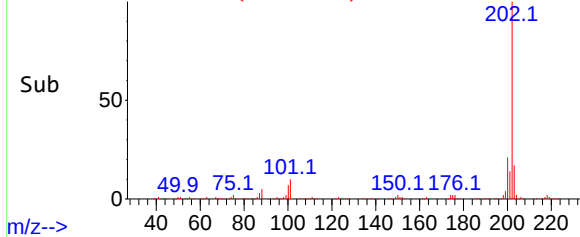
Manual Integrations

APPROVED

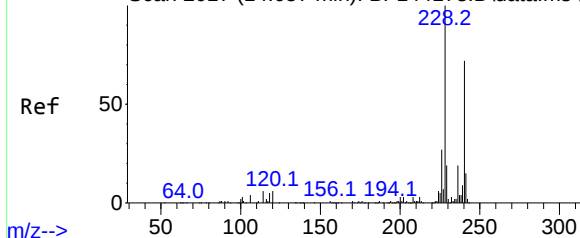
Reviewed By :Jagrut Upadhyay 12/02/2025

Supervised By :mohammad ahmed 12/03/2025

Abundance Scan 1771 (12.610 min): BF144369.D\data.ms (-



Abundance Scan 2017 (14.057 min): BF144173.D\data.ms (-



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.039 min Scan# 2014

Delta R.T. -0.012 min

Lab File: BF144369.D

Acq: 26 Nov 2025 19:13

Tgt Ion:240 Resp: 134586

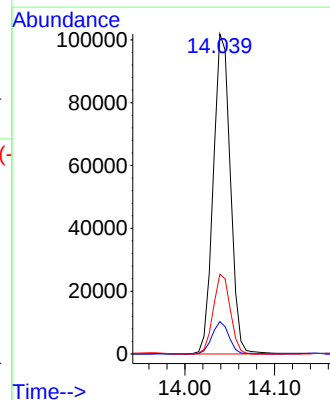
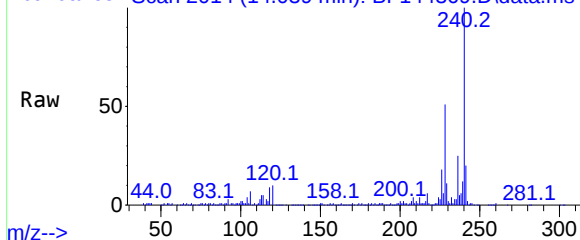
Ion Ratio Lower Upper

240 100

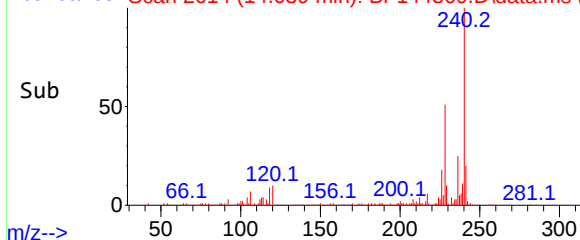
120 10.1 6.6 10.0#

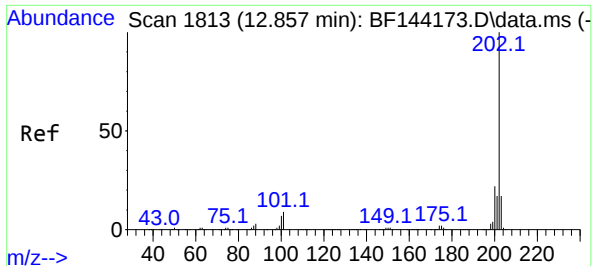
236 24.9 21.4 32.2

Abundance Scan 2014 (14.039 min): BF144369.D\data.ms



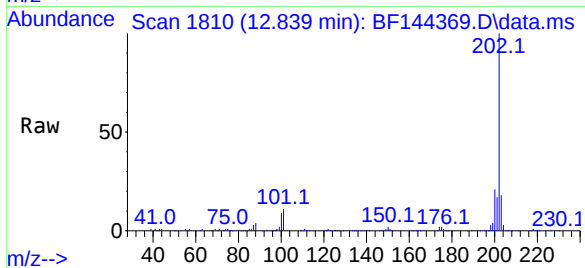
Abundance Scan 2014 (14.039 min): BF144369.D\data.ms (-





#78
Pyrene
Concen: 12.473 ng
RT: 12.839 min Scan# 1810
Delta R.T. -0.012 min
Lab File: BF144369.D
Acq: 26 Nov 2025 19:13

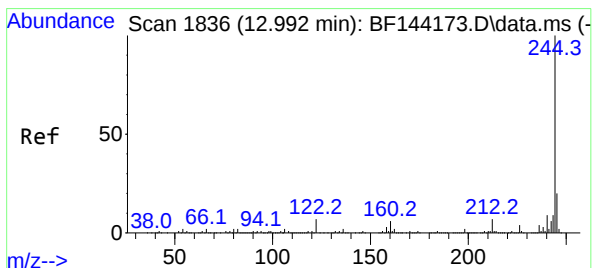
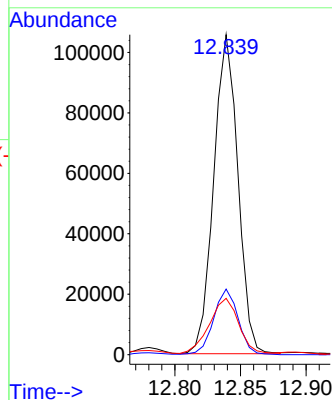
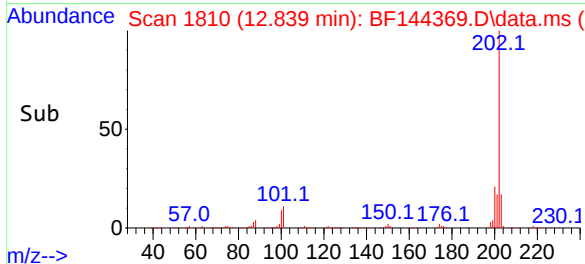
Instrument :
BNA_F
ClientSampleId :
SB-1125-14A



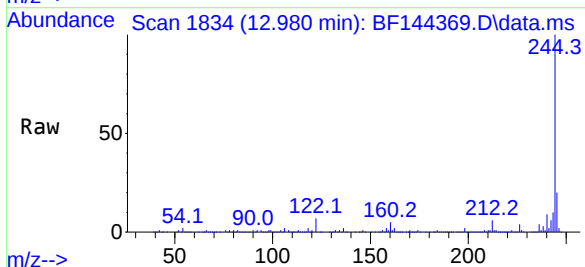
Tgt Ion:202 Resp: 135354
Ion Ratio Lower Upper
202 100
200 20.5 17.2 25.8
203 17.6 13.7 20.5

Manual Integrations
APPROVED

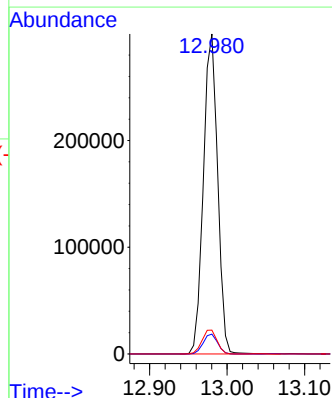
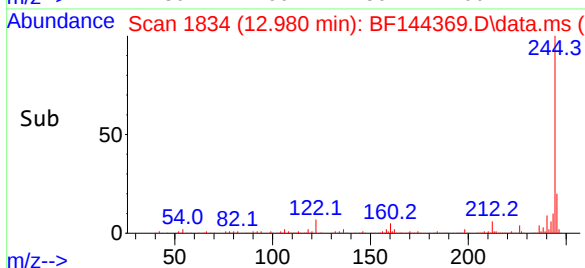
Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025



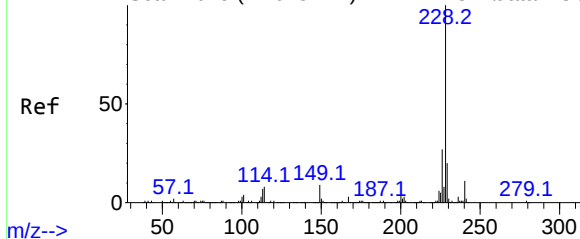
#79
Terphenyl-d14
Concen: 45.131 ng
RT: 12.980 min Scan# 1834
Delta R.T. -0.012 min
Lab File: BF144369.D
Acq: 26 Nov 2025 19:13



Tgt Ion:244 Resp: 382398
Ion Ratio Lower Upper
244 100
212 6.2 5.3 7.9
122 7.5 5.6 8.4



Abundance Scan 2015 (14.045 min): BF144173.D\data.ms (-



#81

Benzo(a)anthracene

Concen: 12.211 ng

RT: 14.033 min Scan# 2015

Delta R.T. -0.012 min

Lab File: BF144369.D

Acq: 26 Nov 2025 19:13

Instrument :

BNA_F

ClientSampleId :

SB-1125-14A

Tgt Ion:228 Resp: 113900

Ion Ratio Lower Upper

228 100

226 32.4 21.8 32.8

229 19.5 15.8 23.6

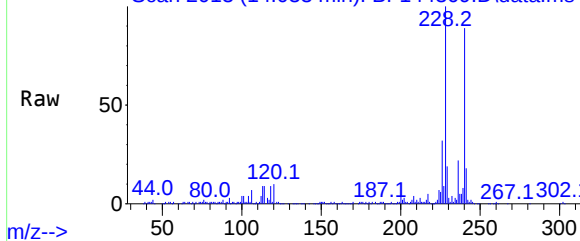
Manual Integrations

APPROVED

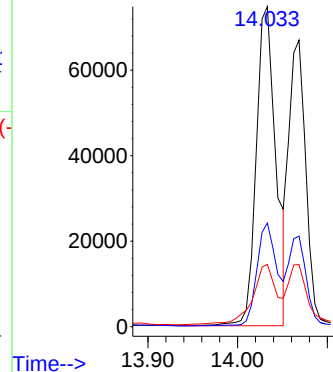
Reviewed By :Jagrut Upadhyay 12/02/2025

Supervised By :mohammad ahmed 12/03/2025

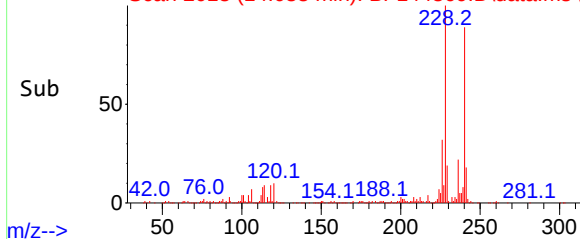
Abundance Scan 2013 (14.033 min): BF144369.D\data.ms



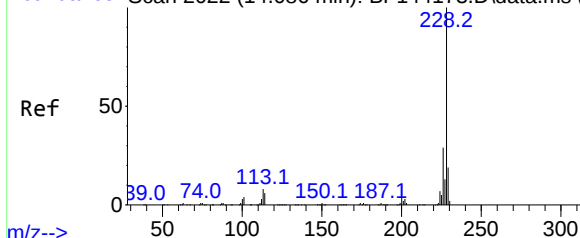
Abundance



Abundance Scan 2013 (14.033 min): BF144369.D\data.ms (-



Abundance Scan 2022 (14.086 min): BF144173.D\data.ms (-



#83

Chrysene

Concen: 10.151 ng

RT: 14.068 min Scan# 2019

Delta R.T. -0.012 min

Lab File: BF144369.D

Acq: 26 Nov 2025 19:13

Tgt Ion:228 Resp: 87408

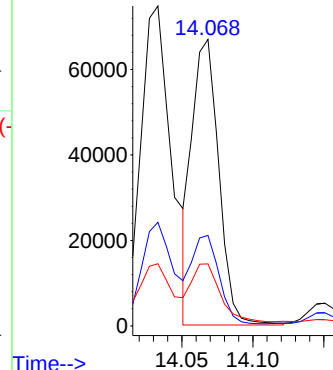
Ion Ratio Lower Upper

228 100

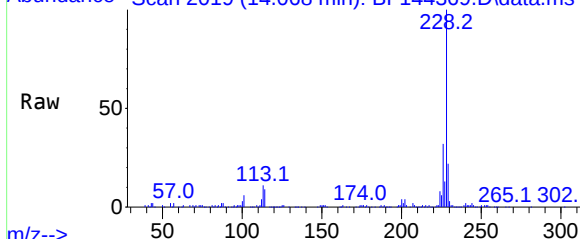
226 31.6 22.9 34.3

229 21.7 15.0 22.6

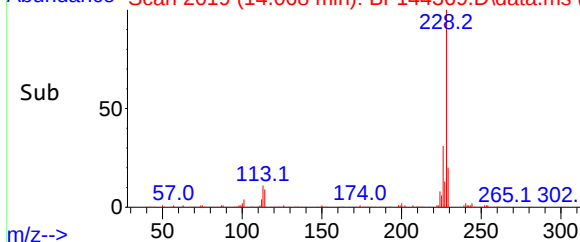
Abundance

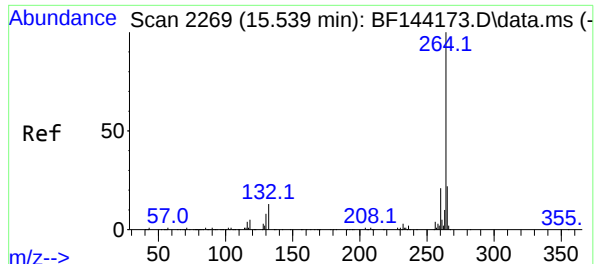


Abundance Scan 2019 (14.068 min): BF144369.D\data.ms



Abundance Scan 2019 (14.068 min): BF144369.D\data.ms (-





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.521 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF144369.D

Acq: 26 Nov 2025 19:13

Instrument :

BNA_F

ClientSampleId :

SB-1125-14A

Tgt Ion:264 Resp: 16185

Ion Ratio Lower Upper

264 100

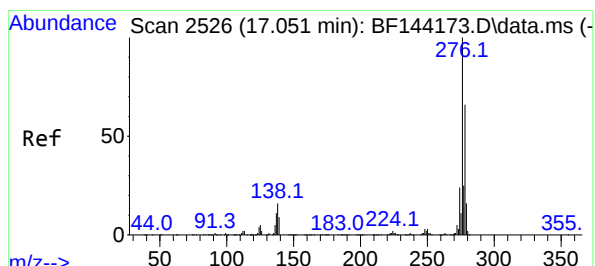
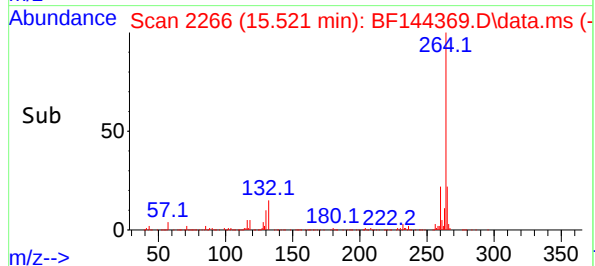
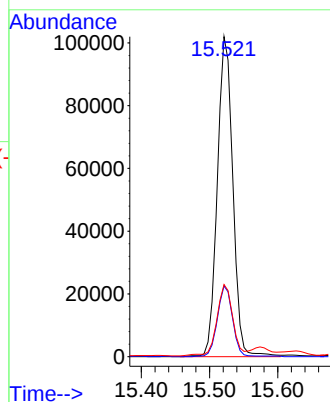
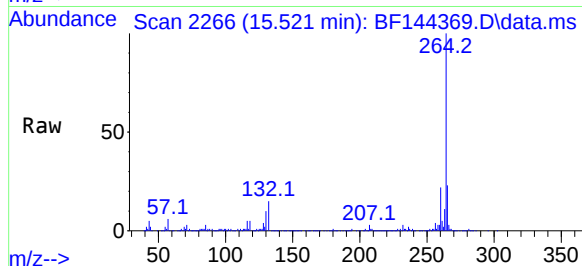
260 22.1 17.1 25.7

265 22.6 17.4 26.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
 Supervised By :mohammad ahmed 12/03/2025



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.629 ng

RT: 17.015 min Scan# 2520

Delta R.T. -0.018 min

Lab File: BF144369.D

Acq: 26 Nov 2025 19:13

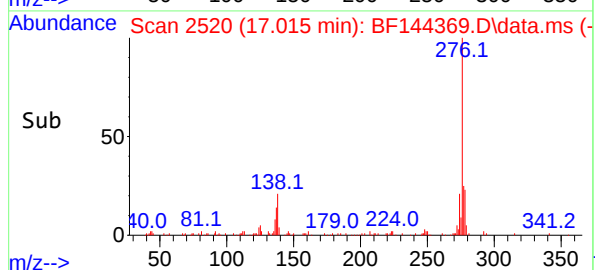
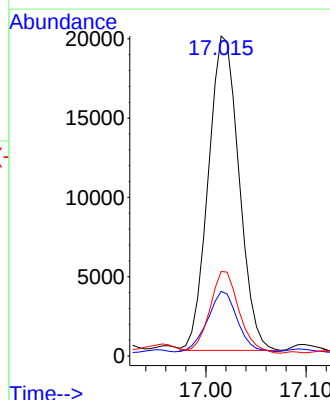
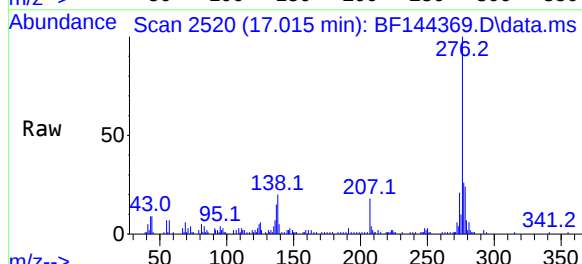
Tgt Ion:276 Resp: 42163

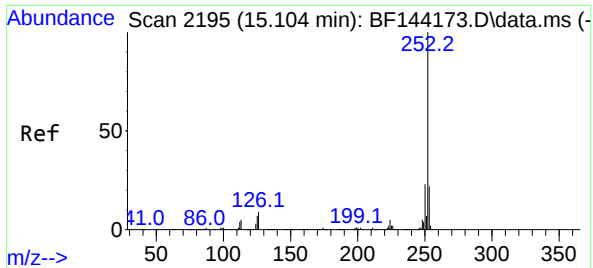
Ion Ratio Lower Upper

276 100

138 20.1 13.9 20.9

277 25.0 19.8 29.6





#88

Benzo(b)fluoranthene

Concen: 13.593 ng m

RT: 15.092 min Scan# 2195

Delta R.T. -0.006 min

Lab File: BF144369.D

Acq: 26 Nov 2025 19:13

Instrument :

BNA_F

ClientSampleId :

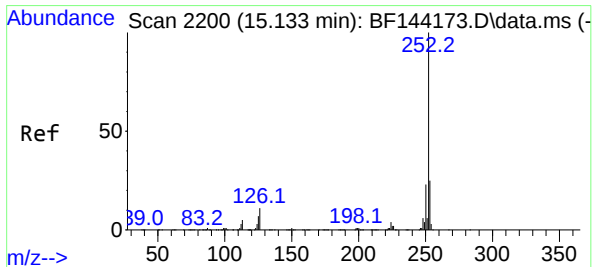
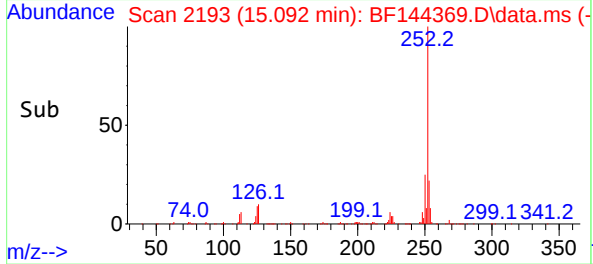
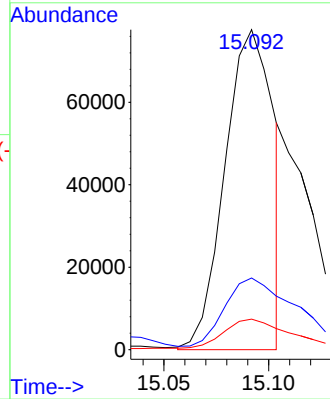
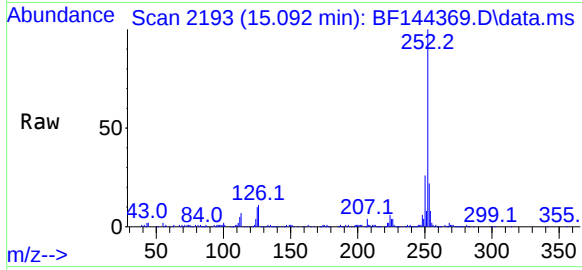
SB-1125-14A

Tgt Ion:	252	Resp:	12508
Ion Ratio	Lower	Upper	
252	100		
253	22.4	17.4	26.2
125	9.6	5.3	7.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025



#89

Benzo(k)fluoranthene

Concen: 6.273 ng m

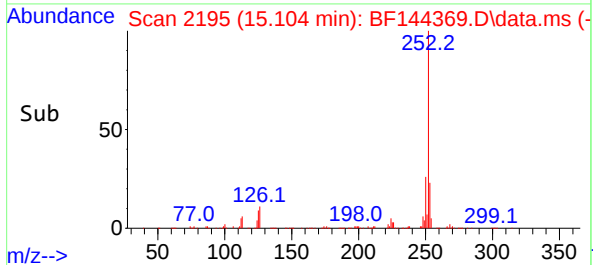
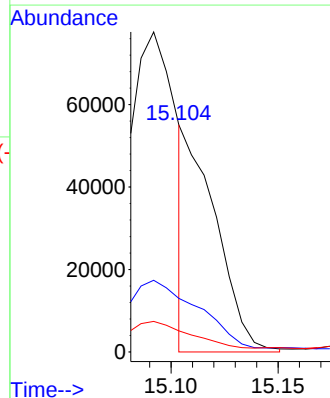
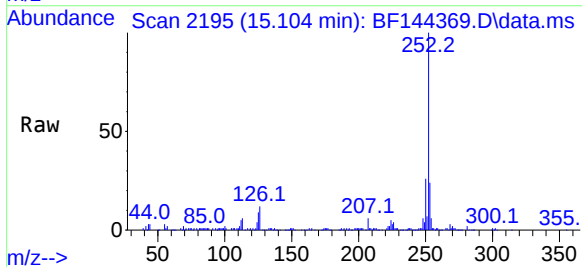
RT: 15.104 min Scan# 2195

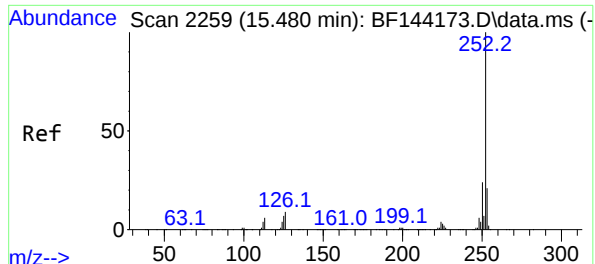
Delta R.T. -0.024 min

Lab File: BF144369.D

Acq: 26 Nov 2025 19:13

Tgt Ion:	252	Resp:	54031
Ion Ratio	Lower	Upper	
252	100		
253	23.6	18.0	27.0
125	9.3	5.4	8.2





#90

Benzo(a)pyrene

Concen: 11.308 ng

RT: 15.457 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF144369.D

Acq: 26 Nov 2025 19:13

Instrument :

BNA_F

ClientSampleId :

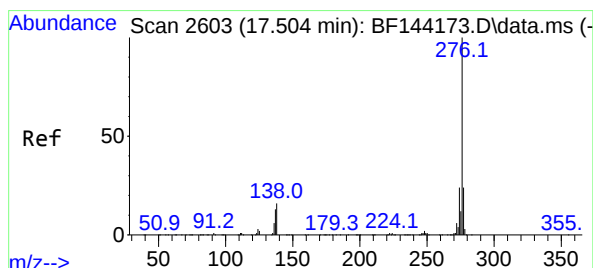
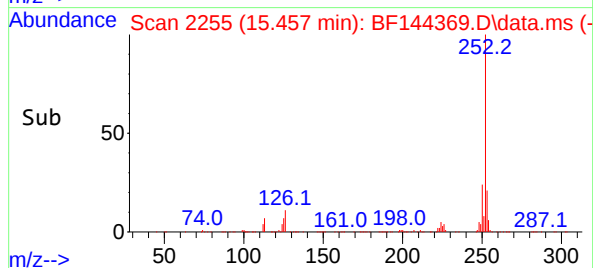
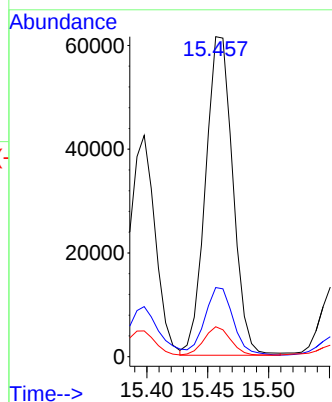
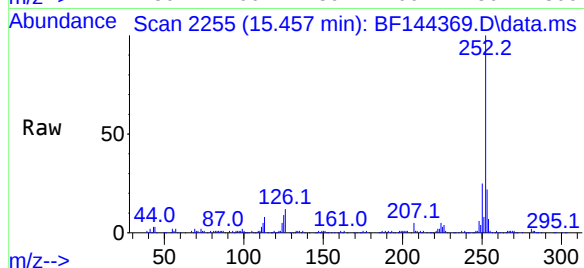
SB-1125-14A

Tgt Ion:	252	Resp:	9599
Ion Ratio	Lower	Upper	
252	100		
253	21.6	16.7	25.1
125	9.4	5.7	8.5

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
 Supervised By :mohammad ahmed 12/03/2025



#92

Benzo(g,h,i)perylene

Concen: 4.005 ng

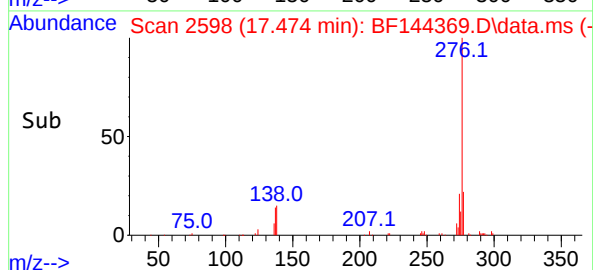
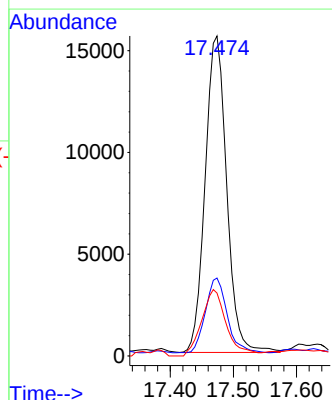
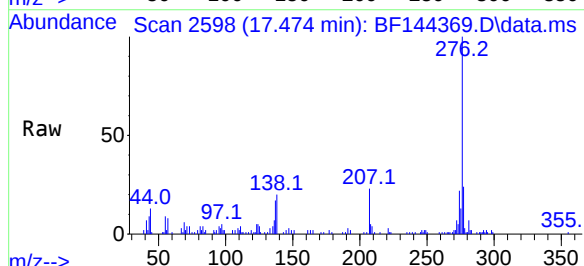
RT: 17.474 min Scan# 2598

Delta R.T. -0.018 min

Lab File: BF144369.D

Acq: 26 Nov 2025 19:13

Tgt Ion:	276	Resp:	36903
Ion Ratio	Lower	Upper	
276	100		
277	24.4	19.0	28.4
138	19.6	12.9	19.3



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112625\
 Data File : BF144369.D
 Acq On : 26 Nov 2025 19:13
 Operator : RC/JU
 Sample : Q3719-07
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-1125-14A

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF144369.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.075	484	490	500	rBV	210222	315637	27.36%	2.255%
2	5.487	555	560	582	rVB	703336	965280	83.68%	6.896%
3	6.492	726	731	753	rBV	726774	993569	86.14%	7.098%
4	6.863	789	794	800	rBV	237040	304238	26.38%	2.173%
5	7.422	884	889	900	rBV	488339	636680	55.20%	4.548%
6	8.145	1004	1012	1020	rBV	286298	421708	36.56%	3.013%
7	9.216	1189	1194	1204	rBV	908869	1153493	100.00%	8.240%
8	9.763	1283	1287	1292	rBV	16148	19517	1.69%	0.139%
9	9.898	1305	1310	1315	rBV	314963	402320	34.88%	2.874%
10	10.104	1341	1345	1349	rBV2	8801	11722	1.02%	0.084%
11	10.322	1375	1382	1386	rBV4	7802	14513	1.26%	0.104%
12	10.451	1399	1404	1410	rVB2	11500	17127	1.48%	0.122%
13	10.616	1426	1432	1437	rBV	89492	119101	10.33%	0.851%
14	10.692	1440	1445	1458	rVV	442004	583457	50.58%	4.168%
15	10.804	1459	1464	1472	rVB5	12159	25899	2.25%	0.185%
16	10.922	1480	1484	1489	rVB	15083	20622	1.79%	0.147%
17	10.998	1489	1497	1500	rBV4	7010	13931	1.21%	0.100%
18	11.198	1527	1531	1535	rBV	9811	12365	1.07%	0.088%
19	11.245	1535	1539	1543	rBV4	13495	19317	1.67%	0.138%
20	11.333	1550	1554	1557	rBV2	20063	25727	2.23%	0.184%
21	11.392	1557	1564	1567	rBV	267154	412538	35.76%	2.947%
22	11.469	1573	1577	1581	rVB	23885	26198	2.27%	0.187%
23	11.627	1599	1604	1608	rBV4	14414	27949	2.42%	0.200%
24	11.845	1636	1641	1643	rBV2	20099	28340	2.46%	0.202%
25	11.880	1643	1647	1649	rVV	47417	74500	6.46%	0.532%
26	11.916	1649	1653	1660	rVV3	215472	343009	29.74%	2.450%
27	11.969	1660	1662	1665	rVV	19489	24982	2.17%	0.178%
28	12.004	1665	1668	1678	rVB3	42508	88074	7.64%	0.629%
29	12.086	1678	1682	1687	rBV4	28931	51273	4.45%	0.366%
30	12.192	1693	1700	1702	rBV	18797	29949	2.60%	0.214%
31	12.221	1702	1705	1712	rVB	12762	18583	1.61%	0.133%
32	12.445	1739	1743	1746	rBV	22076	27771	2.41%	0.198%
33	12.480	1746	1749	1751	rBV3	10479	13083	1.13%	0.093%
34	12.533	1755	1758	1763	rVB3	16801	22783	1.98%	0.163%
35	12.610	1766	1771	1775	rBV	261060	357894	31.03%	2.557%
36	12.704	1783	1787	1791	rVB	37542	45533	3.95%	0.325%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112625\
Data File : BF144369.D
Acq On : 26 Nov 2025 19:13
Operator : RC/JU
Sample : Q3719-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-1125-14A

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	12.839	1803	1810	1816	rBV	225768	336172	29.14%	2.401%
38	12.892	1816	1819	1825	rVB4	15827	19960	1.73%	0.143%
39	12.980	1825	1834	1842	rVB	726530	976246	84.63%	6.974%
40	13.057	1842	1847	1852	rBV3	30336	58921	5.11%	0.421%
41	13.163	1858	1865	1869	rVB2	36079	72066	6.25%	0.515%
42	13.233	1874	1877	1880	rVV	19745	23429	2.03%	0.167%
43	13.268	1880	1883	1891	rVB2	37919	57218	4.96%	0.409%
44	13.363	1896	1899	1902	rBV	16688	21001	1.82%	0.150%
45	13.398	1902	1905	1908	rVB2	13312	15302	1.33%	0.109%
46	13.545	1927	1930	1933	rBV4	12921	20449	1.77%	0.146%
47	13.680	1949	1953	1959	rVB	33332	45323	3.93%	0.324%
48	13.792	1967	1972	1974	rBV2	33328	52859	4.58%	0.378%
49	13.815	1974	1976	1978	rVV	12814	13976	1.21%	0.100%
50	13.880	1983	1987	1997	rVB2	90792	180147	15.62%	1.287%
51	14.039	2005	2014	2017	rBV2	399331	711993	61.72%	5.086%
52	14.192	2037	2040	2046	rBV4	25509	39323	3.41%	0.281%
53	14.427	2076	2080	2084	rBV	41776	53544	4.64%	0.382%
54	14.462	2084	2086	2089	rVB	16429	15709	1.36%	0.112%
55	14.515	2089	2095	2099	rBV5	69718	152020	13.18%	1.086%
56	15.092	2187	2193	2199	rBV	195190	441168	38.25%	3.152%
57	15.145	2199	2202	2206	rVV	134993	219646	19.04%	1.569%
58	15.192	2206	2210	2223	rVB2	86791	220210	19.09%	1.573%
59	15.398	2240	2245	2250	rVB	101665	157991	13.70%	1.129%
60	15.457	2251	2255	2261	rVV	146316	224635	19.47%	1.605%
61	15.521	2261	2266	2280	rVB2	270846	506920	43.95%	3.621%
62	15.739	2299	2303	2309	rVB5	40380	66520	5.77%	0.475%
63	15.968	2336	2342	2349	rBV	272197	501610	43.49%	3.583%
64	16.039	2350	2354	2360	rVB4	27390	56851	4.93%	0.406%
65	16.480	2424	2429	2442	rVB2	45433	107748	9.34%	0.770%
66	16.780	2475	2480	2485	rBV3	26948	54646	4.74%	0.390%
67	17.021	2515	2521	2526	rBV2	60084	131006	11.36%	0.936%
68	17.086	2527	2532	2539	rVB2	67185	145478	12.61%	1.039%
69	17.186	2542	2549	2557	rBV6	34486	116285	10.08%	0.831%
70	17.468	2592	2597	2610	rVB	36828	85720	7.43%	0.612%
71	17.603	2616	2620	2635	rVB	28896	92935	8.06%	0.664%
72	17.815	2649	2656	2668	rVB2	83685	224319	19.45%	1.602%
73	18.162	2709	2715	2724	rVB4	47559	110521	9.58%	0.790%

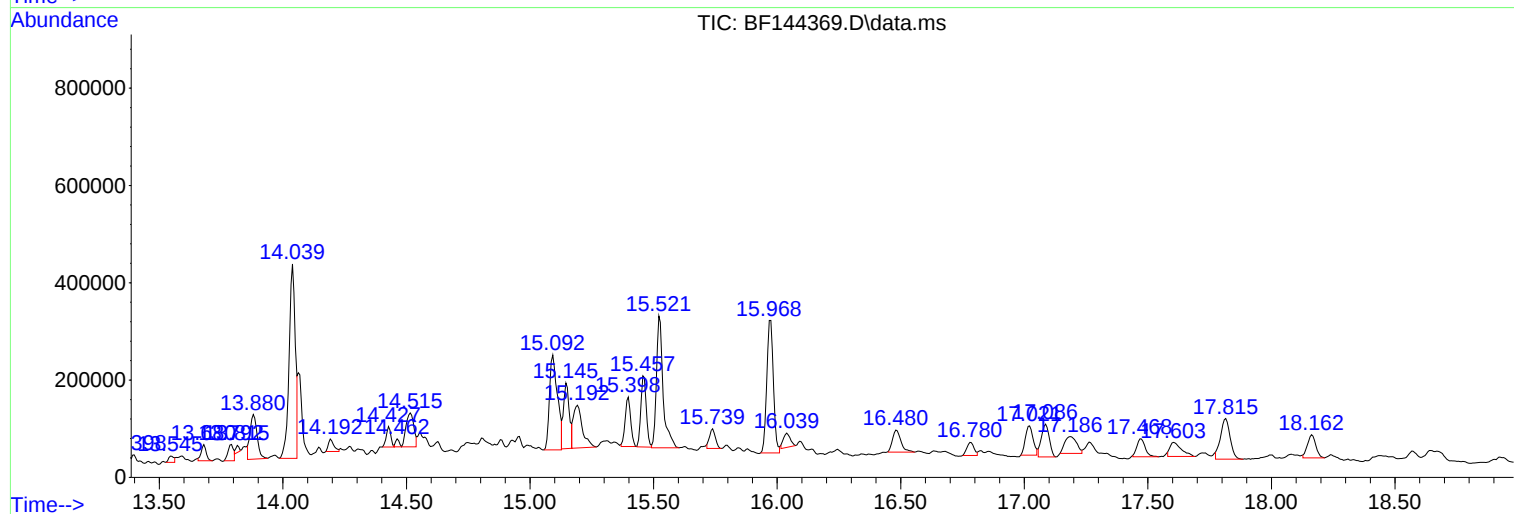
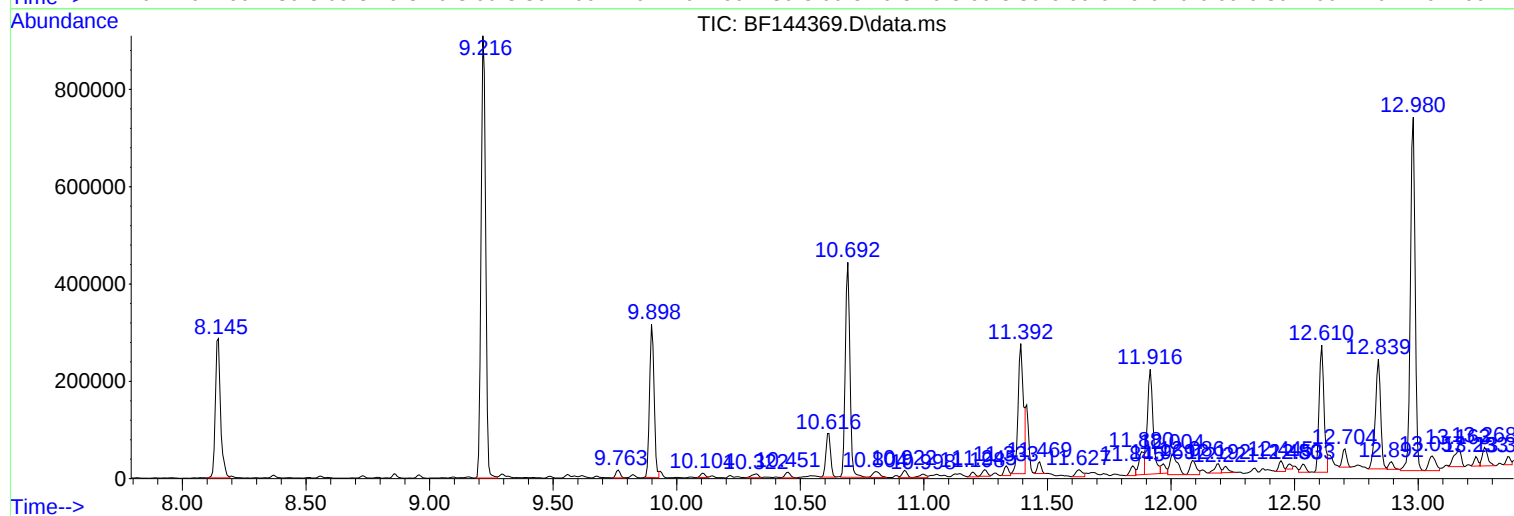
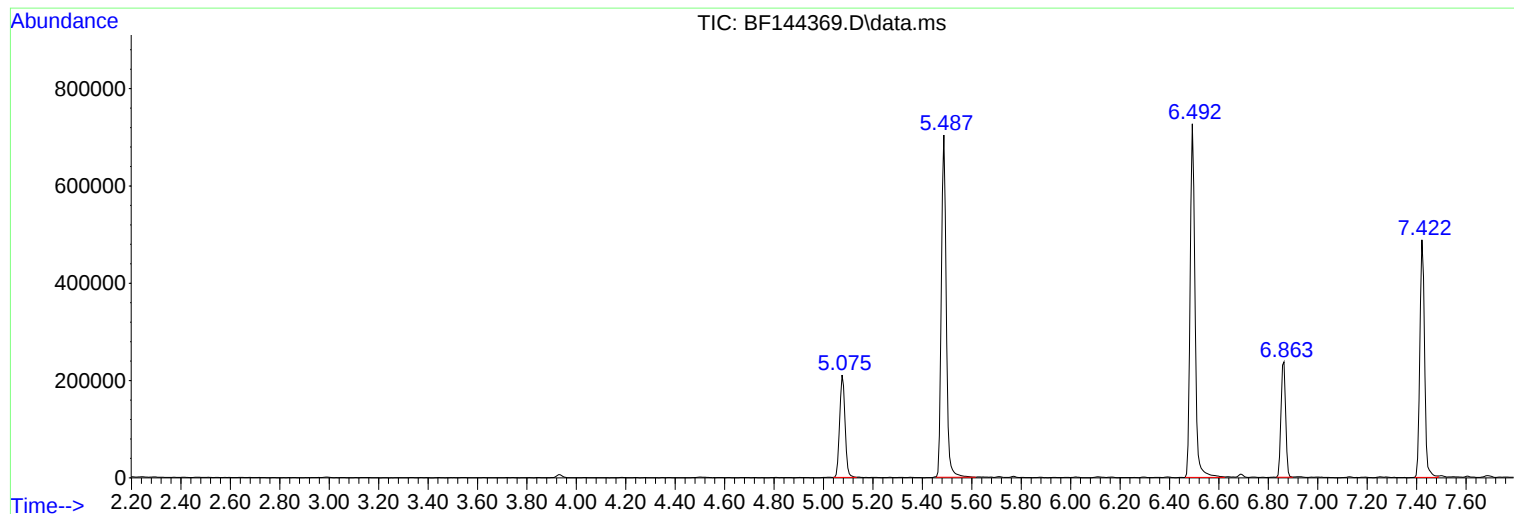
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Acq On : 26 Nov 2025 19:13
Operator : RC/JU
Sample : Q3719-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-1125-14A

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



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Data File : BF144369.D
Acq On : 26 Nov 2025 19:13
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ClientSampleId :
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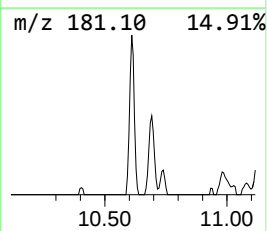
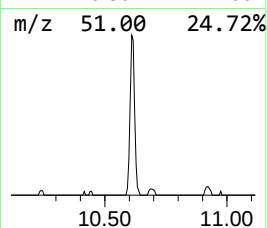
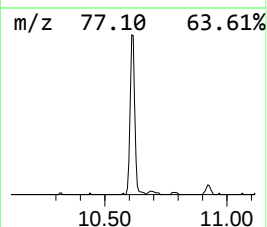
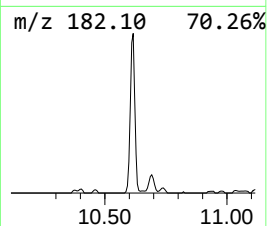
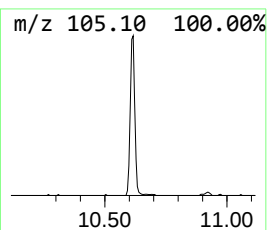
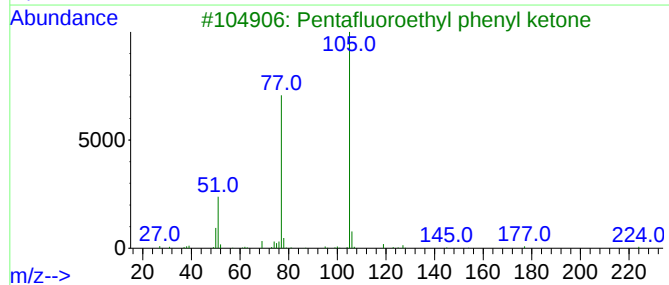
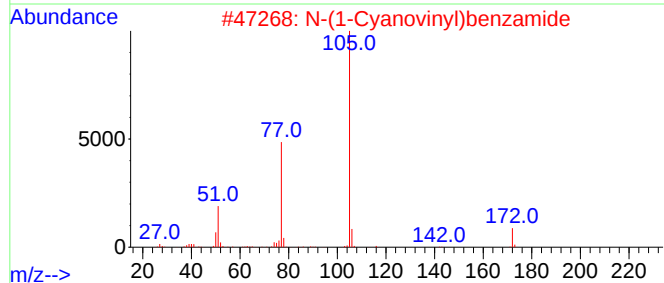
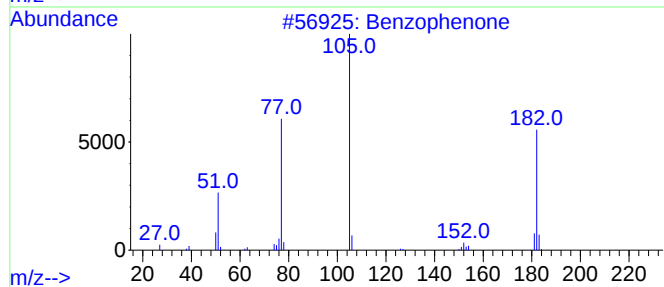
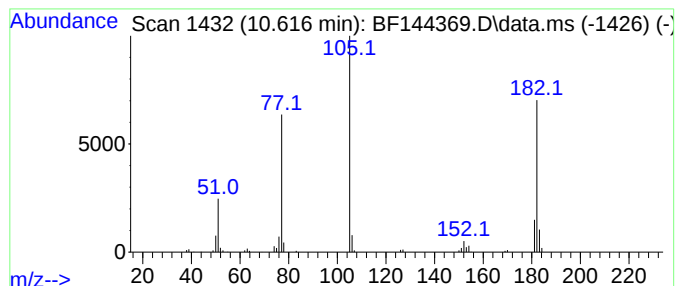
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Benzophenone Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.616	5.92 ng	119101	Acenaphthene-d10	9.898

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	97
2			N-(1-Cyanovinyl)benzamide	172	C10H8N2O	1000186-19-1	43
3			Pentafluoroethyl phenyl ketone	224	C9H5F5O	000394-52-5	43
4			Acetophenone, 2-chloro-	154	C8H7ClO	000532-27-4	43
5			1-Propanone, 3-chloro-1-phenyl-	168	C9H9ClO	000936-59-4	43



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112625\
Data File : BF144369.D
Acq On : 26 Nov 2025 19:13
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Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
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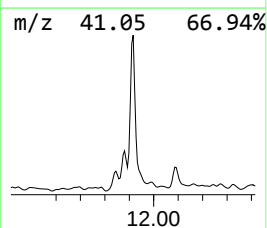
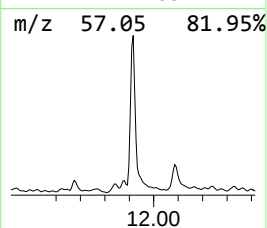
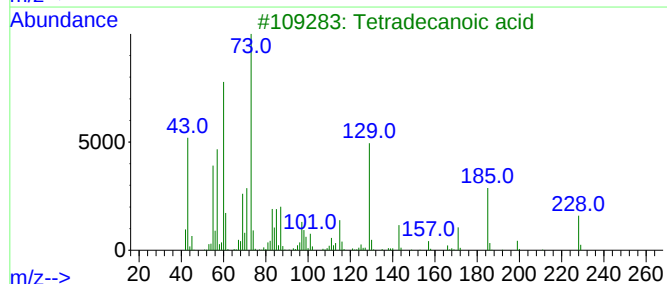
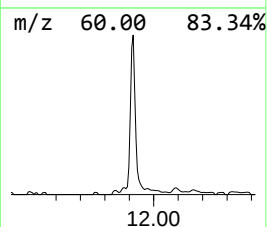
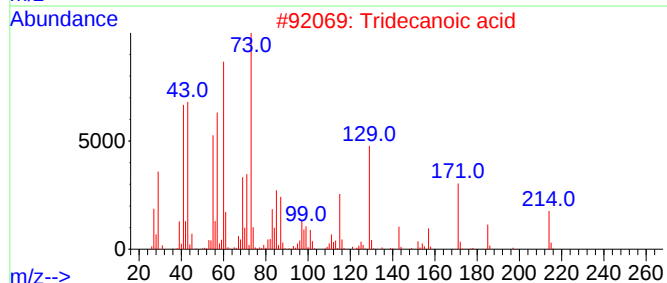
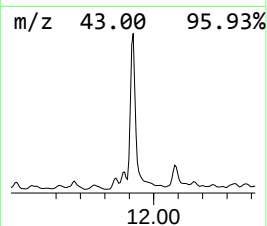
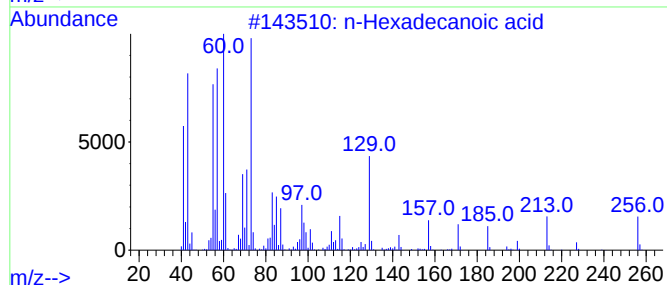
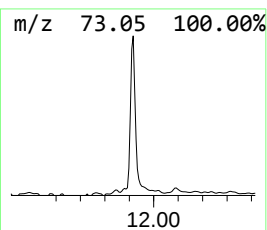
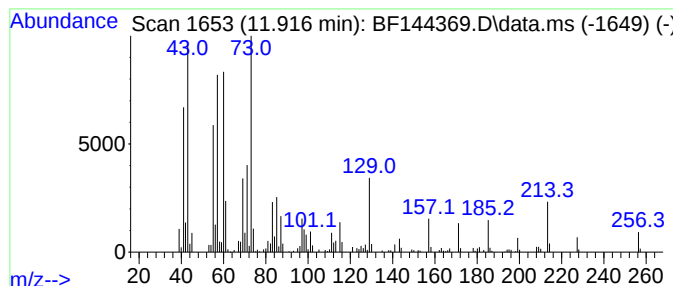
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 n-Hexadecanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.916	16.63 ng	343009	Phenanthrene-d10	11.392

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			n-Hexadecanoic acid	256	C16H32O2	000057-10-3	97
2			Tridecanoic acid	214	C13H26O2	000638-53-9	94
3			Tetradecanoic acid	228	C14H28O2	000544-63-8	58
4			Carbonic acid, hexadecyl prop-1-...	326	C20H38O3	1000382-90-3	15
5			Octadecane, 1-iodo-	380	C18H37I	000629-93-6	11



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112625\
Data File : BF144369.D
Acq On : 26 Nov 2025 19:13
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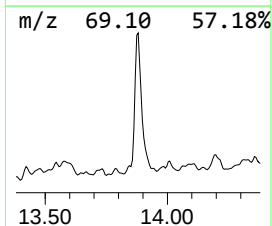
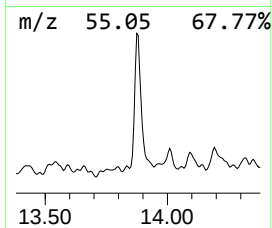
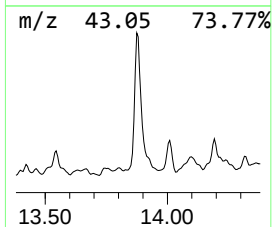
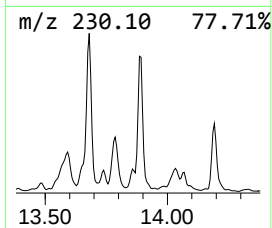
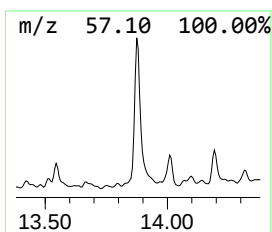
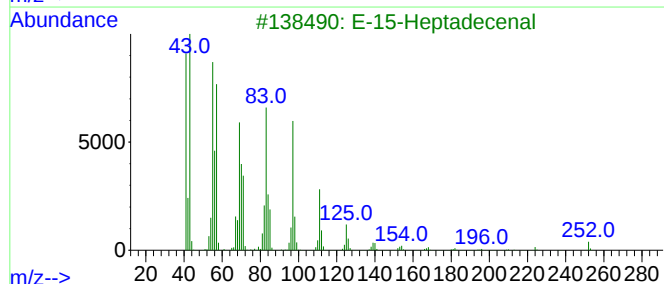
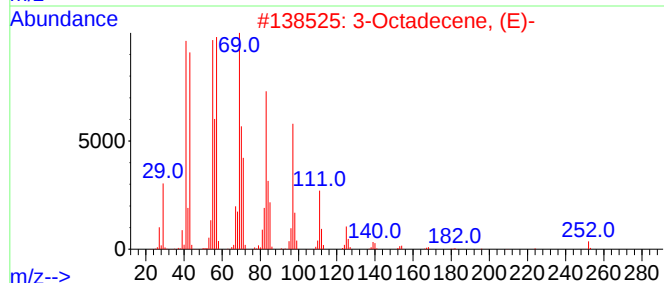
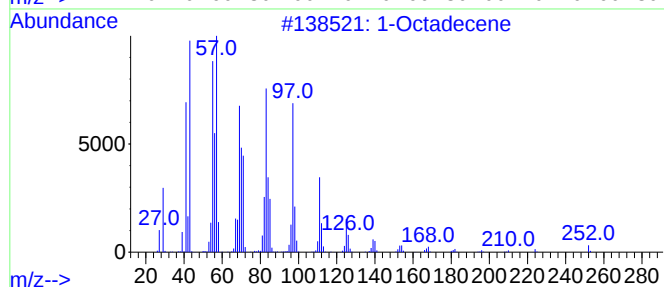
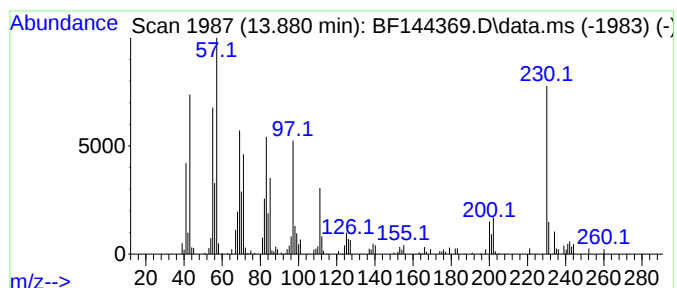
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 1-Octadecene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.880	5.06 ng	180147	Chrysene-d12	14.039

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Octadecene	252	C18H36	000112-88-9	94
2			3-Octadecene, (E)-	252	C18H36	007206-19-1	92
3			E-15-Heptadecenal	252	C17H32O	1000130-97-9	84
4			5-Octadecene, (E)-	252	C18H36	007206-21-5	80
5			Pentadecafluorooctanoic acid, oc...	666	C26H37F15O2	1000406-04-8	70



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112625\
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Sample : Q3719-07
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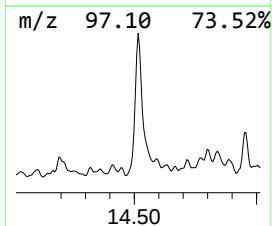
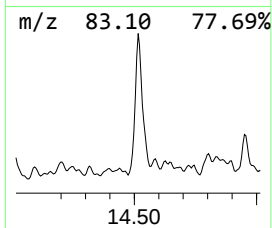
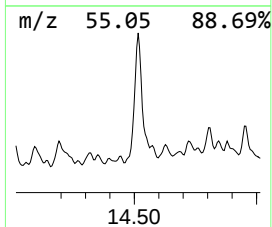
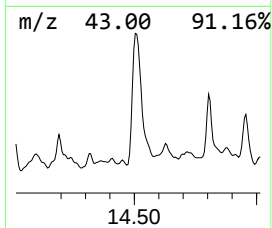
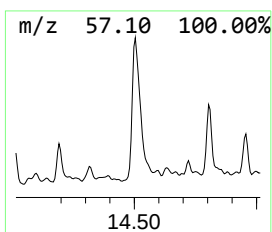
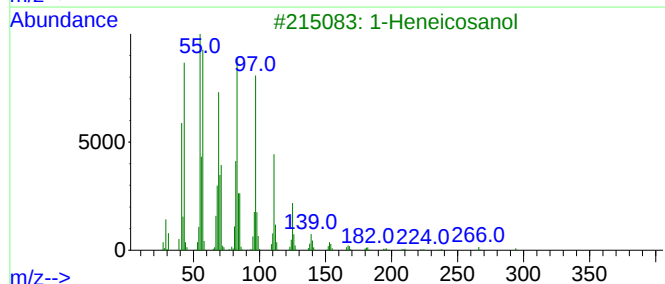
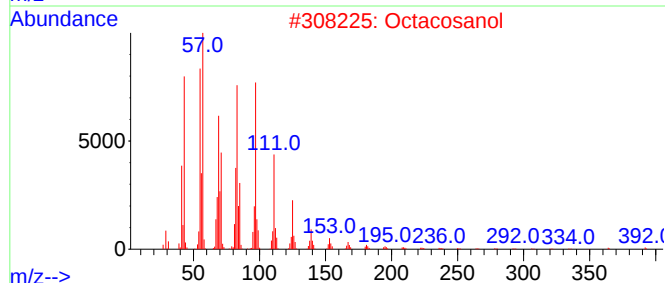
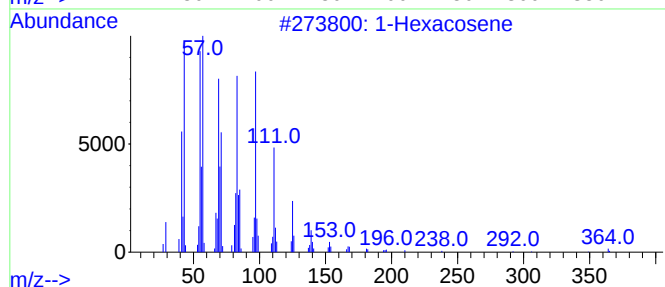
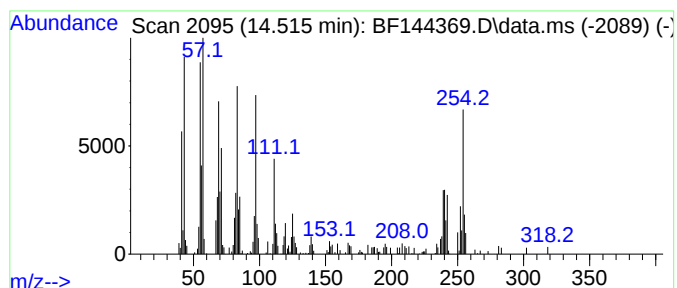
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 1-Hexacosene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.	
14.515	4.27 ng	152020	Chrysene-d12	14.039	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexacosene	364	C26H52	018835-33-1	90
2	Octacosanol	410	C28H58O	000557-61-9	90
3	1-Heneicosanol	312	C21H44O	015594-90-8	90
4	Heptacosyl acetate	438	C29H58O2	1000351-78-2	90
5	2- Chloropropionic acid, octadec...	360	C21H41ClO2	088104-31-8	83



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112625\
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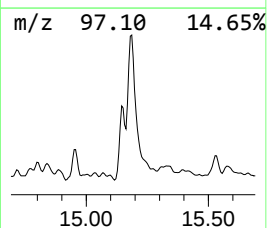
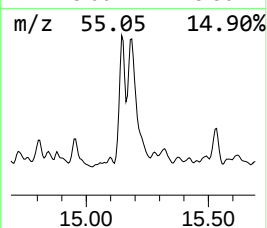
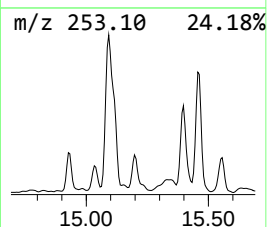
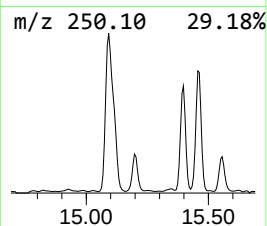
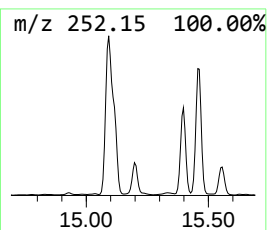
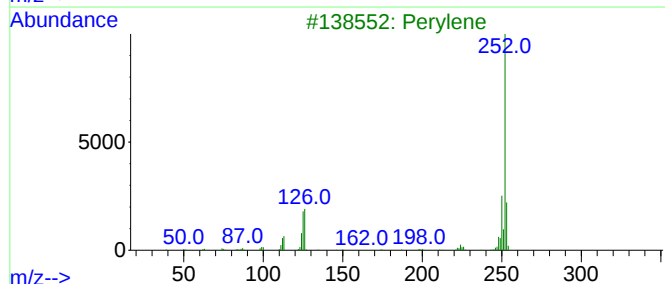
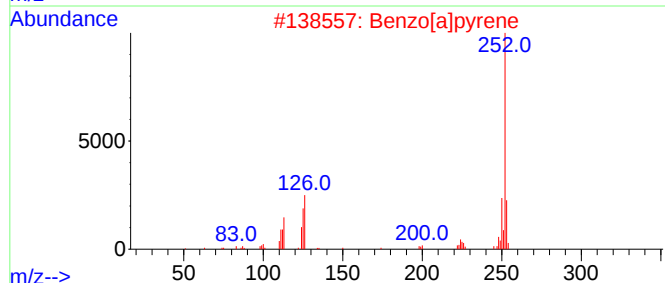
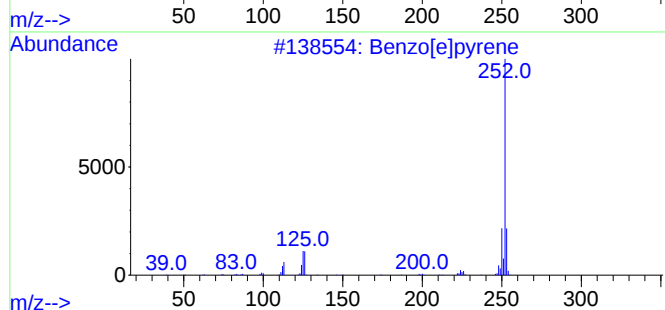
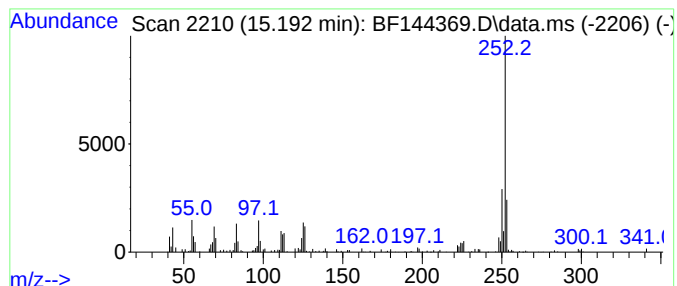
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.192	8.69 ng	220210	Perylene-d12	15.521

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[e]pyrene	252	C20H12	000192-97-2	91
2			Benzo[a]pyrene	252	C20H12	000050-32-8	89
3			Perylene	252	C20H12	000198-55-0	81
4			Benzo[k]fluoranthene	252	C20H12	000207-08-9	81
5			Benzo[b]fluoranthene	252	C20H12	000205-99-2	76



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112625\
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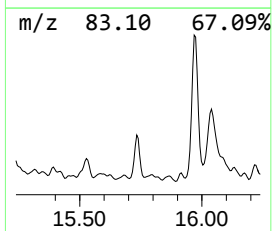
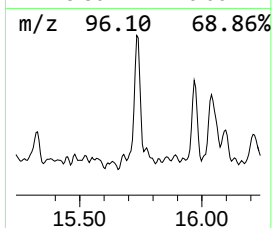
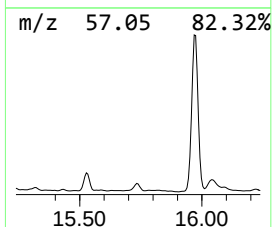
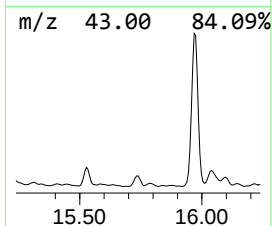
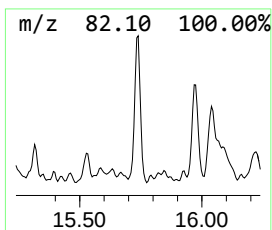
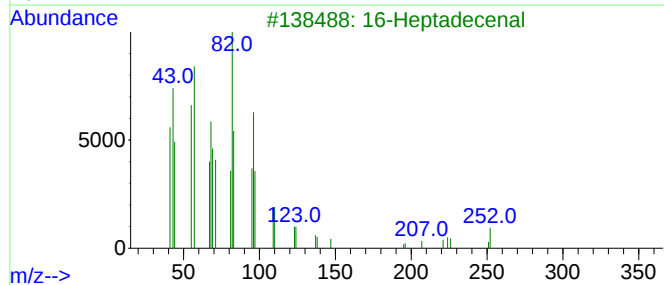
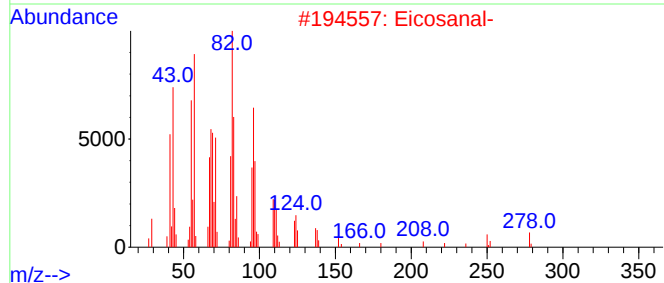
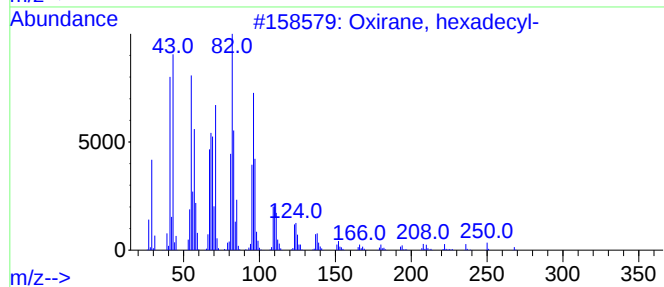
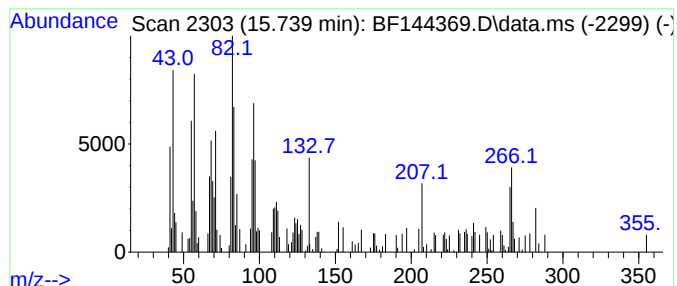
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 12 Oxirane, hexadecyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.739	2.62 ng	66520	Perylene-d12	15.521

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Oxirane, hexadecyl-	268	C18H36O	007390-81-0	97
2			Eicosanal-	296	C20H40O	002400-66-0	90
3			16-Heptadecenal	252	C17H32O	1010144-57-9	87
4			1,19-Eicosadiene	278	C20H38	014811-95-1	78
5			14-Heptadecenal	252	C17H32O	1010144-58-0	70



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112625\
Data File : BF144369.D
Acq On : 26 Nov 2025 19:13
Operator : RC/JU
Sample : Q3719-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-1125-14A

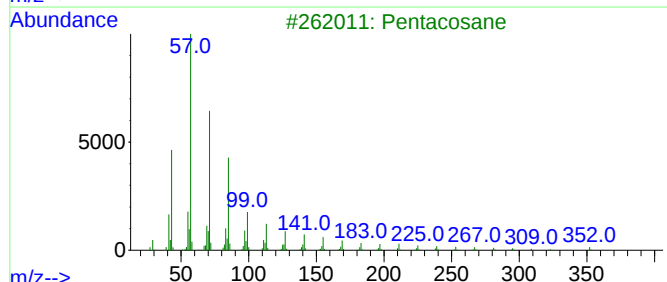
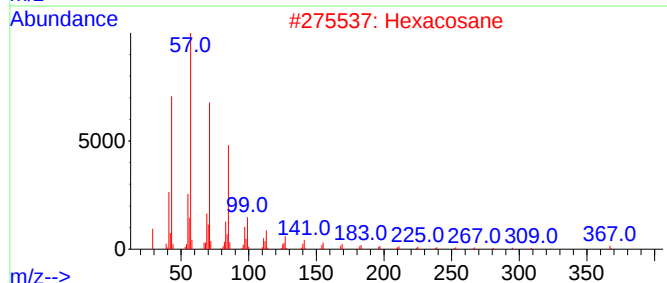
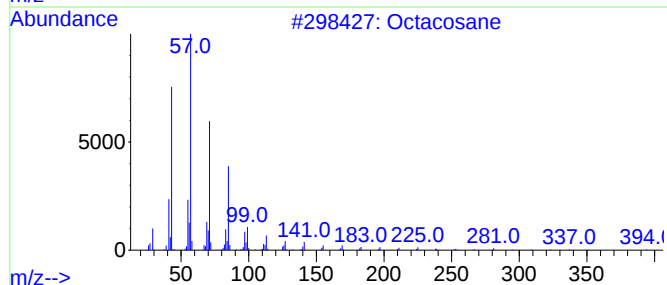
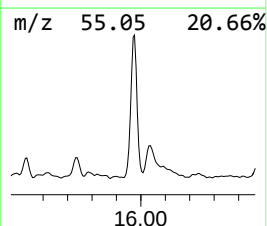
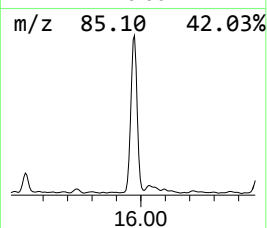
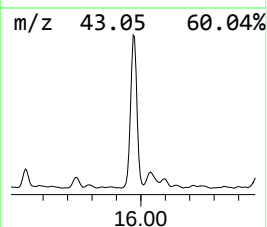
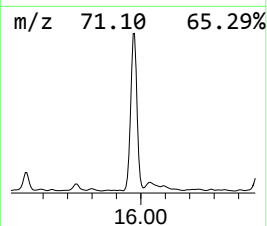
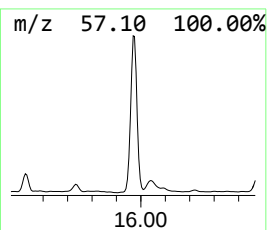
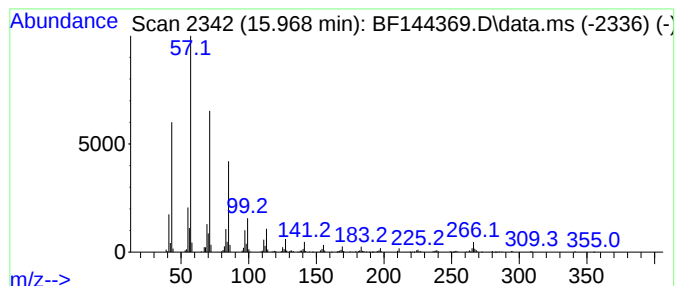
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 13 Octacosane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.968	19.79 ng	501610	Perylene-d12	15.521

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octacosane	394	C28H58	000630-02-4	91
2			Hexacosane	366	C26H54	000630-01-3	91
3			Pentacosane	352	C25H52	000629-99-2	91
4			Hexadecane, 2-methyl-	240	C17H36	001560-92-5	91
5			Heneicosane	296	C21H44	000629-94-7	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112625\
Data File : BF144369.D
Acq On : 26 Nov 2025 19:13
Operator : RC/JU
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Misc :
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Instrument :
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ClientSampleId :
SB-1125-14A

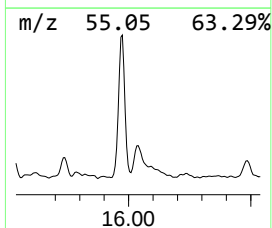
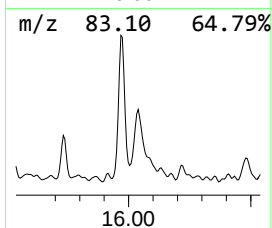
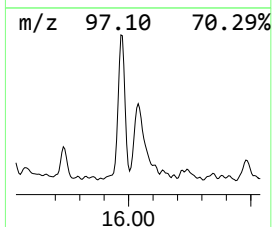
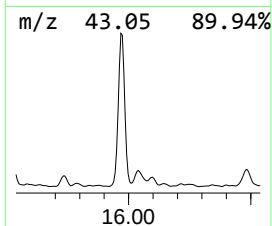
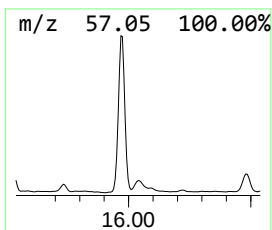
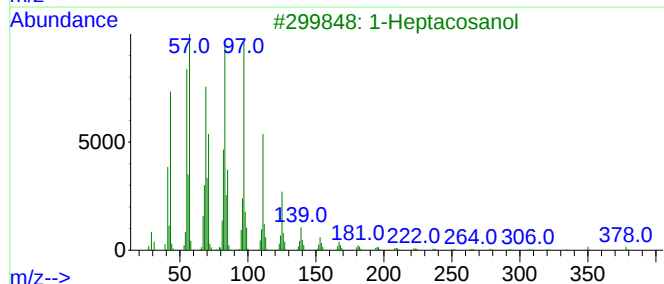
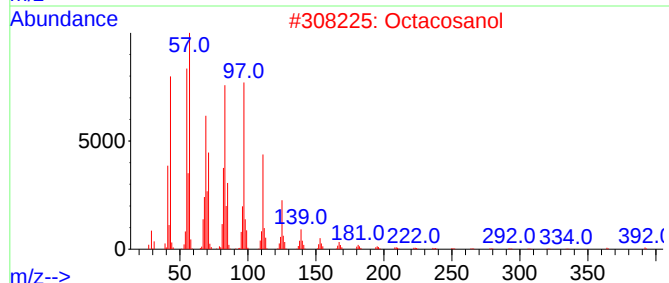
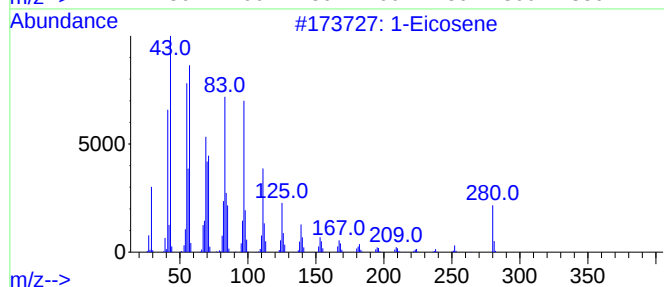
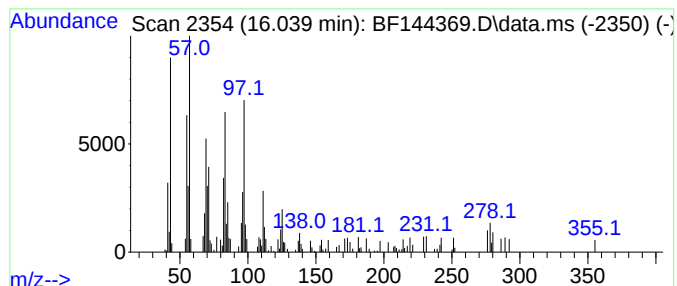
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 14 1-Eicosene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.039	2.24 ng	56851	Perylene-d12	15.521

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Eicosene		280	C20H40	003452-07-1	91
2	Octacosanol		410	C28H58O	000557-61-9	81
3	1-Heptacosanol		396	C27H56O	002004-39-9	81
4	Heptacosyl acetate		438	C29H58O2	1000351-78-2	74
5	1-Hexacosene		364	C26H52	018835-33-1	72



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112625\
Data File : BF144369.D
Acq On : 26 Nov 2025 19:13
Operator : RC/JU
Sample : Q3719-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SB-1125-14A

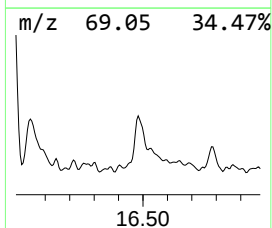
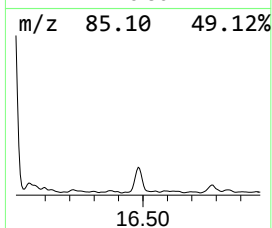
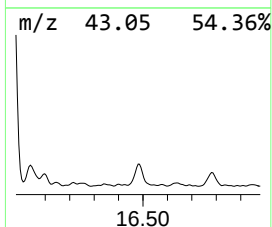
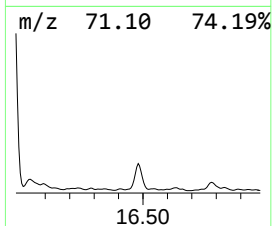
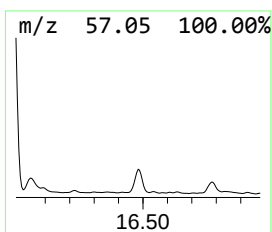
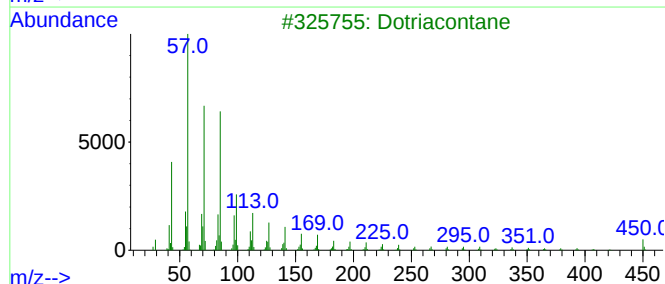
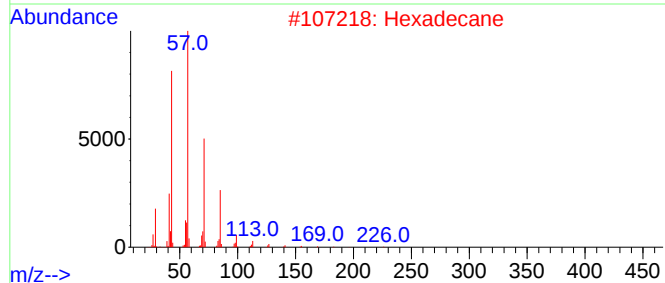
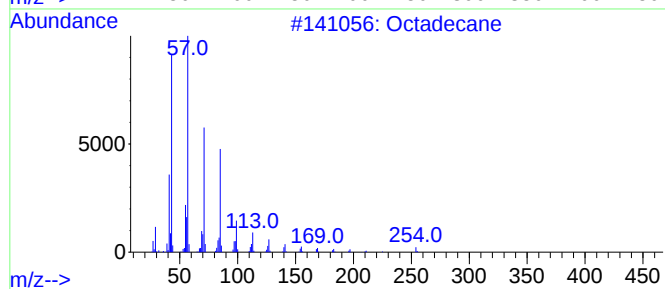
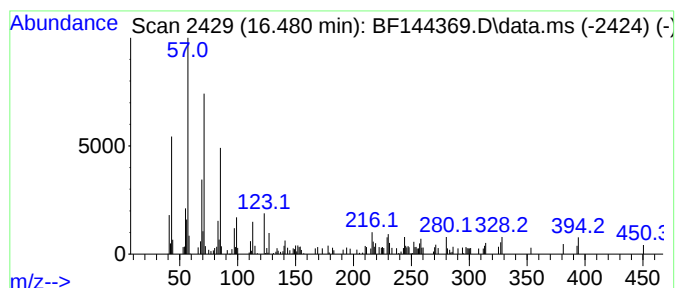
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 15 Octadecane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.480	4.25 ng	107748	Perylene-d12	15.521

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Octadecane	254	C18H38	000593-45-3	86
2		Hexadecane	226	C16H34	000544-76-3	86
3		Dotriacontane	451	C32H66	000544-85-4	70
4		Octacosane, 2-methyl-	408	C29H60	001560-98-1	70
5		Octacosane	394	C28H58	000630-02-4	70



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112625\
Data File : BF144369.D
Acq On : 26 Nov 2025 19:13
Operator : RC/JU
Sample : Q3719-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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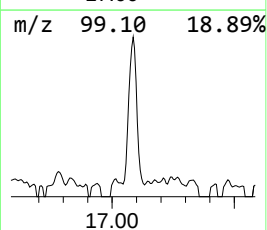
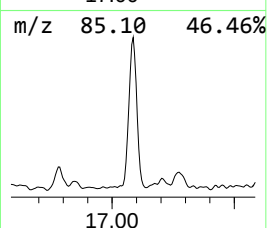
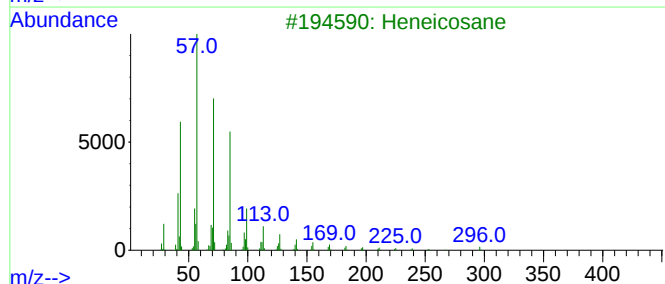
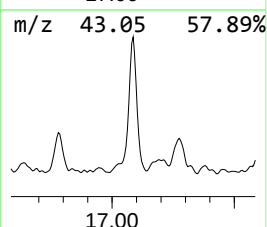
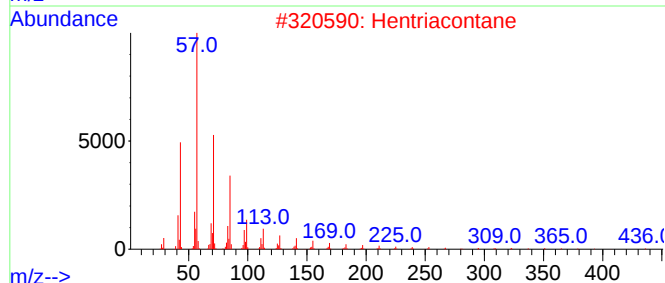
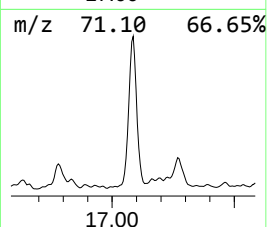
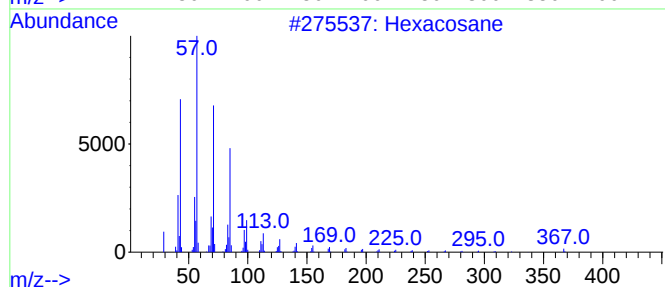
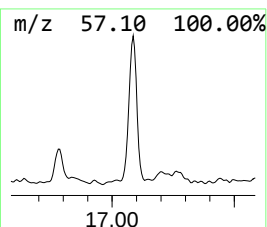
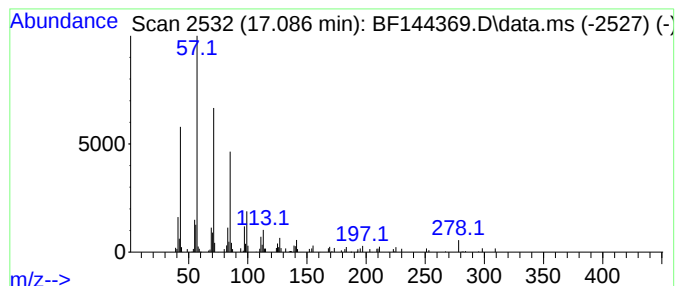
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 16 Hexacosane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.086	5.74 ng	145478	Perylene-d12	15.521

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Hexacosane	366	C26H54	000630-01-3	90
2		Hentriacontane	437	C31H64	000630-04-6	90
3		Heneicosane	296	C21H44	000629-94-7	90
4		Tetratetracontane	619	C44H90	007098-22-8	87
5		Octacosane, 2-methyl-	408	C29H60	001560-98-1	87



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112625\
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Acq On : 26 Nov 2025 19:13
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Misc :
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Instrument :
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ClientSampleId :
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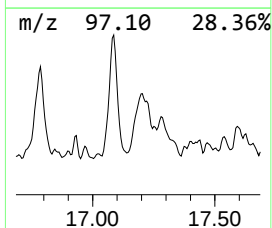
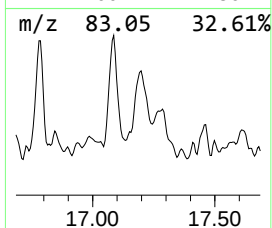
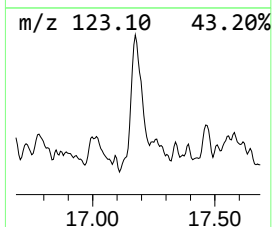
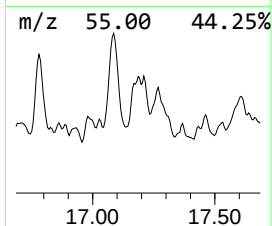
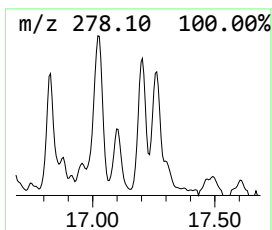
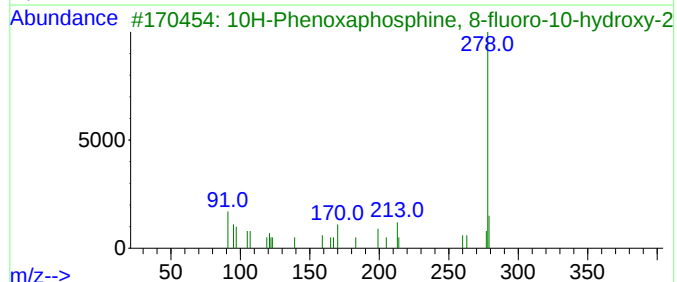
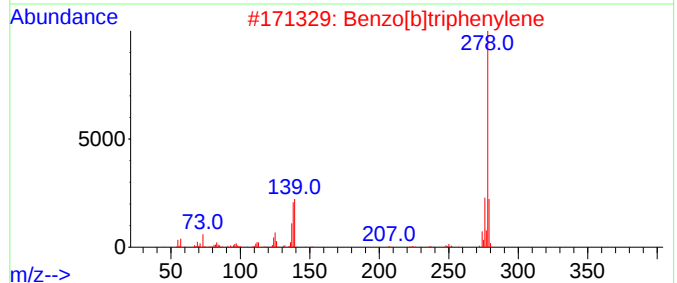
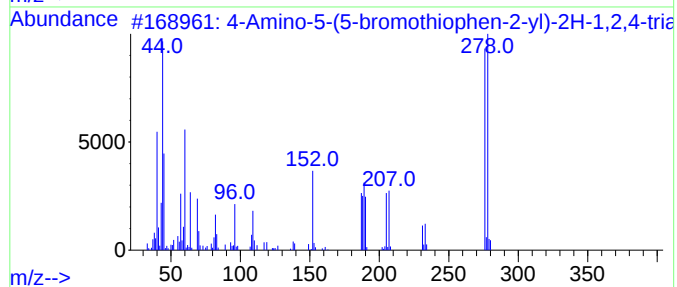
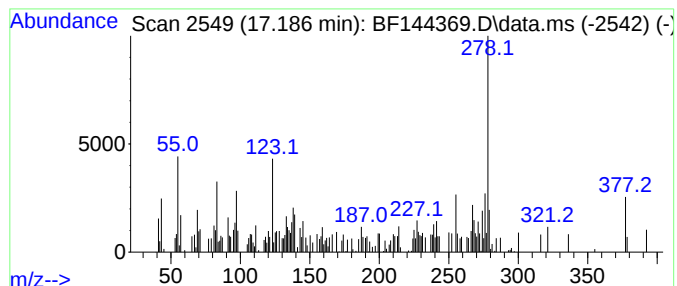
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 17 4-Amino-5-(5-bromothiophen-... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.186	4.59 ng	116285	Perylene-d12	15.521

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			4-Amino-5-(5-bromothiophen-2-yl)...	276	C6H5BrN4S2	1000387-62-6	86
2			Benzo[b]triphenylene	278	C22H14	000215-58-7	42
3			10H-Phenoxaphosphine, 8-fluoro-1...	278	C14H12F03P	037041-13-7	41
4			Estrane-3,17-diol, (3.alpha.,5.a...	278	C18H30O2	010002-95-6	38
5			Vanadium, (.eta.5-2,4-cyclopenta...	278	C17H23V	126948-97-8	38



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112625\
Data File : BF144369.D
Acq On : 26 Nov 2025 19:13
Operator : RC/JU
Sample : Q3719-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST0.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Benzophenone	10.616	5.9	ng	119101	3	9.898	402320	20.0
n-Hexadecanoic ...	11.916	16.6	ng	343009	4	11.392	412538	20.0
1-Octadecene	13.880	5.1	ng	180147	5	14.039	711993	20.0
1-Hexacosene	14.515	4.3	ng	152020	5	14.039	711993	20.0
Benzo[e]pyrene	15.192	8.7	ng	220210	6	15.521	506920	20.0
Oxirane, hexade...	15.739	2.6	ng	66520	6	15.521	506920	20.0
Octacosane	15.968	19.8	ng	501610	6	15.521	506920	20.0
1-Eicosene	16.039	2.2	ng	56851	6	15.521	506920	20.0
Octadecane	16.480	4.3	ng	107748	6	15.521	506920	20.0
Hexacosane	17.086	5.7	ng	145478	6	15.521	506920	20.0
4-Amino-5-(5-br...	17.186	4.6	ng	116285	6	15.521	506920	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112625\
 Data File : BF144370.D
 Acq On : 26 Nov 2025 19:43
 Operator : RC/JU
 Sample : Q3719-08
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
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Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
 Supervised By :mohammad ahmed 12/03/2025

Quant Time: Nov 27 00:51:44 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 05 18:37:33 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	55532	20.000	ng	-0.01
21) Naphthalene-d8	8.139	136	197185	20.000	ng	-0.02
39) Acenaphthene-d10	9.898	164	101598	20.000	ng	-0.02
64) Phenanthrene-d10	11.392	188	149191	20.000	ng	-0.01
76) Chrysene-d12	14.039	240	136224	20.000	ng	-0.01
86) Perylene-d12	15.521	264	168122	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	293859	82.808	ng	0.00
7) Phenol-d6	6.493	99	337512	83.939	ng	0.00
23) Nitrobenzene-d5	7.422	82	201180	58.925	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	90150	70.709	ng	-0.01
45) 2-Fluorobiphenyl	9.216	172	437698	63.628	ng	-0.01
79) Terphenyl-d14	12.980	244	384397	44.822	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.416	178	36451	4.907	ng	98
75) Fluoranthene	12.610	202	85666	11.164	ng	98
78) Pyrene	12.839	202	81247	7.397	ng	99
81) Benzo(a)anthracene	14.027	228	70319m	7.448	ng	
83) Chrysene	14.063	228	67446	7.739	ng	94
87) Indeno(1,2,3-cd)pyrene	17.015	276	30089	2.493	ng	# 95
88) Benzo(b)fluoranthene	15.092	252	92427m	9.670	ng	
89) Benzo(k)fluoranthene	15.104	252	35285m	3.944	ng	
90) Benzo(a)pyrene	15.457	252	68923	7.816	ng	# 95
92) Benzo(g,h,i)perylene	17.474	276	28769	3.006	ng	# 92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

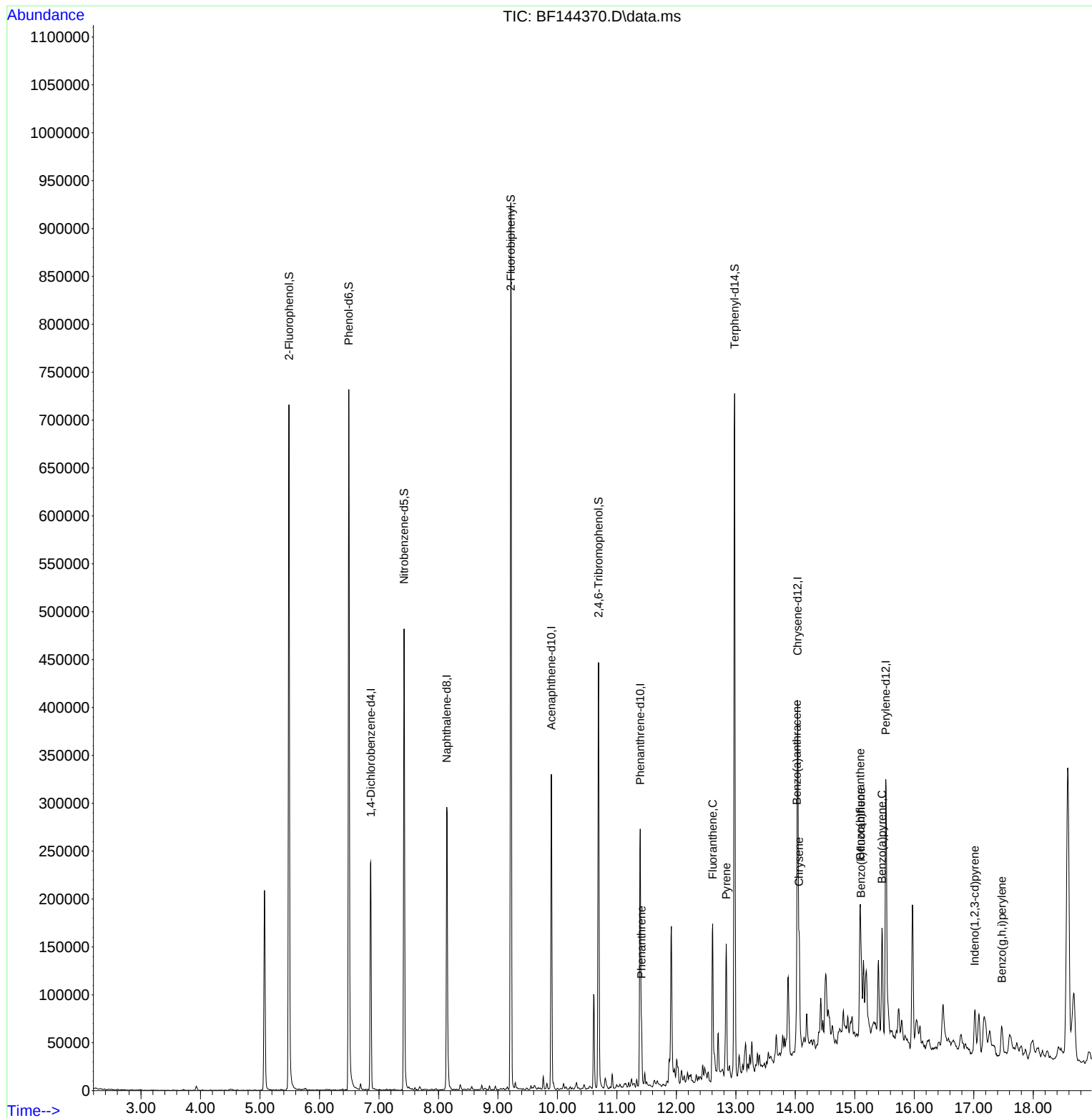
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Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SB-1125-14B

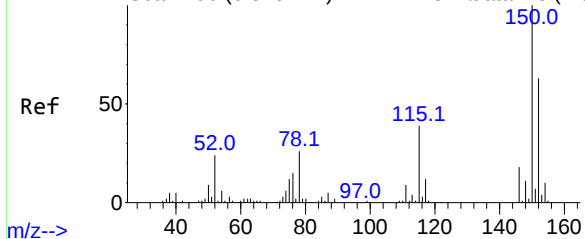
Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025

Quant Time: Nov 27 00:51:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 18:37:33 2025
Response via : Initial Calibration



Abundance Scan 796 (6.875 min): BF144173.D\data.ms (-79



#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.863 min Scan# 796

Delta R.T. -0.012 min

Lab File: BF144370.D

Acq: 26 Nov 2025 19:43

Instrument :

BNA_F

ClientSampleId :

SB-1125-14B

Tgt Ion:152 Resp: 5553

Ion Ratio Lower Upper

152 100

150 152.4 127.4 191.0

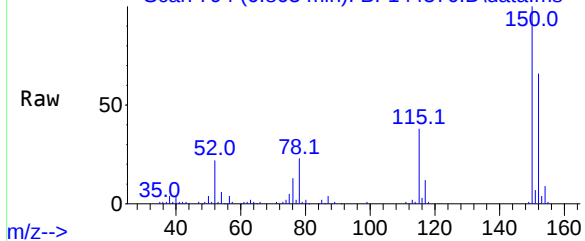
115 58.0 49.5 74.3

Manual Integrations

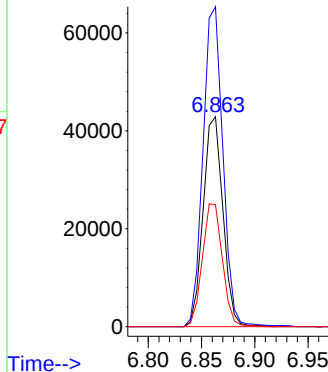
APPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025

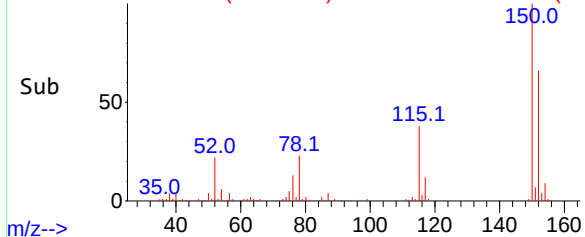
Abundance Scan 794 (6.863 min): BF144370.D\data.ms



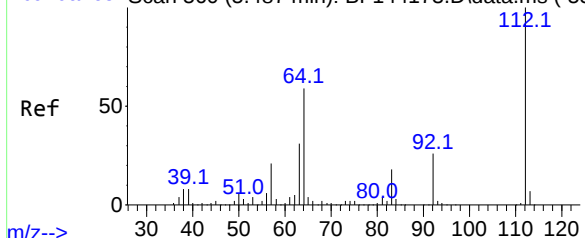
Abundance



Abundance Scan 794 (6.863 min): BF144370.D\data.ms (-77



Abundance Scan 560 (5.487 min): BF144173.D\data.ms (-55



#5

2-Fluorophenol

Concen: 82.808 ng

RT: 5.487 min Scan# 560

Delta R.T. -0.006 min

Lab File: BF144370.D

Acq: 26 Nov 2025 19:43

Tgt Ion:112 Resp: 293859

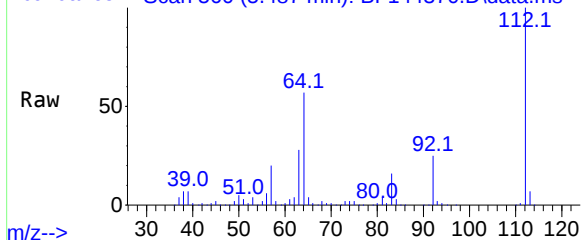
Ion Ratio Lower Upper

112 100

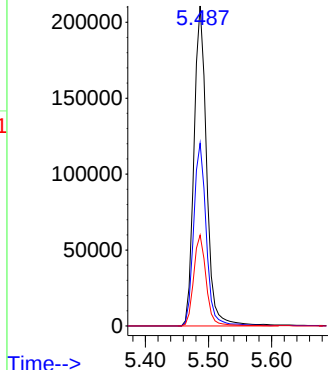
64 57.1 47.2 70.8

63 28.4 24.4 36.6

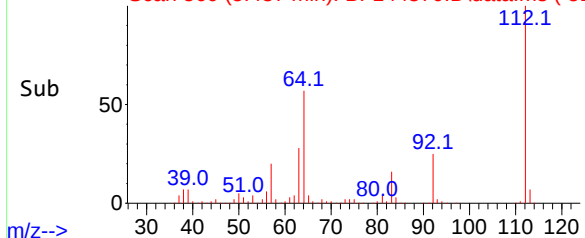
Abundance Scan 560 (5.487 min): BF144370.D\data.ms



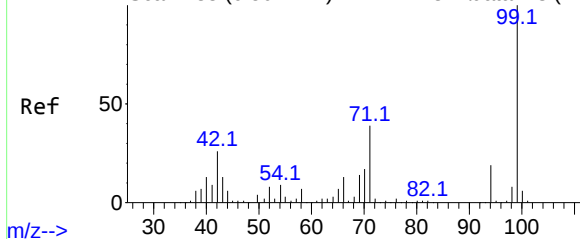
Abundance



Abundance Scan 560 (5.487 min): BF144370.D\data.ms (-51



Abundance Scan 733 (6.504 min): BF144173.D\data.ms (-72



#7

Phenol-d6

Concen: 83.939 ng

RT: 6.493 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF144370.D

Acq: 26 Nov 2025 19:43

Instrument :

BNA_F

ClientSampleId :

SB-1125-14B

Tgt Ion: 99 Resp: 33751

Ion Ratio Lower Upper

99 100

42 23.1 20.9 31.3

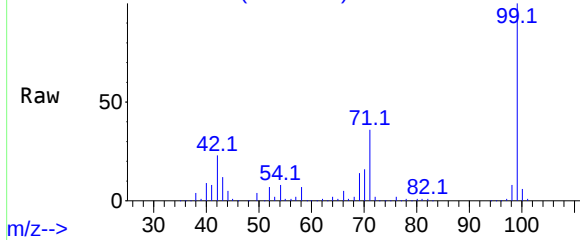
71 35.9 31.4 47.2

Manual Integrations

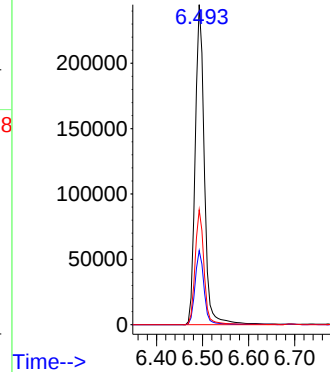
APPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025

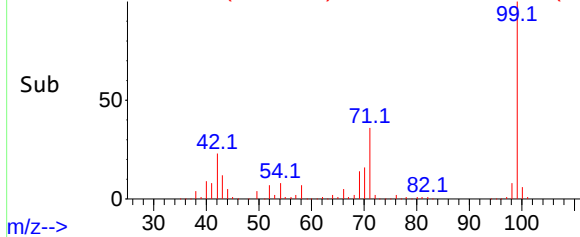
Abundance Scan 731 (6.493 min): BF144370.D\data.ms



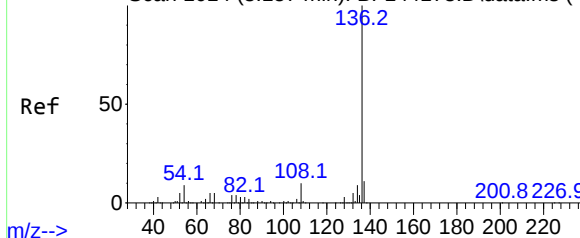
Abundance



Abundance Scan 731 (6.493 min): BF144370.D\data.ms (-68



Abundance Scan 1014 (8.157 min): BF144173.D\data.ms (-1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.139 min Scan# 1011

Delta R.T. -0.018 min

Lab File: BF144370.D

Acq: 26 Nov 2025 19:43

Tgt Ion:136 Resp: 197185

Ion Ratio Lower Upper

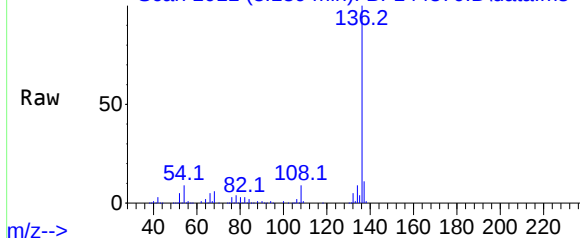
136 100

137 10.9 8.6 13.0

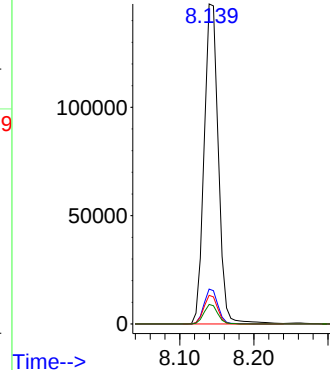
54 8.9 7.0 10.6

68 6.1 4.3 6.5

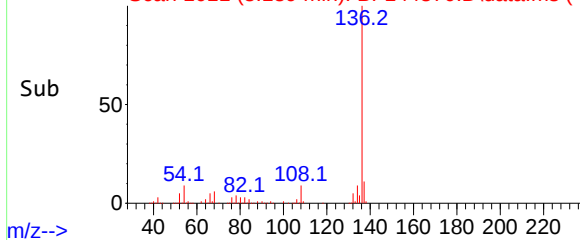
Abundance Scan 1011 (8.139 min): BF144370.D\data.ms



