

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092425\
 Data File : BP025853.D
 Acq On : 24 Sep 2025 20:13
 Operator : CG/JU
 Sample : Q3168-03
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 ARS20-0010-Oily Soil-Sludge

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-BP091225.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP025853.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.008	8	12	23	rVB	956018	1146323	22.50%	1.506%
2	5.378	409	415	434	rBV	1553159	2662169	52.26%	3.497%
3	5.772	476	482	489	rBV	59400	95151	1.87%	0.125%
4	6.455	592	598	605	rVB	153946	235849	4.63%	0.310%
5	6.949	671	682	697	rBV	1298043	2589423	50.83%	3.402%
6	7.749	811	818	828	rVB	664637	1057220	20.75%	1.389%
7	7.960	847	854	864	rBV	323532	500807	9.83%	0.658%
8	8.896	1006	1013	1034	rVB	898824	1678483	32.95%	2.205%
9	9.443	1099	1106	1117	rBV2	75203	133735	2.63%	0.176%
10	9.666	1138	1144	1151	rBV2	75025	134314	2.64%	0.176%
11	9.872	1170	1179	1187	rBV3	45583	180124	3.54%	0.237%
12	10.513	1281	1288	1301	rBV	846977	1534840	30.13%	2.016%
13	10.907	1349	1355	1366	rBV7	39842	102410	2.01%	0.135%
14	11.313	1419	1424	1438	rBV	69573	160867	3.16%	0.211%
15	12.654	1647	1652	1659	rBV2	252553	492138	9.66%	0.647%
16	12.978	1700	1707	1718	rBV	1599412	2431865	47.73%	3.195%
17	13.684	1824	1827	1829	rBV4	82820	110947	2.18%	0.146%
18	13.778	1840	1843	1848	rBV	238990	318167	6.25%	0.418%
19	13.848	1851	1855	1858	rVB2	154045	216416	4.25%	0.284%
20	14.101	1894	1898	1903	rBV6	191003	392319	7.70%	0.515%
21	14.189	1909	1913	1921	rVB2	451548	866140	17.00%	1.138%
22	14.372	1934	1944	1950	rBV2	1576073	3324947	65.27%	4.368%
23	14.431	1951	1954	1963	rVV3	242046	595884	11.70%	0.783%
24	14.778	2011	2013	2018	rBV3	178256	221228	4.34%	0.291%
25	15.172	2076	2080	2086	rBV3	666257	900945	17.68%	1.184%
26	15.889	2198	2202	2209	rVB	1712422	2488986	48.86%	3.270%
27	16.148	2243	2246	2250	rVB	1822747	2549421	50.04%	3.349%
28	16.989	2385	2389	2399	rVB	2886104	4908800	96.35%	6.449%
29	17.178	2417	2421	2424	rBV2	1498996	2470738	48.50%	3.246%
30	17.219	2425	2428	2432	rVB	2002905	2775688	54.48%	3.647%
31	18.119	2578	2581	2587	rVB2	2501016	3513944	68.97%	4.616%
32	19.148	2754	2756	2762	rVB	2630234	3211251	63.03%	4.219%
33	19.307	2780	2783	2788	rVB	3449368	4139036	81.24%	5.438%
34	19.683	2844	2847	2850	rVB	2254101	2791111	54.79%	3.667%
35	19.895	2880	2883	2894	rVB	2497855	4408109	86.53%	5.791%
36	21.524	3156	3160	3167	rVB	1707326	2465720	48.40%	3.239%

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37	21.624	3171	3177	3182	rVV3	2184047	5094528	100.00%	6.693%
38	21.671	3182	3185	3195	rVB	1460818	2308328	45.31%	3.033%
39	21.854	3213	3216	3221	rVB	877654	1205104	23.65%	1.583%
40	21.924	3224	3228	3233	rVB	1202946	1849174	36.30%	2.429%
41	23.924	3562	3568	3576	rBV	806107	2096705	41.16%	2.755%
42	24.671	3690	3695	3706	rVB	499926	1444323	28.35%	1.897%
43	24.830	3716	3722	3736	rVB	645357	1940618	38.09%	2.549%
44	24.989	3742	3749	3758	rVB	963487	2373724	46.59%	3.118%