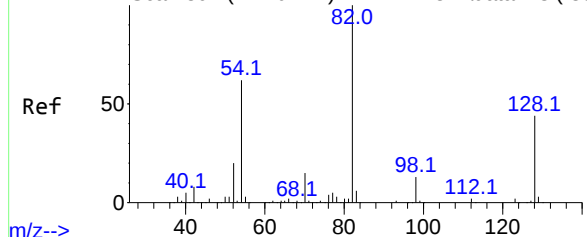
Abundance



Abundance Scan 1011 (8.139 min): BF144370.D\data.ms (-9



Abundance Scan 892 (7.440 min): BF144173.D\data.ms (-88



#23

Nitrobenzene-d5

Concen: 58.925 ng

RT: 7.422 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF144370.D

Acq: 26 Nov 2025 19:43

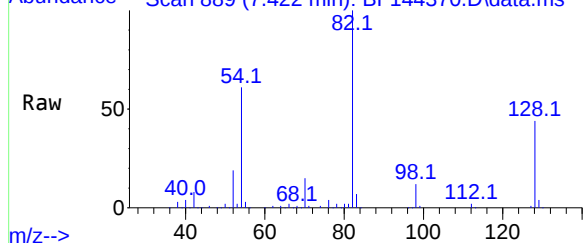
Instrument :

BNA_F

ClientSampleId :

SB-1125-14B

Abundance Scan 889 (7.422 min): BF144370.D\data.ms



Tgt Ion: 82 Resp: 201180

Ion Ratio Lower Upper

82 100

128 44.4 34.7 52.1

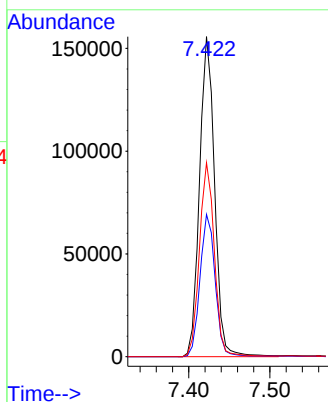
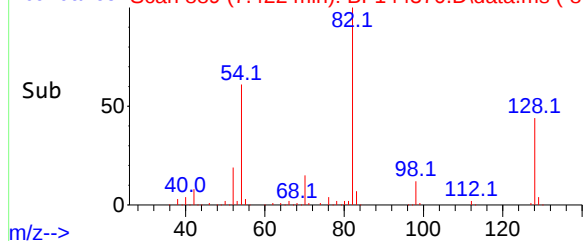
54 60.6 49.5 74.3

Manual Integrations

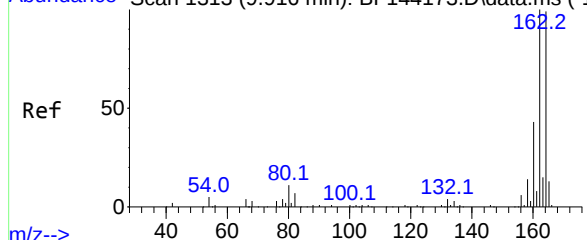
APPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025

Abundance Scan 889 (7.422 min): BF144370.D\data.ms (-84



Abundance Scan 1313 (9.916 min): BF144173.D\data.ms (-1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.898 min Scan# 1310

Delta R.T. -0.018 min

Lab File: BF144370.D

Acq: 26 Nov 2025 19:43

Tgt Ion:164 Resp: 101598

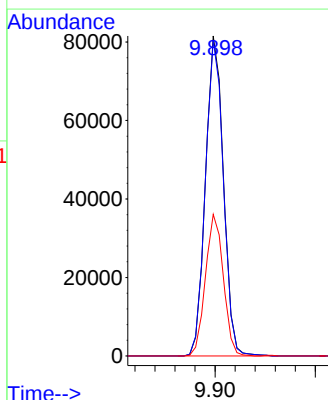
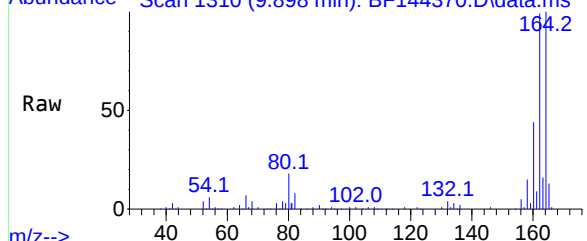
Ion Ratio Lower Upper

164 100

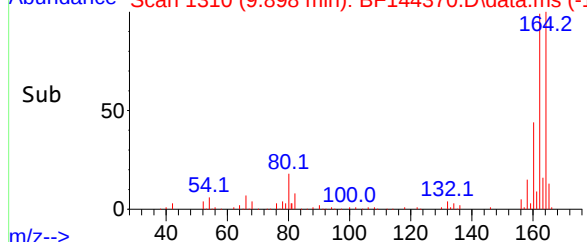
162 98.7 81.1 121.7

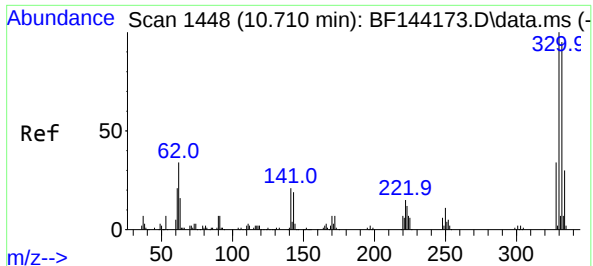
160 44.3 34.5 51.7

Abundance Scan 1310 (9.898 min): BF144370.D\data.ms



Abundance Scan 1310 (9.898 min): BF144370.D\data.ms (-1





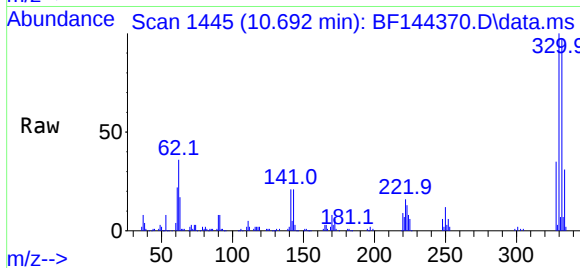
#42
2,4,6-Tribromophenol
Concen: 70.709 ng
RT: 10.692 min Scan# 1445
Delta R.T. -0.012 min
Lab File: BF144370.D
Acq: 26 Nov 2025 19:43

Instrument :

BNA_F

ClientSampleId :

SB-1125-14B

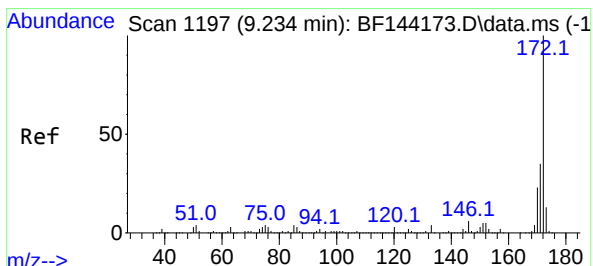
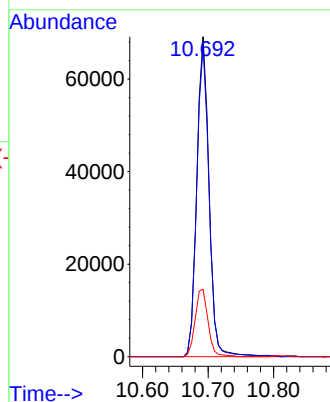
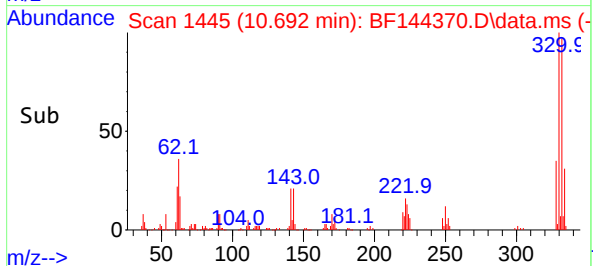


Tgt Ion:330 Resp: 90150
Ion Ratio Lower Upper
330 100
332 97.0 76.7 115.1
141 22.2 17.8 26.8

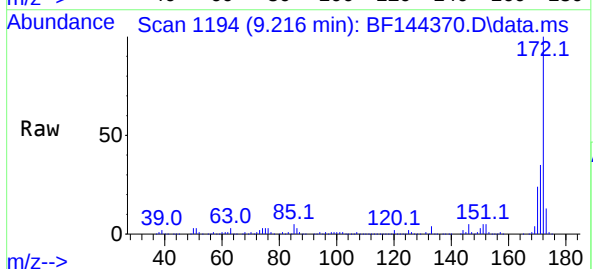
Manual Integrations

APPROVED

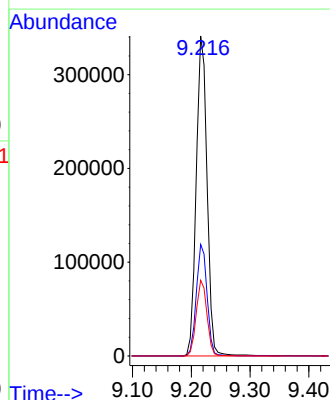
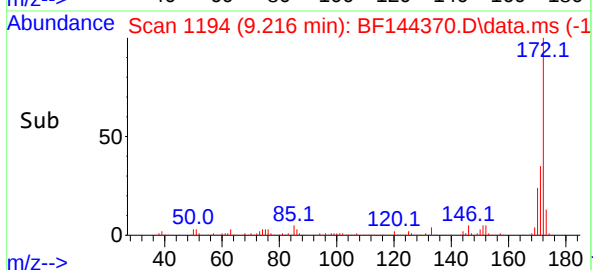
Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025

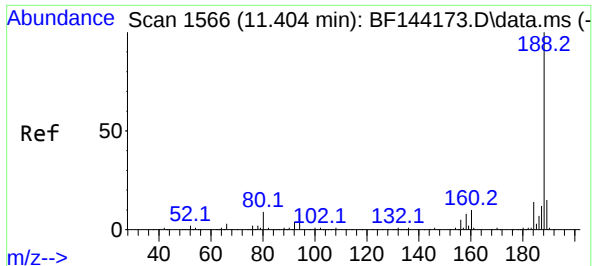


#45
2-Fluorobiphenyl
Concen: 63.628 ng
RT: 9.216 min Scan# 1194
Delta R.T. -0.012 min
Lab File: BF144370.D
Acq: 26 Nov 2025 19:43



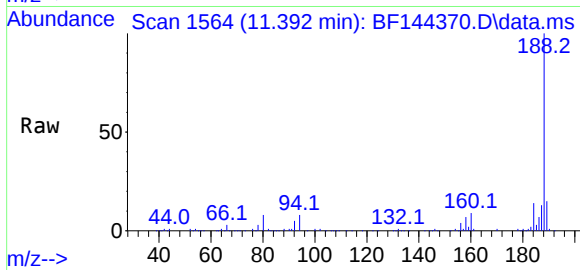
Tgt Ion:172 Resp: 437698
Ion Ratio Lower Upper
172 100
171 34.9 28.1 42.1
170 23.7 18.6 28.0





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF144370.D
Acq: 26 Nov 2025 19:43

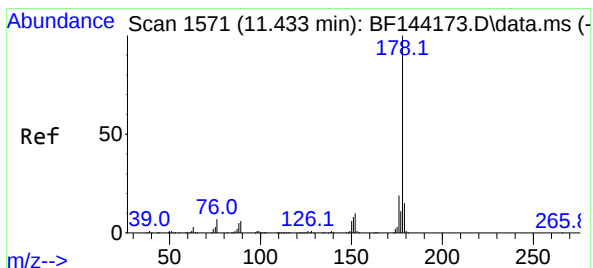
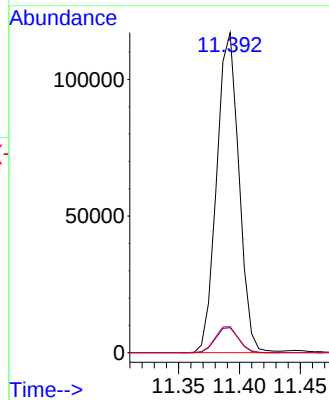
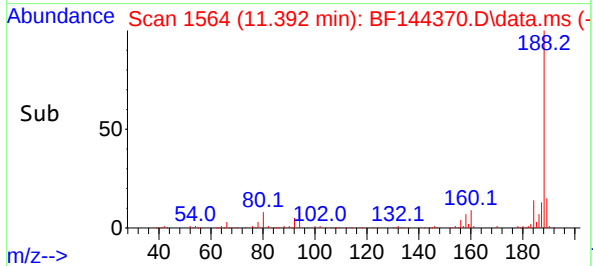
Instrument :
BNA_F
ClientSampleId :
SB-1125-14B



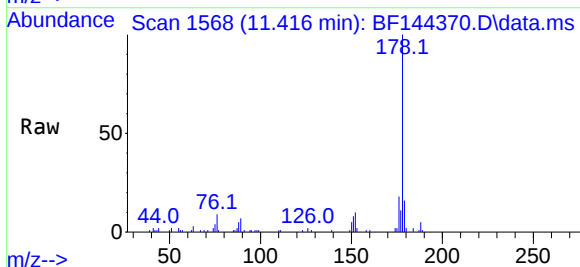
Tgt Ion:188 Resp: 14919
Ion Ratio Lower Upper
188 100
94 7.8 6.2 9.2
80 8.2 6.9 10.3

Manual Integrations
APPROVED

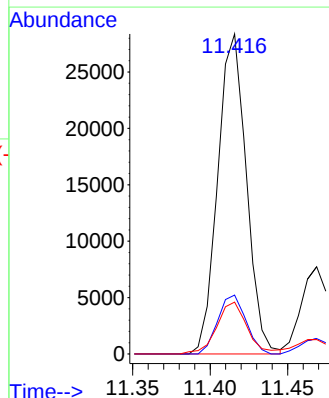
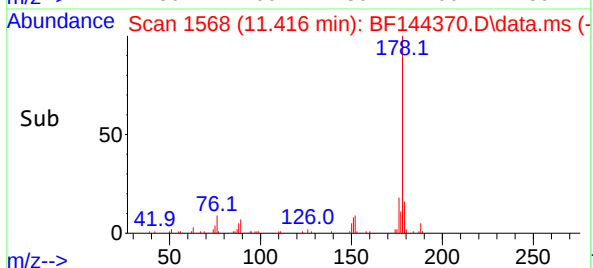
Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025



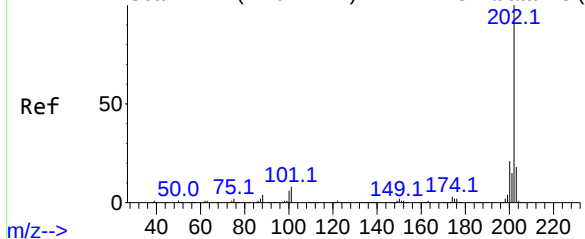
#71
Phenanthrene
Concen: 4.907 ng
RT: 11.416 min Scan# 1568
Delta R.T. -0.012 min
Lab File: BF144370.D
Acq: 26 Nov 2025 19:43



Tgt Ion:178 Resp: 36451
Ion Ratio Lower Upper
178 100
176 18.4 15.5 23.3
179 16.2 12.2 18.4



Abundance Scan 1774 (12.627 min): BF144173.D\data.ms (-



#75

Fluoranthene

Concen: 11.164 ng

RT: 12.610 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF144370.D

Acq: 26 Nov 2025 19:43

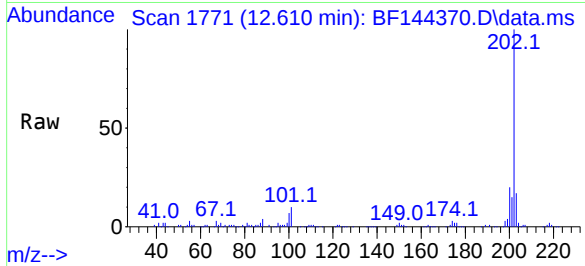
Instrument :

BNA_F

ClientSampleId :

SB-1125-14B

m/z--> Abundance Scan 1771 (12.610 min): BF144370.D\data.ms



Tgt Ion: 202 Resp: 8566

Ion Ratio Lower Upper

202 100

101 9.5 0.0 27.9

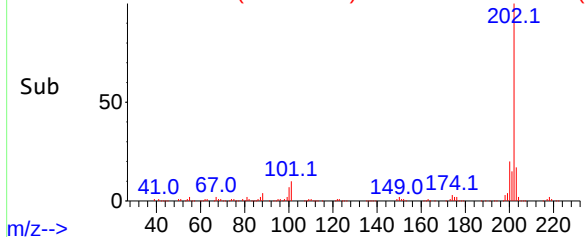
203 17.0 0.0 37.5

Manual Integrations

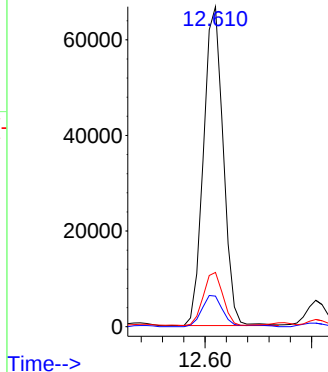
APPROVED

Reviewed By : Jagrut Upadhyay 12/02/2025
Supervised By : mohammad ahmed 12/03/2025

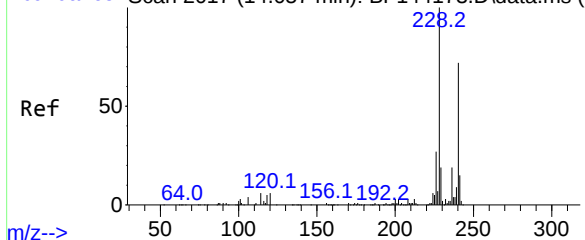
Abundance Scan 1771 (12.610 min): BF144370.D\data.ms (-



Abundance



Abundance Scan 2017 (14.057 min): BF144173.D\data.ms (-



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.039 min Scan# 2014

Delta R.T. -0.012 min

Lab File: BF144370.D

Acq: 26 Nov 2025 19:43

Tgt Ion: 240 Resp: 136224

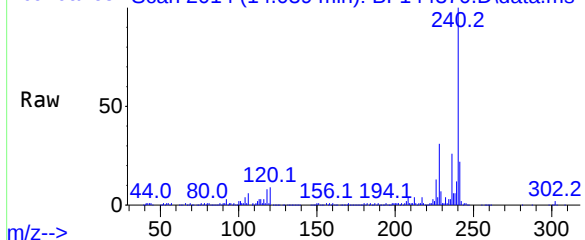
Ion Ratio Lower Upper

240 100

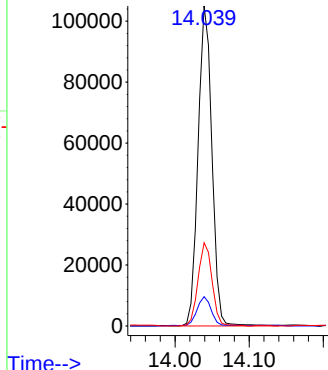
120 9.1 6.6 10.0

236 26.0 21.4 32.2

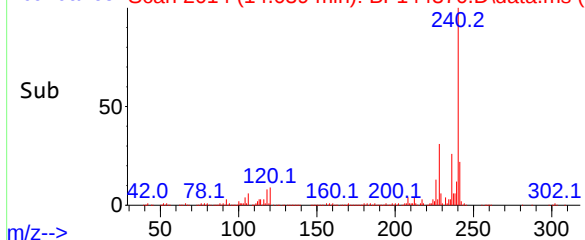
m/z--> Abundance Scan 2014 (14.039 min): BF144370.D\data.ms



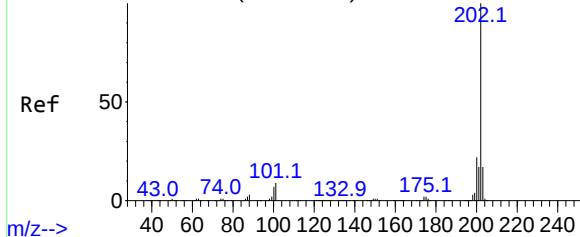
Abundance



Abundance Scan 2014 (14.039 min): BF144370.D\data.ms (-



Abundance Scan 1813 (12.857 min): BF144173.D\data.ms (-



#78

Pyrene

Concen: 7.397 ng

RT: 12.839 min Scan# 1813

Delta R.T. -0.012 min

Lab File: BF144370.D

Acq: 26 Nov 2025 19:43

Instrument :

BNA_F

ClientSampleId :

SB-1125-14B

Tgt Ion:202 Resp: 8124

Ion Ratio Lower Upper

202 100

200 20.6 17.2 25.8

203 17.4 13.7 20.5

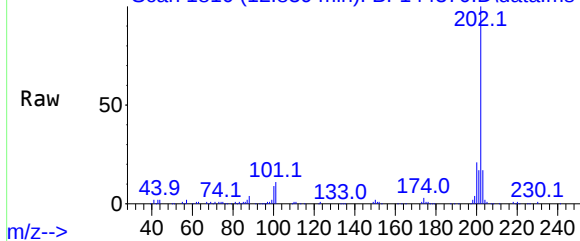
Manual Integrations

APPROVED

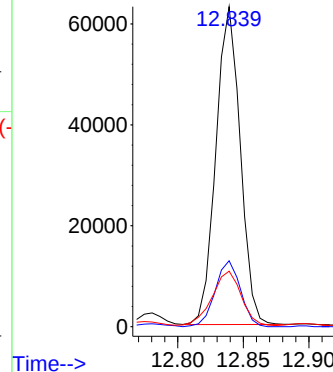
Reviewed By :Jagrut Upadhyay 12/02/2025

Supervised By :mohammad ahmed 12/03/2025

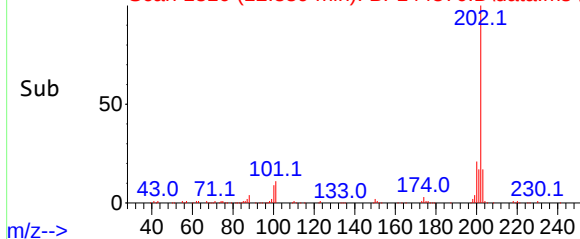
Abundance Scan 1810 (12.839 min): BF144370.D\data.ms



Abundance

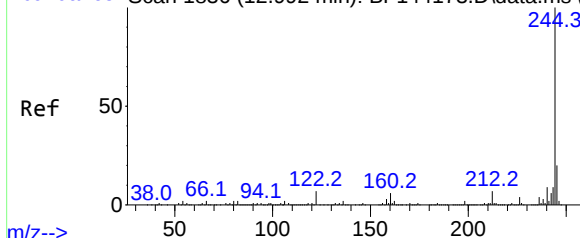


Abundance Scan 1810 (12.839 min): BF144370.D\data.ms (-



Time-->

Abundance Scan 1836 (12.992 min): BF144173.D\data.ms (-



#79

Terphenyl-d14

Concen: 44.822 ng

RT: 12.980 min Scan# 1834

Delta R.T. -0.012 min

Lab File: BF144370.D

Acq: 26 Nov 2025 19:43

Tgt Ion:244 Resp: 384397

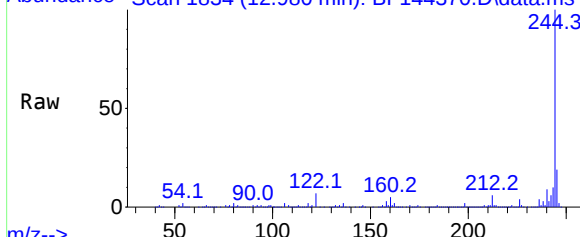
Ion Ratio Lower Upper

244 100

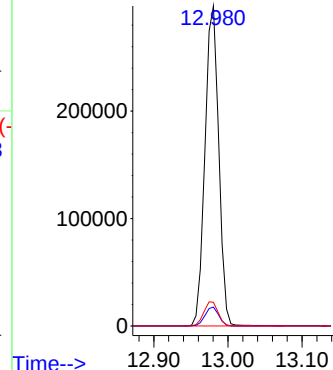
212 5.9 5.3 7.9

122 7.4 5.6 8.4

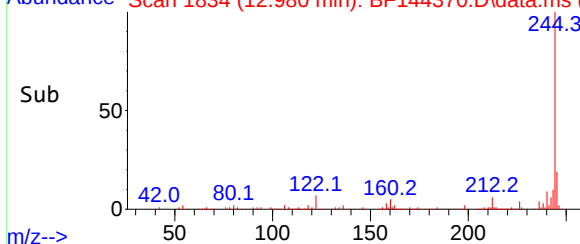
Abundance Scan 1834 (12.980 min): BF144370.D\data.ms



Abundance

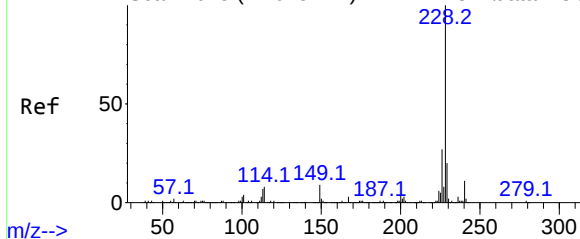


Abundance Scan 1834 (12.980 min): BF144370.D\data.ms (-



Time-->

Abundance Scan 2015 (14.045 min): BF144173.D\data.ms (-



#81

Benzo(a)anthracene

Concen: 7.448 ng m

RT: 14.027 min Scan# 2012

Delta R.T. -0.018 min

Lab File: BF144370.D

Acq: 26 Nov 2025 19:43

Instrument :

BNA_F

ClientSampleId :

SB-1125-14B

Tgt Ion:228 Resp: 70319

Ion Ratio Lower Upper

228 100

226 34.3 21.8 32.8

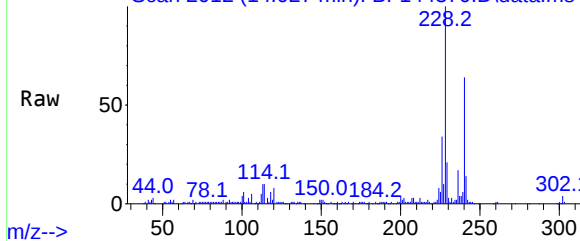
229 21.5 15.8 23.6

Manual Integrations

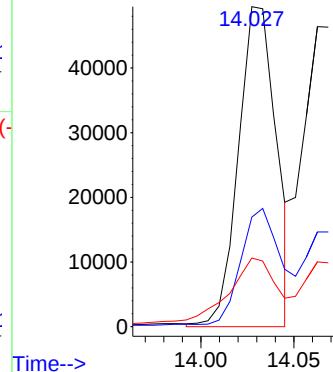
APPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025

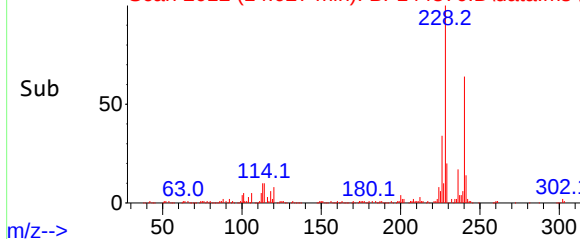
Abundance Scan 2012 (14.027 min): BF144370.D\data.ms



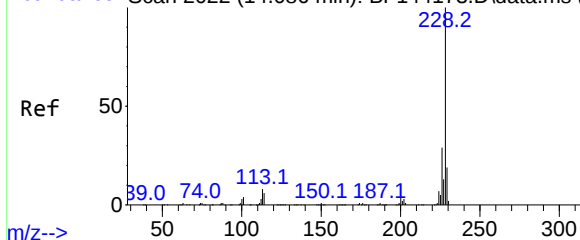
Abundance



Abundance Scan 2012 (14.027 min): BF144370.D\data.ms (-



Abundance Scan 2022 (14.086 min): BF144173.D\data.ms (-



#83

Chrysene

Concen: 7.739 ng

RT: 14.063 min Scan# 2018

Delta R.T. -0.018 min

Lab File: BF144370.D

Acq: 26 Nov 2025 19:43

Tgt Ion:228 Resp: 67446

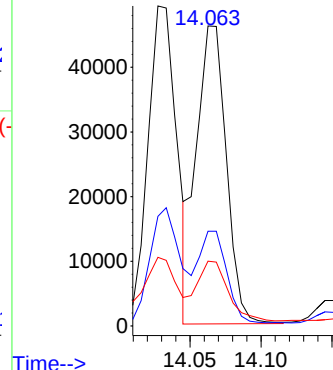
Ion Ratio Lower Upper

228 100

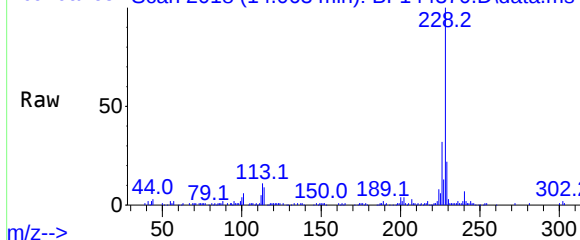
226 31.6 22.9 34.3

229 21.6 15.0 22.6

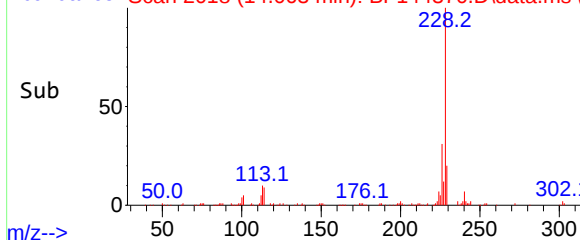
Abundance



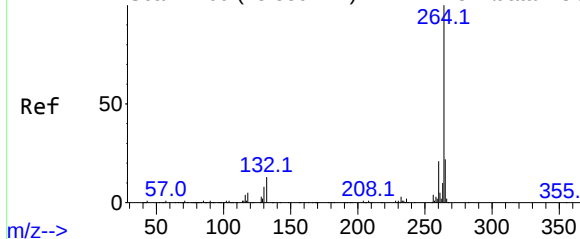
Abundance Scan 2018 (14.063 min): BF144370.D\data.ms



Abundance Scan 2018 (14.063 min): BF144370.D\data.ms (-



Abundance Scan 2269 (15.539 min): BF144173.D\data.ms (-



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.521 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF144370.D

Acq: 26 Nov 2025 19:43

Instrument :

BNA_F

ClientSampleId :

SB-1125-14B

Tgt Ion:264 Resp: 16812

Ion Ratio Lower Upper

264 100

260 20.9 17.1 25.7

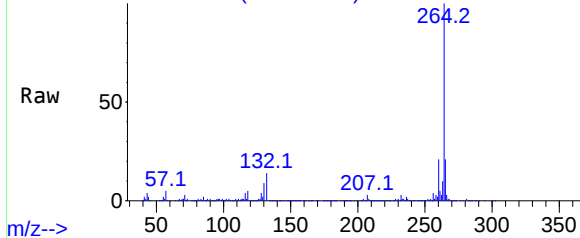
265 20.9 17.4 26.0

Manual Integrations

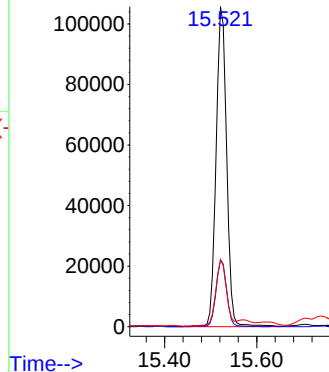
APPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025

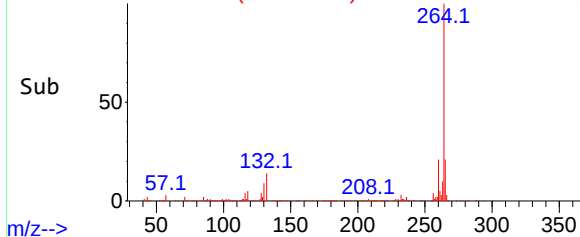
Abundance Scan 2266 (15.521 min): BF144370.D\data.ms



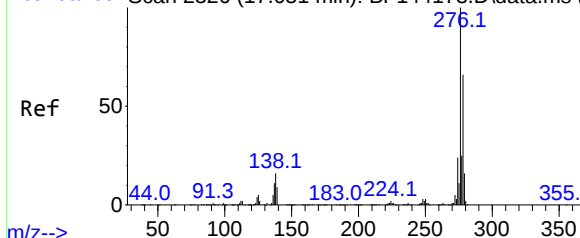
Abundance



Abundance Scan 2266 (15.521 min): BF144370.D\data.ms (-



Abundance Scan 2526 (17.051 min): BF144173.D\data.ms (-



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.493 ng

RT: 17.015 min Scan# 2520

Delta R.T. -0.018 min

Lab File: BF144370.D

Acq: 26 Nov 2025 19:43

Tgt Ion:276 Resp: 30089

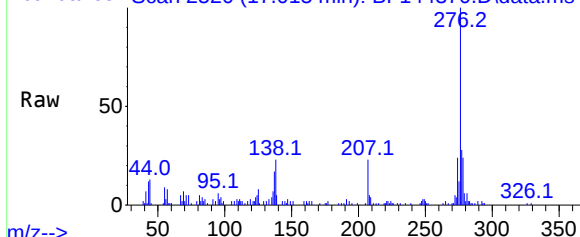
Ion Ratio Lower Upper

276 100

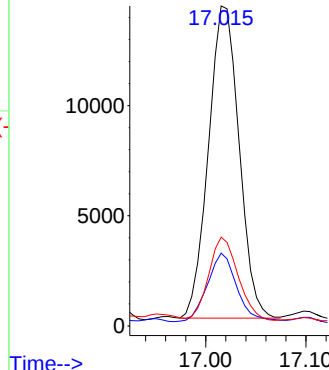
138 21.1 13.9 20.9#

277 25.9 19.8 29.6

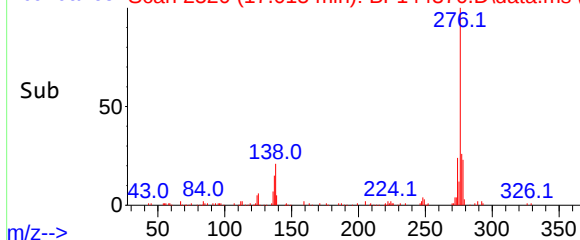
Abundance Scan 2520 (17.015 min): BF144370.D\data.ms



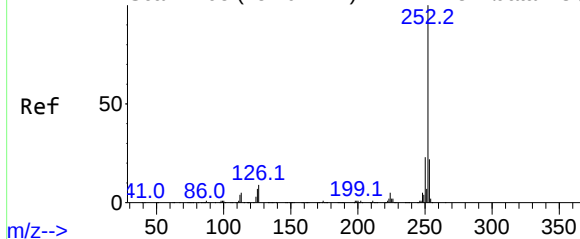
Abundance



Abundance Scan 2520 (17.015 min): BF144370.D\data.ms (-



Abundance Scan 2195 (15.104 min): BF144173.D\data.ms (-



#88

Benzo(b)fluoranthene

Concen: 9.670 ng m

RT: 15.092 min Scan# 2195

Delta R.T. -0.006 min

Lab File: BF144370.D

Acq: 26 Nov 2025 19:43

Instrument :

BNA_F

ClientSampleId :

SB-1125-14B

Tgt Ion:252 Resp: 9242

Ion Ratio Lower Upper

252 100

253 22.6 17.4 26.2

125 9.7 5.3 7.9

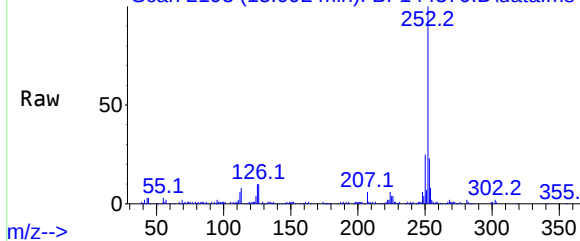
Manual Integrations

APPROVED

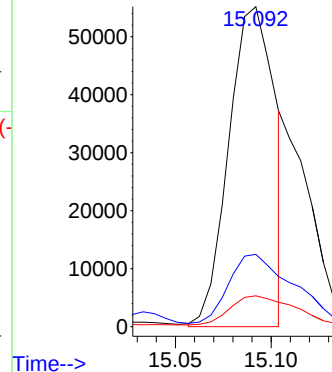
Reviewed By :Jagrut Upadhyay 12/02/2025

Supervised By :mohammad ahmed 12/03/2025

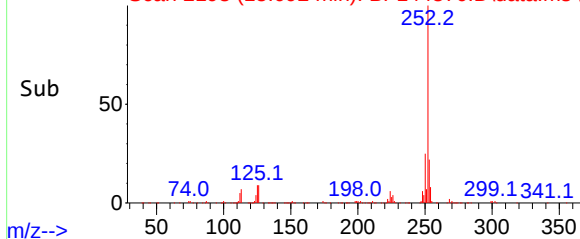
Abundance Scan 2193 (15.092 min): BF144370.D\data.ms



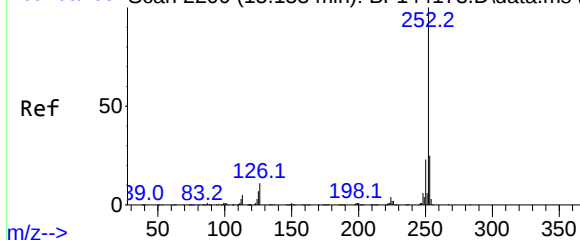
Abundance



Abundance Scan 2193 (15.092 min): BF144370.D\data.ms (-



Abundance Scan 2200 (15.133 min): BF144173.D\data.ms (-



#89

Benzo(k)fluoranthene

Concen: 3.944 ng m

RT: 15.104 min Scan# 2195

Delta R.T. -0.024 min

Lab File: BF144370.D

Acq: 26 Nov 2025 19:43

Tgt Ion:252 Resp: 35285

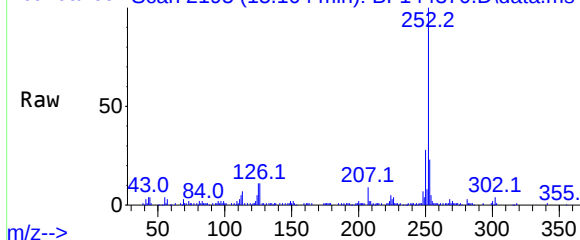
Ion Ratio Lower Upper

252 100

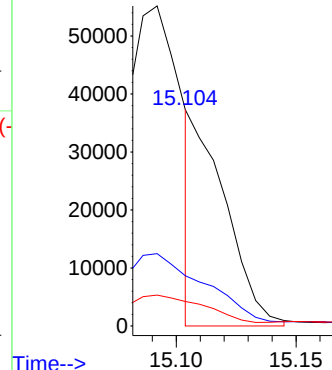
253 23.2 18.0 27.0

125 11.3 5.4 8.2#

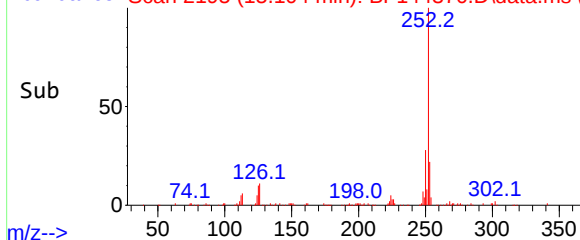
Abundance Scan 2195 (15.104 min): BF144370.D\data.ms



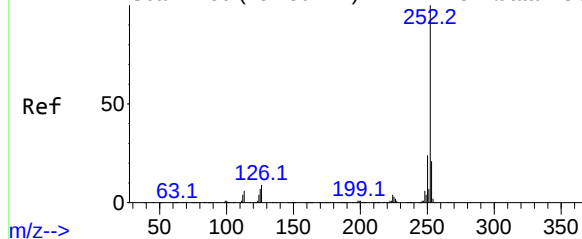
Abundance



Abundance Scan 2195 (15.104 min): BF144370.D\data.ms (-



Abundance Scan 2259 (15.480 min): BF144173.D\data.ms (-



#90

Benzo(a)pyrene

Concen: 7.816 ng

RT: 15.457 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF144370.D

Acq: 26 Nov 2025 19:43

Instrument :

BNA_F

ClientSampleId :

SB-1125-14B

Tgt Ion:252 Resp: 6892

Ion Ratio Lower Upper

252 100

253 22.5 16.7 25.1

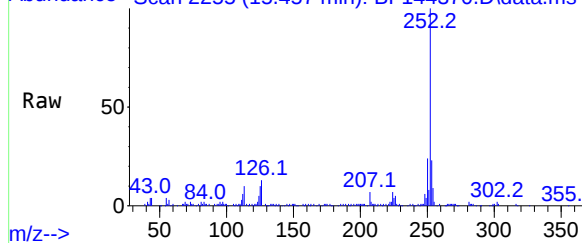
125 10.1 5.7 8.5

Manual Integrations

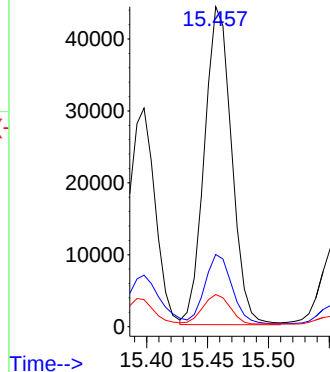
APPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025

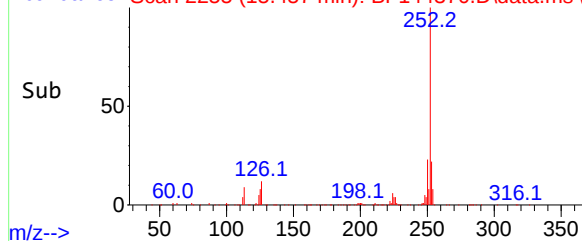
Abundance Scan 2255 (15.457 min): BF144370.D\data.ms



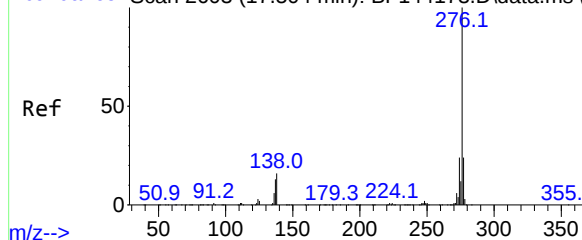
Abundance



Abundance Scan 2255 (15.457 min): BF144370.D\data.ms (-



Abundance Scan 2603 (17.504 min): BF144173.D\data.ms (-



#92

Benzo(g,h,i)perylene

Concen: 3.006 ng

RT: 17.474 min Scan# 2598

Delta R.T. -0.018 min

Lab File: BF144370.D

Acq: 26 Nov 2025 19:43

Tgt Ion:276 Resp: 28769

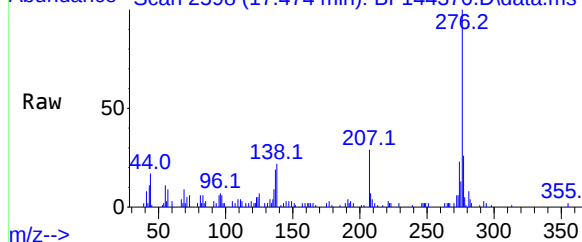
Ion Ratio Lower Upper

276 100

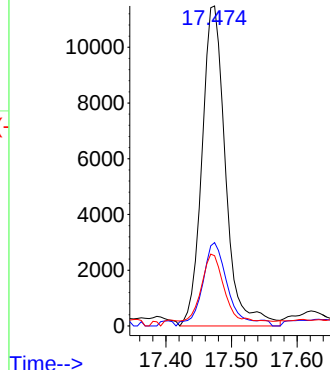
277 26.0 19.0 28.4

138 22.0 12.9 19.3#

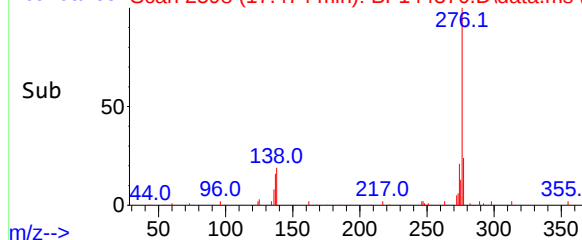
Abundance Scan 2598 (17.474 min): BF144370.D\data.ms



Abundance



Abundance Scan 2598 (17.474 min): BF144370.D\data.ms (-



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112625\
 Data File : BF144370.D
 Acq On : 26 Nov 2025 19:43
 Operator : RC/JU
 Sample : Q3719-08
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-1125-14B

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF144370.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.075	484	490	500	rBV	208259	311255	26.71%	2.448%
2	5.487	555	560	583	rVB	714763	980373	84.13%	7.711%
3	6.493	726	731	750	rBV	731533	1004534	86.20%	7.901%
4	6.863	788	794	801	rBV	237718	310257	26.62%	2.440%
5	7.422	884	889	900	rBV	481575	625958	53.72%	4.923%
6	8.139	1003	1011	1020	rBV	294980	420786	36.11%	3.310%
7	9.216	1189	1194	1204	rBV	925905	1165287	100.00%	9.165%
8	9.763	1282	1287	1291	rBV	13158	15989	1.37%	0.126%
9	9.898	1305	1310	1315	rBV	327879	407401	34.96%	3.204%
10	10.610	1426	1431	1438	rBV	98165	130235	11.18%	1.024%
11	10.692	1439	1445	1459	rVV	444858	596069	51.15%	4.688%
12	10.804	1459	1464	1473	rVB6	11001	22792	1.96%	0.179%
13	10.922	1480	1484	1488	rVB	14165	17414	1.49%	0.137%
14	11.392	1558	1564	1574	rVV2	268505	427764	36.71%	3.364%
15	11.469	1574	1577	1580	rVV	11351	12429	1.07%	0.098%
16	11.633	1599	1605	1609	rBV6	6737	14666	1.26%	0.115%
17	11.680	1609	1613	1625	rVB6	6009	16058	1.38%	0.126%
18	11.880	1643	1647	1648	rBV2	24095	29275	2.51%	0.230%
19	11.916	1648	1653	1660	rVB2	155456	238361	20.46%	1.875%
20	12.004	1665	1668	1677	rVB3	24949	55049	4.72%	0.433%
21	12.086	1677	1682	1686	rBV6	13256	23091	1.98%	0.182%
22	12.186	1693	1699	1702	rBV2	10173	15418	1.32%	0.121%
23	12.445	1739	1743	1746	rBV	14814	20415	1.75%	0.161%
24	12.475	1746	1748	1755	rVB5	11070	17939	1.54%	0.141%
25	12.533	1755	1758	1763	rVB3	9503	13982	1.20%	0.110%
26	12.610	1766	1771	1781	rBV	165169	282890	24.28%	2.225%
27	12.704	1783	1787	1793	rVB2	40490	56518	4.85%	0.445%
28	12.839	1803	1810	1816	rBV	137170	210740	18.08%	1.657%
29	12.892	1816	1819	1824	rVB2	12186	18638	1.60%	0.147%
30	12.980	1824	1834	1842	rBV	714115	963694	82.70%	7.580%
31	13.057	1842	1847	1853	rBV4	21441	40863	3.51%	0.321%
32	13.163	1859	1865	1869	rVB	28292	54633	4.69%	0.430%
33	13.233	1874	1877	1879	rVV	18112	21884	1.88%	0.172%
34	13.269	1879	1883	1891	rVB2	31219	53037	4.55%	0.417%
35	13.363	1896	1899	1902	rVV2	13397	16634	1.43%	0.131%
36	13.398	1902	1905	1908	rVB2	11157	13505	1.16%	0.106%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112625\
 Data File : BF144370.D
 Acq On : 26 Nov 2025 19:43
 Operator : RC/JU
 Sample : Q3719-08
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-1125-14B

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	13.545	1927	1930	1933	rBV3	11681	16802	1.44%	0.132%
38	13.680	1950	1953	1958	rVB	21795	27647	2.37%	0.217%
39	13.880	1982	1987	1994	rVB4	80705	150022	12.87%	1.180%
40	14.039	2006	2014	2018	rBV2	365439	642259	55.12%	5.051%
41	14.192	2037	2040	2046	rVB4	30852	45078	3.87%	0.355%
42	14.392	2072	2074	2076	rBV2	10454	12967	1.11%	0.102%
43	14.427	2076	2080	2084	rVV	37739	52272	4.49%	0.411%
44	14.510	2089	2094	2099	rBV3	60305	132191	11.34%	1.040%
45	14.721	2127	2130	2131	rBV3	12508	13421	1.15%	0.106%
46	14.810	2142	2145	2151	rVB4	18190	23041	1.98%	0.181%
47	15.092	2187	2193	2199	rBV	137039	315413	27.07%	2.481%
48	15.145	2199	2202	2205	rVV	77400	116238	9.98%	0.914%
49	15.192	2206	2210	2223	rVB2	65588	169794	14.57%	1.335%
50	15.398	2240	2245	2250	rVB	72894	114559	9.83%	0.901%
51	15.457	2251	2255	2261	rVB	109231	168769	14.48%	1.327%
52	15.521	2261	2266	2278	rVB	264475	476314	40.88%	3.746%
53	15.739	2299	2303	2307	rVB3	24579	39328	3.37%	0.309%
54	15.968	2336	2342	2348	rBV	149882	278230	23.88%	2.188%
55	16.486	2424	2430	2441	rVB2	37829	95506	8.20%	0.751%
56	17.021	2515	2521	2526	rBV2	42331	92278	7.92%	0.726%
57	17.086	2528	2532	2539	rVB2	39132	80415	6.90%	0.632%
58	17.174	2542	2547	2557	rVV6	29133	94538	8.11%	0.744%
59	17.468	2593	2597	2606	rVB	27213	57501	4.93%	0.452%
60	18.580	2776	2786	2795	rBV2	295165	873987	75.00%	6.874%

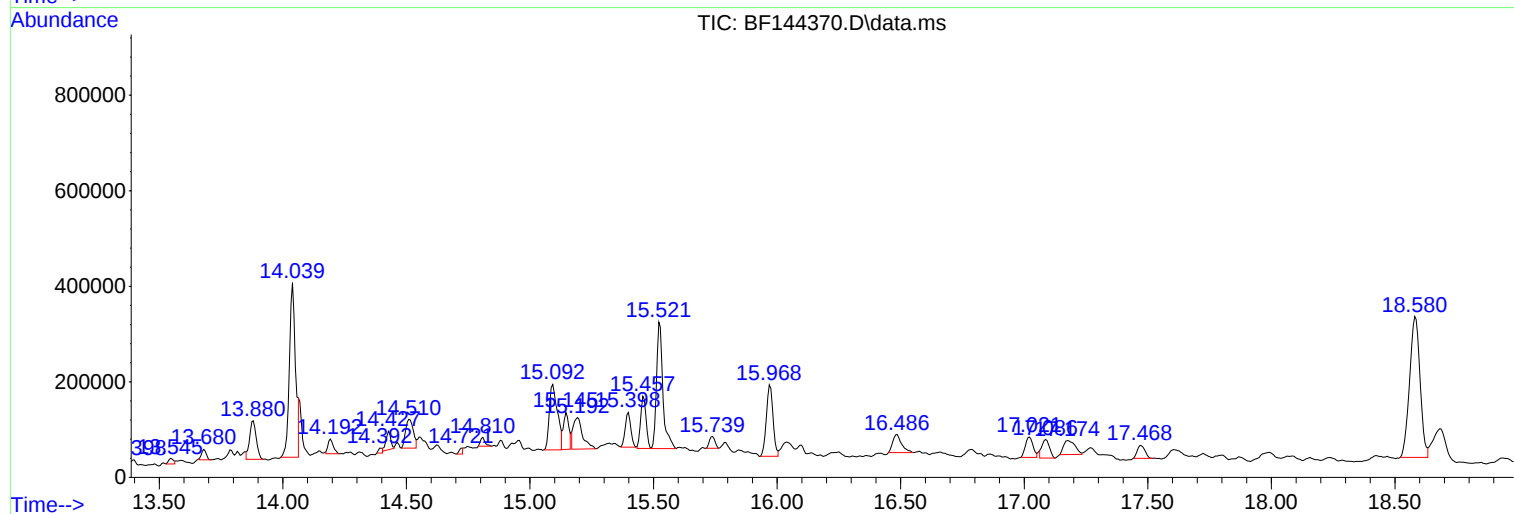
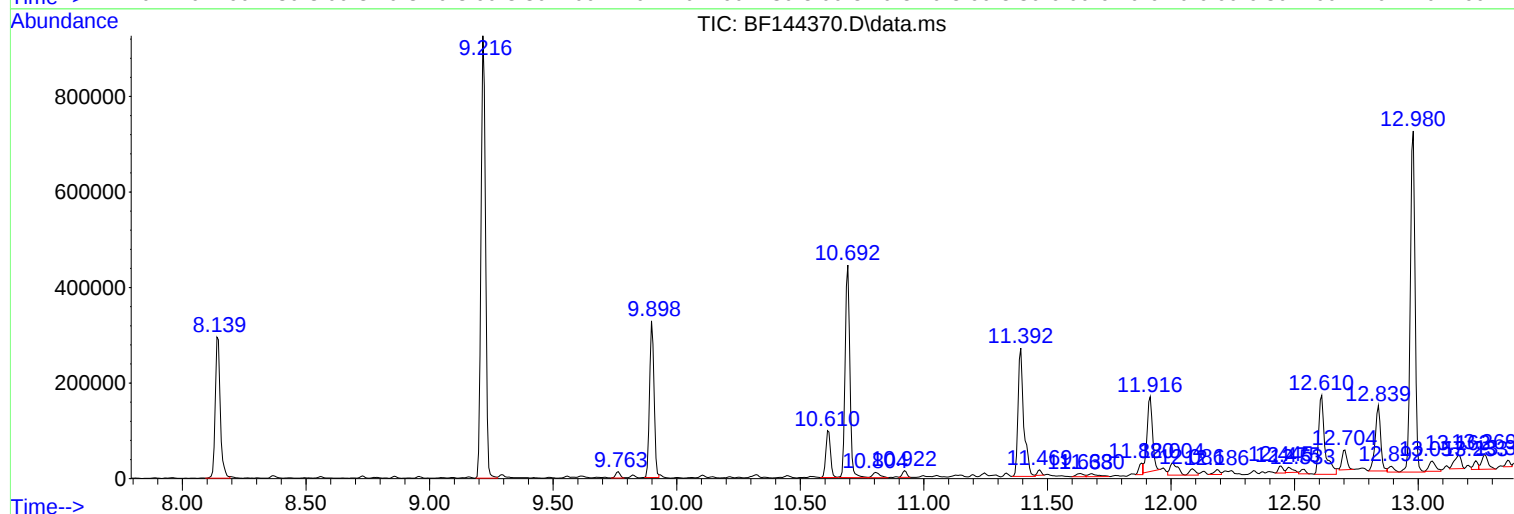
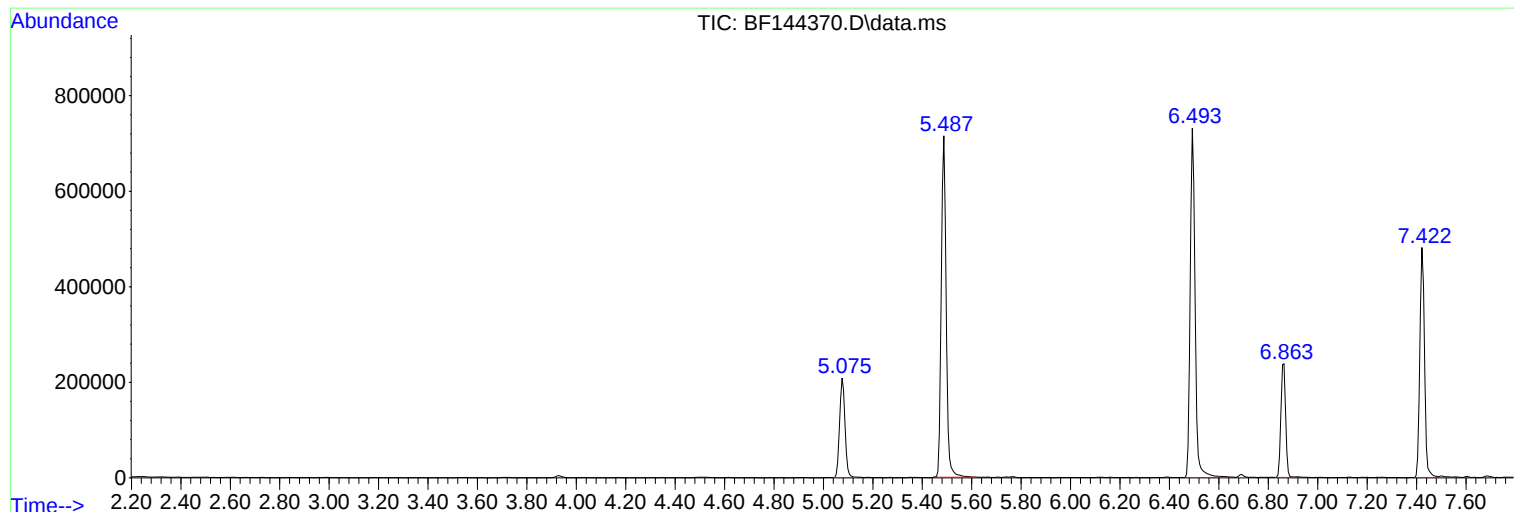
Sum of corrected areas: 12714403

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112625\
Data File : BF144370.D
Acq On : 26 Nov 2025 19:43
Operator : RC/JU
Sample : Q3719-08
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-1125-14B

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112625\
Data File : BF144370.D
Acq On : 26 Nov 2025 19:43
Operator : RC/JU
Sample : Q3719-08
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-1125-14B

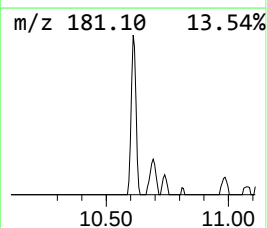
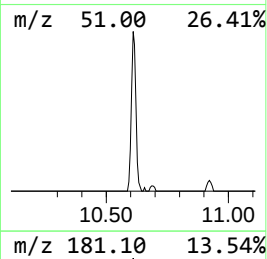
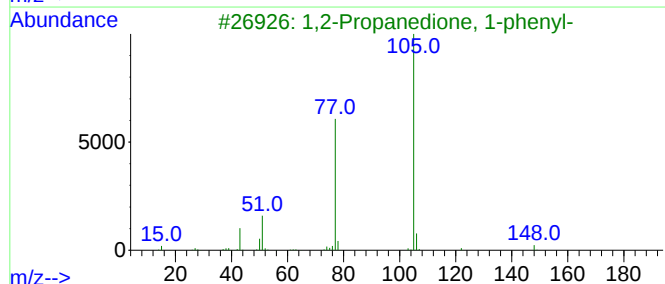
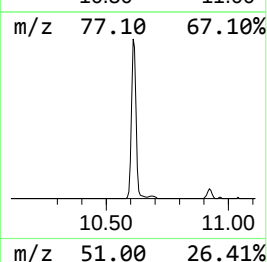
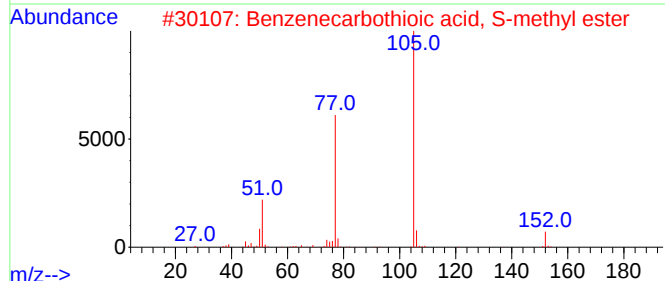
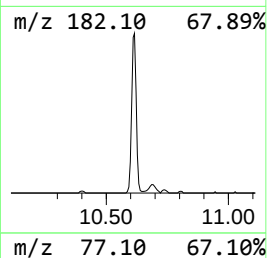
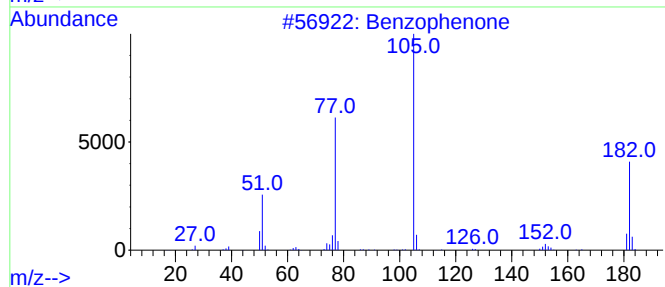
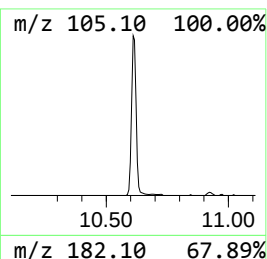
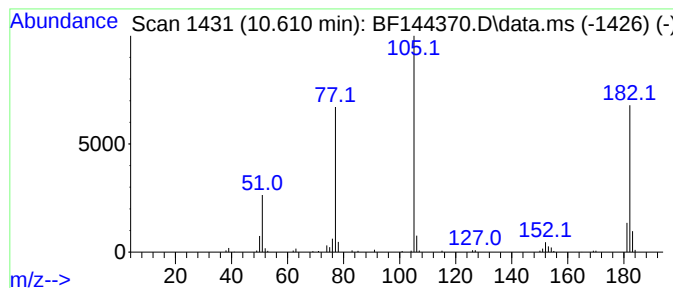
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Benzophenone Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.610	6.39 ng	130235	Acenaphthene-d10	9.898

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	96
2			Benzenecarbothioic acid, S-methy...	152	C8H8OS	005925-68-8	46
3			1,2-Propanedione, 1-phenyl-	148	C9H8O2	000579-07-7	43
4			1-Propanone, 3-chloro-1-phenyl-	168	C9H9ClO	000936-59-4	43
5			2-Benzoyl-4-bromo-5-methyl-1,2-o...	281	C11H8BrNO3	1000444-92-3	43



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112625\
Data File : BF144370.D
Acq On : 26 Nov 2025 19:43
Operator : RC/JU
Sample : Q3719-08
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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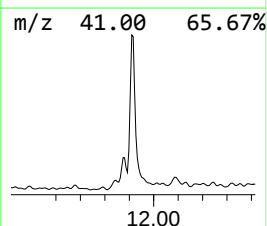
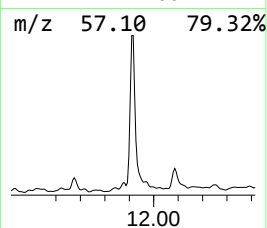
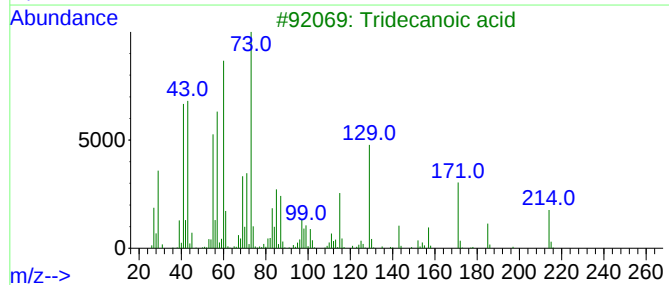
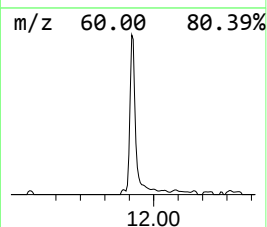
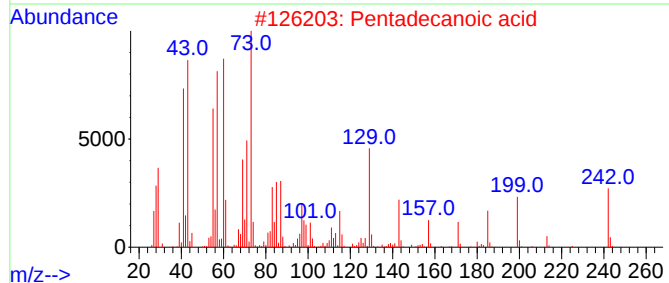
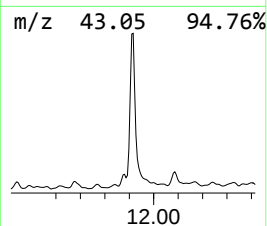
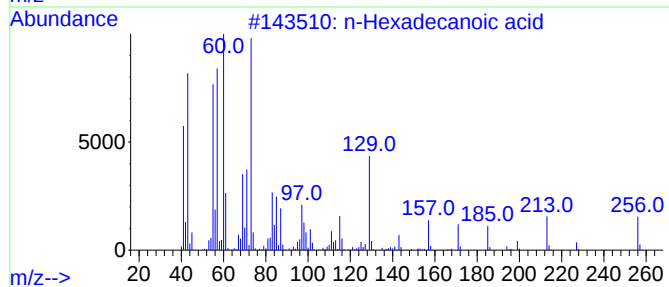
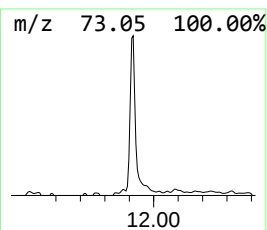
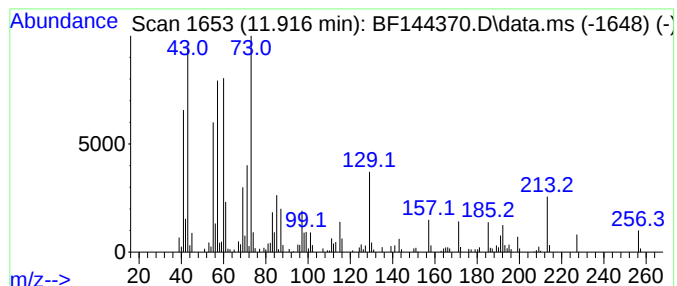
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 n-Hexadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.916	11.14 ng	238361	Phenanthrene-d10	11.392

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
2			Pentadecanoic acid	242	C15H30O2	001002-84-2	74
3			Tridecanoic acid	214	C13H26O2	000638-53-9	64
4			n-Decanoic acid	172	C10H20O2	000334-48-5	46
5			Carbonic acid, octadecyl prop-1-...	354	C22H42O3	1000383-11-5	18



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112625\
Data File : BF144370.D
Acq On : 26 Nov 2025 19:43
Operator : RC/JU
Sample : Q3719-08
Misc :
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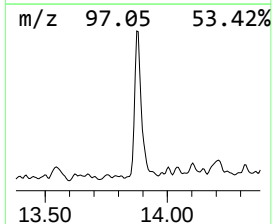
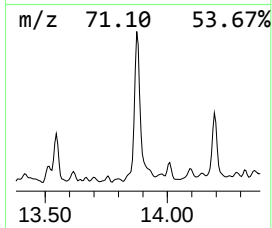
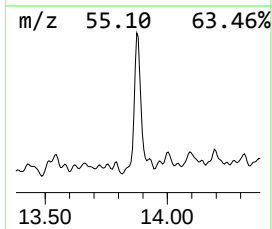
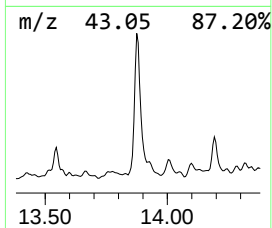
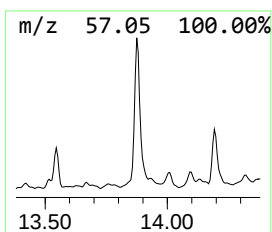
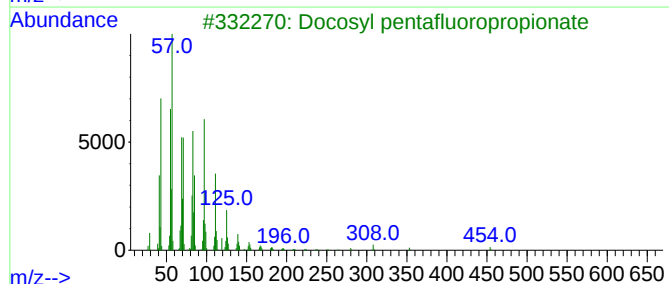
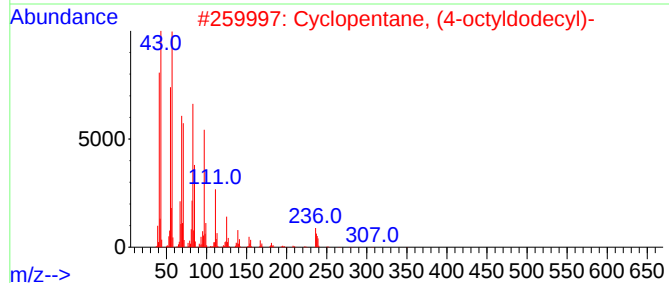
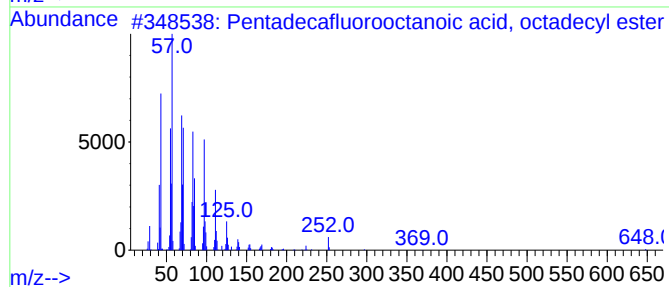
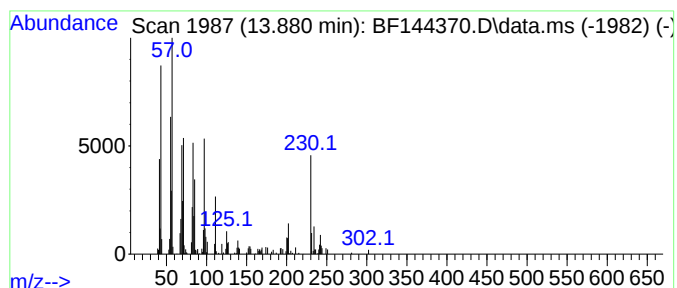
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 Pentadecafluorooctanoic aci... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.880	4.67 ng	150022	Chrysene-d12	14.039	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecafluorooctanoic acid, oc...	666	C26H37F15O2	1000406-04-8	86
2	Cyclopentane, (4-octyldodecyl)-	350	C25H50	005638-09-5	70
3	Docosyl pentafluoropropionate	472	C25H45F5O2	1000351-80-9	70
4	Heneicosyl heptafluorobutyrate	508	C25H43F7O2	1000351-83-8	70
5	Tetracosyl heptafluorobutyrate	550	C28H49F7O2	1000351-83-7	70



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112625\
Data File : BF144370.D
Acq On : 26 Nov 2025 19:43
Operator : RC/JU
Sample : Q3719-08
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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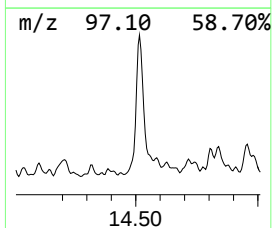
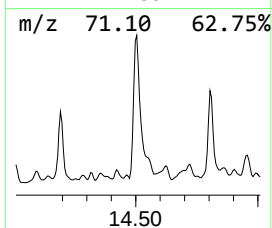
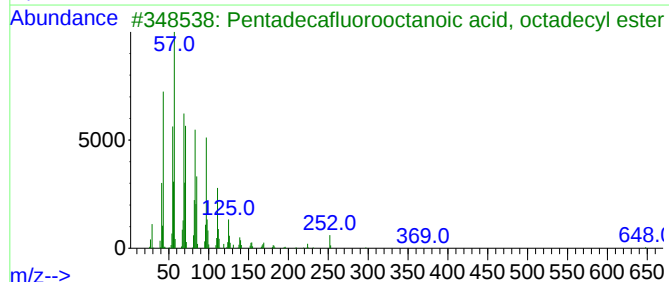
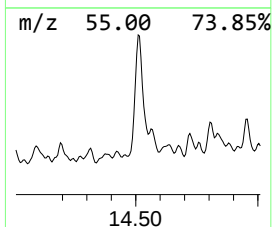
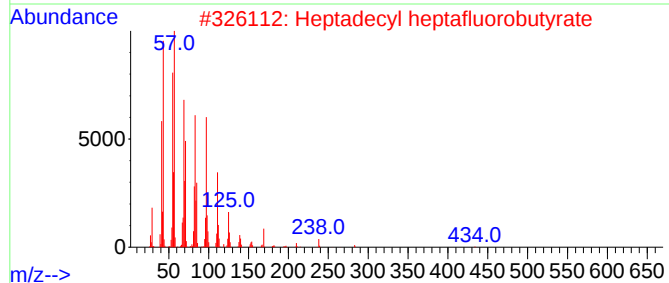
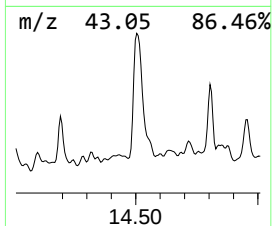
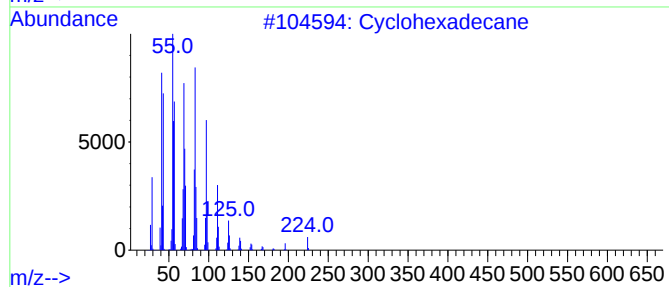
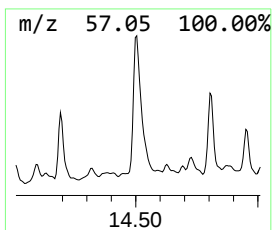
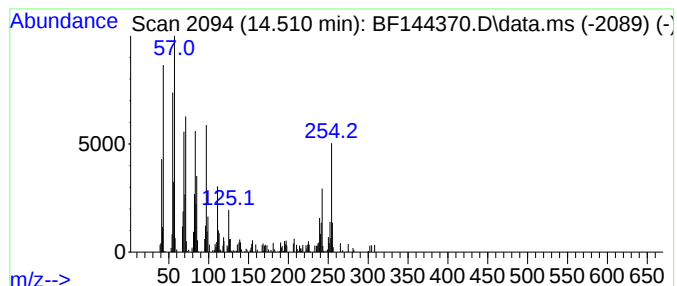
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 Cyclohexadecane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.510	4.12 ng	132191	Chrysene-d12	14.039

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexadecane	224	C16H32	000295-65-8	95
2			Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	89
3			Pentadecafluorooctanoic acid, oc...	666	C26H37F15O2	1000406-04-8	86
4			E-7-Octadecene	252	C18H36	1000130-92-0	78
5			Heptafluorobutyric acid, n-octad...	466	C22H37F7O2	000400-57-7	76



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112625\
Data File : BF144370.D
Acq On : 26 Nov 2025 19:43
Operator : RC/JU
Sample : Q3719-08
Misc :
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ClientSampleId :
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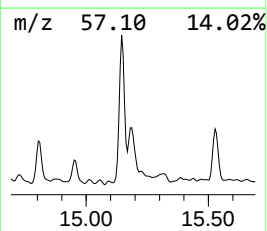
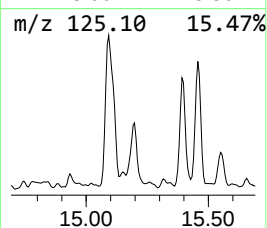
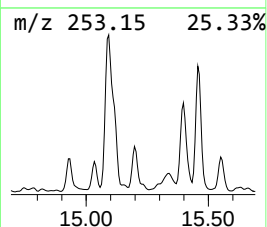
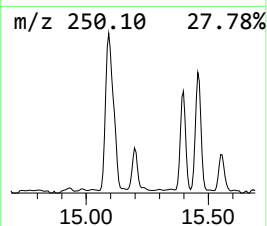
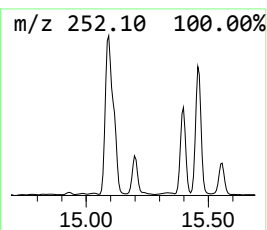
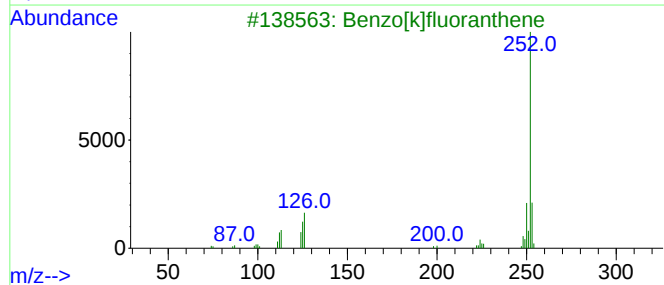
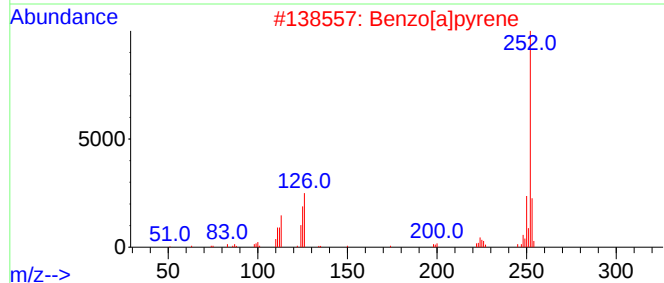
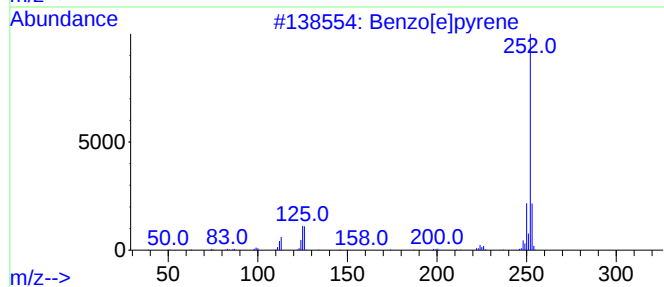
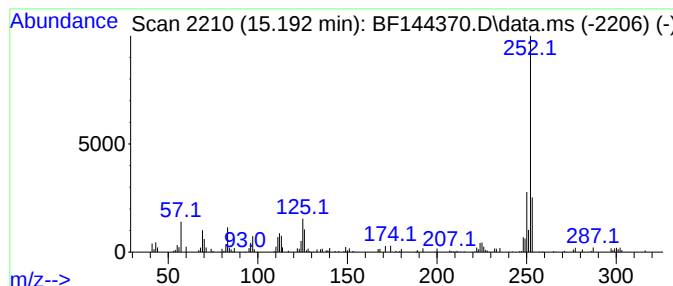
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.192	7.13 ng	169794	Perylene-d12	15.521

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[e]pyrene	252	C20H12	000192-97-2	91
2			Benzo[a]pyrene	252	C20H12	000050-32-8	90
3			Benzo[k]fluoranthene	252	C20H12	000207-08-9	89
4			Benzo[b]fluoranthene	252	C20H12	000205-99-2	89
5			Perylene	252	C20H12	000198-55-0	76



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112625\
Data File : BF144370.D
Acq On : 26 Nov 2025 19:43
Operator : RC/JU
Sample : Q3719-08
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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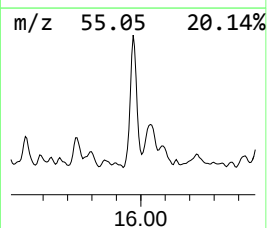
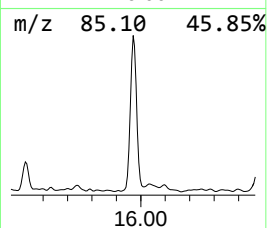
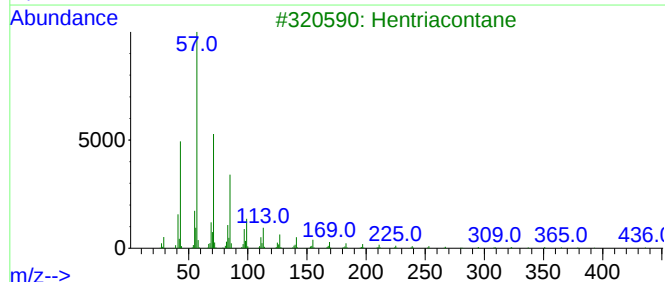
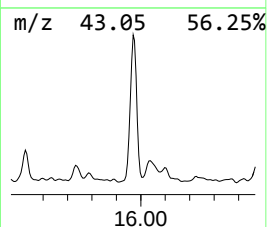
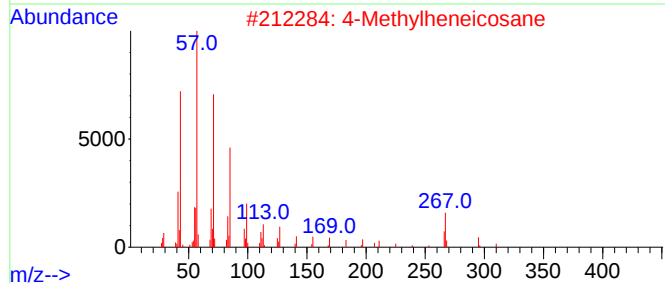
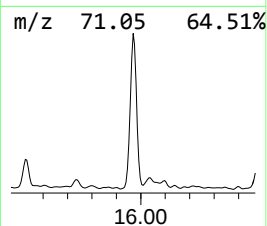
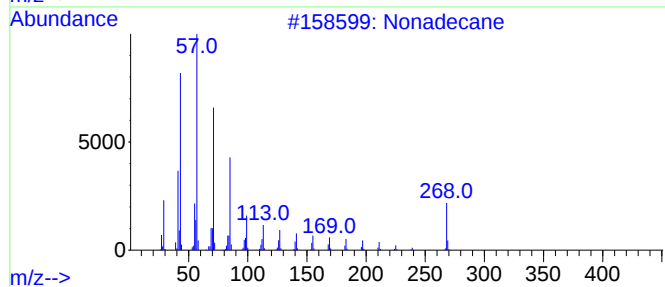
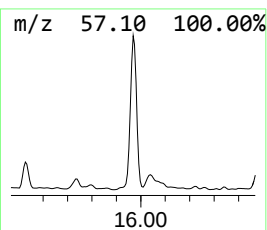
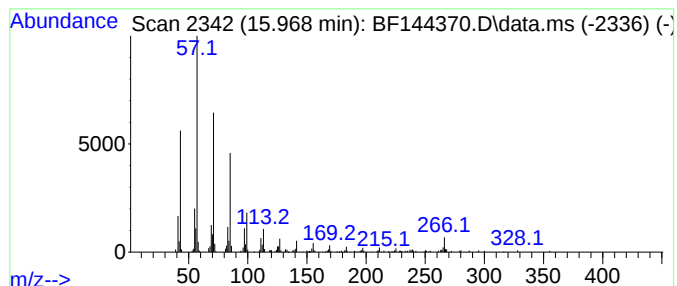
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 Nonadecane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.968	11.68 ng	278230	Perylene-d12	15.521

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Nonadecane	268	C19H40	000629-92-5	91
2		4-Methylheneicosane	310	C22H46	025117-29-7	91
3		Hentriacontane	437	C31H64	000630-04-6	90
4		Triacontane	422	C30H62	000638-68-6	90
5		Hexacosane	366	C26H54	000630-01-3	90



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112625\
Data File : BF144370.D
Acq On : 26 Nov 2025 19:43
Operator : RC/JU
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Misc :
ALS Vial : 14 Sample Multiplier: 1

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ClientSampleId :
SB-1125-14B

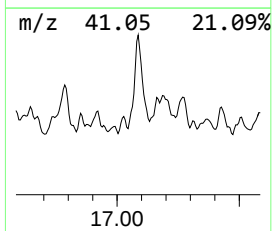
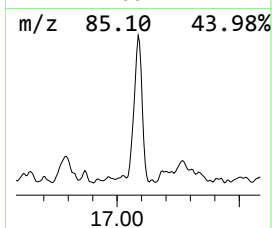
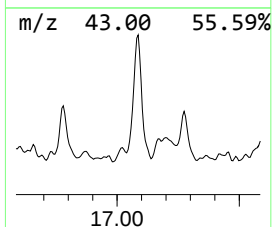
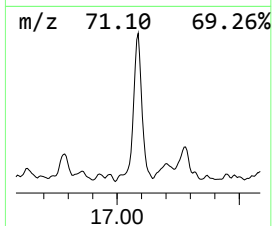
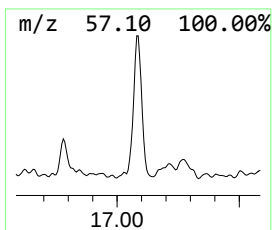
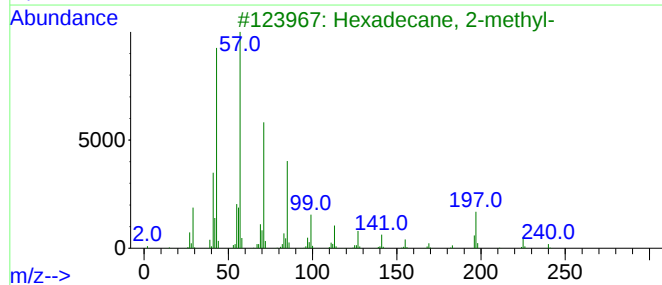
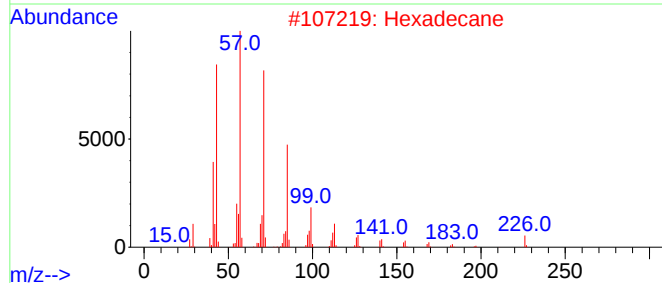
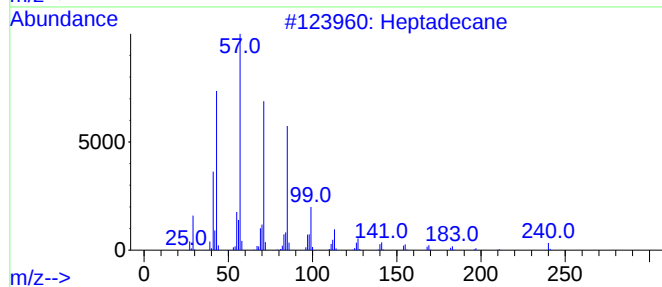
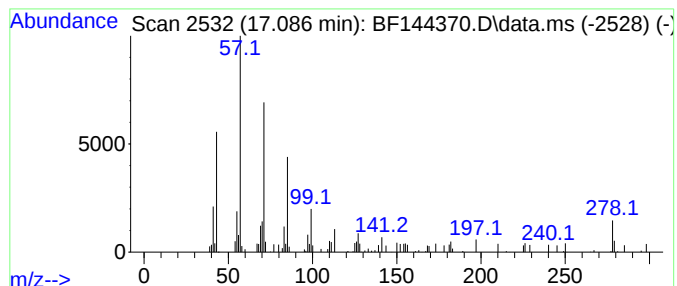
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 12 Heptadecane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.086	3.38 ng	80415	Perylene-d12	15.521

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptadecane	240	C17H36	000629-78-7	90
2			Hexadecane	226	C16H34	000544-76-3	76
3			Hexadecane, 2-methyl-	240	C17H36	001560-92-5	74
4			Octadecane	254	C18H38	000593-45-3	64
5			Nonadecane, 2-methyl-	282	C20H42	001560-86-7	64



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112625\
Data File : BF144370.D
Acq On : 26 Nov 2025 19:43
Operator : RC/JU
Sample : Q3719-08
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-1125-14B

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST0.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
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n-Hexadecanoic ...	11.916	11.1	ng	238361	4	11.392	427764	20.0
Pentadecafluoro...	13.880	4.7	ng	150022	5	14.039	642259	20.0
Cyclohexadecane	14.510	4.1	ng	132191	5	14.039	642259	20.0
Benzo[e]pyrene	15.192	7.1	ng	169794	6	15.521	476314	20.0
Nonadecane	15.968	11.7	ng	278230	6	15.521	476314	20.0
Heptadecane	17.086	3.4	ng	80415	6	15.521	476314	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112625\
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 Operator : RC/JU
 Sample : Q3719-09
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
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Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
 Supervised By :mohammad ahmed 12/03/2025

Quant Time: Nov 27 00:52:07 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 05 18:37:33 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	55771	20.000	ng	-0.01
21) Naphthalene-d8	8.145	136	208342	20.000	ng	-0.01
39) Acenaphthene-d10	9.898	164	106207	20.000	ng	-0.02
64) Phenanthrene-d10	11.392	188	155107	20.000	ng	-0.01
76) Chrysene-d12	14.039	240	141509	20.000	ng	-0.01
86) Perylene-d12	15.521	264	167558	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	260191	73.007	ng	0.00
7) Phenol-d6	6.492	99	295569	73.193	ng	0.00
23) Nitrobenzene-d5	7.422	82	179213	49.680	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	77179	57.909	ng	-0.01
45) 2-Fluorobiphenyl	9.216	172	349793	48.643	ng	-0.01
79) Terphenyl-d14	12.980	244	294101	33.012	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.416	178	36002	4.662	ng	98
75) Fluoranthene	12.610	202	56236	7.049	ng	98
78) Pyrene	12.839	202	51777	4.538	ng	98
81) Benzo(a)anthracene	14.027	228	36329	3.704	ng	# 93
83) Chrysene	14.062	228	32683	3.610	ng	# 93
84) Bis(2-ethylhexyl)phtha...	14.010	149	11769	2.174	ng	100
88) Benzo(b)fluoranthene	15.086	252	48665m	5.109	ng	
89) Benzo(k)fluoranthene	15.104	252	17973m	2.016	ng	
90) Benzo(a)pyrene	15.457	252	30358	3.454	ng	# 97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

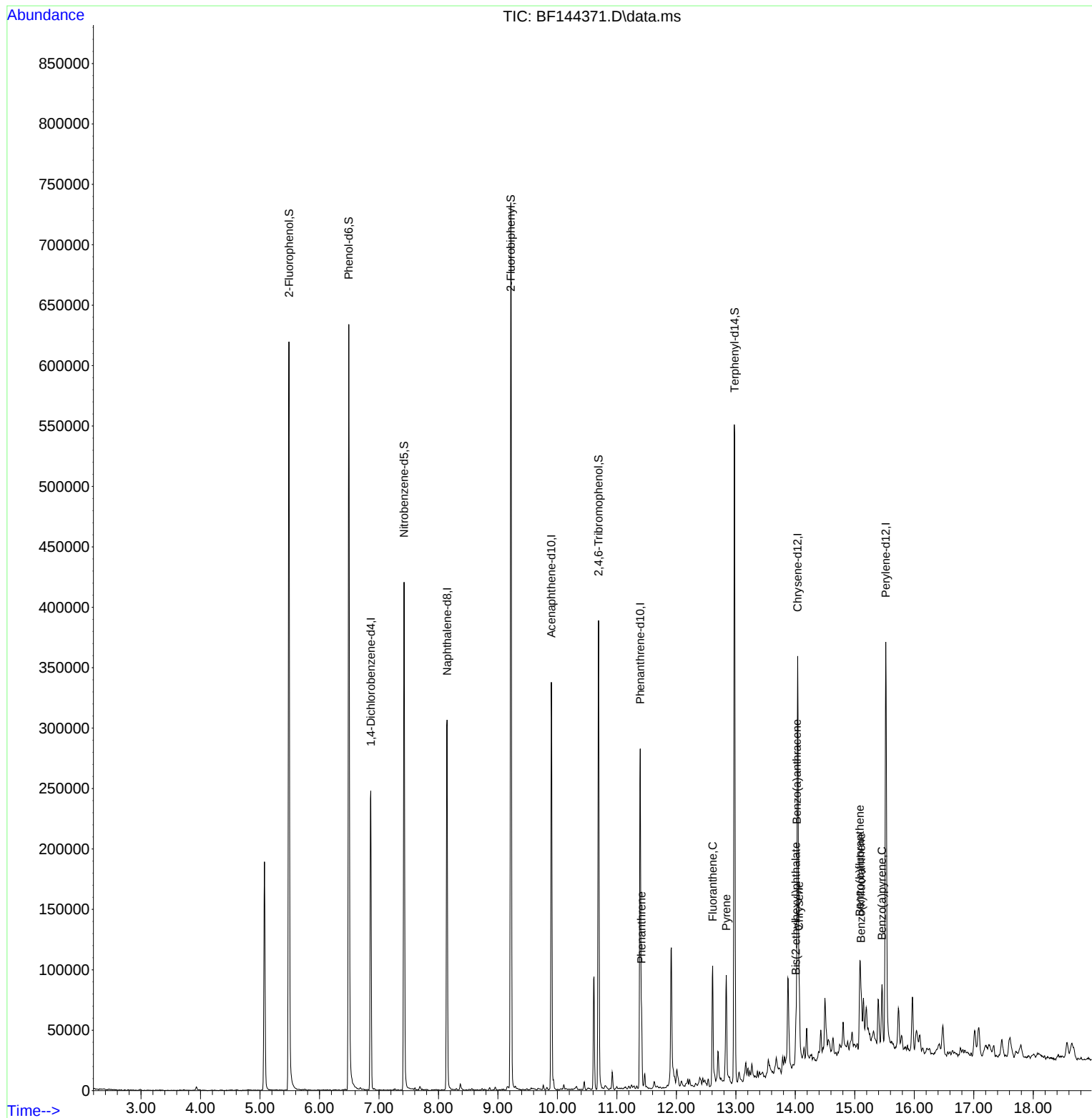
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112625\
Data File : BF144371.D
Acq On : 26 Nov 2025 20:13
Operator : RC/JU
Sample : Q3719-09
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-1125-15A

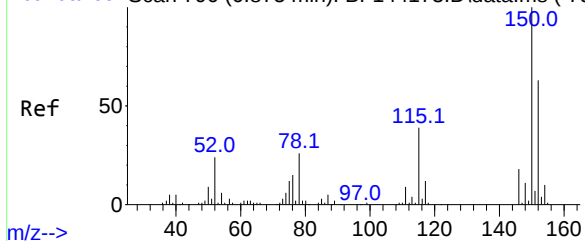
Quant Time: Nov 27 00:52:07 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
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Abundance Scan 796 (6.875 min): BF144173.D\data.ms (-79



#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.863 min Scan# 796

Delta R.T. -0.012 min

Lab File: BF144371.D

Acq: 26 Nov 2025 20:13

Instrument :

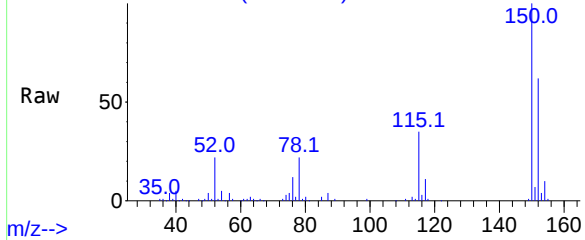
BNA_F

ClientSampleId :

SB-1125-15A

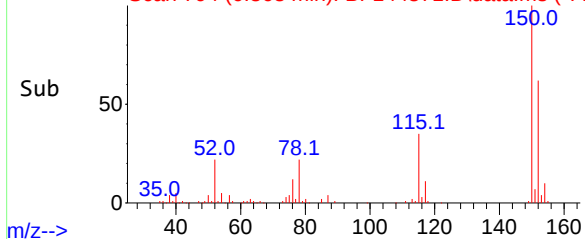
m/z-->

Abundance Scan 794 (6.863 min): BF144371.D\data.ms



m/z-->

Abundance Scan 794 (6.863 min): BF144371.D\data.ms (-77



m/z-->

Tgt Ion:152 Resp: 5577

Ion Ratio Lower Upper

152 100

150 162.6 127.4 191.0

115 56.7 49.5 74.3

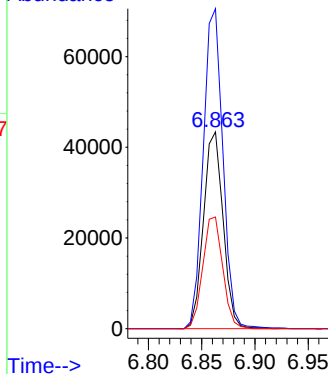
Manual Integrations

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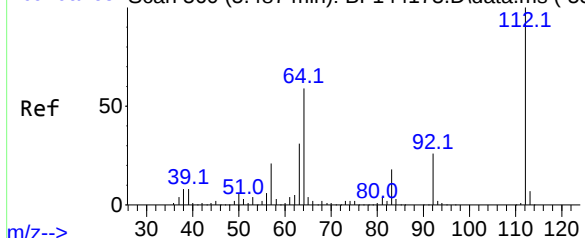
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Abundance

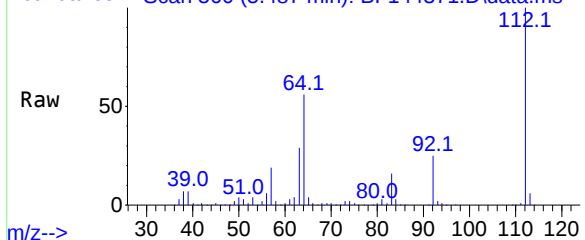


Abundance Scan 560 (5.487 min): BF144173.D\data.ms (-55



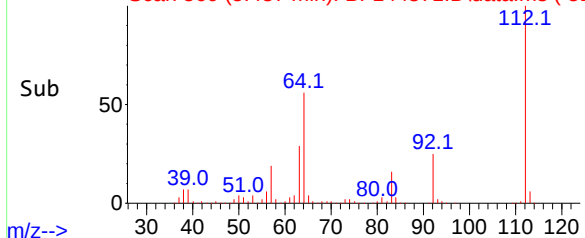
m/z-->

Abundance Scan 560 (5.487 min): BF144371.D\data.ms



m/z-->

Abundance Scan 560 (5.487 min): BF144371.D\data.ms (-51



m/z-->

#5

2-Fluorophenol

Concen: 73.007 ng

RT: 5.487 min Scan# 560

Delta R.T. -0.006 min

Lab File: BF144371.D

Acq: 26 Nov 2025 20:13

Tgt Ion:112 Resp: 260191

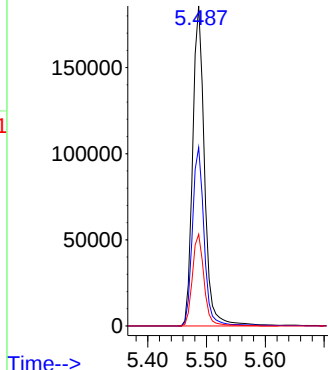
Ion Ratio Lower Upper

112 100

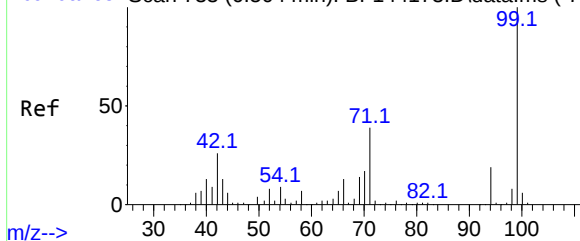
64 55.8 47.2 70.8

63 28.7 24.4 36.6

Abundance



Abundance Scan 733 (6.504 min): BF144173.D\data.ms (-72



#7

Phenol-d6

Concen: 73.193 ng

RT: 6.492 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF144371.D

Acq: 26 Nov 2025 20:13

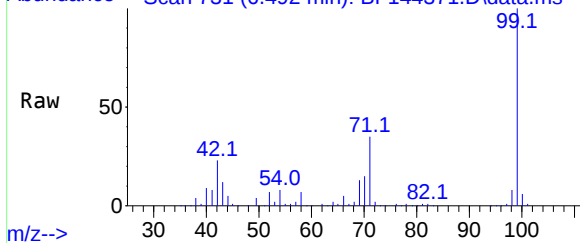
Instrument :

BNA_F

ClientSampleId :

SB-1125-15A

m/z--> Abundance Scan 731 (6.492 min): BF144371.D\data.ms



Tgt Ion: 99 Resp: 29556

Ion Ratio Lower Upper

99 100

42 22.7 20.9 31.3

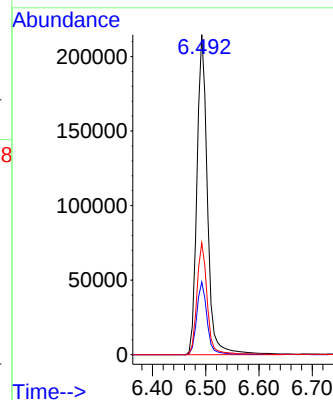
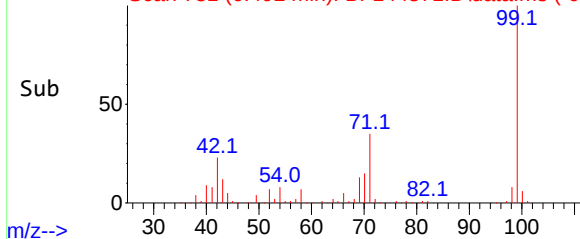
71 35.0 31.4 47.2

Manual Integrations

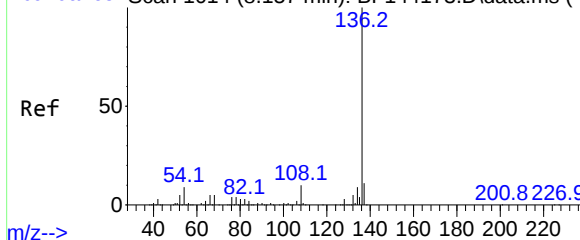
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Abundance Scan 731 (6.492 min): BF144371.D\data.ms (-68



Abundance Scan 1014 (8.157 min): BF144173.D\data.ms (-1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.145 min Scan# 1012

Delta R.T. -0.012 min

Lab File: BF144371.D

Acq: 26 Nov 2025 20:13

Tgt Ion:136 Resp: 208342

Ion Ratio Lower Upper

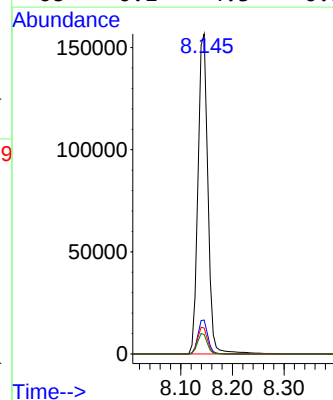
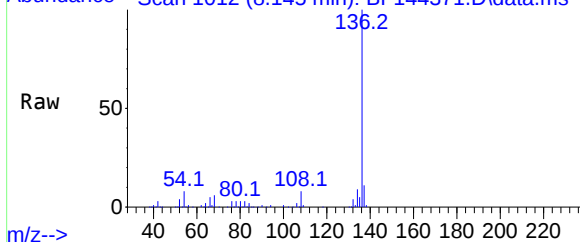
136 100

137 10.6 8.6 13.0

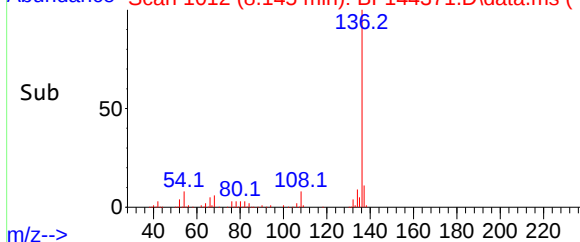
54 8.1 7.0 10.6

68 6.1 4.3 6.5

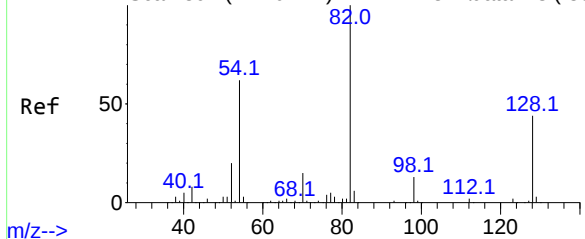
m/z--> Abundance Scan 1012 (8.145 min): BF144371.D\data.ms



Abundance Scan 1012 (8.145 min): BF144371.D\data.ms (-9



Abundance Scan 892 (7.440 min): BF144173.D\data.ms (-88



#23

Nitrobenzene-d5

Concen: 49.680 ng

RT: 7.422 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF144371.D

Acq: 26 Nov 2025 20:13

Instrument :

BNA_F

ClientSampleId :

SB-1125-15A

Tgt Ion: 82 Resp: 17921

Ion Ratio Lower Upper

82 100

128 43.7 34.7 52.1

54 59.7 49.5 74.3

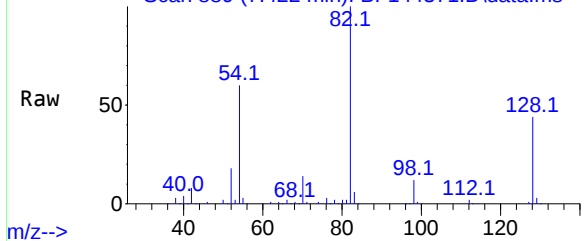
Manual Integrations

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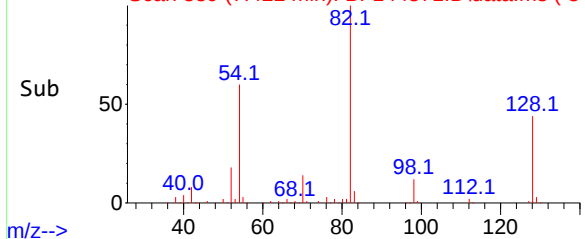
Reviewed By :Jagrut Upadhyay 12/02/2025

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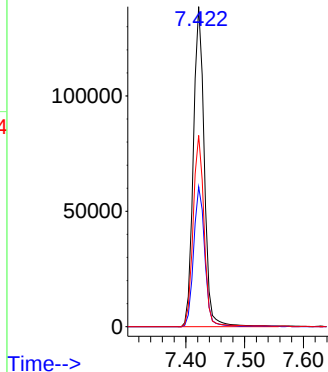
Abundance Scan 889 (7.422 min): BF144371.D\data.ms



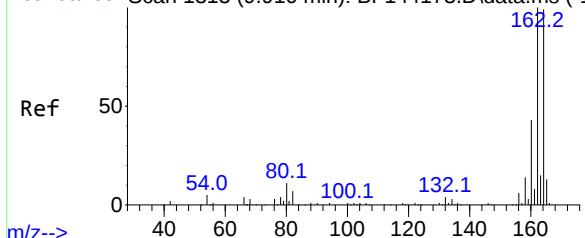
Abundance Scan 889 (7.422 min): BF144371.D\data.ms (-84



Abundance



Abundance Scan 1313 (9.916 min): BF144173.D\data.ms (-1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.898 min Scan# 1310

Delta R.T. -0.018 min

Lab File: BF144371.D

Acq: 26 Nov 2025 20:13

Tgt Ion:164 Resp: 106207

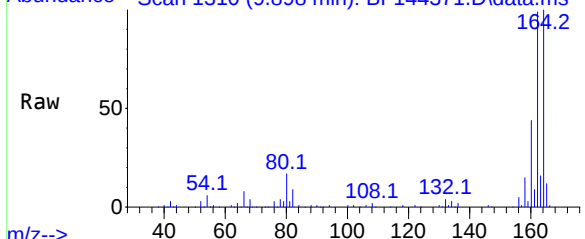
Ion Ratio Lower Upper

164 100

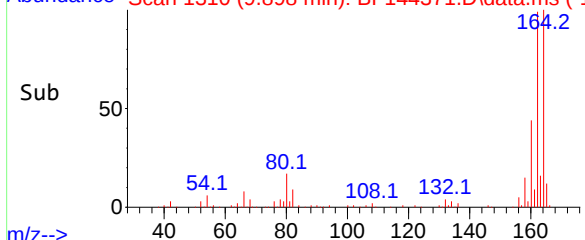
162 98.7 81.1 121.7

160 44.3 34.5 51.7

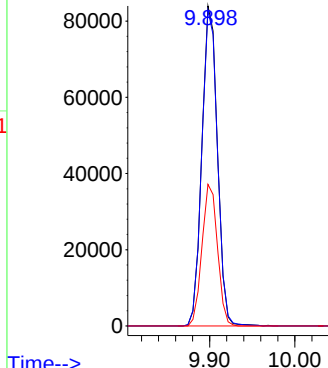
Abundance Scan 1310 (9.898 min): BF144371.D\data.ms

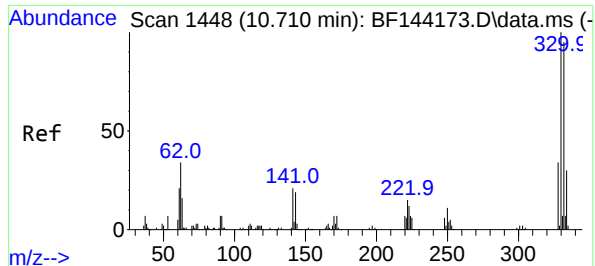


Abundance Scan 1310 (9.898 min): BF144371.D\data.ms (-1



Abundance





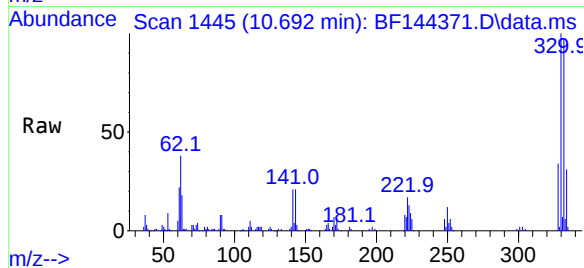
#42
2,4,6-Tribromophenol
Concen: 57.909 ng
RT: 10.692 min Scan# 1445
Delta R.T. -0.012 min
Lab File: BF144371.D
Acq: 26 Nov 2025 20:13

Instrument :

BNA_F

ClientSampleId :

SB-1125-15A

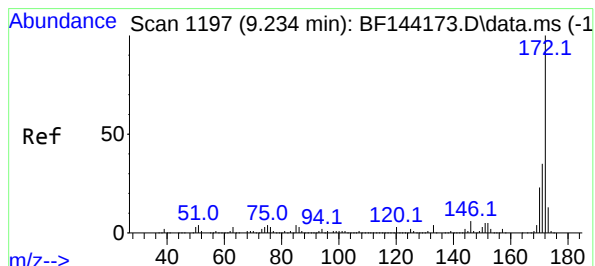
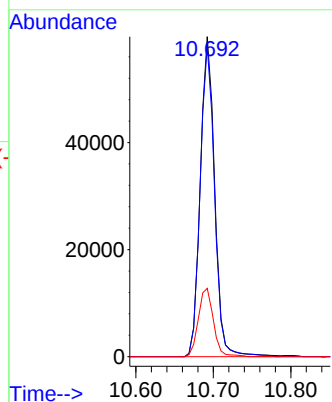
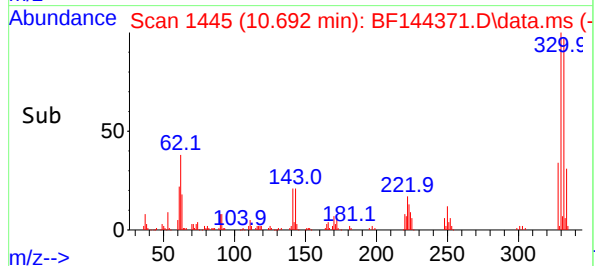


Tgt Ion:330 Resp: 77179
Ion Ratio Lower Upper
330 100
332 96.9 76.7 115.1
141 22.3 17.8 26.8

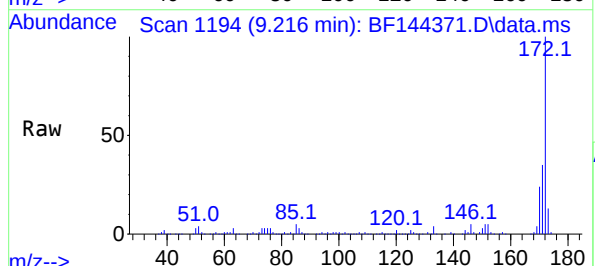
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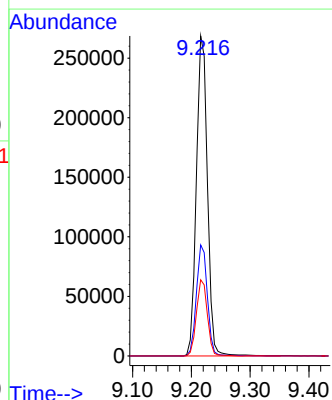
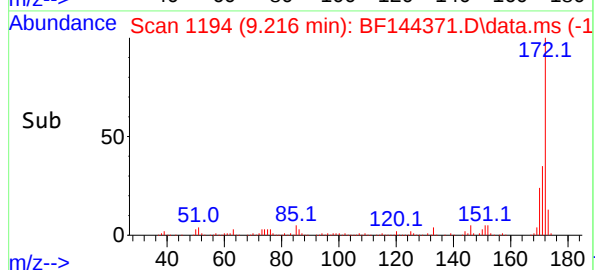
Reviewed By :Jagrut Upadhyay 12/02/2025
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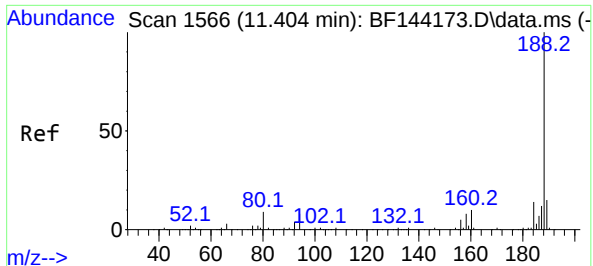


#45
2-Fluorobiphenyl
Concen: 48.643 ng
RT: 9.216 min Scan# 1194
Delta R.T. -0.012 min
Lab File: BF144371.D
Acq: 26 Nov 2025 20:13



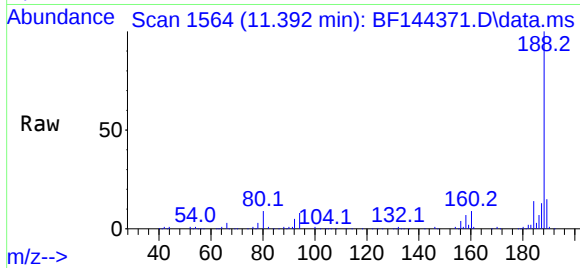
Tgt Ion:172 Resp: 349793
Ion Ratio Lower Upper
172 100
171 34.7 28.1 42.1
170 23.8 18.6 28.0





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1564
Delta R.T. -0.012 min
Lab File: BF144371.D
Acq: 26 Nov 2025 20:13

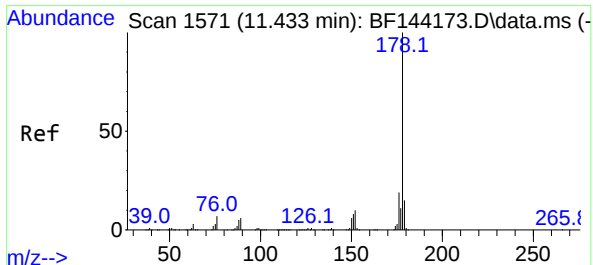
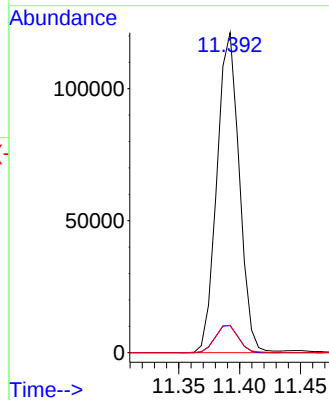
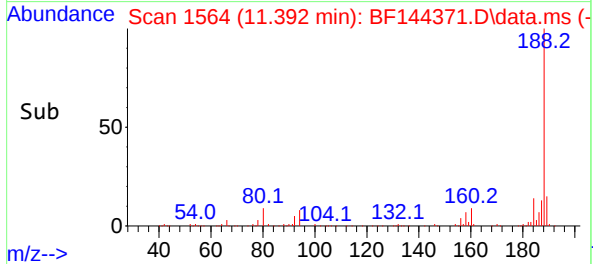
Instrument :
BNA_F
ClientSampleId :
SB-1125-15A



Tgt Ion:188 Resp: 15510
Ion Ratio Lower Upper
188 100
94 8.5 6.2 9.2
80 8.5 6.9 10.3

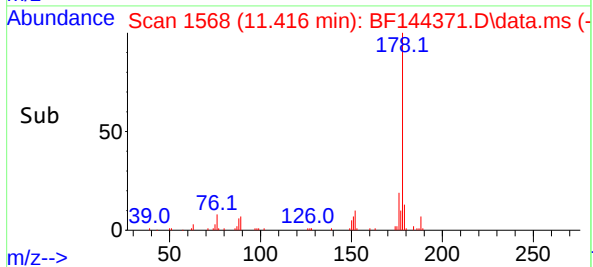
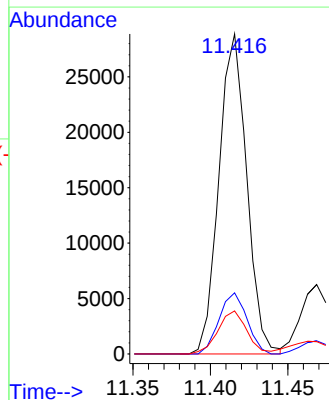
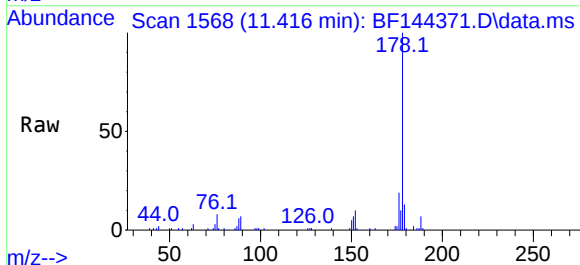
Manual Integrations
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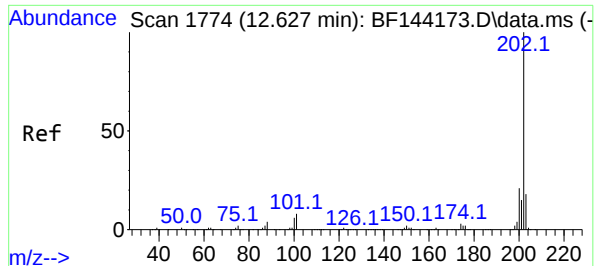
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#71
Phenanthrene
Concen: 4.662 ng
RT: 11.416 min Scan# 1568
Delta R.T. -0.012 min
Lab File: BF144371.D
Acq: 26 Nov 2025 20:13

Tgt Ion:178 Resp: 36002
Ion Ratio Lower Upper
178 100
176 19.1 15.5 23.3
179 13.4 12.2 18.4





#75

Fluoranthene

Concen: 7.049 ng

RT: 12.610 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF144371.D

Acq: 26 Nov 2025 20:13

Instrument :

BNA_F

ClientSampleId :

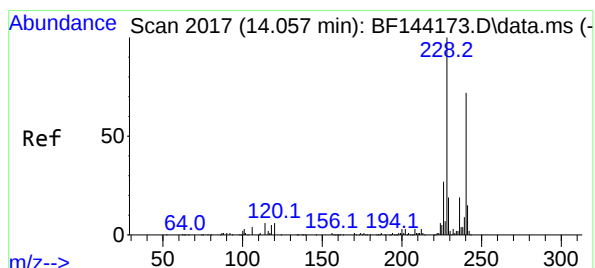
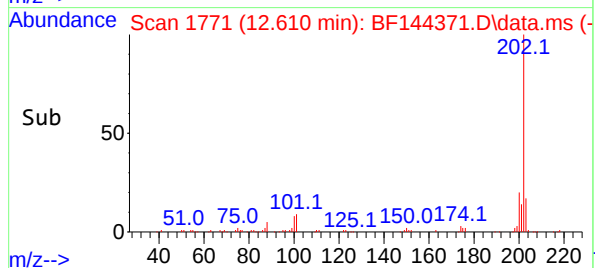
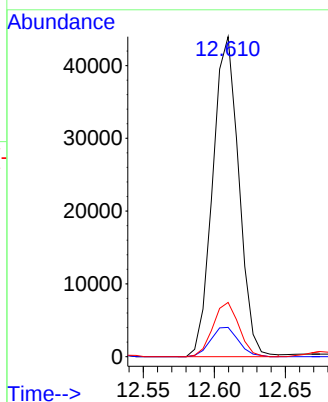
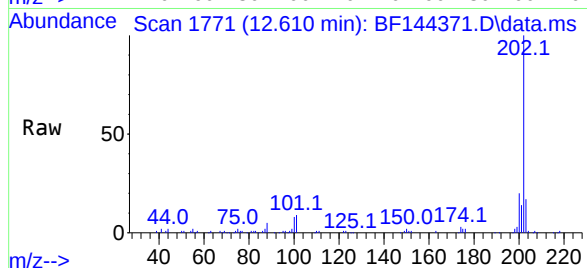
SB-1125-15A

Tgt Ion:	202	Resp:	56230
Ion Ratio	Lower	Upper	
202	100		
101	9.1	0.0	27.9
203	16.9	0.0	37.5

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#76

Chrysene-d12

Concen: 20.000 ng

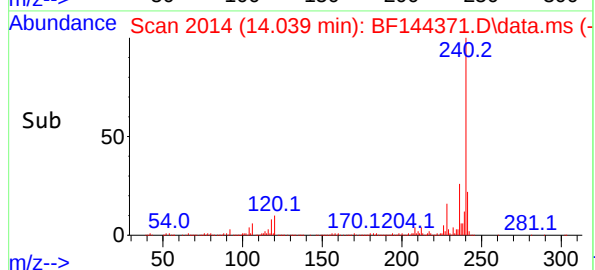
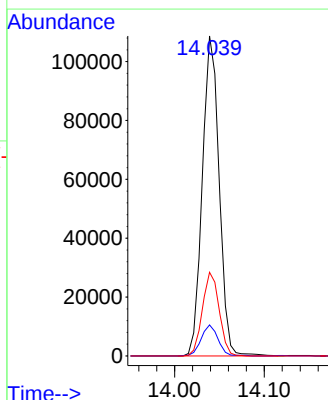
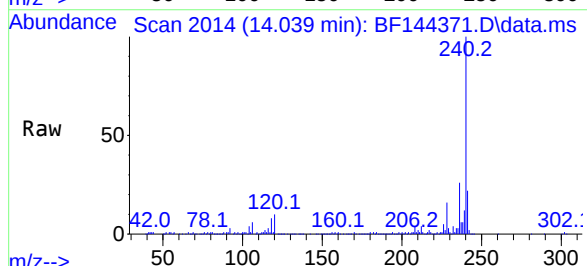
RT: 14.039 min Scan# 2014

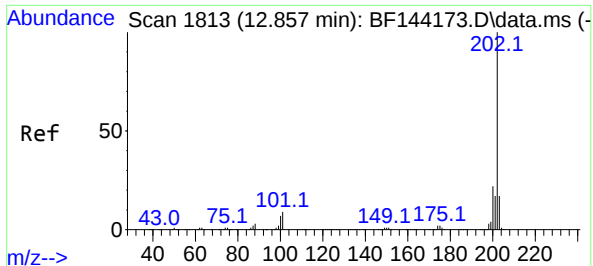
Delta R.T. -0.012 min

Lab File: BF144371.D

Acq: 26 Nov 2025 20:13

Tgt Ion:	240	Resp:	141509
Ion Ratio	Lower	Upper	
240	100		
120	9.7	6.6	10.0
236	26.1	21.4	32.2





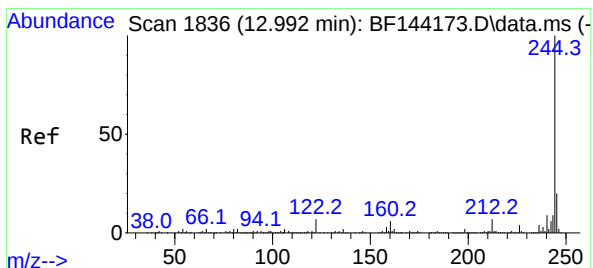
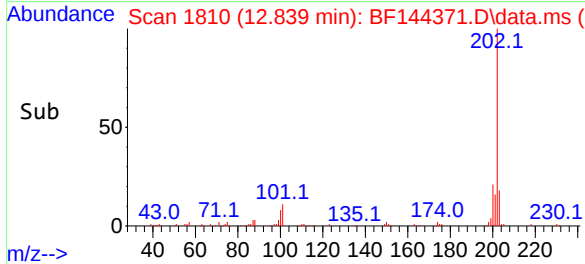
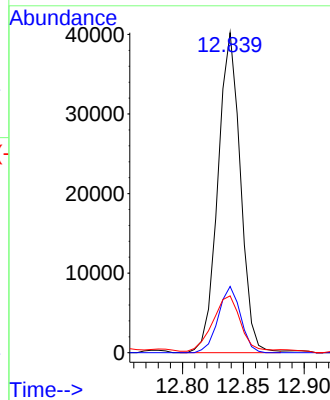
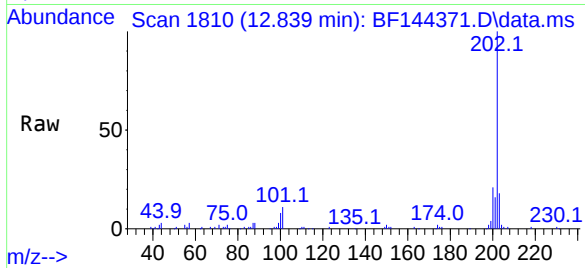
#78
Pyrene
Concen: 4.538 ng
RT: 12.839 min Scan# 1810
Delta R.T. -0.012 min
Lab File: BF144371.D
Acq: 26 Nov 2025 20:13

Instrument :
BNA_F
ClientSampleId :
SB-1125-15A

Tgt Ion:202 Resp: 5177
Ion Ratio Lower Upper
202 100
200 20.7 17.2 25.8
203 17.7 13.7 20.5

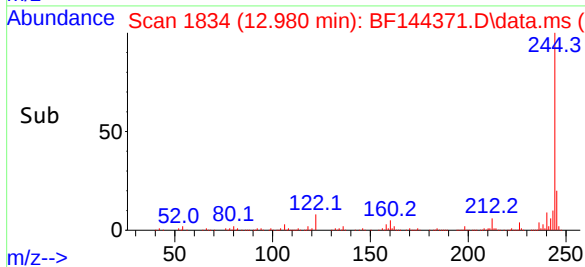
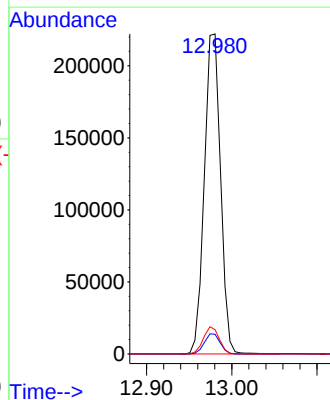
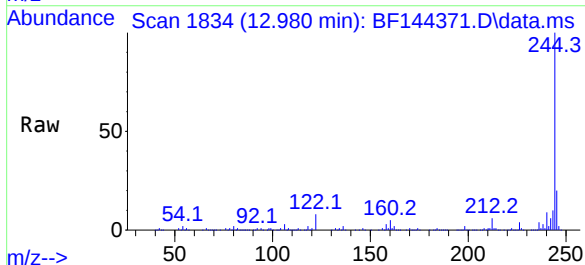
Manual Integrations
APPROVED

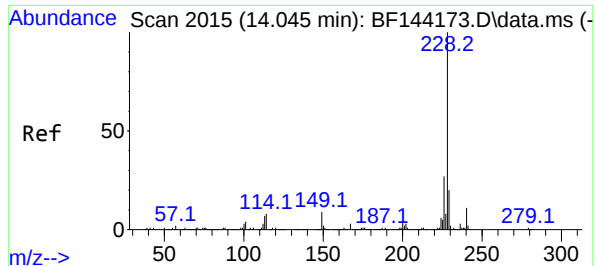
Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025



#79
Terphenyl-d14
Concen: 33.012 ng
RT: 12.980 min Scan# 1834
Delta R.T. -0.012 min
Lab File: BF144371.D
Acq: 26 Nov 2025 20:13

Tgt Ion:244 Resp: 294101
Ion Ratio Lower Upper
244 100
212 6.2 5.3 7.9
122 7.6 5.6 8.4





#81

Benzo(a)anthracene

Concen: 3.704 ng

RT: 14.027 min Scan# 2012

Delta R.T. -0.018 min

Lab File: BF144371.D

Acq: 26 Nov 2025 20:13

Instrument :

BNA_F

ClientSampleId :

SB-1125-15A

Tgt Ion:228 Resp: 36329

Ion Ratio Lower Upper

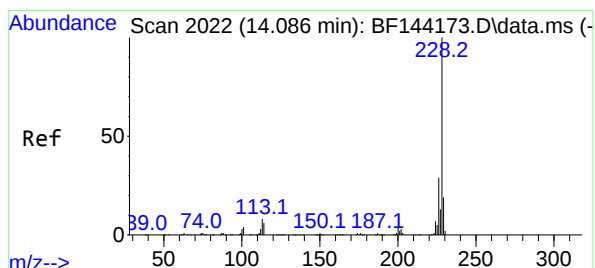
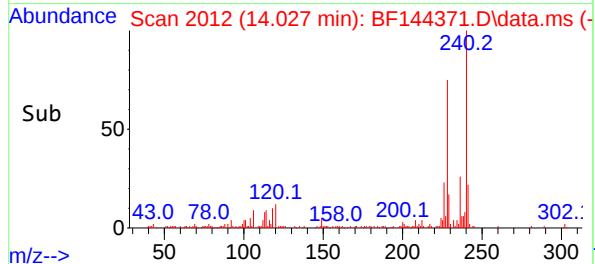
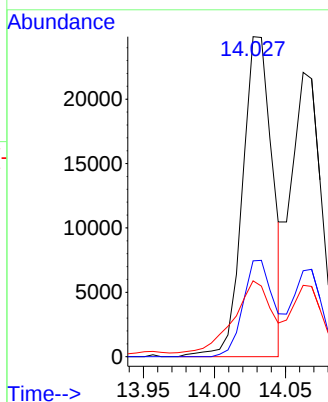
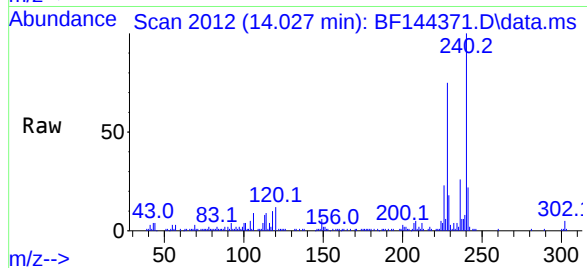
228 100

226 30.0 21.8 32.8

229 23.7 15.8 23.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025

#83

Chrysene

Concen: 3.610 ng

RT: 14.062 min Scan# 2018

Delta R.T. -0.018 min

Lab File: BF144371.D

Acq: 26 Nov 2025 20:13

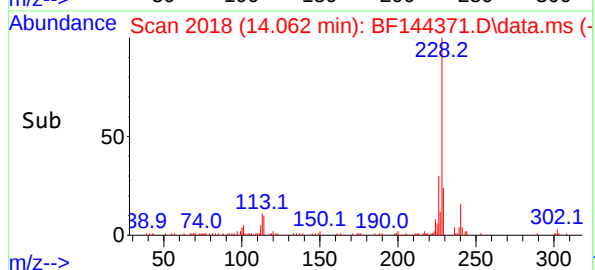
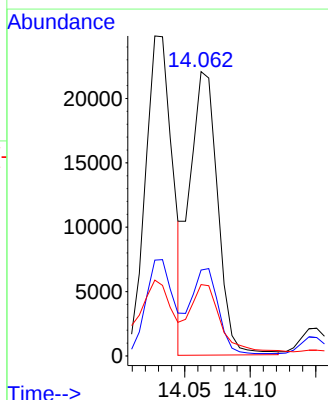
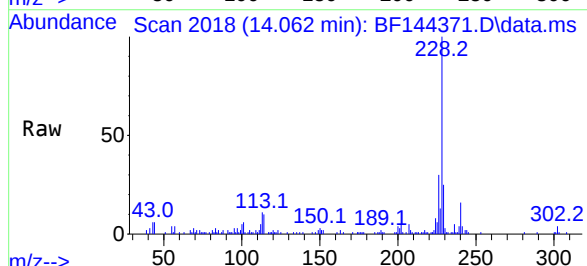
Tgt Ion:228 Resp: 32683

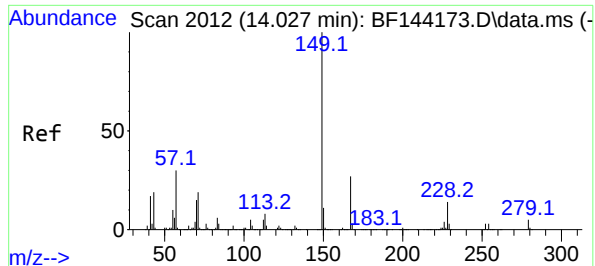
Ion Ratio Lower Upper

228 100

226 30.2 22.9 34.3

229 25.1 15.0 22.6





#84

Bis(2-ethylhexyl)phthalate

Concen: 2.174 ng

RT: 14.010 min Scan# 2012

Delta R.T. -0.018 min

Lab File: BF144371.D

Acq: 26 Nov 2025 20:13

Instrument :

BNA_F

ClientSampleId :

SB-1125-15A

Tgt Ion:149 Resp: 11769

Ion Ratio Lower Upper

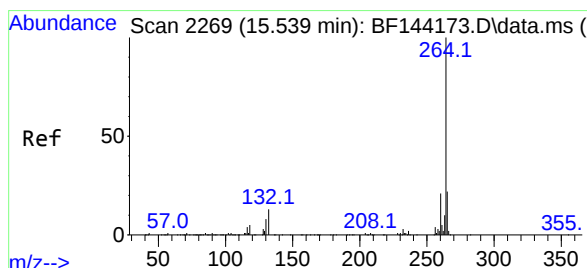
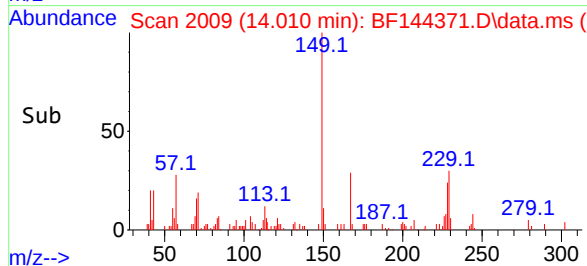
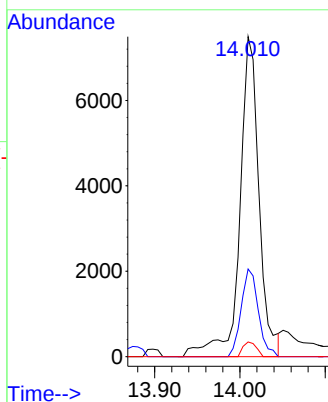
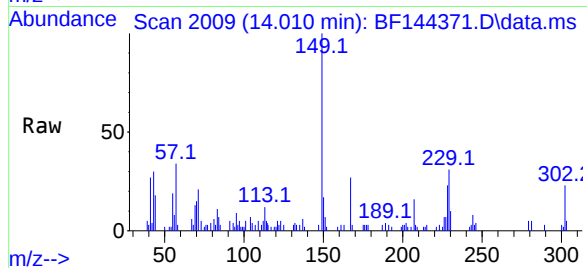
149 100

167 27.4 21.8 32.8

279 4.6 3.7 5.5

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025

#86

Perylene-d12

Concen: 20.000 ng

RT: 15.521 min Scan# 2266

Delta R.T. -0.018 min

Lab File: BF144371.D

Acq: 26 Nov 2025 20:13

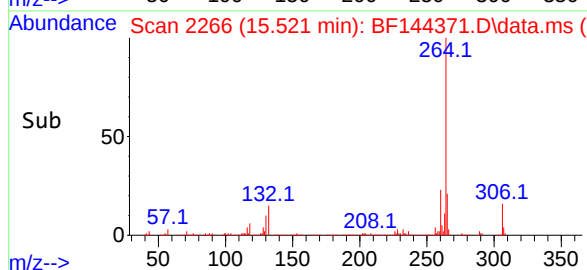
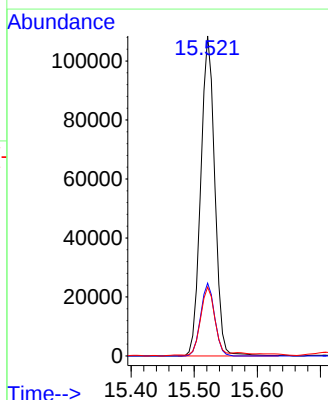
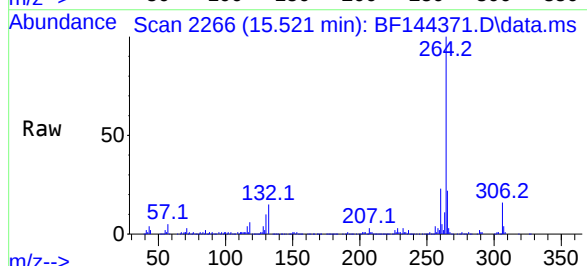
Tgt Ion:264 Resp: 167558

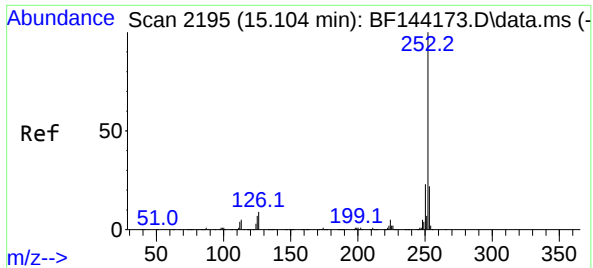
Ion Ratio Lower Upper

264 100

260 22.7 17.1 25.7

265 21.5 17.4 26.0





#88

Benzo(b)fluoranthene

Concen: 5.109 ng m

RT: 15.086 min Scan# 2195

Delta R.T. -0.012 min

Lab File: BF144371.D

Acq: 26 Nov 2025 20:13

Instrument :

BNA_F

ClientSampleId :

SB-1125-15A

Tgt Ion:252 Resp: 4866

Ion Ratio Lower Upper

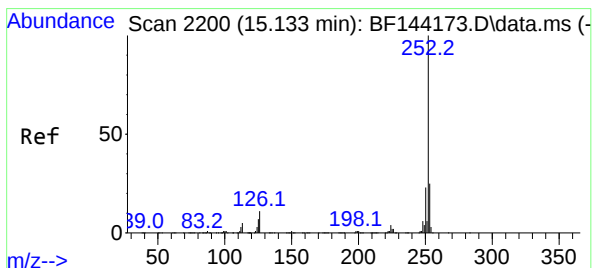
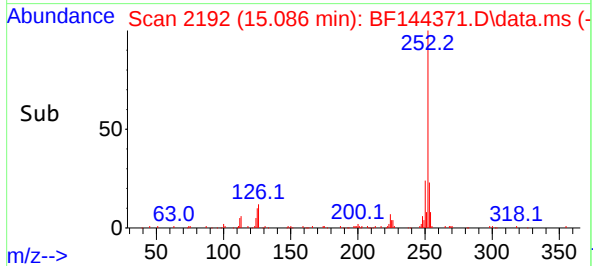
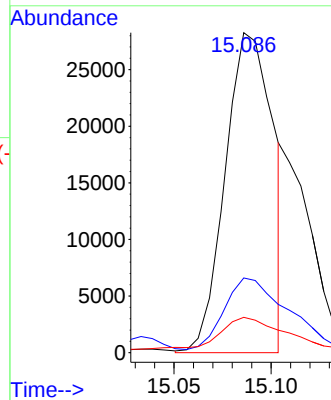
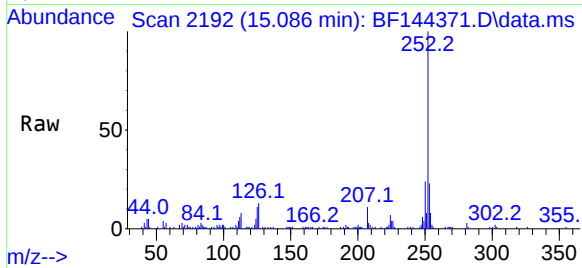
252 100

253 23.3 17.4 26.2

125 11.0 5.3 7.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025

#89

Benzo(k)fluoranthene

Concen: 2.016 ng m

RT: 15.104 min Scan# 2195

Delta R.T. -0.024 min

Lab File: BF144371.D

Acq: 26 Nov 2025 20:13

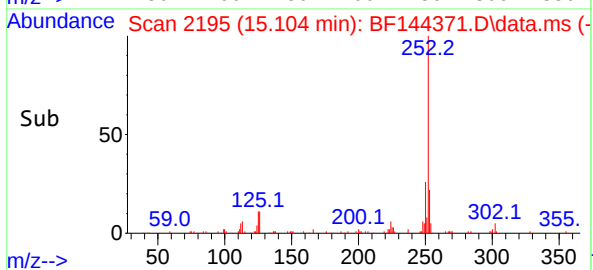
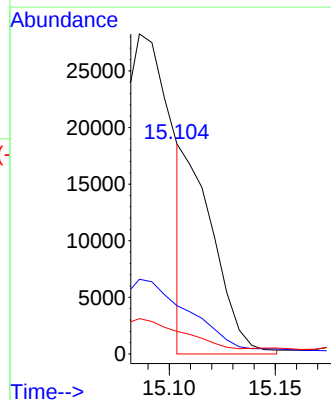
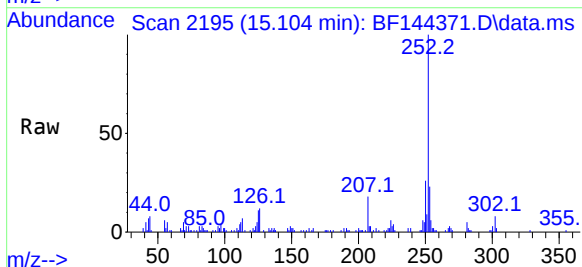
Tgt Ion:252 Resp: 17973

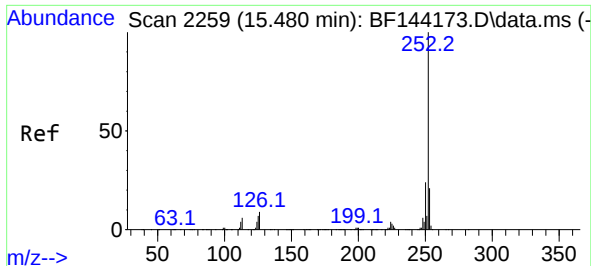
Ion Ratio Lower Upper

252 100

253 23.0 18.0 27.0

125 10.7 5.4 8.2#





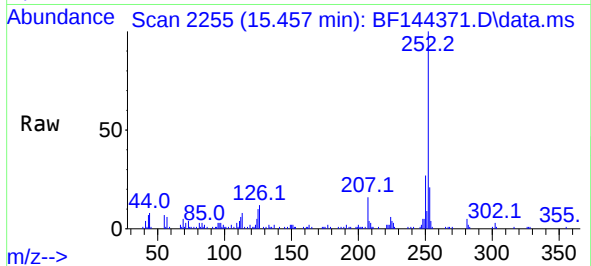
#90
Benzo(a)pyrene
Concen: 3.454 ng
RT: 15.457 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF144371.D
Acq: 26 Nov 2025 20:13

Instrument :

BNA_F

ClientSampleId :

SB-1125-15A

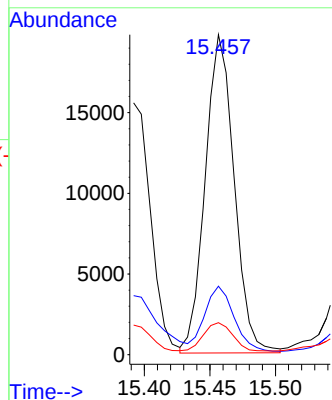
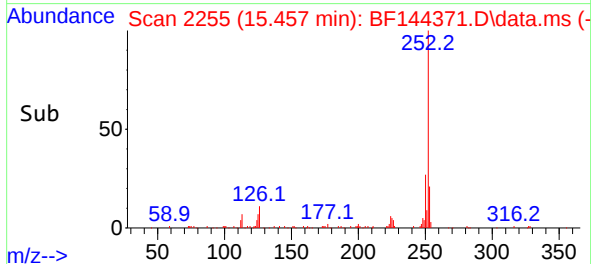


Tgt Ion:252 Resp: 30358
Ion Ratio Lower Upper
252 100
253 21.4 16.7 25.1
125 10.0 5.7 8.5

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112625\
 Data File : BF144371.D
 Acq On : 26 Nov 2025 20:13
 Operator : RC/JU
 Sample : Q3719-09
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-1125-15A

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF144371.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.075	484	490	502	rBV	188901	276701	29.77%	2.928%
2	5.487	554	560	585	rBV	619127	858698	92.38%	9.087%
3	6.492	726	731	750	rBV	633457	865244	93.08%	9.156%
4	6.863	789	794	801	rBV	247345	318407	34.25%	3.369%
5	7.422	884	889	902	rBV	420354	542946	58.41%	5.745%
6	8.145	1006	1012	1026	rVB	305864	404997	43.57%	4.286%
7	9.216	1189	1194	1205	rBV	732504	929530	100.00%	9.836%
8	9.898	1305	1310	1315	rBV	336762	426475	45.88%	4.513%
9	10.616	1427	1432	1440	rVB	92940	121877	13.11%	1.290%
10	10.692	1440	1445	1455	rBV	387865	504907	54.32%	5.343%
11	10.922	1480	1484	1491	rVB	14484	18685	2.01%	0.198%
12	11.392	1558	1564	1573	rBV2	281070	438578	47.18%	4.641%
13	11.469	1573	1577	1580	rVB	10855	13921	1.50%	0.147%
14	11.627	1597	1604	1609	rBV3	5806	10738	1.16%	0.114%
15	11.916	1643	1653	1665	rBV3	114359	208986	22.48%	2.211%
16	12.010	1665	1669	1677	rVB3	13715	27911	3.00%	0.295%
17	12.192	1692	1700	1702	rBV3	5844	10413	1.12%	0.110%
18	12.392	1728	1734	1740	rBV4	6399	13889	1.49%	0.147%
19	12.610	1766	1771	1780	rBV	99459	149144	16.05%	1.578%
20	12.698	1780	1786	1793	rBV4	24658	40987	4.41%	0.434%
21	12.839	1803	1810	1818	rBV	87582	134710	14.49%	1.425%
22	12.974	1825	1833	1842	rBV	545401	732518	78.81%	7.751%
23	13.057	1842	1847	1857	rBV5	8252	17842	1.92%	0.189%
24	13.168	1858	1866	1869	rBV3	15421	31513	3.39%	0.333%
25	13.268	1880	1883	1890	rVB3	10935	15996	1.72%	0.169%
26	13.545	1922	1930	1941	rBV7	14870	50191	5.40%	0.531%
27	13.680	1946	1953	1959	rBV	12982	30621	3.29%	0.324%
28	13.786	1967	1971	1974	rBV2	13526	20430	2.20%	0.216%
29	13.874	1982	1986	1997	rVB2	74779	134581	14.48%	1.424%
30	14.039	2004	2014	2027	rBV2	338448	640158	68.87%	6.774%
31	14.192	2036	2040	2047	rVB2	24839	34832	3.75%	0.369%
32	14.427	2076	2080	2084	rBV	18775	23403	2.52%	0.248%
33	14.498	2088	2092	2099	rVV2	41871	71694	7.71%	0.759%
34	14.633	2112	2115	2120	rVB5	12986	18613	2.00%	0.197%
35	14.804	2141	2144	2154	rVB	20483	29074	3.13%	0.308%
36	15.086	2187	2192	2199	rBV	73330	179545	19.32%	1.900%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112625\
Data File : BF144371.D
Acq On : 26 Nov 2025 20:13
Operator : RC/JU
Sample : Q3719-09
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-1125-15A

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	15.145	2199	2202	2206	rVV	32379	47848	5.15%	0.506%
38	15.192	2207	2210	2214	rVB3	18552	30735	3.31%	0.325%
39	15.392	2240	2244	2250	rBV	36312	61138	6.58%	0.647%
40	15.457	2251	2255	2260	rVV	48433	74411	8.01%	0.787%
41	15.521	2260	2266	2281	rVB	332009	544018	58.53%	5.757%
42	15.733	2298	2302	2307	rVB2	29098	44986	4.84%	0.476%
43	15.968	2337	2342	2348	rVB	43501	73056	7.86%	0.773%
44	16.039	2349	2354	2359	rBV7	13499	31215	3.36%	0.330%
45	16.480	2424	2429	2440	rVB	25291	55904	6.01%	0.592%
46	17.015	2516	2520	2525	rBV2	14843	29624	3.19%	0.313%
47	17.086	2527	2532	2542	rVB3	23474	54696	5.88%	0.579%
48	17.609	2615	2621	2633	rVB3	16458	53857	5.79%	0.570%

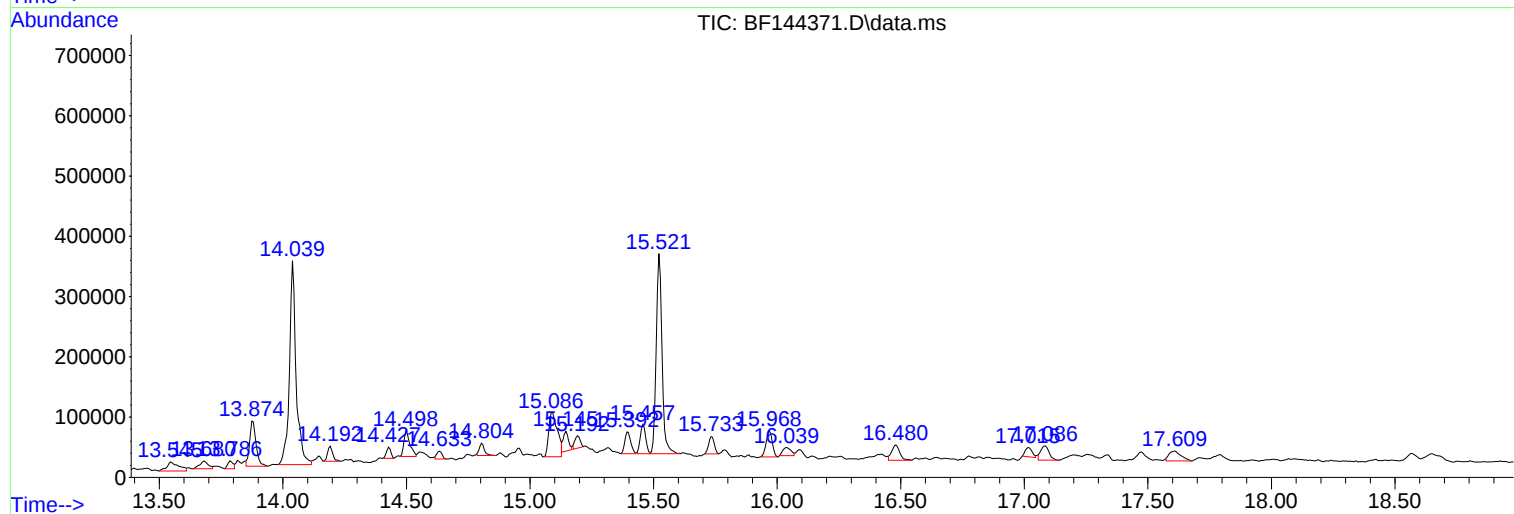
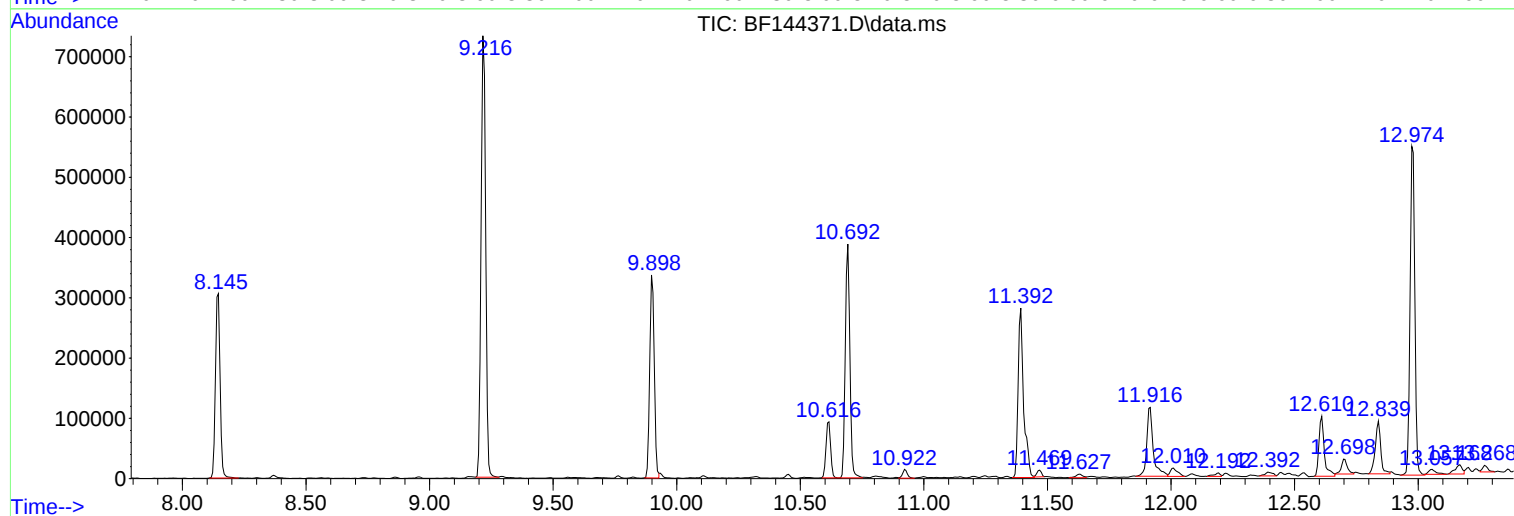
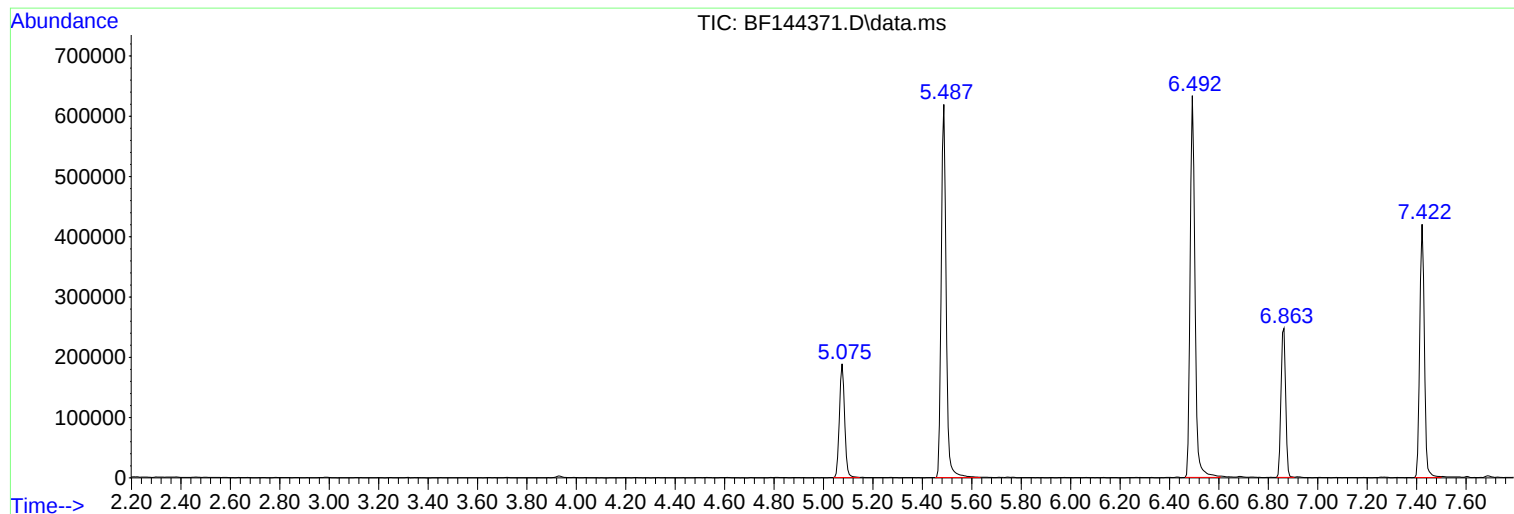
Sum of corrected areas: 9450243

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112625\
Data File : BF144371.D
Acq On : 26 Nov 2025 20:13
Operator : RC/JU
Sample : Q3719-09
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-1125-15A

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112625\
Data File : BF144371.D
Acq On : 26 Nov 2025 20:13
Operator : RC/JU
Sample : Q3719-09
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-1125-15A

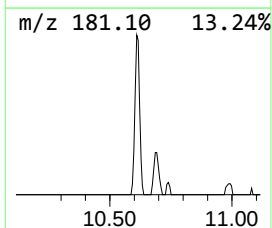
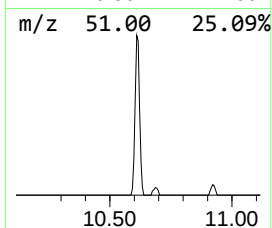
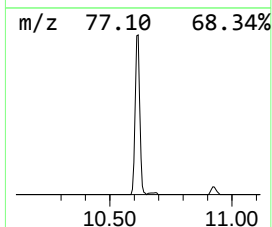
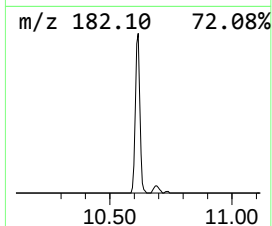
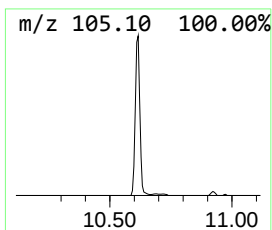
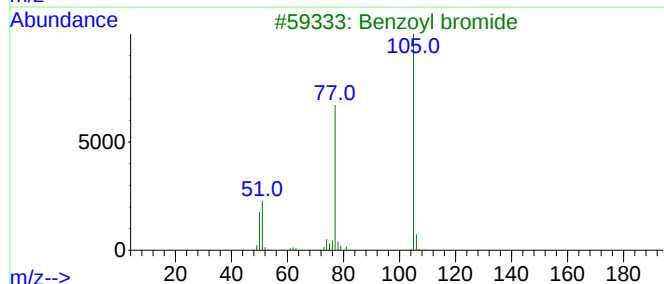
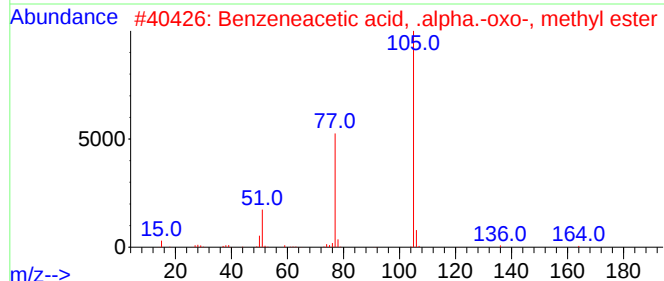
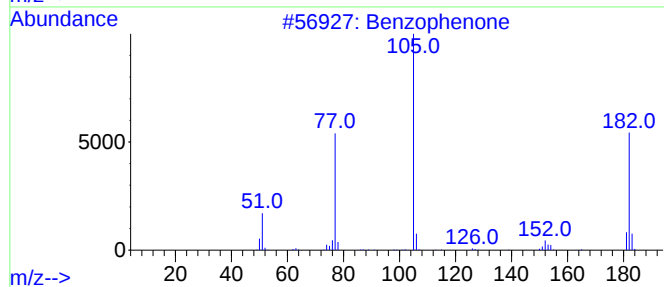
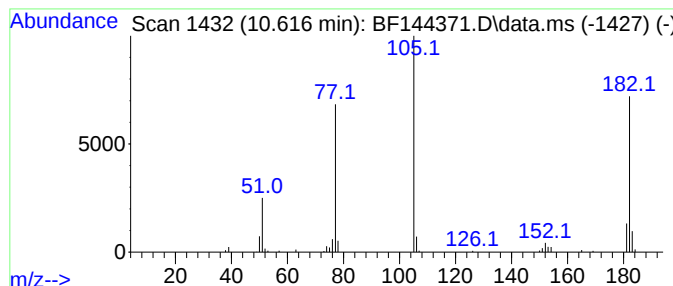
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Benzophenone Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.616	5.72 ng	121877	Acenaphthene-d10	9.898

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	96
2			Benzeneacetic acid, .alpha.-oxo-...	164	C9H8O3	015206-55-0	43
3			Benzoyl bromide	184	C7H5BrO	000618-32-6	43
4			2-Benzoyl-4-bromo-5-methyl-1,2-o...	281	C11H8BrNO3	1000444-92-3	43
5			Disulfide, dibenzoyl	274	C14H10O2S2	000644-32-6	43



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112625\
Data File : BF144371.D
Acq On : 26 Nov 2025 20:13
Operator : RC/JU
Sample : Q3719-09
Misc :
ALS Vial : 15 Sample Multiplier: 1

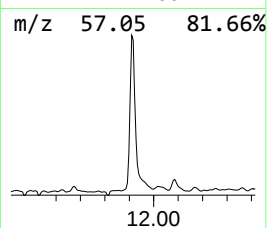
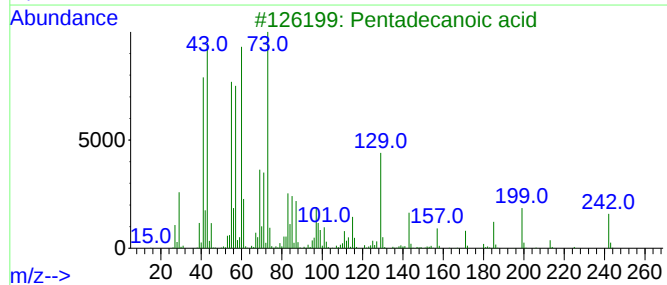
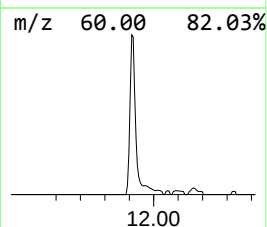
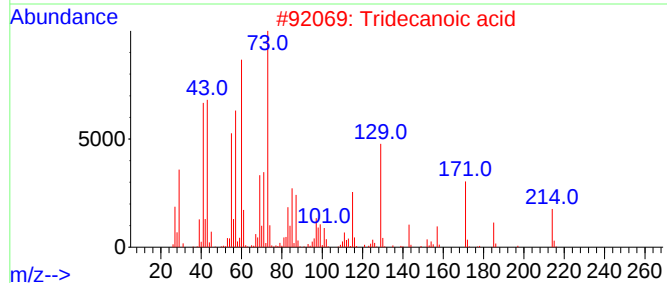
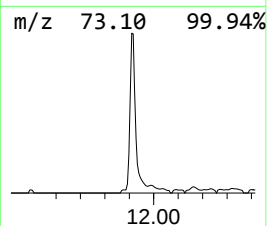
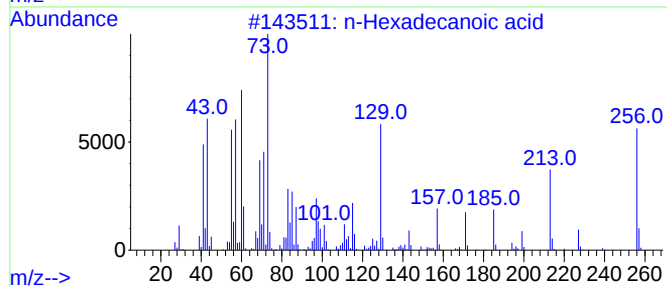
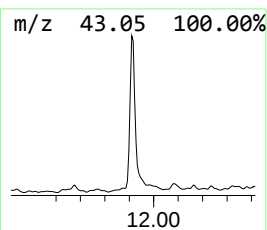
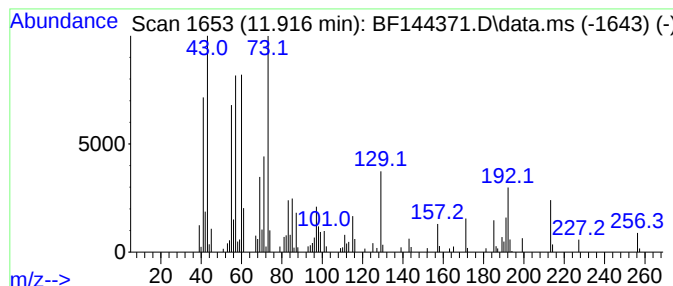
Instrument :
BNA_F
ClientSampleId :
SB-1125-15A

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.916	9.53 ng	208986	Phenanthrene-d10	11.392	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
2	Tridecanoic acid	214	C13H26O2	000638-53-9	93
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	62
4	8-Methylnonanoic acid	172	C10H20O2	005963-14-4	49
5	Tetradecanoic acid	228	C14H28O2	000544-63-8	49



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112625\
Data File : BF144371.D
Acq On : 26 Nov 2025 20:13
Operator : RC/JU
Sample : Q3719-09
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-1125-15A

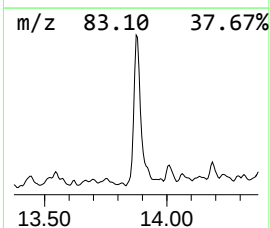
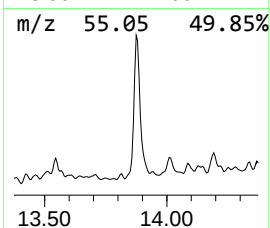
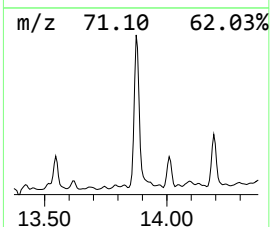
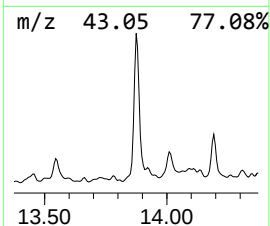
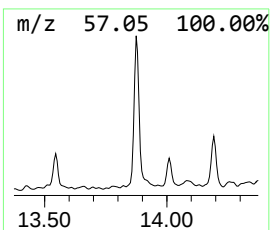
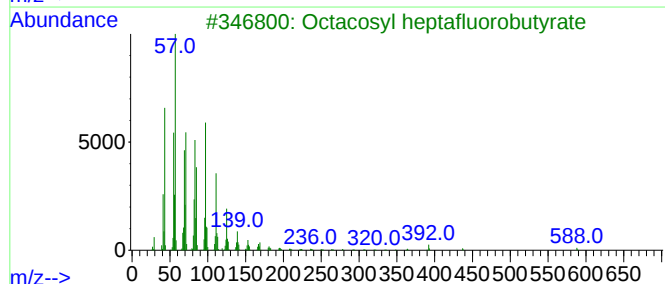
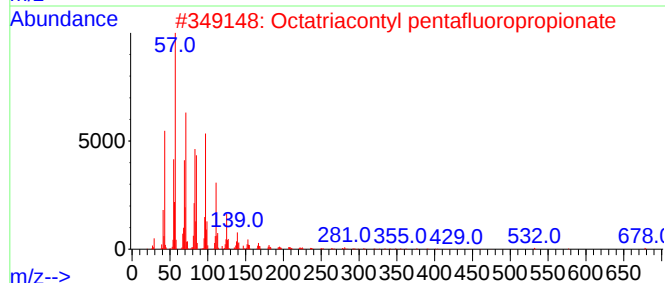
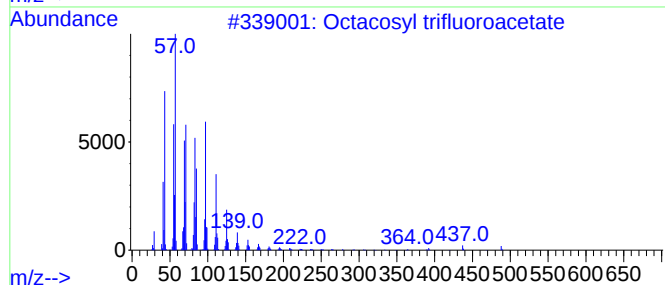
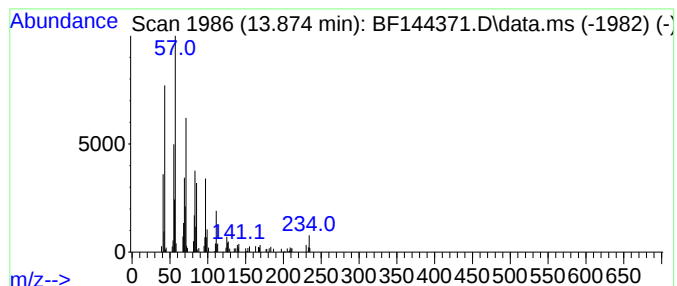
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Octacosyl trifluoroacetate Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.874	4.20 ng	134581	Chrysene-d12	14.039

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octacosyl trifluoroacetate	506	C30H57F3O2	1000351-74-9	91
2			Octatriacontyl pentafluoropropio...	697	C41H77F5O2	1000351-89-1	91
3			Octacosyl heptafluorobutyrate	606	C32H57F7O2	1010351-83-6	91
4			Tetratriacontyl heptafluorobutyrate	691	C38H69F7O2	1000351-84-1	90
5			Dotriacontyl heptafluorobutyrate	662	C36H65F7O2	1000351-84-2	90



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112625\
Data File : BF144371.D
Acq On : 26 Nov 2025 20:13
Operator : RC/JU
Sample : Q3719-09
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-1125-15A

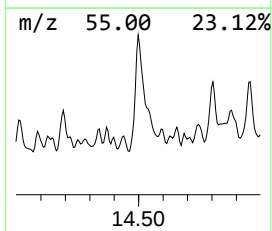
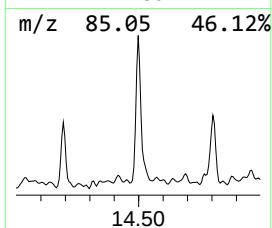
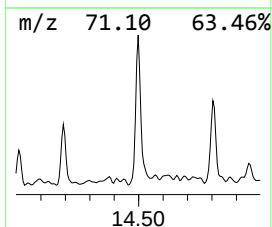
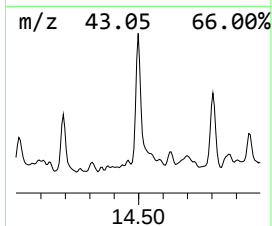
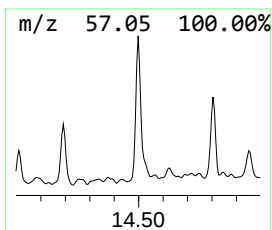
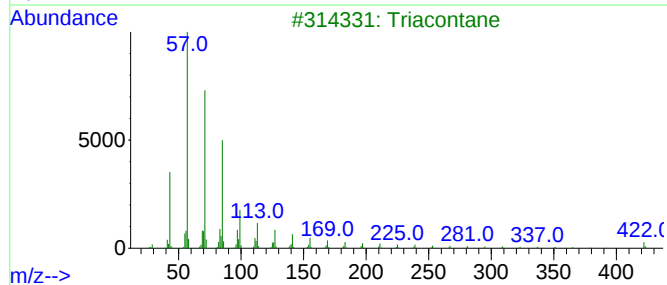
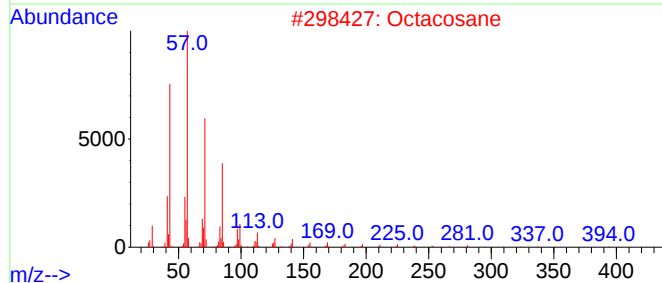
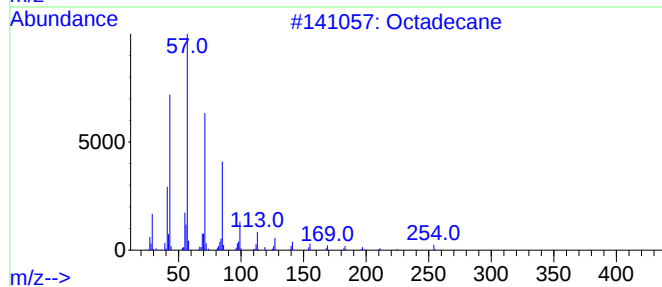
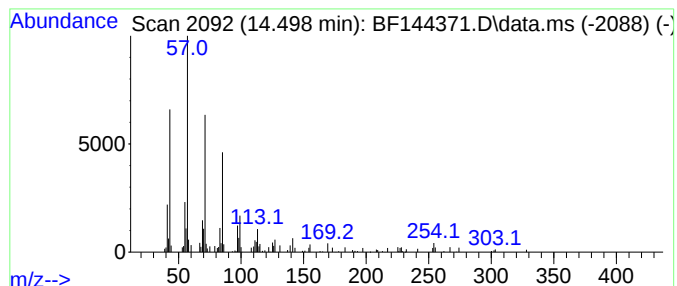
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Octadecane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.498	2.24 ng	71694	Chrysene-d12	14.039

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octadecane	254	C18H38	000593-45-3	94
2			Octacosane	394	C28H58	000630-02-4	90
3			Triacontane	422	C30H62	000638-68-6	87
4			Eicosane, 2-methyl-	296	C21H44	001560-84-5	87
5			4-Methylheneicosane	310	C22H46	025117-29-7	87



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112625\
Data File : BF144371.D
Acq On : 26 Nov 2025 20:13
Operator : RC/JU
Sample : Q3719-09
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-1125-15A

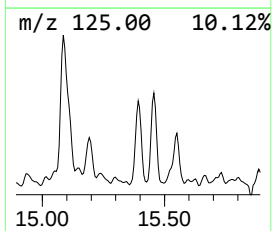
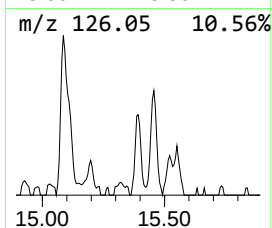
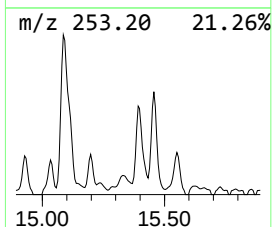
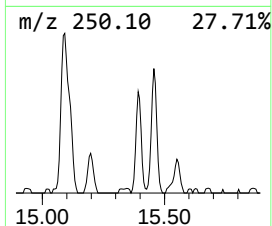
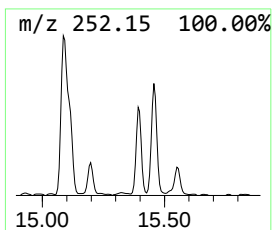
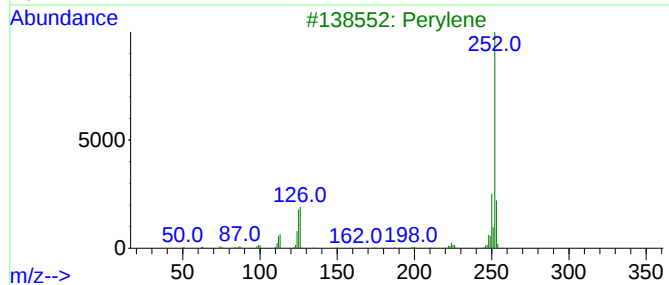
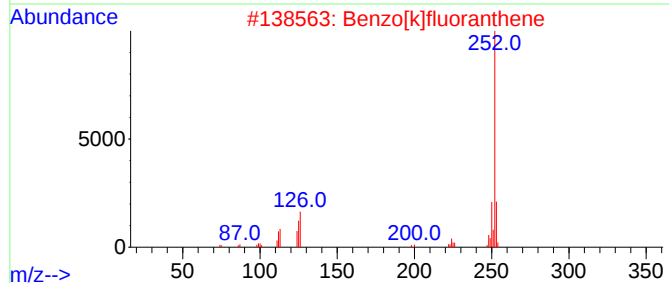
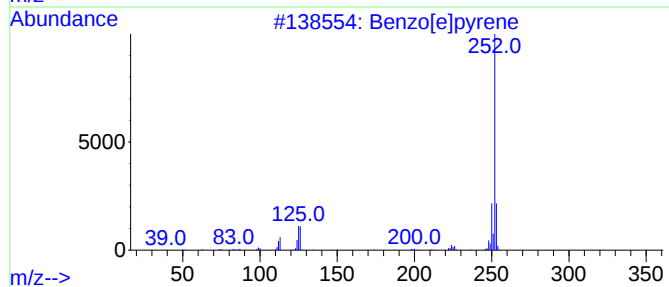
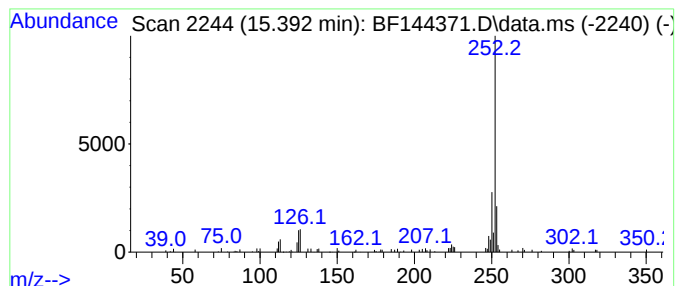
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 Benzo[e]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.392	2.25 ng	61138	Perylene-d12	15.521

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[e]pyrene	252	C20H12	000192-97-2	97
2			Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
3			Perylene	252	C20H12	000198-55-0	95
4			Benzo[a]pyrene	252	C20H12	000050-32-8	95
5			Benzo[b]fluoranthene	252	C20H12	000205-99-2	94



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112625\
Data File : BF144371.D
Acq On : 26 Nov 2025 20:13
Operator : RC/JU
Sample : Q3719-09
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-1125-15A

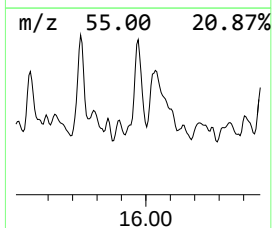
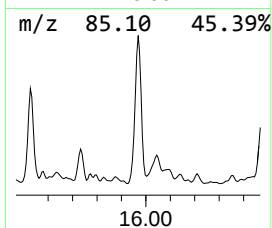
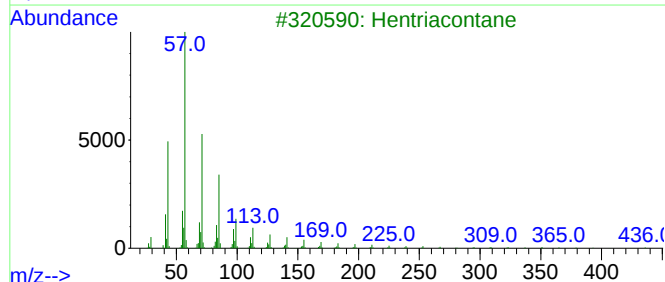
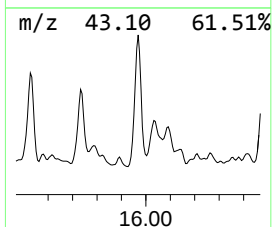
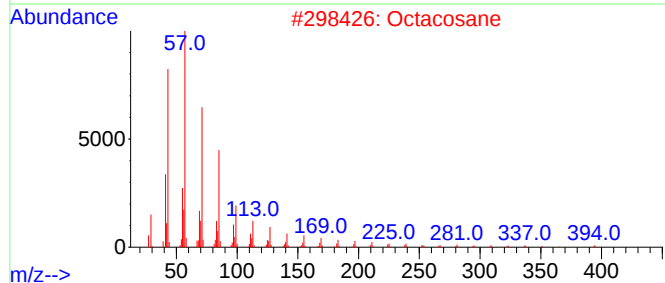
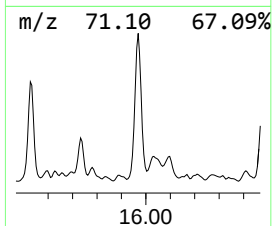
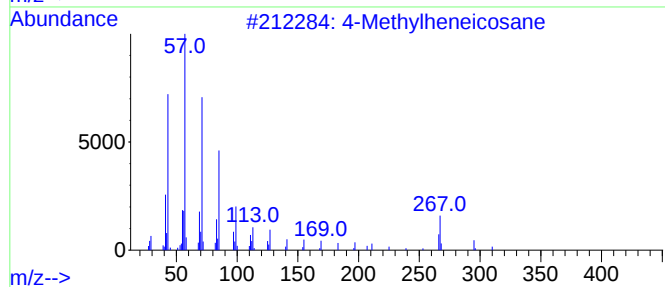
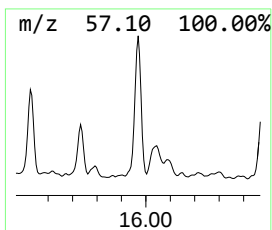
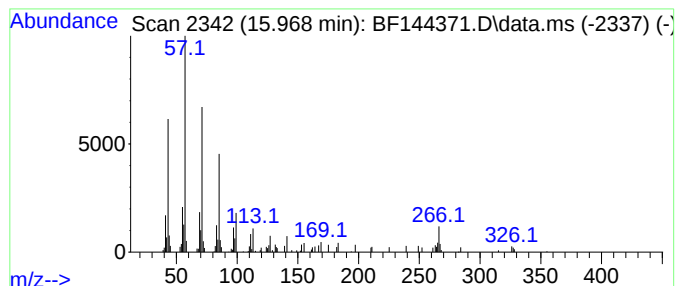
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 4-Methylheneicosane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.968	2.69 ng	73056	Perylene-d12	15.521

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			4-Methylheneicosane	310	C22H46	025117-29-7	90
2			Octacosane	394	C28H58	000630-02-4	87
3			Hentriacontane	437	C31H64	000630-04-6	87
4			Tetracosane	338	C24H50	000646-31-1	87
5			Hexacosane	366	C26H54	000630-01-3	87



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112625\
Data File : BF144371.D
Acq On : 26 Nov 2025 20:13
Operator : RC/JU
Sample : Q3719-09
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-1125-15A

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Benzophenone	10.616	5.7	ng	121877	3	9.898	426475	20.0
n-Hexadecanoic ...	11.916	9.5	ng	208986	4	11.392	438578	20.0
Octacosyl trifl...	13.874	4.2	ng	134581	5	14.039	640158	20.0
Octadecane	14.498	2.2	ng	71694	5	14.039	640158	20.0
Benzo[e]pyrene	15.392	2.3	ng	61138	6	15.521	544018	20.0
4-Methylheneico...	15.968	2.7	ng	73056	6	15.521	544018	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP120125\
 Data File : BP026203.D
 Acq On : 01 Dec 2025 19:21
 Operator : RC/JU
 Sample : Q3719-10
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SB-1125-15B

Quant Time: Dec 02 00:30:16 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP111825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 19 01:25:31 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

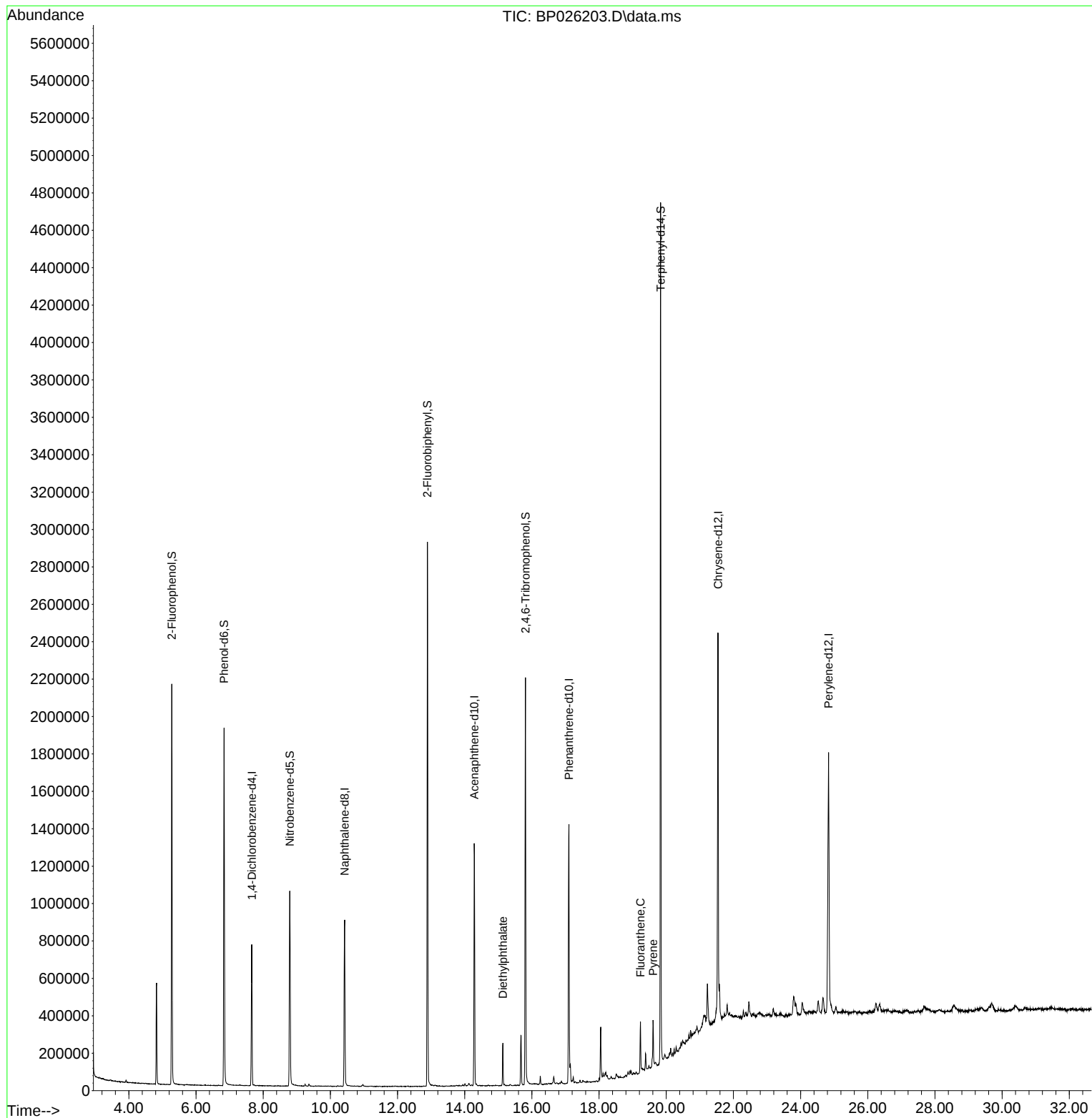
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.660	152	219787	20.000	ng	-0.01
21) Naphthalene-d8	10.425	136	815242	20.000	ng	-0.02
39) Acenaphthene-d10	14.284	164	475411	20.000	ng	-0.04
64) Phenanthrene-d10	17.101	188	944258	20.000	ng	-0.03
76) Chrysene-d12	21.542	240	1177866	20.000	ng	-0.03
86) Perylene-d12	24.830	264	1392134	20.000	ng	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.278	112	944080	68.945	ng	-0.01
7) Phenol-d6	6.837	99	1138565	65.313	ng	-0.02
23) Nitrobenzene-d5	8.790	82	665253	46.352	ng	-0.02
42) 2,4,6-Tribromophenol	15.807	330	434698	70.485	ng	-0.03
45) 2-Fluorobiphenyl	12.890	172	1565990	48.276	ng	-0.04
79) Terphenyl-d14	19.830	244	2558988	44.300	ng	-0.04
Target Compounds						Qvalue
60) Diethylphthalate	15.136	149	134710	3.766	ng	100
75) Fluoranthene	19.230	202	169153	2.617	ng	99
78) Pyrene	19.607	202	155218	2.010	ng	98

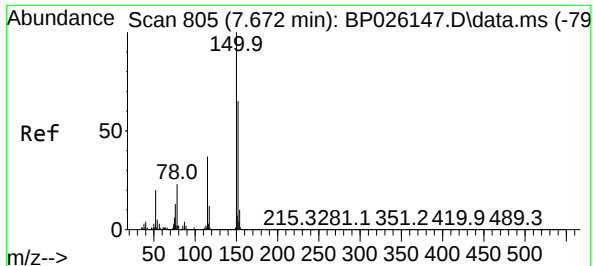
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Acq On : 01 Dec 2025 19:21
Operator : RC/JU
Sample : Q3719-10
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SB-1125-15B

Quant Time: Dec 02 00:30:16 2025
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 19 01:25:31 2025
Response via : Initial Calibration

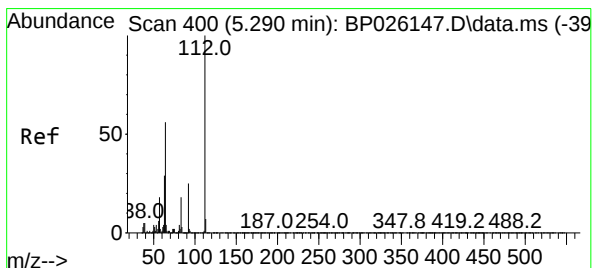
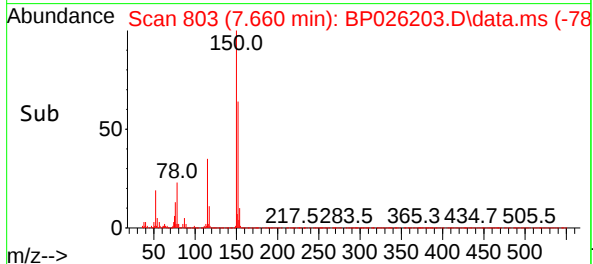
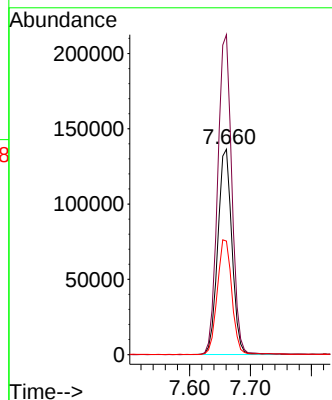
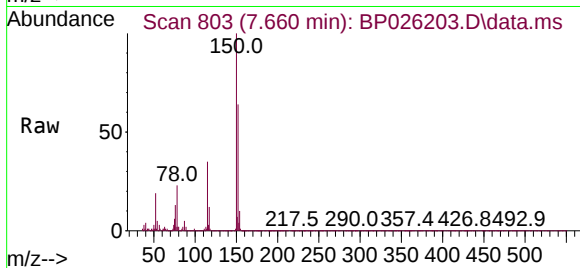




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.660 min Scan# 805
Delta R.T. -0.012 min
Lab File: BP026203.D
Acq: 01 Dec 2025 19:21

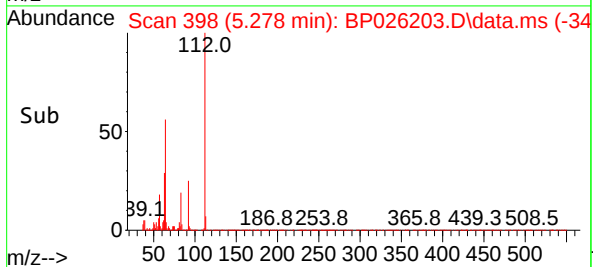
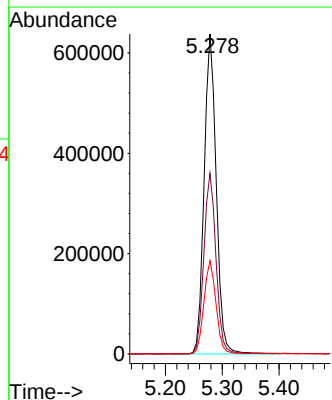
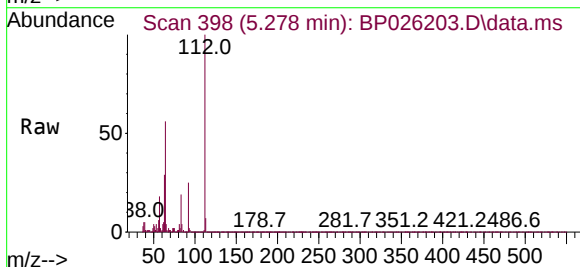
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ClientSampleId :
SB-1125-15B

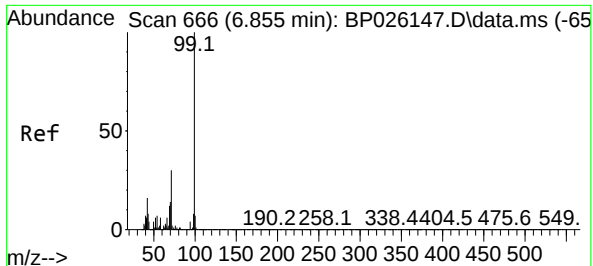
Tgt Ion:152 Resp: 219787
Ion Ratio Lower Upper
152 100
150 155.8 123.0 184.6
115 55.3 46.3 69.5



#5
2-Fluorophenol
Concen: 68.945 ng
RT: 5.278 min Scan# 398
Delta R.T. -0.012 min
Lab File: BP026203.D
Acq: 01 Dec 2025 19:21

Tgt Ion:112 Resp: 944080
Ion Ratio Lower Upper
112 100
64 56.4 45.8 68.6
63 29.2 23.5 35.3

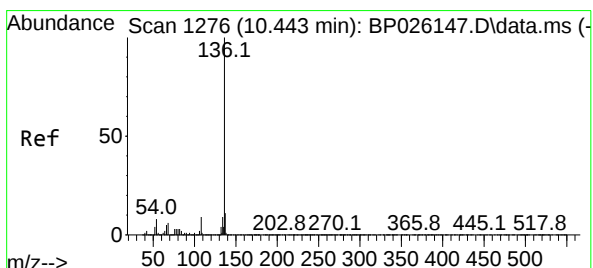
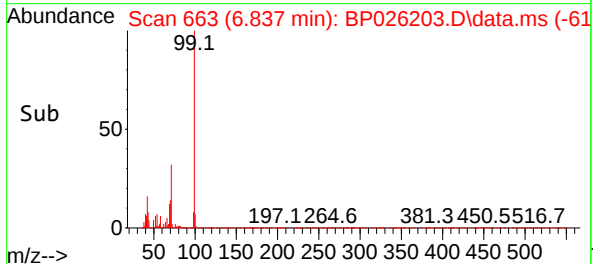
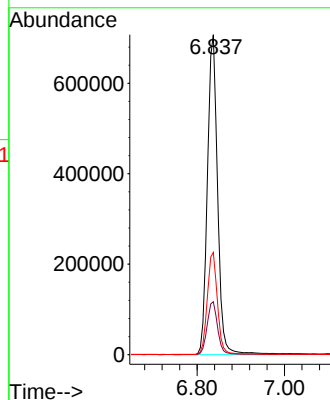
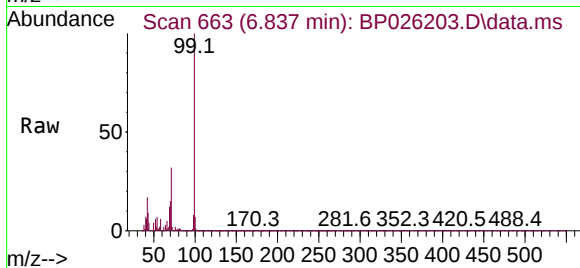




#7
Phenol-d6
Concen: 65.313 ng
RT: 6.837 min Scan# 60
Delta R.T. -0.018 min
Lab File: BP026203.D
Acq: 01 Dec 2025 19:21

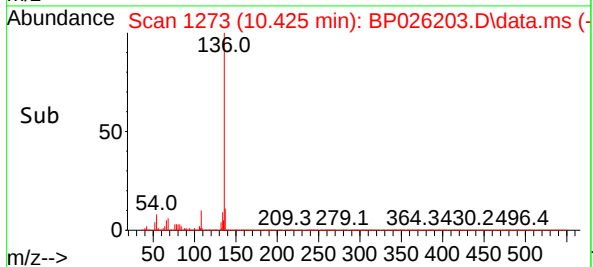
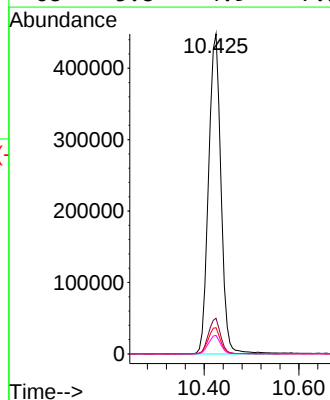
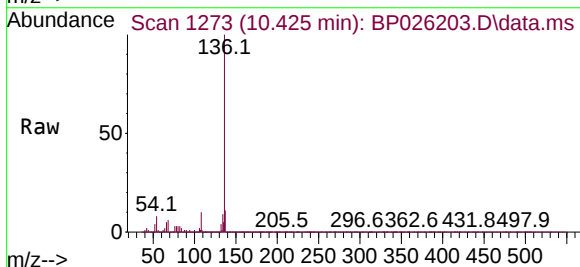
Instrument :
BNA_P
ClientSampleId :
SB-1125-15B

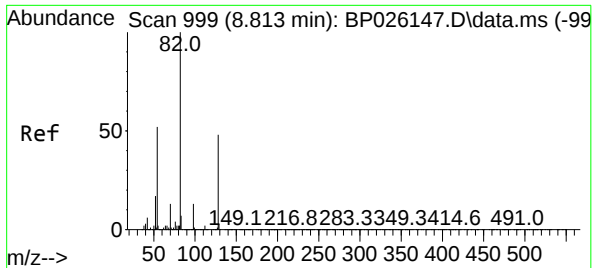
Tgt Ion: 99 Resp: 1138565
Ion Ratio Lower Upper
99 100
42 16.5 12.9 19.3
71 31.9 24.8 37.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.425 min Scan# 1273
Delta R.T. -0.024 min
Lab File: BP026203.D
Acq: 01 Dec 2025 19:21

Tgt Ion: 136 Resp: 815242
Ion Ratio Lower Upper
136 100
137 11.1 8.7 13.1
54 8.2 6.4 9.6
68 5.8 4.9 7.3





#23

Nitrobenzene-d5

Concen: 46.352 ng

RT: 8.790 min Scan# 99

Delta R.T. -0.023 min

Lab File: BP026203.D

Acq: 01 Dec 2025 19:21

Instrument :

BNA_P

ClientSampleId :

SB-1125-15B

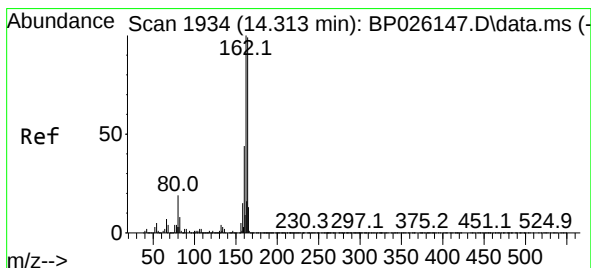
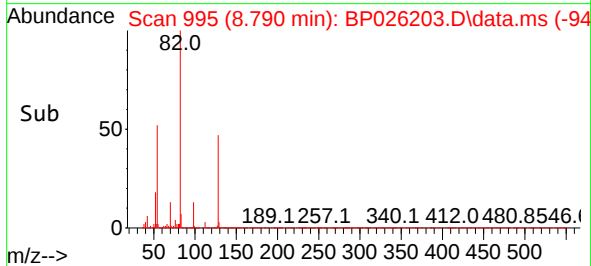
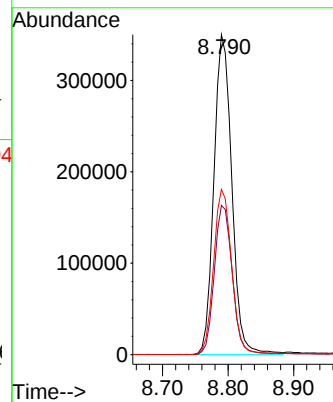
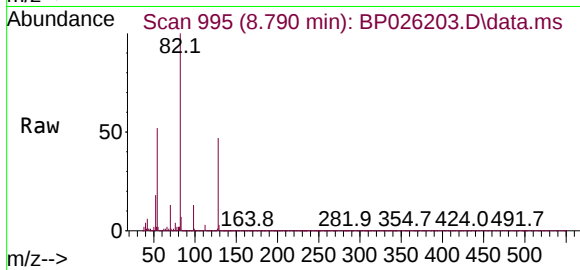
Tgt Ion: 82 Resp: 665253

Ion Ratio Lower Upper

82 100

128 46.6 37.4 56.0

54 51.6 41.6 62.4



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.284 min Scan# 1929

Delta R.T. -0.041 min

Lab File: BP026203.D

Acq: 01 Dec 2025 19:21

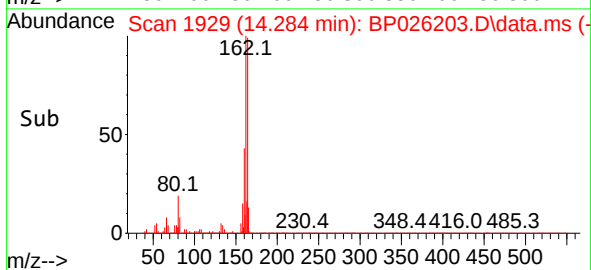
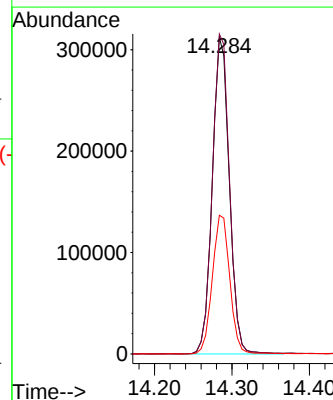
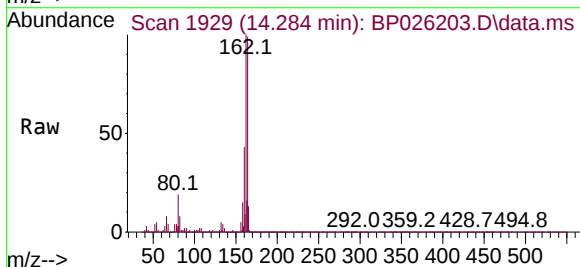
Tgt Ion: 164 Resp: 475411

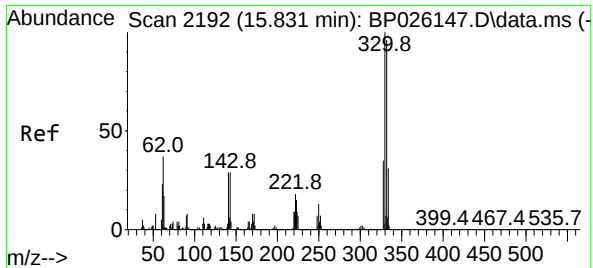
Ion Ratio Lower Upper

164 100

162 101.1 80.3 120.5

160 43.8 35.2 52.8

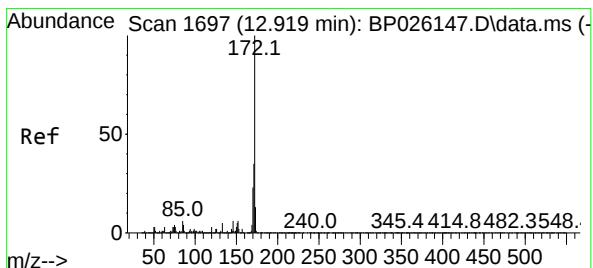
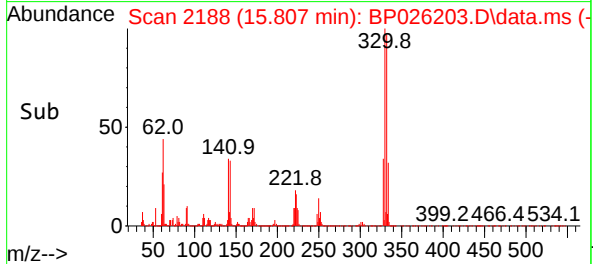
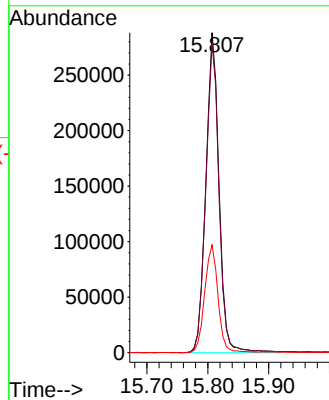
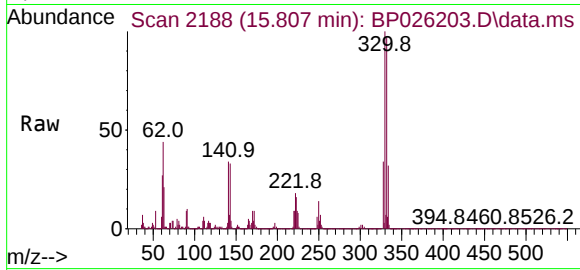




#42
2,4,6-Tribromophenol
Concen: 70.485 ng
RT: 15.807 min Scan# 2192
Delta R.T. -0.029 min
Lab File: BP026203.D
Acq: 01 Dec 2025 19:21

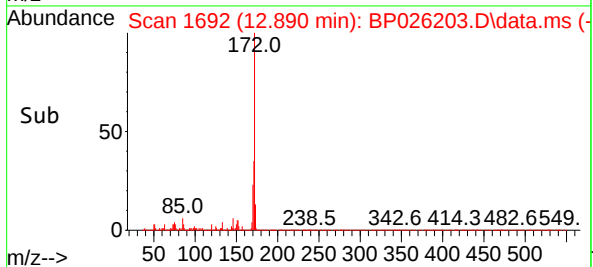
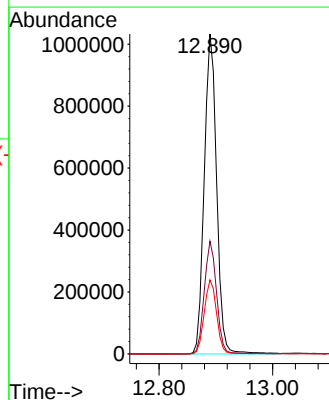
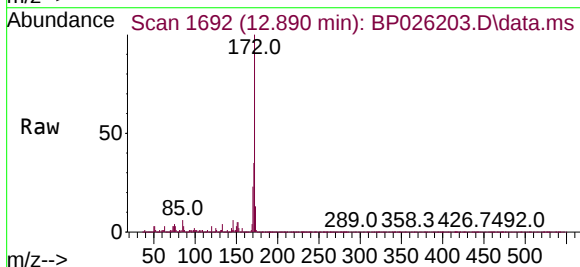
Instrument :
BNA_P
ClientSampleId :
SB-1125-15B

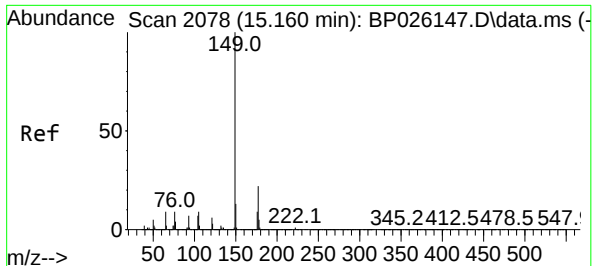
Tgt Ion:330 Resp: 434698
Ion Ratio Lower Upper
330 100
332 96.8 78.0 117.0
141 33.8 26.8 40.2



#45
2-Fluorobiphenyl
Concen: 48.276 ng
RT: 12.890 min Scan# 1692
Delta R.T. -0.041 min
Lab File: BP026203.D
Acq: 01 Dec 2025 19:21

Tgt Ion:172 Resp: 1565990
Ion Ratio Lower Upper
172 100
171 35.2 28.2 42.4
170 23.1 18.7 28.1

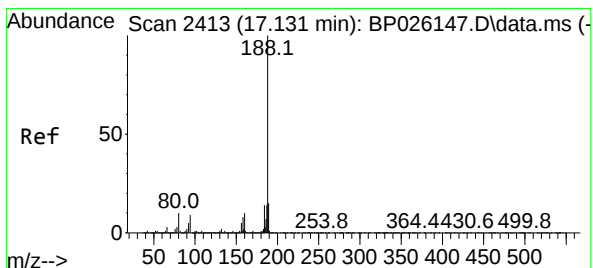
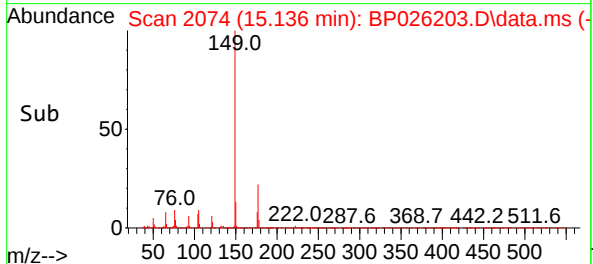
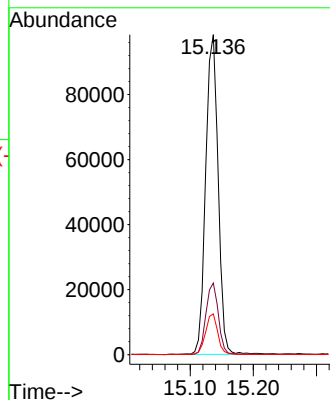
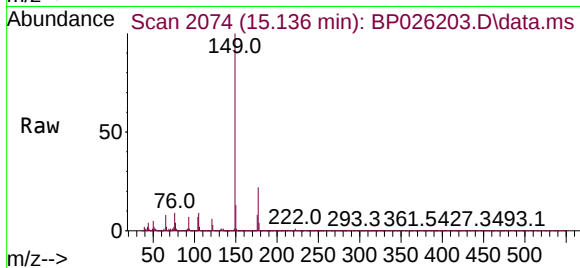




#60
Diethylphthalate
Concen: 3.766 ng
RT: 15.136 min Scan# 2078
Delta R.T. -0.035 min
Lab File: BP026203.D
Acq: 01 Dec 2025 19:21

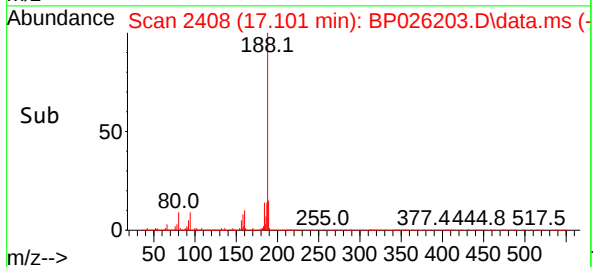
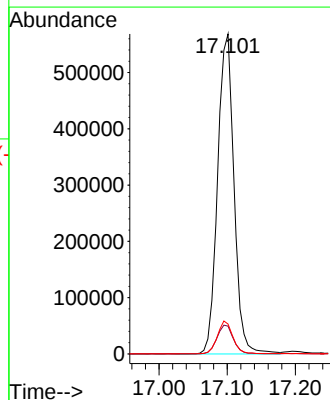
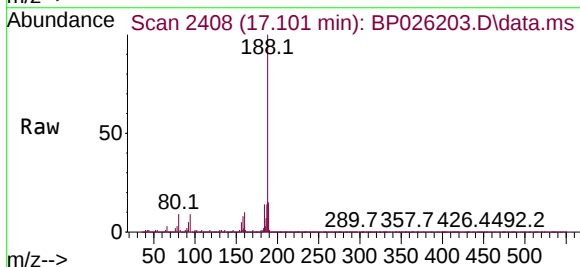
Instrument :
BNA_P
ClientSampleId :
SB-1125-15B

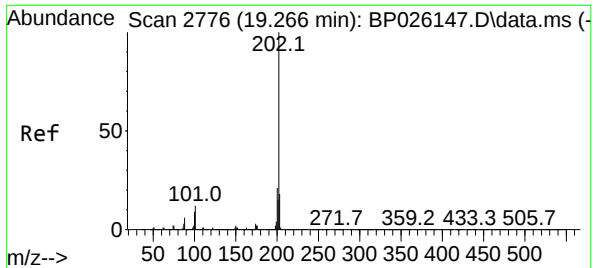
Tgt Ion:149 Resp: 134710
Ion Ratio Lower Upper
149 100
177 22.4 17.9 26.9
150 12.7 9.9 14.9



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.101 min Scan# 2408
Delta R.T. -0.029 min
Lab File: BP026203.D
Acq: 01 Dec 2025 19:21

Tgt Ion:188 Resp: 944258
Ion Ratio Lower Upper
188 100
94 8.7 7.8 11.6
80 9.4 8.2 12.2

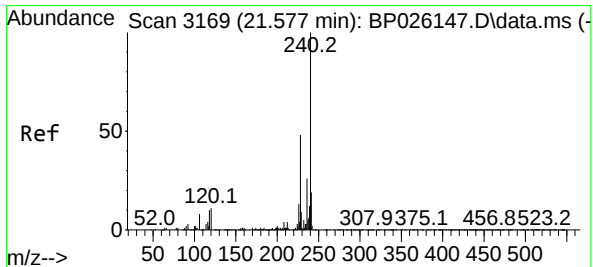
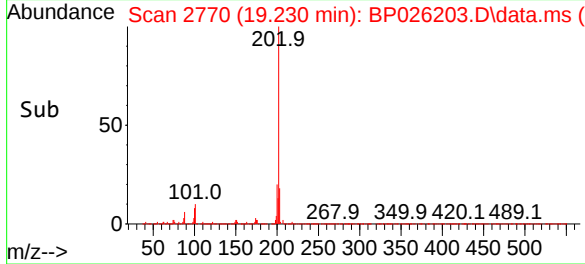
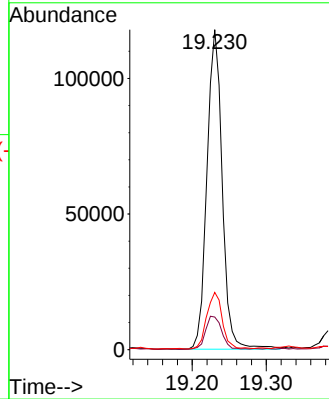
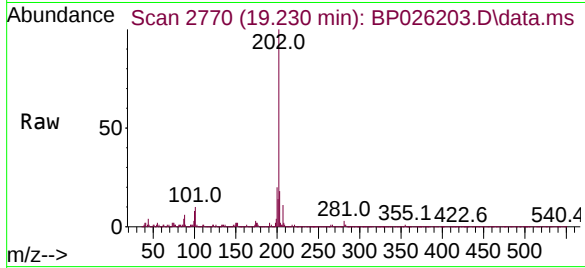




#75
Fluoranthene
Concen: 2.617 ng
RT: 19.230 min Scan# 21
Delta R.T. -0.035 min
Lab File: BP026203.D
Acq: 01 Dec 2025 19:21

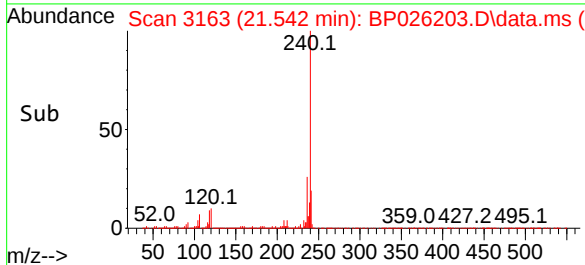
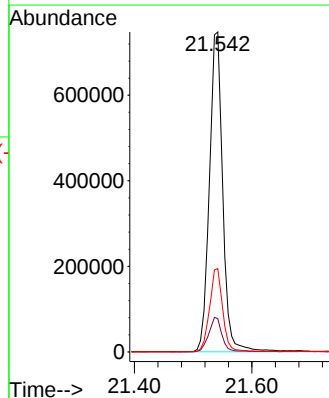
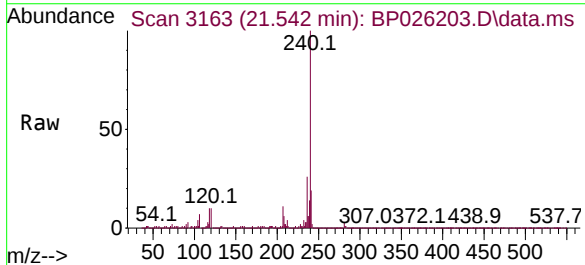
Instrument :
BNA_P
ClientSampleId :
SB-1125-15B

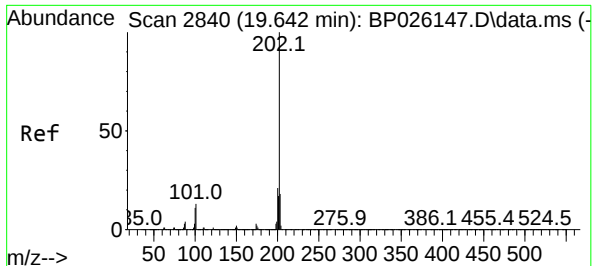
Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.2	0.0	31.2
203	17.9	0.0	37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.542 min Scan# 3163
Delta R.T. -0.029 min
Lab File: BP026203.D
Acq: 01 Dec 2025 19:21

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.4	9.0	13.4
236	26.0	20.4	30.6

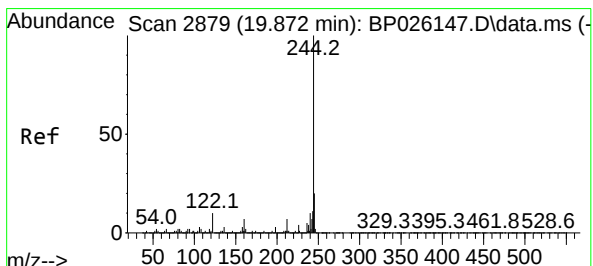
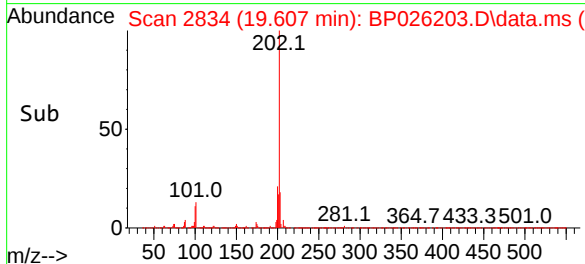
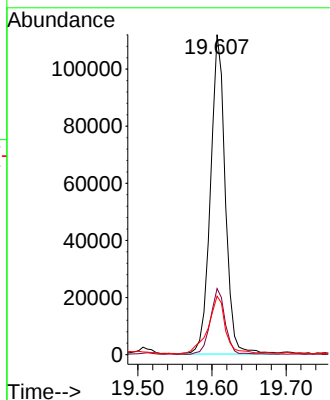
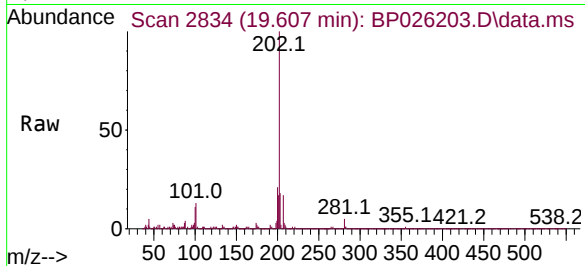




#78
Pyrene
Concen: 2.010 ng
RT: 19.607 min Scan# 2834
Delta R.T. -0.035 min
Lab File: BP026203.D
Acq: 01 Dec 2025 19:21

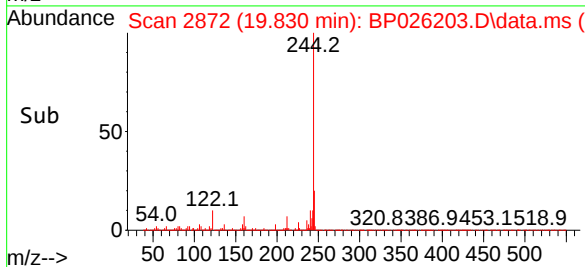
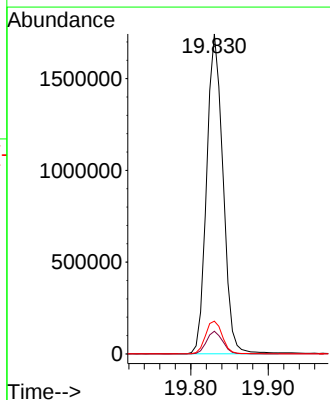
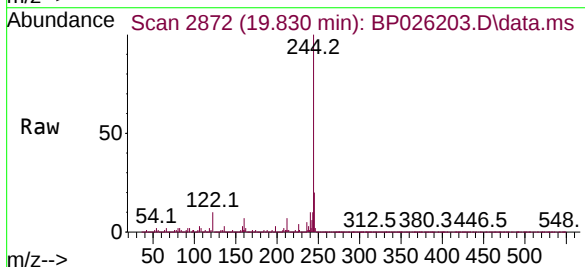
Instrument :
BNA_P
ClientSampleId :
SB-1125-15B

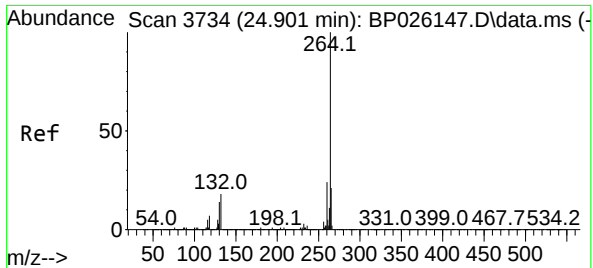
Tgt Ion:202 Resp: 155218
Ion Ratio Lower Upper
202 100
200 20.6 16.9 25.3
203 18.3 13.8 20.8



#79
Terphenyl-d14
Concen: 44.300 ng
RT: 19.830 min Scan# 2872
Delta R.T. -0.041 min
Lab File: BP026203.D
Acq: 01 Dec 2025 19:21

Tgt Ion:244 Resp: 2558988
Ion Ratio Lower Upper
244 100
212 7.1 5.8 8.8
122 10.2 8.2 12.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.830 min Scan# 31

Delta R.T. -0.076 min

Lab File: BP026203.D

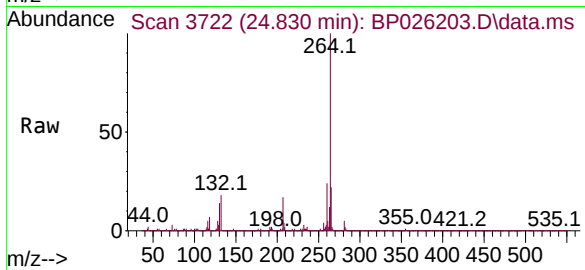
Acq: 01 Dec 2025 19:21

Instrument :

BNA_P

ClientSampleId :

SB-1125-15B



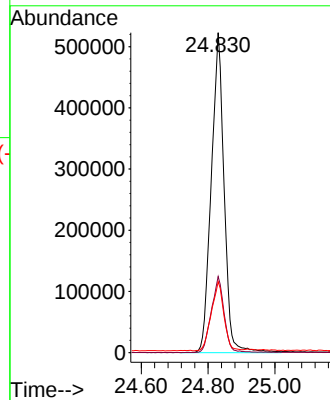
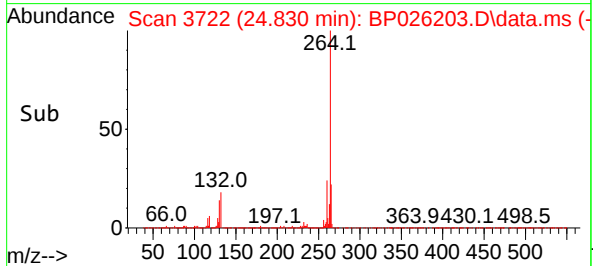
Tgt Ion:264 Resp: 1392134

Ion Ratio Lower Upper

264 100

260 23.8 18.7 28.1

265 22.2 17.5 26.3



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP120125\
 Data File : BP026203.D
 Acq On : 01 Dec 2025 19:21
 Operator : RC/JU
 Sample : Q3719-10
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SB-1125-15B

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP111825.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP026203.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.825	315	321	331	rBV	541732	777349	11.42%	1.929%
2	5.278	392	398	417	rBV	2139780	3156894	46.36%	7.835%
3	6.837	655	663	675	rBV	1913647	3099526	45.52%	7.692%
4	7.660	795	803	810	rBV	755037	1235670	18.15%	3.067%
5	8.790	987	995	1010	rBV	1042131	1999125	29.36%	4.961%
6	10.425	1260	1273	1287	rBV	890843	1635672	24.02%	4.059%
7	12.890	1685	1692	1709	rBV	2909757	4405914	64.70%	10.935%
8	14.284	1921	1929	1938	rBV	1296329	2003819	29.43%	4.973%
9	15.136	2066	2074	2079	rBV	228621	320192	4.70%	0.795%
10	15.672	2157	2165	2175	rBV	268330	470309	6.91%	1.167%
11	15.807	2180	2188	2199	rBV	2177495	3309033	48.59%	8.212%
12	16.648	2326	2331	2339	rVB3	36678	70937	1.04%	0.176%
13	17.101	2400	2408	2413	rBV	1384832	2297183	33.73%	5.701%
14	17.142	2413	2415	2421	rVB	95179	132485	1.95%	0.329%
15	18.048	2564	2569	2576	rBV2	281367	444445	6.53%	1.103%
16	19.230	2765	2770	2777	rBV	269502	400101	5.88%	0.993%
17	19.383	2792	2796	2802	rBV3	85519	123726	1.82%	0.307%
18	19.607	2826	2834	2842	rBV	251534	428309	6.29%	1.063%
19	19.830	2866	2872	2885	rBV	4595100	6809681	100.00%	16.900%
20	21.224	3105	3109	3120	rVB5	216024	460671	6.76%	1.143%
21	21.536	3156	3162	3168	rBV	1999351	3256202	47.82%	8.081%
22	24.830	3713	3722	3736	rBV	1365190	3456057	50.75%	8.577%

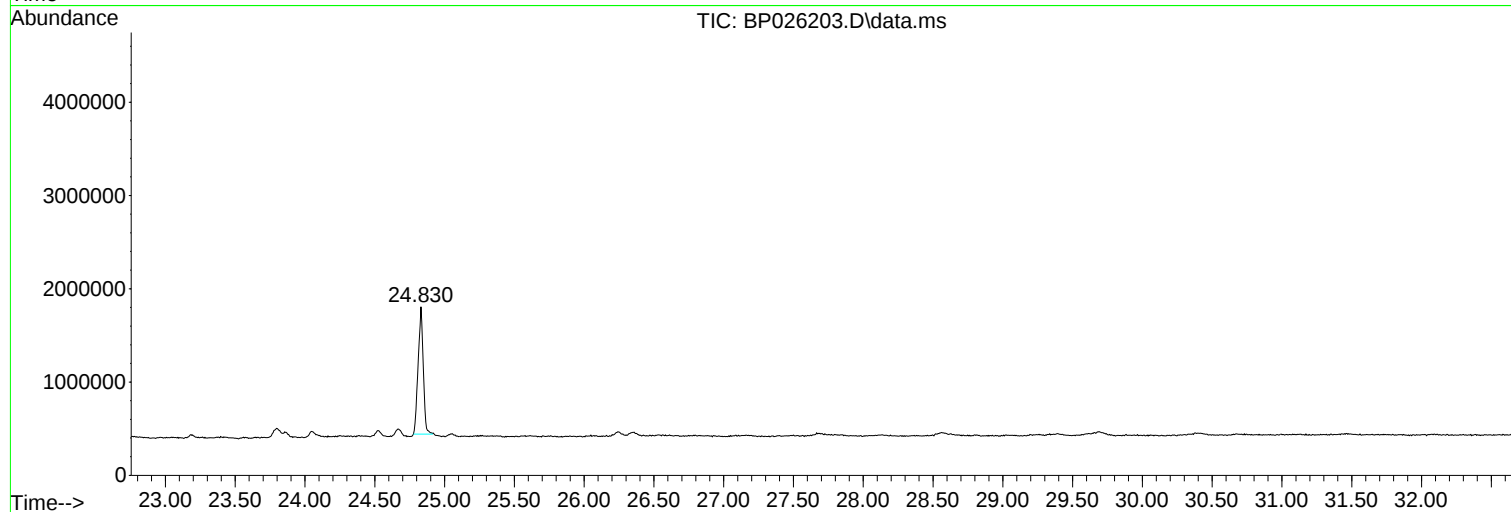
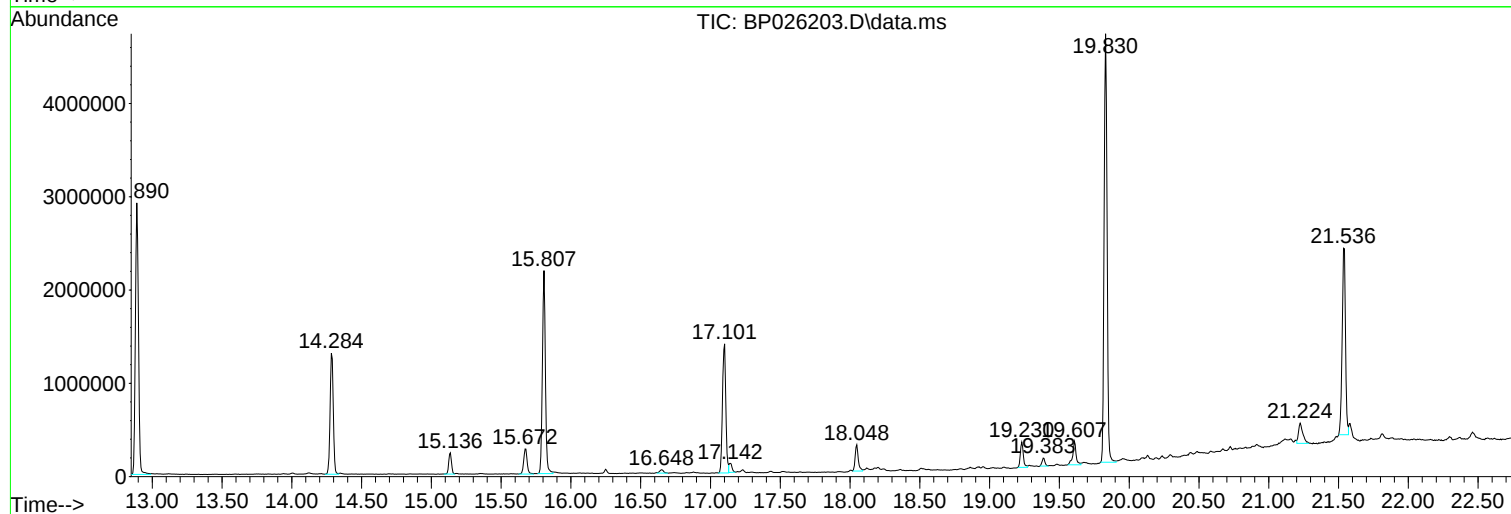
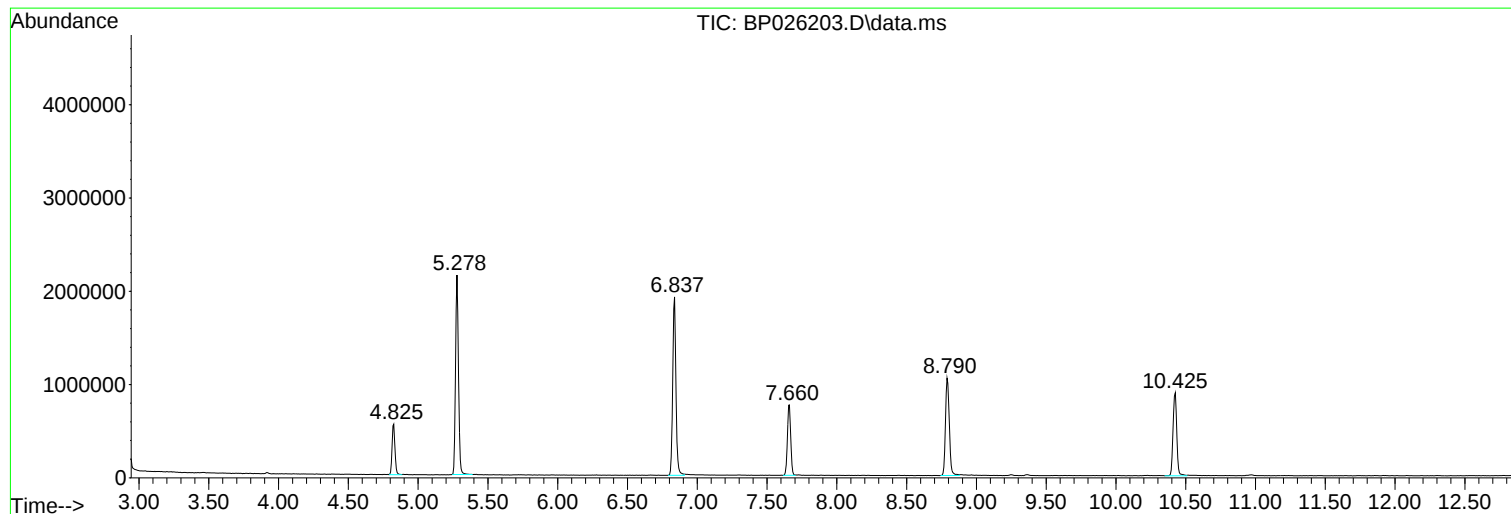
Sum of corrected areas: 40293300

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP120125\
Data File : BP026203.D
Acq On : 01 Dec 2025 19:21
Operator : RC/JU
Sample : Q3719-10
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SB-1125-15B

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP111825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP120125\
Data File : BP026203.D
Acq On : 01 Dec 2025 19:21
Operator : RC/JU
Sample : Q3719-10
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SB-1125-15B

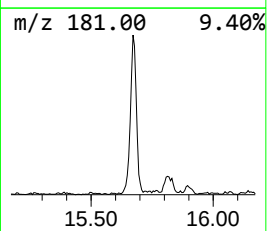
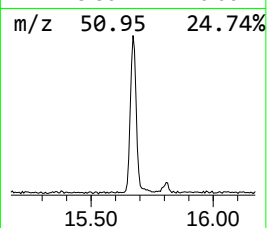
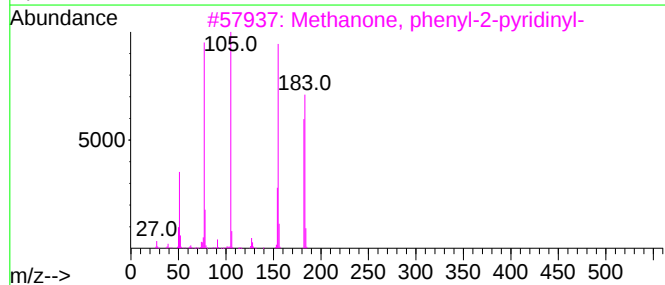
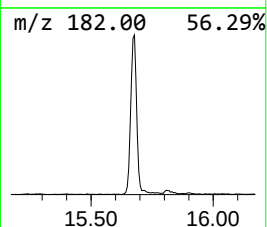
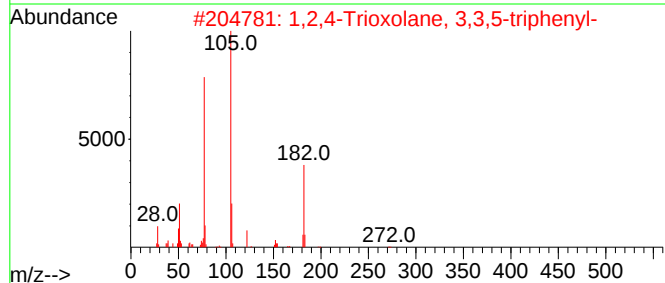
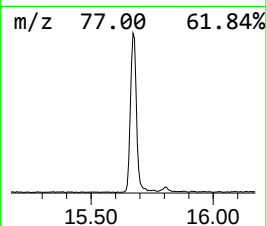
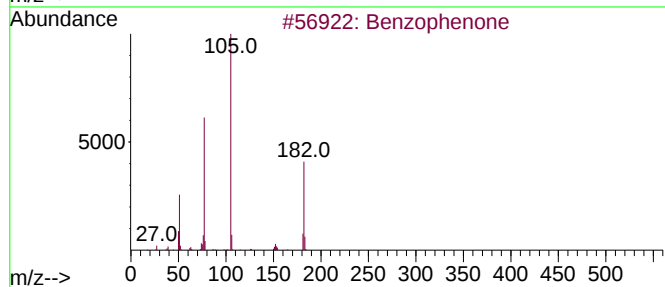
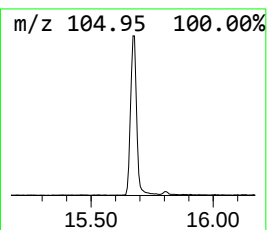
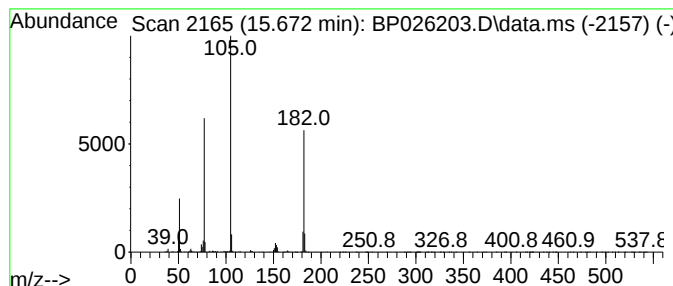
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Benzophenone Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.672	4.69 ng	470309	Acenaphthene-d10	14.284

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	97
2			1,2,4-Trioxolane, 3,3,5-triphenyl-	304	C20H16O3	023246-12-0	45
3			Methanone, phenyl-2-pyridinyl-	183	C12H9NO	000091-02-1	45
4			Azobenzene	182	C12H10N2	000103-33-3	42
5			Benzenamine, N-(3-pyridinylmethy...	182	C12H10N2	029722-97-2	42



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP120125\
Data File : BP026203.D
Acq On : 01 Dec 2025 19:21
Operator : RC/JU
Sample : Q3719-10
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SB-1125-15B

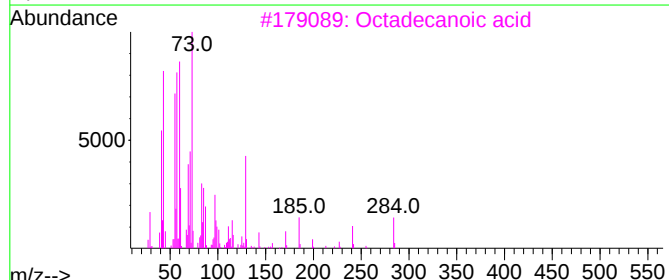
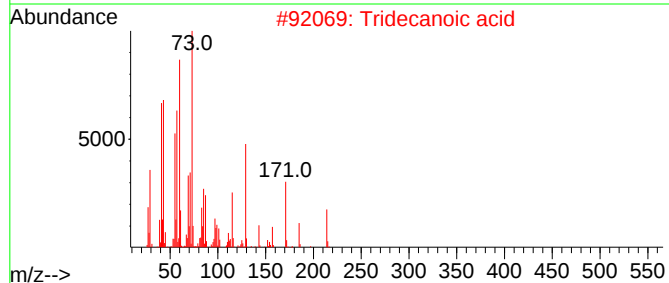
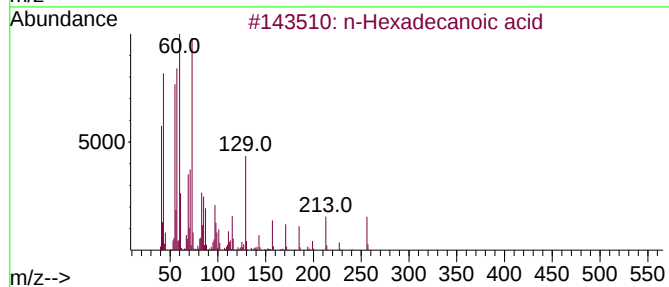
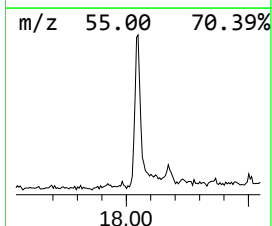
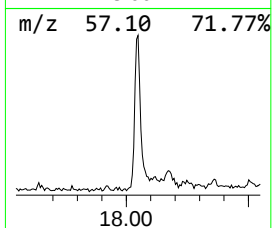
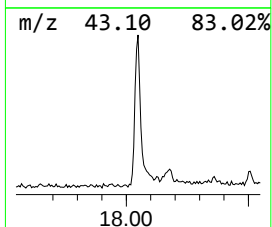
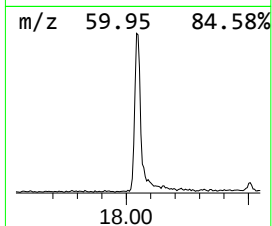
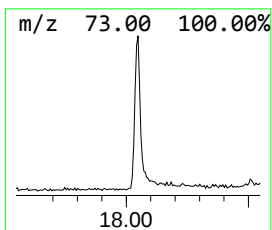
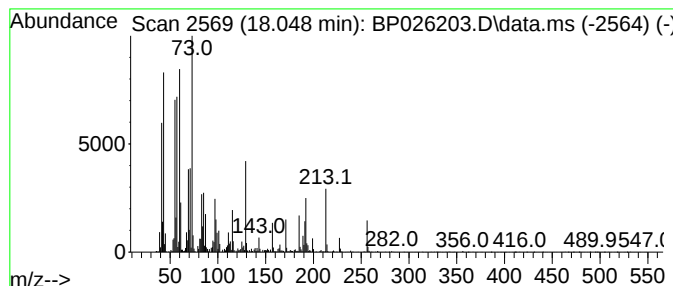
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 n-Hexadecanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.048	3.87 ng	444445	Phenanthrene-d10	17.101

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2			Tridecanoic acid	214	C13H26O2	000638-53-9	91
3			Octadecanoic acid	284	C18H36O2	000057-11-4	90
4			Pentadecanoic acid	242	C15H30O2	001002-84-2	74
5			Tetradecanoic acid	228	C14H28O2	000544-63-8	72



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP120125\
Data File : BP026203.D
Acq On : 01 Dec 2025 19:21
Operator : RC/JU
Sample : Q3719-10
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SB-1125-15B

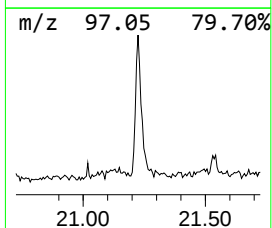
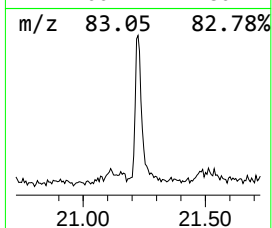
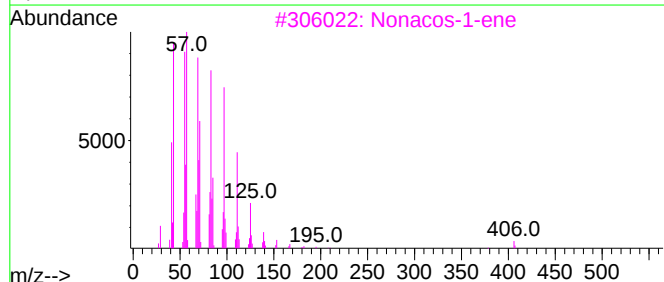
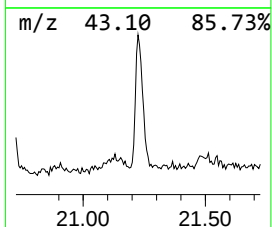
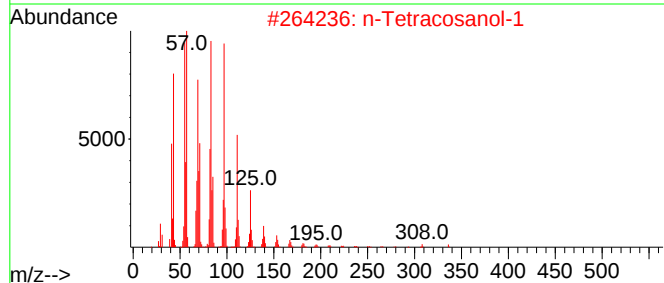
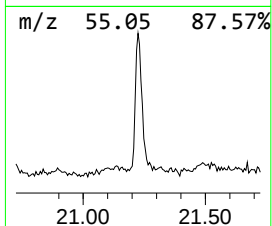
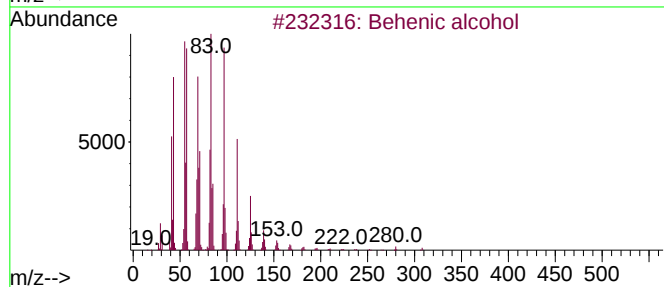
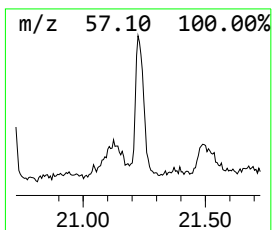
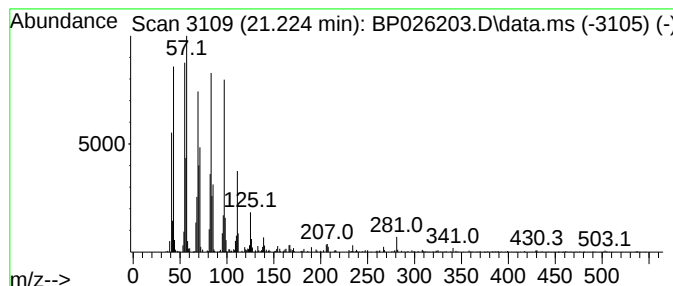
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Behenic alcohol Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.224	2.83 ng	460671	Chrysene-d12	21.542

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Behenic alcohol	326	C22H46O	000661-19-8	94
2			n-Tetracosanol-1	354	C24H50O	000506-51-4	94
3			Nonacos-1-ene	406	C29H58	018835-35-3	94
4			1-Heneicosanol	312	C21H44O	015594-90-8	94
5			Heptacos-1-ene	378	C27H54	015306-27-1	94



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP120125\
Data File : BP026203.D
Acq On : 01 Dec 2025 19:21
Operator : RC/JU
Sample : Q3719-10
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SB-1125-15B

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP111825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Benzophenone	15.672	4.7	ng	470309	3	14.284	2003820	20.0
n-Hexadecanoic ...	18.048	3.9	ng	444445	4	17.101	2297180	20.0
Behenic alcohol	21.224	2.8	ng	460671	5	21.542	3256200	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120125\
 Data File : BF144388.D
 Acq On : 01 Dec 2025 15:45
 Operator : RC/JU
 Sample : Q3719-11
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-1125-16A

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
 Supervised By :mohammad ahmed 12/03/2025

Quant Time: Dec 01 16:08:50 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 05 18:37:33 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	47886	20.000	ng	-0.01
21) Naphthalene-d8	8.145	136	176365	20.000	ng	-0.01
39) Acenaphthene-d10	9.898	164	87150	20.000	ng	-0.02
64) Phenanthrene-d10	11.392	188	137127	20.000	ng	-0.01
76) Chrysene-d12	14.045	240	130274	20.000	ng	0.00
86) Perylene-d12	15.527	264	154506	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	280528	91.674	ng	0.00
7) Phenol-d6	6.498	99	306713	88.459	ng	0.00
23) Nitrobenzene-d5	7.422	82	191621	62.751	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	81698	74.703	ng	-0.01
45) 2-Fluorobiphenyl	9.216	172	351776	59.616	ng	-0.01
79) Terphenyl-d14	12.980	244	342831	41.801	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.416	178	38898	5.697	ng	98
75) Fluoranthene	12.610	202	76723	10.879	ng	98
78) Pyrene	12.839	202	71799	6.835	ng	96
81) Benzo(a)anthracene	14.033	228	45679	5.059	ng	97
83) Chrysene	14.068	228	37385m	4.485	ng	
84) Bis(2-ethylhexyl)phtha...	14.010	149	14718	2.953	ng	# 92
88) Benzo(b)fluoranthene	15.092	252	57412m	6.536	ng	
89) Benzo(k)fluoranthene	15.110	252	16485m	2.005	ng	
90) Benzo(a)pyrene	15.463	252	40123	4.951	ng	# 93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

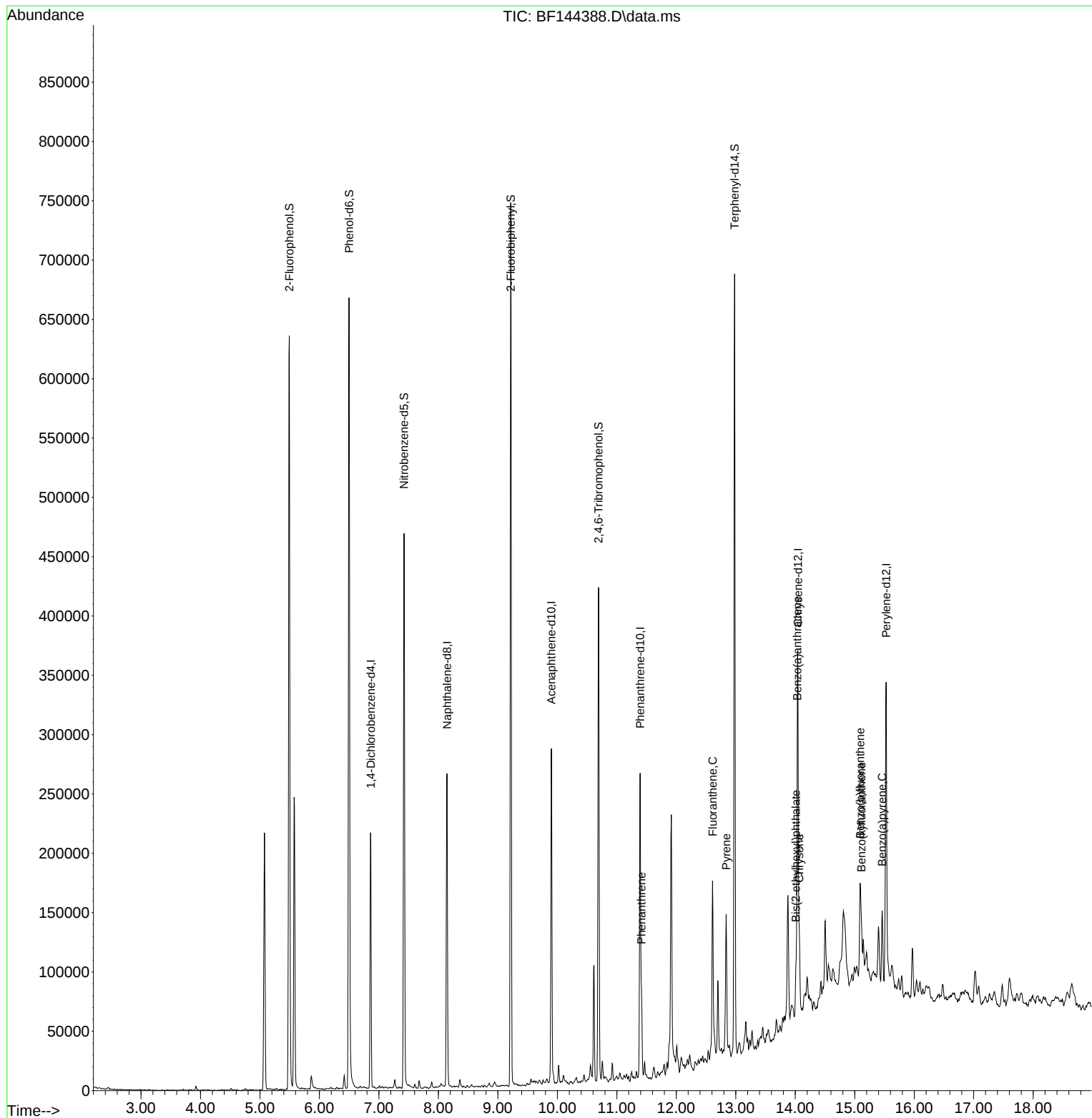
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Acq On : 01 Dec 2025 15:45
Operator : RC/JU
Sample : Q3719-11
Misc :
ALS Vial : 8 Sample Multiplier: 1

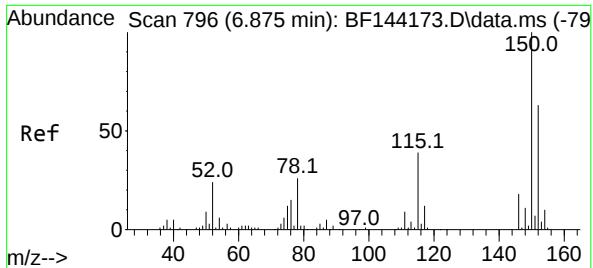
Instrument :
BNA_F
ClientSampleId :
SB-1125-16A

Quant Time: Dec 01 16:08:50 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 18:37:33 2025
Response via : Initial Calibration

Manual Integrations
APPROVED

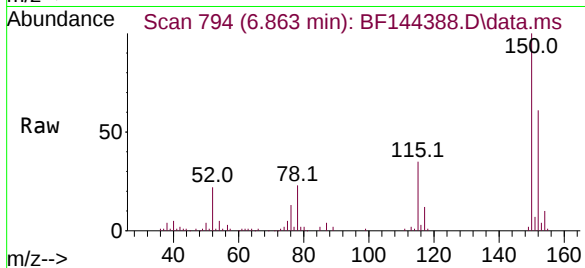
Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 796
Delta R.T. -0.012 min
Lab File: BF144388.D
Acq: 01 Dec 2025 15:45

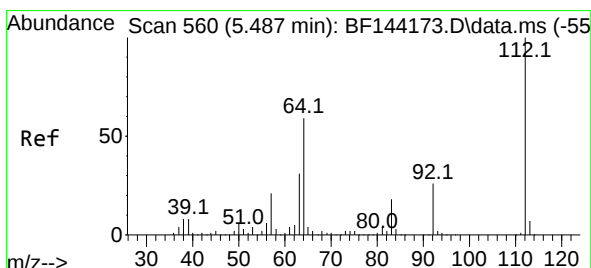
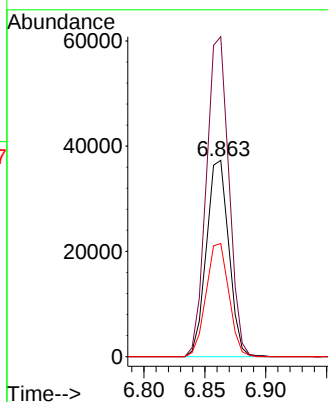
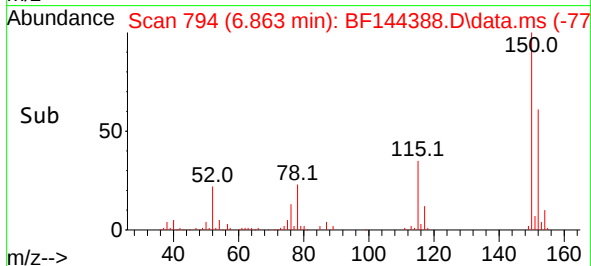
Instrument :
BNA_F
ClientSampleId :
SB-1125-16A



Tgt Ion:152 Resp: 47886
Ion Ratio Lower Upper
152 100
150 163.1 127.4 191.0
115 57.6 49.5 74.3

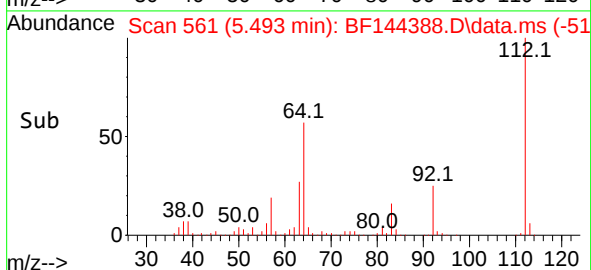
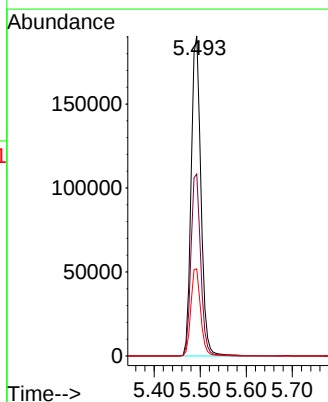
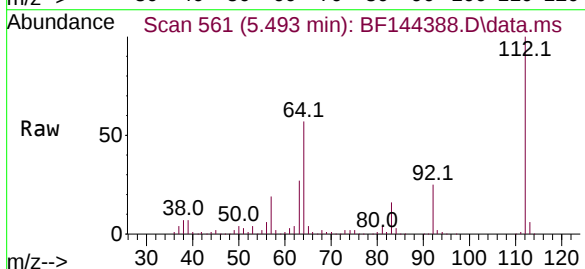
Manual Integrations
APPROVED

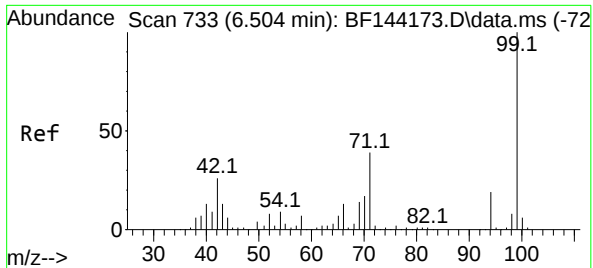
Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025



#5
2-Fluorophenol
Concen: 91.674 ng
RT: 5.493 min Scan# 561
Delta R.T. -0.000 min
Lab File: BF144388.D
Acq: 01 Dec 2025 15:45

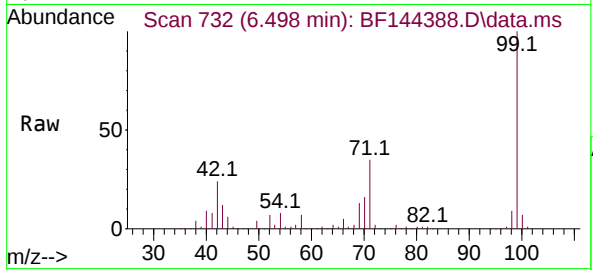
Tgt Ion:112 Resp: 280528
Ion Ratio Lower Upper
112 100
64 56.8 47.2 70.8
63 27.2 24.4 36.6





#7
Phenol-d6
Concen: 88.459 ng
RT: 6.498 min Scan# 731
Delta R.T. -0.000 min
Lab File: BF144388.D
Acq: 01 Dec 2025 15:45

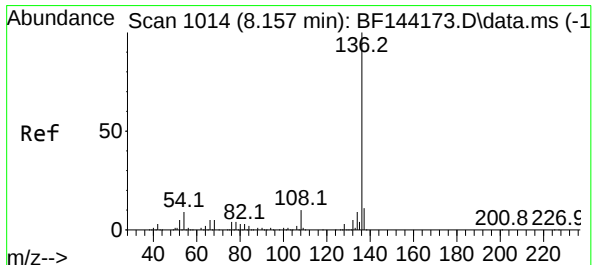
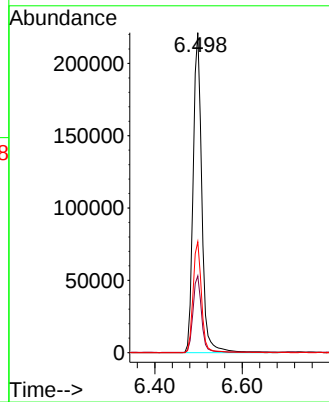
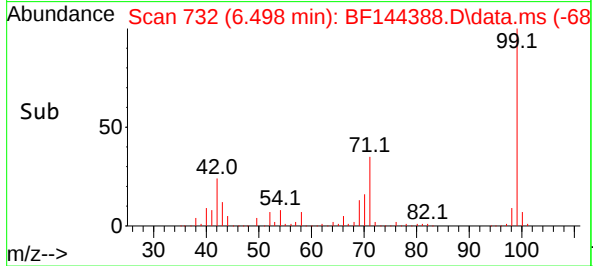
Instrument :
BNA_F
ClientSampleId :
SB-1125-16A



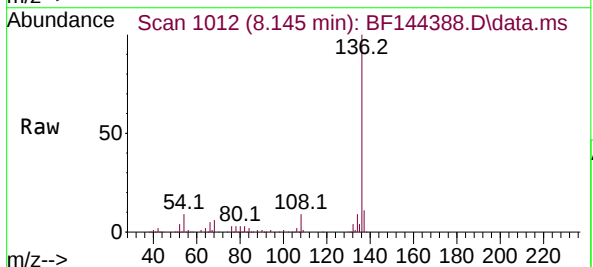
Tgt Ion: 99 Resp: 306713
Ion Ratio Lower Upper
99 100
42 24.0 20.9 31.3
71 34.6 31.4 47.2

Manual Integrations
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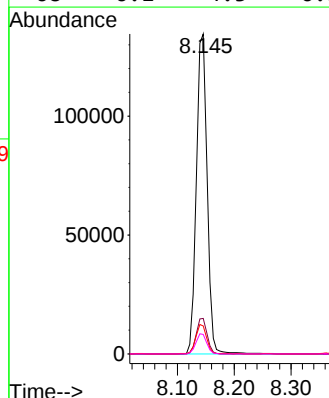
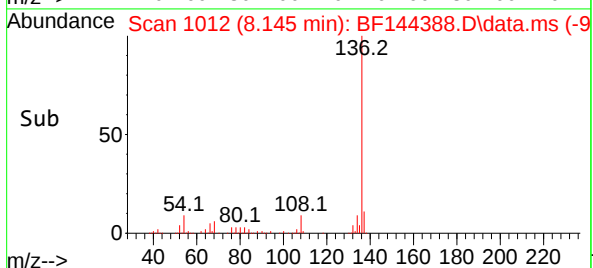
Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025

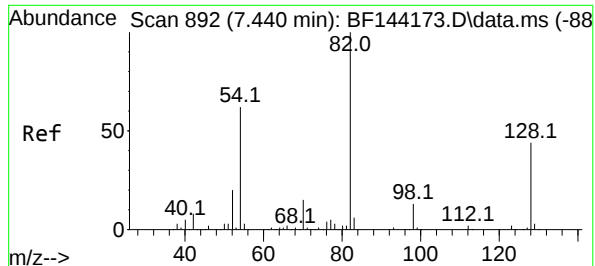


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1012
Delta R.T. -0.012 min
Lab File: BF144388.D
Acq: 01 Dec 2025 15:45



Tgt Ion:136 Resp: 176365
Ion Ratio Lower Upper
136 100
137 11.1 8.6 13.0
54 8.7 7.0 10.6
68 6.1 4.3 6.5





#23

Nitrobenzene-d5

Concen: 62.751 ng

RT: 7.422 min Scan# 889

Delta R.T. -0.012 min

Lab File: BF144388.D

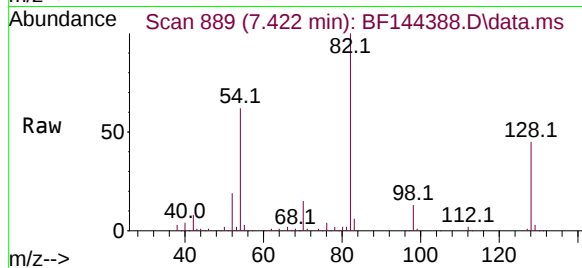
Acq: 01 Dec 2025 15:45

Instrument :

BNA_F

ClientSampleId :

SB-1125-16A

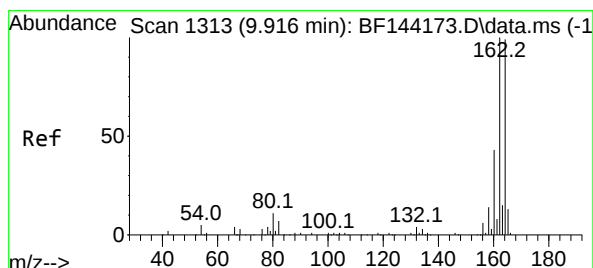
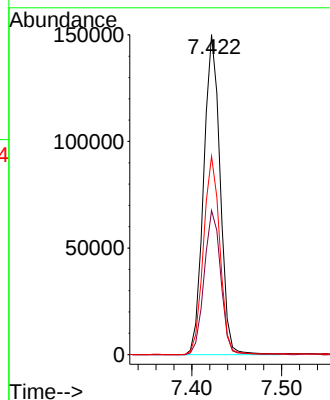
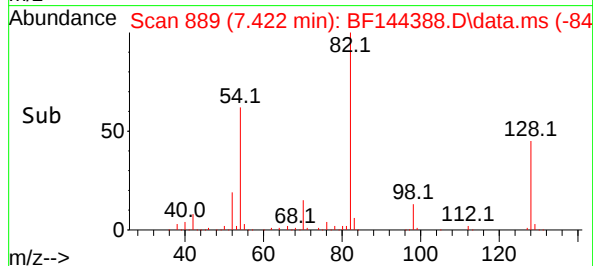


Tgt Ion:	82	Resp:	19162
Ion Ratio	Lower	Upper	
82	100		
128	45.0	34.7	52.1
54	62.0	49.5	74.3

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025



#39

Acenaphthene-d10

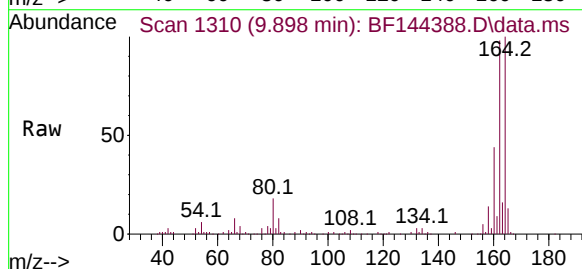
Concen: 20.000 ng

RT: 9.898 min Scan# 1310

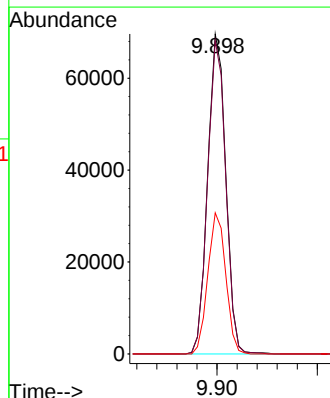
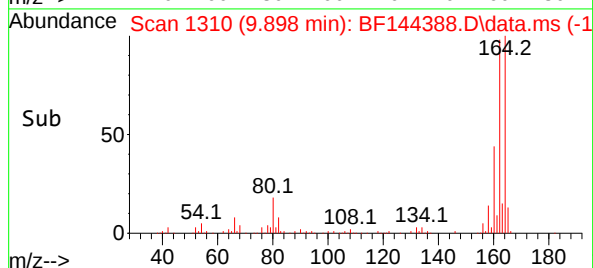
Delta R.T. -0.018 min

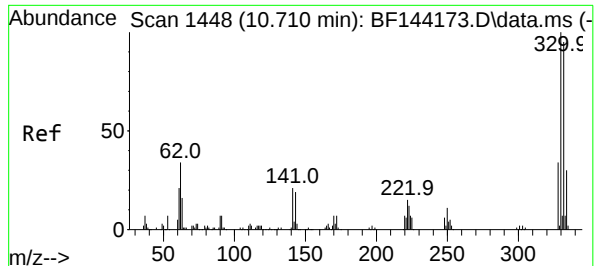
Lab File: BF144388.D

Acq: 01 Dec 2025 15:45



Tgt Ion:	164	Resp:	87150
Ion Ratio	Lower	Upper	
164	100		
162	97.8	81.1	121.7
160	44.1	34.5	51.7





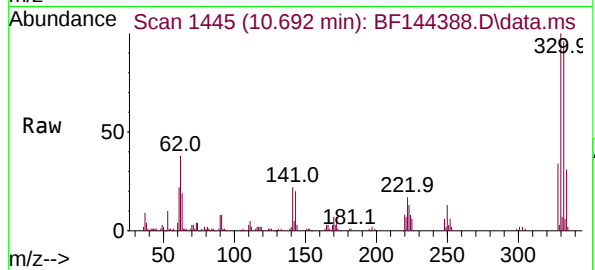
#42
2,4,6-Tribromophenol
Concen: 74.703 ng
RT: 10.692 min Scan# 1445
Delta R.T. -0.012 min
Lab File: BF144388.D
Acq: 01 Dec 2025 15:45

Instrument :

BNA_F

ClientSampleId :

SB-1125-16A

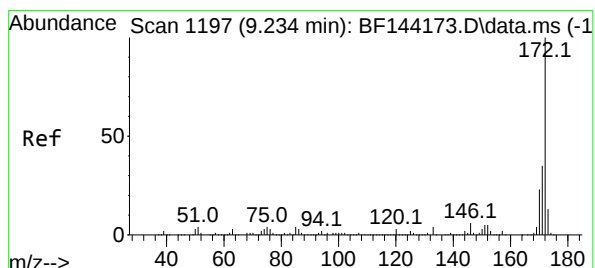
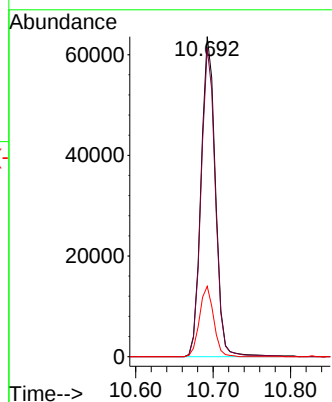
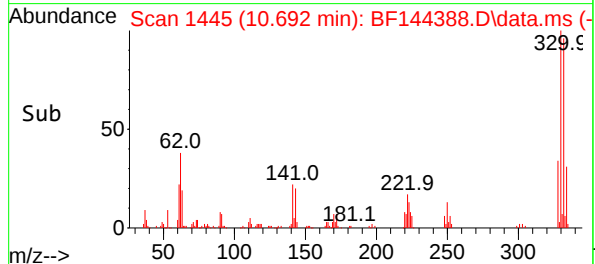


Tgt Ion: 330 Resp: 81698
Ion Ratio Lower Upper
330 100
332 95.7 76.7 115.1
141 21.6 17.8 26.8

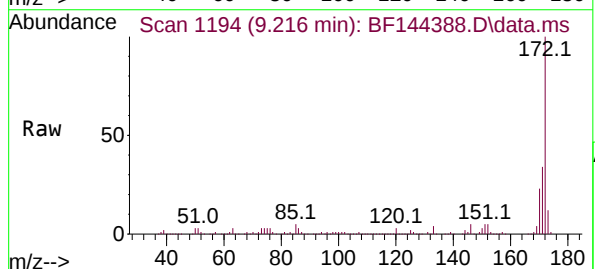
Manual Integrations

APPROVED

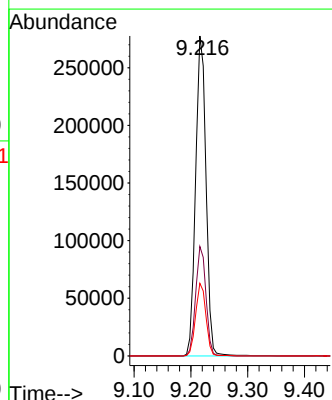
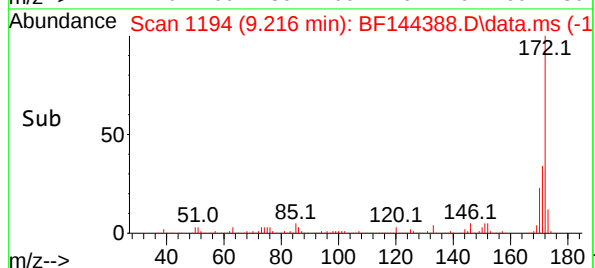
Reviewed By : Jagrut Upadhyay 12/02/2025
Supervised By : mohammad ahmed 12/03/2025

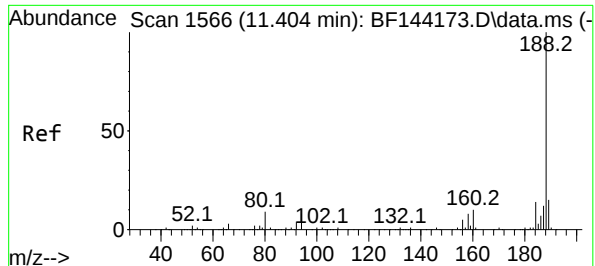


#45
2-Fluorobiphenyl
Concen: 59.616 ng
RT: 9.216 min Scan# 1194
Delta R.T. -0.012 min
Lab File: BF144388.D
Acq: 01 Dec 2025 15:45



Tgt Ion: 172 Resp: 351776
Ion Ratio Lower Upper
172 100
171 34.2 28.1 42.1
170 22.7 18.6 28.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.392 min Scan# 1566

Delta R.T. -0.012 min

Lab File: BF144388.D

Acq: 01 Dec 2025 15:45

Instrument :

BNA_F

ClientSampleId :

SB-1125-16A

Tgt Ion:188 Resp: 13712

Ion Ratio Lower Upper

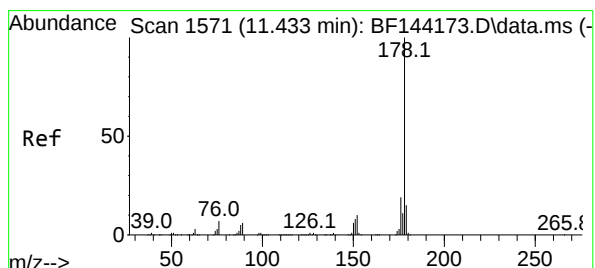
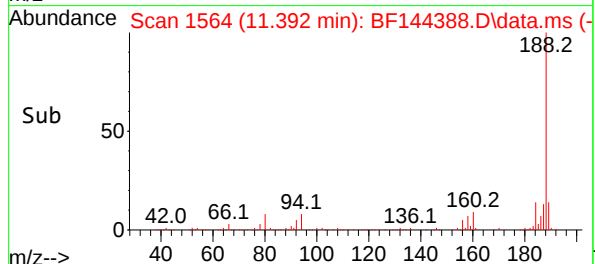
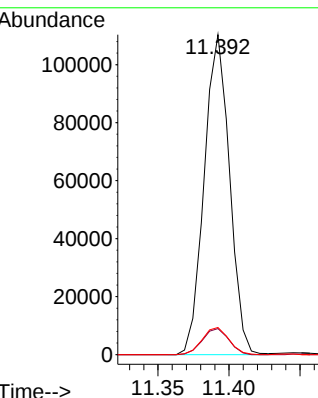
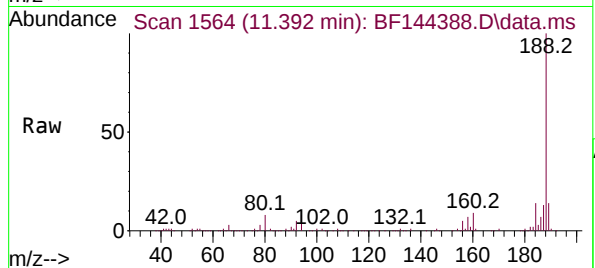
188 100

94 8.1 6.2 9.2

80 8.5 6.9 10.3

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025

#71

Phenanthrene

Concen: 5.697 ng

RT: 11.416 min Scan# 1568

Delta R.T. -0.012 min

Lab File: BF144388.D

Acq: 01 Dec 2025 15:45

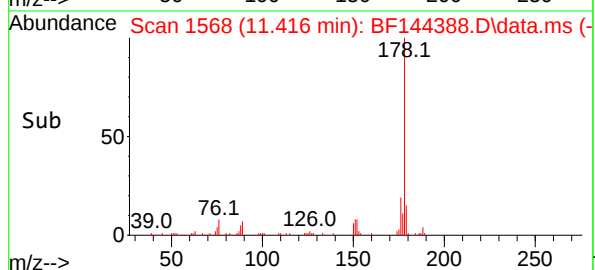
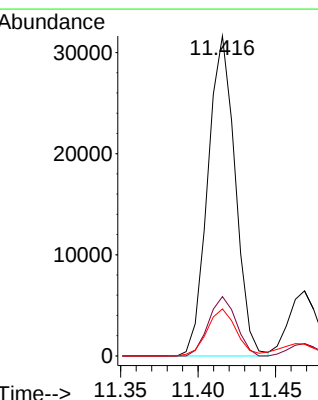
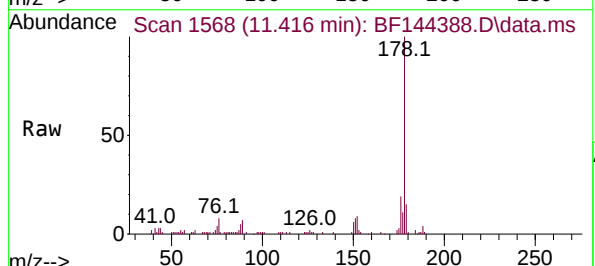
Tgt Ion:178 Resp: 38898

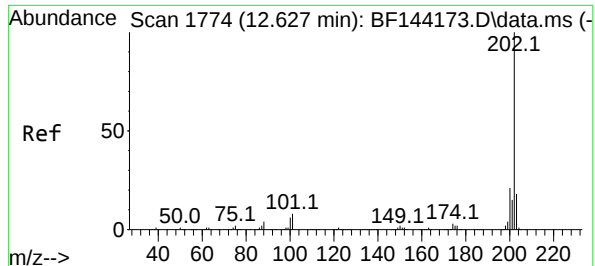
Ion Ratio Lower Upper

178 100

176 18.5 15.5 23.3

179 14.7 12.2 18.4





#75

Fluoranthene

Concen: 10.879 ng

RT: 12.610 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF144388.D

Acq: 01 Dec 2025 15:45

Instrument :

BNA_F

ClientSampleId :

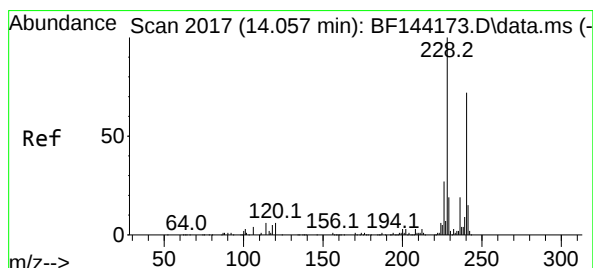
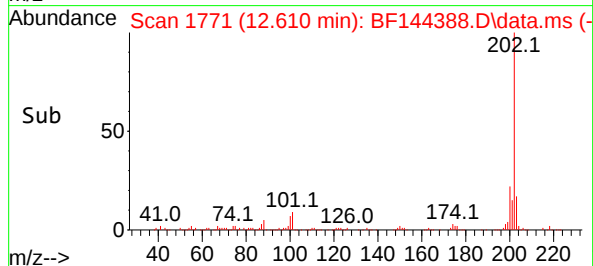
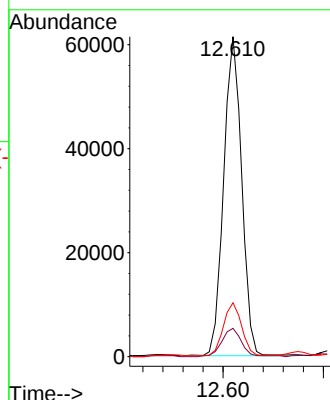
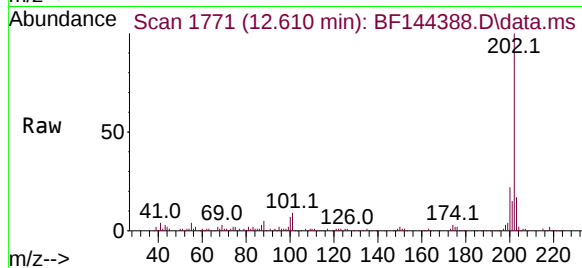
SB-1125-16A

Tgt Ion:	202	Resp:	76723
Ion Ratio	Lower	Upper	
202	100		
101	8.9	0.0	27.9
203	16.8	0.0	37.5

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
 Supervised By :mohammad ahmed 12/03/2025



#76

Chrysene-d12

Concen: 20.000 ng

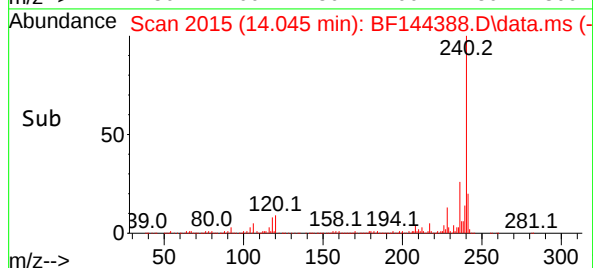
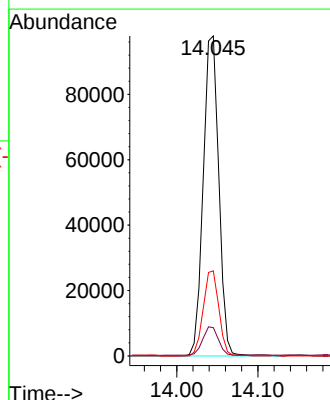
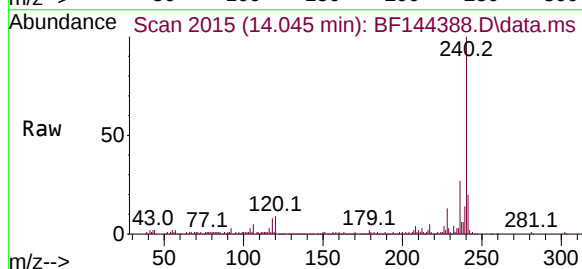
RT: 14.045 min Scan# 2015

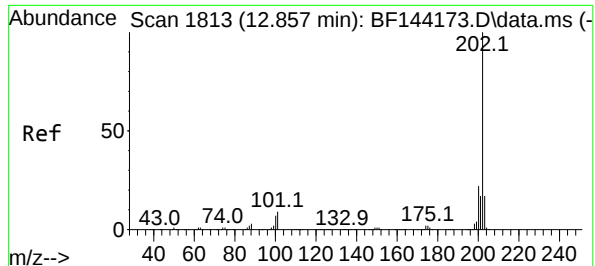
Delta R.T. -0.006 min

Lab File: BF144388.D

Acq: 01 Dec 2025 15:45

Tgt Ion:	240	Resp:	130274
Ion Ratio	Lower	Upper	
240	100		
120	8.8	6.6	10.0
236	26.6	21.4	32.2





#78

Pyrene

Concen: 6.835 ng

RT: 12.839 min Scan# 1810

Delta R.T. -0.012 min

Lab File: BF144388.D

Acq: 01 Dec 2025 15:45

Instrument :

BNA_F

ClientSampleId :

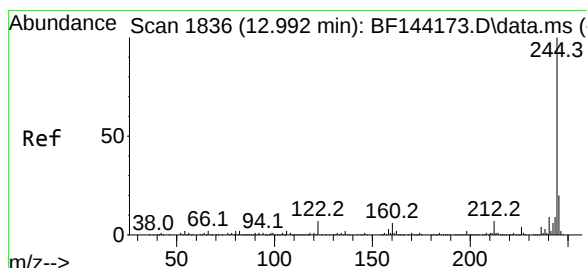
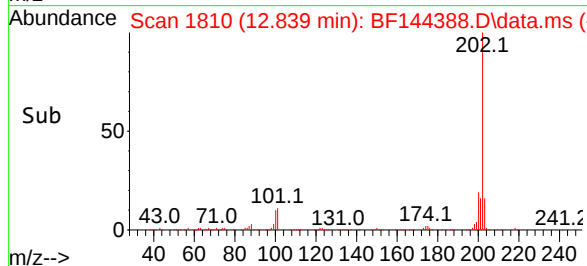
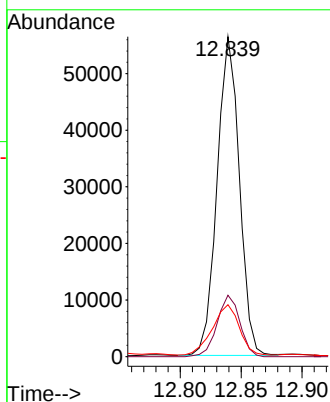
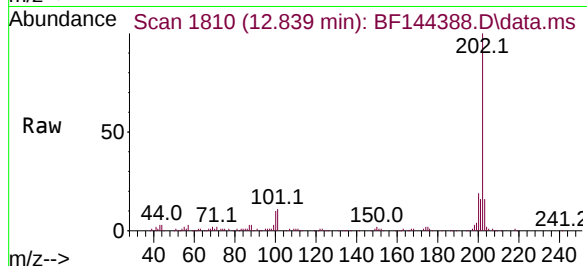
SB-1125-16A

Tgt Ion:202	Resp:	71799
Ion Ratio	Lower	Upper
202	100	
200	19.2	17.2 25.8
203	16.2	13.7 20.5

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
 Supervised By :mohammad ahmed 12/03/2025



#79

Terphenyl-d14

Concen: 41.801 ng

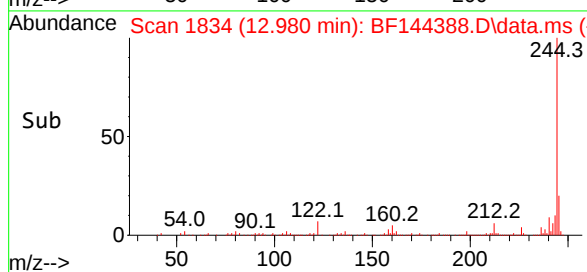
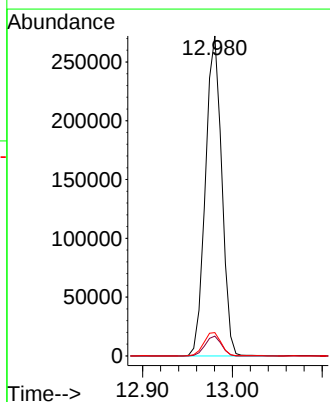
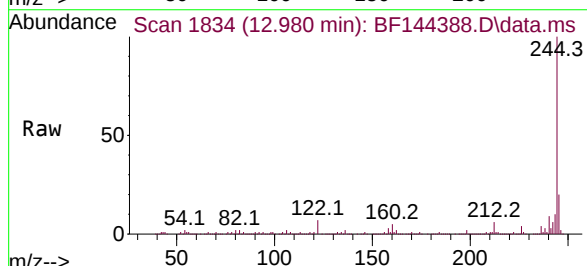
RT: 12.980 min Scan# 1834

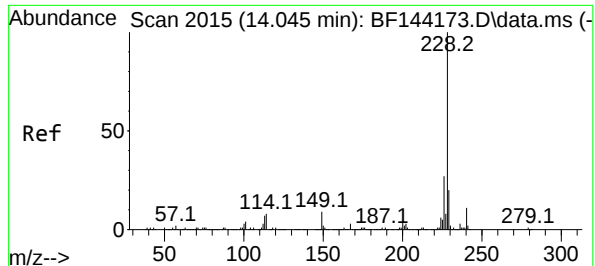
Delta R.T. -0.012 min

Lab File: BF144388.D

Acq: 01 Dec 2025 15:45

Tgt Ion:244	Resp:	342831
Ion Ratio	Lower	Upper
244	100	
212	6.2	5.3 7.9
122	7.3	5.6 8.4





#81

Benzo(a)anthracene

Concen: 5.059 ng

RT: 14.033 min Scan# 2019

Delta R.T. -0.012 min

Lab File: BF144388.D

Acq: 01 Dec 2025 15:45

Instrument :

BNA_F

ClientSampleId :

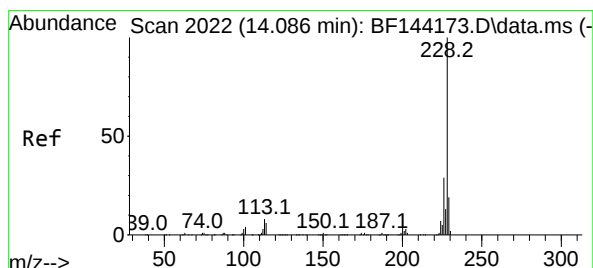
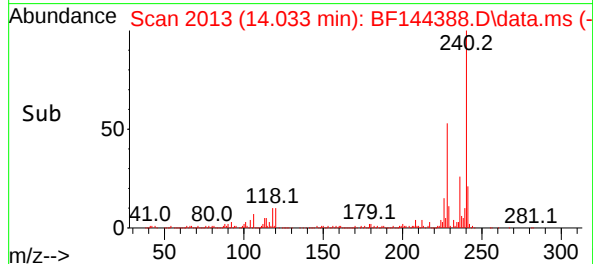
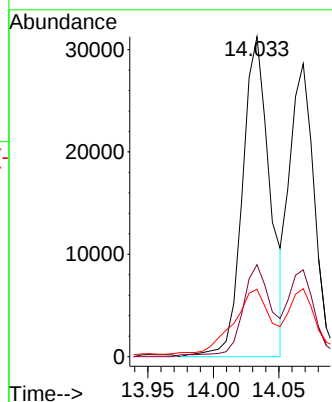
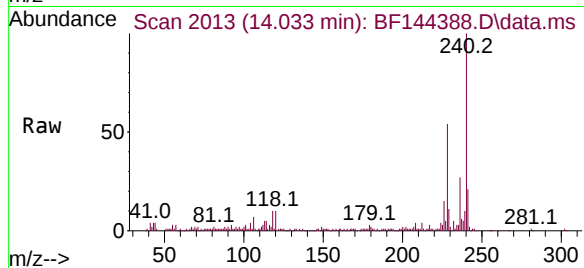
SB-1125-16A

Tgt Ion:228	Resp:	45679
Ion Ratio	Lower	Upper
228	100	
226	28.7	21.8 32.8
229	21.0	15.8 23.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025



#83

Chrysene

Concen: 4.485 ng m

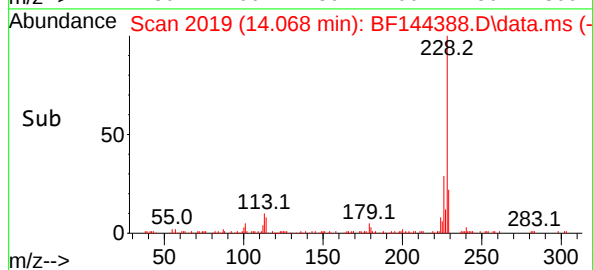
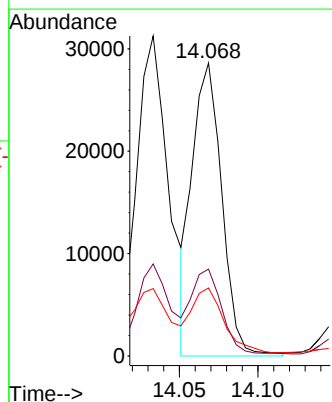
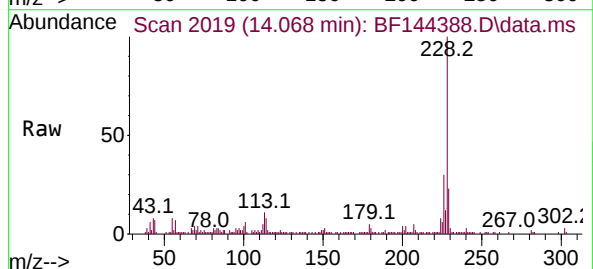
RT: 14.068 min Scan# 2019

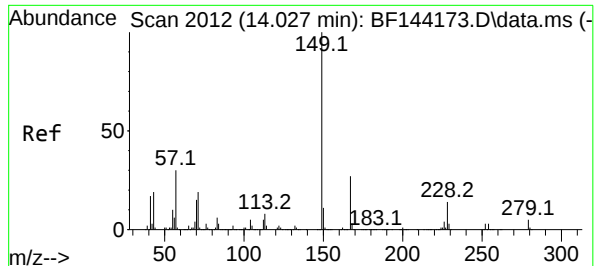
Delta R.T. -0.012 min

Lab File: BF144388.D

Acq: 01 Dec 2025 15:45

Tgt Ion:228	Resp:	37385
Ion Ratio	Lower	Upper
228	100	
226	29.6	22.9 34.3
229	23.2	15.0 22.6





#84

Bis(2-ethylhexyl)phthalate

Concen: 2.953 ng

RT: 14.010 min Scan# 2012

Delta R.T. -0.018 min

Lab File: BF144388.D

Acq: 01 Dec 2025 15:45

Instrument :

BNA_F

ClientSampleId :

SB-1125-16A

Tgt Ion:149 Resp: 14718

Ion Ratio Lower Upper

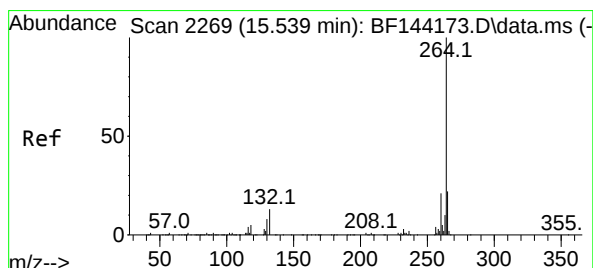
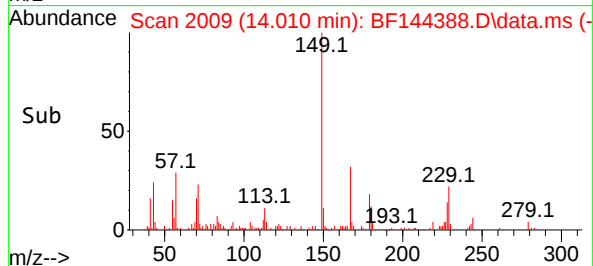
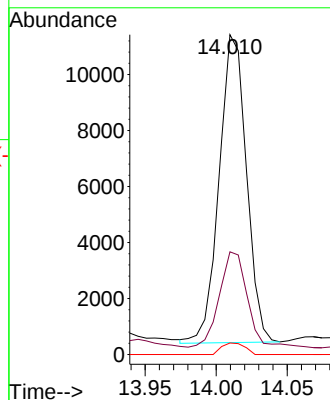
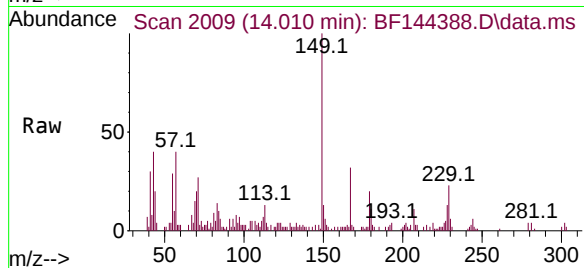
149 100

167 32.1 21.8 32.8

279 3.6 3.7 5.5

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025

#86

Perylene-d12

Concen: 20.000 ng

RT: 15.527 min Scan# 2267

Delta R.T. -0.012 min

Lab File: BF144388.D

Acq: 01 Dec 2025 15:45

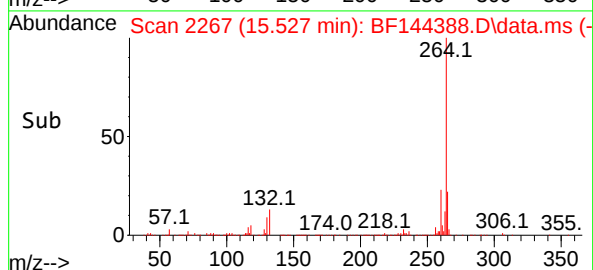
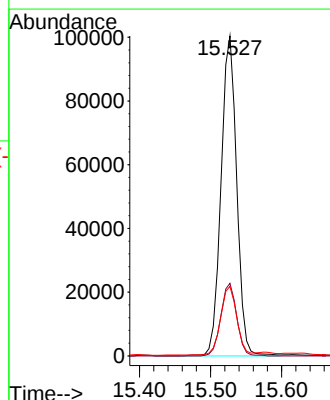
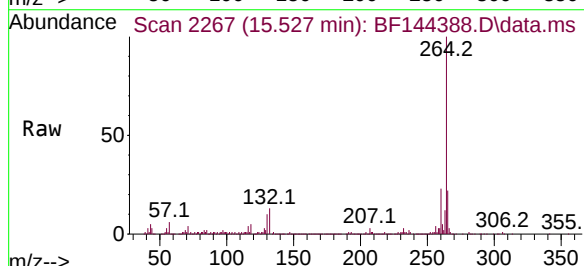
Tgt Ion:264 Resp: 154506

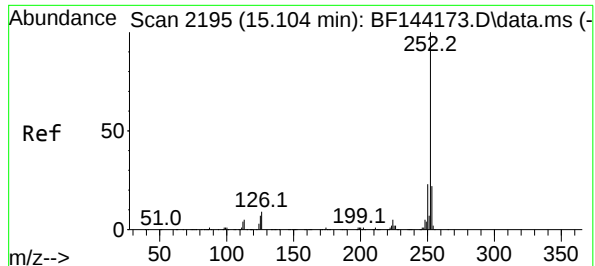
Ion Ratio Lower Upper

264 100

260 22.7 17.1 25.7

265 21.7 17.4 26.0





#88

Benzo(b)fluoranthene

Concen: 6.536 ng m

RT: 15.092 min Scan# 2195

Delta R.T. -0.006 min

Lab File: BF144388.D

Acq: 01 Dec 2025 15:45

Instrument :

BNA_F

ClientSampleId :

SB-1125-16A

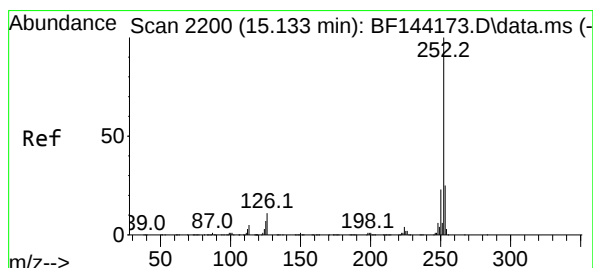
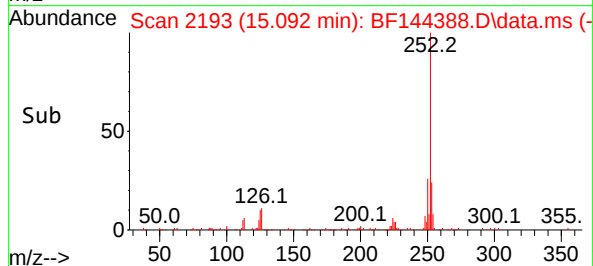
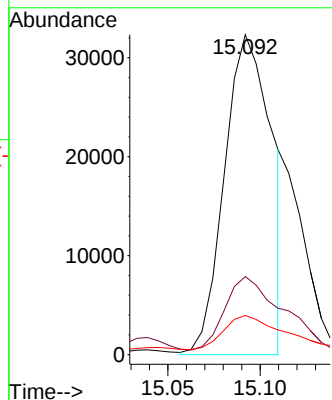
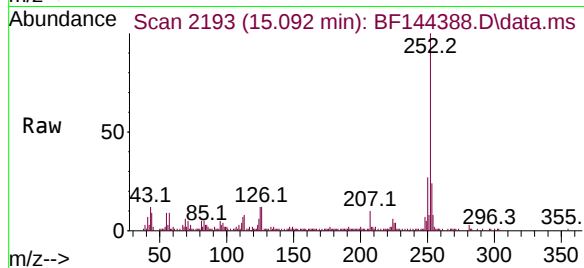
Tgt Ion:252 Resp: 57412

Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.4	26.2
125	12.2	5.3	7.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025



#89

Benzo(k)fluoranthene

Concen: 2.005 ng m

RT: 15.110 min Scan# 2196

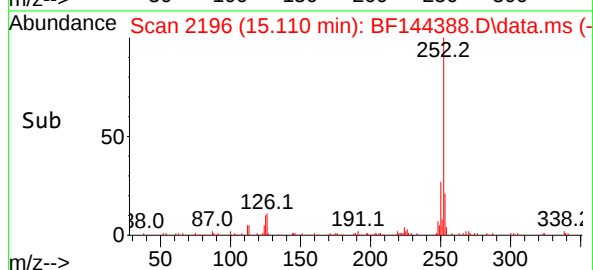
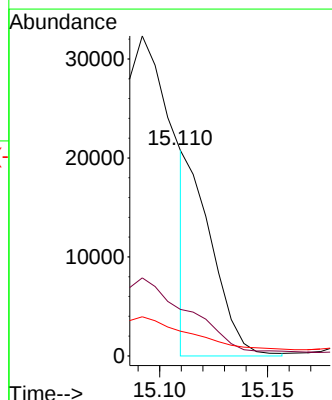
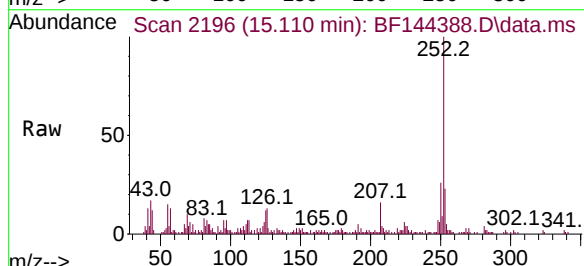
Delta R.T. -0.018 min

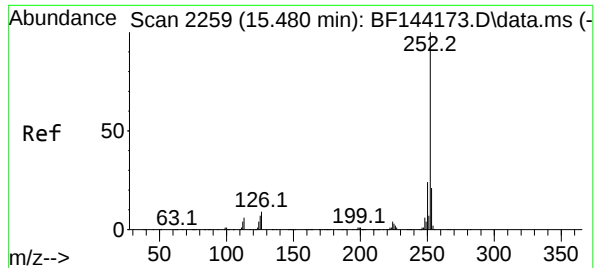
Lab File: BF144388.D

Acq: 01 Dec 2025 15:45

Tgt Ion:252 Resp: 16485

Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.0	27.0
125	12.0	5.4	8.2





#90

Benzo(a)pyrene

Concen: 4.951 ng

RT: 15.463 min Scan# 2256

Delta R.T. -0.012 min

Lab File: BF144388.D

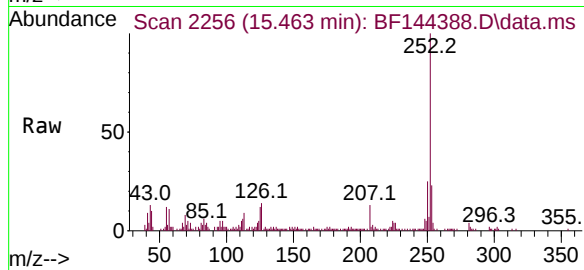
Acq: 01 Dec 2025 15:45

Instrument :

BNA_F

ClientSampleId :

SB-1125-16A



Tgt Ion:252 Resp: 40123

Ion Ratio Lower Upper

252 100

253 23.1 16.7 25.1

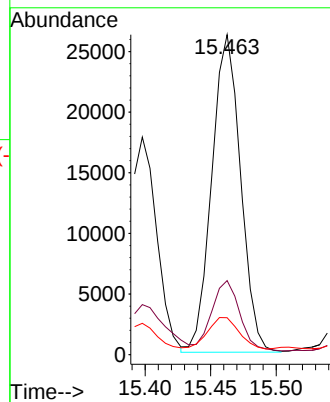
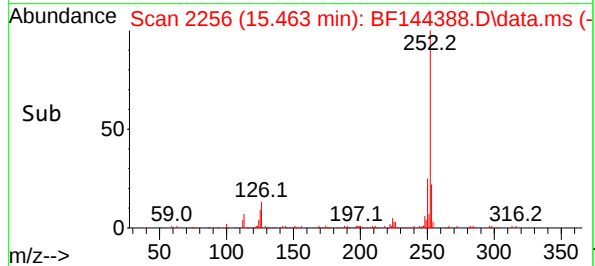
125 11.5 5.7 8.5

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025

Supervised By :mohammad ahmed 12/03/2025



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120125\
 Data File : BF144388.D
 Acq On : 01 Dec 2025 15:45
 Operator : RC/JU
 Sample : Q3719-11
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-1125-16A

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF144388.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.075	484	490	499	rBV	217032	310639	33.28%	3.143%
2	5.493	555	561	570	rBV	634753	927994	99.43%	9.389%
3	5.575	570	575	593	rVB	245758	343121	36.76%	3.472%
4	5.863	620	624	632	rBV2	10919	20672	2.21%	0.209%
5	6.416	714	718	724	rBV	10798	14270	1.53%	0.144%
6	6.498	726	732	751	rVV	666093	912900	97.82%	9.237%
7	6.857	788	793	799	rBV	215125	279029	29.90%	2.823%
8	7.269	855	863	870	rVB2	7114	12170	1.30%	0.123%
9	7.422	883	889	900	rBV	467742	602101	64.51%	6.092%
10	8.145	1006	1012	1021	rVB	263358	346866	37.17%	3.510%
11	8.363	1044	1049	1057	rVB3	6266	9889	1.06%	0.100%
12	9.216	1189	1194	1201	rBV	744980	933292	100.00%	9.443%
13	9.898	1303	1310	1315	rBV	281594	364472	39.05%	3.688%
14	10.022	1324	1331	1336	rBV	15540	21565	2.31%	0.218%
15	10.322	1372	1382	1387	rBV	4889	12700	1.36%	0.128%
16	10.557	1418	1422	1427	rBV2	10470	15044	1.61%	0.152%
17	10.616	1427	1432	1439	rVB	97940	130428	13.98%	1.320%
18	10.692	1440	1445	1452	rBV	415581	528295	56.61%	5.345%
19	10.757	1452	1456	1461	rBV	15036	19099	2.05%	0.193%
20	10.922	1480	1484	1489	rVB	14330	18522	1.98%	0.187%
21	11.251	1535	1540	1544	rBV8	7826	13899	1.49%	0.141%
22	11.392	1559	1564	1573	rBV2	255513	407664	43.68%	4.125%
23	11.469	1573	1577	1580	rVV	10737	11778	1.26%	0.119%
24	11.622	1598	1603	1609	rBV4	8883	16510	1.77%	0.167%
25	11.798	1630	1633	1636	rVB4	8871	10561	1.13%	0.107%
26	11.845	1636	1641	1643	rBV5	10162	15683	1.68%	0.159%
27	11.916	1643	1653	1661	rVV3	216698	380094	40.73%	3.846%
28	12.010	1665	1669	1676	rVB2	22362	43949	4.71%	0.445%
29	12.080	1676	1681	1688	rBV8	12557	31774	3.40%	0.321%
30	12.227	1702	1706	1716	rVB5	13083	27990	3.00%	0.283%
31	12.316	1718	1721	1726	rBV6	6004	12147	1.30%	0.123%
32	12.533	1755	1758	1762	rBV2	9895	14349	1.54%	0.145%
33	12.610	1762	1771	1780	rVV	151028	258153	27.66%	2.612%
34	12.698	1782	1786	1793	rVV2	60008	85347	9.14%	0.864%
35	12.839	1804	1810	1816	rBV	115400	169374	18.15%	1.714%
36	12.980	1828	1834	1841	rVB	656885	856473	91.77%	8.666%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120125\
Data File : BF144388.D
Acq On : 01 Dec 2025 15:45
Operator : RC/JU
Sample : Q3719-11
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-1125-16A

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	13.169	1863	1866	1869	rVB2	16912	19773	2.12%	0.200%
38	13.274	1880	1884	1890	rVB3	15087	24215	2.59%	0.245%
39	13.874	1982	1986	1992	rVB2	103360	161643	17.32%	1.635%
40	14.039	2006	2014	2026	rBV2	304672	592481	63.48%	5.995%
41	14.504	2089	2093	2099	rBV2	54152	93742	10.04%	0.948%
42	15.092	2189	2193	2200	rBV	74586	159909	17.13%	1.618%
43	15.398	2242	2245	2251	rVB	45862	76520	8.20%	0.774%
44	15.463	2252	2256	2261	rVB	59469	87830	9.41%	0.889%
45	15.527	2261	2267	2278	rBV	252108	420123	45.02%	4.251%
46	15.968	2338	2342	2348	rVB	40517	68478	7.34%	0.693%

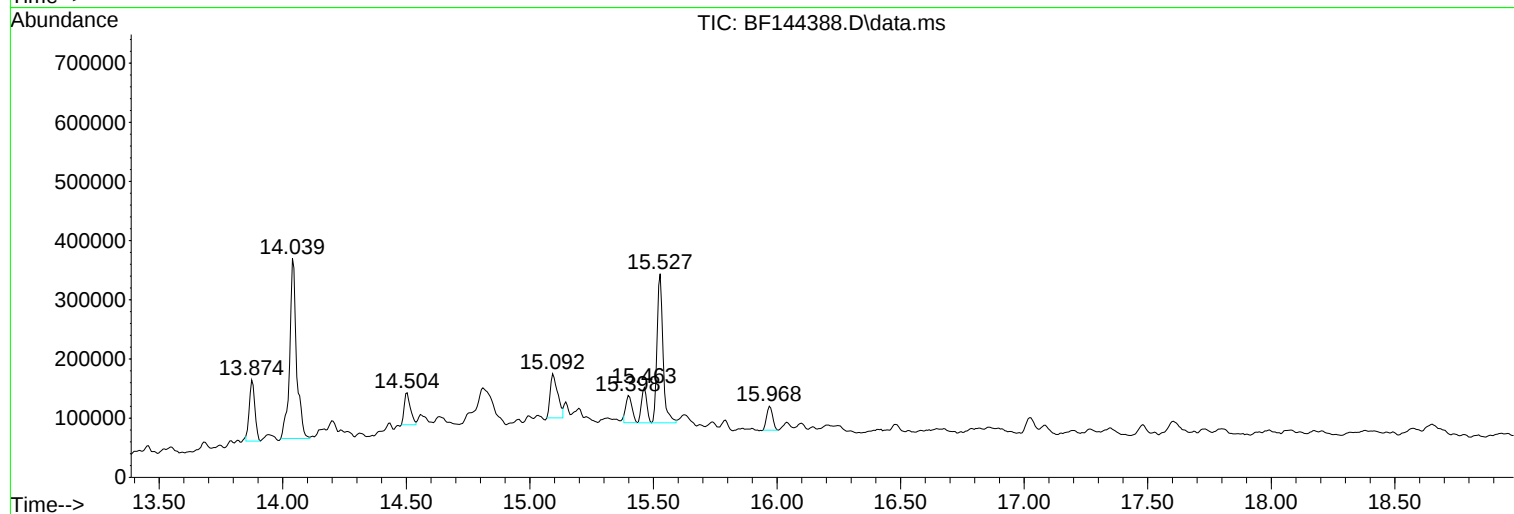
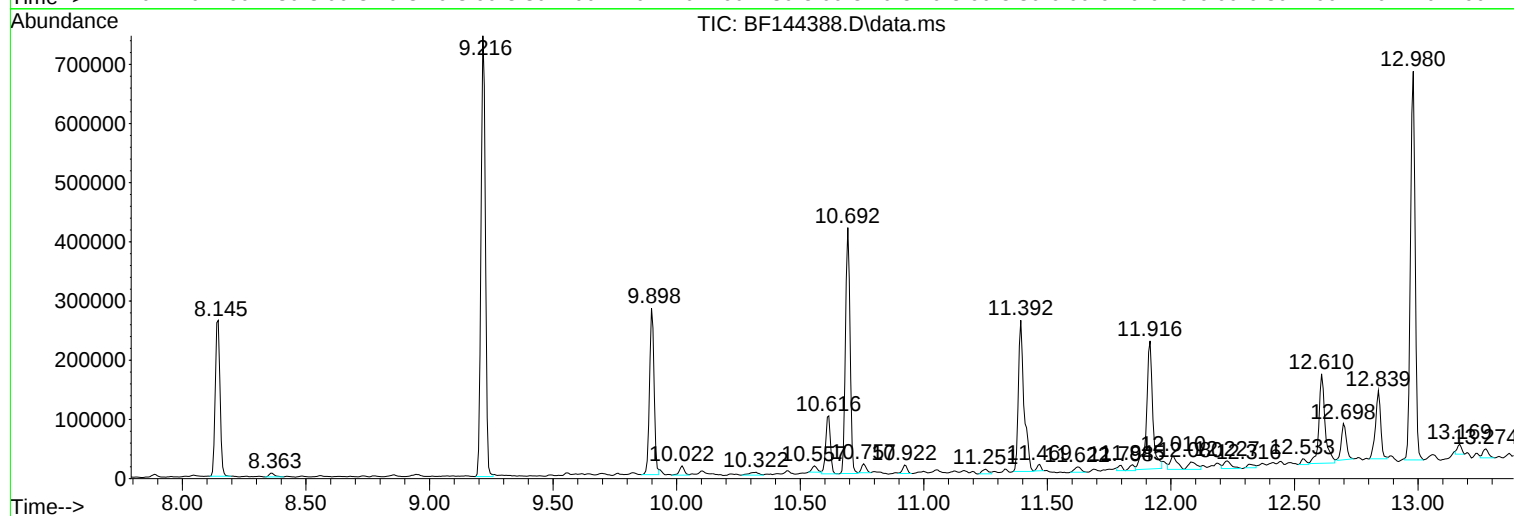
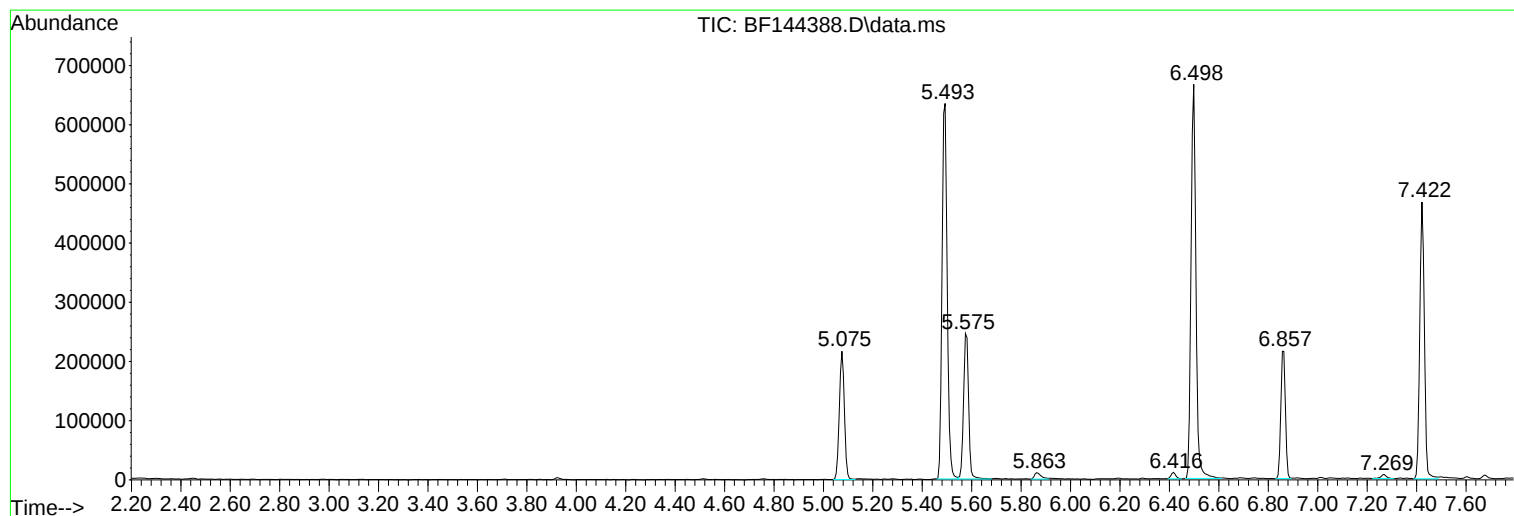
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Data File : BF144388.D
Acq On : 01 Dec 2025 15:45
Operator : RC/JU
Sample : Q3719-11
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-1125-16A

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120125\
Data File : BF144388.D
Acq On : 01 Dec 2025 15:45
Operator : RC/JU
Sample : Q3719-11
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-1125-16A

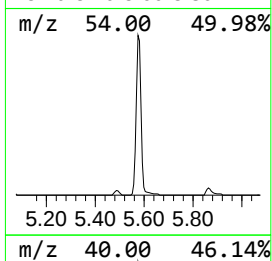
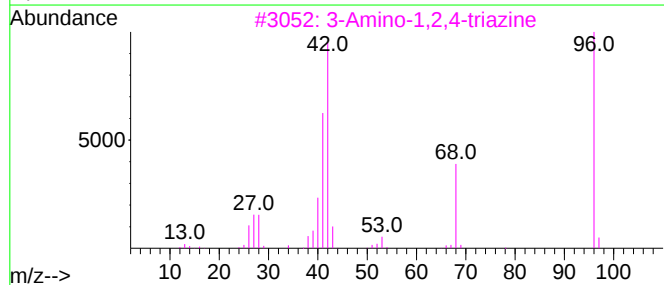
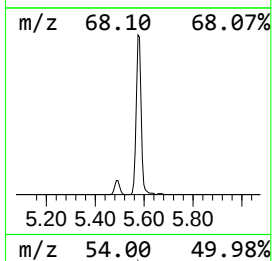
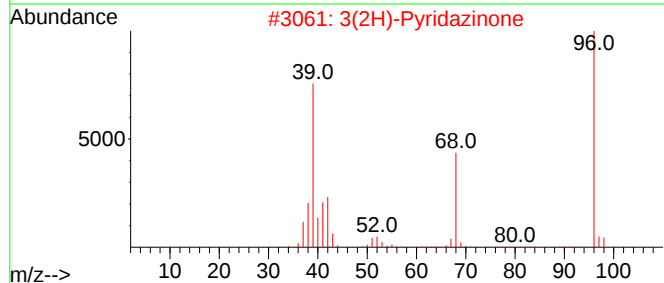
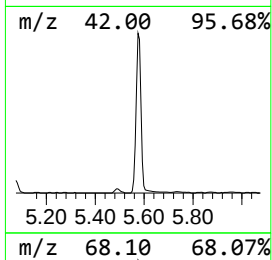
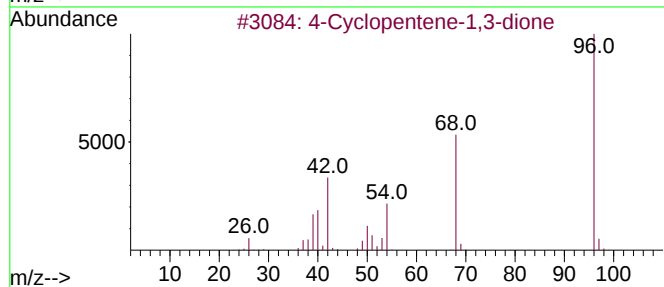
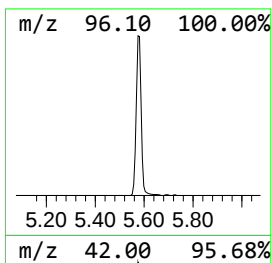
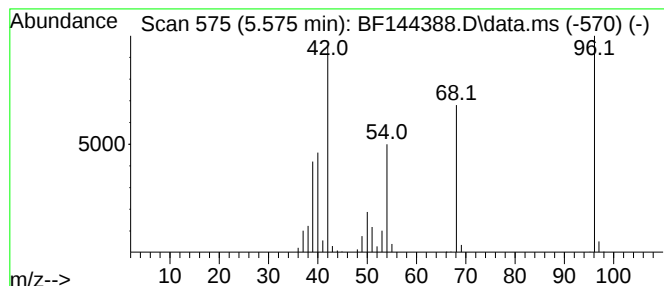
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 4-Cyclopentene-1,3-dione Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.575	24.59 ng	343121	1,4-Dichlorobenzene-d4	6.863

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			4-Cyclopentene-1,3-dione	96	C5H4O2	000930-60-9	93
2			3(2H)-Pyridazinone	96	C4H4N2O	000504-30-3	49
3			3-Amino-1,2,4-triazine	96	C3H4N4	001120-99-6	47
4			Pyrimidine, 4-hydroxy-	96	C4H4N2O	051953-18-5	38
5			5-Methyl-1H-pyrrol-2-amine	96	C5H8N2	1000436-81-3	38



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120125\
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Operator : RC/JU
Sample : Q3719-11
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-1125-16A

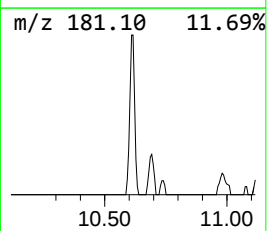
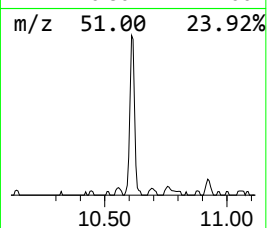
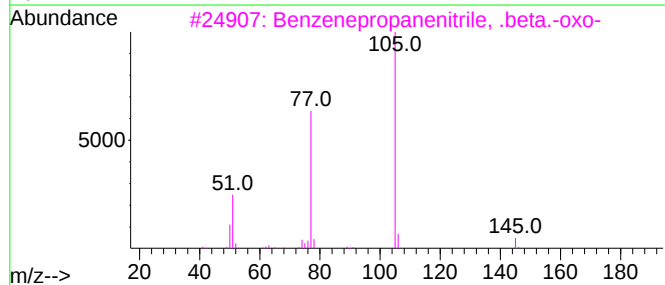
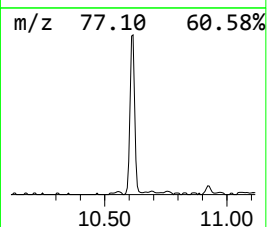
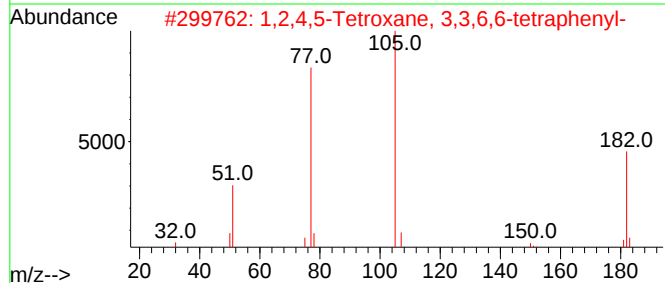
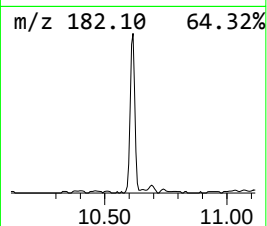
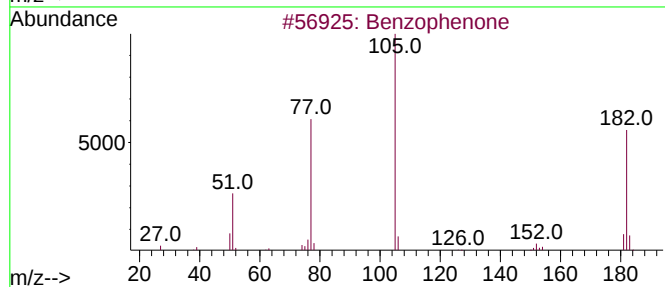
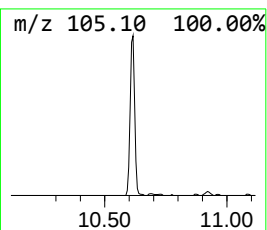
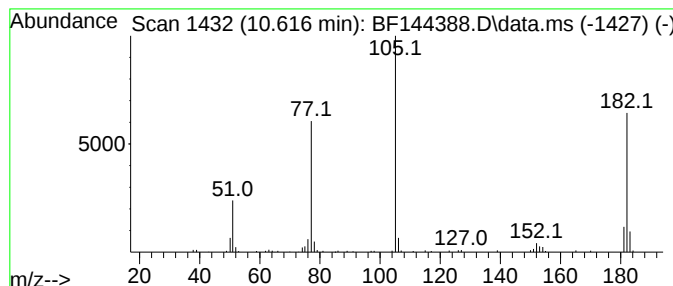
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Benzophenone Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.616	7.16 ng	130428	Acenaphthene-d10	9.898

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	96
2			1,2,4,5-Tetroxane, 3,3,6,6-tetra...	396	C26H20O4	016204-36-7	78
3			Benzenepropanenitrile, .beta.-oxo-	145	C9H7NO	000614-16-4	43
4			1-Butanone, 1-phenyl-	148	C10H12O	000495-40-9	43
5			1,2-Propanedione, 1-phenyl-	148	C9H8O2	000579-07-7	43



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120125\
Data File : BF144388.D
Acq On : 01 Dec 2025 15:45
Operator : RC/JU
Sample : Q3719-11
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-1125-16A

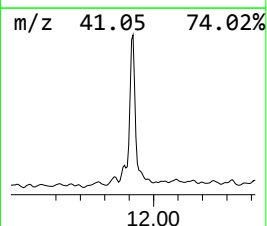
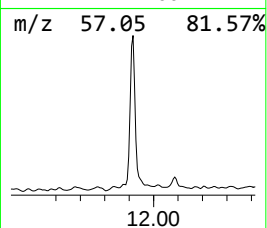
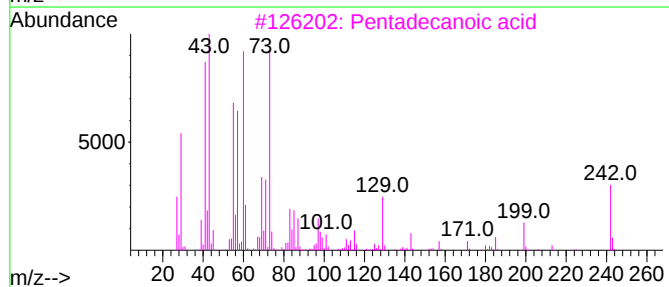
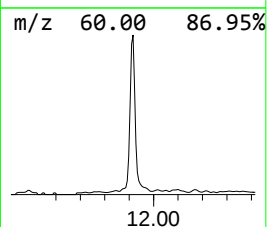
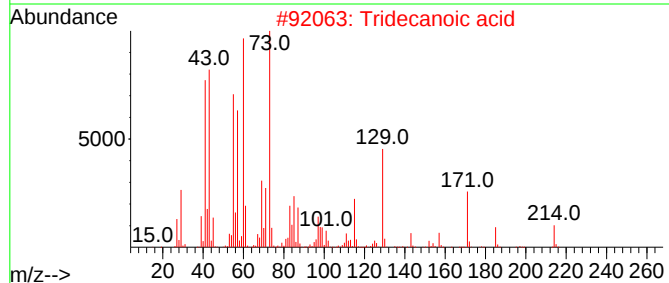
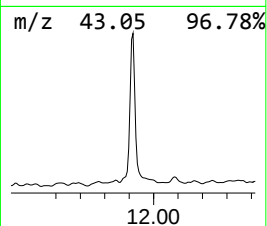
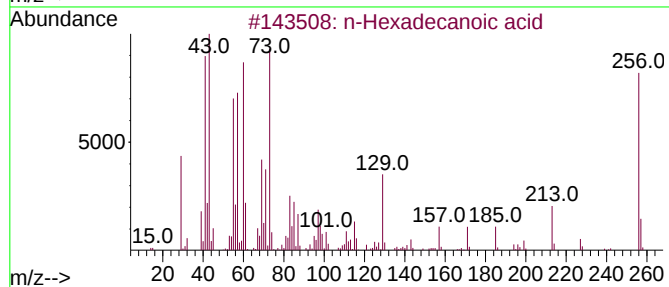
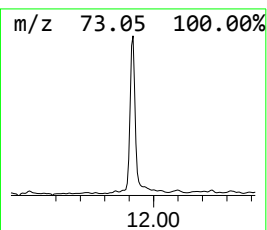
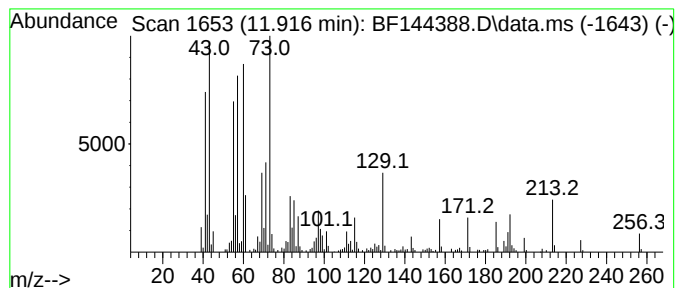
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 n-Hexadecanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.916	18.65 ng	380094	Phenanthrene-d10	11.392

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
2		Tridecanoic acid	214	C13H26O2	000638-53-9	86
3		Pentadecanoic acid	242	C15H30O2	001002-84-2	80
4		Octanoic acid	144	C8H16O2	000124-07-2	45
5		Nonanoic acid	158	C9H18O2	000112-05-0	43



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120125\
Data File : BF144388.D
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Operator : RC/JU
Sample : Q3719-11
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SB-1125-16A

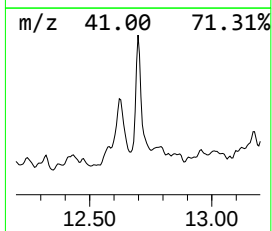
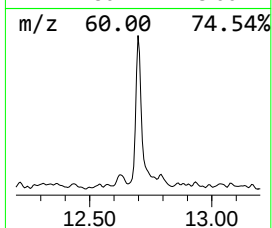
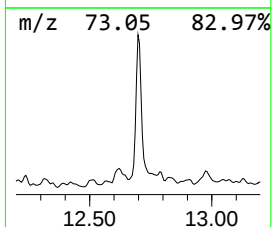
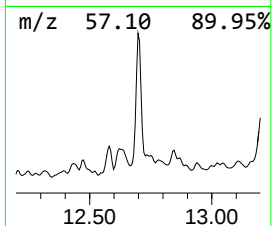
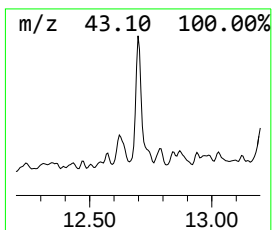
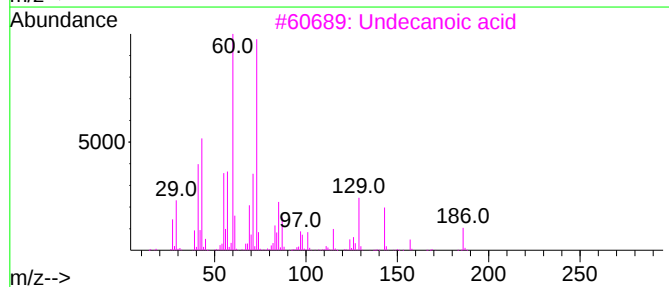
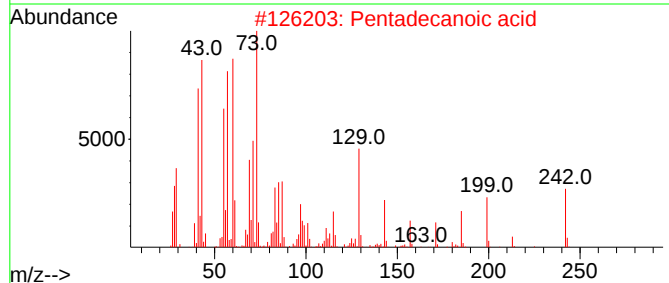
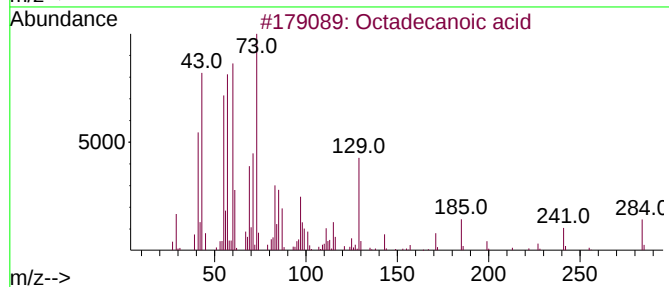
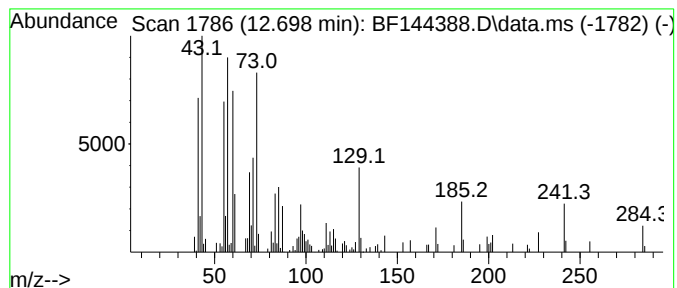
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 Octadecanoic acid Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.698	4.19 ng	85347	Phenanthrene-d10	11.392

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octadecanoic acid	284	C18H36O2	000057-11-4	95
2			Pentadecanoic acid	242	C15H30O2	001002-84-2	64
3			Undecanoic acid	186	C11H22O2	000112-37-8	62
4			n-Decanoic acid	172	C10H20O2	000334-48-5	62
5			Oxalic acid, isobutyl tetradecyl...	342	C20H38O4	1000309-37-9	14



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120125\
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Operator : RC/JU
Sample : Q3719-11
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
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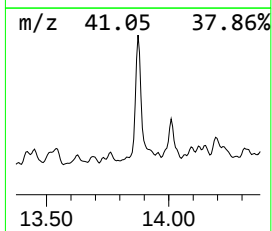
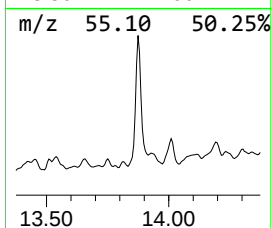
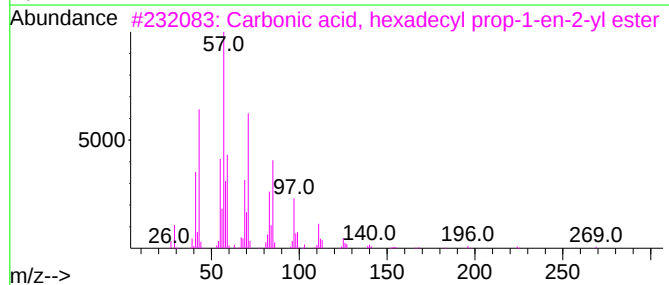
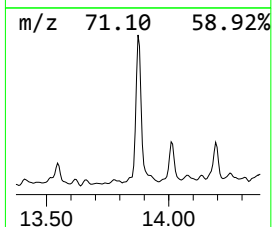
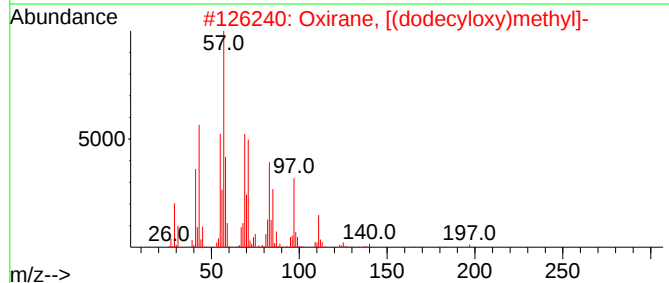
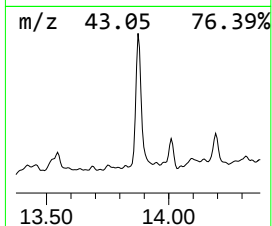
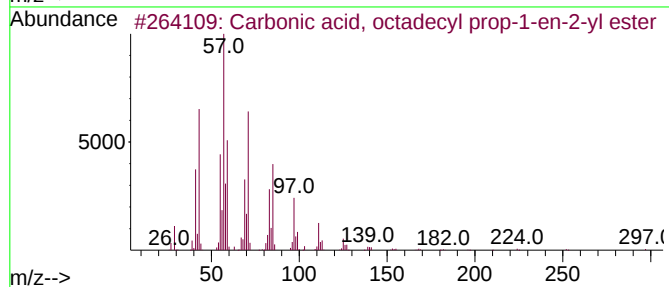
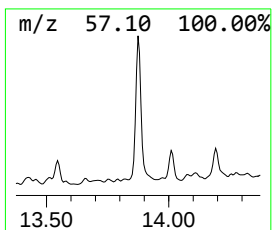
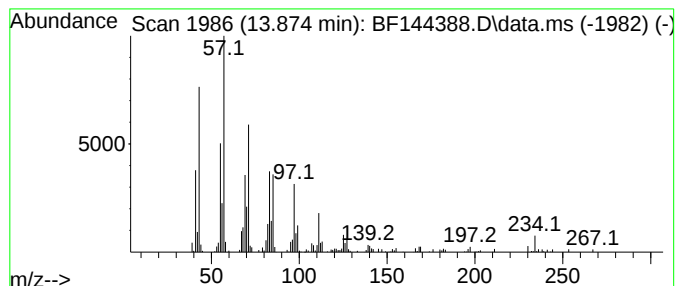
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 Carbonic acid, octadecyl pr... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.874	5.46 ng	161643	Chrysene-d12	14.045

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Carbonic acid, octadecyl prop-1-...	354	C22H42O3	1000383-11-5	91
2			Oxirane, [(dodecyloxy)methyl]-	242	C15H30O2	002461-18-9	91
3			Carbonic acid, hexadecyl prop-1-...	326	C20H38O3	1000382-90-3	91
4			1-Dodecanol, 2-octyl-	298	C20H42O	005333-42-6	91
5			1-Heptadecene	238	C17H34	006765-39-5	87



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120125\
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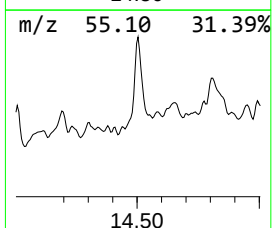
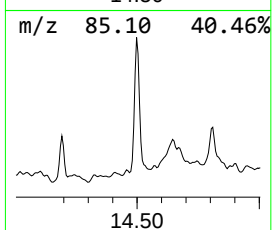
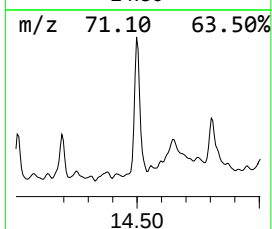
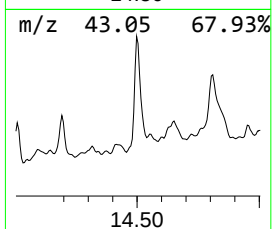
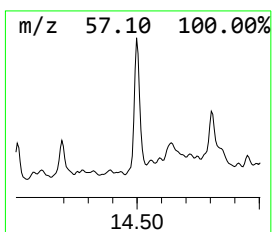
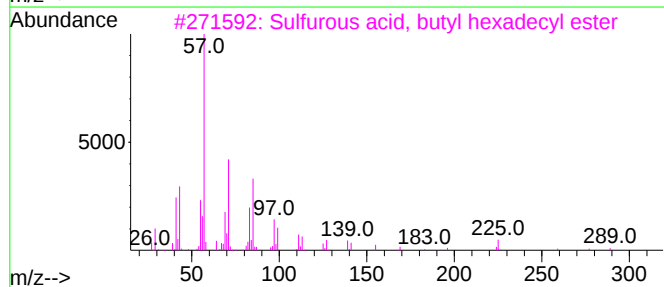
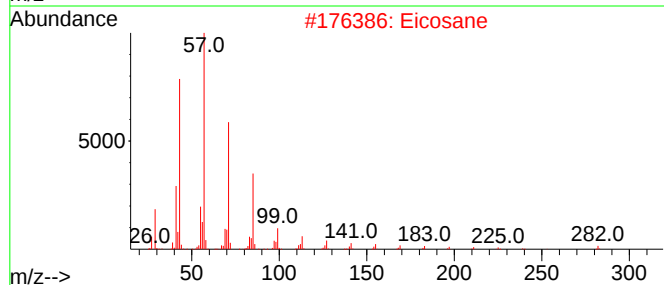
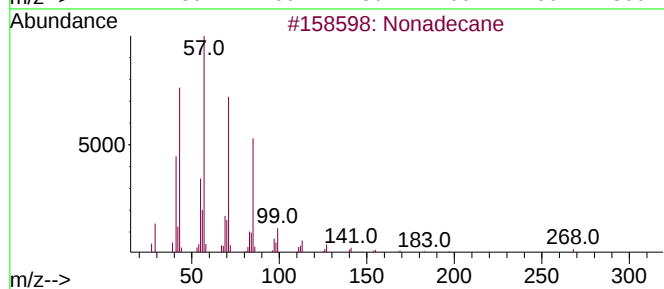
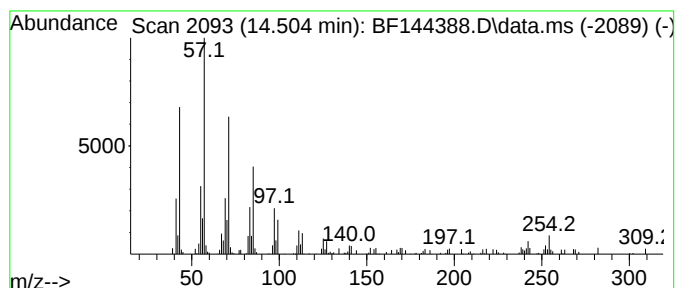
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 Nonadecane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.504	3.16 ng	93742	Chrysene-d12	14.045

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Nonadecane	268	C19H40	000629-92-5	96
2			Eicosane	282	C20H42	000112-95-8	92
3			Sulfurous acid, butyl hexadecyl ...	362	C20H42O3S	1000309-18-3	91
4			Heptacosane, 1-chloro-	414	C27H55Cl	062016-79-9	91
5			Sulfurous acid, butyl octadecyl ...	390	C22H46O3S	1000309-18-5	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120125\
Data File : BF144388.D
Acq On : 01 Dec 2025 15:45
Operator : RC/JU
Sample : Q3719-11
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-1125-16A

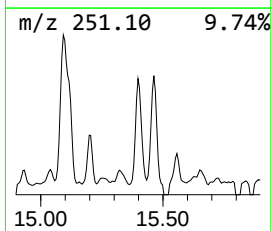
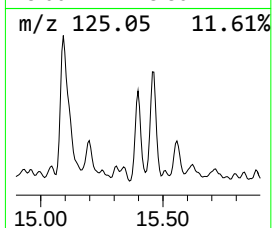
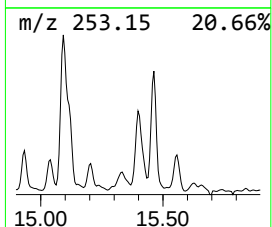
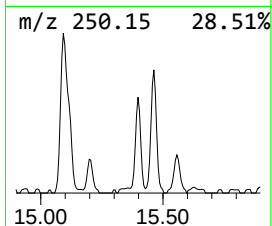
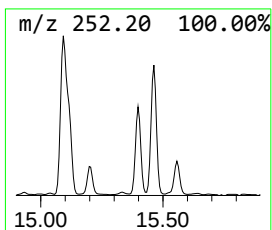
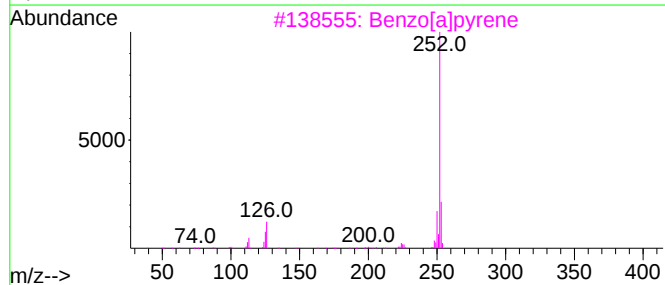
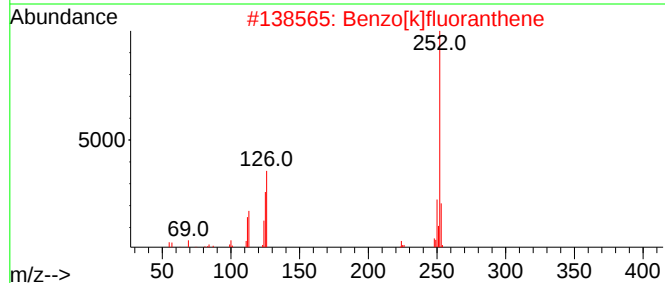
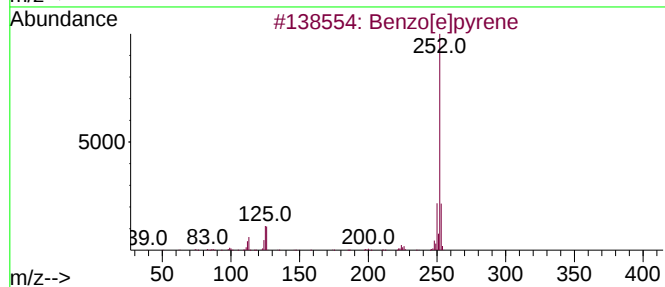
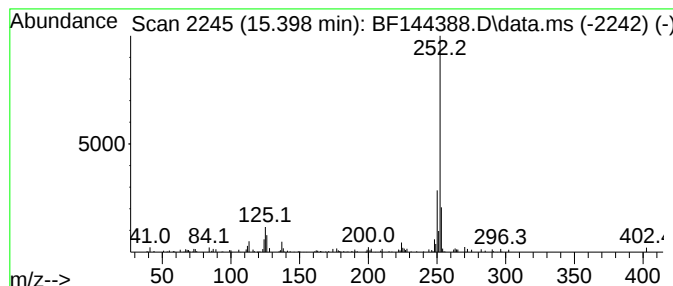
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 Benzo[e]pyrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.398	3.64 ng	76520	Perylene-d12	15.527

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[e]pyrene	252	C20H12	000192-97-2	96
2			Benzo[k]fluoranthene	252	C20H12	000207-08-9	94
3			Benzo[a]pyrene	252	C20H12	000050-32-8	91
4			Benzo[b]fluoranthene	252	C20H12	000205-99-2	91
5			Perylene	252	C20H12	000198-55-0	90



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120125\
Data File : BF144388.D
Acq On : 01 Dec 2025 15:45
Operator : RC/JU
Sample : Q3719-11
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-1125-16A

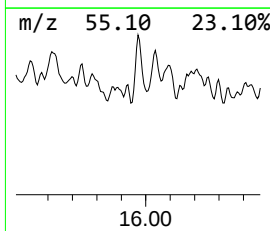
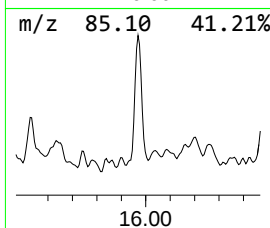
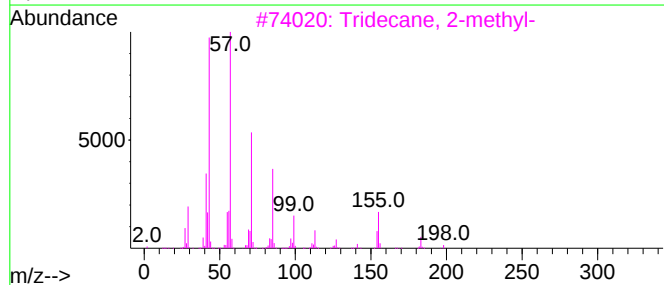
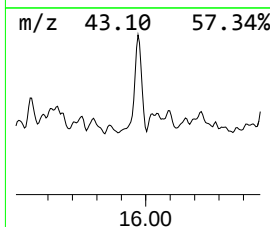
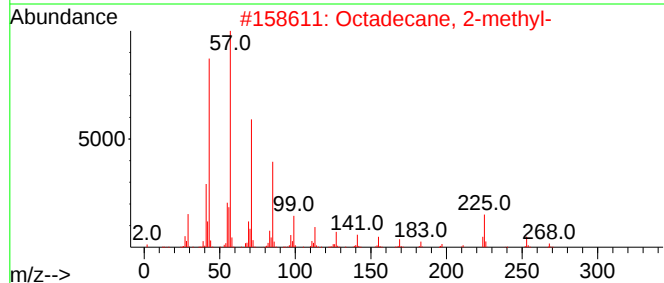
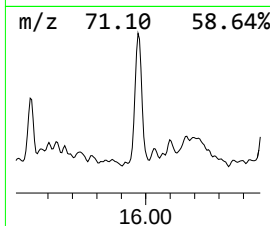
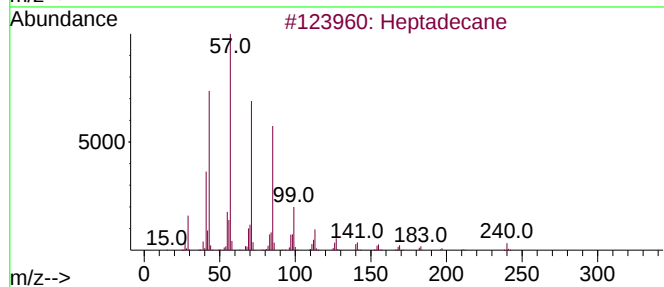
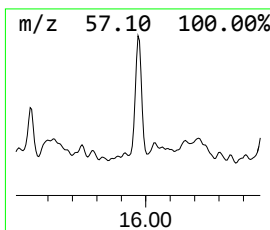
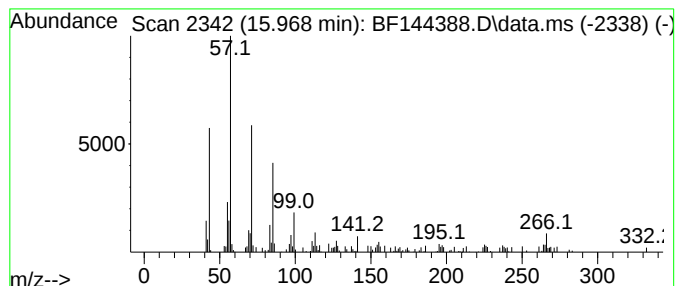
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 Heptadecane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.968	3.26 ng	68478	Perylene-d12	15.527

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Heptadecane	240	C17H36	000629-78-7	90
2		Octadecane, 2-methyl-	268	C19H40	001560-88-9	87
3		Tridecane, 2-methyl-	198	C14H30	001560-96-9	87
4		Nonadecane	268	C19H40	000629-92-5	87
5		Heptacosane	380	C27H56	000593-49-7	83



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120125\
Data File : BF144388.D
Acq On : 01 Dec 2025 15:45
Operator : RC/JU
Sample : Q3719-11
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-1125-16A

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST0.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
4-Cyclopentene-...	5.575	24.6	ng	343121	1	6.863	279029	20.0
Benzophenone	10.616	7.2	ng	130428	3	9.898	364472	20.0
n-Hexadecanoic ...	11.916	18.6	ng	380094	4	11.392	407664	20.0
Octadecanoic acid	12.698	4.2	ng	85347	4	11.392	407664	20.0
Carbonic acid, ...	13.874	5.5	ng	161643	5	14.045	592481	20.0
Nonadecane	14.504	3.2	ng	93742	5	14.045	592481	20.0
Benzo[e]pyrene	15.398	3.6	ng	76520	6	15.527	420123	20.0
Heptadecane	15.968	3.3	ng	68478	6	15.527	420123	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112625\
 Data File : BF144375.D
 Acq On : 26 Nov 2025 22:13
 Operator : RC/JU
 Sample : Q3719-12
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-1125-16B

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
 Supervised By :mohammad ahmed 12/03/2025

Quant Time: Nov 27 00:54:19 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 05 18:37:33 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	57782	20.000	ng	-0.01
21) Naphthalene-d8	8.145	136	213615	20.000	ng	-0.01
39) Acenaphthene-d10	9.898	164	107143	20.000	ng	-0.02
64) Phenanthrene-d10	11.392	188	152030	20.000	ng	-0.01
76) Chrysene-d12	14.039	240	152288	20.000	ng	-0.01
86) Perylene-d12	15.521	264	178501	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	293671	79.533	ng	0.00
7) Phenol-d6	6.492	99	329383	78.728	ng	0.00
23) Nitrobenzene-d5	7.422	82	204817	55.376	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	82998	61.731	ng	-0.01
45) 2-Fluorobiphenyl	9.216	172	407915	56.230	ng	-0.01
79) Terphenyl-d14	12.980	244	361308	37.685	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.416	178	16462	2.175	ng	97
75) Fluoranthene	12.610	202	39054	4.995	ng	98
78) Pyrene	12.839	202	37387	3.045	ng	96
81) Benzo(a)anthracene	14.027	228	24831	2.353	ng	97
83) Chrysene	14.063	228	23762	2.439	ng	96
88) Benzo(b)fluoranthene	15.086	252	30500m	3.005	ng	
90) Benzo(a)pyrene	15.457	252	20813	2.223	ng	# 89

(#) = qualifier out of range (m) = manual integration (+) = signals summed

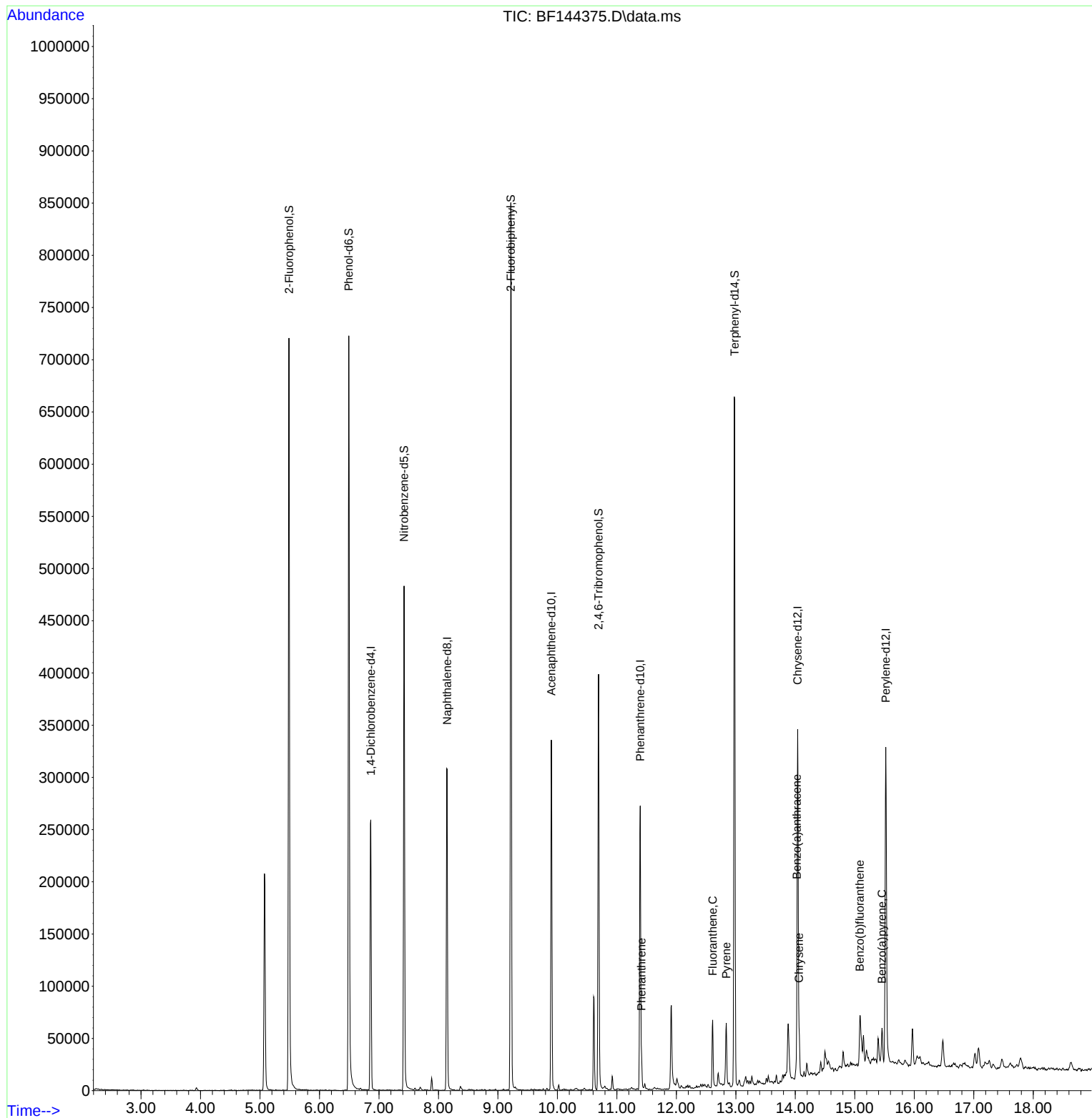
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Data File : BF144375.D
Acq On : 26 Nov 2025 22:13
Operator : RC/JU
Sample : Q3719-12
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-1125-16B

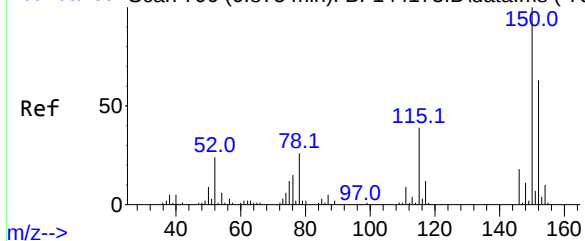
Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025

Quant Time: Nov 27 00:54:19 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 18:37:33 2025
Response via : Initial Calibration



Abundance Scan 796 (6.875 min): BF144173.D\data.ms (-79



#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.863 min Scan# 796

Delta R.T. -0.012 min

Lab File: BF144375.D

Acq: 26 Nov 2025 22:13

Instrument :

BNA_F

ClientSampleId :

SB-1125-16B

Tgt Ion:152 Resp: 5778

Ion Ratio Lower Upper

152 100

150 158.3 127.4 191.0

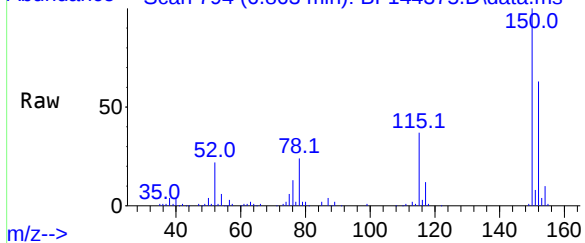
115 58.8 49.5 74.3

Manual Integrations

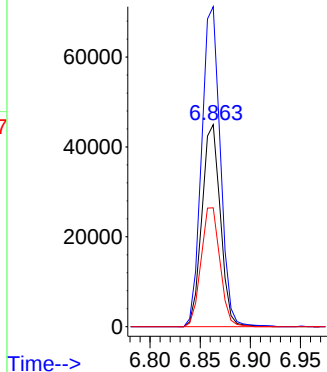
APPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025

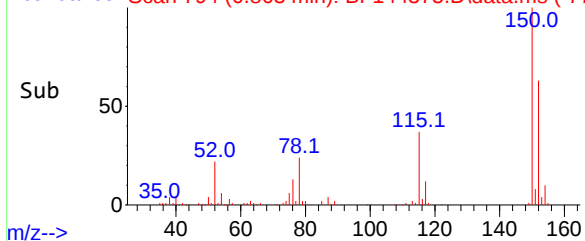
Abundance Scan 794 (6.863 min): BF144375.D\data.ms



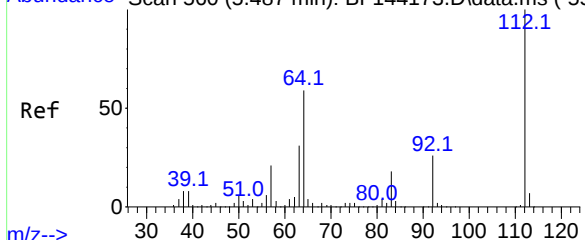
Abundance



Abundance Scan 794 (6.863 min): BF144375.D\data.ms (-77



Abundance Scan 560 (5.487 min): BF144173.D\data.ms (-55



#5

2-Fluorophenol

Concen: 79.533 ng

RT: 5.487 min Scan# 560

Delta R.T. -0.006 min

Lab File: BF144375.D

Acq: 26 Nov 2025 22:13

Tgt Ion:112 Resp: 293671

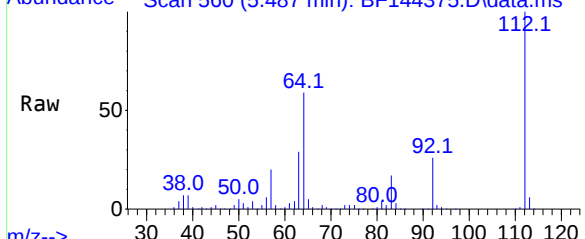
Ion Ratio Lower Upper

112 100

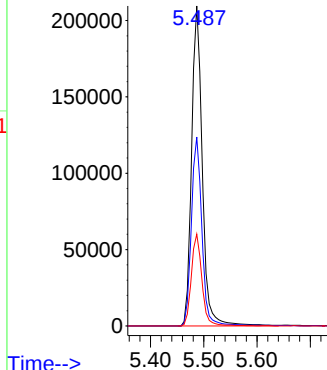
64 59.1 47.2 70.8

63 28.7 24.4 36.6

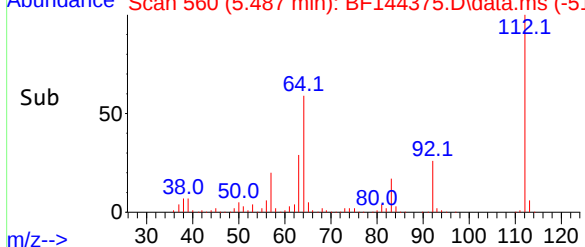
Abundance Scan 560 (5.487 min): BF144375.D\data.ms



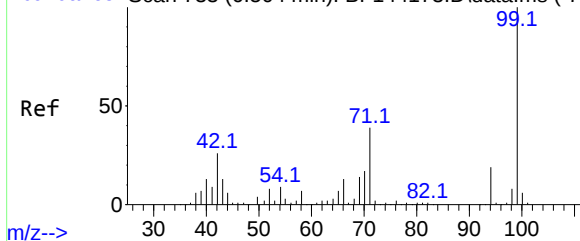
Abundance



Abundance Scan 560 (5.487 min): BF144375.D\data.ms (-51



Abundance Scan 733 (6.504 min): BF144173.D\data.ms (-72



#7

Phenol-d6

Concen: 78.728 ng

RT: 6.492 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF144375.D

Acq: 26 Nov 2025 22:13

Instrument :

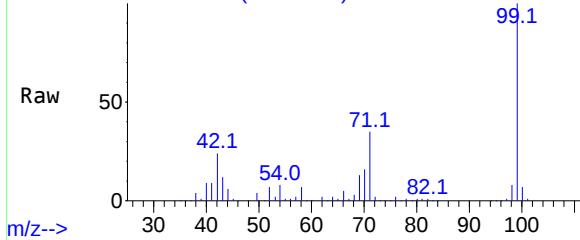
BNA_F

ClientSampleId :

SB-1125-16B

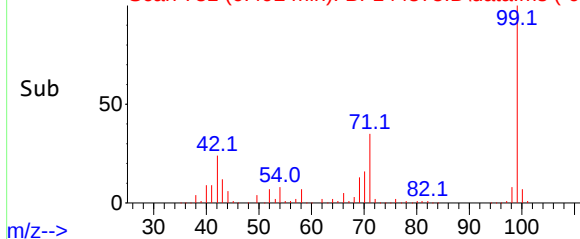
m/z-->

Abundance Scan 731 (6.492 min): BF144375.D\data.ms



m/z-->

Abundance Scan 731 (6.492 min): BF144375.D\data.ms (-68



m/z-->

Tgt Ion: 99 Resp: 32938

Ion Ratio Lower Upper

99 100

42 24.1 20.9 31.3

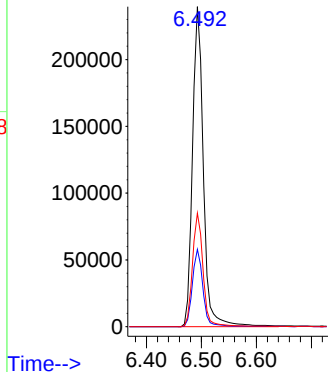
71 35.5 31.4 47.2

Manual Integrations

APPROVED

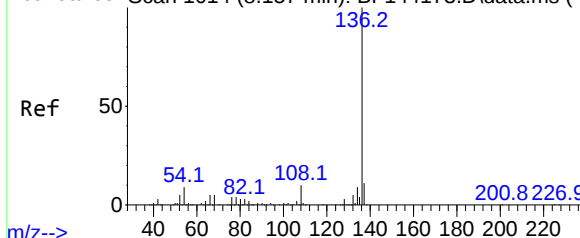
Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025

Abundance



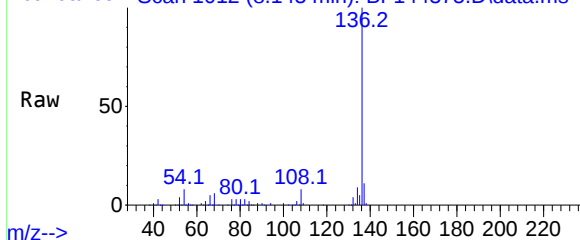
Time-->

Abundance Scan 1014 (8.157 min): BF144173.D\data.ms (-1



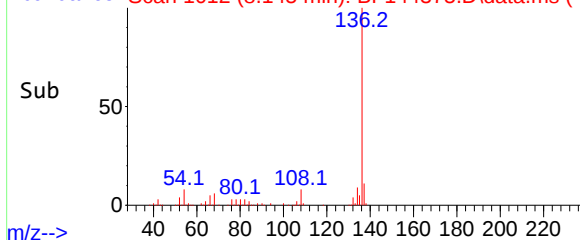
m/z-->

Abundance Scan 1012 (8.145 min): BF144375.D\data.ms



m/z-->

Abundance Scan 1012 (8.145 min): BF144375.D\data.ms (-9



m/z-->

#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.145 min Scan# 1012

Delta R.T. -0.012 min

Lab File: BF144375.D

Acq: 26 Nov 2025 22:13

Tgt Ion:136 Resp: 213615

Ion Ratio Lower Upper

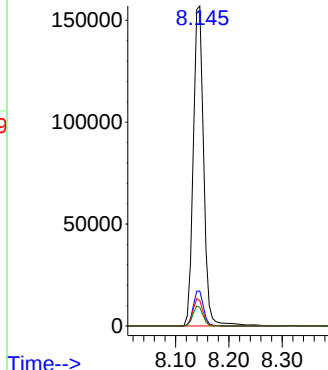
136 100

137 10.9 8.6 13.0

54 8.0 7.0 10.6

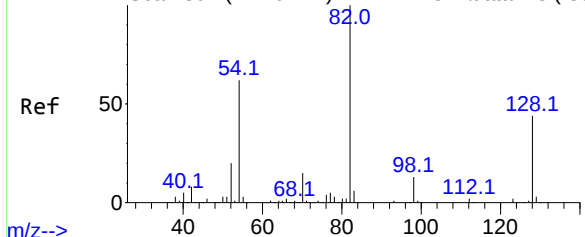
68 5.8 4.3 6.5

Abundance



Time-->

Abundance Scan 892 (7.440 min): BF144173.D\data.ms (-88



#23

Nitrobenzene-d5

Concen: 55.376 ng

RT: 7.422 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF144375.D

Acq: 26 Nov 2025 22:13

Instrument :

BNA_F

ClientSampleId :

SB-1125-16B

Tgt Ion: 82 Resp: 20481

Ion Ratio Lower Upper

82 100

128 44.3 34.7 52.1

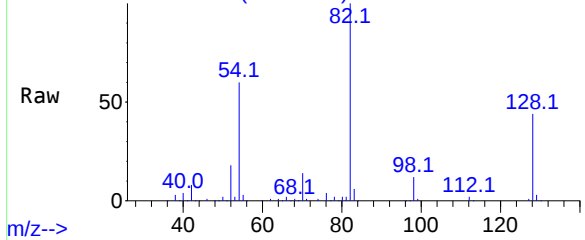
54 59.9 49.5 74.3

Manual Integrations

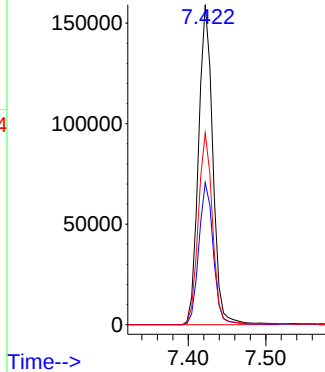
APPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025

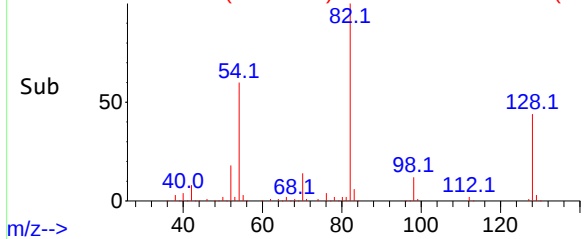
Abundance Scan 889 (7.422 min): BF144375.D\data.ms



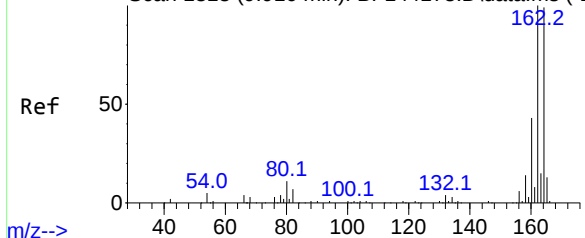
Abundance



Abundance Scan 889 (7.422 min): BF144375.D\data.ms (-84



Abundance Scan 1313 (9.916 min): BF144173.D\data.ms (-1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.898 min Scan# 1310

Delta R.T. -0.018 min

Lab File: BF144375.D

Acq: 26 Nov 2025 22:13

Tgt Ion:164 Resp: 107143

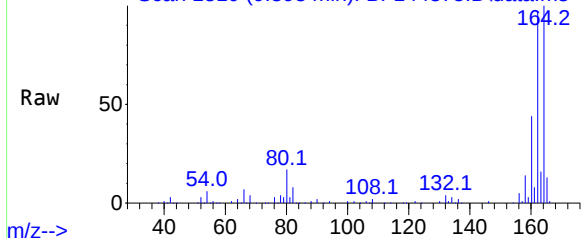
Ion Ratio Lower Upper

164 100

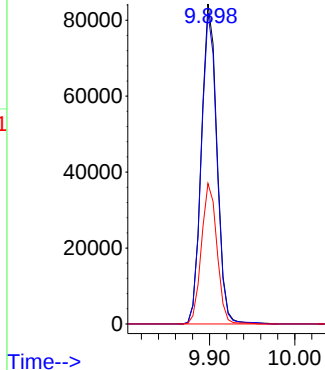
162 97.2 81.1 121.7

160 43.9 34.5 51.7

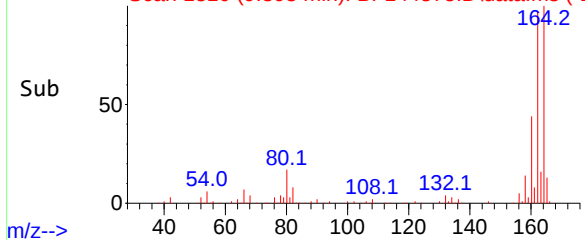
Abundance Scan 1310 (9.898 min): BF144375.D\data.ms

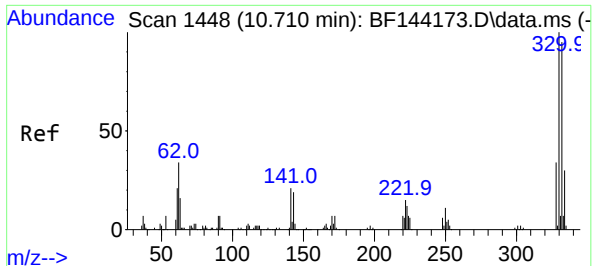


Abundance



Abundance Scan 1310 (9.898 min): BF144375.D\data.ms (-1





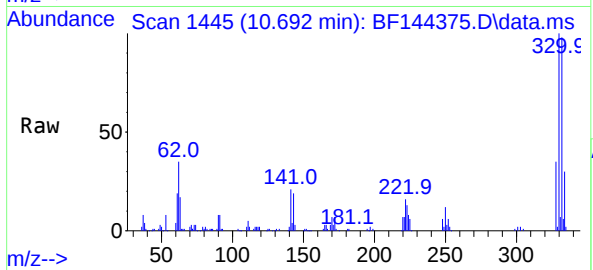
#42
2,4,6-Tribromophenol
Concen: 61.731 ng
RT: 10.692 min Scan# 1445
Delta R.T. -0.012 min
Lab File: BF144375.D
Acq: 26 Nov 2025 22:13

Instrument :

BNA_F

ClientSampleId :

SB-1125-16B

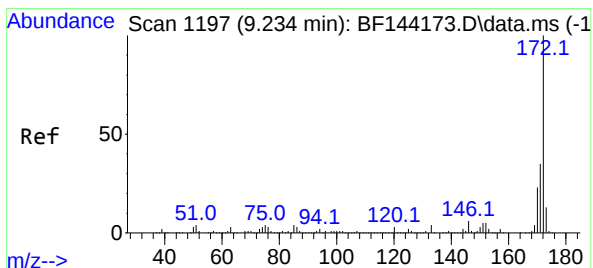
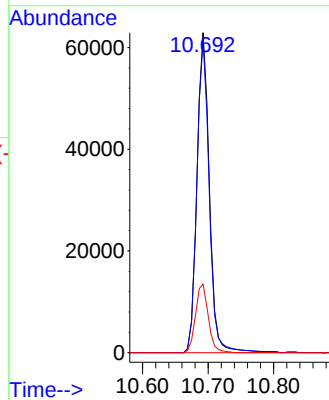
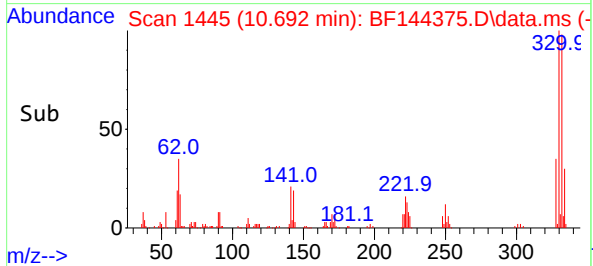


Tgt Ion:330 Resp: 82998
Ion Ratio Lower Upper
330 100
332 97.2 76.7 115.1
141 22.0 17.8 26.8

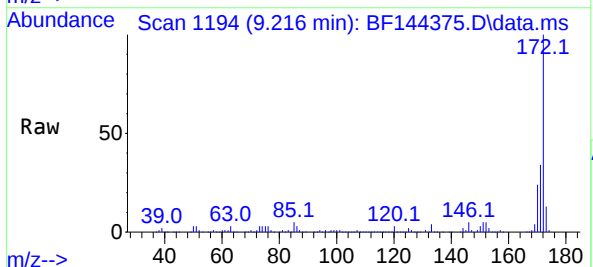
Manual Integrations

APPROVED

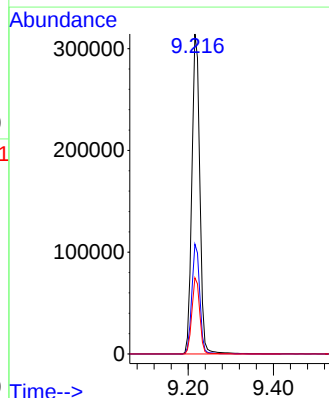
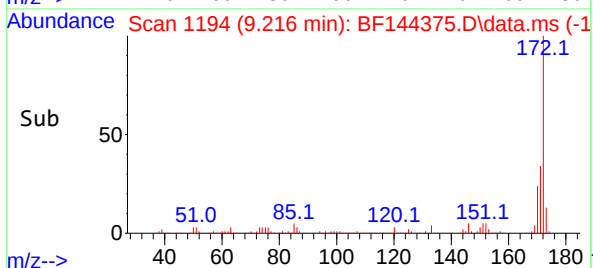
Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025

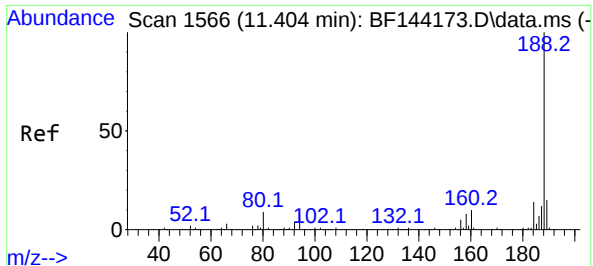


#45
2-Fluorobiphenyl
Concen: 56.230 ng
RT: 9.216 min Scan# 1194
Delta R.T. -0.012 min
Lab File: BF144375.D
Acq: 26 Nov 2025 22:13



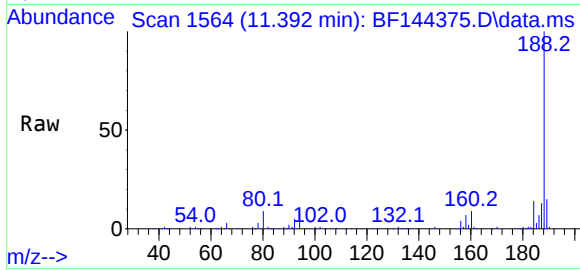
Tgt Ion:172 Resp: 407915
Ion Ratio Lower Upper
172 100
171 34.3 28.1 42.1
170 23.8 18.6 28.0





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1566
Delta R.T. -0.012 min
Lab File: BF144375.D
Acq: 26 Nov 2025 22:13

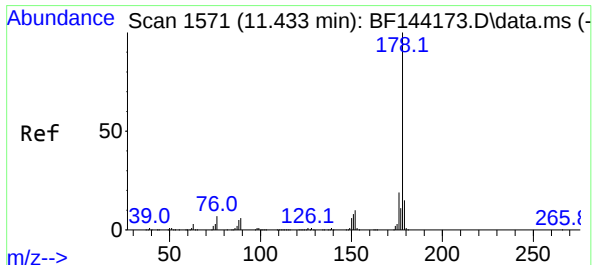
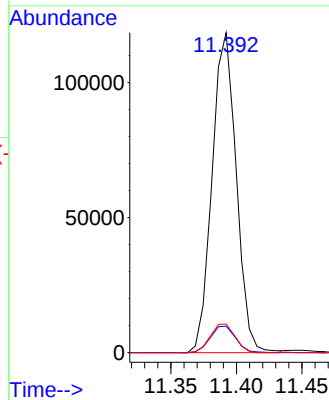
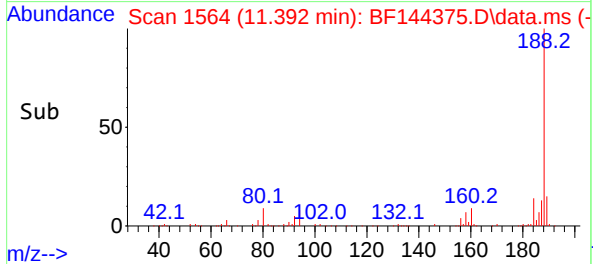
Instrument :
BNA_F
ClientSampleId :
SB-1125-16B



Tgt Ion:188 Resp: 152030
Ion Ratio Lower Upper
188 100
94 8.3 6.2 9.2
80 9.0 6.9 10.3

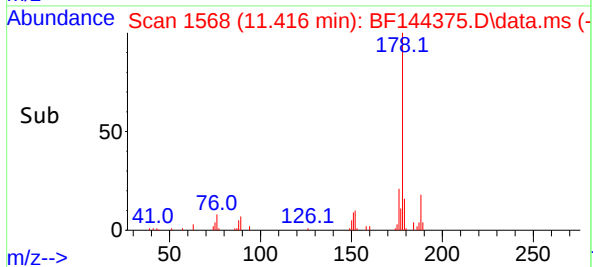
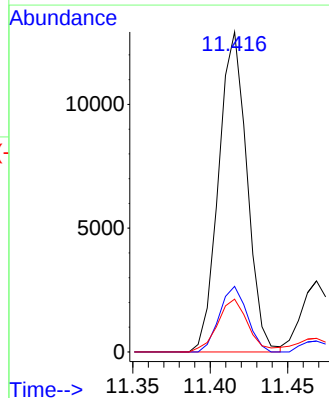
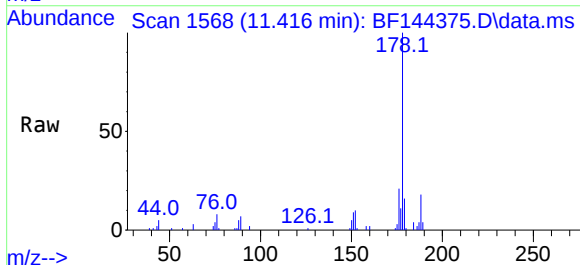
Manual Integrations
APPROVED

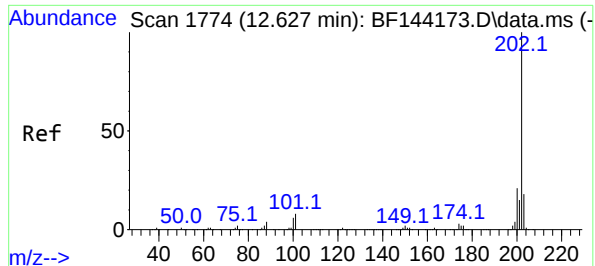
Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025



#71
Phenanthrene
Concen: 2.175 ng
RT: 11.416 min Scan# 1568
Delta R.T. -0.012 min
Lab File: BF144375.D
Acq: 26 Nov 2025 22:13

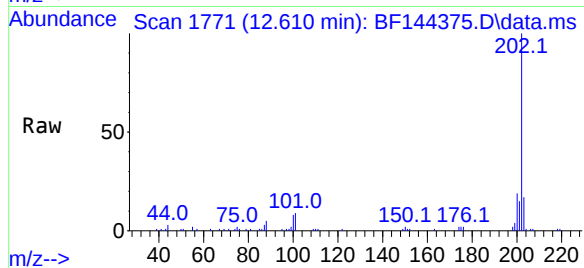
Tgt Ion:178 Resp: 16462
Ion Ratio Lower Upper
178 100
176 20.5 15.5 23.3
179 16.5 12.2 18.4





#75
Fluoranthene
Concen: 4.995 ng
RT: 12.610 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF144375.D
Acq: 26 Nov 2025 22:13

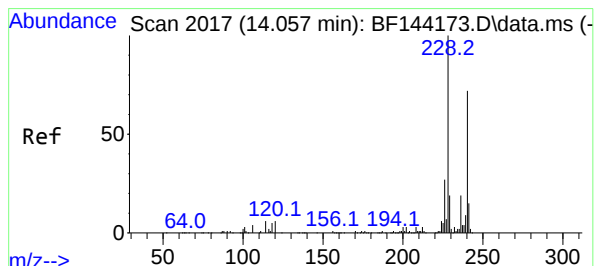
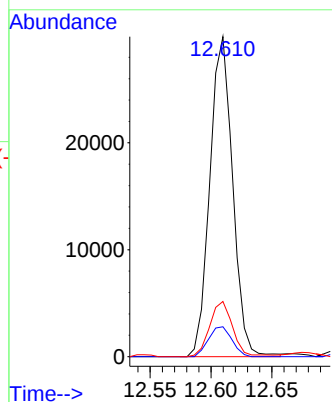
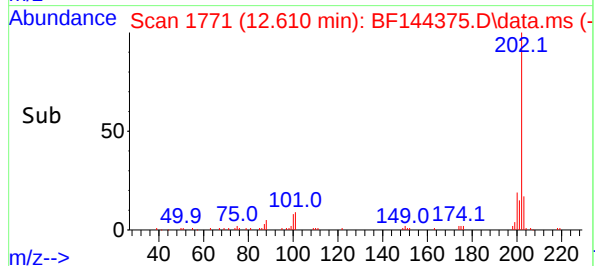
Instrument :
BNA_F
ClientSampleId :
SB-1125-16B



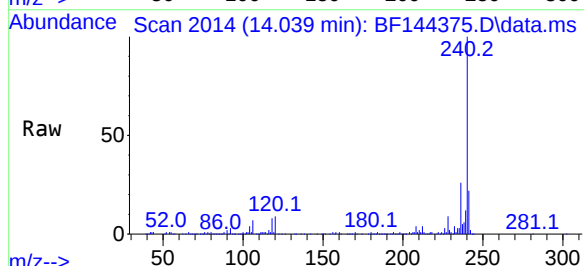
Tgt Ion:202 Resp: 39054
Ion Ratio Lower Upper
202 100
101 9.4 0.0 27.9
203 17.3 0.0 37.5

Manual Integrations
APPROVED

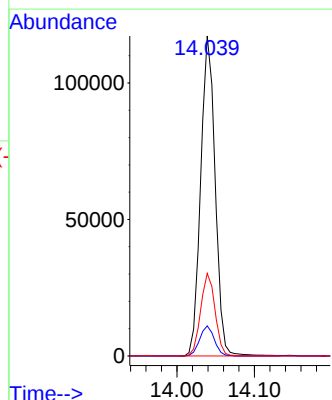
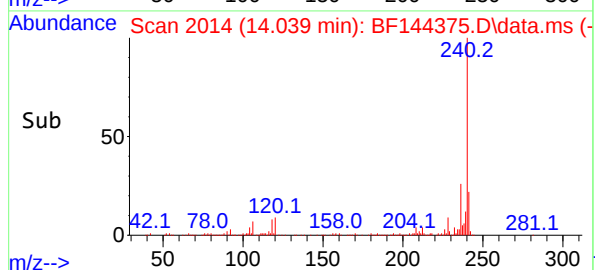
Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025

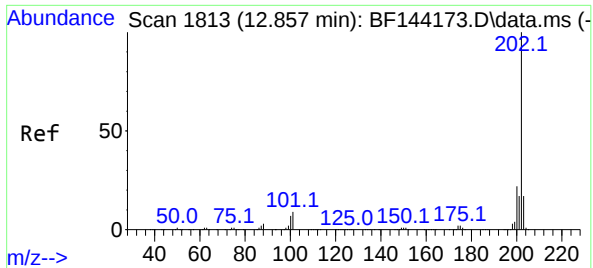


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2014
Delta R.T. -0.012 min
Lab File: BF144375.D
Acq: 26 Nov 2025 22:13



Tgt Ion:240 Resp: 152288
Ion Ratio Lower Upper
240 100
120 9.4 6.6 10.0
236 25.8 21.4 32.2





#78

Pyrene

Concen: 3.045 ng

RT: 12.839 min Scan# 1810

Delta R.T. -0.012 min

Lab File: BF144375.D

Acq: 26 Nov 2025 22:13

Instrument :

BNA_F

ClientSampleId :

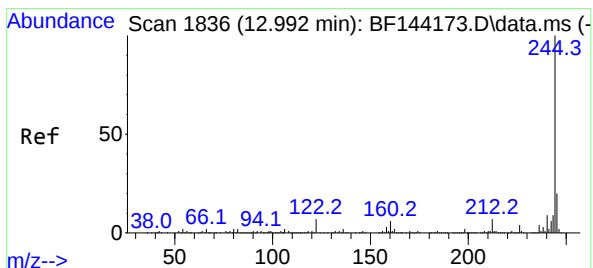
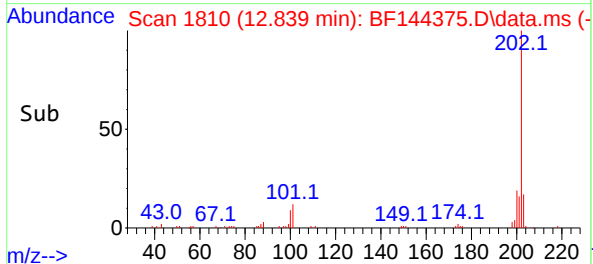
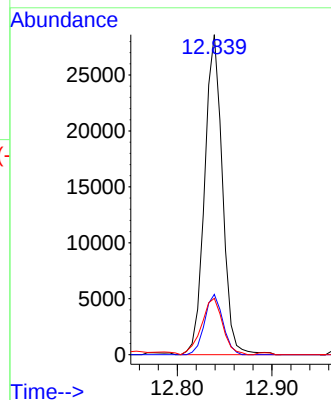
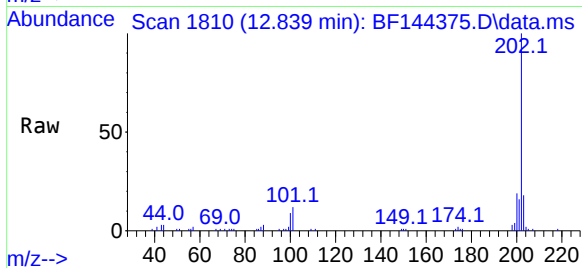
SB-1125-16B

Tgt Ion:	202	Resp:	3738
Ion	Ratio	Lower	Upper
202	100		
200	18.9	17.2	25.8
203	17.6	13.7	20.5

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025



#79

Terphenyl-d14

Concen: 37.685 ng

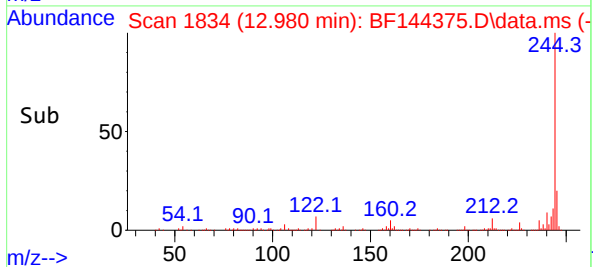
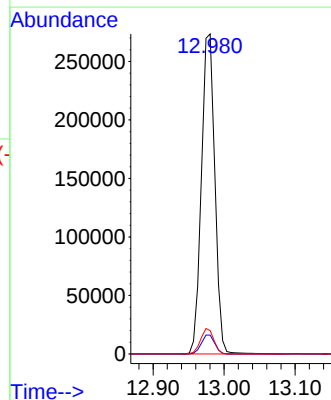
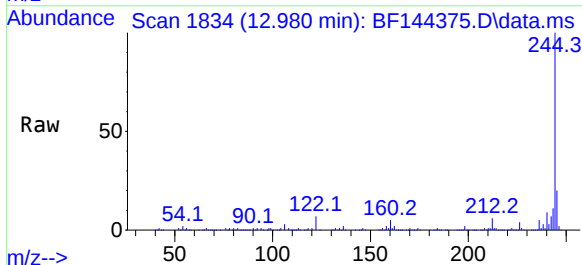
RT: 12.980 min Scan# 1834

Delta R.T. -0.012 min

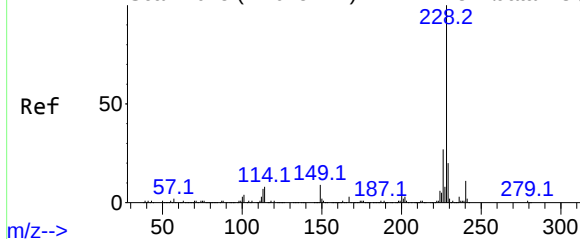
Lab File: BF144375.D

Acq: 26 Nov 2025 22:13

Tgt Ion:	244	Resp:	361308
Ion	Ratio	Lower	Upper
244	100		
212	5.9	5.3	7.9
122	7.3	5.6	8.4



Abundance Scan 2015 (14.045 min): BF144173.D\data.ms (-



#81

Benzo(a)anthracene

Concen: 2.353 ng

RT: 14.027 min Scan# 2012

Delta R.T. -0.018 min

Lab File: BF144375.D

Acq: 26 Nov 2025 22:13

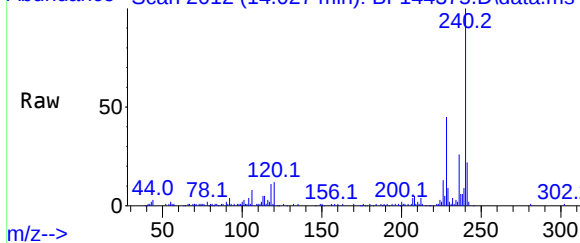
Instrument :

BNA_F

ClientSampleId :

SB-1125-16B

Abundance Scan 2012 (14.027 min): BF144375.D\data.ms



Tgt Ion:228 Resp: 2483

Ion Ratio Lower Upper

228 100

226 28.7 21.8 32.8

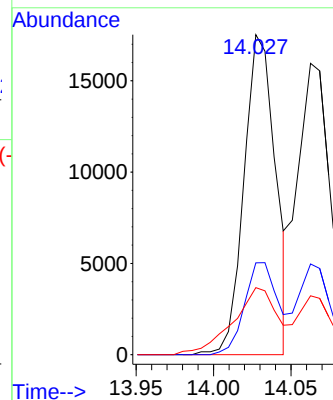
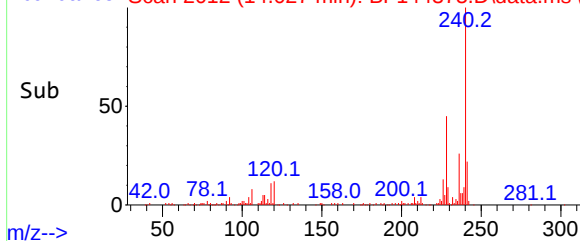
229 20.9 15.8 23.6

Manual Integrations

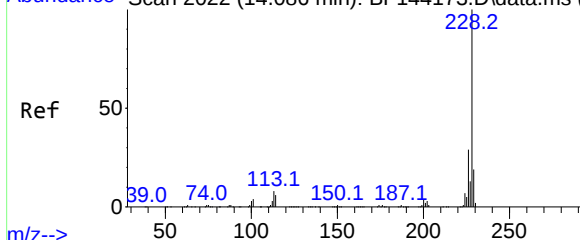
APPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025

Abundance Scan 2012 (14.027 min): BF144375.D\data.ms (-



Abundance Scan 2022 (14.086 min): BF144173.D\data.ms (-



#83

Chrysene

Concen: 2.439 ng

RT: 14.063 min Scan# 2018

Delta R.T. -0.018 min

Lab File: BF144375.D

Acq: 26 Nov 2025 22:13

Tgt Ion:228 Resp: 23762

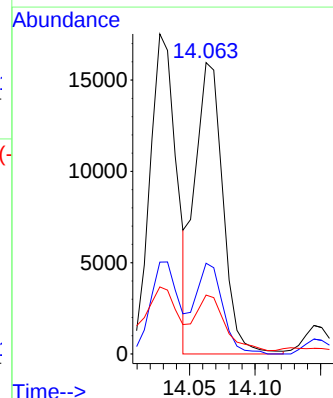
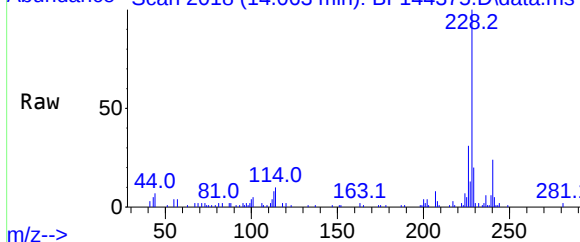
Ion Ratio Lower Upper

228 100

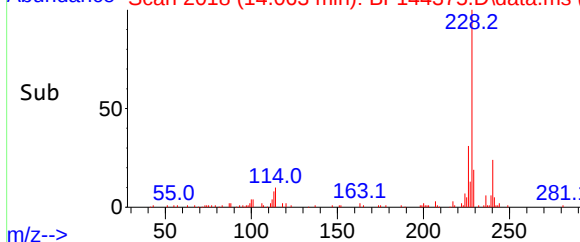
226 31.1 22.9 34.3

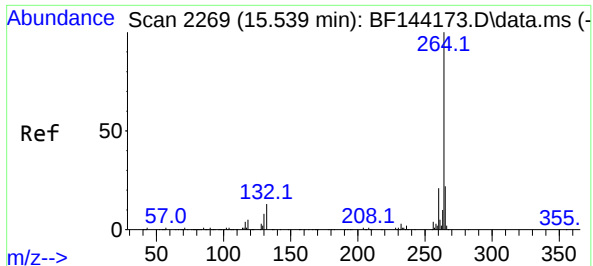
229 20.2 15.0 22.6

Abundance Scan 2018 (14.063 min): BF144375.D\data.ms



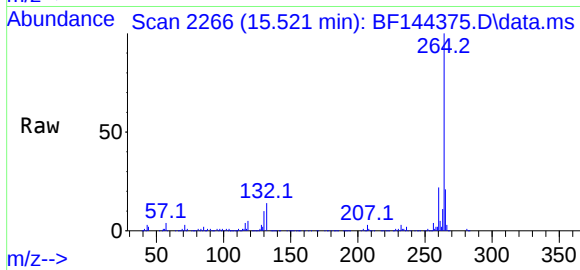
Abundance Scan 2018 (14.063 min): BF144375.D\data.ms (-





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.521 min Scan# 2192
Delta R.T. -0.018 min
Lab File: BF144375.D
Acq: 26 Nov 2025 22:13

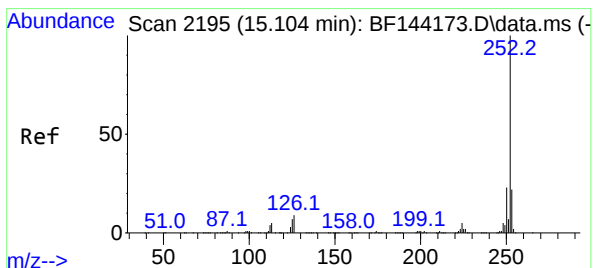
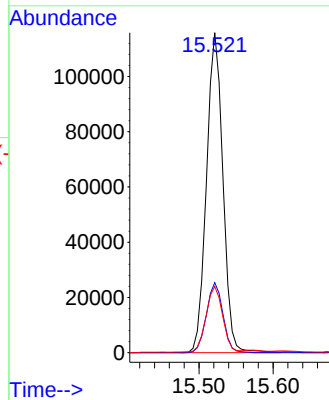
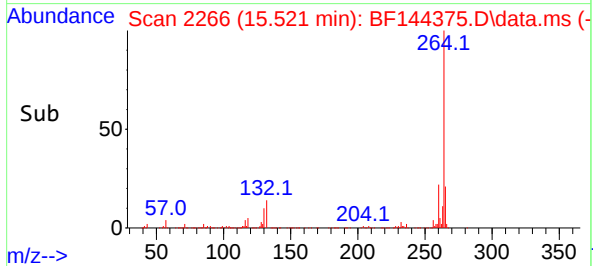
Instrument :
BNA_F
ClientSampleId :
SB-1125-16B



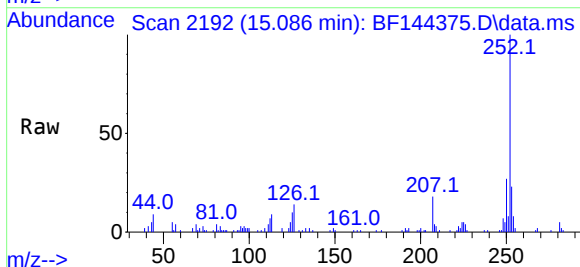
Tgt Ion:264 Resp: 17850
Ion Ratio Lower Upper
264 100
260 21.9 17.1 25.7
265 20.7 17.4 26.0

Manual Integrations
APPROVED

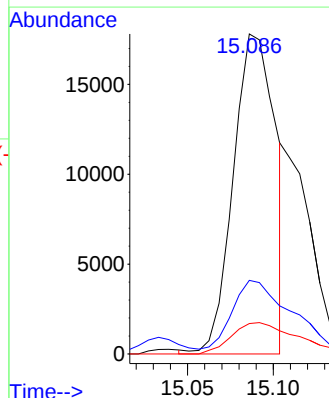
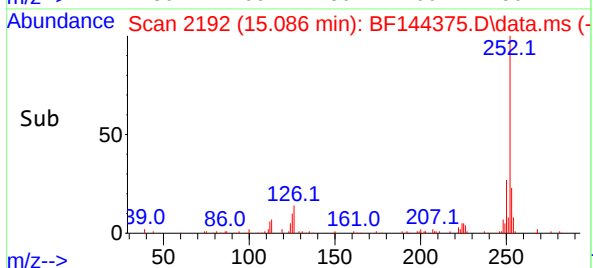
Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025

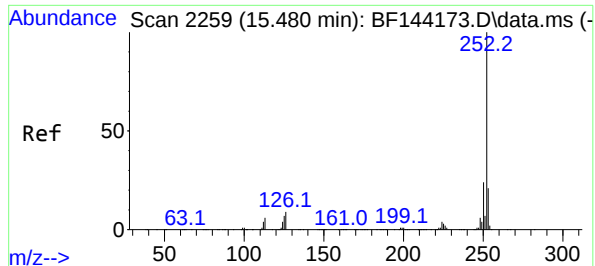


#88
Benzo(b)fluoranthene
Concen: 3.005 ng m
RT: 15.086 min Scan# 2192
Delta R.T. -0.012 min
Lab File: BF144375.D
Acq: 26 Nov 2025 22:13



Tgt Ion:252 Resp: 30500
Ion Ratio Lower Upper
252 100
253 23.0 17.4 26.2
125 9.5 5.3 7.9#





#90

Benzo(a)pyrene

Concen: 2.223 ng

RT: 15.457 min Scan# 2081

Delta R.T. -0.018 min

Lab File: BF144375.D

Acq: 26 Nov 2025 22:13

Instrument :

BNA_F

ClientSampleId :

SB-1125-16B

Tgt Ion:252 Resp: 2081

Ion Ratio Lower Upper

252 100

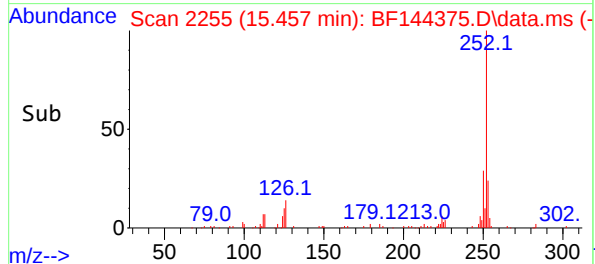
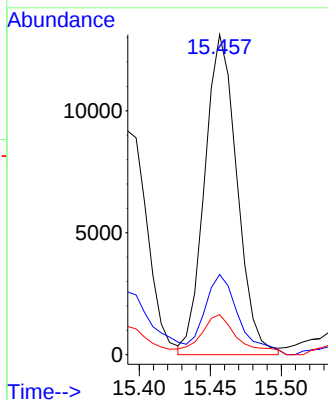
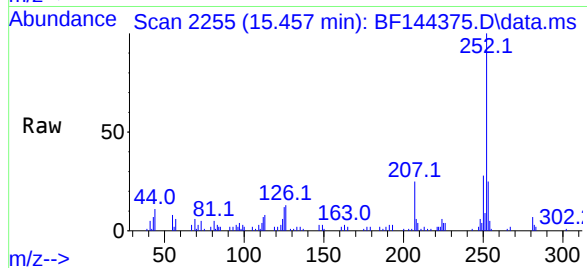
253 25.1 16.7 25.1

125 12.5 5.7 8.5

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112625\
 Data File : BF144375.D
 Acq On : 26 Nov 2025 22:13
 Operator : RC/JU
 Sample : Q3719-12
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-1125-16B

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF144375.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.075	484	490	505	rBV	207165	314194	29.21%	3.449%
2	5.487	555	560	586	rBV	720110	991404	92.16%	10.884%
3	6.492	726	731	754	rBV	722603	987737	91.82%	10.844%
4	6.863	788	794	802	rBV	258683	335750	31.21%	3.686%
5	7.422	884	889	907	rBV	482884	622834	57.90%	6.838%
6	7.887	964	968	973	rVB	11928	13677	1.27%	0.150%
7	8.139	1006	1011	1028	rVB	307822	413392	38.43%	4.538%
8	9.216	1189	1194	1204	rBV	849784	1075739	100.00%	11.810%
9	9.898	1305	1310	1325	rVB	335314	424616	39.47%	4.662%
10	10.610	1427	1431	1440	rBV	89017	116428	10.82%	1.278%
11	10.692	1440	1445	1456	rBV	398090	527662	49.05%	5.793%
12	10.922	1480	1484	1493	rVB	13134	17784	1.65%	0.195%
13	11.392	1559	1564	1573	rBV	271676	384077	35.70%	4.217%
14	11.916	1643	1653	1662	rBV3	80513	142324	13.23%	1.563%
15	12.010	1665	1669	1678	rVB3	9120	19355	1.80%	0.212%
16	12.610	1766	1771	1779	rBV	64934	88738	8.25%	0.974%
17	12.704	1782	1787	1794	rBV4	12357	21130	1.96%	0.232%
18	12.839	1803	1810	1816	rBV	58870	84329	7.84%	0.926%
19	12.974	1828	1833	1842	rVV	659621	876306	81.46%	9.621%
20	13.169	1857	1866	1869	rBV3	9349	20765	1.93%	0.228%
21	13.269	1880	1883	1891	rVB3	8097	12277	1.14%	0.135%
22	13.880	1982	1987	1997	rVB3	52185	99733	9.27%	1.095%
23	14.039	2005	2014	2024	rBV2	335062	530651	49.33%	5.826%
24	14.192	2036	2040	2047	rBV6	12531	22350	2.08%	0.245%
25	14.427	2076	2080	2084	rBV	10224	14182	1.32%	0.156%
26	14.498	2089	2092	2099	rVV5	15752	30983	2.88%	0.340%
27	14.804	2140	2144	2151	rBV	15128	25230	2.35%	0.277%
28	15.086	2187	2192	2199	rBV	47884	109703	10.20%	1.204%
29	15.145	2199	2202	2206	rVB	25024	33983	3.16%	0.373%
30	15.392	2240	2244	2250	rBV	23036	37082	3.45%	0.407%
31	15.457	2251	2255	2260	rVV	32831	49053	4.56%	0.539%
32	15.521	2260	2266	2279	rVB	301597	487852	45.35%	5.356%
33	15.968	2337	2342	2348	rBV	34892	58539	5.44%	0.643%
34	16.480	2423	2429	2439	rVB2	25442	53346	4.96%	0.586%
35	17.021	2516	2521	2525	rBV2	11470	22857	2.12%	0.251%
36	17.080	2527	2531	2541	rVB3	19267	42556	3.96%	0.467%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112625\
Data File : BF144375.D
Acq On : 26 Nov 2025 22:13
Operator : RC/JU
Sample : Q3719-12
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-1125-16B

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

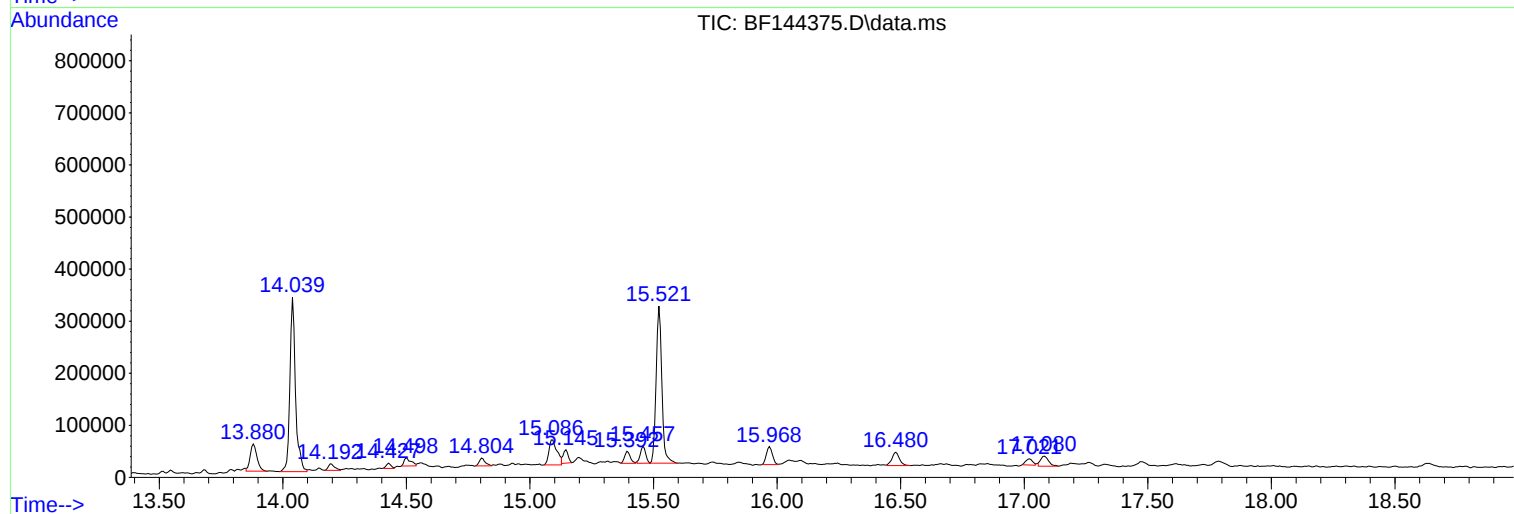
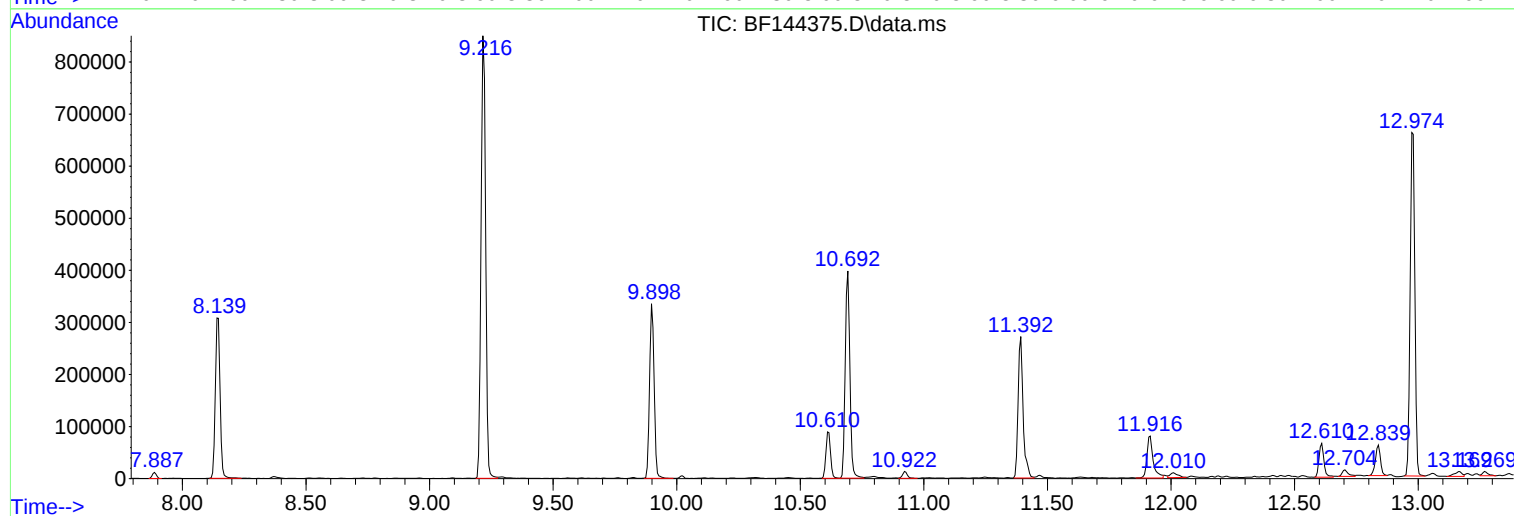
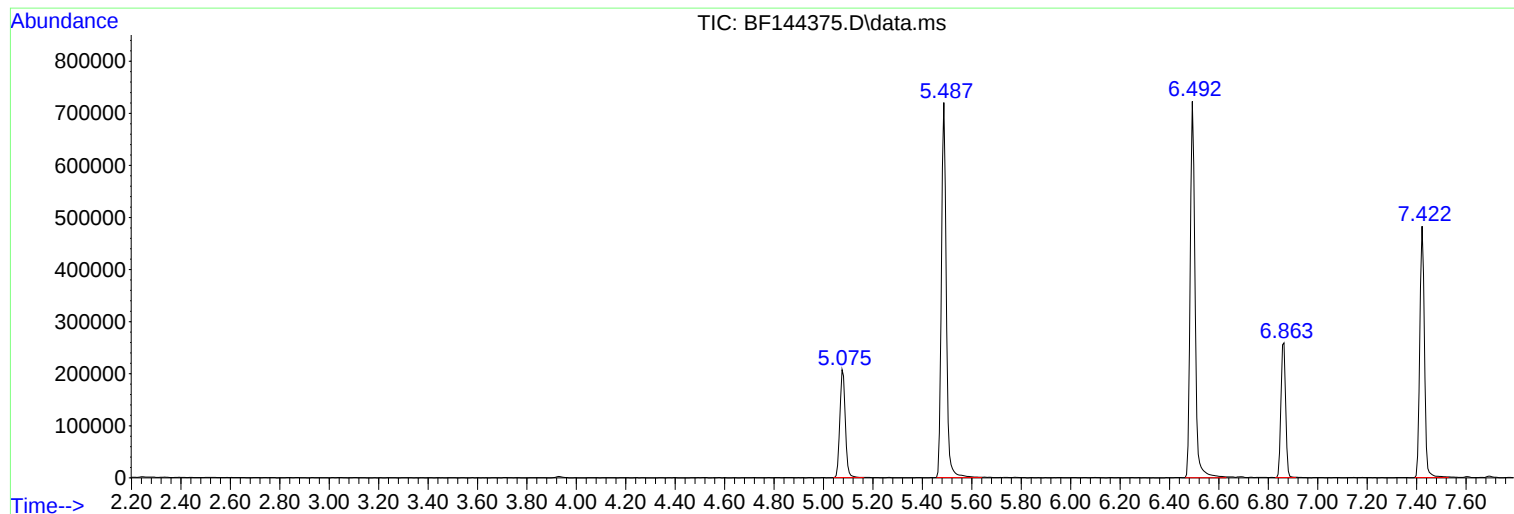
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Acq On : 26 Nov 2025 22:13
Operator : RC/JU
Sample : Q3719-12
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-1125-16B

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112625\
Data File : BF144375.D
Acq On : 26 Nov 2025 22:13
Operator : RC/JU
Sample : Q3719-12
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-1125-16B

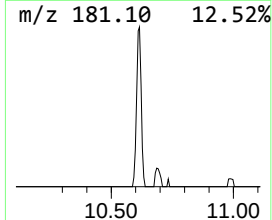
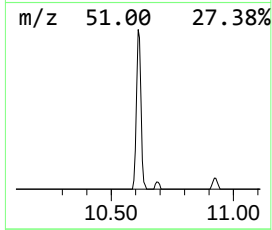
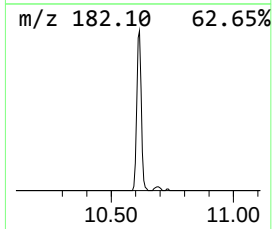
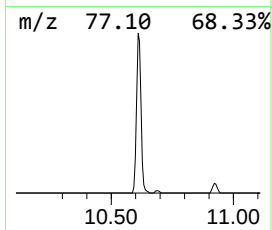
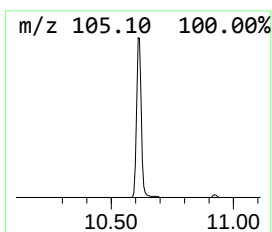
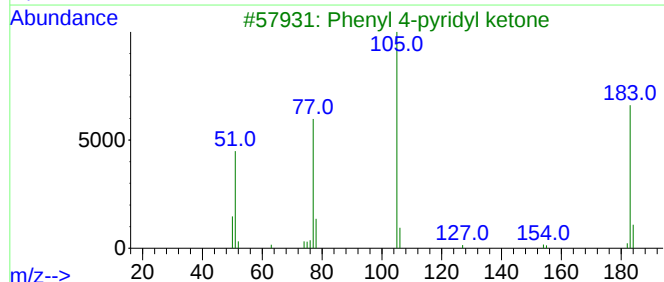
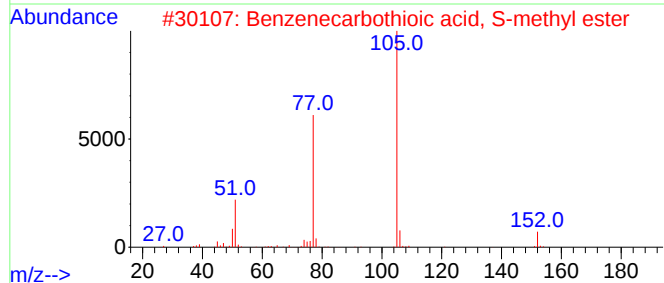
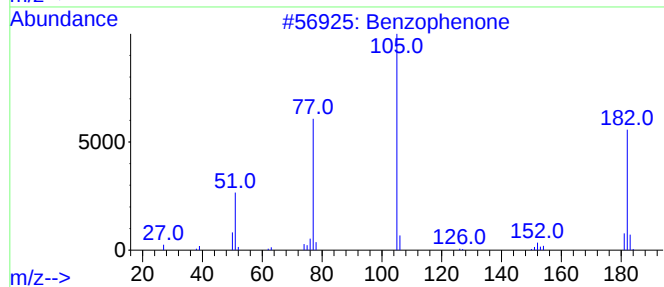
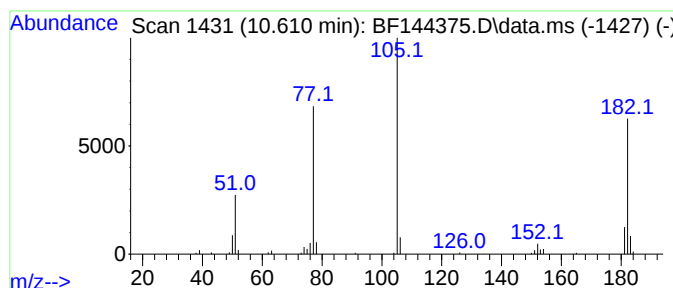
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Benzophenone Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.610	5.48 ng	116428	Acenaphthene-d10	9.898

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	96
2			Benzenecarbothioic acid, S-methy...	152	C8H8OS	005925-68-8	60
3			Phenyl 4-pyridyl ketone	183	C12H9NO	014548-46-0	53
4			Acetophenone, 2-chloro-	154	C8H7ClO	000532-27-4	49
5			N-Methylbenzamide, N-trifluoroac...	231	C10H8F3NO2	1000446-91-5	47



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112625\
Data File : BF144375.D
Acq On : 26 Nov 2025 22:13
Operator : RC/JU
Sample : Q3719-12
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-1125-16B

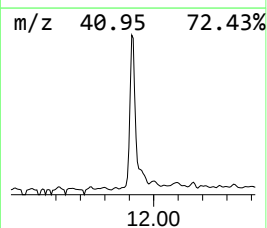
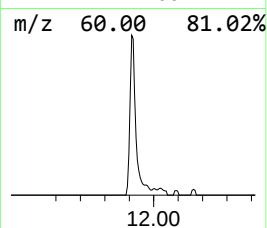
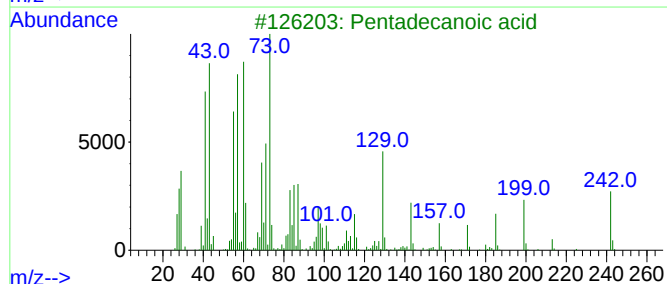
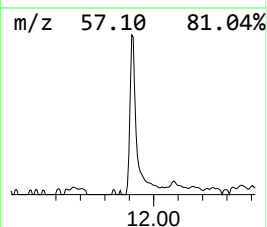
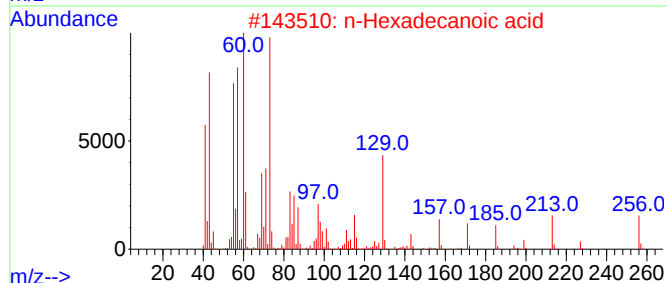
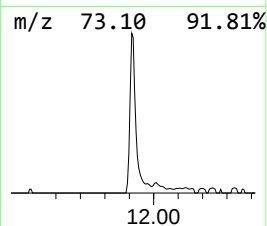
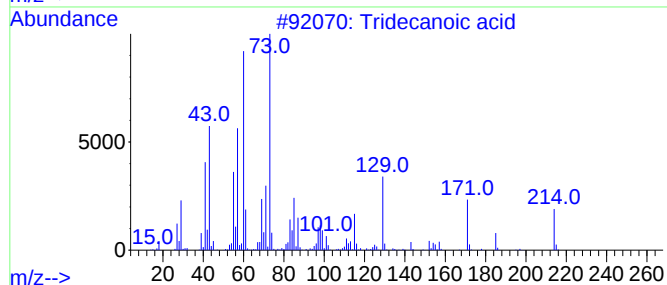
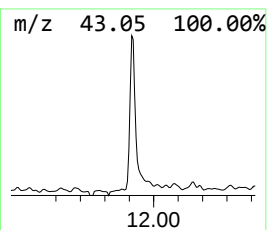
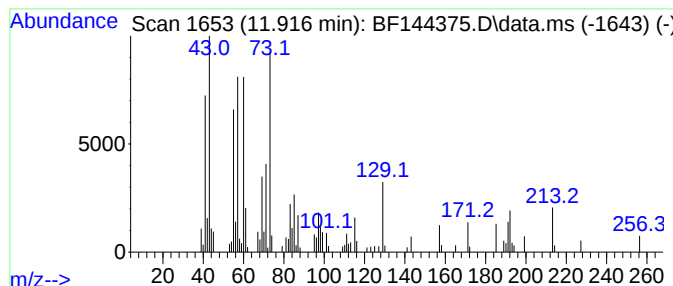
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Tridecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.916	7.41 ng	142324	Phenanthrene-d10	11.392

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tridecanoic acid	214	C13H26O2	000638-53-9	92
2			n-Hexadecanoic acid	256	C16H32O2	000057-10-3	91
3			Pentadecanoic acid	242	C15H30O2	001002-84-2	72
4			Oxalic acid, dodecyl propyl ester	300	C17H32O4	1000309-26-5	18
5			n-Decanoic acid	172	C10H20O2	000334-48-5	18



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112625\
Data File : BF144375.D
Acq On : 26 Nov 2025 22:13
Operator : RC/JU
Sample : Q3719-12
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-1125-16B

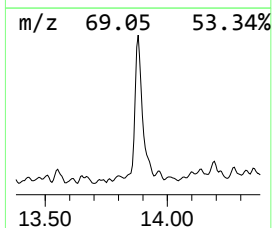
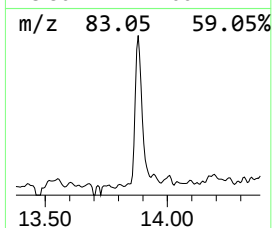
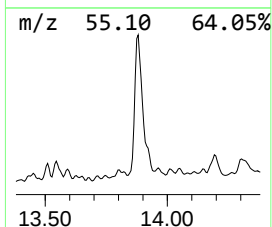
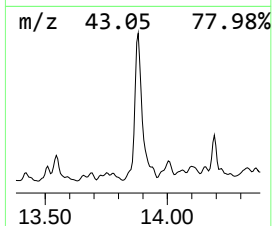
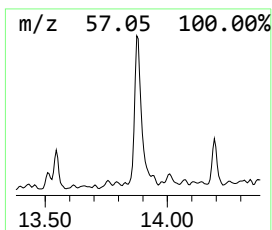
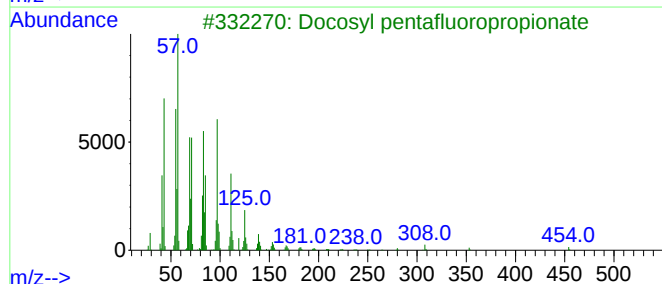
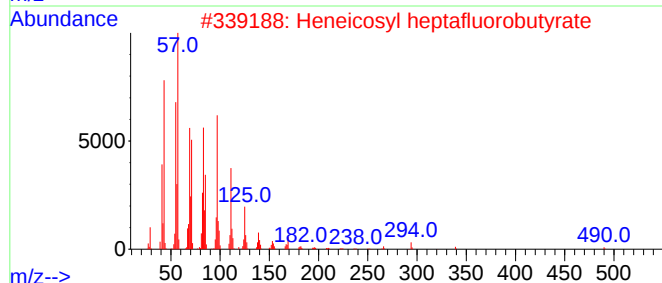
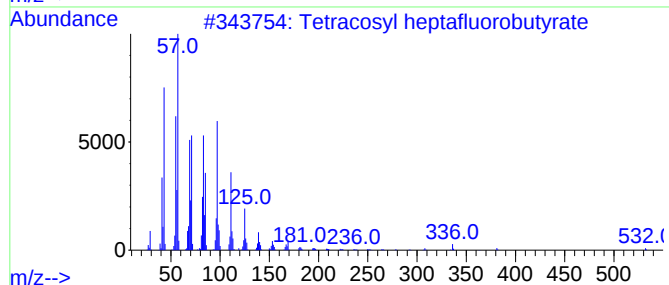
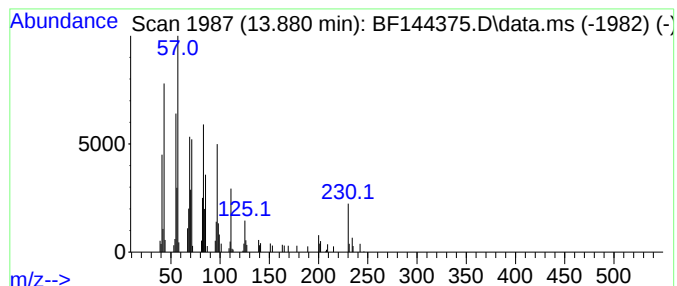
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Tetracosyl heptafluorobutyrate Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.880	3.76 ng	99733	Chrysene-d12	14.039

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tetracosyl heptafluorobutyrate	550	C28H49F7O2	1000351-83-7	91
2			Heneicosyl heptafluorobutyrate	508	C25H43F7O2	1000351-83-8	87
3			Docosyl pentafluoropropionate	472	C25H45F5O2	1000351-80-9	87
4			Octacosyl heptafluorobutyrate	606	C32H57F7O2	1010351-83-6	87
5			Tricosyl heptafluorobutyrate	536	C27H47F7O2	1000351-83-4	87



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112625\
Data File : BF144375.D
Acq On : 26 Nov 2025 22:13
Operator : RC/JU
Sample : Q3719-12
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-1125-16B

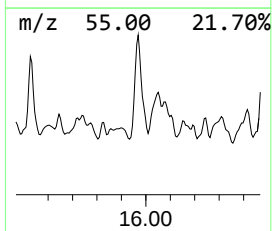
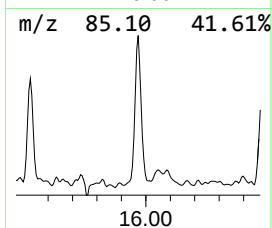
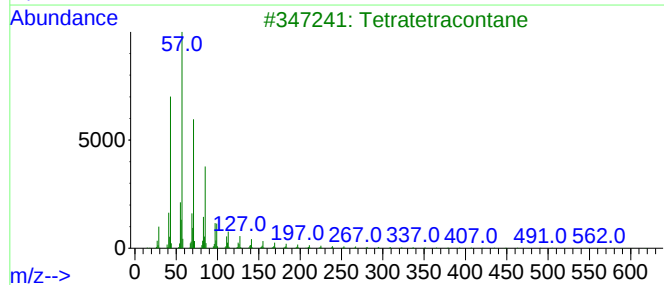
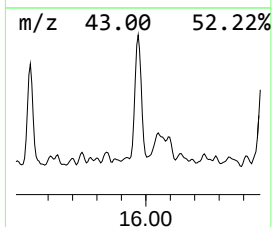
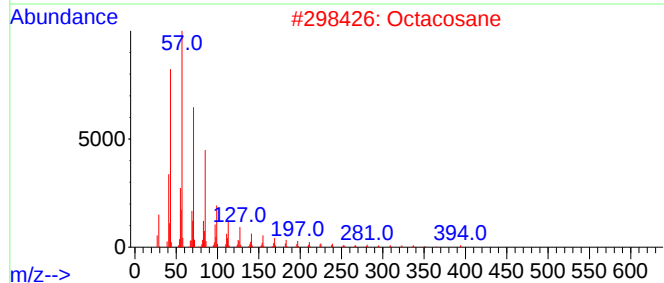
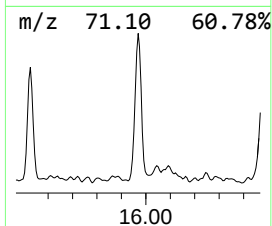
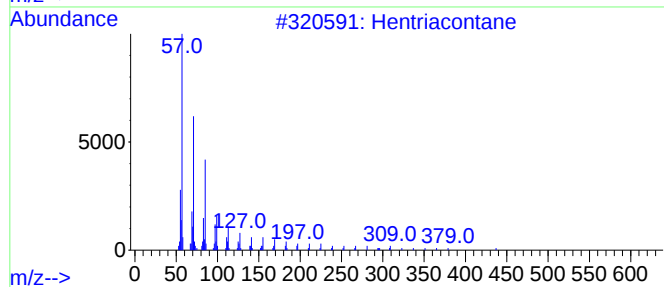
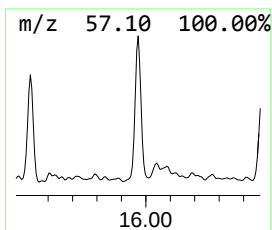
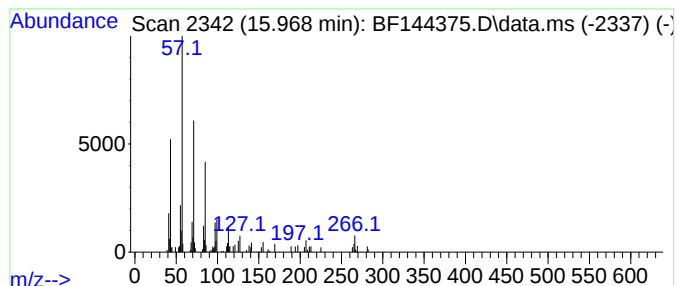
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Hentriacontane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.968	2.40 ng	58539	Perylene-d12	15.521

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hentriacontane	437	C31H64	000630-04-6	90
2			Octacosane	394	C28H58	000630-02-4	87
3			Tetratetracontane	619	C44H90	007098-22-8	87
4			Nonacosane	408	C29H60	000630-03-5	86
5			Eicosane, 1-iodo-	408	C20H41I	1000406-31-8	83



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112625\
Data File : BF144375.D
Acq On : 26 Nov 2025 22:13
Operator : RC/JU
Sample : Q3719-12
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-1125-16B

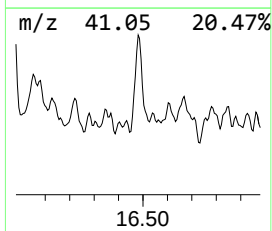
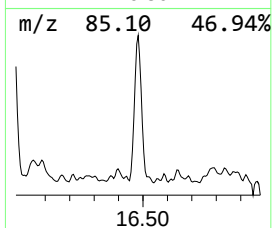
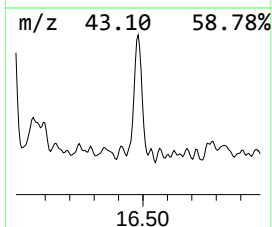
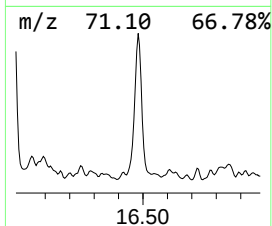
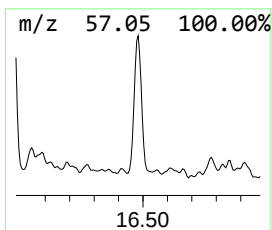
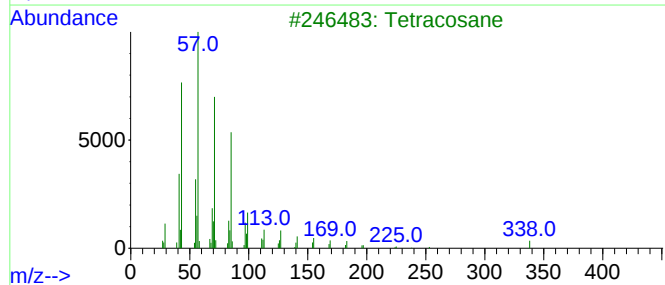
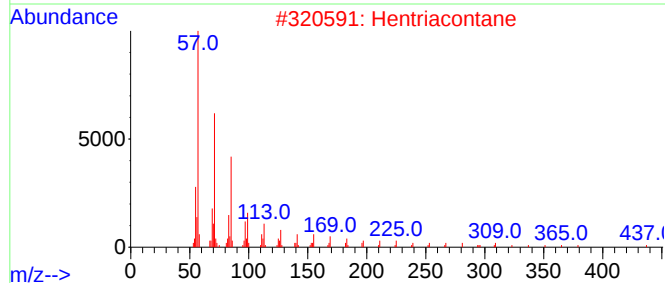
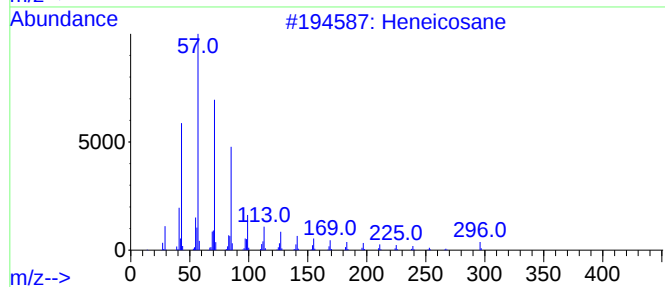
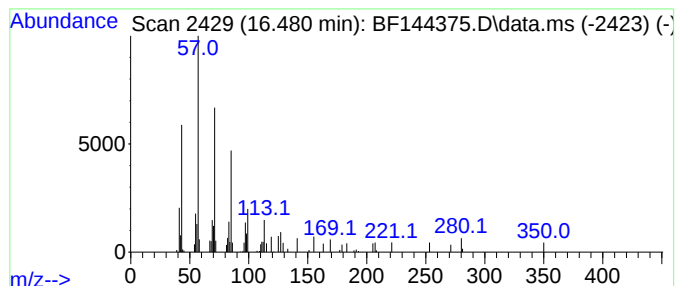
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 Heneicosane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.480	2.19 ng	53346	Perylene-d12	15.521

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heneicosane	296	C21H44	000629-94-7	87
2			Hentriacontane	437	C31H64	000630-04-6	87
3			Tetracosane	338	C24H50	000646-31-1	87
4			Octadecane, 1-iodo-	380	C18H37I	000629-93-6	87
5			Docosane	310	C22H46	000629-97-0	87



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112625\
Data File : BF144375.D
Acq On : 26 Nov 2025 22:13
Operator : RC/JU
Sample : Q3719-12
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-1125-16B

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Benzophenone	10.610	5.5	ng	116428	3	9.898	424616	20.0
Tridecanoic acid	11.916	7.4	ng	142324	4	11.392	384077	20.0
Tetracosyl hept...	13.880	3.8	ng	99733	5	14.039	530651	20.0
Hentriacontane	15.968	2.4	ng	58539	6	15.521	487852	20.0
Heneicosane	16.480	2.2	ng	53346	6	15.521	487852	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120225\
 Data File : BF144413.D
 Acq On : 02 Dec 2025 20:18
 Operator : RC/JU
 Sample : Q3719-13
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-1125-17A

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 12/03/2025
 Supervised By :Sohil Jodhani 12/03/2025

Quant Time: Dec 02 23:49:35 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 05 18:37:33 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	38060	20.000	ng	-0.01
21) Naphthalene-d8	8.145	136	134068	20.000	ng	-0.01
39) Acenaphthene-d10	9.898	164	71503	20.000	ng	-0.02
64) Phenanthrene-d10	11.392	188	142069	20.000	ng	-0.01
76) Chrysene-d12	14.045	240	101218	20.000	ng	0.00
86) Perylene-d12	15.533	264	83845	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	191784	78.854	ng	0.00
7) Phenol-d6	6.498	99	215365	78.149	ng	0.00
23) Nitrobenzene-d5	7.422	82	126256	54.390	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	68246	76.059	ng	-0.01
45) 2-Fluorobiphenyl	9.216	172	248707	51.372	ng	-0.01
79) Terphenyl-d14	12.980	244	341617	53.610	ng	-0.01
Target Compounds					Qvalue	
71) Phenanthrene	11.416	178	68562	9.693	ng	99
72) Anthracene	11.469	178	16600	2.308	ng	98
75) Fluoranthene	12.610	202	151729	20.765	ng	98
78) Pyrene	12.839	202	133509	16.359	ng	97
80) Butylbenzylphthalate	13.457	149	6876	2.431	ng	# 86
81) Benzo(a)anthracene	14.033	228	58967	8.406	ng	# 93
83) Chrysene	14.069	228	53954	8.331	ng	# 92
87) Indeno(1,2,3-cd)pyrene	17.033	276	20979	3.486	ng	96
88) Benzo(b)fluoranthene	15.098	252	48783m	10.234	ng	
89) Benzo(k)fluoranthene	15.110	252	20440m	4.581	ng	
90) Benzo(a)pyrene	15.468	252	33904	7.710	ng	# 85
92) Benzo(g,h,i)perylene	17.498	276	20002	4.190	ng	# 92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

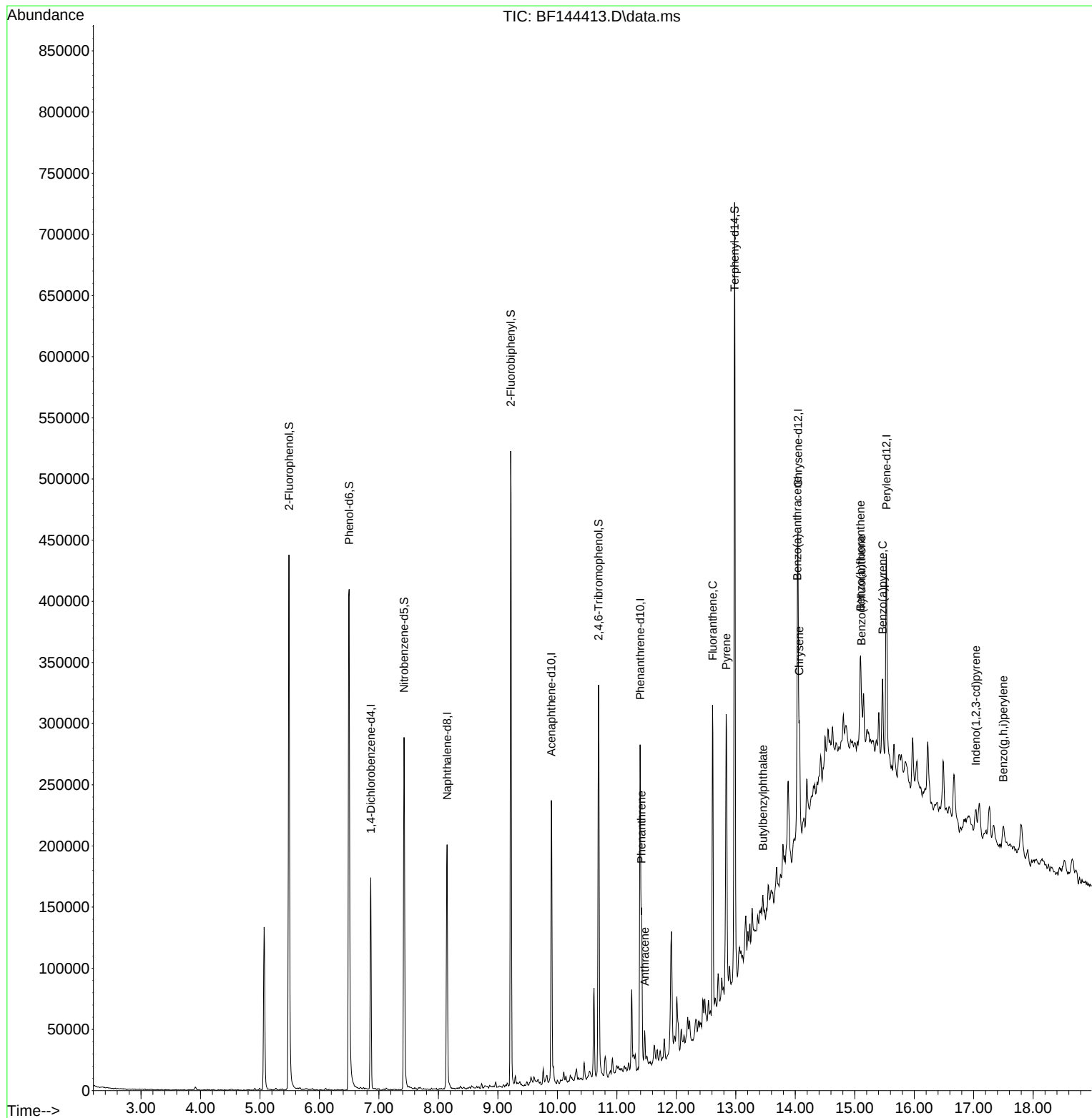
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120225\
Data File : BF144413.D
Acq On : 02 Dec 2025 20:18
Operator : RC/JU
Sample : Q3719-13
Misc :
ALS Vial : 16 Sample Multiplier: 1

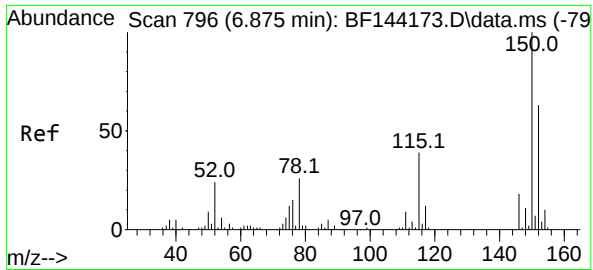
Instrument :
BNA_F
ClientSampleId :
SB-1125-17A

Quant Time: Dec 02 23:49:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 18:37:33 2025
Response via : Initial Calibration

Manual Integrations
APPROVED

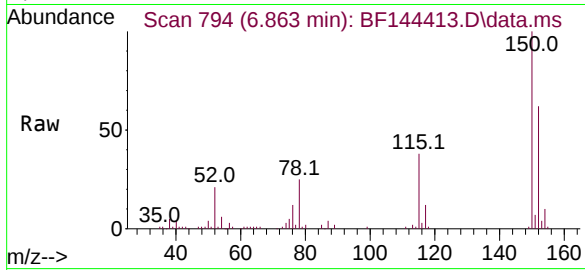
Reviewed By :Jagrut Upadhyay 12/03/2025
Supervised By :Sohil Jodhani 12/03/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 796
Delta R.T. -0.012 min
Lab File: BF144413.D
Acq: 02 Dec 2025 20:18

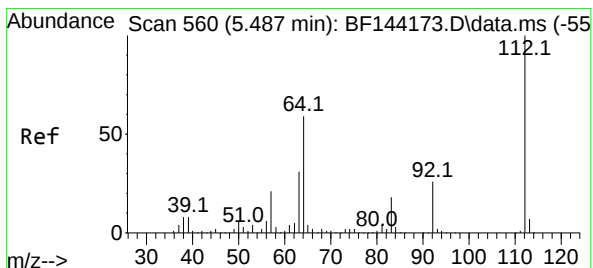
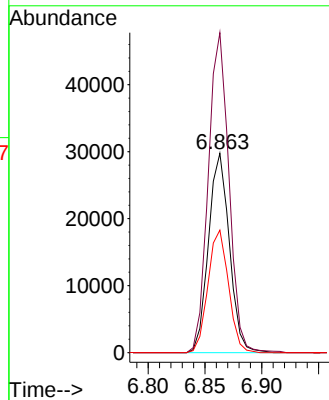
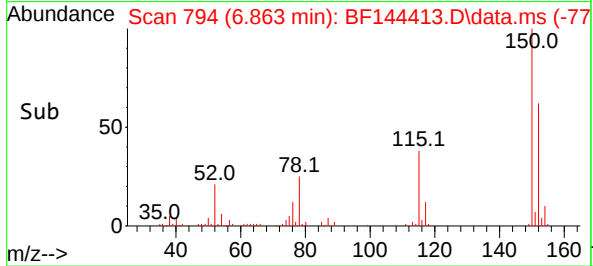
Instrument :
BNA_F
ClientSampleId :
SB-1125-17A



Tgt Ion:152 Resp: 38060
Ion Ratio Lower Upper
152 100
150 160.6 127.4 191.0
115 61.4 49.5 74.3

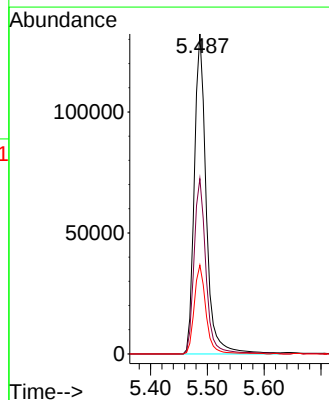
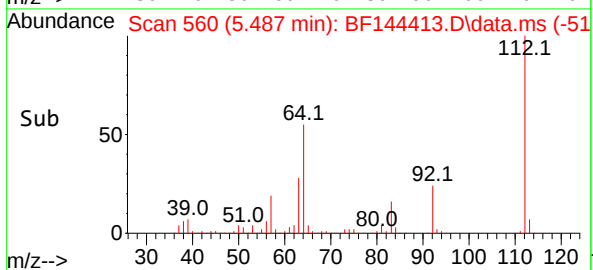
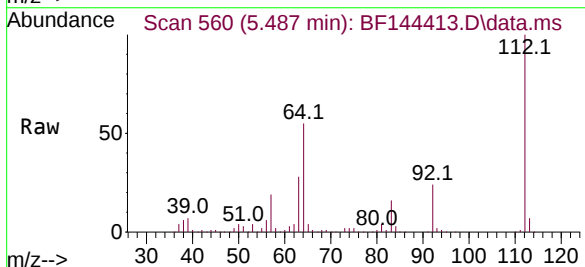
Manual Integrations
APPROVED

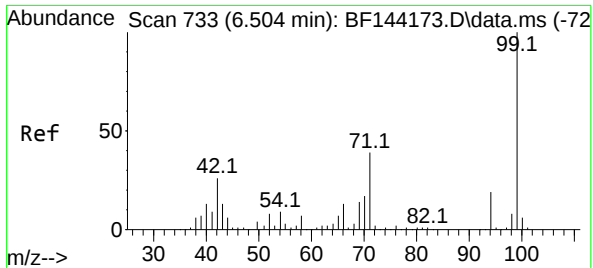
Reviewed By :Jagrut Upadhyay 12/03/2025
Supervised By :Sohil Jodhani 12/03/2025



#5
2-Fluorophenol
Concen: 78.854 ng
RT: 5.487 min Scan# 560
Delta R.T. -0.006 min
Lab File: BF144413.D
Acq: 02 Dec 2025 20:18

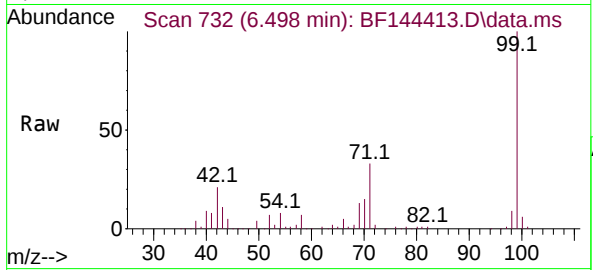
Tgt Ion:112 Resp: 191784
Ion Ratio Lower Upper
112 100
64 54.8 47.2 70.8
63 27.7 24.4 36.6





#7
Phenol-d6
Concen: 78.149 ng
RT: 6.498 min Scan# 733
Delta R.T. -0.000 min
Lab File: BF144413.D
Acq: 02 Dec 2025 20:18

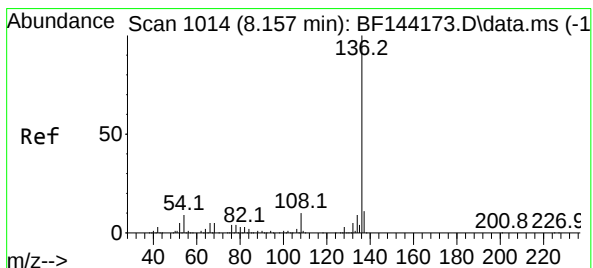
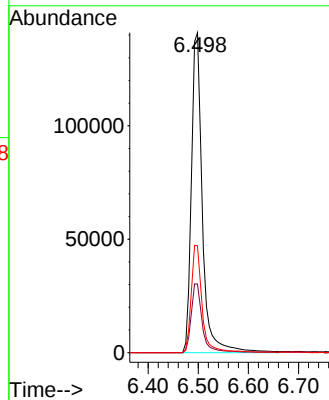
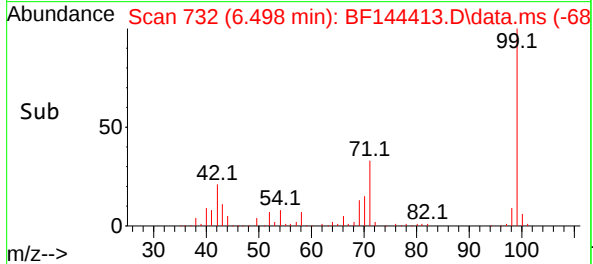
Instrument :
BNA_F
ClientSampleId :
SB-1125-17A



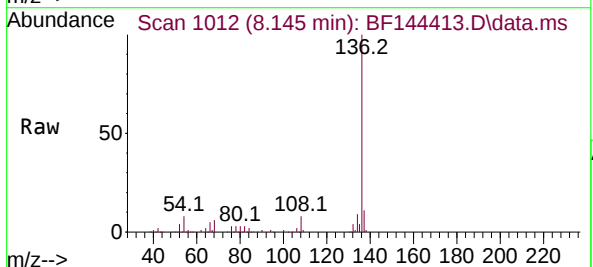
Tgt Ion: 99 Resp: 215368
Ion Ratio Lower Upper
99 100
42 21.4 20.9 31.3
71 33.4 31.4 47.2

Manual Integrations
APPROVED

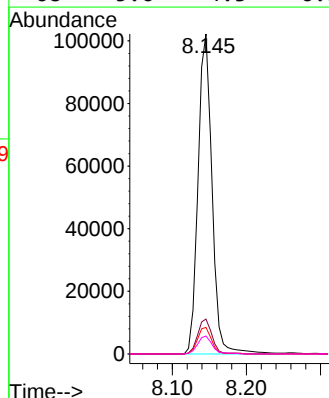
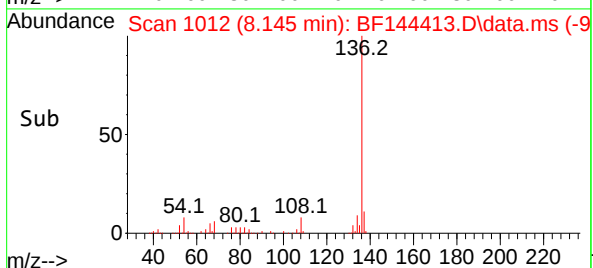
Reviewed By :Jagrut Upadhyay 12/03/2025
Supervised By :Sohil Jodhani 12/03/2025

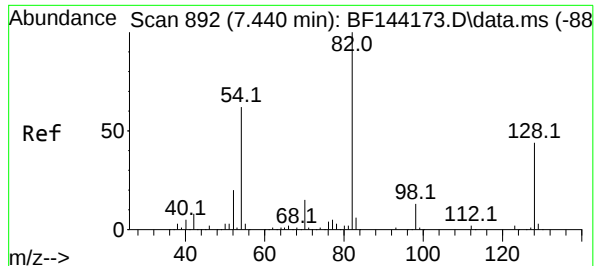


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1012
Delta R.T. -0.012 min
Lab File: BF144413.D
Acq: 02 Dec 2025 20:18



Tgt Ion:136 Resp: 134068
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 8.3 7.0 10.6
68 5.6 4.3 6.5





#23

Nitrobenzene-d5

Concen: 54.390 ng

RT: 7.422 min Scan# 88

Delta R.T. -0.012 min

Lab File: BF144413.D

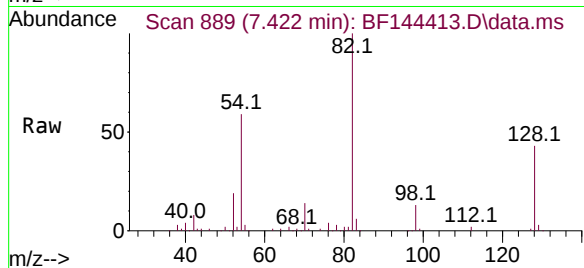
Acq: 02 Dec 2025 20:18

Instrument :

BNA_F

ClientSampleId :

SB-1125-17A



Tgt Ion: 82 Resp: 126256

Ion Ratio Lower Upper

82 100

128 43.3 34.7 52.1

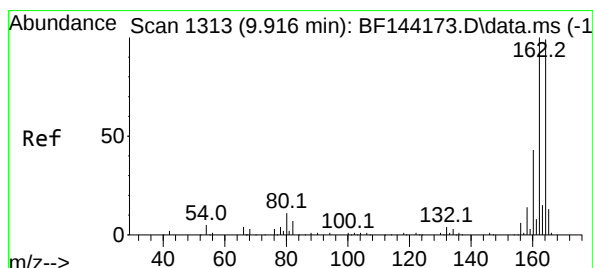
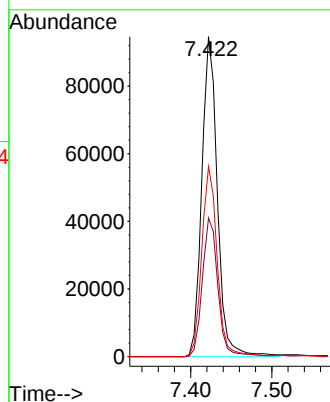
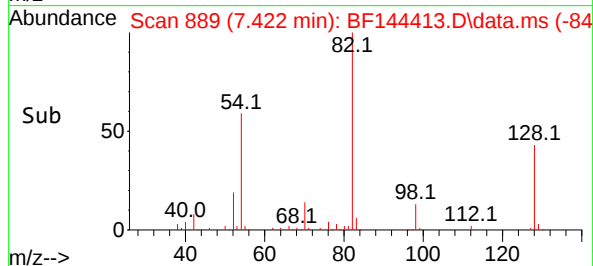
54 59.4 49.5 74.3

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/03/2025

Supervised By :Sohil Jodhani 12/03/2025



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.898 min Scan# 1310

Delta R.T. -0.018 min

Lab File: BF144413.D

Acq: 02 Dec 2025 20:18

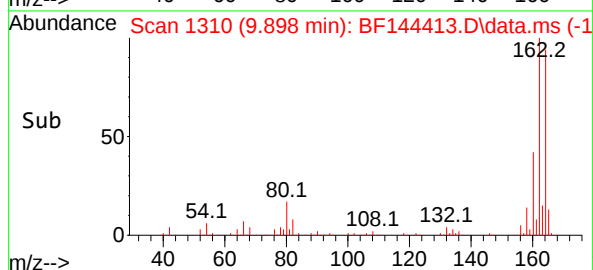
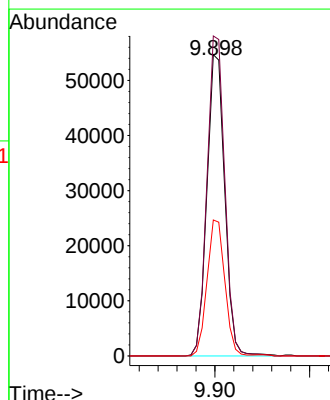
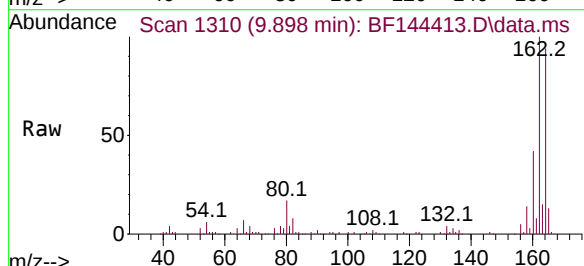
Tgt Ion:164 Resp: 71503

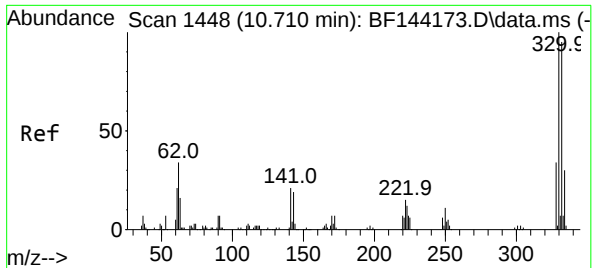
Ion Ratio Lower Upper

164 100

162 106.2 81.1 121.7

160 45.1 34.5 51.7





#42
2,4,6-Tribromophenol
Concen: 76.059 ng
RT: 10.692 min Scan# 1445
Delta R.T. -0.012 min
Lab File: BF144413.D
Acq: 02 Dec 2025 20:18

Instrument :

BNA_F

ClientSampleId :

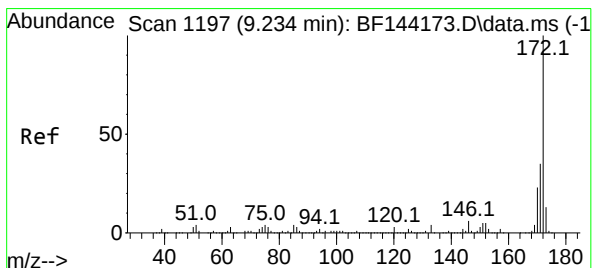
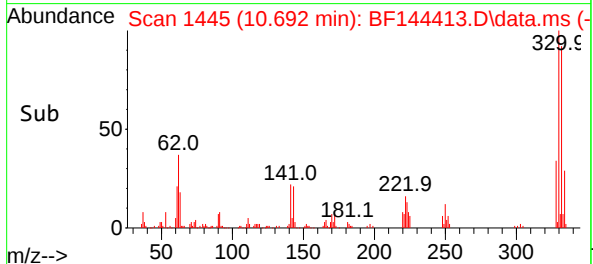
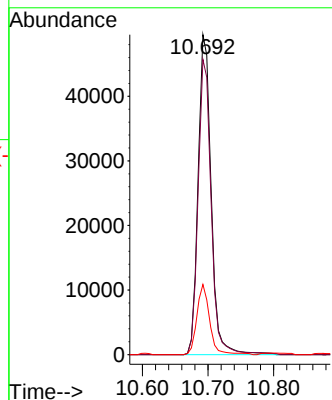
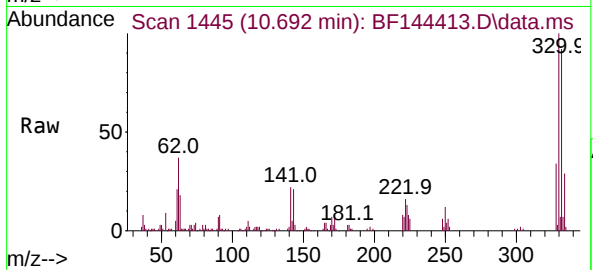
SB-1125-17A

Tgt Ion:330 Resp: 68246
Ion Ratio Lower Upper
330 100
332 92.5 76.7 115.1
141 21.5 17.8 26.8

Manual Integrations

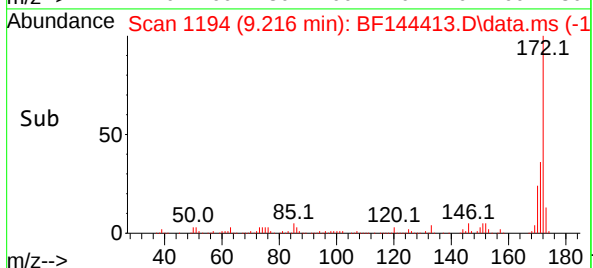
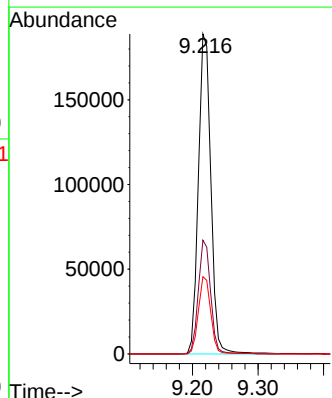
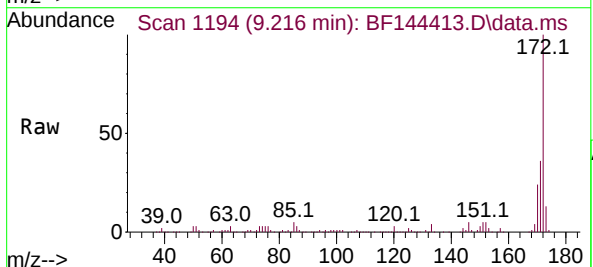
APPROVED

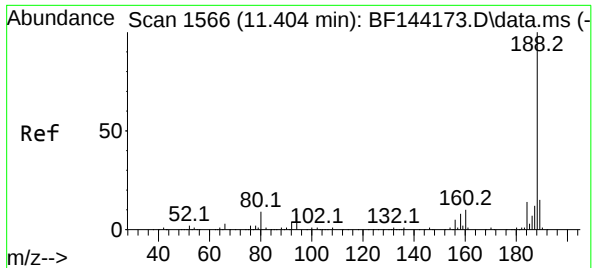
Reviewed By :Jagrut Upadhyay 12/03/2025
Supervised By :Sohil Jodhani 12/03/2025



#45
2-Fluorobiphenyl
Concen: 51.372 ng
RT: 9.216 min Scan# 1194
Delta R.T. -0.012 min
Lab File: BF144413.D
Acq: 02 Dec 2025 20:18

Tgt Ion:172 Resp: 248707
Ion Ratio Lower Upper
172 100
171 35.5 28.1 42.1
170 24.1 18.6 28.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.392 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF144413.D

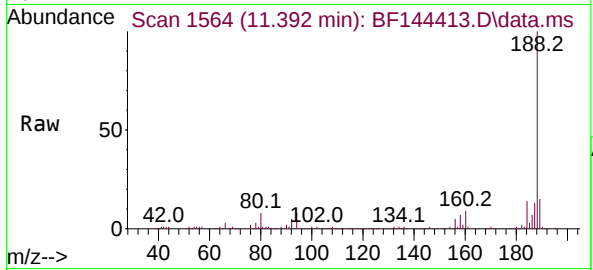
Acq: 02 Dec 2025 20:18

Instrument :

BNA_F

ClientSampleId :

SB-1125-17A



Tgt Ion:188 Resp: 142069

Ion Ratio Lower Upper

188 100

94 8.0 6.2 9.2

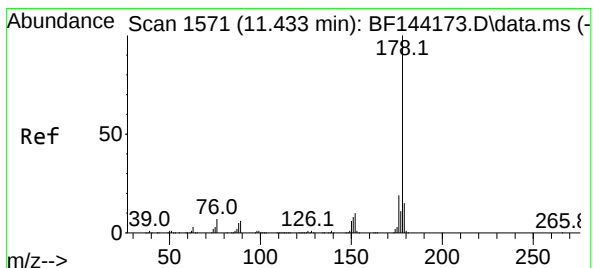
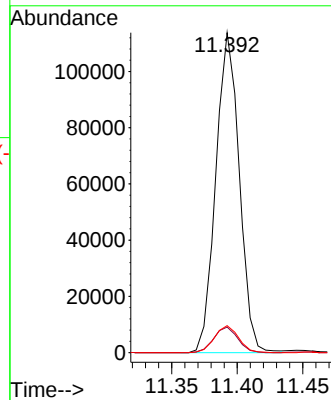
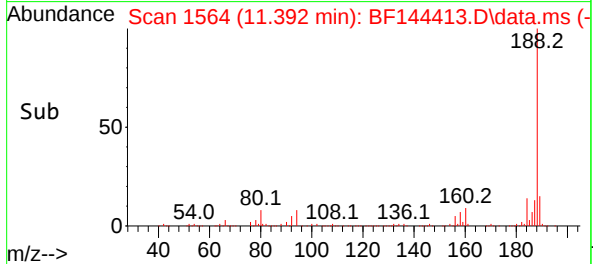
80 8.4 6.9 10.3

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/03/2025

Supervised By :Sohil Jodhani 12/03/2025



#71

Phenanthrene

Concen: 9.693 ng

RT: 11.416 min Scan# 1568

Delta R.T. -0.012 min

Lab File: BF144413.D

Acq: 02 Dec 2025 20:18

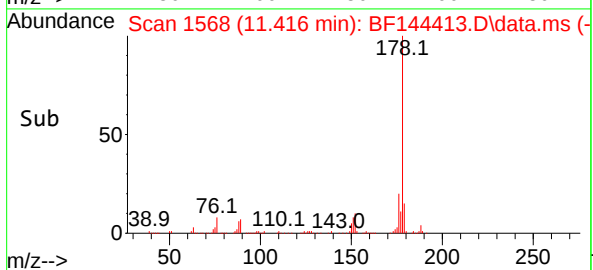
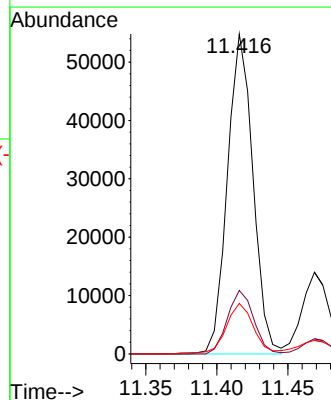
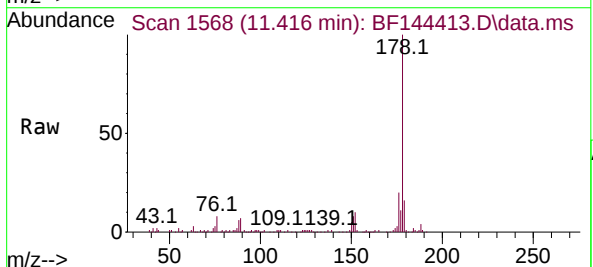
Tgt Ion:178 Resp: 68562

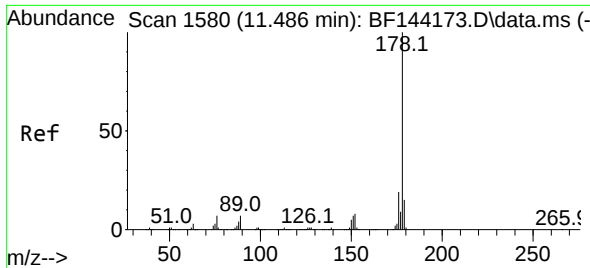
Ion Ratio Lower Upper

178 100

176 19.8 15.5 23.3

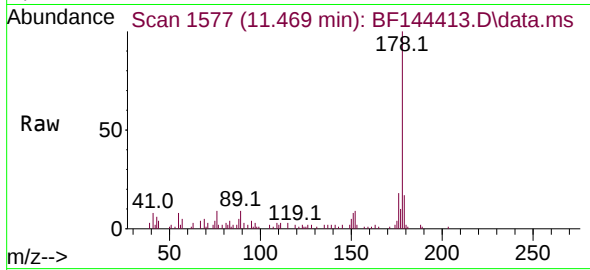
179 15.8 12.2 18.4





#72
 Anthracene
 Concen: 2.308 ng
 RT: 11.469 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF144413.D
 Acq: 02 Dec 2025 20:18

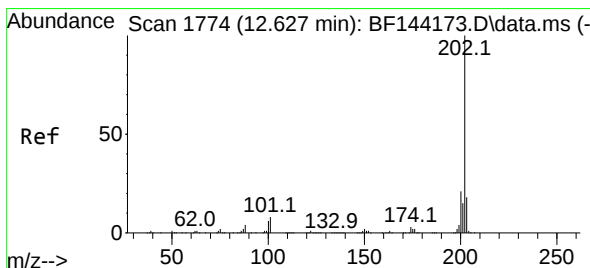
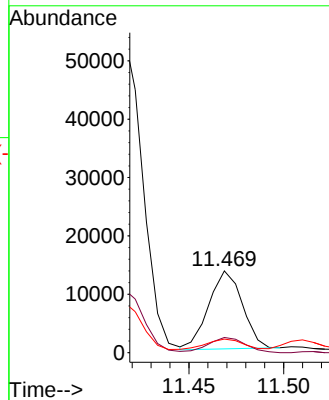
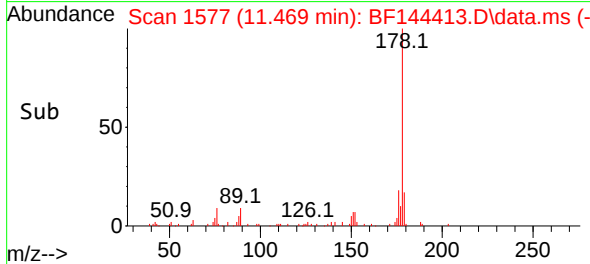
Instrument :
 BNA_F
 ClientSampleId :
 SB-1125-17A



Tgt Ion:178 Resp: 16600
 Ion Ratio Lower Upper
 178 100
 176 18.5 15.3 22.9
 179 16.6 12.0 18.0

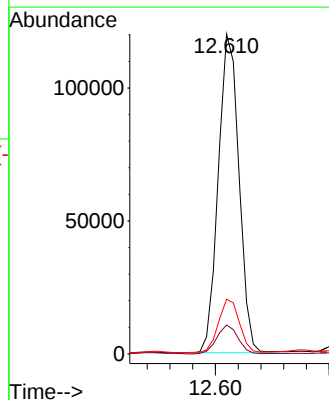
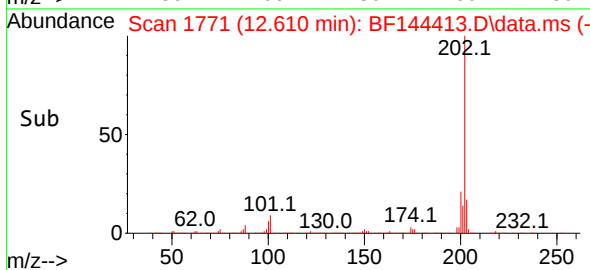
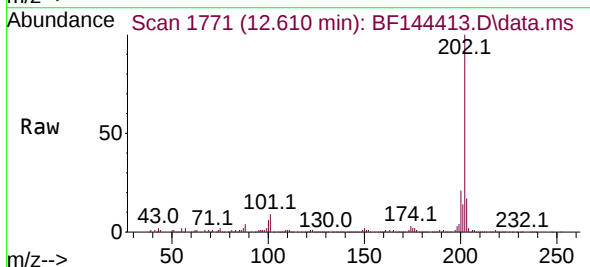
Manual Integrations
 APPROVED

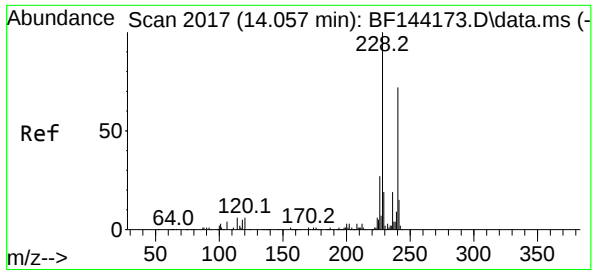
Reviewed By :Jagrut Upadhyay 12/03/2025
 Supervised By :Sohil Jodhani 12/03/2025



#75
 Fluoranthene
 Concen: 20.765 ng
 RT: 12.610 min Scan# 1771
 Delta R.T. -0.012 min
 Lab File: BF144413.D
 Acq: 02 Dec 2025 20:18

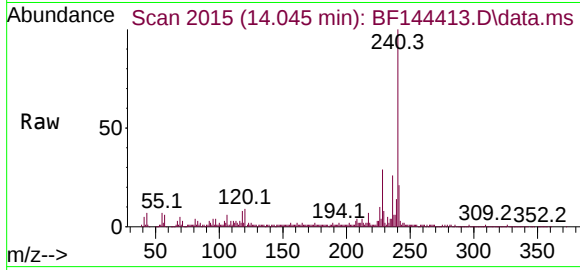
Tgt Ion:202 Resp: 151729
 Ion Ratio Lower Upper
 202 100
 101 9.0 0.0 27.9
 203 17.1 0.0 37.5





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2017
Delta R.T. -0.006 min
Lab File: BF144413.D
Acq: 02 Dec 2025 20:18

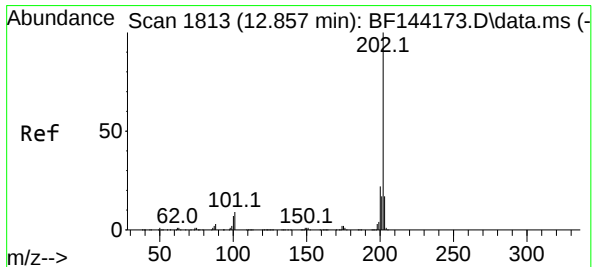
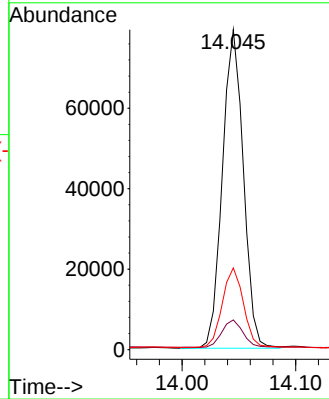
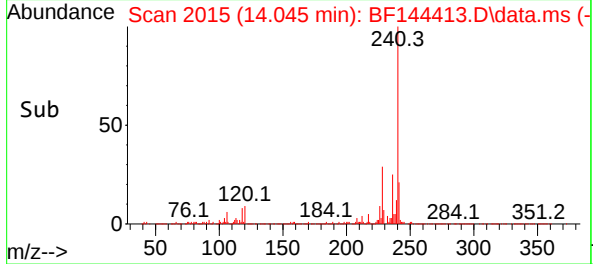
Instrument :
BNA_F
ClientSampleId :
SB-1125-17A



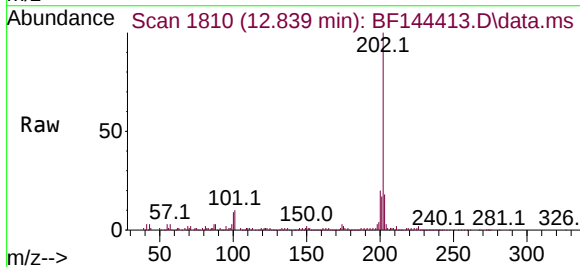
Tgt Ion:240 Resp: 101218
Ion Ratio Lower Upper
240 100
120 9.3 6.6 10.0
236 25.5 21.4 32.2

Manual Integrations
APPROVED

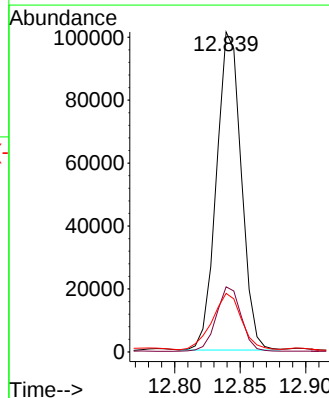
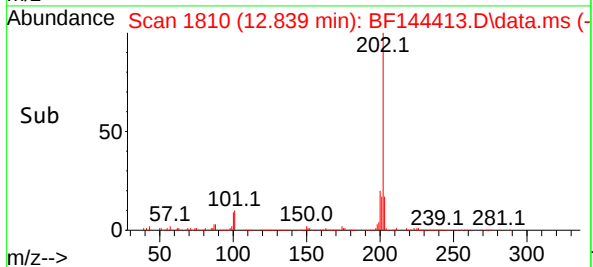
Reviewed By :Jagrut Upadhyay 12/03/2025
Supervised By :Sohil Jodhani 12/03/2025

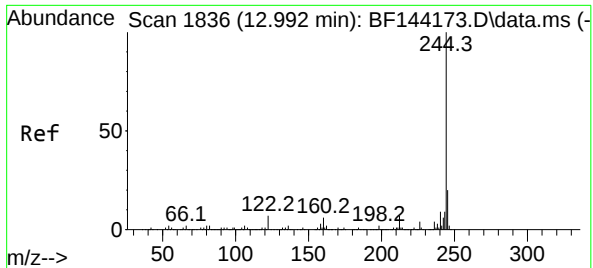


#78
Pyrene
Concen: 16.359 ng
RT: 12.839 min Scan# 1810
Delta R.T. -0.012 min
Lab File: BF144413.D
Acq: 02 Dec 2025 20:18



Tgt Ion:202 Resp: 133509
Ion Ratio Lower Upper
202 100
200 20.3 17.2 25.8
203 18.3 13.7 20.5





#79

Terphenyl-d14

Concen: 53.610 ng

RT: 12.980 min Scan# 1836

Delta R.T. -0.012 min

Lab File: BF144413.D

Acq: 02 Dec 2025 20:18

Instrument :

BNA_F

ClientSampleId :

SB-1125-17A

Tgt Ion:244 Resp: 34161

Ion Ratio Lower Upper

244 100

212 6.1 5.3 7.9

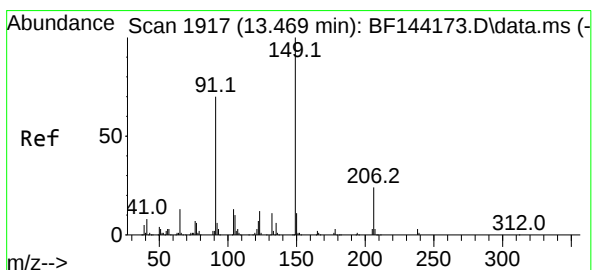
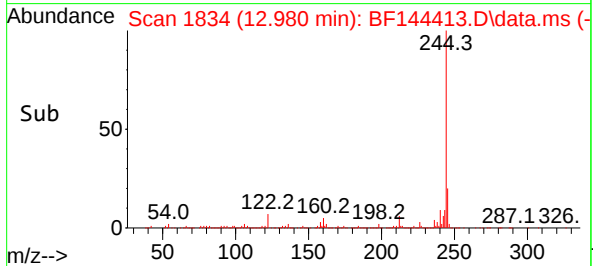
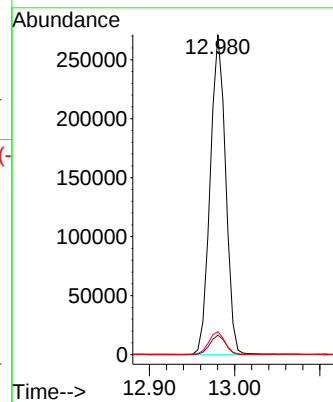
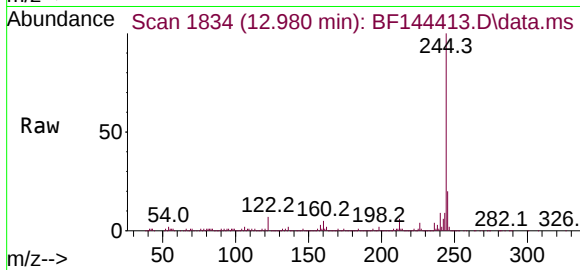
122 7.2 5.6 8.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/03/2025

Supervised By :Sohil Jodhani 12/03/2025



#80

Butylbenzylphthalate

Concen: 2.431 ng

RT: 13.457 min Scan# 1915

Delta R.T. -0.012 min

Lab File: BF144413.D

Acq: 02 Dec 2025 20:18

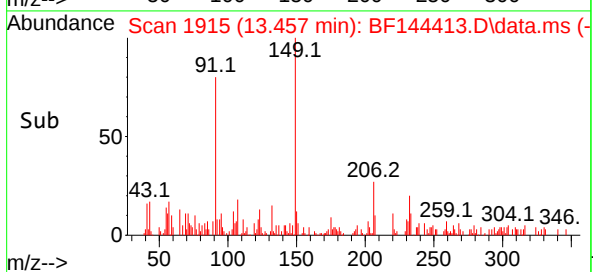
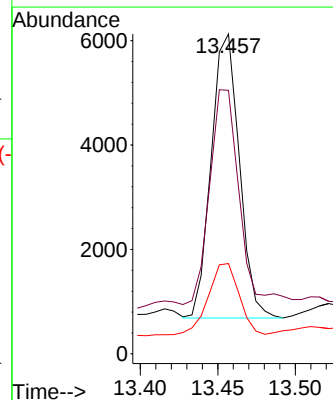
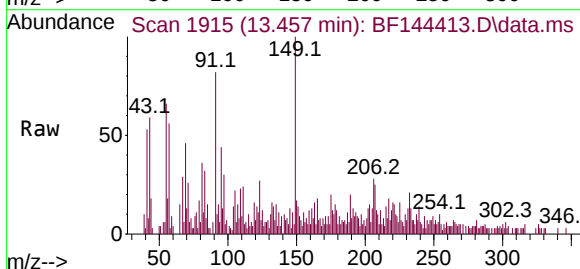
Tgt Ion:149 Resp: 6876

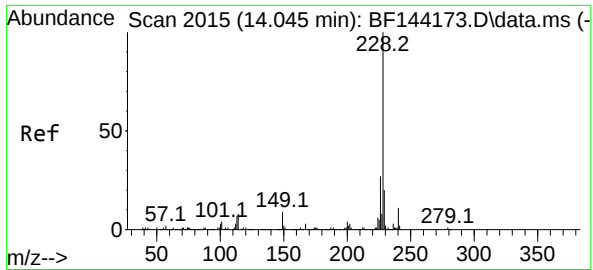
Ion Ratio Lower Upper

149 100

91 82.4 56.1 84.1

206 28.2 18.8 28.2#





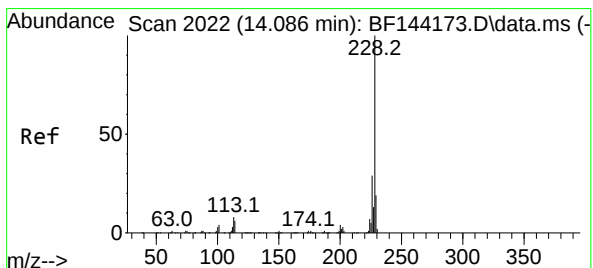
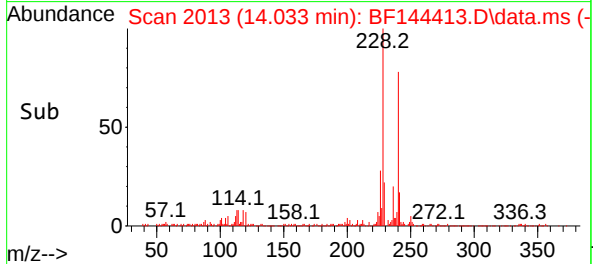
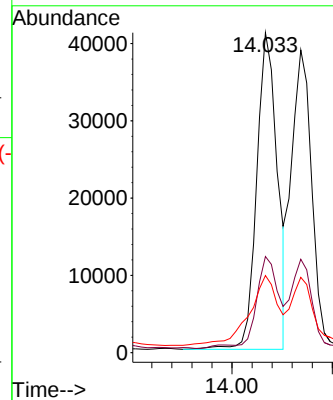
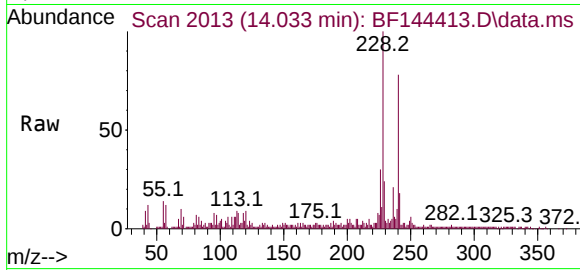
#81
Benzo(a)anthracene
Concen: 8.406 ng
RT: 14.033 min Scan# 2013
Delta R.T. -0.012 min
Lab File: BF144413.D
Acq: 02 Dec 2025 20:18

Instrument :
BNA_F
ClientSampleId :
SB-1125-17A

Tgt Ion:228 Resp: 58962
Ion Ratio Lower Upper
228 100
226 30.0 21.8 32.8
229 24.1 15.8 23.6

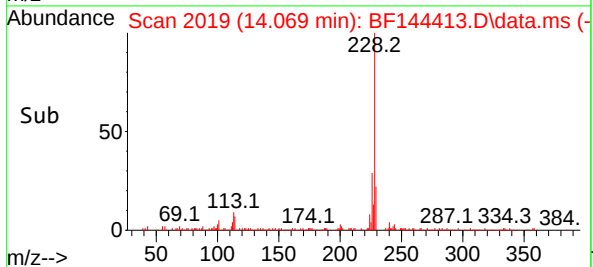
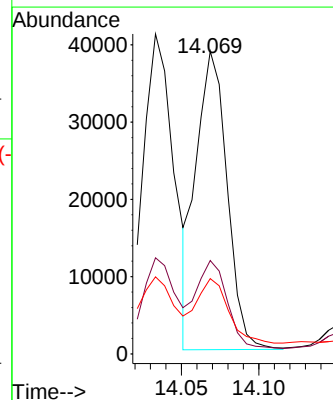
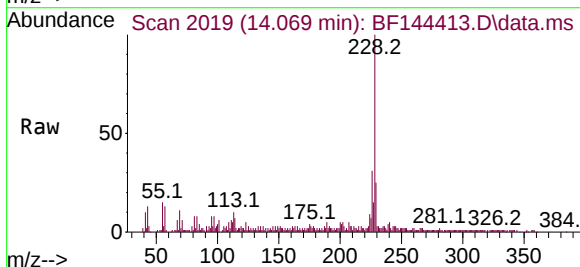
Manual Integrations
APPROVED

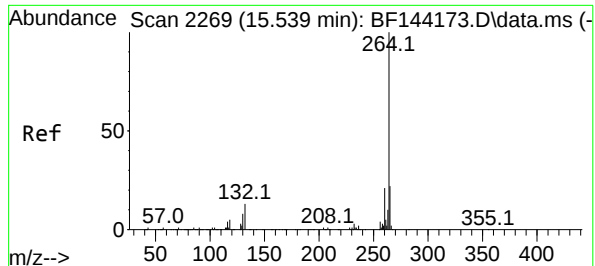
Reviewed By :Jagrut Upadhyay 12/03/2025
Supervised By :Sohil Jodhani 12/03/2025



#83
Chrysene
Concen: 8.331 ng
RT: 14.069 min Scan# 2019
Delta R.T. -0.012 min
Lab File: BF144413.D
Acq: 02 Dec 2025 20:18

Tgt Ion:228 Resp: 53954
Ion Ratio Lower Upper
228 100
226 30.9 22.9 34.3
229 24.8 15.0 22.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.533 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF144413.D

Acq: 02 Dec 2025 20:18

Instrument :

BNA_F

ClientSampleId :

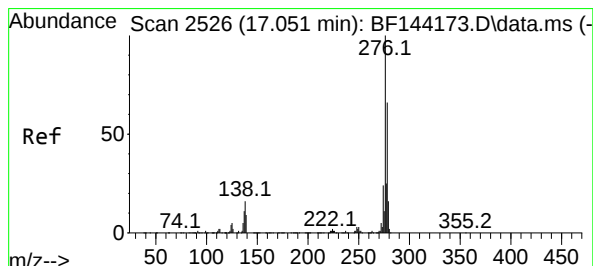
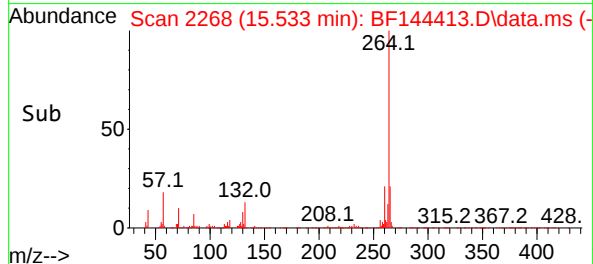
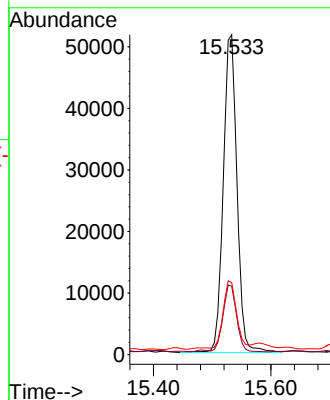
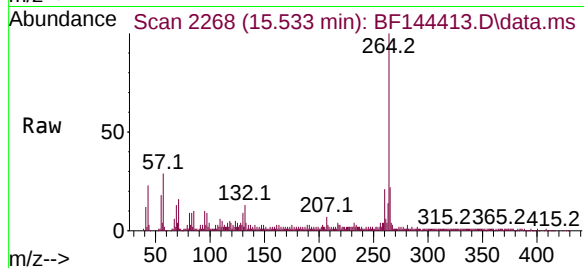
SB-1125-17A

Tgt Ion:	264	Resp:	83845
Ion Ratio	Lower	Upper	
264	100		
260	21.4	17.1	25.7
265	22.5	17.4	26.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/03/2025
Supervised By :Sohil Jodhani 12/03/2025



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.486 ng

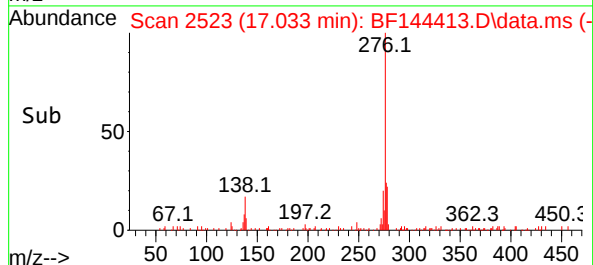
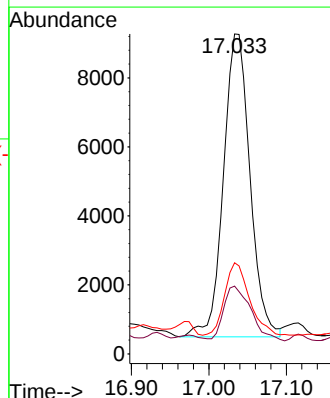
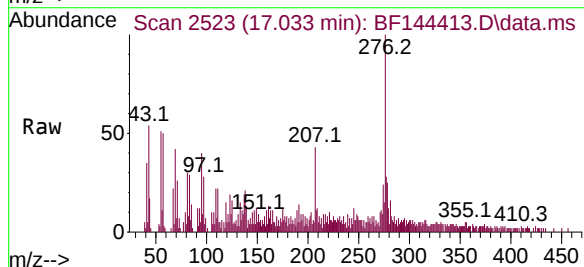
RT: 17.033 min Scan# 2523

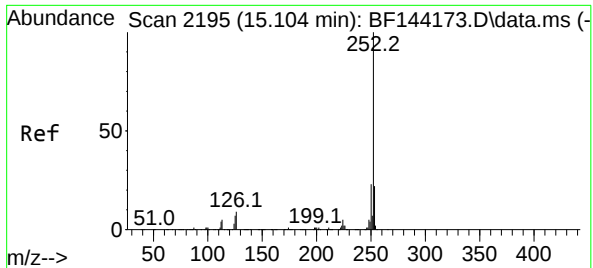
Delta R.T. -0.000 min

Lab File: BF144413.D

Acq: 02 Dec 2025 20:18

Tgt Ion:	276	Resp:	20979
Ion Ratio	Lower	Upper	
276	100		
138	18.6	13.9	20.9
277	22.5	19.8	29.6





#88

Benzo(b)fluoranthene

Concen: 10.234 ng m

RT: 15.098 min Scan# 2194

Delta R.T. -0.000 min

Lab File: BF144413.D

Acq: 02 Dec 2025 20:18

Instrument :

BNA_F

ClientSampleId :

SB-1125-17A

Tgt Ion:252 Resp: 48783

Ion Ratio Lower Upper

252 100

253 27.5 17.4 26.2

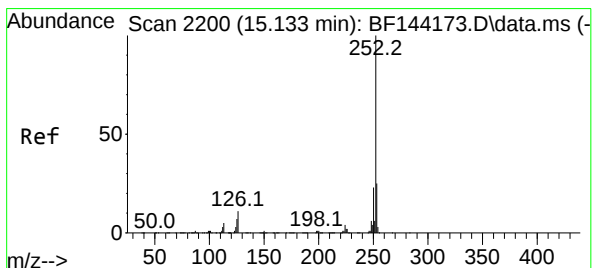
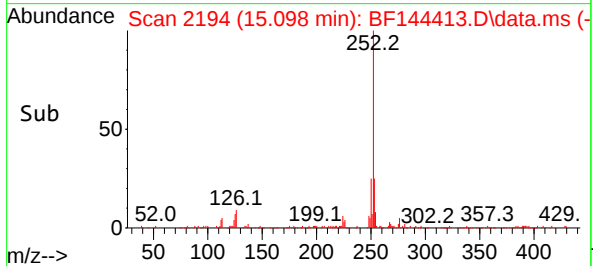
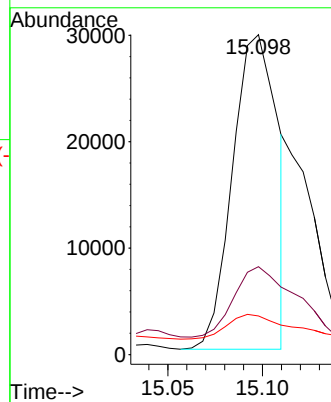
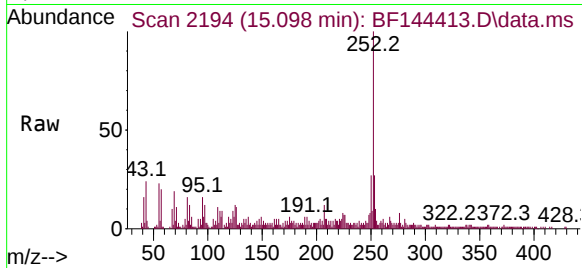
125 12.1 5.3 7.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/03/2025

Supervised By :Sohil Jodhani 12/03/2025



#89

Benzo(k)fluoranthene

Concen: 4.581 ng m

RT: 15.110 min Scan# 2196

Delta R.T. -0.018 min

Lab File: BF144413.D

Acq: 02 Dec 2025 20:18

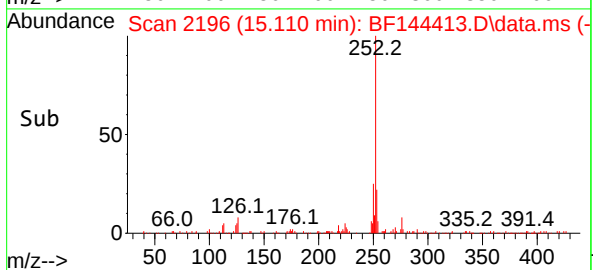
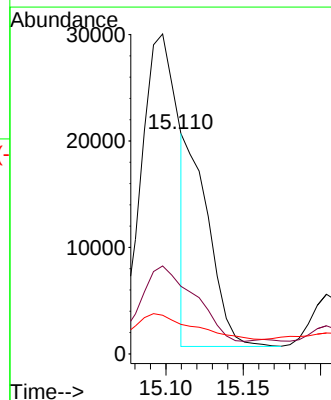
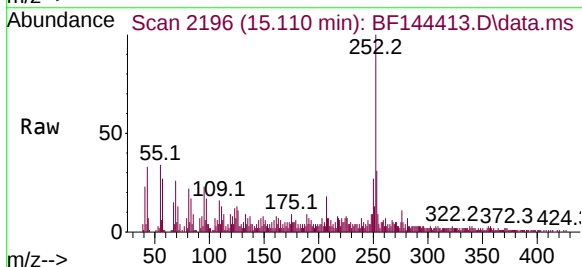
Tgt Ion:252 Resp: 20440

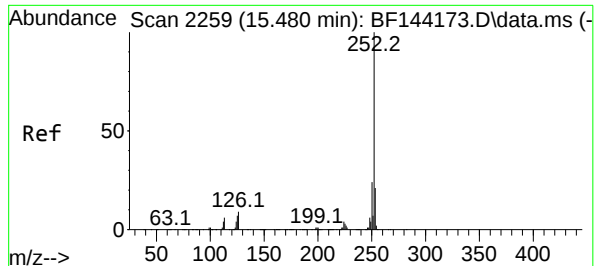
Ion Ratio Lower Upper

252 100

253 30.7 18.0 27.0#

125 13.4 5.4 8.2#





#90

Benzo(a)pyrene

Concen: 7.710 ng

RT: 15.468 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF144413.D

Acq: 02 Dec 2025 20:18

Instrument :

BNA_F

ClientSampleId :

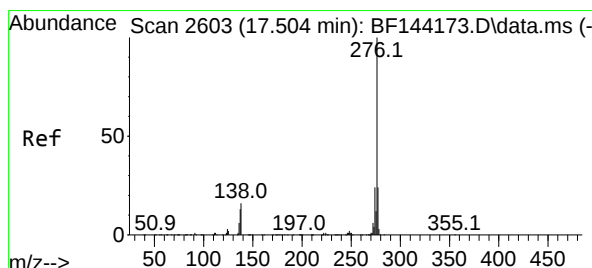
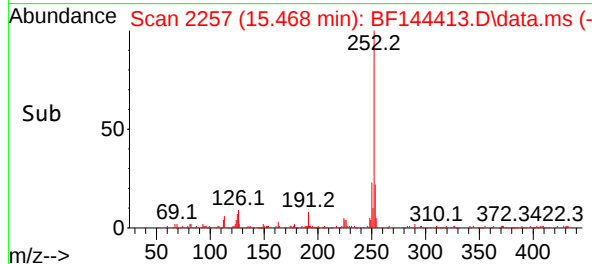
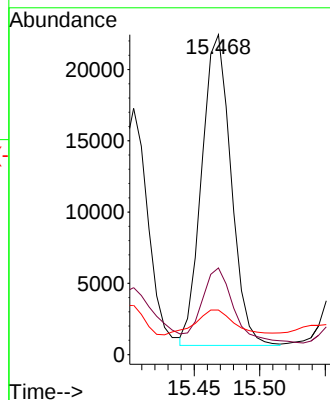
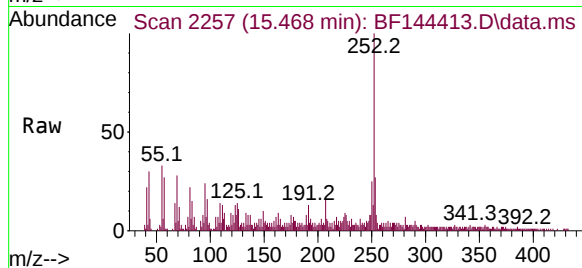
SB-1125-17A

Tgt Ion:	252	Resp:	33904
Ion Ratio	Lower	Upper	
252	100		
253	27.1	16.7	25.1
125	13.9	5.7	8.5

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/03/2025
 Supervised By :Sohil Jodhani 12/03/2025



#92

Benzo(g,h,i)perylene

Concen: 4.190 ng

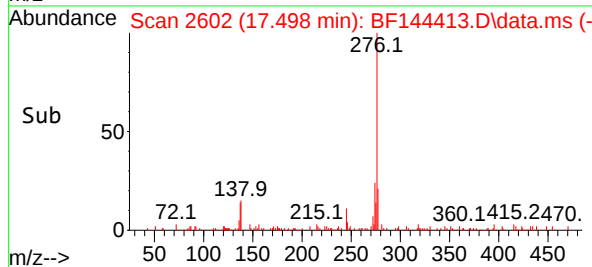
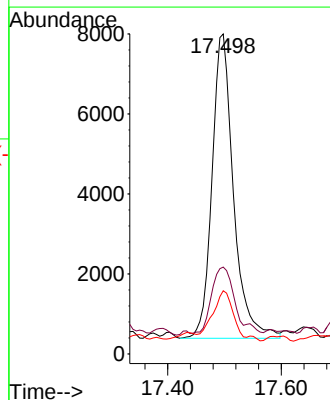
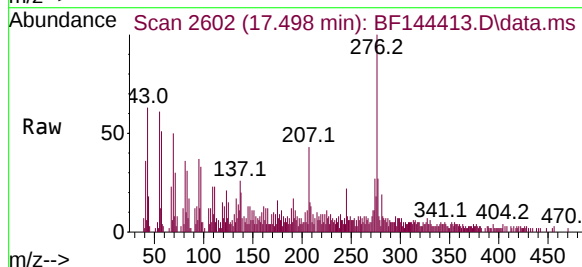
RT: 17.498 min Scan# 2602

Delta R.T. 0.006 min

Lab File: BF144413.D

Acq: 02 Dec 2025 20:18

Tgt Ion:	276	Resp:	20002
Ion Ratio	Lower	Upper	
276	100		
277	27.1	19.0	28.4
138	19.7	12.9	19.3



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120225\
 Data File : BF144413.D
 Acq On : 02 Dec 2025 20:18
 Operator : RC/JU
 Sample : Q3719-13
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-1125-17A

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF144413.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.069	483	489	499	rBV	132969	196431	23.67%	2.664%
2	5.487	555	560	580	rVB	436290	618614	74.54%	8.391%
3	6.498	726	732	748	rBV	409055	621298	74.87%	8.427%
4	6.863	789	794	802	rBV	172780	216505	26.09%	2.937%
5	7.422	884	889	900	rBV	287581	382099	46.04%	5.183%
6	8.145	1004	1012	1024	rBV	199927	271495	32.72%	3.682%
7	9.216	1189	1194	1203	rBV	518976	663470	79.95%	8.999%
8	9.292	1203	1207	1211	rVV2	6463	8506	1.02%	0.115%
9	9.557	1245	1252	1257	rBV10	6581	14010	1.69%	0.190%
10	9.763	1283	1287	1291	rBV	12598	16496	1.99%	0.224%
11	9.822	1291	1297	1302	rVV4	7142	15650	1.89%	0.212%
12	9.898	1303	1310	1315	rVV	231717	313730	37.81%	4.255%
13	9.934	1315	1316	1325	rVB3	13894	14499	1.75%	0.197%
14	10.322	1375	1382	1386	rBV6	9197	18029	2.17%	0.245%
15	10.451	1399	1404	1410	rBV2	13982	21929	2.64%	0.297%
16	10.539	1416	1419	1426	rVB7	4598	8639	1.04%	0.117%
17	10.616	1427	1432	1438	rBV	72410	94758	11.42%	1.285%
18	10.692	1440	1445	1459	rVB	319504	431473	51.99%	5.852%
19	10.804	1460	1464	1472	rVB3	16983	32137	3.87%	0.436%
20	10.892	1473	1479	1481	rBV6	5121	8791	1.06%	0.119%
21	10.928	1481	1485	1491	rBV	12673	17985	2.17%	0.244%
22	11.251	1535	1540	1543	rBV	64886	85834	10.34%	1.164%
23	11.392	1559	1564	1573	rBV2	265236	498352	60.05%	6.759%
24	11.469	1573	1577	1581	rVV	24250	30028	3.62%	0.407%
25	11.628	1601	1604	1609	rBV2	11814	17812	2.15%	0.242%
26	11.798	1629	1633	1638	rVB2	16698	22811	2.75%	0.309%
27	11.916	1646	1653	1659	rBV2	97782	180124	21.71%	2.443%
28	12.010	1665	1669	1677	rVB3	43894	85715	10.33%	1.163%
29	12.086	1678	1682	1686	rBV5	16241	27593	3.33%	0.374%
30	12.192	1697	1700	1703	rBV	13854	16546	1.99%	0.224%
31	12.445	1740	1743	1746	rBV	22469	30723	3.70%	0.417%
32	12.539	1756	1759	1762	rBV	16437	21423	2.58%	0.291%
33	12.610	1767	1771	1776	rBV	253940	325775	39.26%	4.419%
34	12.704	1784	1787	1792	rBV2	24493	34466	4.15%	0.467%
35	12.839	1804	1810	1816	rBV	229281	362113	43.64%	4.912%
36	12.980	1829	1834	1842	rVB	632566	829857	100.00%	11.256%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120225\
Data File : BF144413.D
Acq On : 02 Dec 2025 20:18
Operator : RC/JU
Sample : Q3719-13
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-1125-17A

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	14.045	2010	2015	2026	rVB2	245830	505374	60.90%	6.855%
38	15.533	2264	2268	2281	rVB2	175423	311601	37.55%	4.226%

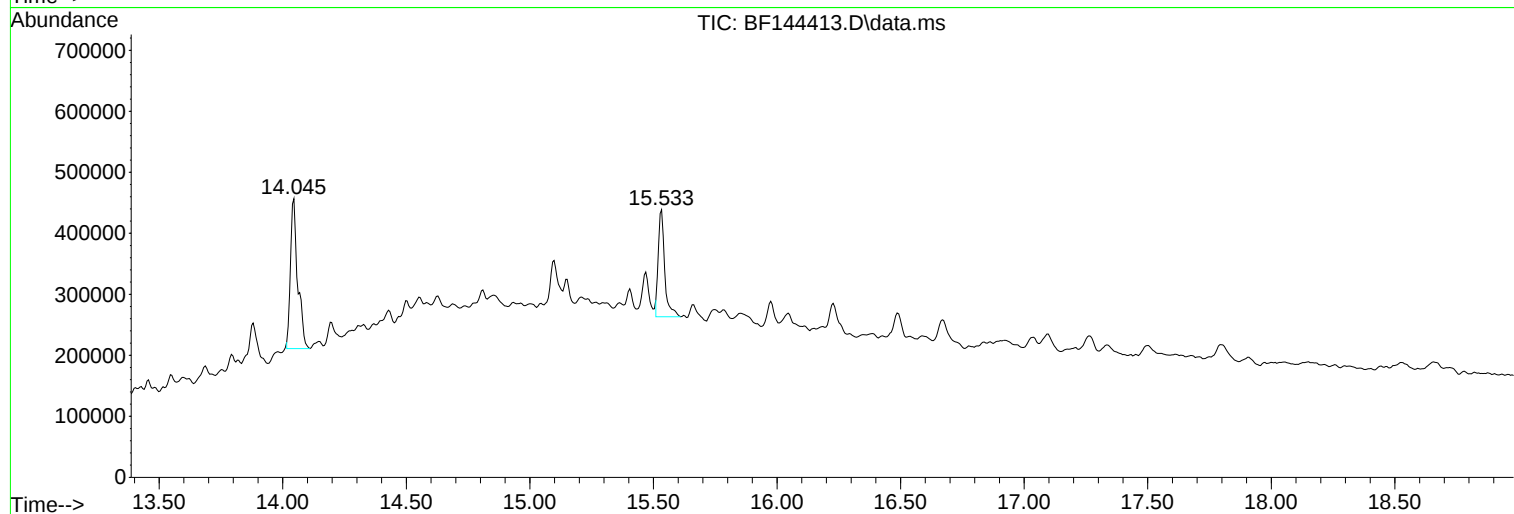
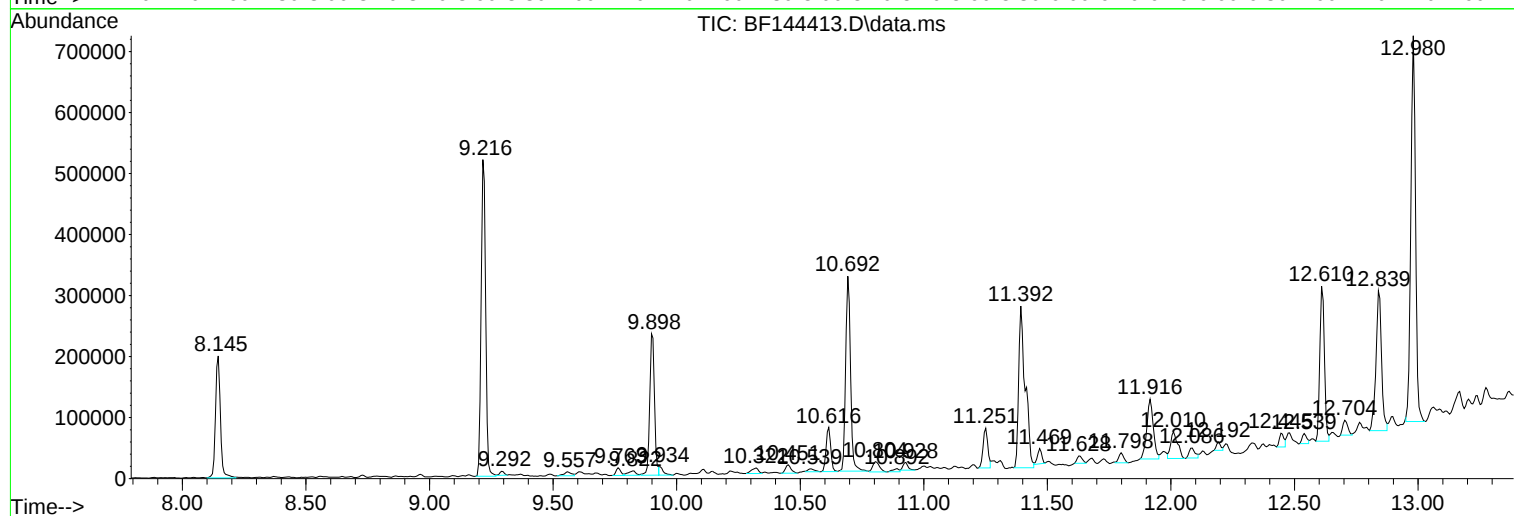
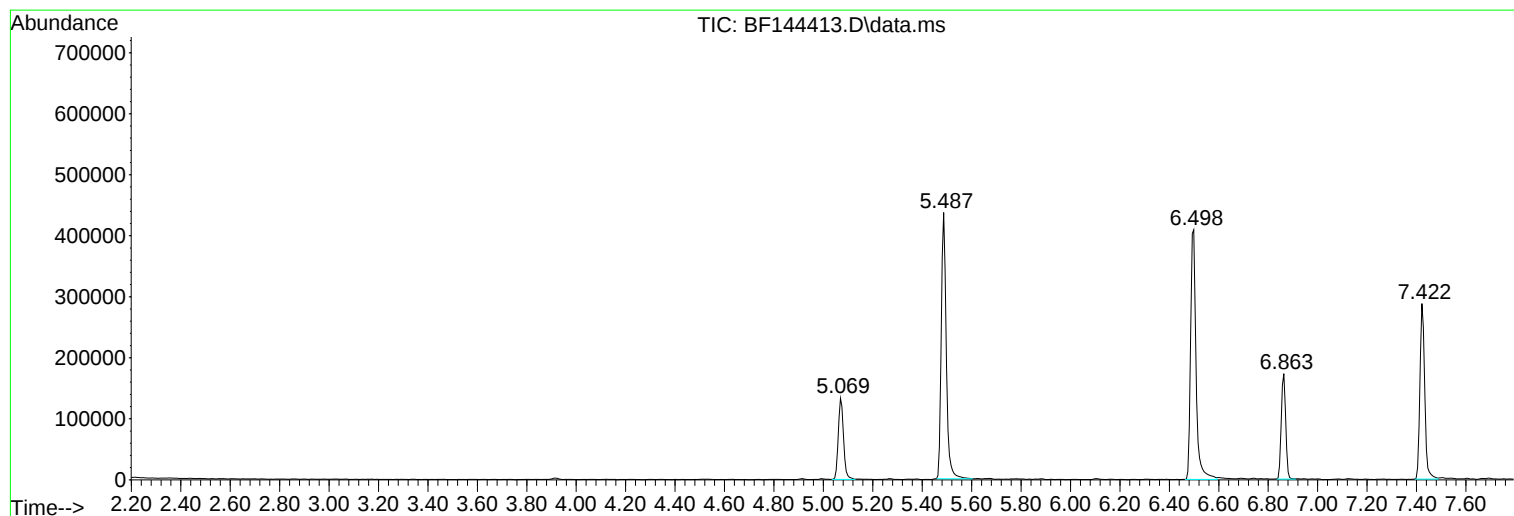
Sum of corrected areas: 7372691

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120225\
Data File : BF144413.D
Acq On : 02 Dec 2025 20:18
Operator : RC/JU
Sample : Q3719-13
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-1125-17A

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120225\
Data File : BF144413.D
Acq On : 02 Dec 2025 20:18
Operator : RC/JU
Sample : Q3719-13
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-1125-17A

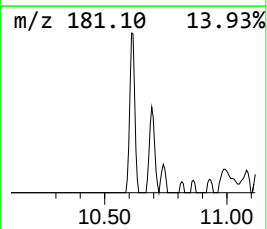
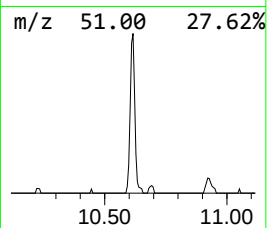
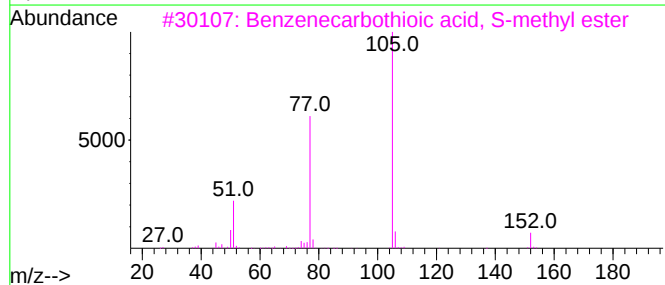
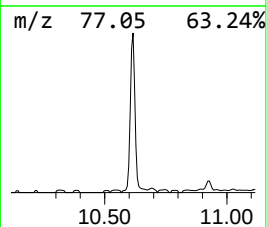
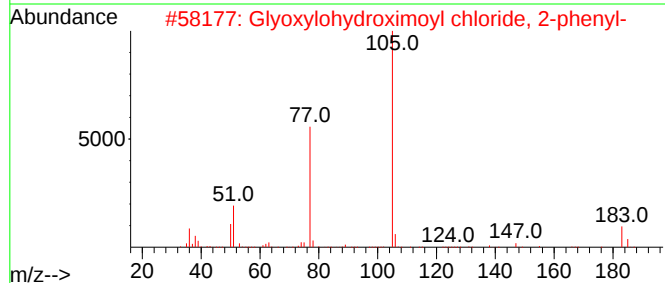
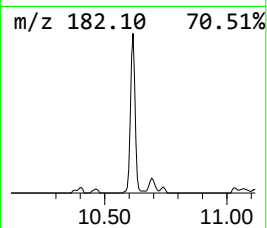
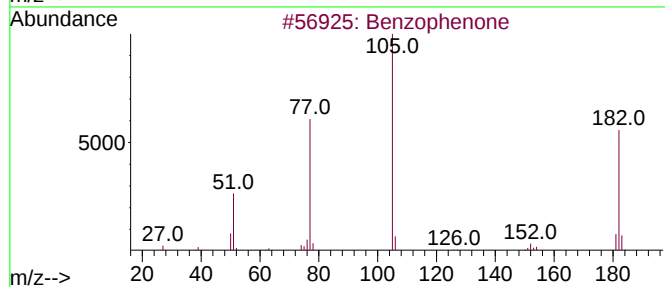
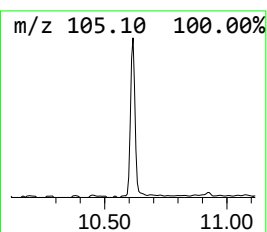
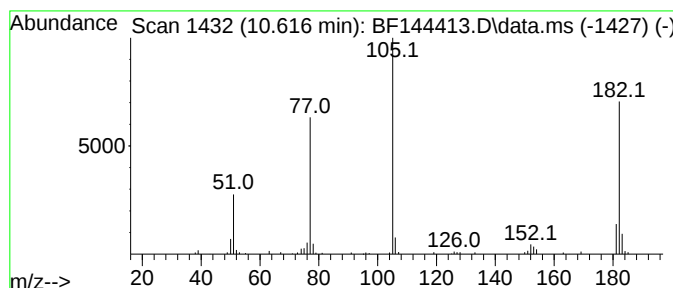
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Benzophenone Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.616	6.04 ng	94758	Acenaphthene-d10	9.898

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	97
2			Glyoxylohydroximoyl chloride, 2-...	183	C8H6ClNO2	004937-87-5	47
3			Benzenecarbothioic acid, S-methy...	152	C8H8OS	005925-68-8	43
4			Ethanedione, diphenyl-	210	C14H10O2	000134-81-6	38
5			Benzenebutanoic acid, .gamma.-oxo-	178	C10H10O3	002051-95-8	38



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120225\
Data File : BF144413.D
Acq On : 02 Dec 2025 20:18
Operator : RC/JU
Sample : Q3719-13
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-1125-17A

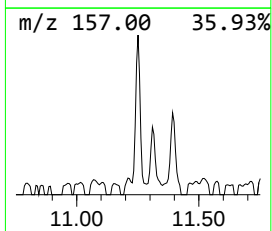
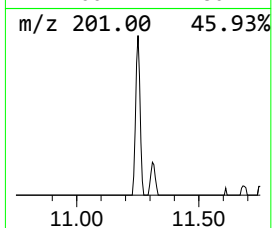
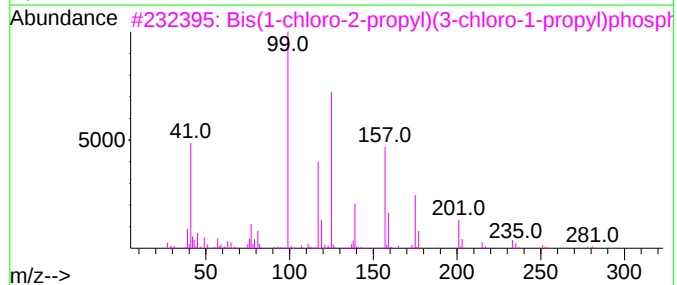
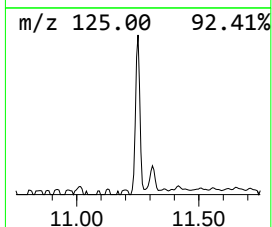
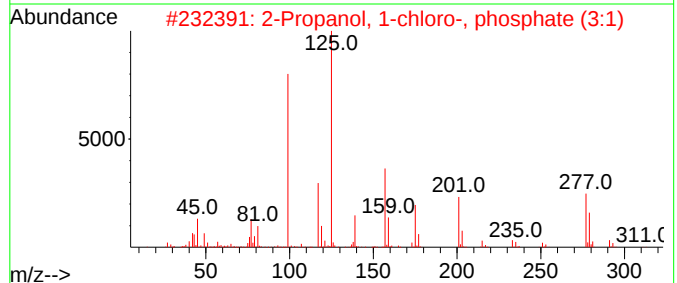
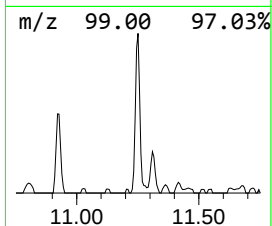
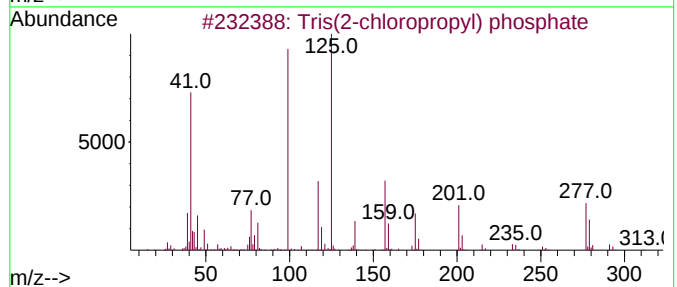
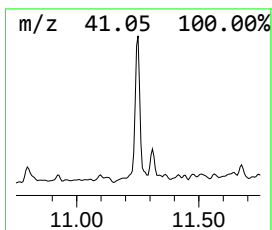
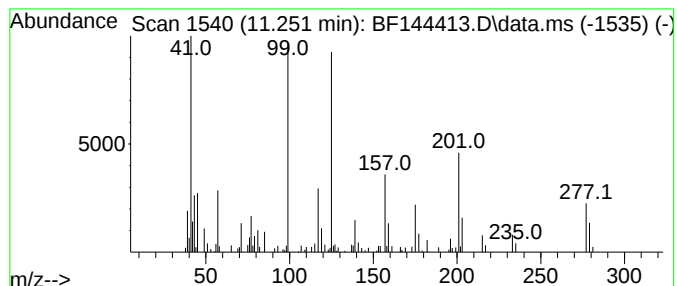
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Tris(2-chloropropyl) phosphate Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.251	3.44 ng	85834	Phenanthrene-d10	11.392

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Tris(2-chloropropyl) phosphate	326	C9H18Cl3O4P	006145-73-9	90
2		2-Propanol, 1-chloro-, phosphate...	326	C9H18Cl3O4P	013674-84-5	90
3		Bis(1-chloro-2-propyl)(3-chloro-...	326	C9H18Cl3O4P	137909-40-1	52
4		Tris(3-chloropropyl) phosphate	326	C9H18Cl3O4P	001067-98-7	35
5		Bis(3-chloro-1-propyl)(1-chloro-...	326	C9H18Cl3O4P	137888-35-8	27



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120225\
Data File : BF144413.D
Acq On : 02 Dec 2025 20:18
Operator : RC/JU
Sample : Q3719-13
Misc :
ALS Vial : 16 Sample Multiplier: 1

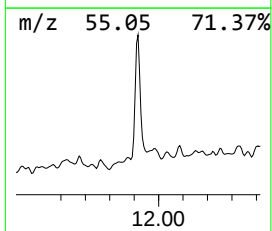
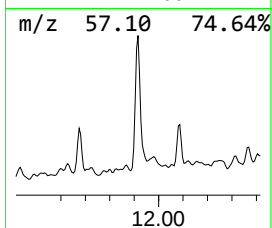
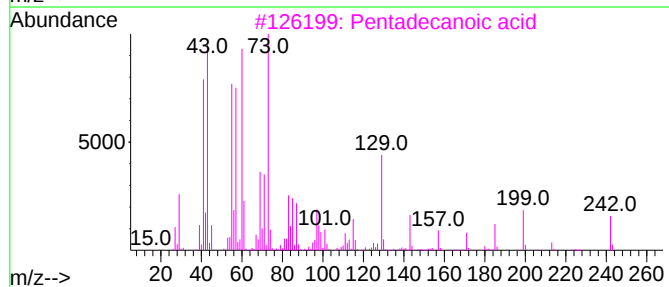
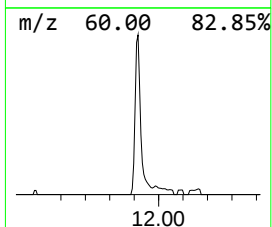
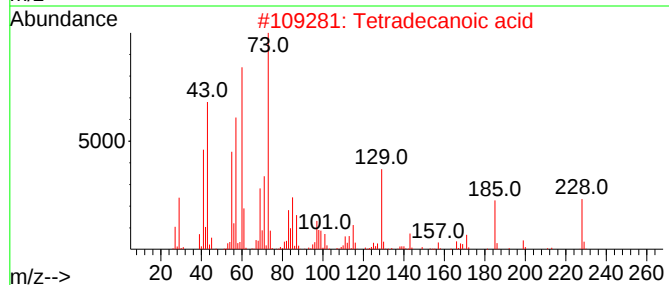
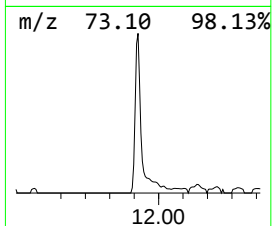
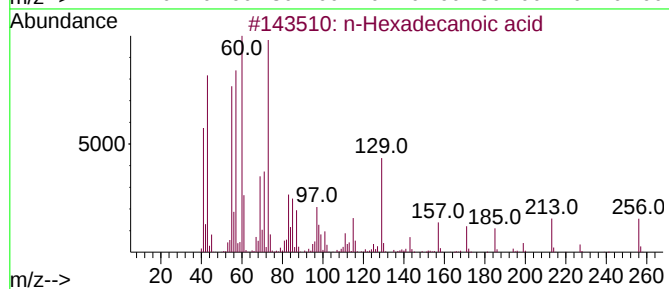
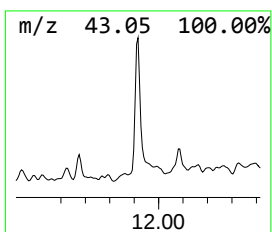
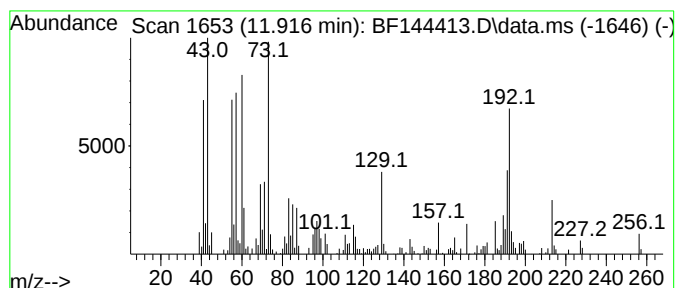
Instrument :
BNA_F
ClientSampleId :
SB-1125-17A

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD		R.T.	
11.916	7.23 ng	180124	Phenanthrene-d10		11.392	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid		256	C16H32O2	000057-10-3	95
2	Tetradecanoic acid		228	C14H28O2	000544-63-8	90
3	Pentadecanoic acid		242	C15H30O2	001002-84-2	60
4	Tridecanoic acid		214	C13H26O2	000638-53-9	55
5	Dodecanoic acid		200	C12H24O2	000143-07-7	50



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120225\
Data File : BF144413.D
Acq On : 02 Dec 2025 20:18
Operator : RC/JU
Sample : Q3719-13
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-1125-17A

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Benzophenone	10.616	6.0	ng	94758	3	9.898	313730	20.0
Tris(2-chloropr...	11.251	3.4	ng	85834	4	11.392	498352	20.0
n-Hexadecanoic ...	11.916	7.2	ng	180124	4	11.392	498352	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120125\
 Data File : BF144395.D
 Acq On : 01 Dec 2025 19:11
 Operator : RC/JU
 Sample : Q3719-14 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-1125-17B

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
 Supervised By :mohammad ahmed 12/03/2025

Quant Time: Dec 02 00:10:31 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 05 18:37:33 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	64196	20.000	ng	-0.01
21) Naphthalene-d8	8.145	136	226428	20.000	ng	-0.01
39) Acenaphthene-d10	9.904	164	117202	20.000	ng	-0.01
64) Phenanthrene-d10	11.392	188	208690	20.000	ng	-0.01
76) Chrysene-d12	14.045	240	174001	20.000	ng	0.00
86) Perylene-d12	15.527	264	135181	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	40726	9.928	ng	0.00
7) Phenol-d6	6.498	99	47122	10.138	ng	0.00
23) Nitrobenzene-d5	7.422	82	26087	6.654	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	11993	8.154	ng	0.00
45) 2-Fluorobiphenyl	9.216	172	59668	7.519	ng	-0.01
79) Terphenyl-d14	12.980	244	70148	6.404	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.416	178	51024	4.911	ng	98
75) Fluoranthene	12.610	202	77212	7.194	ng	98
78) Pyrene	12.839	202	65445	4.665	ng	96
81) Benzo(a)anthracene	14.033	228	30555	2.534	ng	95
83) Chrysene	14.068	228	26835	2.410	ng	# 96
88) Benzo(b)fluoranthene	15.092	252	21414m	2.786	ng	
90) Benzo(a)pyrene	15.462	252	15858	2.237	ng	# 88

(#) = qualifier out of range (m) = manual integration (+) = signals summed

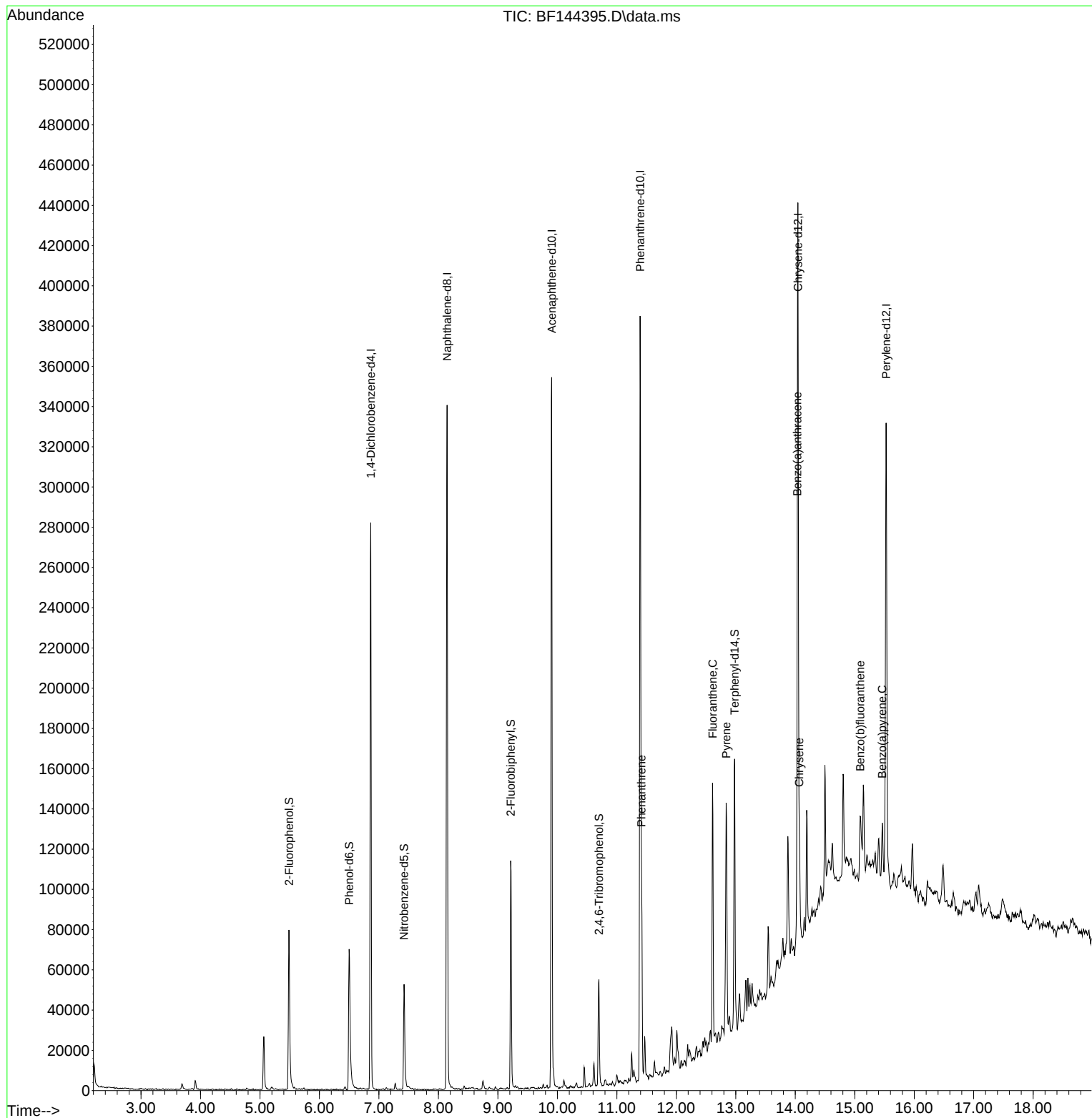
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Data File : BF144395.D
Acq On : 01 Dec 2025 19:11
Operator : RC/JU
Sample : Q3719-14 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

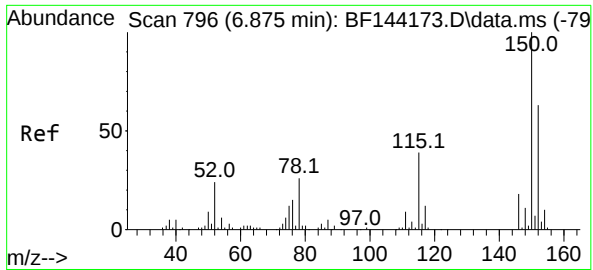
Instrument :
BNA_F
ClientSampleId :
SB-1125-17B

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025

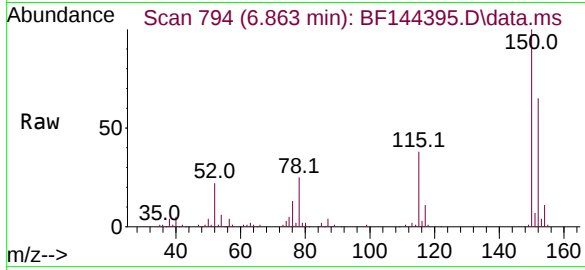
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 18:37:33 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 796
Delta R.T. -0.012 min
Lab File: BF144395.D
Acq: 01 Dec 2025 19:11

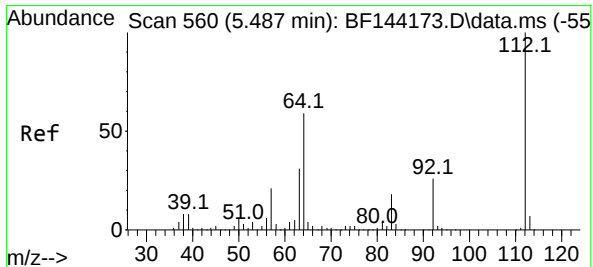
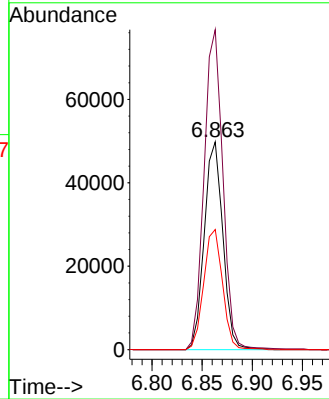
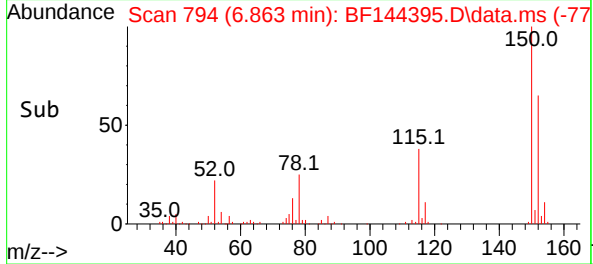
Instrument :
BNA_F
ClientSampleId :
SB-1125-17B



Tgt Ion:152 Resp: 64196
Ion Ratio Lower Upper
152 100
150 154.1 127.4 191.0
115 57.8 49.5 74.3

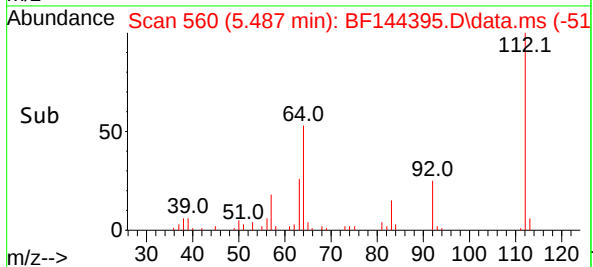
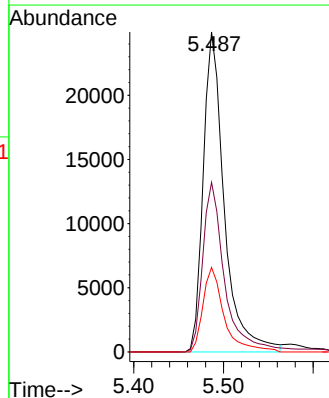
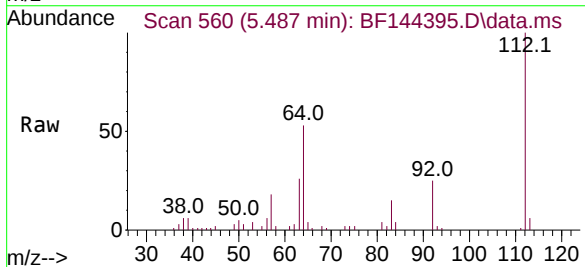
Manual Integrations
APPROVED

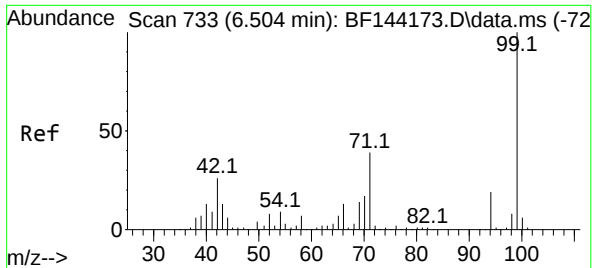
Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025



#5
2-Fluorophenol
Concen: 9.928 ng
RT: 5.487 min Scan# 560
Delta R.T. -0.006 min
Lab File: BF144395.D
Acq: 01 Dec 2025 19:11

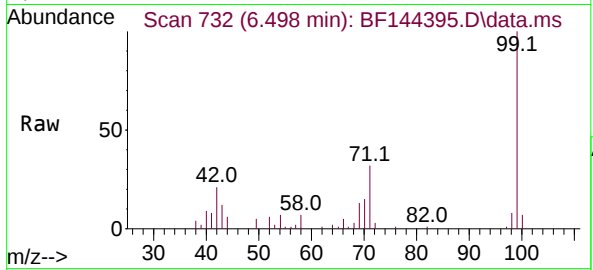
Tgt Ion:112 Resp: 40726
Ion Ratio Lower Upper
112 100
64 53.0 47.2 70.8
63 26.4 24.4 36.6





#7
Phenol-d6
Concen: 10.138 ng
RT: 6.498 min Scan# 733
Delta R.T. -0.000 min
Lab File: BF144395.D
Acq: 01 Dec 2025 19:11

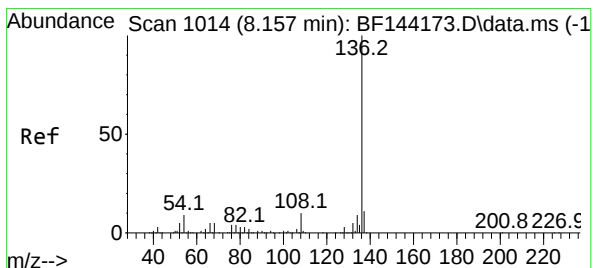
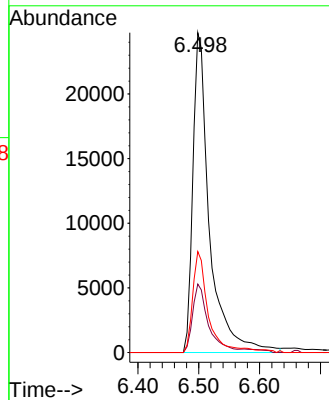
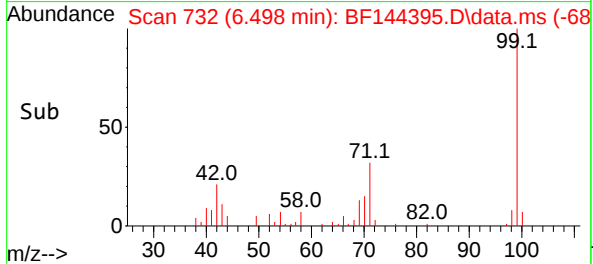
Instrument :
BNA_F
ClientSampleId :
SB-1125-17B



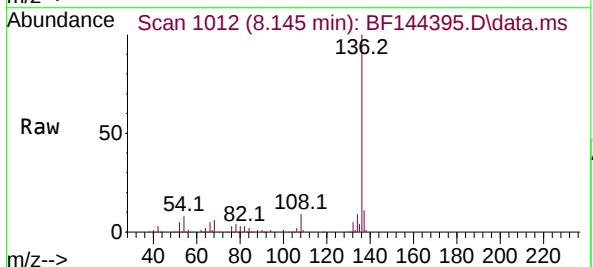
Tgt Ion: 99 Resp: 47122
Ion Ratio Lower Upper
99 100
42 21.4 20.9 31.3
71 31.6 31.4 47.2

Manual Integrations
APPROVED

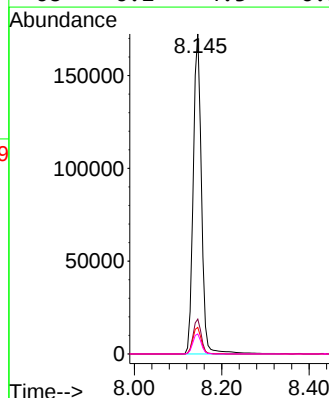
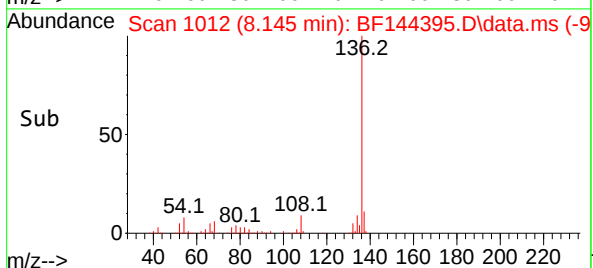
Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025

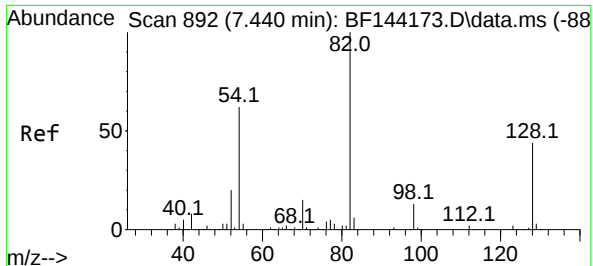


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1012
Delta R.T. -0.012 min
Lab File: BF144395.D
Acq: 01 Dec 2025 19:11



Tgt Ion:136 Resp: 226428
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 8.3 7.0 10.6
68 6.2 4.3 6.5





#23

Nitrobenzene-d5

Concen: 6.654 ng

RT: 7.422 min Scan# 889

Delta R.T. -0.012 min

Lab File: BF144395.D

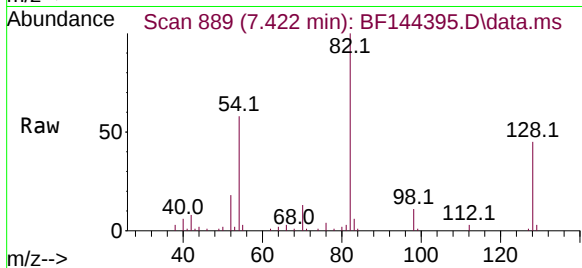
Acq: 01 Dec 2025 19:11

Instrument :

BNA_F

ClientSampleId :

SB-1125-17B



Tgt Ion: 82 Resp: 2608

Ion Ratio Lower Upper

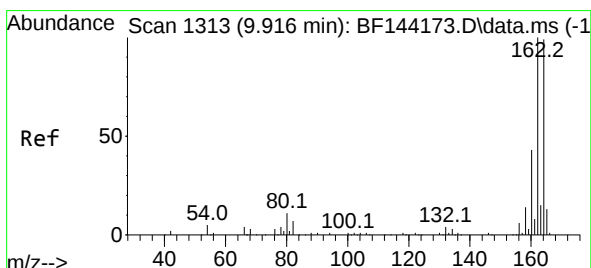
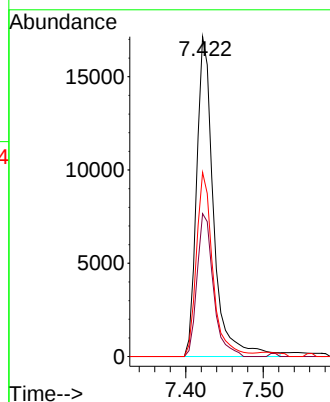
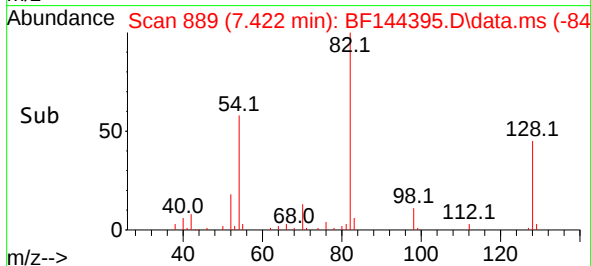
82 100

128 44.7 34.7 52.1

54 57.6 49.5 74.3

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025

#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.904 min Scan# 1311

Delta R.T. -0.012 min

Lab File: BF144395.D

Acq: 01 Dec 2025 19:11

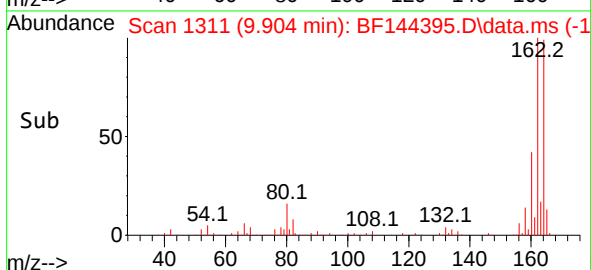
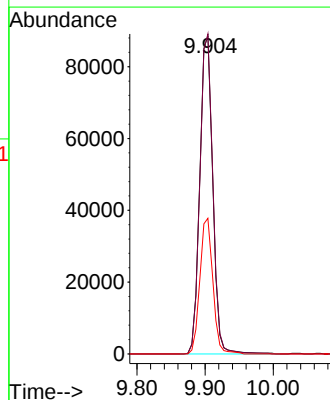
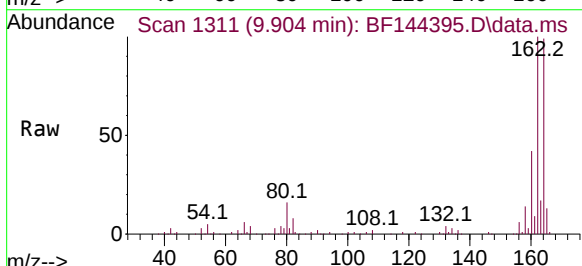
Tgt Ion:164 Resp: 117202

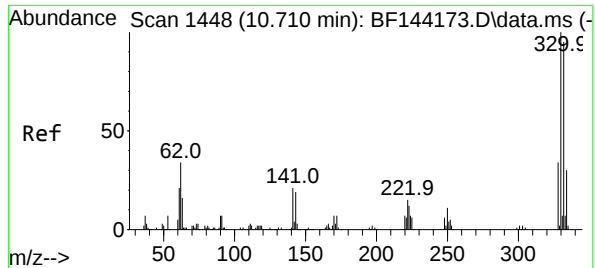
Ion Ratio Lower Upper

164 100

162 100.6 81.1 121.7

160 42.7 34.5 51.7





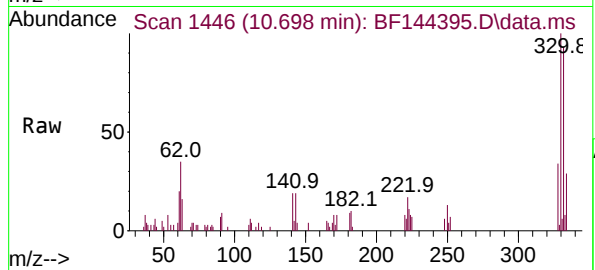
#42
2,4,6-Tribromophenol
Concen: 8.154 ng
RT: 10.698 min Scan# 1448
Delta R.T. -0.006 min
Lab File: BF144395.D
Acq: 01 Dec 2025 19:11

Instrument :

BNA_F

ClientSampleId :

SB-1125-17B

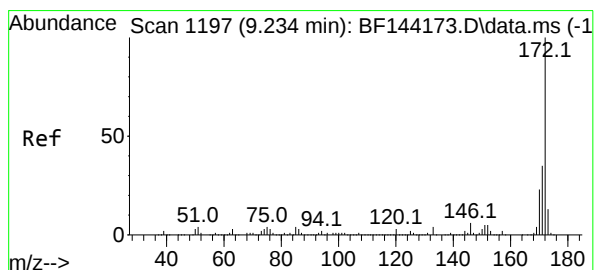
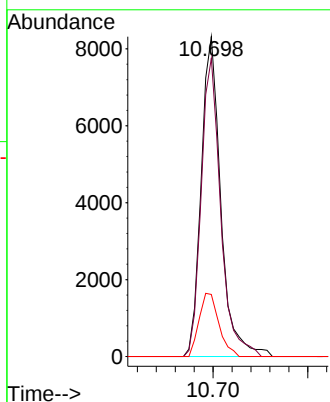
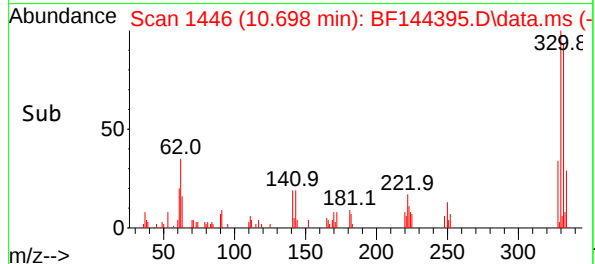


Tgt Ion:330 Resp: 11993
Ion Ratio Lower Upper
330 100
332 92.3 76.7 115.1
141 19.9 17.8 26.8

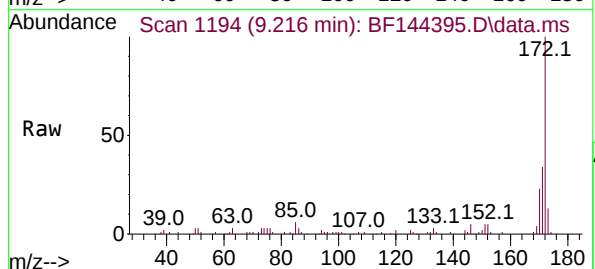
Manual Integrations

APPROVED

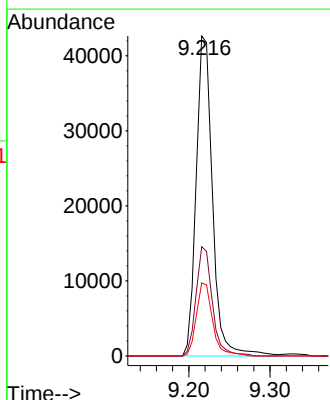
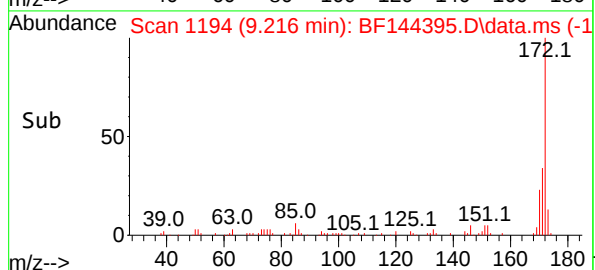
Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025

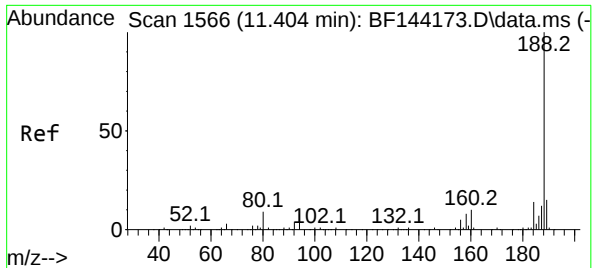


#45
2-Fluorobiphenyl
Concen: 7.519 ng
RT: 9.216 min Scan# 1194
Delta R.T. -0.012 min
Lab File: BF144395.D
Acq: 01 Dec 2025 19:11



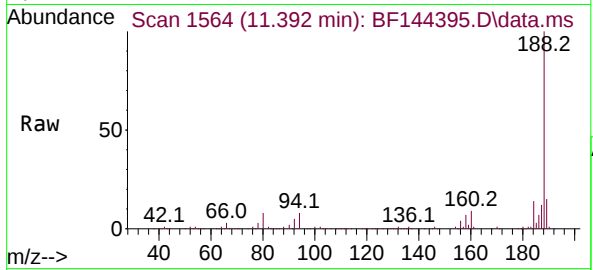
Tgt Ion:172 Resp: 59668
Ion Ratio Lower Upper
172 100
171 34.1 28.1 42.1
170 22.8 18.6 28.0





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF144395.D
Acq: 01 Dec 2025 19:11

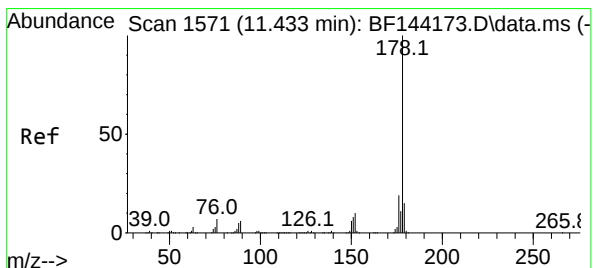
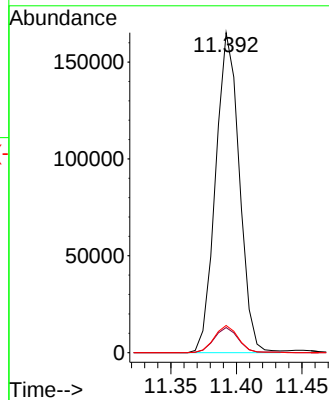
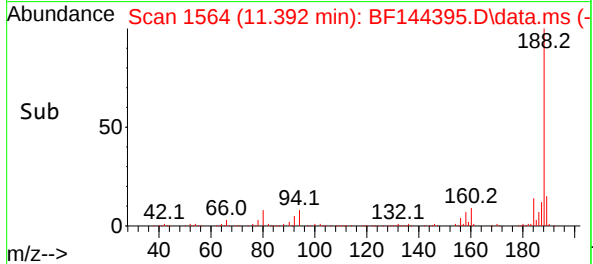
Instrument :
BNA_F
ClientSampleId :
SB-1125-17B



Tgt Ion:188 Resp: 208690
Ion Ratio Lower Upper
188 100
94 7.9 6.2 9.2
80 8.5 6.9 10.3

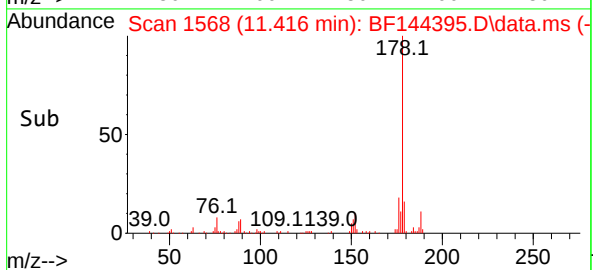
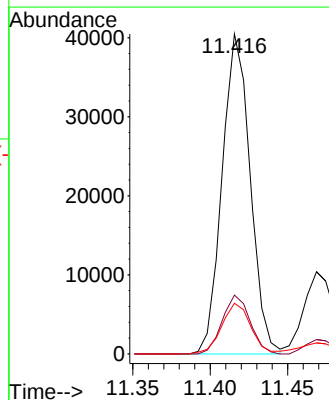
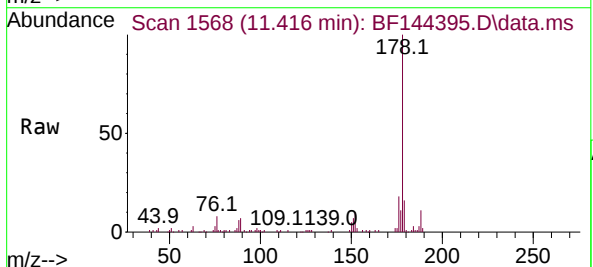
Manual Integrations
APPROVED

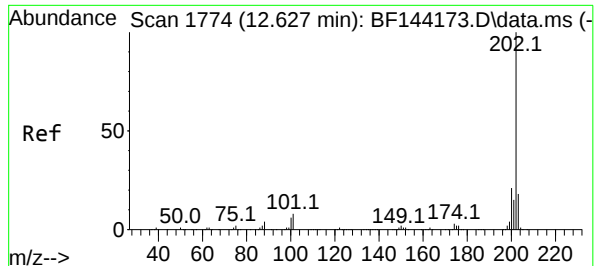
Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025



#71
Phenanthrene
Concen: 4.911 ng
RT: 11.416 min Scan# 1568
Delta R.T. -0.012 min
Lab File: BF144395.D
Acq: 01 Dec 2025 19:11

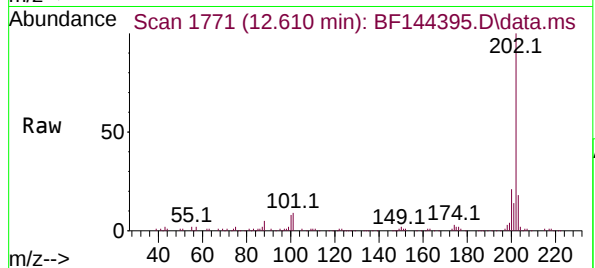
Tgt Ion:178 Resp: 51024
Ion Ratio Lower Upper
178 100
176 18.4 15.5 23.3
179 15.8 12.2 18.4





#75
Fluoranthene
Concen: 7.194 ng
RT: 12.610 min Scan# 1774
Delta R.T. -0.012 min
Lab File: BF144395.D
Acq: 01 Dec 2025 19:11

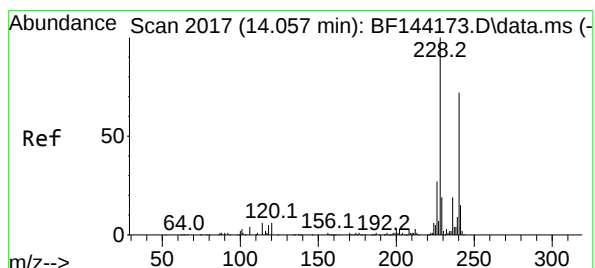
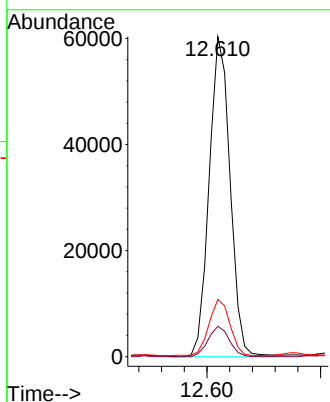
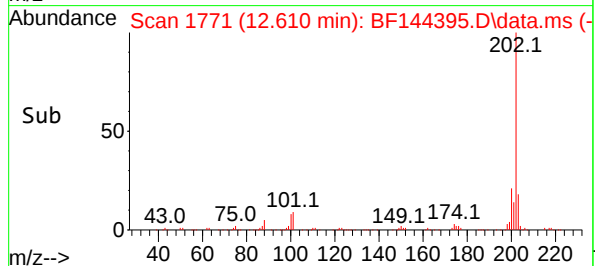
Instrument :
BNA_F
ClientSampleId :
SB-1125-17B



Tgt Ion:202 Resp: 77212
Ion Ratio Lower Upper
202 100
101 9.5 0.0 27.9
203 17.9 0.0 37.5

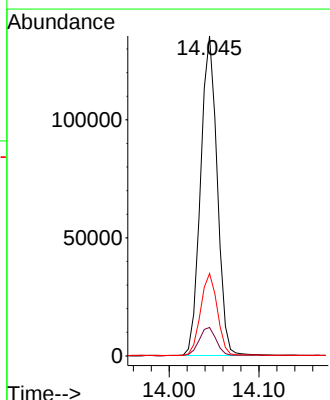
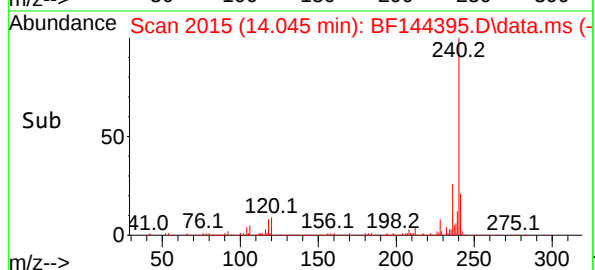
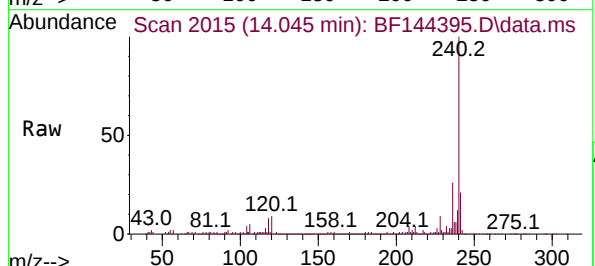
Manual Integrations
APPROVED

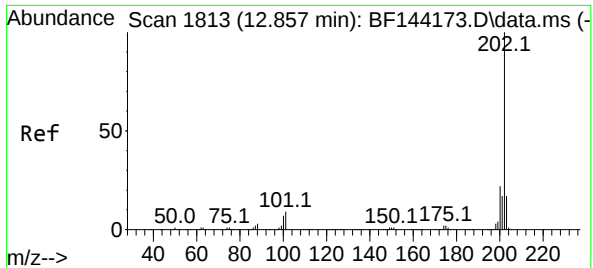
Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF144395.D
Acq: 01 Dec 2025 19:11

Tgt Ion:240 Resp: 174001
Ion Ratio Lower Upper
240 100
120 8.9 6.6 10.0
236 25.7 21.4 32.2





#78

Pyrene

Concen: 4.665 ng

RT: 12.839 min Scan# 1810

Delta R.T. -0.012 min

Lab File: BF144395.D

Acq: 01 Dec 2025 19:11

Instrument :

BNA_F

ClientSampleId :

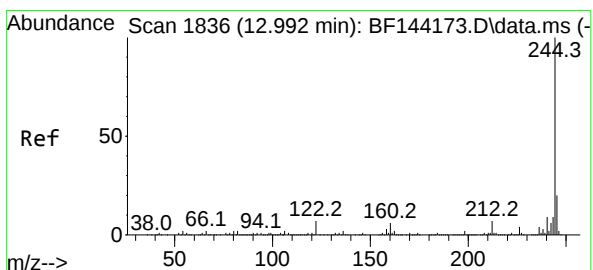
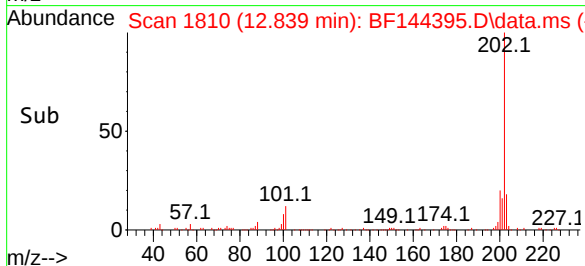
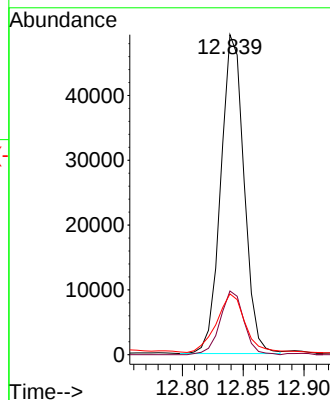
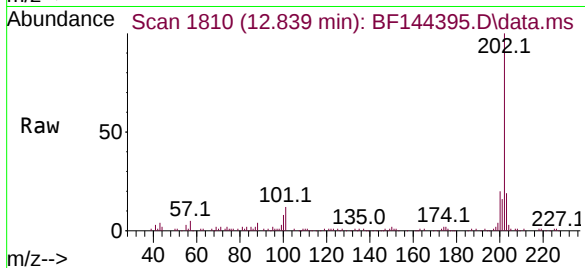
SB-1125-17B

Tgt Ion:	202	Resp:	65445
Ion Ratio	Lower	Upper	
202	100		
200	19.9	17.2	25.8
203	19.0	13.7	20.5

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025



#79

Terphenyl-d14

Concen: 6.404 ng

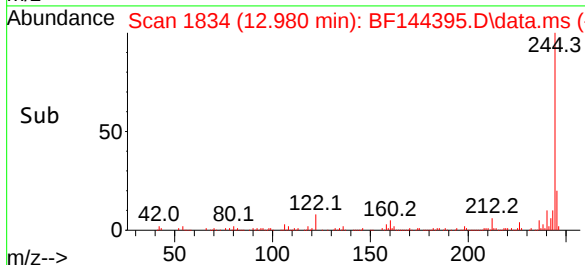
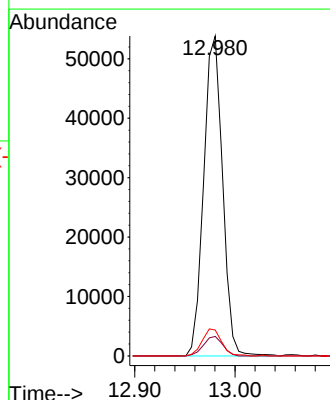
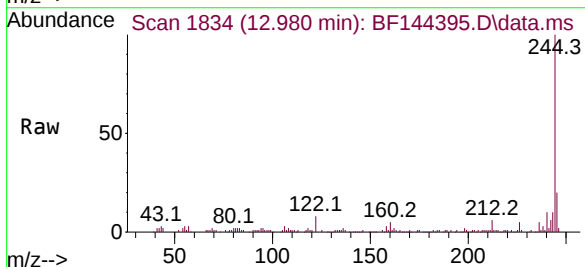
RT: 12.980 min Scan# 1834

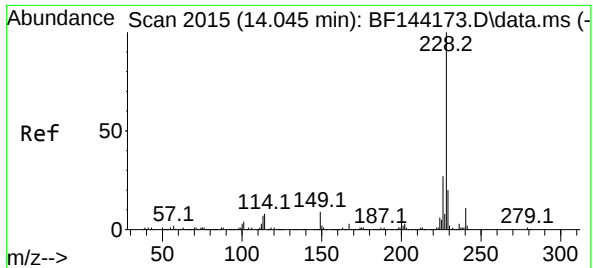
Delta R.T. -0.012 min

Lab File: BF144395.D

Acq: 01 Dec 2025 19:11

Tgt Ion:	244	Resp:	70148
Ion Ratio	Lower	Upper	
244	100		
212	6.1	5.3	7.9
122	8.1	5.6	8.4





#81

Benzo(a)anthracene

Concen: 2.534 ng

RT: 14.033 min Scan# 2013

Delta R.T. -0.012 min

Lab File: BF144395.D

Acq: 01 Dec 2025 19:11

Instrument :

BNA_F

ClientSampleId :

SB-1125-17B

Tgt Ion:228 Resp: 3055

Ion Ratio Lower Upper

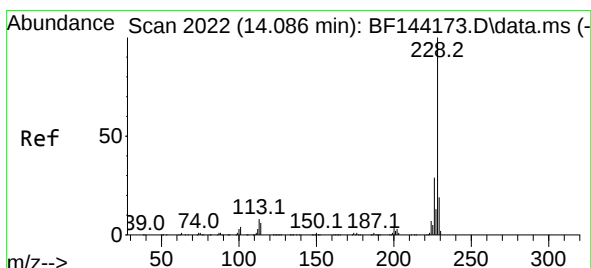
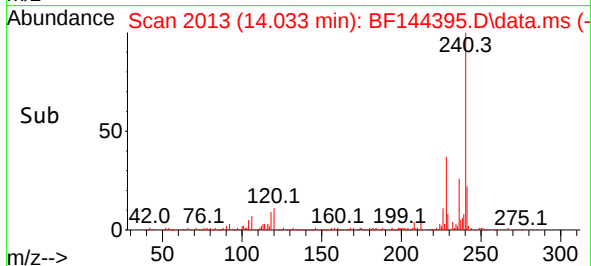
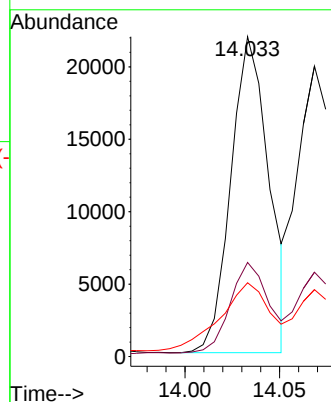
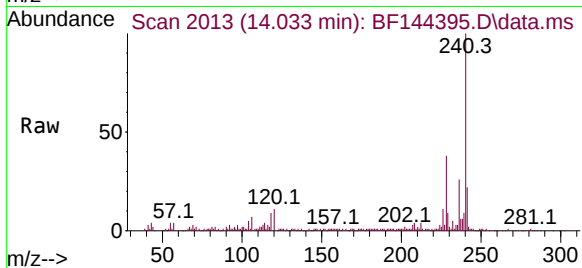
228 100

226 29.4 21.8 32.8

229 23.1 15.8 23.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025

#83

Chrysene

Concen: 2.410 ng

RT: 14.068 min Scan# 2019

Delta R.T. -0.012 min

Lab File: BF144395.D

Acq: 01 Dec 2025 19:11

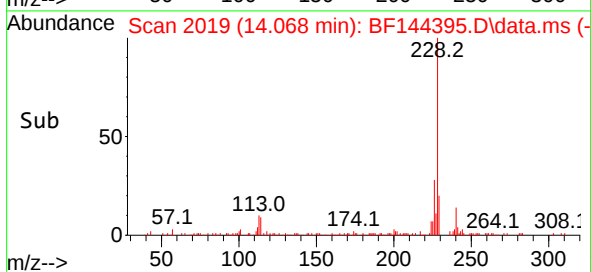
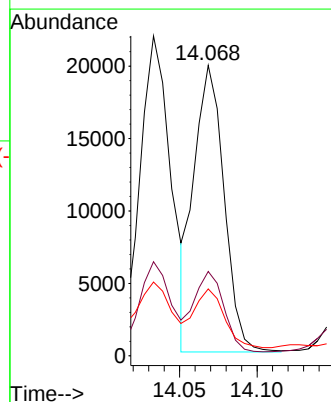
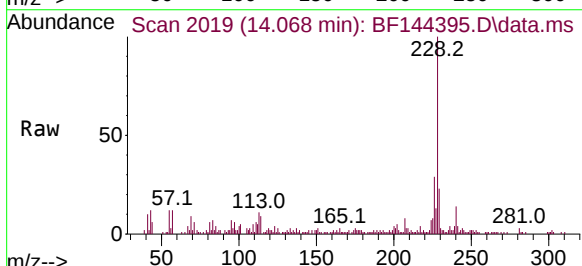
Tgt Ion:228 Resp: 26835

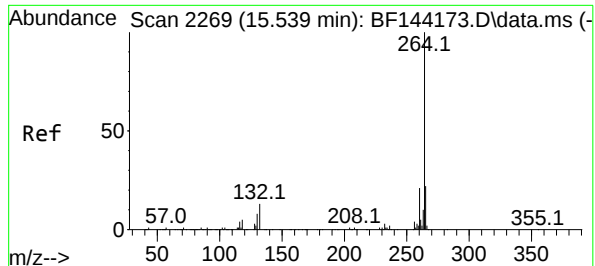
Ion Ratio Lower Upper

228 100

226 29.1 22.9 34.3

229 23.1 15.0 22.6#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.527 min Scan# 2193

Delta R.T. -0.012 min

Lab File: BF144395.D

Acq: 01 Dec 2025 19:11

Instrument :

BNA_F

ClientSampleId :

SB-1125-17B

Tgt Ion:264 Resp: 13518

Ion Ratio Lower Upper

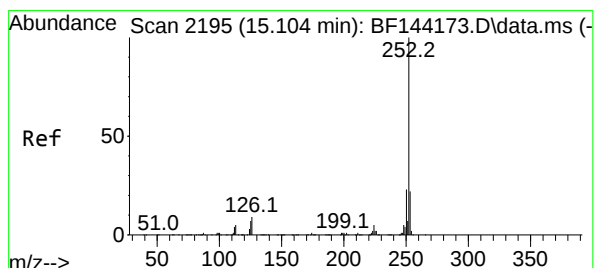
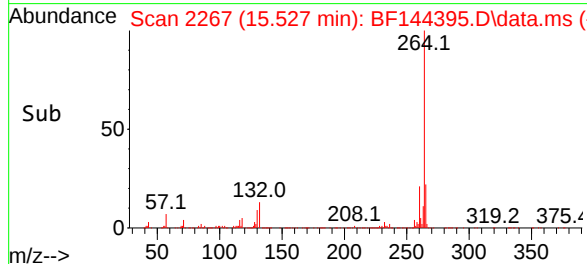
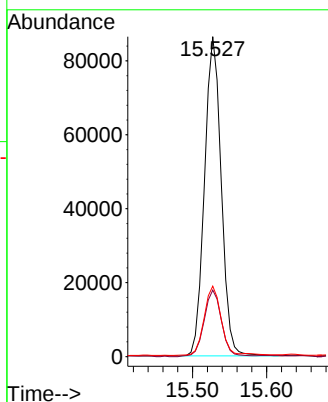
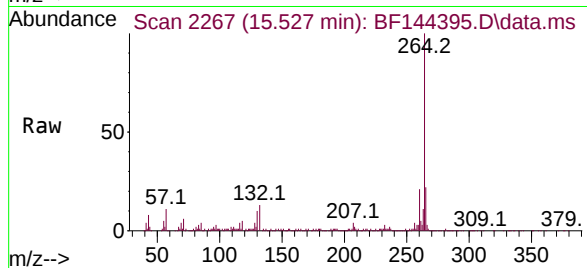
264 100

260 20.8 17.1 25.7

265 22.0 17.4 26.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025

#88

Benzo(b)fluoranthene

Concen: 2.786 ng m

RT: 15.092 min Scan# 2193

Delta R.T. -0.006 min

Lab File: BF144395.D

Acq: 01 Dec 2025 19:11

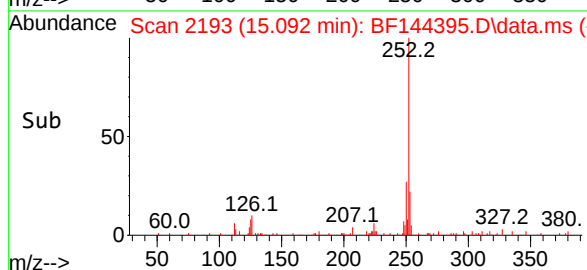
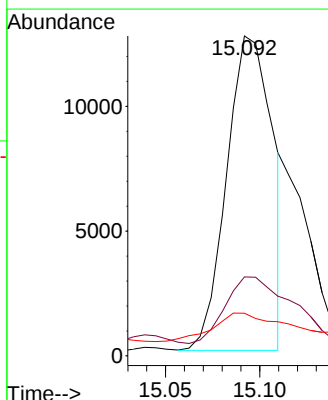
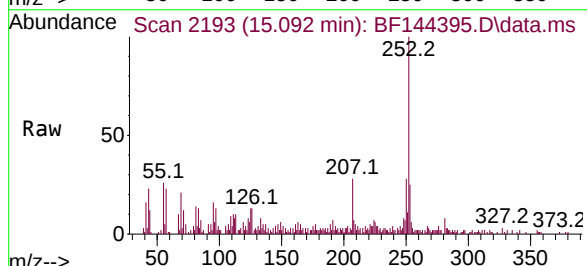
Tgt Ion:252 Resp: 21414

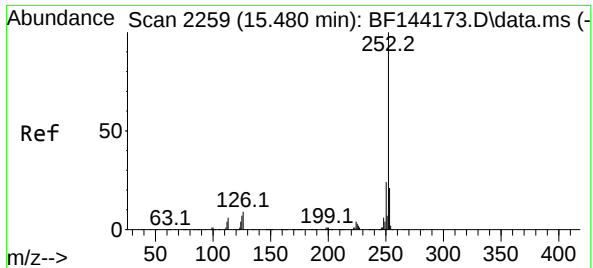
Ion Ratio Lower Upper

252 100

253 24.7 17.4 26.2

125 13.3 5.3 7.9#





#90

Benzo(a)pyrene

Concen: 2.237 ng

RT: 15.462 min Scan# 22

Delta R.T. -0.012 min

Lab File: BF144395.D

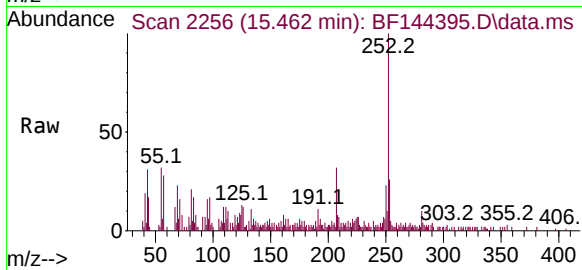
Acq: 01 Dec 2025 19:11

Instrument :

BNA_F

ClientSampleId :

SB-1125-17B



Tgt Ion:252 Resp: 15858

Ion Ratio Lower Upper

252 100

253 25.9 16.7 25.1

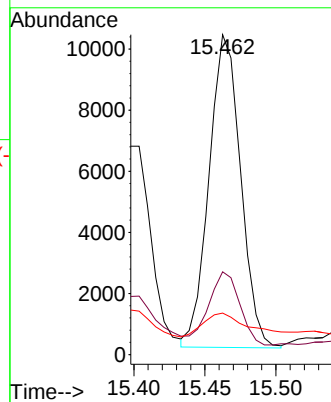
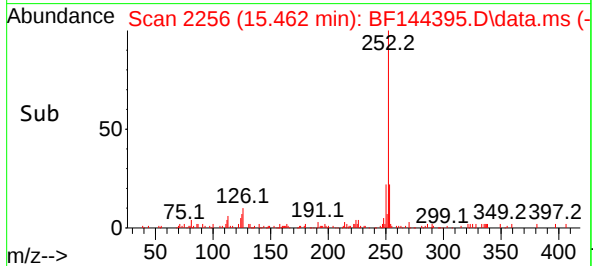
125 13.0 5.7 8.5

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025

Supervised By :mohammad ahmed 12/03/2025



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120125\
 Data File : BF144395.D
 Acq On : 01 Dec 2025 19:11
 Operator : RC/JU
 Sample : Q3719-14 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-1125-17B

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF144395.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.910	287	292	298	rBV	4455	7385	1.23%	0.157%
2	5.063	480	488	497	rBV	26474	39494	6.58%	0.839%
3	5.487	555	560	574	rBV	78949	125278	20.88%	2.661%
4	6.498	727	732	748	rBV	69945	129370	21.57%	2.748%
5	6.863	788	794	807	rVB	281724	363162	60.54%	7.713%
6	7.422	884	889	898	rBV	52021	75126	12.52%	1.596%
7	8.145	1006	1012	1024	rBV	339689	437849	72.99%	9.299%
8	8.751	1108	1115	1122	rBV4	4190	6904	1.15%	0.147%
9	9.216	1190	1194	1203	rBV	113444	149573	24.93%	3.177%
10	9.904	1306	1311	1320	rBV	352880	470897	78.50%	10.001%
11	10.451	1400	1404	1408	rBV	10010	12722	2.12%	0.270%
12	10.616	1427	1432	1437	rVB2	11200	15291	2.55%	0.325%
13	10.698	1441	1446	1452	rBV	52587	73568	12.26%	1.562%
14	10.998	1491	1497	1501	rBV6	5475	10242	1.71%	0.218%
15	11.251	1535	1540	1543	rBV2	13853	18643	3.11%	0.396%
16	11.286	1543	1546	1553	rVB3	5925	10777	1.80%	0.229%
17	11.392	1559	1564	1573	rBV2	379991	599904	100.00%	12.741%
18	11.469	1573	1577	1581	rVB	19225	24366	4.06%	0.517%
19	11.633	1600	1605	1608	rBV2	7613	10886	1.81%	0.231%
20	11.921	1646	1654	1659	rBV2	22602	55651	9.28%	1.182%
21	12.010	1665	1669	1678	rVB2	18869	35319	5.89%	0.750%
22	12.192	1695	1700	1703	rBV	10693	16279	2.71%	0.346%
23	12.221	1703	1705	1711	rVB6	6087	10921	1.82%	0.232%
24	12.339	1721	1725	1728	rBV6	5859	9227	1.54%	0.196%
25	12.451	1740	1744	1746	rBV	7186	10300	1.72%	0.219%
26	12.480	1746	1749	1751	rVV3	4891	6344	1.06%	0.135%
27	12.574	1761	1765	1767	rBV5	6834	9305	1.55%	0.198%
28	12.610	1767	1771	1776	rBV	128753	162005	27.01%	3.441%
29	12.839	1804	1810	1816	rBV	114919	179226	29.88%	3.806%
30	12.980	1829	1834	1842	rVB	134518	194982	32.50%	4.141%
31	13.063	1844	1848	1853	rVB3	14303	22783	3.80%	0.484%
32	13.204	1869	1872	1875	rBV	16462	18164	3.03%	0.386%
33	13.239	1875	1878	1881	rVV	11830	14643	2.44%	0.311%
34	13.274	1881	1884	1892	rVB4	11504	19132	3.19%	0.406%
35	13.545	1927	1930	1934	rVB	30320	34905	5.82%	0.741%
36	13.874	1983	1986	1993	rVB2	58292	85379	14.23%	1.813%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120125\
Data File : BF144395.D
Acq On : 01 Dec 2025 19:11
Operator : RC/JU
Sample : Q3719-14 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-1125-17B

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	14.045	2009	2015	2028	rVB2	365289	573851	95.66%	12.187%
38	14.192	2037	2040	2048	rBV	56601	75076	12.51%	1.594%
39	14.498	2089	2092	2096	rBV	60896	77196	12.87%	1.639%
40	14.804	2141	2144	2151	rBV	44713	62147	10.36%	1.320%
41	15.145	2200	2202	2208	rVB	42675	56676	9.45%	1.204%
42	15.527	2262	2267	2280	rVB	231272	397655	66.29%	8.445%

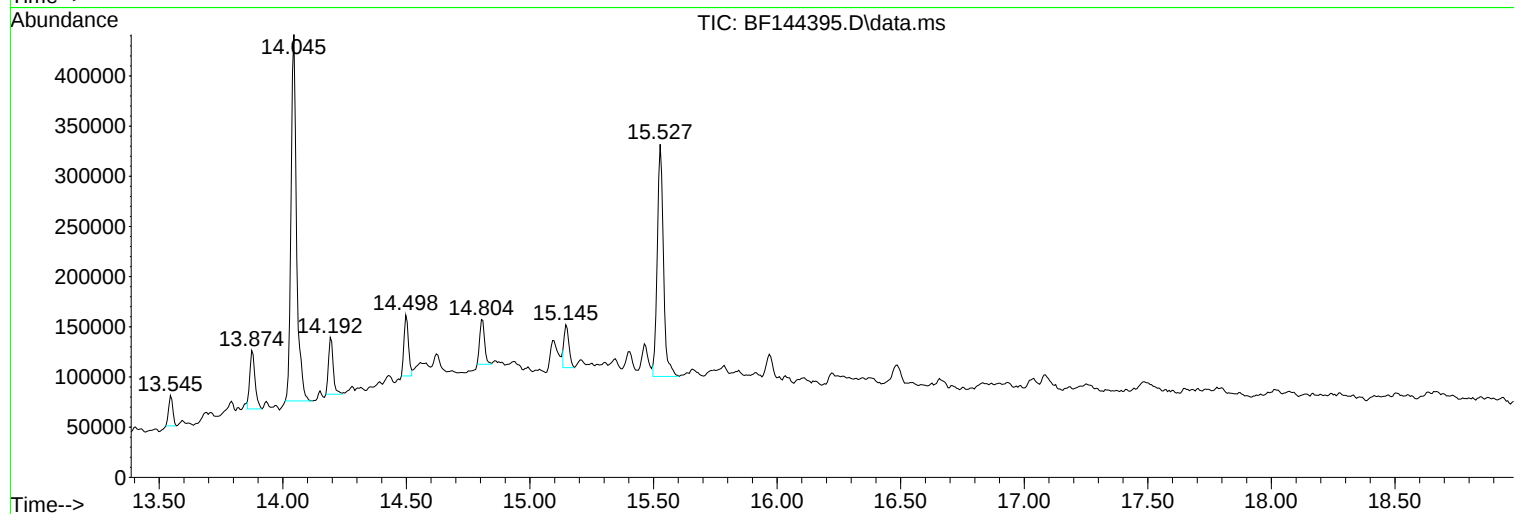
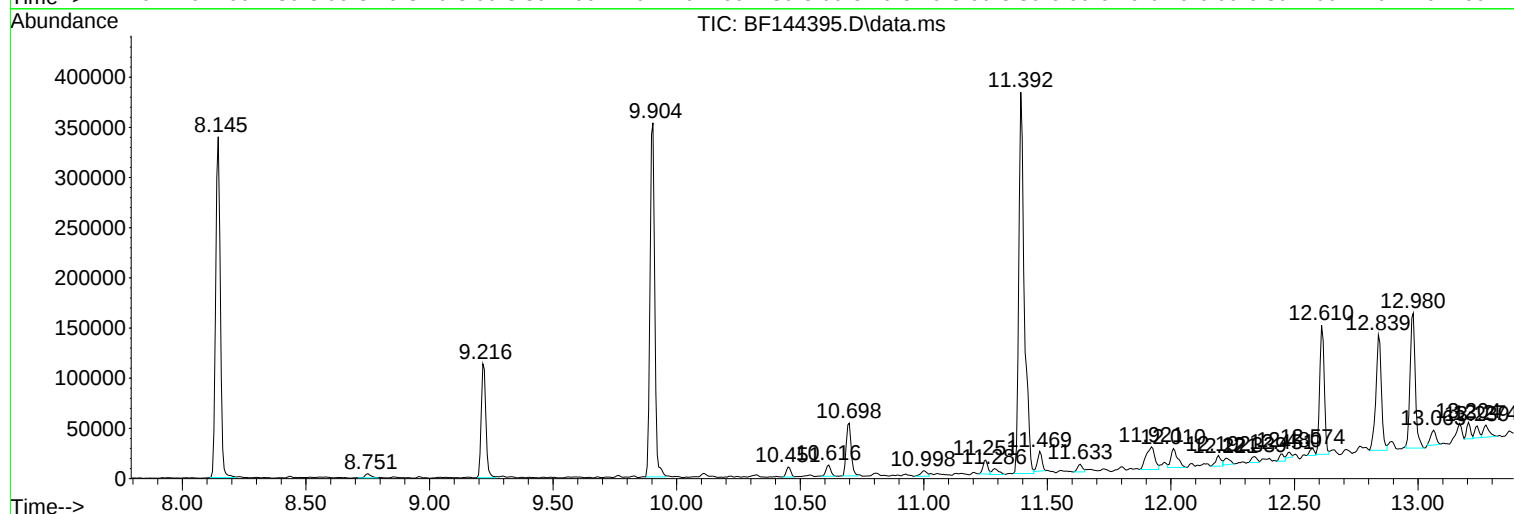
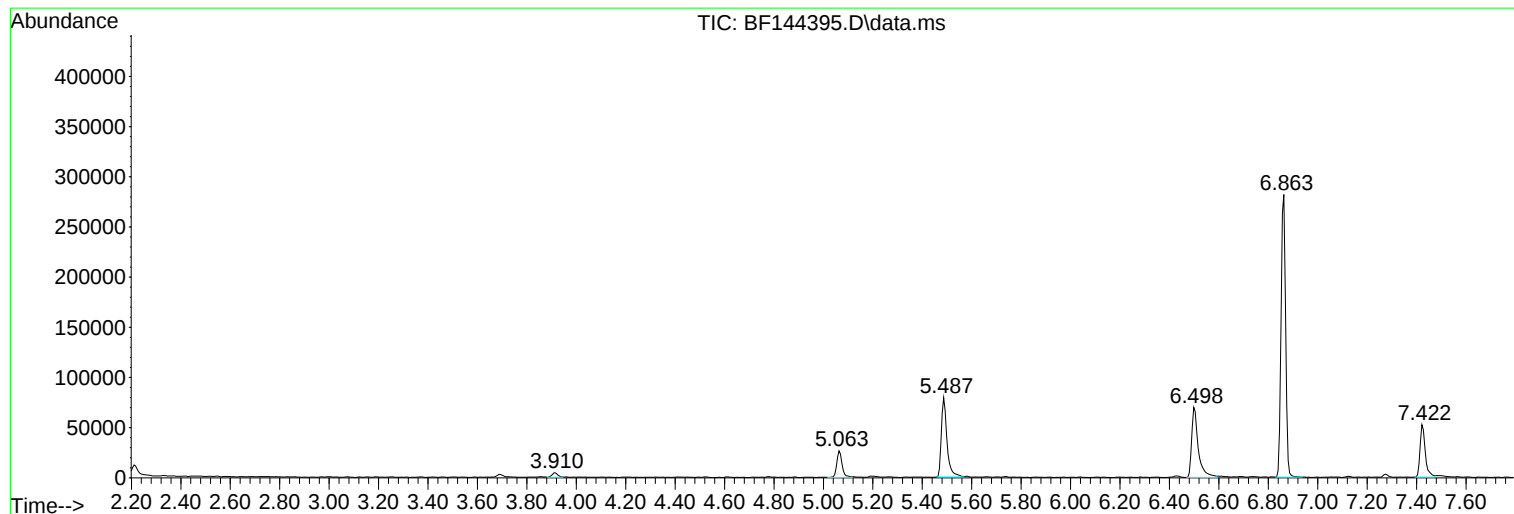
Sum of corrected areas: 4708603

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120125\
Data File : BF144395.D
Acq On : 01 Dec 2025 19:11
Operator : RC/JU
Sample : Q3719-14 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-1125-17B

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120125\
Data File : BF144395.D
Acq On : 01 Dec 2025 19:11
Operator : RC/JU
Sample : Q3719-14 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-1125-17B

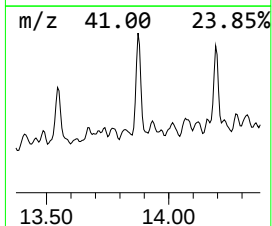
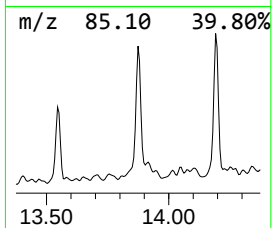
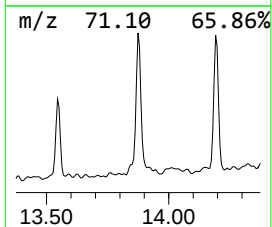
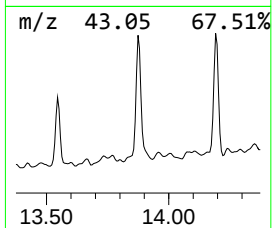
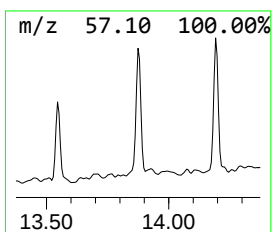
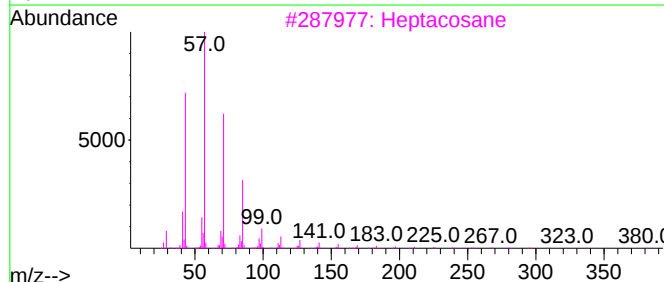
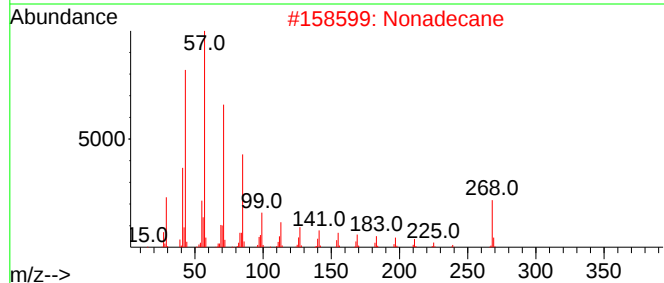
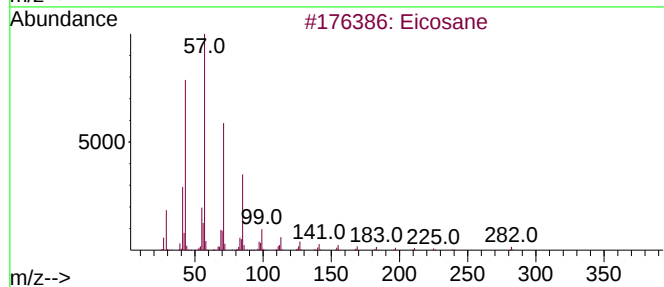
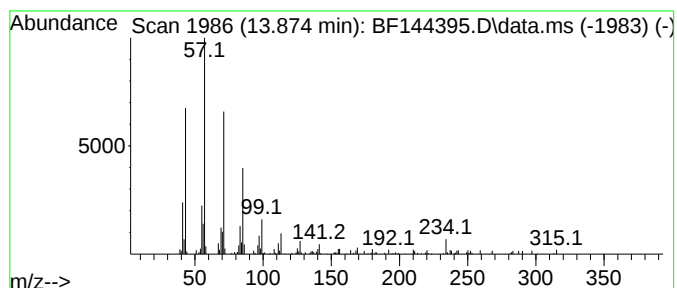
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Eicosane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.874	2.98 ng	85379	Chrysene-d12	14.045

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Eicosane	282	C20H42	000112-95-8	91
2			Nonadecane	268	C19H40	000629-92-5	87
3			Heptacosane	380	C27H56	000593-49-7	83
4			Hentriacontane	437	C31H64	000630-04-6	83
5			Hexatriacontane	507	C36H74	000630-06-8	83



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120125\
Data File : BF144395.D
Acq On : 01 Dec 2025 19:11
Operator : RC/JU
Sample : Q3719-14 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-1125-17B

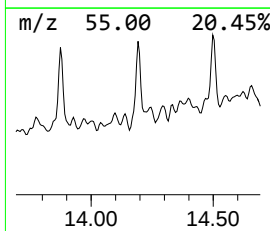
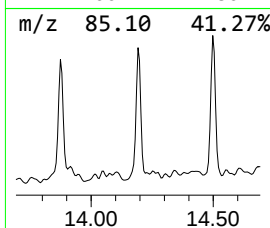
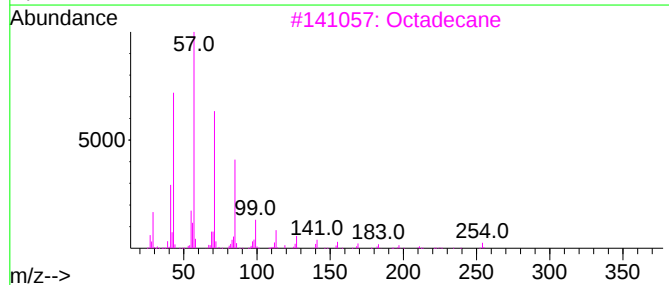
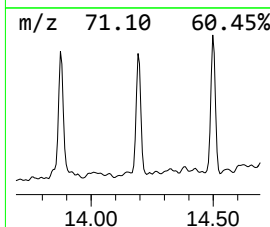
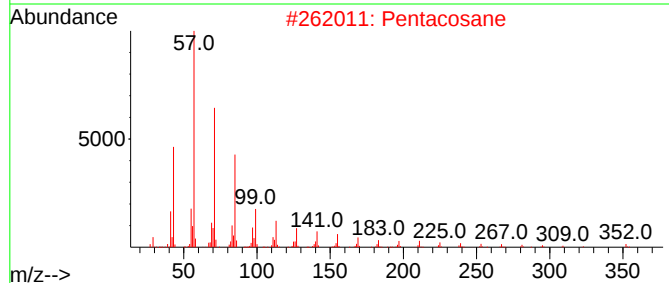
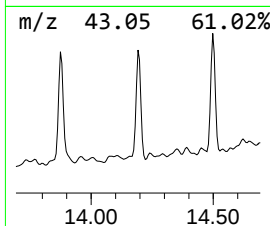
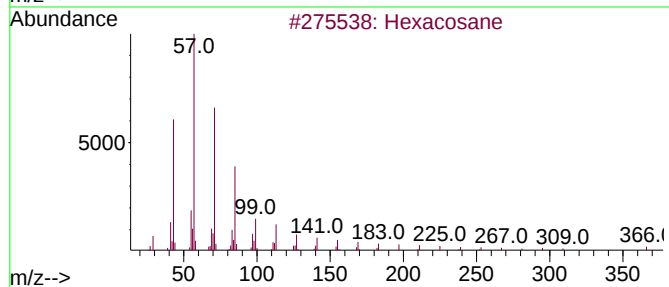
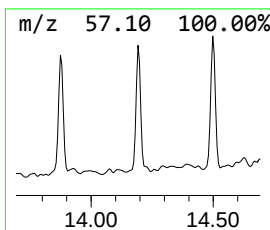
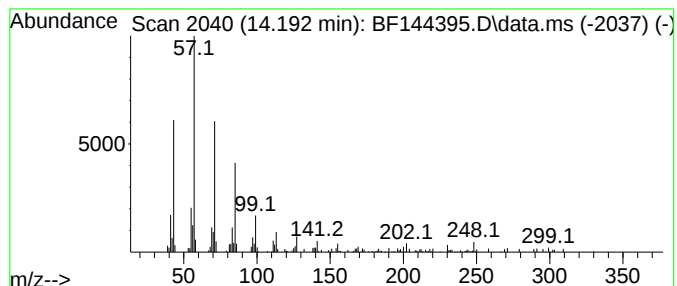
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Hexacosane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.192	2.62 ng	75076	Chrysene-d12	14.045

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexacosane	366	C26H54	000630-01-3	87
2			Pentacosane	352	C25H52	000629-99-2	83
3			Octadecane	254	C18H38	000593-45-3	83
4			Docosane, 11-butyl-	366	C26H54	013475-76-8	83
5			Tetracosane	338	C24H50	000646-31-1	83



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120125\
Data File : BF144395.D
Acq On : 01 Dec 2025 19:11
Operator : RC/JU
Sample : Q3719-14 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-1125-17B

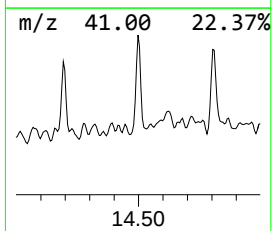
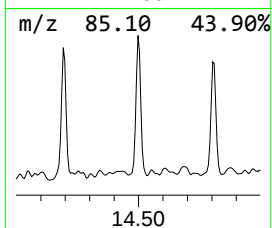
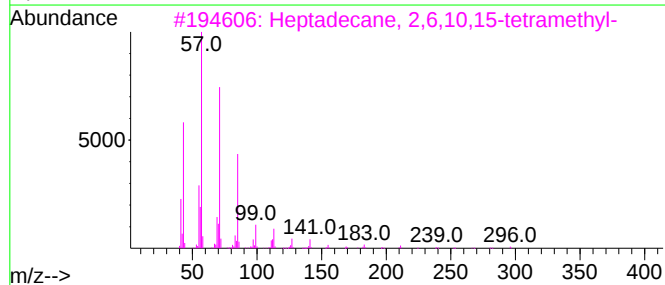
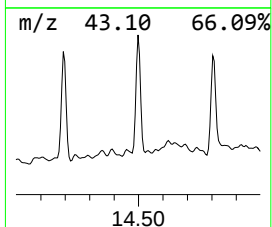
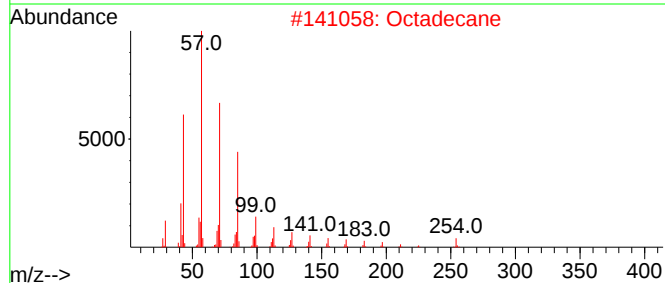
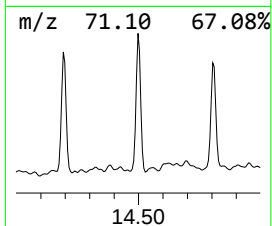
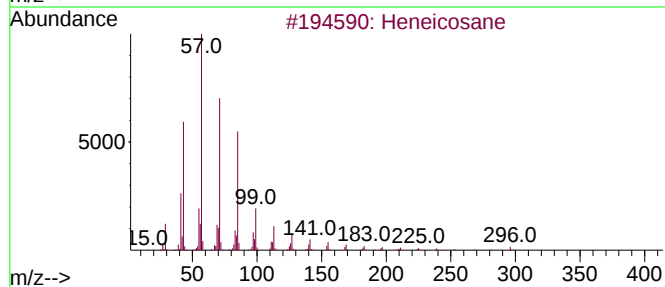
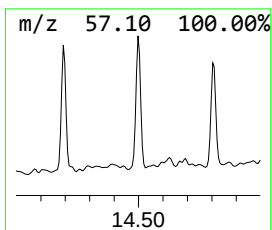
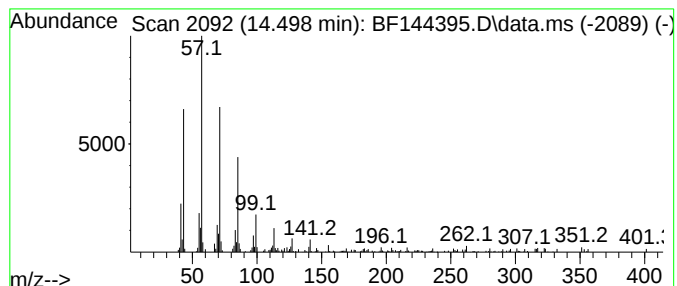
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Heneicosane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.498	2.69 ng	77196	Chrysene-d12	14.045

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heneicosane	296	C21H44	000629-94-7	93
2			Octadecane	254	C18H38	000593-45-3	90
3			Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	90
4			Tetracosane	338	C24H50	000646-31-1	87
5			Heptadecane, 9-octyl-	352	C25H52	007225-64-1	87



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120125\
Data File : BF144395.D
Acq On : 01 Dec 2025 19:11
Operator : RC/JU
Sample : Q3719-14 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-1125-17B

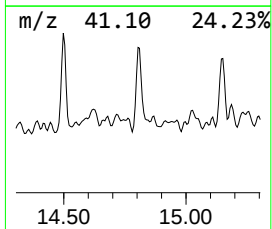
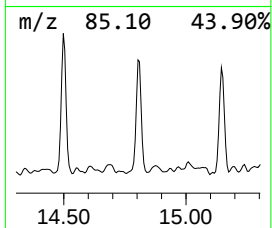
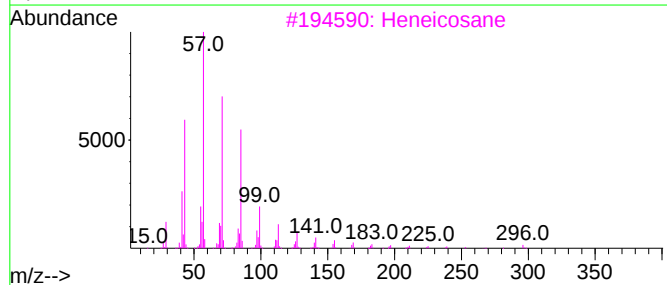
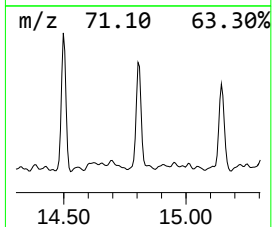
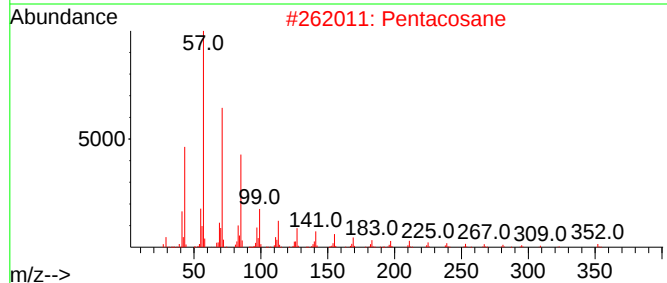
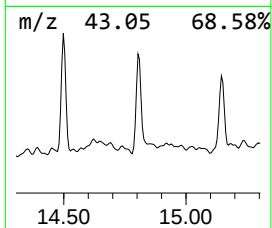
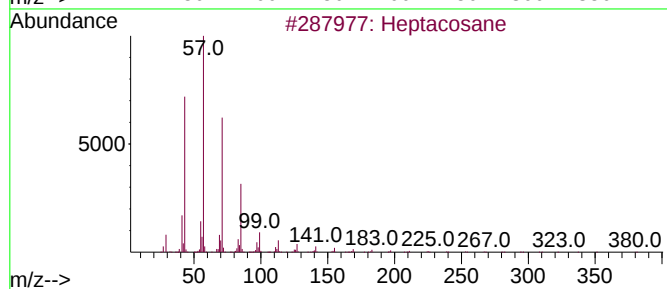
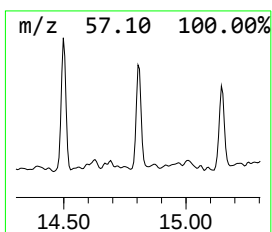
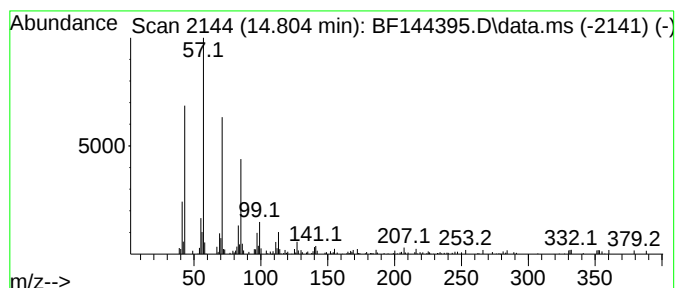
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Heptacosane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.804	3.13 ng	62147	Perylene-d12	15.527

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptacosane	380	C27H56	000593-49-7	86
2			Pentacosane	352	C25H52	000629-99-2	86
3			Heneicosane	296	C21H44	000629-94-7	83
4			Nonadecane	268	C19H40	000629-92-5	80
5			Tetradecane, 2,6,10-trimethyl-	240	C17H36	014905-56-7	74



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120125\
Data File : BF144395.D
Acq On : 01 Dec 2025 19:11
Operator : RC/JU
Sample : Q3719-14 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-1125-17B

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Eicosane	13.874	3.0	ng	85379	5	14.045	573851	20.0
Hexacosane	14.192	2.6	ng	75076	5	14.045	573851	20.0
Heneicosane	14.498	2.7	ng	77196	5	14.045	573851	20.0
Heptacosane	14.804	3.1	ng	62147	6	15.527	397655	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112625\
 Data File : BF144359.D
 Acq On : 26 Nov 2025 14:00
 Operator : RC/JU
 Sample : PB170735BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB170735BL

Quant Time: Nov 26 14:20:09 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 05 18:37:33 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	62889	20.000	ng	-0.01
21) Naphthalene-d8	8.140	136	250119	20.000	ng	-0.02
39) Acenaphthene-d10	9.898	164	143140	20.000	ng	-0.02
64) Phenanthrene-d10	11.392	188	260449	20.000	ng	-0.01
76) Chrysene-d12	14.039	240	152468	20.000	ng	#-0.01
86) Perylene-d12	15.521	264	186363	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	448236	111.535	ng	0.00
7) Phenol-d6	6.498	99	515544	113.217	ng	0.00
23) Nitrobenzene-d5	7.422	82	324549	74.942	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	202022	112.469	ng	-0.01
45) 2-Fluorobiphenyl	9.222	172	732415	75.571	ng	0.00
79) Terphenyl-d14	12.980	244	807922	84.169	ng	-0.01

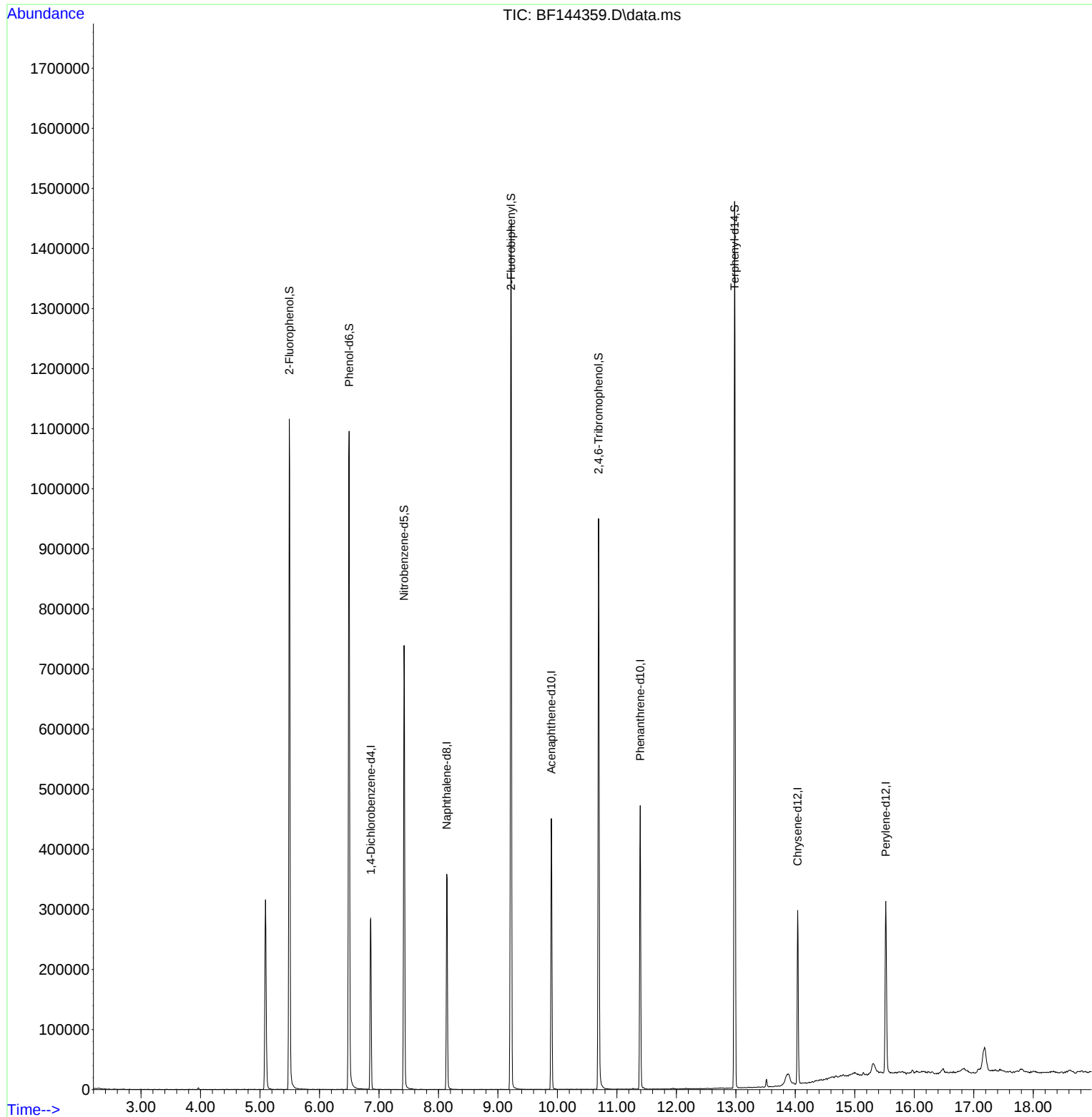
Target Compounds	Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

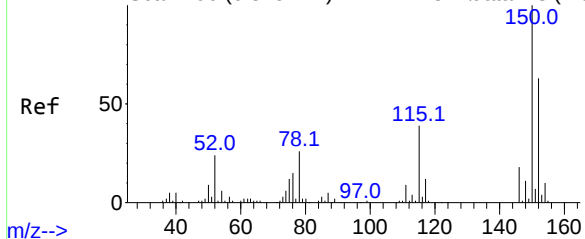
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Acq On : 26 Nov 2025 14:00
Operator : RC/JU
Sample : PB170735BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB170735BL

Quant Time: Nov 26 14:20:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 18:37:33 2025
Response via : Initial Calibration

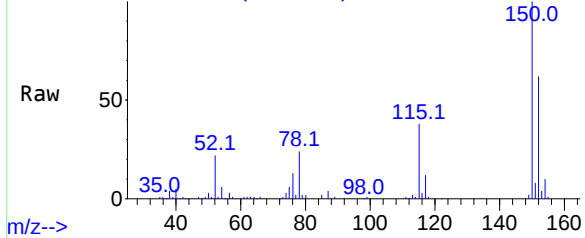


Abundance Scan 796 (6.875 min): BF144173.D\data.ms (-79



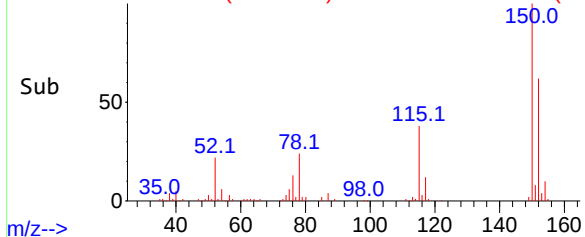
m/z-->

Abundance Scan 794 (6.863 min): BF144359.D\data.ms



m/z-->

Abundance Scan 794 (6.863 min): BF144359.D\data.ms (-77



m/z-->

#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.863 min Scan# 794

Delta R.T. -0.012 min

Lab File: BF144359.D

Acq: 26 Nov 2025 14:00

Instrument :

BNA_F

ClientSampleId :

PB170735BL

Tgt Ion:152 Resp: 62889

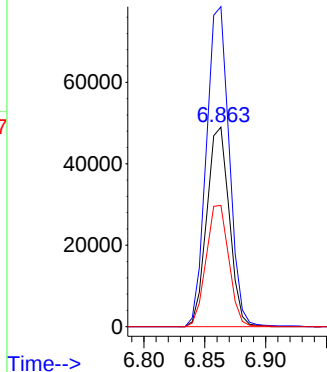
Ion Ratio Lower Upper

152 100

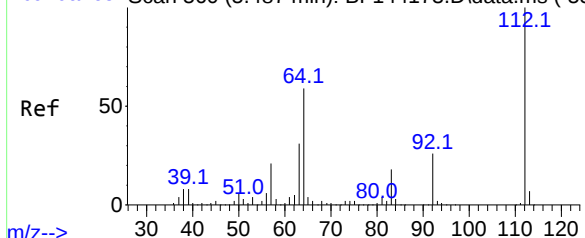
150 160.3 127.4 191.0

115 60.8 49.5 74.3

Abundance

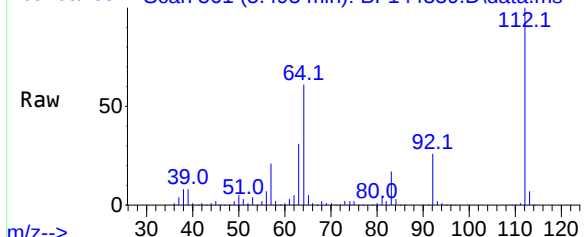


Abundance Scan 560 (5.487 min): BF144173.D\data.ms (-55



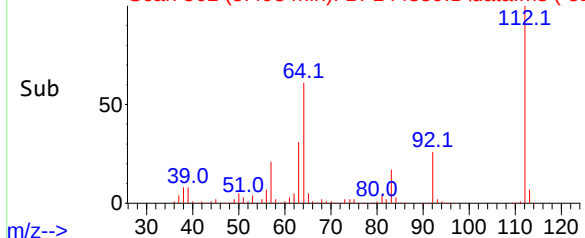
m/z-->

Abundance Scan 561 (5.493 min): BF144359.D\data.ms



m/z-->

Abundance Scan 561 (5.493 min): BF144359.D\data.ms (-51



m/z-->

#5

2-Fluorophenol

Concen: 111.535 ng

RT: 5.493 min Scan# 561

Delta R.T. 0.000 min

Lab File: BF144359.D

Acq: 26 Nov 2025 14:00

Tgt Ion:112 Resp: 448236

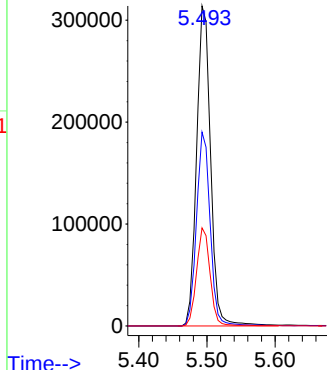
Ion Ratio Lower Upper

112 100

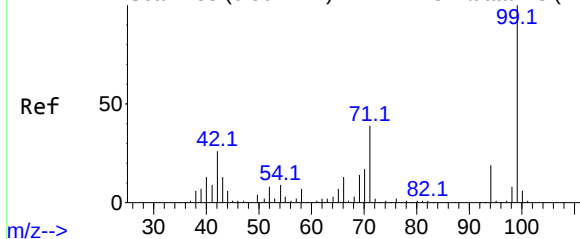
64 60.6 47.2 70.8

63 30.7 24.4 36.6

Abundance



Abundance Scan 733 (6.504 min): BF144173.D\data.ms (-72



#7

Phenol-d6

Concen: 113.217 ng

RT: 6.498 min Scan# 71

Delta R.T. 0.000 min

Lab File: BF144359.D

Acq: 26 Nov 2025 14:00

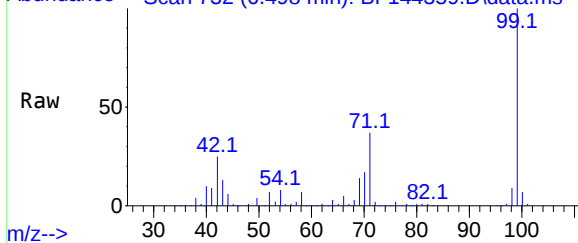
Instrument :

BNA_F

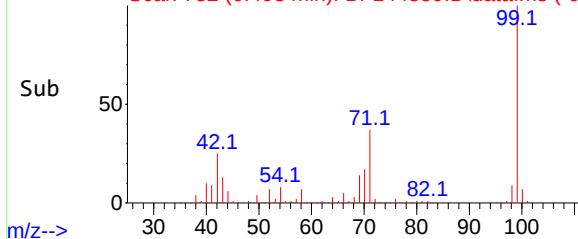
ClientSampleId :

PB170735BL

Abundance Scan 732 (6.498 min): BF144359.D\data.ms



Abundance Scan 732 (6.498 min): BF144359.D\data.ms (-68



Tgt Ion: 99 Resp: 515544

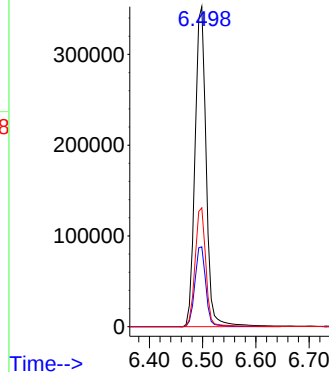
Ion Ratio Lower Upper

99 100

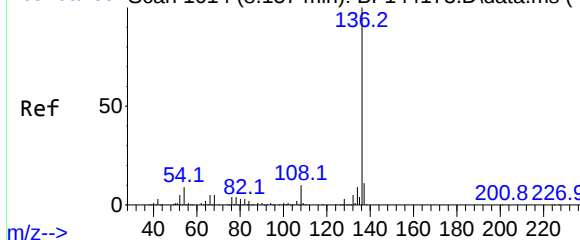
42 25.0 20.9 31.3

71 37.1 31.4 47.2

Abundance



Abundance Scan 1014 (8.157 min): BF144173.D\data.ms (-1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.140 min Scan# 1011

Delta R.T. -0.018 min

Lab File: BF144359.D

Acq: 26 Nov 2025 14:00

Tgt Ion: 136 Resp: 250119

Ion Ratio Lower Upper

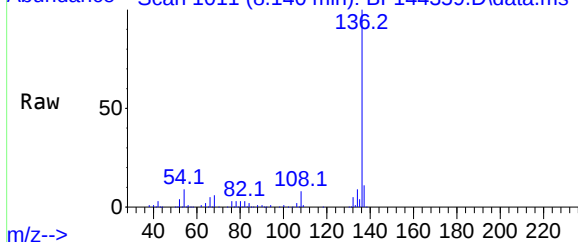
136 100

137 10.7 8.6 13.0

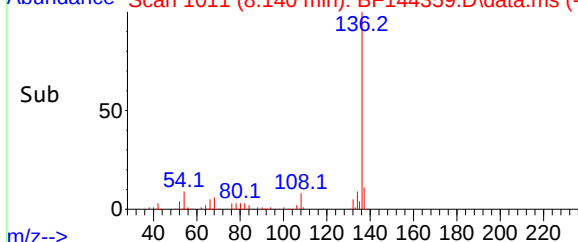
54 8.5 7.0 10.6

68 6.0 4.3 6.5

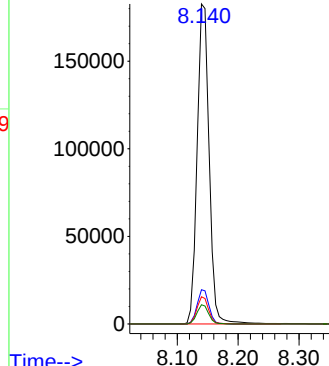
Abundance Scan 1011 (8.140 min): BF144359.D\data.ms



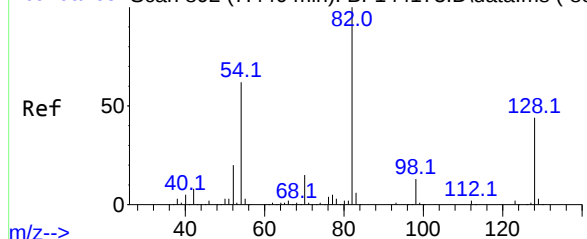
Abundance Scan 1011 (8.140 min): BF144359.D\data.ms (-9



Abundance



Abundance Scan 892 (7.440 min): BF144173.D\data.ms (-88



#23

Nitrobenzene-d5

Concen: 74.942 ng

RT: 7.422 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF144359.D

Acq: 26 Nov 2025 14:00

Instrument :

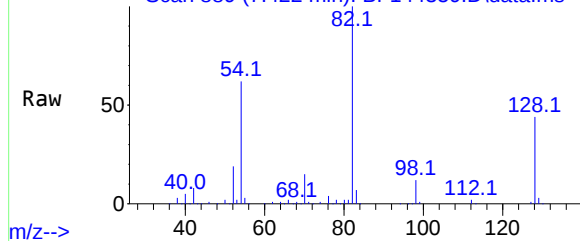
BNA_F

ClientSampleId :

PB170735BL

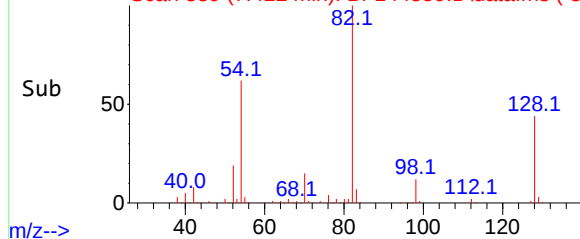
m/z-->

Abundance Scan 889 (7.422 min): BF144359.D\data.ms

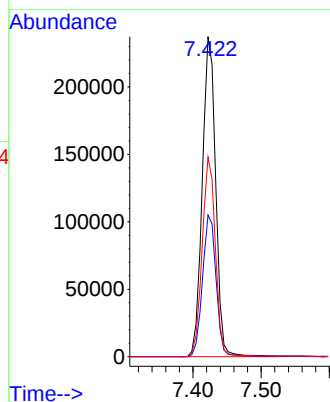


m/z-->

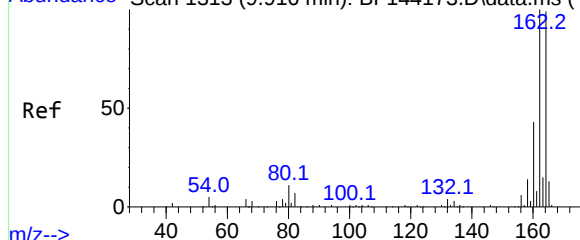
Abundance Scan 889 (7.422 min): BF144359.D\data.ms (-84



m/z-->

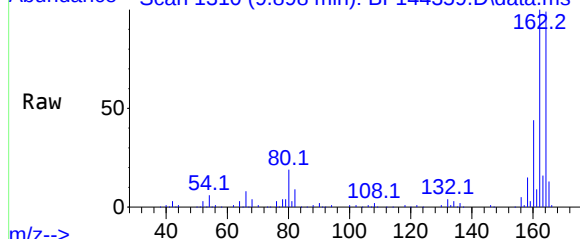


Abundance Scan 1313 (9.916 min): BF144173.D\data.ms (-1



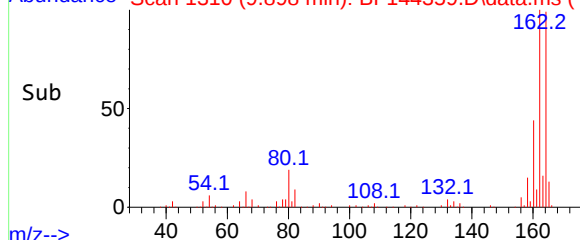
m/z-->

Abundance Scan 1310 (9.898 min): BF144359.D\data.ms



m/z-->

Abundance Scan 1310 (9.898 min): BF144359.D\data.ms (-1



m/z-->

#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.898 min Scan# 1310

Delta R.T. -0.018 min

Lab File: BF144359.D

Acq: 26 Nov 2025 14:00

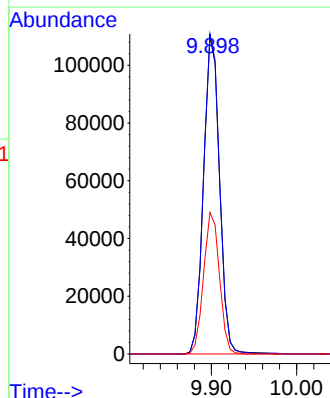
Tgt Ion:164 Resp: 143140

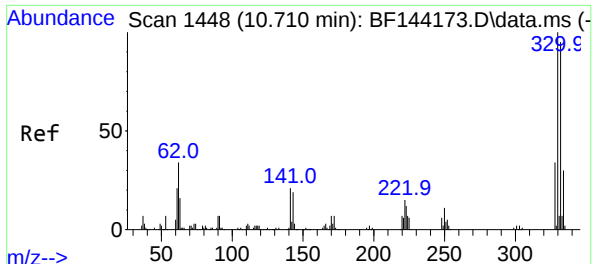
Ion Ratio Lower Upper

164 100

162 100.8 81.1 121.7

160 44.6 34.5 51.7

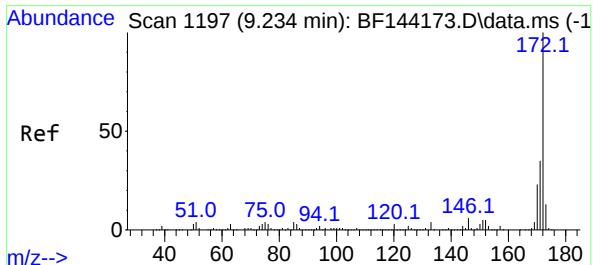
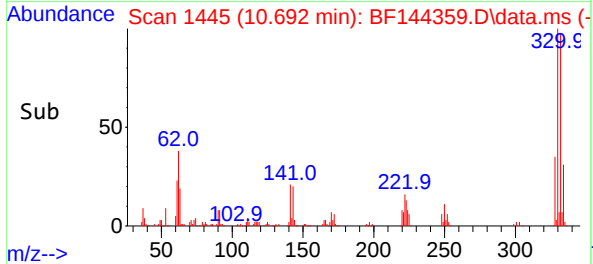
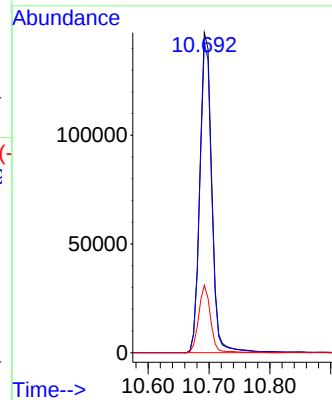
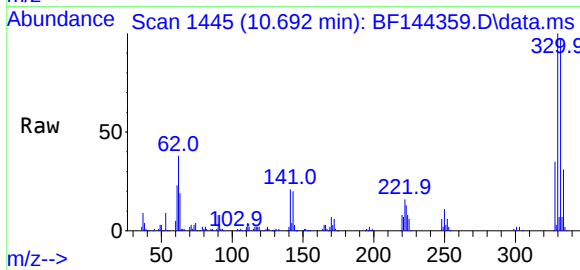




#42
2,4,6-Tribromophenol
Concen: 112.469 ng
RT: 10.692 min Scan# 1445
Delta R.T. -0.012 min
Lab File: BF144359.D
Acq: 26 Nov 2025 14:00

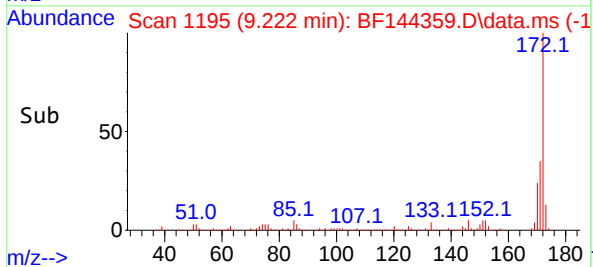
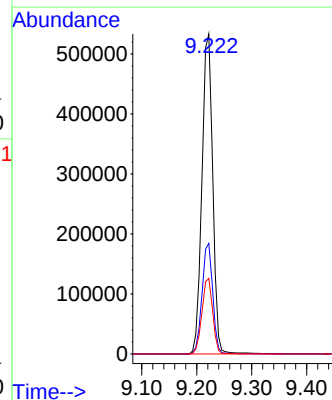
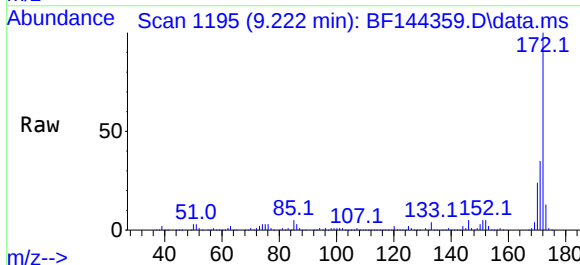
Instrument :
BNA_F
ClientSampleId :
PB170735BL

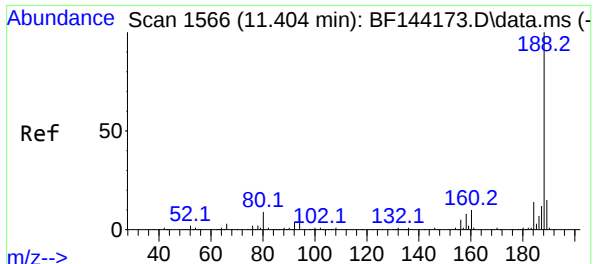
Tgt Ion:330 Resp: 202022
Ion Ratio Lower Upper
330 100
332 96.4 76.7 115.1
141 20.6 17.8 26.8



#45
2-Fluorobiphenyl
Concen: 75.571 ng
RT: 9.222 min Scan# 1195
Delta R.T. -0.006 min
Lab File: BF144359.D
Acq: 26 Nov 2025 14:00

Tgt Ion:172 Resp: 732415
Ion Ratio Lower Upper
172 100
171 34.6 28.1 42.1
170 23.6 18.6 28.0

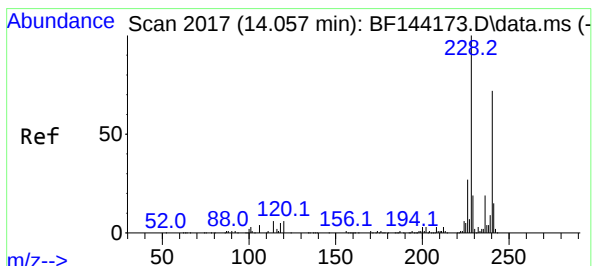
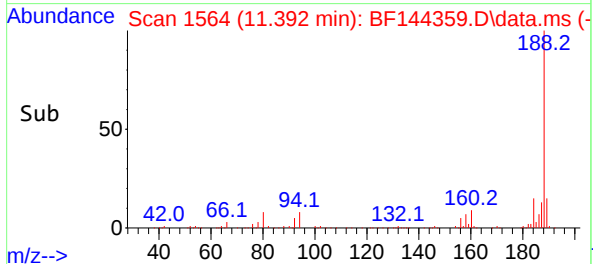
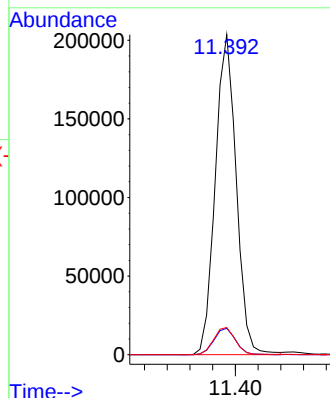
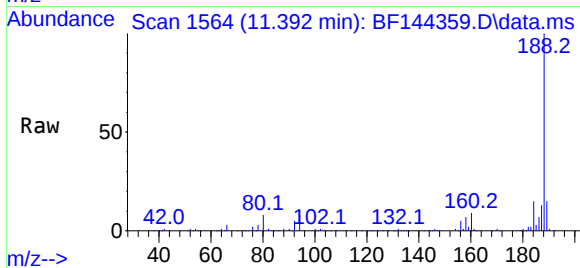




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF144359.D
Acq: 26 Nov 2025 14:00

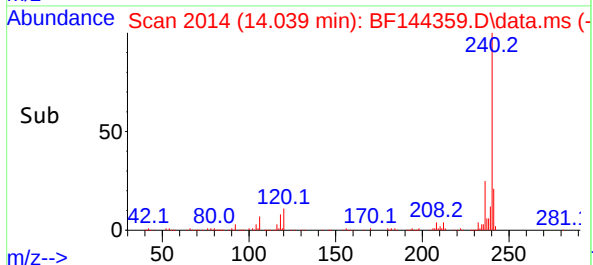
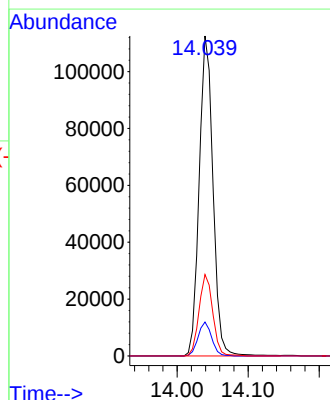
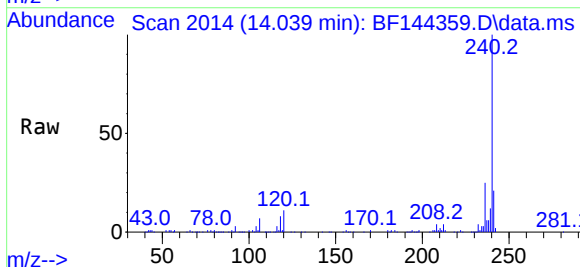
Instrument :
BNA_F
ClientSampleId :
PB170735BL

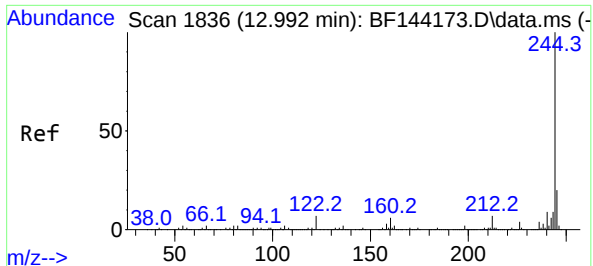
Tgt Ion:188 Resp: 260449
Ion Ratio Lower Upper
188 100
94 8.3 6.2 9.2
80 8.5 6.9 10.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2014
Delta R.T. -0.012 min
Lab File: BF144359.D
Acq: 26 Nov 2025 14:00

Tgt Ion:240 Resp: 152468
Ion Ratio Lower Upper
240 100
120 10.6 6.6 10.0#
236 25.4 21.4 32.2





#79

Terphenyl-d14

Concen: 84.169 ng

RT: 12.980 min Scan# 1834

Delta R.T. -0.012 min

Lab File: BF144359.D

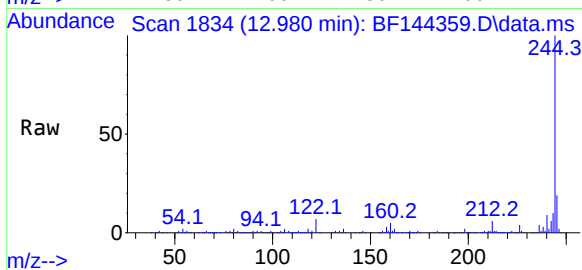
Acq: 26 Nov 2025 14:00

Instrument :

BNA_F

ClientSampleId :

PB170735BL



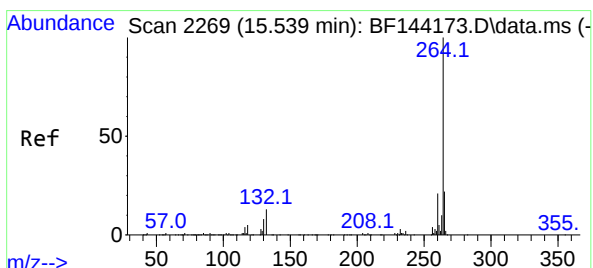
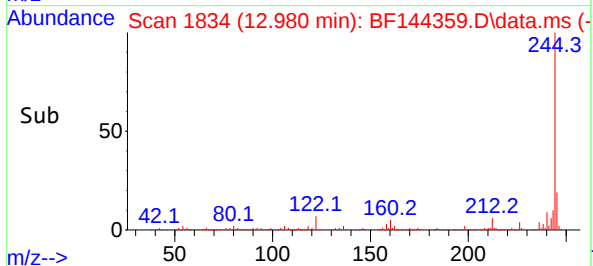
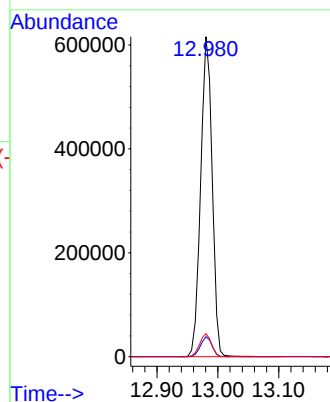
Tgt Ion:244 Resp: 807922

Ion Ratio Lower Upper

244 100

212 6.3 5.3 7.9

122 7.2 5.6 8.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.521 min Scan# 2266

Delta R.T. -0.018 min

Lab File: BF144359.D

Acq: 26 Nov 2025 14:00

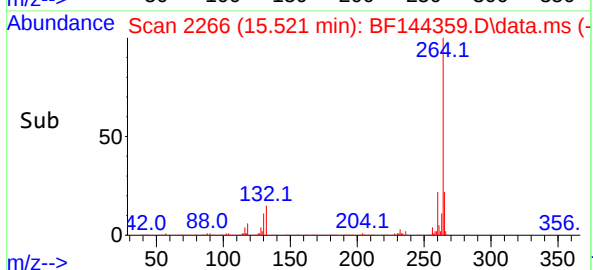
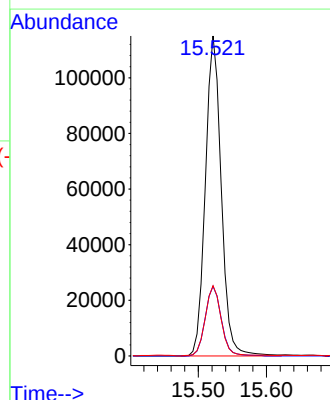
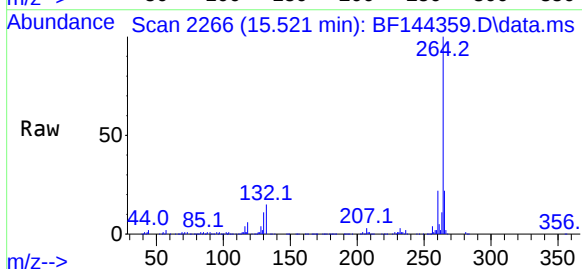
Tgt Ion:264 Resp: 186363

Ion Ratio Lower Upper

264 100

260 21.8 17.1 25.7

265 22.0 17.4 26.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112625\
Data File : BF144359.D
Acq On : 26 Nov 2025 14:00
Operator : RC/JU
Sample : PB170735BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB170735BL

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF144359.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.093	486	493	511	rBV	315959	508465	26.01%	3.934%
2	5.493	556	561	590	rBV	1115698	1556363	79.61%	12.042%
3	6.498	726	732	751	rBV	1095602	1570333	80.32%	12.151%
4	6.863	789	794	801	rBV	283681	367528	18.80%	2.844%
5	7.422	883	889	908	rBV	739135	1011102	51.72%	7.823%
6	8.140	1006	1011	1020	rBV	358323	479865	24.54%	3.713%
7	9.222	1188	1195	1200	rBV	1440340	1955055	100.00%	15.127%
8	9.898	1305	1310	1318	rBV	450737	579329	29.63%	4.483%
9	10.692	1440	1445	1467	rBV	949877	1274674	65.20%	9.863%
10	11.392	1559	1564	1571	rBV	471931	600241	30.70%	4.644%
11	12.980	1828	1834	1839	rBV	1476203	1930217	98.73%	14.935%
12	13.880	1971	1987	1999	rBV6	17962	94361	4.83%	0.730%
13	14.039	2009	2014	2021	rBV	289013	385924	19.74%	2.986%
14	15.521	2260	2266	2279	rVB	286158	461387	23.60%	3.570%
15	17.180	2541	2548	2564	rVB2	39181	149123	7.63%	1.154%

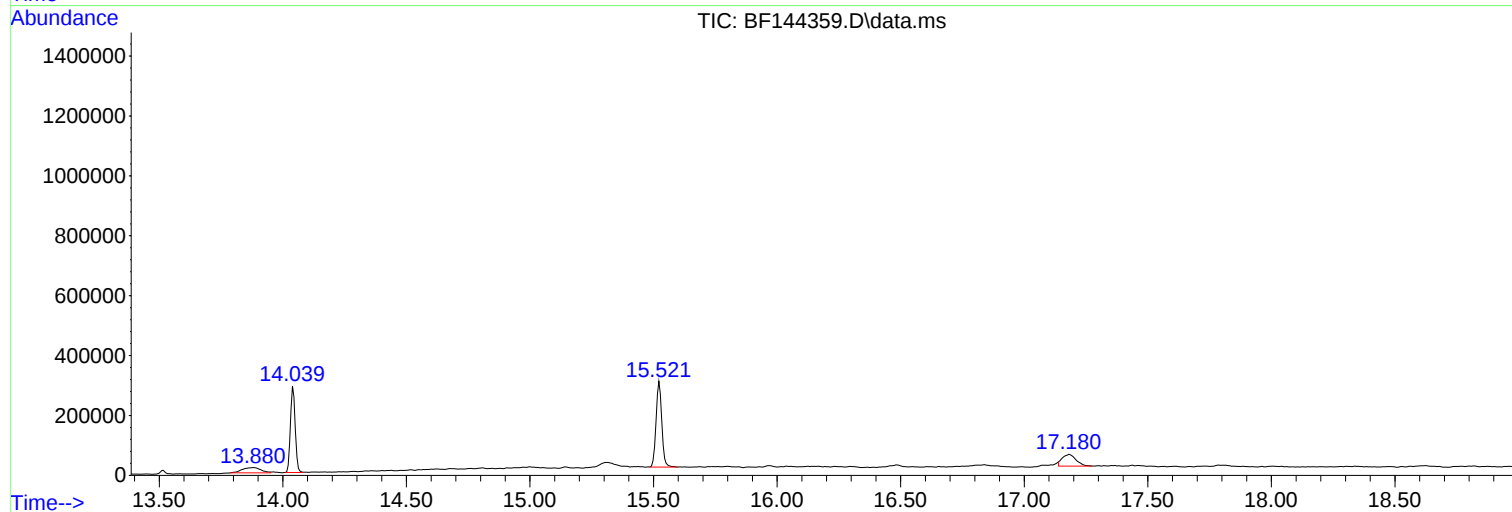
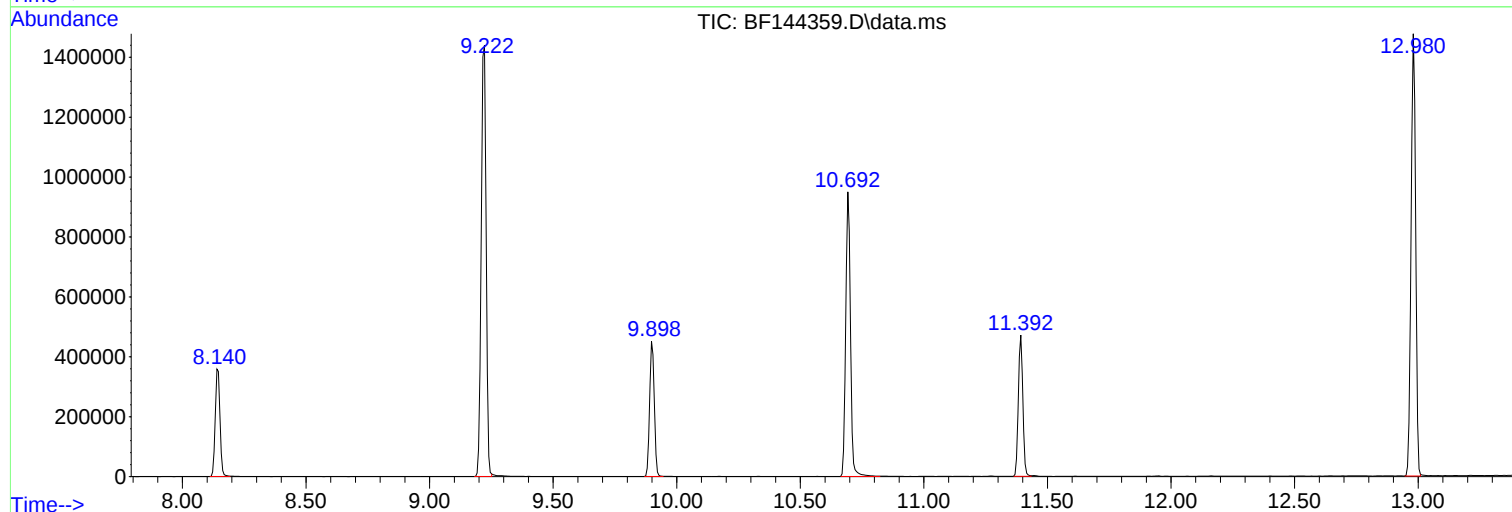
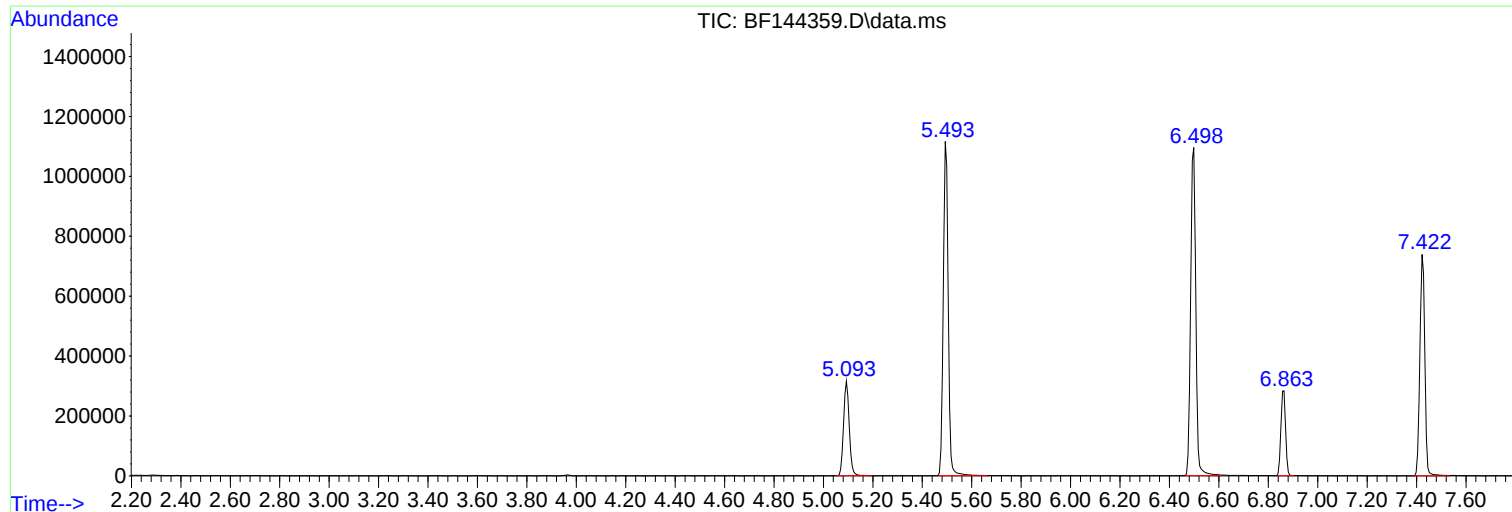
Sum of corrected areas: 12923967

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112625\
Data File : BF144359.D
Acq On : 26 Nov 2025 14:00
Operator : RC/JU
Sample : PB170735BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB170735BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library :
TIC Integration Parameters: rteint.p



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112625\
Data File : BF144359.D
Acq On : 26 Nov 2025 14:00
Operator : RC/JU
Sample : PB170735BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB170735BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library :
TIC Integration Parameters: rteint.p

No Library Search Compounds Detected

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112625\
Data File : BF144359.D
Acq On : 26 Nov 2025 14:00
Operator : RC/JU
Sample : PB170735BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB170735BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library :
TIC Integration Parameters: rteint.p

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--
				#	RT Resp Conc

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112625\
 Data File : BF144360.D
 Acq On : 26 Nov 2025 14:30
 Operator : RC/JU
 Sample : PB170735BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

PB170735BS

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025

Supervised By :mohammad ahmed 12/03/2025

Quant Time: Nov 26 14:58:21 2025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Nov 05 18:37:33 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	62512	20.000	ng	-0.01
21) Naphthalene-d8	8.145	136	243072	20.000	ng	-0.01
39) Acenaphthene-d10	9.904	164	133431	20.000	ng	-0.01
64) Phenanthrene-d10	11.392	188	215808	20.000	ng	#-0.01
76) Chrysene-d12	14.045	240	134794	20.000	ng	0.00
86) Perylene-d12	15.521	264	165299	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	447382	111.994	ng	0.00
7) Phenol-d6	6.498	99	512886	113.312	ng	0.00
23) Nitrobenzene-d5	7.428	82	328025	77.940	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	179624	107.276	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	702806	77.793	ng	0.00
79) Terphenyl-d14	12.980	244	649091	76.489	ng	-0.01
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.669	88	63396	38.386	ng	97
3) Pyridine	3.446	79	162211	35.205	ng	98
4) n-Nitrosodimethylamine	3.387	42	96312	40.018	ng	85
6) Aniline	6.528	93	201632	31.266	ng	# 87
8) 2-Chlorophenol	6.651	128	171879	43.874	ng	97
9) Benzaldehyde	6.416	77	124314	48.638	ng	99
10) Phenol	6.516	94	224044	40.513	ng	86
11) bis(2-Chloroethyl)ether	6.598	93	178307	44.249	ng	99
12) 1,3-Dichlorobenzene	6.804	146	198783	41.121	ng	98
13) 1,4-Dichlorobenzene	6.881	146	203695	42.059	ng	99
14) 1,2-Dichlorobenzene	7.034	146	196702	42.375	ng	99
15) Benzyl Alcohol	7.004	79	154241	43.035	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.134	45	337314	45.456	ng	90
17) 2-Methylphenol	7.122	107	133053	42.692	ng	96
18) Hexachloroethane	7.369	117	66621	41.405	ng	92
19) n-Nitroso-di-n-propyla...	7.275	70	124149	41.665	ng	97
20) 3+4-Methylphenols	7.275	107	153173	41.693	ng	92
22) Acetophenone	7.275	105	236329	45.322	ng	98
24) Nitrobenzene	7.445	77	186706	40.858	ng	96
25) Isophorone	7.687	82	348682	43.800	ng	98
26) 2-Nitrophenol	7.763	139	99780	44.110	ng	96
27) 2,4-Dimethylphenol	7.798	122	161642	47.676	ng	98
28) bis(2-Chloroethoxy)met...	7.892	93	220667	44.389	ng	98
29) 2,4-Dichlorophenol	8.004	162	161736	41.389	ng	99
30) 1,2,4-Trichlorobenzene	8.086	180	172217	42.919	ng	96
31) Naphthalene	8.169	128	474435	41.032	ng	99
32) Benzoic acid	7.934	122	116638	46.932	ng	93
33) 4-Chloroaniline	8.216	127	109190	25.892	ng	98
34) Hexachlorobutadiene	8.281	225	116667	38.579	ng	99
35) Caprolactam	8.592	113	48709m	45.497	ng	
36) 4-Chloro-3-methylphenol	8.704	107	146282	41.770	ng	99
37) 2-Methylnaphthalene	8.857	142	296221	38.317	ng	100
38) 1-Methylnaphthalene	8.957	142	299567	40.160	ng	99
40) 1,2,4,5-Tetrachloroben...	9.028	216	197809	45.235	ng	99
41) Hexachlorocyclopentadiene	9.010	237	122939	74.159	ng	97
43) 2,4,6-Trichlorophenol	9.139	196	120737	40.566	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112625\
 Data File : BF144360.D
 Acq On : 26 Nov 2025 14:30
 Operator : RC/JU
 Sample : PB170735BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB170735BS

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
 Supervised By :mohammad ahmed 12/03/2025

Quant Time: Nov 26 14:58:21 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 05 18:37:33 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.186	196	129840	40.476	ng	98
46) 1,1'-Biphenyl	9.322	154	436999	46.919	ng	99
47) 2-Chloronaphthalene	9.351	162	327853	41.266	ng	99
48) 2-Nitroaniline	9.445	65	98103	42.796	ng	96
49) Acenaphthylene	9.763	152	507247	46.852	ng	100
50) Dimethylphthalate	9.622	163	389505	44.064	ng	99
51) 2,6-Dinitrotoluene	9.692	165	83030	46.401	ng	91
52) Acenaphthene	9.939	154	279188	38.562	ng	99
53) 3-Nitroaniline	9.863	138	61989	31.690	ng	96
54) 2,4-Dinitrophenol	9.975	184	83999	77.738	ng	98
55) Dibenzofuran	10.110	168	420507	41.471	ng	98
56) 4-Nitrophenol	10.033	139	91018	64.325	ng	94
57) 2,4-Dinitrotoluene	10.098	165	104056	43.439	ng	97
58) Fluorene	10.457	166	328997	42.675	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.233	232	96596	42.562	ng	99
60) Diethylphthalate	10.322	149	349165	42.849	ng	99
61) 4-Chlorophenyl-phenyle...	10.445	204	177973	40.527	ng	99
62) 4-Nitroaniline	10.475	138	73519	39.466	ng	90
63) Azobenzene	10.604	77	335293	44.212	ng	98
65) 4,6-Dinitro-2-methylph...	10.510	198	61656	42.055	ng	95
66) n-Nitrosodiphenylamine	10.563	169	318960	45.953	ng	99
67) 4-Bromophenyl-phenylether	10.933	248	116495	42.291	ng	97
68) Hexachlorobenzene	11.004	284	136422	42.047	ng	97
69) Atrazine	11.092	200	98014	44.403	ng	98
70) Pentachlorophenol	11.204	266	128729	79.676	ng	98
71) Phenanthrene	11.422	178	466230	43.391	ng	99
72) Anthracene	11.469	178	461409	42.232	ng	99
73) Carbazole	11.627	167	388712	41.840	ng	100
74) Di-n-butylphthalate	11.951	149	502995	44.786	ng	98
75) Fluoranthene	12.610	202	454684	40.965	ng	99
77) Benzidine	12.733	184	72952	18.297	ng	99
78) Pyrene	12.839	202	452414	41.627	ng	99
80) Butylbenzylphthalate	13.457	149	168470	44.725	ng	99
81) Benzo(a)anthracene	14.033	228	407888	43.661	ng	99
82) 3,3'-Dichlorobenzidine	13.992	252	118978	37.154	ng	97
83) Chrysene	14.068	228	371894	43.123	ng	97
84) Bis(2-ethylhexyl)phtha...	14.010	149	247038	47.908	ng	100
85) Di-n-octyl phthalate	14.627	149	453732	51.000	ng	100
87) Indeno(1,2,3-cd)pyrene	17.033	276	543435	45.798	ng	97
88) Benzo(b)fluoranthene	15.092	252	510236	54.294	ng	99
89) Benzo(k)fluoranthene	15.121	252	395532	44.967	ng	99
90) Benzo(a)pyrene	15.462	252	445511	51.387	ng	98
91) Dibenzo(a,h)anthracene	17.045	278	451681	47.398	ng	99
92) Benzo(g,h,i)perylene	17.486	276	453226	48.162	ng	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

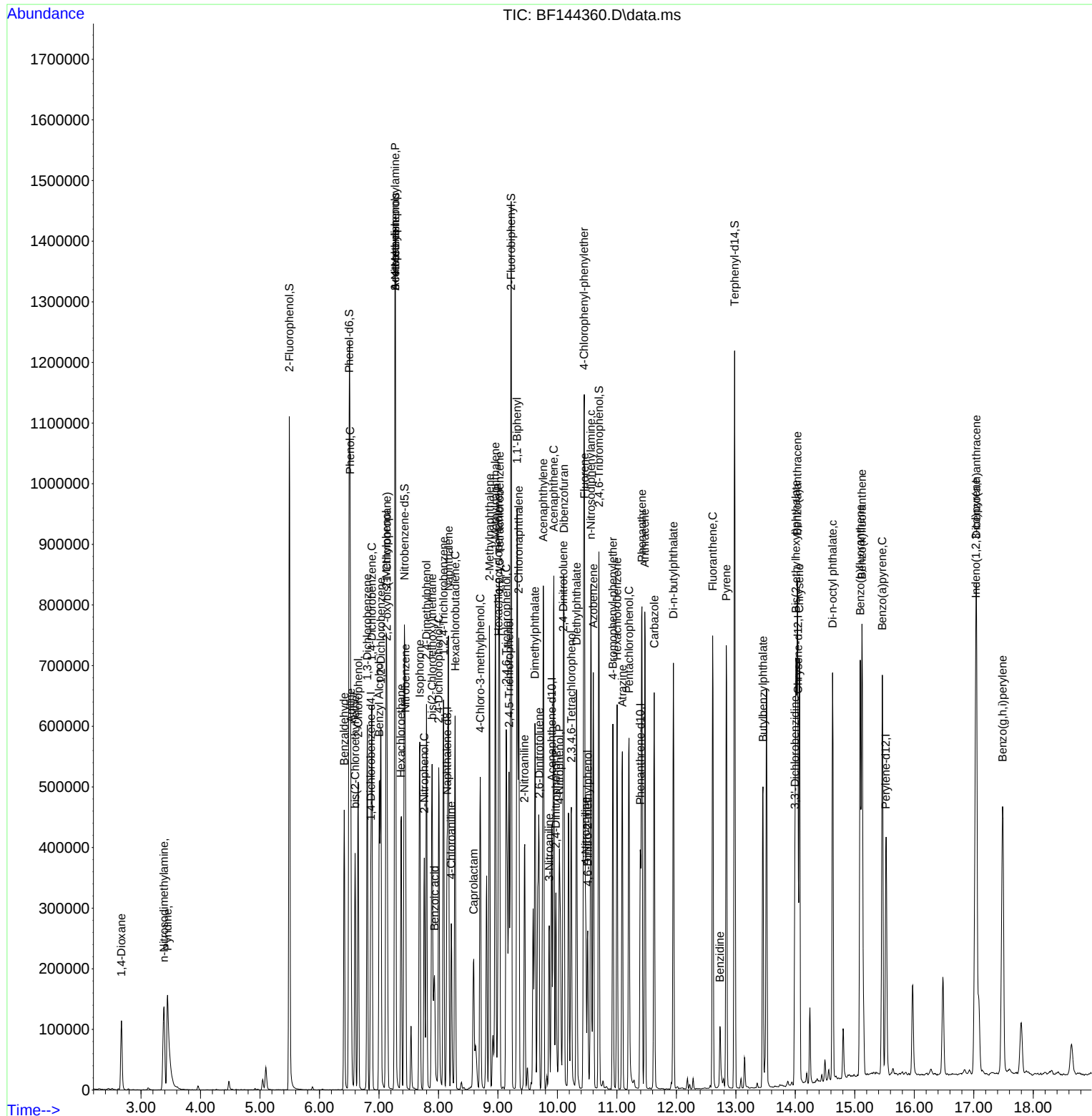
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Data File : BF144360.D  
Acq On    : 26 Nov 2025  14:30  
Operator  : RC/JU  
Sample    : PB170735BS  
Misc      :  
ALS Vial  : 4    Sample Multiplier: 1
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Instrument :
BNA_F
ClientSampleId :
PB170735BS

Manual Integrations

Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025

Quant Time: Nov 26 14:58:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 18:37:33 2025
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP120125\
 Data File : BP026201.D
 Acq On : 01 Dec 2025 17:51
 Operator : RC/JU
 Sample : Q3719-10MS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SB-1125-15BMS

Quant Time: Dec 01 18:17:49 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP111825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 19 01:25:31 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.655	152	233034	20.000	ng	-0.02
21) Naphthalene-d8	10.413	136	911777	20.000	ng	-0.04
39) Acenaphthene-d10	14.290	164	569978	20.000	ng	-0.04
64) Phenanthrene-d10	17.095	188	1129941	20.000	ng	-0.04
76) Chrysene-d12	21.536	240	1151085	20.000	ng	-0.04
86) Perylene-d12	24.830	264	1323407	20.000	ng	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.278	112	923920	63.638	ng	-0.01
7) Phenol-d6	6.837	99	1166768	63.126	ng	-0.02
23) Nitrobenzene-d5	8.790	82	684932	42.670	ng	-0.02
42) 2,4,6-Tribromophenol	15.807	330	481439	65.112	ng	-0.03
45) 2-Fluorobiphenyl	12.896	172	1626385	41.820	ng	-0.04
79) Terphenyl-d14	19.836	244	2507666	44.421	ng	-0.04
Target Compounds						Qvalue
2) 1,4-Dioxane	3.220	88	250774	42.585	ng	98
3) Pyridine	3.608	79	662225	38.913	ng	100
4) n-Nitrosodimethylamine	3.514	42	304533	47.880	ng	89
6) Aniline	6.990	93	630018	25.816	ng	99
8) 2-Chlorophenol	7.225	128	788736	47.727	ng	99
9) Benzaldehyde	6.802	77	314375	32.457	ng	100
10) Phenol	6.861	94	930117	46.713	ng	97
11) bis(2-Chloroethyl)ether	7.084	93	701792	45.015	ng	98
12) 1,3-Dichlorobenzene	7.543	146	855675	48.060	ng	99
13) 1,4-Dichlorobenzene	7.690	146	866519	48.300	ng	100
14) 1,2-Dichlorobenzene	8.002	146	834465	48.438	ng	100
15) Benzyl Alcohol	7.890	79	624651	46.131	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.172	45	998081	45.585	ng	100
17) 2-Methylphenol	8.096	107	629245	46.424	ng	98
18) Hexachloroethane	8.719	117	309058	47.346	ng	98
19) n-Nitroso-di-n-propyla...	8.449	70	505235	44.000	ng	97
20) 3+4-Methylphenols	8.413	107	853730	45.454	ng	100
22) Acetophenone	8.461	105	1096937	47.332	ng	99
24) Nitrobenzene	8.831	77	764580	47.089	ng	99
25) Isophorone	9.361	82	1458953	45.847	ng	99
26) 2-Nitrophenol	9.537	139	401702	48.892	ng	98
27) 2,4-Dimethylphenol	9.602	122	703951	47.516	ng	100
28) bis(2-Chloroethoxy)met...	9.831	93	922117	46.269	ng	100
29) 2,4-Dichlorophenol	10.066	162	733579	49.541	ng	99
30) 1,2,4-Trichlorobenzene	10.284	180	776015	51.465	ng	99
31) Naphthalene	10.466	128	2311162	46.902	ng	99
32) Benzoic acid	9.737	122	551835	44.231	ng	98
33) 4-Chloroaniline	10.572	127	426200	20.338	ng	100
34) Hexachlorobutadiene	10.760	225	484470	49.402	ng	99
35) Caprolactam	11.355	113	240085	45.280	ng	94
36) 4-Chloro-3-methylphenol	11.702	107	762537	48.452	ng	100
37) 2-Methylnaphthalene	12.078	142	1498324	42.890	ng	100
38) 1-Methylnaphthalene	12.307	142	1552007	45.453	ng	99
40) 1,2,4,5-Tetrachloroben...	12.454	216	872851	50.645	ng	99
41) Hexachlorocyclopentadiene	12.437	237	1071835	95.026	ng	100
43) 2,4,6-Trichlorophenol	12.690	196	594644	50.327	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP120125\
 Data File : BP026201.D
 Acq On : 01 Dec 2025 17:51
 Operator : RC/JU
 Sample : Q3719-10MS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SB-1125-15BMS

Quant Time: Dec 01 18:17:49 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP111825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 19 01:25:31 2025
 Response via : Initial Calibration

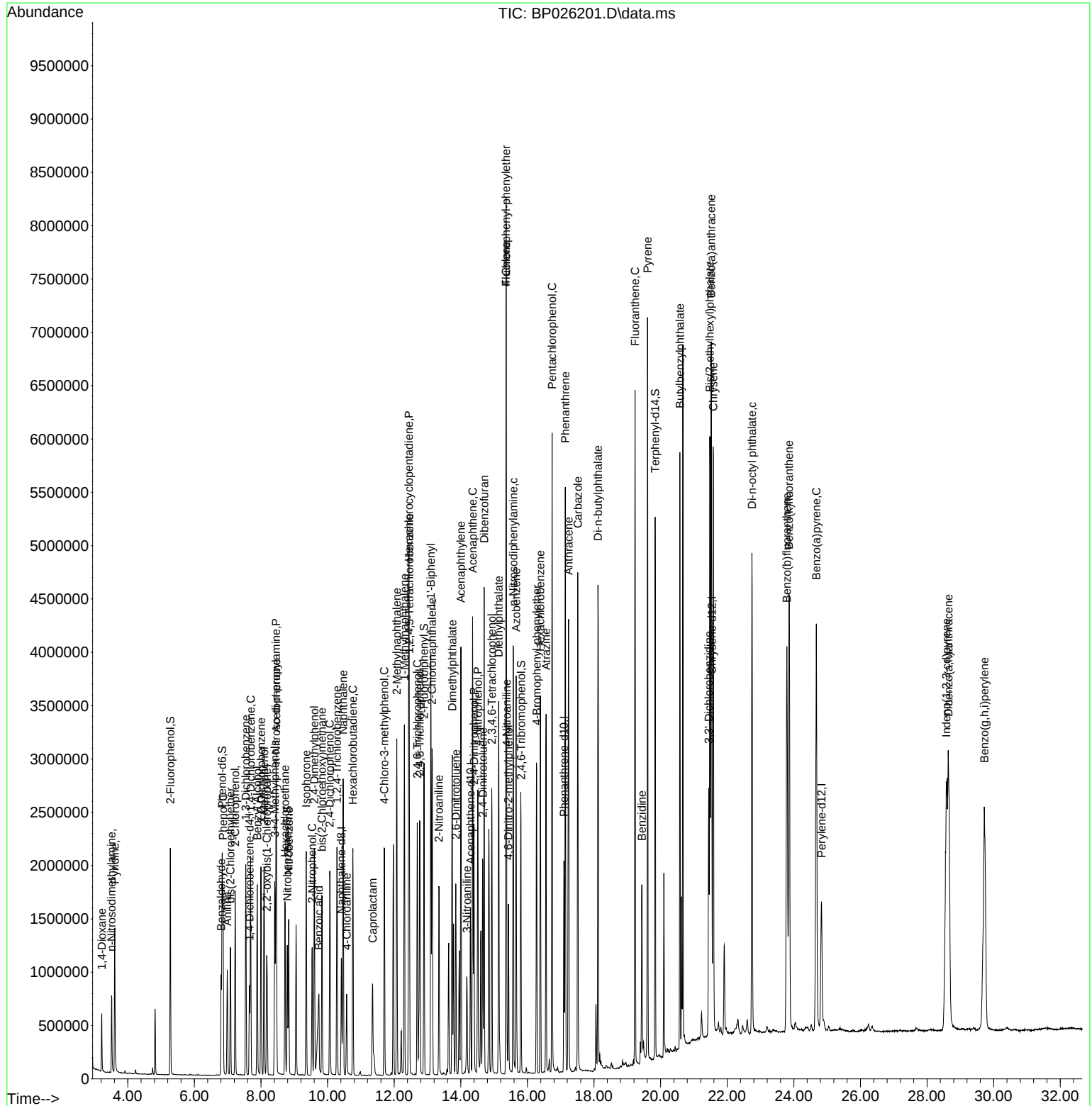
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.766	196	656295	49.761	ng	100
46) 1,1'-Biphenyl	13.101	154	2111302	49.193	ng	99
47) 2-Chloronaphthalene	13.137	162	1637408	48.516	ng	99
48) 2-Nitroaniline	13.343	65	461630	49.187	ng	95
49) Acenaphthylene	14.001	152	2739172	49.204	ng	100
50) Dimethylphthalate	13.743	163	2043526	48.002	ng	100
51) 2,6-Dinitrotoluene	13.849	165	457796	54.271	ng	99
52) Acenaphthene	14.354	154	1541992	47.265	ng	99
53) 3-Nitroaniline	14.184	138	302286	30.436	ng	99
54) 2,4-Dinitrophenol	14.396	184	543215	106.681	ng	97
55) Dibenzofuran	14.701	168	2439496	48.278	ng	99
56) 4-Nitrophenol	14.513	139	830971	92.485	ng	95
57) 2,4-Dinitrotoluene	14.660	165	637580	50.621	ng	98
58) Fluorene	15.360	166	1962637	49.141	ng	99
59) 2,3,4,6-Tetrachlorophenol	14.931	232	586135	52.385	ng	99
60) Diethylphthalate	15.137	149	2241447	52.266	ng	100
61) 4-Chlorophenyl-phenylether	15.360	204	976947	49.162	ng	99
62) 4-Nitroaniline	15.378	138	436714	42.344	ng	96
63) Azobenzene	15.660	77	1905150	52.687	ng	99
65) 4,6-Dinitro-2-methylph...	15.431	198	362269	50.467	ng	98
66) n-Nitrosodiphenylamine	15.578	169	1775615	50.799	ng	100
67) 4-Bromophenyl-phenylether	16.278	248	634525	50.706	ng	100
68) Hexachlorobenzene	16.390	284	745760	51.358	ng	100
69) Atrazine	16.560	200	670034	50.835	ng	98
70) Pentachlorophenol	16.742	266	1025730	100.983	ng	100
71) Phenanthrene	17.137	178	3215634	50.519	ng	100
72) Anthracene	17.237	178	3257412	50.174	ng	100
73) Carbazole	17.513	167	2967469	48.125	ng	100
74) Di-n-butylphthalate	18.119	149	3754359	51.358	ng	100
75) Fluoranthene	19.231	202	3879717	50.166	ng	99
77) Benzidine	19.436	184	1205912	33.011	ng	99
78) Pyrene	19.607	202	3990288	52.870	ng	99
80) Butylbenzylphthalate	20.578	149	1665637	50.112	ng	99
81) Benzo(a)anthracene	21.519	228	3944904	49.901	ng	100
82) 3,3'-Dichlorobenzidine	21.442	252	952449	33.130	ng	99
83) Chrysene	21.583	228	3694023	49.581	ng	100
84) Bis(2-ethylhexyl)phtha...	21.477	149	2469683	49.085	ng	99
85) Di-n-octyl phthalate	22.742	149	4234005	48.125	ng	100
87) Indeno(1,2,3-cd)pyrene	28.577	276	5124135	51.628	ng	94
88) Benzo(b)fluoranthene	23.789	252	4141922	51.393	ng	100
89) Benzo(k)fluoranthene	23.854	252	4026385	50.019	ng	100
90) Benzo(a)pyrene	24.677	252	4013559	52.575	ng	99
91) Dibenzo(a,h)anthracene	28.642	278	4124078	50.760	ng	98
92) Benzo(g,h,i)perylene	29.718	276	4117869	50.992	ng	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP120125\  
Data File : BP026201.D  
Acq On    : 01 Dec 2025  17:51  
Operator  : RC/JU  
Sample    : Q3719-10MS  
Misc      :  
ALS Vial  : 6    Sample Multiplier: 1
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Instrument :
BNA_P
ClientSampleId :
SB-1125-15BMS

Quant Time: Dec 01 18:17:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP111825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 19 01:25:31 2025
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP120125\
 Data File : BP026202.D
 Acq On : 01 Dec 2025 18:40
 Operator : RC/JU
 Sample : Q3719-10MSD
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SB-1125-15BMSD

Quant Time: Dec 02 00:29:12 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP111825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 19 01:25:31 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.637	152	222842	20.000	ng	-0.04
21) Naphthalene-d8	10.401	136	845732	20.000	ng	-0.05
39) Acenaphthene-d10	14.277	164	491065	20.000	ng	-0.05
64) Phenanthrene-d10	17.101	188	902556	20.000	ng	-0.03
76) Chrysene-d12	21.536	240	1043295	20.000	ng	-0.04
86) Perylene-d12	24.824	264	1293508	20.000	ng	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.260	112	865199	62.319	ng	-0.03
7) Phenol-d6	6.813	99	1065324	60.274	ng	-0.04
23) Nitrobenzene-d5	8.766	82	638500	42.884	ng	-0.05
42) 2,4,6-Tribromophenol	15.813	330	384407	60.344	ng	-0.02
45) 2-Fluorobiphenyl	12.878	172	1447177	43.191	ng	-0.05
79) Terphenyl-d14	19.836	244	2066748	40.393	ng	-0.04
Target Compounds						Qvalue
2) 1,4-Dioxane	3.202	88	248683	44.162	ng	98
3) Pyridine	3.590	79	643036	39.513	ng	99
4) n-Nitrosodimethylamine	3.502	42	294846	48.477	ng	91
6) Aniline	6.966	93	557973	23.910	ng	99
8) 2-Chlorophenol	7.207	128	740022	46.828	ng	99
9) Benzaldehyde	6.784	77	295547	31.908	ng	98
10) Phenol	6.837	94	856649	44.991	ng	97
11) bis(2-Chloroethyl)ether	7.060	93	669977	44.940	ng	97
12) 1,3-Dichlorobenzene	7.525	146	832806	48.915	ng	99
13) 1,4-Dichlorobenzene	7.672	146	836181	48.740	ng	99
14) 1,2-Dichlorobenzene	7.978	146	805475	48.894	ng	99
15) Benzyl Alcohol	7.866	79	577420	44.593	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.154	45	950350	45.390	ng	100
17) 2-Methylphenol	8.072	107	582882	44.970	ng	99
18) Hexachloroethane	8.701	117	299224	47.936	ng	98
19) n-Nitroso-di-n-propyla...	8.425	70	472913	43.069	ng	97
20) 3+4-Methylphenols	8.395	107	774081	43.098	ng	98
22) Acetophenone	8.442	105	1031555	47.987	ng	99
24) Nitrobenzene	8.813	77	720827	47.861	ng	100
25) Isophorone	9.342	82	1314608	44.537	ng	100
26) 2-Nitrophenol	9.519	139	367801	48.262	ng	97
27) 2,4-Dimethylphenol	9.589	122	630433	45.876	ng	99
28) bis(2-Chloroethoxy)met...	9.813	93	848124	45.879	ng	100
29) 2,4-Dichlorophenol	10.054	162	651652	47.445	ng	99
30) 1,2,4-Trichlorobenzene	10.272	180	730642	52.240	ng	99
31) Naphthalene	10.448	128	2147731	46.989	ng	99
32) Benzoic acid	9.707	122	448609	38.765	ng	99
33) 4-Chloroaniline	10.554	127	411341	21.162	ng	99
34) Hexachlorobutadiene	10.742	225	466143	51.245	ng	99
35) Caprolactam	11.336	113	193449	39.334	ng	100
36) 4-Chloro-3-methylphenol	11.695	107	640441	43.871	ng	98
37) 2-Methylnaphthalene	12.072	142	1341389	41.396	ng	99
38) 1-Methylnaphthalene	12.295	142	1399643	44.192	ng	99
40) 1,2,4,5-Tetrachloroben...	12.448	216	783446	52.763	ng	99
41) Hexachlorocyclopentadiene	12.436	237	1001313	103.039	ng	98
43) 2,4,6-Trichlorophenol	12.695	196	507742	49.878	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP120125\
 Data File : BP026202.D
 Acq On : 01 Dec 2025 18:40
 Operator : RC/JU
 Sample : Q3719-10MSD
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SB-1125-15BMSD

Quant Time: Dec 02 00:29:12 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP111825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 19 01:25:31 2025
 Response via : Initial Calibration

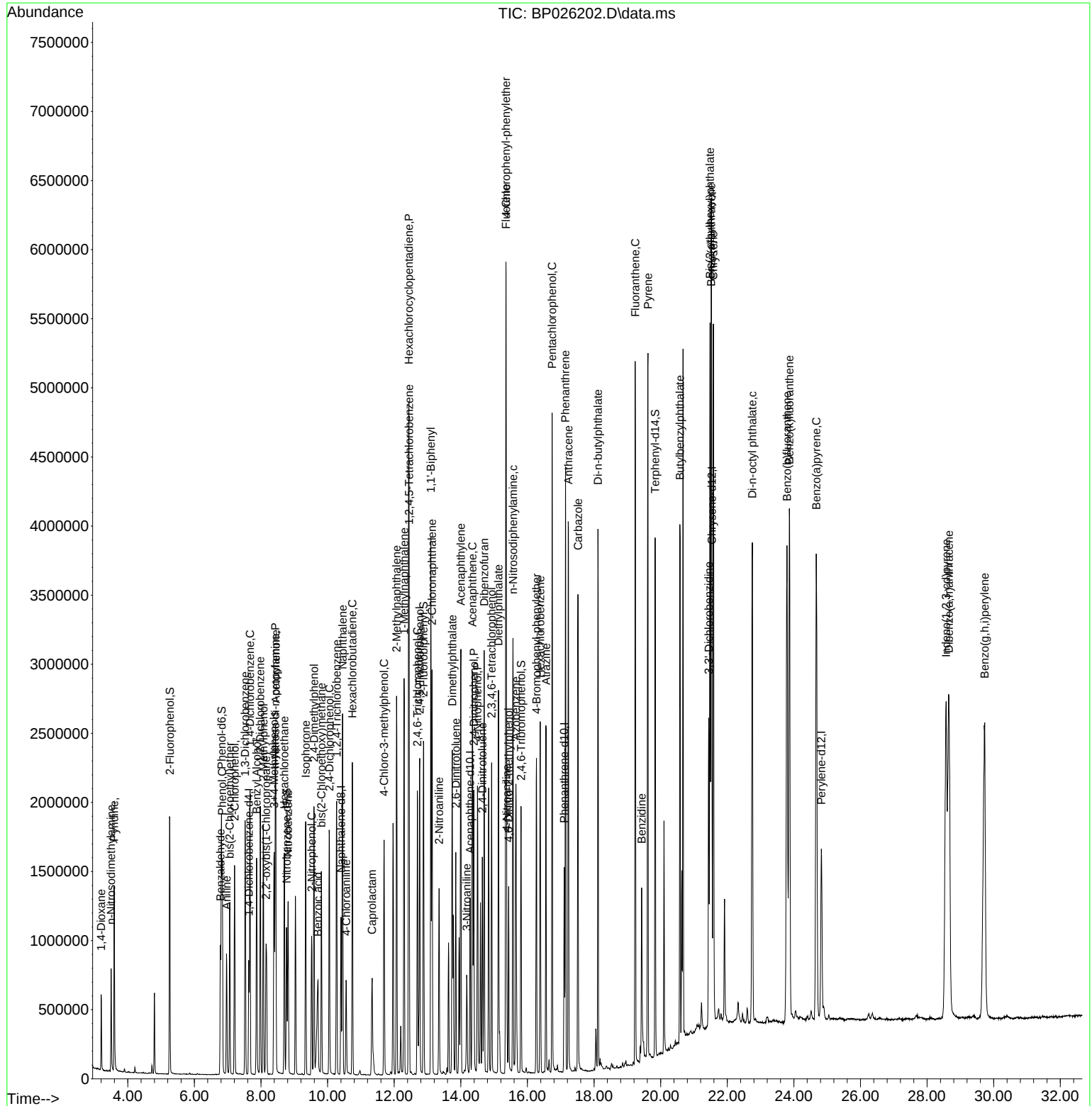
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.766	196	556341	48.961	ng	100
46) 1,1'-Biphenyl	13.101	154	1845916	49.921	ng	100
47) 2-Chloronaphthalene	13.136	162	1437914	49.452	ng	100
48) 2-Nitroaniline	13.348	65	380188	47.019	ng	95
49) Acenaphthylene	14.001	152	2372463	49.466	ng	100
50) Dimethylphthalate	13.742	163	1716045	46.788	ng	100
51) 2,6-Dinitrotoluene	13.848	165	364844	50.202	ng	100
52) Acenaphthene	14.348	154	1339975	47.674	ng	98
53) 3-Nitroaniline	14.177	138	231908	27.102	ng	98
54) 2,4-Dinitrophenol	14.389	184	425617	97.018	ng	92
55) Dibenzofuran	14.701	168	2067244	47.486	ng	99
56) 4-Nitrophenol	14.501	139	660774	85.360	ng	95
57) 2,4-Dinitrotoluene	14.648	165	505295	46.565	ng	99
58) Fluorene	15.360	166	1646773	47.858	ng	100
59) 2,3,4,6-Tetrachlorophenol	14.924	232	468980	48.650	ng	100
60) Diethylphthalate	15.130	149	1801490	48.758	ng	100
61) 4-Chlorophenyl-phenyle...	15.354	204	826679	48.285	ng	99
62) 4-Nitroaniline	15.377	138	331015	37.253	ng	97
63) Azobenzene	15.654	77	1557769	50.003	ng	99
65) 4,6-Dinitro-2-methylph...	15.436	198	283125	49.378	ng	99
66) n-Nitrosodiphenylamine	15.566	169	1430410	51.233	ng	99
67) 4-Bromophenyl-phenylether	16.271	248	519059	51.929	ng	99
68) Hexachlorobenzene	16.383	284	593459	51.166	ng	99
69) Atrazine	16.560	200	514429	48.862	ng	98
70) Pentachlorophenol	16.742	266	800085	98.613	ng	99
71) Phenanthrene	17.142	178	2557324	50.298	ng	100
72) Anthracene	17.230	178	2523464	48.662	ng	100
73) Carbazole	17.518	167	2354571	47.805	ng	99
74) Di-n-butylphthalate	18.118	149	2911527	49.862	ng	99
75) Fluoranthene	19.236	202	3160121	51.156	ng	99
77) Benzidine	19.430	184	1010085	30.507	ng	99
78) Pyrene	19.618	202	3319084	48.520	ng	100
80) Butylbenzylphthalate	20.577	149	1442210	47.873	ng	99
81) Benzo(a)anthracene	21.518	228	3581129	49.979	ng	100
82) 3,3'-Dichlorobenzidine	21.442	252	884166	33.933	ng	99
83) Chrysene	21.583	228	3394993	50.276	ng	100
84) Bis(2-ethylhexyl)phtha...	21.483	149	2166021	47.497	ng	99
85) Di-n-octyl phthalate	22.753	149	3908126	49.010	ng	99
87) Indeno(1,2,3-cd)pyrene	28.571	276	5079022	52.356	ng	99
88) Benzo(b)fluoranthene	23.795	252	3994681	50.711	ng	99
89) Benzo(k)fluoranthene	23.865	252	3938879	50.063	ng	99
90) Benzo(a)pyrene	24.671	252	3903195	52.311	ng	100
91) Dibenzo(a,h)anthracene	28.653	278	4106013	51.705	ng	99
92) Benzo(g,h,i)perylene	29.730	276	4101991	51.970	ng	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP120125\
Data File : BP026202.D
Acq On : 01 Dec 2025 18:40
Operator : RC/JU
Sample : Q3719-10MSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SB-1125-15BMSD

Quant Time: Dec 02 00:29:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP111825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 19 01:25:31 2025
Response via : Initial Calibration



Manual Integration Report

Sequence:	BF110525	Instrument	BNA_f
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC005	BF144170.D	Benzo(b)fluoranthene	rahul	11/6/2025 8:43:08 AM	Jagrut	11/6/2025 10:21:01 AM	Peak Integrated by Software
SSTDICV040	BF144177.D	Benzoic acid	rahul	11/6/2025 8:43:11 AM	Jagrut	11/6/2025 10:21:04 AM	Peak Integrated by Software

Manual Integration Report

Sequence:

BF112625

Instrument

BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PB170735BS	BF144360.D	Caprolactam	Jagrut	12/2/2025 3:51:20 PM	mohammad	12/3/2025 1:12:43 AM	Peak Integrated by Software
Q3719-01	BF144363.D	Benzo(b)fluoranthene	Jagrut	12/2/2025 3:51:22 PM	mohammad	12/3/2025 1:12:43 AM	Peak Integrated by Software
Q3719-01	BF144363.D	Benzo(k)fluoranthene	Jagrut	12/2/2025 3:51:22 PM	mohammad	12/3/2025 1:12:43 AM	Peak Integrated by Software
Q3719-02	BF144364.D	Benzo(b)fluoranthene	Jagrut	12/2/2025 3:51:25 PM	mohammad	12/3/2025 1:12:43 AM	Peak Integrated by Software
Q3719-03	BF144365.D	Benzo(a)anthracene	Jagrut	12/2/2025 3:51:27 PM	mohammad	12/3/2025 1:12:43 AM	Peak Integrated by Software
Q3719-03	BF144365.D	Benzo(b)fluoranthene	Jagrut	12/2/2025 3:51:27 PM	mohammad	12/3/2025 1:12:43 AM	Peak Integrated by Software
Q3719-03	BF144365.D	Benzo(k)fluoranthene	Jagrut	12/2/2025 3:51:27 PM	mohammad	12/3/2025 1:12:43 AM	Peak Integrated by Software
Q3719-04	BF144366.D	Benzo(b)fluoranthene	Jagrut	12/2/2025 3:51:29 PM	mohammad	12/3/2025 1:12:43 AM	Peak Integrated by Software
Q3719-05	BF144367.D	Benzo(b)fluoranthene	Jagrut	12/2/2025 3:51:32 PM	mohammad	12/3/2025 1:12:43 AM	Peak Integrated by Software
Q3719-06	BF144368.D	Benzo(b)fluoranthene	Jagrut	12/2/2025 3:51:34 PM	mohammad	12/3/2025 1:12:43 AM	Peak Integrated by Software
Q3719-06	BF144368.D	Chrysene	Jagrut	12/2/2025 3:51:34 PM	mohammad	12/3/2025 1:12:43 AM	Peak Integrated by Software
Q3719-07	BF144369.D	Benzo(b)fluoranthene	Jagrut	12/2/2025 3:51:36 PM	mohammad	12/3/2025 1:12:43 AM	Peak Integrated by Software
Q3719-07	BF144369.D	Benzo(k)fluoranthene	Jagrut	12/2/2025 3:51:36 PM	mohammad	12/3/2025 1:12:43 AM	Peak Integrated by Software

Manual Integration Report

Sequence:

BF112625

Instrument

BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q3719-08	BF144370.D	Benzo(a)anthracene	Jagrut	12/2/2025 3:51:39 PM	mohammad	12/3/2025 1:12:43 AM	Peak Integrated by Software
Q3719-08	BF144370.D	Benzo(b)fluoranthene	Jagrut	12/2/2025 3:51:39 PM	mohammad	12/3/2025 1:12:43 AM	Peak Integrated by Software
Q3719-08	BF144370.D	Benzo(k)fluoranthene	Jagrut	12/2/2025 3:51:39 PM	mohammad	12/3/2025 1:12:43 AM	Peak Integrated by Software
Q3719-09	BF144371.D	Benzo(b)fluoranthene	Jagrut	12/2/2025 3:51:42 PM	mohammad	12/3/2025 1:12:43 AM	Peak Integrated by Software
Q3719-09	BF144371.D	Benzo(k)fluoranthene	Jagrut	12/2/2025 3:51:42 PM	mohammad	12/3/2025 1:12:43 AM	Peak Integrated by Software
Q3719-12	BF144375.D	Benzo(b)fluoranthene	Jagrut	12/2/2025 3:51:44 PM	mohammad	12/3/2025 1:12:43 AM	Peak Integrated by Software

Manual Integration Report

Sequence:

BF120125

Instrument

BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BF144382.D	2,4-Dimethylphenol	Jagrut	12/2/2025 4:19:43 PM	mohammad	12/3/2025 1:12:18 AM	Peak Integrated by Software
SSTDCCC040	BF144382.D	Benzo(b)fluoranthene	Jagrut	12/2/2025 4:19:43 PM	mohammad	12/3/2025 1:12:18 AM	Peak Integrated by Software
SSTDCCC040	BF144382.D	Benzoic acid	Jagrut	12/2/2025 4:19:43 PM	mohammad	12/3/2025 1:12:18 AM	Peak Integrated by Software
Q3719-11	BF144388.D	Benzo(b)fluoranthene	Jagrut	12/2/2025 4:19:47 PM	mohammad	12/3/2025 1:12:18 AM	Peak Integrated by Software
Q3719-11	BF144388.D	Benzo(k)fluoranthene	Jagrut	12/2/2025 4:19:47 PM	mohammad	12/3/2025 1:12:18 AM	Peak Integrated by Software
Q3719-11	BF144388.D	Chrysene	Jagrut	12/2/2025 4:19:47 PM	mohammad	12/3/2025 1:12:18 AM	Peak Integrated by Software
Q3719-14	BF144395.D	Benzo(b)fluoranthene	Jagrut	12/2/2025 4:19:53 PM	mohammad	12/3/2025 1:12:18 AM	Peak Integrated by Software

Manual Integration Report

Sequence:	BF120225	Instrument	BNA_f
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q3719-13	BF144413.D	Benzo(b)fluoranthene	Jagrut	12/3/2025 10:09:32 AM	Sohil	12/3/2025 3:31:39 PM	Peak Integrated by Software
Q3719-13	BF144413.D	Benzo(k)fluoranthene	Jagrut	12/3/2025 10:09:32 AM	Sohil	12/3/2025 3:31:39 PM	Peak Integrated by Software

Manual Integration Report

Sequence:	BP111825	Instrument	BNA_p
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC020	BP026146.D	Benzo(g,h,i)perylene	Jagrut	11/19/2025 10:52:52 AM	Sohil	11/19/2025 3:40:17 PM	Peak Integrated by Software
SSTDICC020	BP026146.D	Indeno(1,2,3-cd)pyrene	Jagrut	11/19/2025 10:52:52 AM	Sohil	11/19/2025 3:40:17 PM	Peak Integrated by Software
SSTDICCC040	BP026147.D	Indeno(1,2,3-cd)pyrene	Jagrut	11/19/2025 10:52:55 AM	Sohil	11/19/2025 3:40:19 PM	Peak Integrated by Software
SSTDICC060	BP026149.D	Indeno(1,2,3-cd)pyrene	Jagrut	11/19/2025 10:52:57 AM	Sohil	11/19/2025 3:40:20 PM	Peak Integrated by Software
SSTDICC080	BP026150.D	Indeno(1,2,3-cd)pyrene	Jagrut	11/19/2025 10:52:59 AM	Sohil	11/19/2025 3:40:22 PM	Peak Integrated by Software
SSTDICV040	BP026151.D	Indeno(1,2,3-cd)pyrene	Jagrut	11/19/2025 10:53:01 AM	Sohil	11/19/2025 3:40:24 PM	Peak Integrated by Software



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Manual Integration Report

Sequence:

BP120125

Instrument

BNA_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BP026197.D	Indeno(1,2,3-cd)pyrene	Jagrut	12/2/2025 4:11:17 PM	mohammad	12/3/2025 1:12:23 AM	Peak Integrated by Software

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF110525

Review By	rahul	Review On	11/5/2025 2:56:50 PM
Supervise By	Jagrut	Supervise On	11/6/2025 10:21:33 AM
SubDirectory	BF110525	HP Acquire Method	BNA_F
		HP Processing Method	BF110525
STD. NAME	STD REF.#		
Tune/Reschk	SP6875		
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864		
CCC	SP6860		
Internal Standard/PEM	S13181,10ul/1000ul sample		
ICV/I.BLK	SP6872		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF144168.D	05 Nov 2025 12:21	RC/JU	Ok
2	SSTDICC2.5	BF144169.D	05 Nov 2025 12:50	RC/JU	Ok
3	SSTDICC005	BF144170.D	05 Nov 2025 13:20	RC/JU	Ok,M
4	SSTDICC010	BF144171.D	05 Nov 2025 13:50	RC/JU	Ok
5	SSTDICC020	BF144172.D	05 Nov 2025 14:20	RC/JU	Ok
6	SSTDICCC040	BF144173.D	05 Nov 2025 14:50	RC/JU	Ok
7	SSTDICC050	BF144174.D	05 Nov 2025 15:49	RC/JU	Ok
8	SSTDICC060	BF144175.D	05 Nov 2025 16:19	RC/JU	Ok
9	SSTDICC080	BF144176.D	05 Nov 2025 16:49	RC/JU	Ok
10	SSTDICV040	BF144177.D	05 Nov 2025 17:21	RC/JU	Ok,M
11	PB170372BL	BF144178.D	05 Nov 2025 18:10	RC/JU	Ok

M : Manual Integration

Instrument ID: **BNA_F**

Daily Analysis Runlog For Sequence/QC Batch ID # BF112625

Review By	Jagrut	Review On	12/2/2025 4:03:33 PM
Supervise By	mohammad	Supervise On	12/3/2025 1:12:43 AM
SubDirectory	BF112625	HP Acquire Method	BNA_F
		HP Processing Method	BF110525
STD. NAME	STD REF.#		
Tune/Reschk	SP6875		
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864		
CCC	SP6860		
Internal Standard/PEM	S13184,10ul/1000ul sample		
ICV/I.BLK	SP6872		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF144357.D	26 Nov 2025 13:00	RC/JU	Ok
2	SSTDCCC040	BF144358.D	26 Nov 2025 13:30	RC/JU	Ok
3	PB170735BL	BF144359.D	26 Nov 2025 14:00	RC/JU	Ok
4	PB170735BS	BF144360.D	26 Nov 2025 14:30	RC/JU	Ok,M
5	Q3604-04	BF144361.D	26 Nov 2025 15:11	RC/JU	Ok
6	Q3604-05	BF144362.D	26 Nov 2025 15:41	RC/JU	Ok
7	Q3719-01	BF144363.D	26 Nov 2025 16:11	RC/JU	Ok,M
8	Q3719-02	BF144364.D	26 Nov 2025 16:42	RC/JU	Ok,M
9	Q3719-03	BF144365.D	26 Nov 2025 17:12	RC/JU	Ok,M
10	Q3719-04	BF144366.D	26 Nov 2025 17:42	RC/JU	Ok,M
11	Q3719-05	BF144367.D	26 Nov 2025 18:12	RC/JU	Ok,M
12	Q3719-06	BF144368.D	26 Nov 2025 18:42	RC/JU	Ok,M
13	Q3719-07	BF144369.D	26 Nov 2025 19:13	RC/JU	Ok,M
14	Q3719-08	BF144370.D	26 Nov 2025 19:43	RC/JU	Ok,M
15	Q3719-09	BF144371.D	26 Nov 2025 20:13	RC/JU	Ok,M
16	Q3719-10	BF144372.D	26 Nov 2025 20:43	RC/JU	Not Ok
17	Q3719-10MS	BF144373.D	26 Nov 2025 21:13	RC/JU	Not Ok
18	Q3719-10MSD	BF144374.D	26 Nov 2025 21:43	RC/JU	Not Ok
19	Q3719-12	BF144375.D	26 Nov 2025 22:13	RC/JU	Ok,M
20	Q3714-01	BF144376.D	26 Nov 2025 22:43	RC/JU	Ok,M
21	Q3721-01	BF144377.D	26 Nov 2025 23:14	RC/JU	Ok

Instrument ID: **BNA_F**

Daily Analysis Runlog For Sequence/QC Batch ID # BF112625

Review By	Jagrut	Review On	12/2/2025 4:03:33 PM
Supervise By	mohammad	Supervise On	12/3/2025 1:12:43 AM
SubDirectory	BF112625	HP Acquire Method	BNA_F
		HP Processing Method	BF110525
STD. NAME	STD REF.#		
Tune/Reschk	SP6875		
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864		
CCC	SP6860		
Internal Standard/PEM	S13184,10ul/1000ul sample		
ICV/I.BLK	SP6872		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	Q3721-01MS	BF144378.D	26 Nov 2025 23:44	RC/JU	Ok
23	Q3721-01MSD	BF144379.D	27 Nov 2025 00:14	RC/JU	Ok,M
24	Q3723-01	BF144380.D	27 Nov 2025 00:44	RC/JU	Ok,M

M : Manual Integration

Instrument ID: **BNA_F**

Daily Analysis Runlog For Sequence/QC Batch ID # BF120125

Review By	Jagrut	Review On	12/2/2025 4:27:26 PM
Supervise By	mohammad	Supervise On	12/3/2025 1:12:18 AM
SubDirectory	BF120125	HP Acquire Method	BNA_F
		HP Processing Method	BF110525
STD. NAME	STD REF.#		
Tune/Reschk	SP6875		
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864		
CCC	SP6860		
Internal Standard/PEM	S13184,10ul/1000ul sample		
ICV/I.BLK	SP6872		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF144381.D	01 Dec 2025 12:12	RC/JU	Ok
2	SSTDCCC040	BF144382.D	01 Dec 2025 12:41	RC/JU	Ok,M
3	PB170749BL	BF144383.D	01 Dec 2025 13:13	RC/JU	Ok
4	PB170749BS	BF144384.D	01 Dec 2025 13:42	RC/JU	Ok
5	PB170763BL	BF144385.D	01 Dec 2025 14:11	RC/JU	Ok
6	PB170763BS	BF144386.D	01 Dec 2025 14:40	RC/JU	Ok
7	Q3740-01	BF144387.D	01 Dec 2025 15:15	RC/JU	Ok,M
8	Q3719-11	BF144388.D	01 Dec 2025 15:45	RC/JU	Ok,M
9	Q3725-04	BF144389.D	01 Dec 2025 16:14	RC/JU	Ok,M
10	Q3732-01	BF144390.D	01 Dec 2025 16:44	RC/JU	Ok
11	Q3735-01	BF144391.D	01 Dec 2025 17:13	RC/JU	Ok
12	Q3735-01MS	BF144392.D	01 Dec 2025 17:43	RC/JU	Ok
13	Q3735-01MSD	BF144393.D	01 Dec 2025 18:12	RC/JU	Ok
14	Q3719-13	BF144394.D	01 Dec 2025 18:41	RC/JU	Not Ok
15	Q3719-14	BF144395.D	01 Dec 2025 19:11	RC/JU	Ok,M
16	Q3733-01	BF144396.D	01 Dec 2025 19:40	RC/JU	Ok

M : Manual Integration

Instrument ID: **BNA_F**

Daily Analysis Runlog For Sequence/QC Batch ID # BF120225

Review By	Jagrut	Review On	12/3/2025 10:09:52 AM
Supervise By	Sohil	Supervise On	12/3/2025 3:31:56 PM
SubDirectory	BF120225	HP Acquire Method	BNA_F
		HP Processing Method	BF110525
STD. NAME	STD REF.#		
Tune/Reschk	SP6875		
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864		
CCC	SP6860		
Internal Standard/PEM	S13184,10ul/1000ul sample		
ICV/I.BLK	SP6872		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF144397.D	02 Dec 2025 10:31	RC/JU	Ok
2	SSTDCCC040	BF144398.D	02 Dec 2025 11:00	RC/JU	Ok
3	PB170788BL	BF144399.D	02 Dec 2025 13:16	RC/JU	Ok
4	PB170788BS	BF144400.D	02 Dec 2025 13:47	RC/JU	Ok
5	Q3742-01	BF144401.D	02 Dec 2025 14:21	RC/JU	Ok,M
6	Q3742-03	BF144402.D	02 Dec 2025 14:51	RC/JU	Not Ok
7	Q3742-07	BF144403.D	02 Dec 2025 15:20	RC/JU	Ok,M
8	Q3742-08	BF144404.D	02 Dec 2025 15:50	RC/JU	Ok,M
9	Q3742-09	BF144405.D	02 Dec 2025 16:19	RC/JU	Ok,M
10	Q3742-17	BF144406.D	02 Dec 2025 16:49	RC/JU	Ok,M
11	Q3742-18	BF144407.D	02 Dec 2025 17:19	RC/JU	Ok,M
12	Q3742-16	BF144408.D	02 Dec 2025 17:49	RC/JU	Ok
13	Q3746-01	BF144409.D	02 Dec 2025 18:19	RC/JU	Ok
14	Q3750-01	BF144410.D	02 Dec 2025 18:49	RC/JU	Dilution
15	Q3750-04	BF144411.D	02 Dec 2025 19:18	RC/JU	Ok,M
16	Q3748-01	BF144412.D	02 Dec 2025 19:48	RC/JU	Ok
17	Q3719-13	BF144413.D	02 Dec 2025 20:18	RC/JU	Ok,M

M : Manual Integration

Instrument ID: **BNA_P**

Daily Analysis Runlog For Sequence/QC Batch ID # BP111825

Review By	Jagrut	Review On	11/19/2025 10:53:24 AM
Supervise By	Sohil	Supervise On	11/19/2025 3:40:33 PM
SubDirectory	BP111825	HP Acquire Method	BNA_P
		HP Processing Method	BP111825
STD. NAME	STD REF.#		
Tune/Reschk	SP6875		
Initial Calibration Stds	SP6910,SP6911,SP6912,SP6913,SP6914,SP6915,SP6916,SP6917		
CCC	SP6913		
Internal Standard/PEM	S13183,10ul/1000ul sample		
ICV/I.BLK	SP6928		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BP026142.D	18 Nov 2025 13:45	RC/JU	Ok
2	SSTDICC2.5	BP026143.D	18 Nov 2025 14:31	RC/JU	Ok
3	SSTDICC005	BP026144.D	18 Nov 2025 15:12	RC/JU	Ok
4	SSTDICC010	BP026145.D	18 Nov 2025 15:54	RC/JU	Ok
5	SSTDICC020	BP026146.D	18 Nov 2025 16:35	RC/JU	Ok,M
6	SSTDICCC040	BP026147.D	18 Nov 2025 17:57	RC/JU	Ok,M
7	SSTDICC050	BP026148.D	18 Nov 2025 18:38	RC/JU	Ok
8	SSTDICC060	BP026149.D	18 Nov 2025 20:00	RC/JU	Ok,M
9	SSTDICC080	BP026150.D	18 Nov 2025 21:22	RC/JU	Ok,M
10	SSTDICV040	BP026151.D	18 Nov 2025 23:25	RC/JU	Ok,M
11	PB170493TB	BP026152.D	19 Nov 2025 00:06	RC/JU	Ok

M : Manual Integration

Instrument ID: **BNA_P**

Daily Analysis Runlog For Sequence/QC Batch ID # BP120125

Review By	Jagrut	Review On	12/2/2025 4:18:26 PM
Supervise By	mohammad	Supervise On	12/3/2025 1:12:23 AM
SubDirectory	BP120125	HP Acquire Method	BNA_P
		HP Processing Method	BP111825
STD. NAME	STD REF.#		
Tune/Reschk	SP6875		
Initial Calibration Stds	SP6910,SP6911,SP6912,SP6913,SP6914,SP6915,SP6916,SP6917		
CCC	SP6913		
Internal Standard/PEM	S13184,10ul/1000ul sample		
ICV/I.BLK	SP6928		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BP026196.D	01 Dec 2025 12:48	RC/JU	Ok
2	SSTDCCC040	BP026197.D	01 Dec 2025 14:09	RC/JU	Ok,M
3	PB170743BL	BP026198.D	01 Dec 2025 14:50	RC/JU	Ok
4	PB170743BS	BP026199.D	01 Dec 2025 15:31	RC/JU	Ok,M
5	PB170743BSD	BP026200.D	01 Dec 2025 16:12	RC/JU	Ok
6	Q3719-10MS	BP026201.D	01 Dec 2025 17:51	RC/JU	Ok
7	Q3719-10MSD	BP026202.D	01 Dec 2025 18:40	RC/JU	Ok
8	Q3719-10	BP026203.D	01 Dec 2025 19:21	RC/JU	Ok
9	Q3716-01	BP026204.D	01 Dec 2025 20:02	RC/JU	Ok,M
10	Q3716-02	BP026205.D	01 Dec 2025 20:43	RC/JU	Ok

M : Manual Integration

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF110525

Review By	rahul	Review On	11/5/2025 2:56:50 PM
Supervise By	Jagrut	Supervise On	11/6/2025 10:21:33 AM
SubDirectory	BF110525	HP Acquire Method	BNA_F
		HP Processing Method	BF110525

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13181,10ul/1000ul sample
ICV/I.BLK	SP6872
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF144168.D	05 Nov 2025 12:21		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BF144169.D	05 Nov 2025 12:50		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BF144170.D	05 Nov 2025 13:20		RC/JU	Ok,M
4	SSTDICC010	SSTDICC010	BF144171.D	05 Nov 2025 13:50		RC/JU	Ok
5	SSTDICC020	SSTDICC020	BF144172.D	05 Nov 2025 14:20		RC/JU	Ok
6	SSTDICCC040	SSTDICCC040	BF144173.D	05 Nov 2025 14:50	Compound #41 kept on QR	RC/JU	Ok
7	SSTDICC050	SSTDICC050	BF144174.D	05 Nov 2025 15:49		RC/JU	Ok
8	SSTDICC060	SSTDICC060	BF144175.D	05 Nov 2025 16:19		RC/JU	Ok
9	SSTDICC080	SSTDICC080	BF144176.D	05 Nov 2025 16:49		RC/JU	Ok
10	SSTDICV040	ICVBF110525	BF144177.D	05 Nov 2025 17:21		RC/JU	Ok,M
11	PB170372BL	PB170372BL	BF144178.D	05 Nov 2025 18:10		RC/JU	Ok

M : Manual Integration

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF112625

Review By	Jagrut	Review On	12/2/2025 4:03:33 PM
Supervise By	mohammad	Supervise On	12/3/2025 1:12:43 AM
SubDirectory	BF112625	HP Acquire Method	BNA_F
		HP Processing Method	BF110525

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13184,10ul/1000ul sample
ICV/I.BLK	SP6872
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF144357.D	26 Nov 2025 13:00		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF144358.D	26 Nov 2025 13:30		RC/JU	Ok
3	PB170735BL	PB170735BL	BF144359.D	26 Nov 2025 14:00		RC/JU	Ok
4	PB170735BS	PB170735BS	BF144360.D	26 Nov 2025 14:30		RC/JU	Ok,M
5	Q3604-04	S-1	BF144361.D	26 Nov 2025 15:11		RC/JU	Ok
6	Q3604-05	S-2	BF144362.D	26 Nov 2025 15:41		RC/JU	Ok
7	Q3719-01	SB-1125-10A	BF144363.D	26 Nov 2025 16:11		RC/JU	Ok,M
8	Q3719-02	SB-1125-10B	BF144364.D	26 Nov 2025 16:42		RC/JU	Ok,M
9	Q3719-03	SB-1125-11A	BF144365.D	26 Nov 2025 17:12		RC/JU	Ok,M
10	Q3719-04	SB-1125-11B	BF144366.D	26 Nov 2025 17:42		RC/JU	Ok,M
11	Q3719-05	SB-1125-12A	BF144367.D	26 Nov 2025 18:12		RC/JU	Ok,M
12	Q3719-06	SB-1125-12B	BF144368.D	26 Nov 2025 18:42		RC/JU	Ok,M
13	Q3719-07	SB-1125-14A	BF144369.D	26 Nov 2025 19:13		RC/JU	Ok,M
14	Q3719-08	SB-1125-14B	BF144370.D	26 Nov 2025 19:43		RC/JU	Ok,M
15	Q3719-09	SB-1125-15A	BF144371.D	26 Nov 2025 20:13		RC/JU	Ok,M
16	Q3719-10	SB-1125-15B	BF144372.D	26 Nov 2025 20:43	Re run	RC/JU	Not Ok
17	Q3719-10MS	SB-1125-15BMS	BF144373.D	26 Nov 2025 21:13	MSD is not ok	RC/JU	Not Ok
18	Q3719-10MSD	SB-1125-15BMSD	BF144374.D	26 Nov 2025 21:43	Many compounds recovery Low	RC/JU	Not Ok

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF112625

Review By	Jagrut	Review On	12/2/2025 4:03:33 PM		
Supervise By	mohammad	Supervise On	12/3/2025 1:12:43 AM		
SubDirectory	BF112625	HP Acquire Method	BNA_F	HP Processing Method	BF110525
STD. NAME	STD REF.#				
Tune/Reschk	SP6875				
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864				
CCC	SP6860				
Internal Standard/PEM	S13184,10ul/1000ul sample				
ICV/I.BLK	SP6872				
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

19	Q3719-12	SB-1125-16B	BF144375.D	26 Nov 2025 22:13		RC/JU	Ok,M
20	Q3714-01	OR-03-11-24-2025	BF144376.D	26 Nov 2025 22:43		RC/JU	Ok,M
21	Q3721-01	EO-2-112525	BF144377.D	26 Nov 2025 23:14		RC/JU	Ok
22	Q3721-01MS	EO-2-112525MS	BF144378.D	26 Nov 2025 23:44		RC/JU	Ok
23	Q3721-01MSD	EO-2-112525MSD	BF144379.D	27 Nov 2025 00:14		RC/JU	Ok,M
24	Q3723-01	CC-1-112525	BF144380.D	27 Nov 2025 00:44		RC/JU	Ok,M

M : Manual Integration

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF120125

Review By	Jagrut	Review On	12/2/2025 4:27:26 PM
Supervise By	mohammad	Supervise On	12/3/2025 1:12:18 AM
SubDirectory	BF120125	HP Acquire Method	BNA_F
		HP Processing Method	BF110525

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13184,10ul/1000ul sample
ICV/I.BLK	SP6872
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF144381.D	01 Dec 2025 12:12		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF144382.D	01 Dec 2025 12:41	CCC fail high for compound #9 & #77	RC/JU	Ok,M
3	PB170749BL	PB170749BL	BF144383.D	01 Dec 2025 13:13		RC/JU	Ok
4	PB170749BS	PB170749BS	BF144384.D	01 Dec 2025 13:42		RC/JU	Ok
5	PB170763BL	PB170763BL	BF144385.D	01 Dec 2025 14:11		RC/JU	Ok
6	PB170763BS	PB170763BS	BF144386.D	01 Dec 2025 14:40		RC/JU	Ok
7	Q3740-01	WC1	BF144387.D	01 Dec 2025 15:15		RC/JU	Ok,M
8	Q3719-11	SB-1125-16A	BF144388.D	01 Dec 2025 15:45		RC/JU	Ok,M
9	Q3725-04	STOCKPILE-SAMPLES	BF144389.D	01 Dec 2025 16:14		RC/JU	Ok,M
10	Q3732-01	HD-01-11-26-2025	BF144390.D	01 Dec 2025 16:44		RC/JU	Ok
11	Q3735-01	BU-3-112625	BF144391.D	01 Dec 2025 17:13		RC/JU	Ok
12	Q3735-01MS	BU-3-112625MS	BF144392.D	01 Dec 2025 17:43		RC/JU	Ok
13	Q3735-01MSD	BU-3-112625MSD	BF144393.D	01 Dec 2025 18:12		RC/JU	Ok
14	Q3719-13	SB-1125-17A	BF144394.D	01 Dec 2025 18:41	Need Straight Run	RC/JU	Not Ok
15	Q3719-14	SB-1125-17B	BF144395.D	01 Dec 2025 19:11		RC/JU	Ok,M
16	Q3733-01	SU-04-11-26-2025	BF144396.D	01 Dec 2025 19:40	Double IS added	RC/JU	Ok

M : Manual Integration

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF120225

Review By	Jagrut	Review On	12/3/2025 10:09:52 AM
Supervise By	Sohil	Supervise On	12/3/2025 3:31:56 PM
SubDirectory	BF120225	HP Acquire Method	BNA_F
		HP Processing Method	BF110525

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13184,10ul/1000ul sample
ICV/I.BLK	SP6872
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF144397.D	02 Dec 2025 10:31		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF144398.D	02 Dec 2025 11:00		RC/JU	Ok
3	PB170788BL	PB170788BL	BF144399.D	02 Dec 2025 13:16		RC/JU	Ok
4	PB170788BS	PB170788BS	BF144400.D	02 Dec 2025 13:47		RC/JU	Ok
5	Q3742-01	SB-1125-23	BF144401.D	02 Dec 2025 14:21		RC/JU	Ok,M
6	Q3742-03	SB-1125-8	BF144402.D	02 Dec 2025 14:51	Hit of # 09 (Below CRQL)	RC/JU	Not Ok
7	Q3742-07	SB-1125-18	BF144403.D	02 Dec 2025 15:20		RC/JU	Ok,M
8	Q3742-08	SB-1125-20	BF144404.D	02 Dec 2025 15:50		RC/JU	Ok,M
9	Q3742-09	SB-1125-22	BF144405.D	02 Dec 2025 16:19		RC/JU	Ok,M
10	Q3742-17	SB-1125-25	BF144406.D	02 Dec 2025 16:49		RC/JU	Ok,M
11	Q3742-18	SB-1125-24	BF144407.D	02 Dec 2025 17:19		RC/JU	Ok,M
12	Q3742-16	SB-1125-1	BF144408.D	02 Dec 2025 17:49		RC/JU	Ok
13	Q3746-01	ROW	BF144409.D	02 Dec 2025 18:19		RC/JU	Ok
14	Q3750-01	FENCE WC-1	BF144410.D	02 Dec 2025 18:49	Need 5X Dilution	RC/JU	Dilution
15	Q3750-04	FENCE WC-2	BF144411.D	02 Dec 2025 19:18		RC/JU	Ok,M
16	Q3748-01	AU-05-12-1-2025	BF144412.D	02 Dec 2025 19:48	Internal Standard Fail	RC/JU	Ok
17	Q3719-13	SB-1125-17A	BF144413.D	02 Dec 2025 20:18	Internal Standard Fail	RC/JU	Ok,M

M : Manual Integration

Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QC Batch ID # BP111825

Review By	Jagrut	Review On	11/19/2025 10:53:24 AM
Supervise By	Sohil	Supervise On	11/19/2025 3:40:33 PM
SubDirectory	BP111825	HP Acquire Method	BNA_P
		HP Processing Method	BP111825

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6910,SP6911,SP6912,SP6913,SP6914,SP6915,SP6916,SP6917
CCC	SP6913
Internal Standard/PEM	S13183,10ul/1000ul sample
ICV/I.BLK	SP6928
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BP026142.D	18 Nov 2025 13:45		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BP026143.D	18 Nov 2025 14:31		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BP026144.D	18 Nov 2025 15:12		RC/JU	Ok
4	SSTDICC010	SSTDICC010	BP026145.D	18 Nov 2025 15:54		RC/JU	Ok
5	SSTDICC020	SSTDICC020	BP026146.D	18 Nov 2025 16:35		RC/JU	Ok,M
6	SSTDICCC040	SSTDICCC040	BP026147.D	18 Nov 2025 17:57		RC/JU	Ok,M
7	SSTDICC050	SSTDICC050	BP026148.D	18 Nov 2025 18:38		RC/JU	Ok
8	SSTDICC060	SSTDICC060	BP026149.D	18 Nov 2025 20:00		RC/JU	Ok,M
9	SSTDICC080	SSTDICC080	BP026150.D	18 Nov 2025 21:22		RC/JU	Ok,M
10	SSTDICV040	ICVBP111825	BP026151.D	18 Nov 2025 23:25		RC/JU	Ok,M
11	PB170493TB	PB170493TB	BP026152.D	19 Nov 2025 00:06		RC/JU	Ok

M : Manual Integration

Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QC Batch ID # BP120125

Review By	Jagrut	Review On	12/2/2025 4:18:26 PM
Supervise By	mohammad	Supervise On	12/3/2025 1:12:23 AM
SubDirectory	BP120125	HP Acquire Method	BNA_P
		HP Processing Method	BP111825

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6910,SP6911,SP6912,SP6913,SP6914,SP6915,SP6916,SP6917
CCC	SP6913
Internal Standard/PEM	S13184,10ul/1000ul sample
ICV/I.BLK	SP6928
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BP026196.D	01 Dec 2025 12:48		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BP026197.D	01 Dec 2025 14:09		RC/JU	Ok,M
3	PB170743BL	PB170743BL	BP026198.D	01 Dec 2025 14:50		RC/JU	Ok
4	PB170743BS	PB170743BS	BP026199.D	01 Dec 2025 15:31		RC/JU	Ok,M
5	PB170743BSD	PB170743BSD	BP026200.D	01 Dec 2025 16:12		RC/JU	Ok
6	Q3719-10MS	SB-1125-15BMS	BP026201.D	01 Dec 2025 17:51		RC/JU	Ok
7	Q3719-10MSD	SB-1125-15BMSD	BP026202.D	01 Dec 2025 18:40		RC/JU	Ok
8	Q3719-10	SB-1125-15B	BP026203.D	01 Dec 2025 19:21		RC/JU	Ok
9	Q3716-01	MW5	BP026204.D	01 Dec 2025 20:02		RC/JU	Ok,M
10	Q3716-02	MW3	BP026205.D	01 Dec 2025 20:43		RC/JU	Ok

M : Manual Integration

SOP ID: M3541-ASE Extraction-15

Clean Up SOP #: N/A

Matrix : Solid

Weigh By: EH **Extraction By:** RJ

Balance check: EH **Filter By:** RJ

Balance ID: EX-SC-2 **pH Meter ID:** N/A

pH Strip Lot#: N/A **Hood ID:** 3,7

Extraction Start Date : 11/25/2025

Extraction Start Time : 14:15

Extraction End Date : 11/25/2025

Extraction End Time : 17:25

Concentration By: EH

Supervisor By : RUPESH

Extraction Method: ☐ Separatory Funnel ☐ Continious Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☒ Soxhlet

Standard Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	50/100 PPM	SP6895
Surrogate	1.0ML	100/150 PPM	SP6918
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
MeCl2/Acetone/1:1	N/A	EP2659
Baked Na2SO4	N/A	EP2663
Sand	N/A	E3951
Methylene Chloride	N/A	E3986
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

1.5ML Vial Lot # 2210443. Q3604-04,05 Extracted out of holding times.

KD Bath ID: N/A **Envap ID:** N-EVAP-02

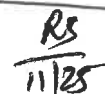
KD Bath Temperature: N/A **Envap Temperature:** 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
11/25/25	PS (Ext Lab)	RC/Perf PCB
17:30	Preparation Group	Analysis Group

Analytical Method: M3541-ASE Extraction-15

Concentration Date: 11/25/2025

Sample ID	Client Sample ID	Test	g/ mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB170735BL	SBLK735	SVOC-TCL BNA -20	30.01	N/A	ritesh	Evelyn	1			U1-1
PB170735BS	SLCS735	SVOC-TCL BNA -20	30.03	N/A	ritesh	Evelyn	1			2
Q3604-04	S-1	SVOC-TCL BNA -20	50.02	N/A	ritesh	Evelyn	1	A		3
Q3604-05	S-2	SVOC-TCL BNA -20	50.07	N/A	ritesh	Evelyn	1	A		4
Q3714-01	OR-03-11-24-2025	SVOC-TCL BNA -20	30.08	N/A	ritesh	Evelyn	1	E		5
Q3719-01	SB-1125-10A	SVOC-TCL BNA -20	30.04	N/A	ritesh	Evelyn	1	E		6
Q3719-02	SB-1125-10B	SVOC-TCL BNA -20	30.02	N/A	ritesh	Evelyn	1	E		U2-1
Q3719-03	SB-1125-11A	SVOC-TCL BNA -20	30.05	N/A	ritesh	Evelyn	1	E		2
Q3719-04	SB-1125-11B	SVOC-TCL BNA -20	30.07	N/A	ritesh	Evelyn	1	E		3
Q3719-05	SB-1125-12A	SVOC-TCL BNA -20	30.01	N/A	ritesh	Evelyn	1	E		4
Q3719-06	SB-1125-12B	SVOC-TCL BNA -20	30.03	N/A	ritesh	Evelyn	1	E		5
Q3719-07	SB-1125-14A	SVOC-TCL BNA -20	30.06	N/A	ritesh	Evelyn	1	E		6
Q3719-08	SB-1125-14B	SVOC-TCL BNA -20	30.08	N/A	ritesh	Evelyn	1	E		U3-1
Q3719-09	SB-1125-15A	SVOC-TCL BNA -20	30.04	N/A	ritesh	Evelyn	1	E		2
Q3719-10	SB-1125-15B	SVOC-TCL BNA -20	30.09	N/A	ritesh	Evelyn	1	E		3
Q3719-10MS	SB-1125-15BMS	SVOC-TCL BNA -20	30.03	N/A	ritesh	Evelyn	1	E		4
Q3719-10MS D	SB-1125-15BMSD	SVOC-TCL BNA -20	30.05	N/A	ritesh	Evelyn	1	E		5
Q3719-11	SB-1125-16A	SVOC-TCL BNA -20	30.07	N/A	ritesh	Evelyn	1	E		6
Q3719-12	SB-1125-16B	SVOC-TCL BNA -20	30.04	N/A	ritesh	Evelyn	1	E		U6-1
Q3719-13	SB-1125-17A	SVOC-TCL BNA -20	30.08	N/A	ritesh	Evelyn	1	E		2
Q3719-14	SB-1125-17B	SVOC-TCL BNA -20	30.06	N/A	ritesh	Evelyn	1	E		3



WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q3604

WorkList ID : 193346

Department : Extraction

Date : 11-25-2025 14:10:04

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3604-04	S-1	Solid	SVOC-TCL BNA -20	Cool 4 deg C	ROMA02	D41	11/10/2025	8270E
Q3604-05	S-2	Solid	SVOC-TCL BNA -20	Cool 4 deg C	ROMA02	D41	11/10/2025	8270E
Q3714-01	OR-03-11-24-2025	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG05	E12	11/24/2025	8270E
Q3719-01	SB-1125-10A	Solid	SVOC-TCL BNA -20	Cool 4 deg C	REMI01	D51	11/25/2025	8270E
Q3719-02	SB-1125-10B	Solid	SVOC-TCL BNA -20	Cool 4 deg C	REMI01	D51	11/25/2025	8270E
Q3719-03	SB-1125-11A	Solid	SVOC-TCL BNA -20	Cool 4 deg C	REMI01	D51	11/25/2025	8270E
Q3719-04	SB-1125-11B	Solid	SVOC-TCL BNA -20	Cool 4 deg C	REMI01	D51	11/25/2025	8270E
Q3719-05	SB-1125-12A	Solid	SVOC-TCL BNA -20	Cool 4 deg C	REMI01	D51	11/25/2025	8270E
Q3719-06	SB-1125-12B	Solid	SVOC-TCL BNA -20	Cool 4 deg C	REMI01	D51	11/25/2025	8270E
Q3719-07	SB-1125-14A	Solid	SVOC-TCL BNA -20	Cool 4 deg C	REMI01	D51	11/25/2025	8270E
Q3719-08	SB-1125-14B	Solid	SVOC-TCL BNA -20	Cool 4 deg C	REMI01	D51	11/25/2025	8270E
Q3719-09	SB-1125-15A	Solid	SVOC-TCL BNA -20	Cool 4 deg C	REMI01	D51	11/25/2025	8270E
Q3719-10	SB-1125-15B	Solid	SVOC-TCL BNA -20	Cool 4 deg C	REMI01	D51	11/25/2025	8270E
Q3719-11	SB-1125-16A	Solid	SVOC-TCL BNA -20	Cool 4 deg C	REMI01	D51	11/25/2025	8270E
Q3719-12	SB-1125-16B	Solid	SVOC-TCL BNA -20	Cool 4 deg C	REMI01	D51	11/25/2025	8270E
Q3719-13	SB-1125-17A	Solid	SVOC-TCL BNA -20	Cool 4 deg C	REMI01	D51	11/25/2025	8270E
Q3719-14	SB-1125-17B	Solid	SVOC-TCL BNA -20	Cool 4 deg C	REMI01	D51	11/25/2025	8270E

Date/Time 11/25/25 14:10
 Raw Sample Received by: RJ (Ext 66)
 Raw Sample Relinquished by: RJ (Ext 66)

Date/Time 11/25/25 14:10
 Raw Sample Received by: RJ (Ext 66)
 Raw Sample Relinquished by: RJ (Ext 66)

LAB CHRONICLE

OrderID:	Q3719	OrderDate:	11/25/2025 11:38:47 AM
Client:	Remington & Vernick	Project:	Saddler Property
Contact:	Justin Zarzecki	Location:	--Select--,D51

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3719-01	SB-1125-10A	SOIL	SVOC-TCL BNA -20	8270E	11/24/25	11/25/25	11/26/25	11/25/25
Q3719-02	SB-1125-10B	SOIL	SVOC-TCL BNA -20	8270E	11/24/25	11/25/25	11/26/25	11/25/25
Q3719-03	SB-1125-11A	SOIL	SVOC-TCL BNA -20	8270E	11/24/25	11/25/25	11/26/25	11/25/25
Q3719-04	SB-1125-11B	SOIL	SVOC-TCL BNA -20	8270E	11/24/25	11/25/25	11/26/25	11/25/25
Q3719-05	SB-1125-12A	SOIL	SVOC-TCL BNA -20	8270E	11/24/25	11/25/25	11/26/25	11/25/25
Q3719-06	SB-1125-12B	SOIL	SVOC-TCL BNA -20	8270E	11/24/25	11/25/25	11/26/25	11/25/25
Q3719-07	SB-1125-14A	SOIL	SVOC-TCL BNA -20	8270E	11/24/25	11/25/25	11/26/25	11/25/25
Q3719-08	SB-1125-14B	SOIL	SVOC-TCL BNA -20	8270E	11/24/25	11/25/25	11/26/25	11/25/25
Q3719-09	SB-1125-15A	SOIL	SVOC-TCL BNA -20	8270E	11/24/25	11/25/25	11/26/25	11/25/25
Q3719-10	SB-1125-15B	SOIL	SVOC-TCL BNA -20	8270E	11/24/25	11/25/25	12/01/25	11/25/25
Q3719-11	SB-1125-16A	SOIL	SVOC-TCL BNA -20	8270E	11/24/25	11/25/25	12/01/25	11/25/25
Q3719-12	SB-1125-16B	SOIL			11/24/25			11/25/25

LAB CHRONICLE

Q3719-13	SB-1125-17A	SOIL	SVOC-TCL BNA -20	8270E		11/25/25	11/26/25	
					11/24/25			11/25/25
Q3719-14	SB-1125-17B	SOIL	SVOC-TCL BNA -20	8270E		11/25/25	12/02/25	
					11/24/25			11/25/25
			SVOC-TCL BNA -20	8270E		11/25/25	12/01/25	