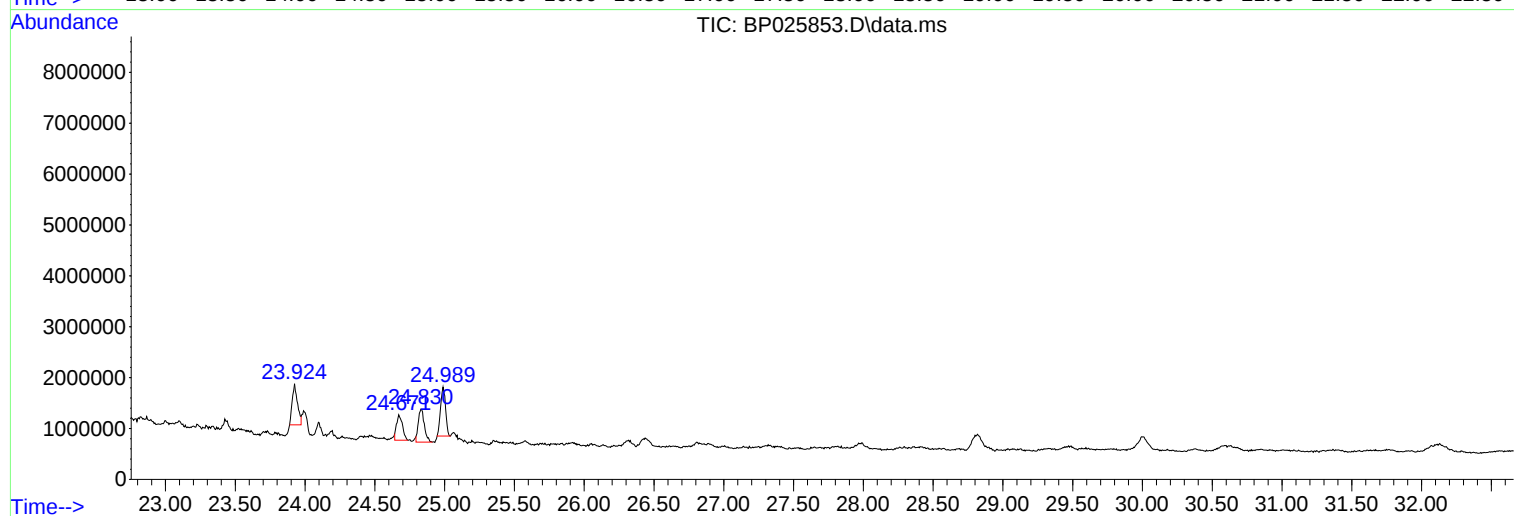
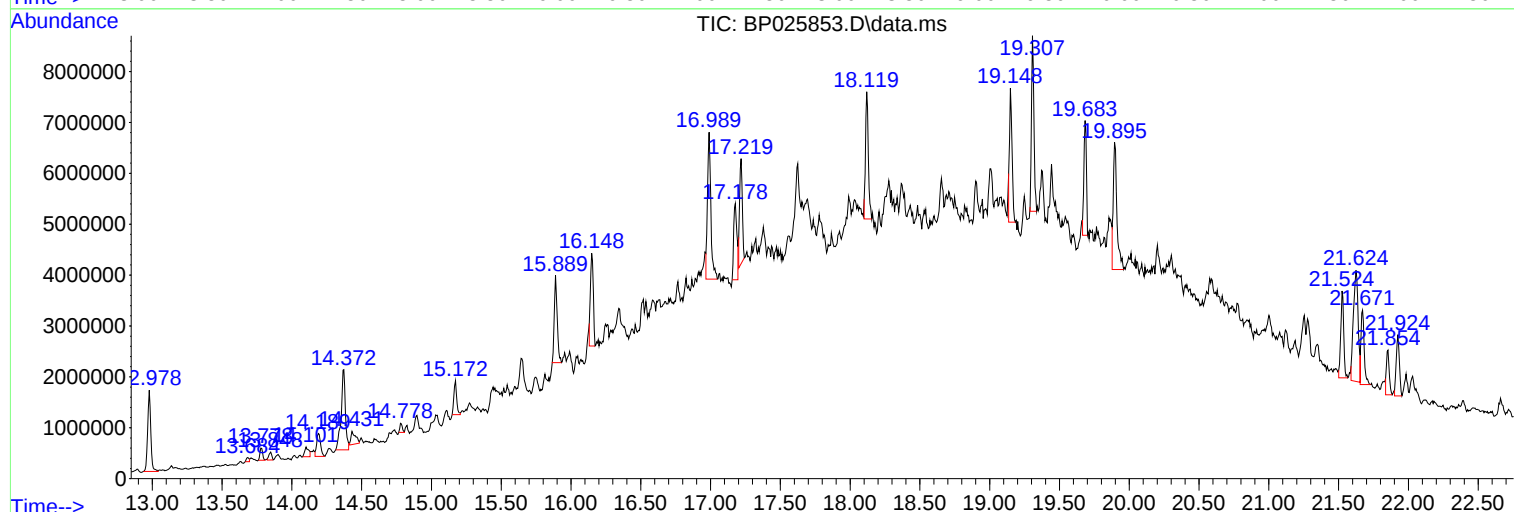
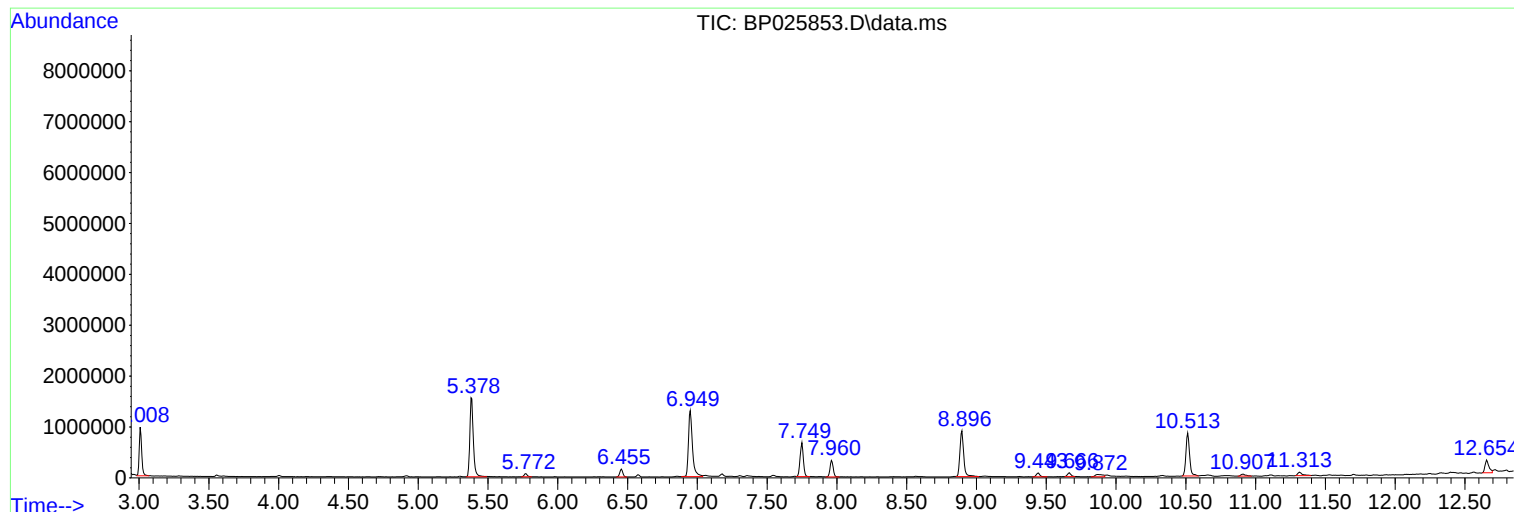
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP091225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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Misc :
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ClientSampleId :
ARS20-0010-Oily Soil-Sludge

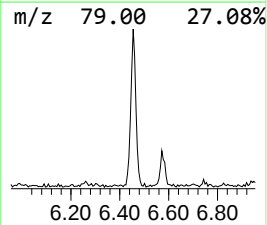
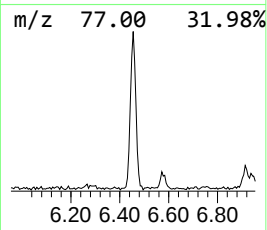
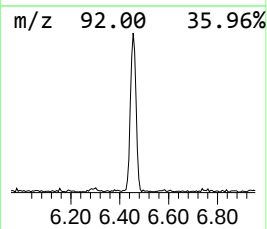
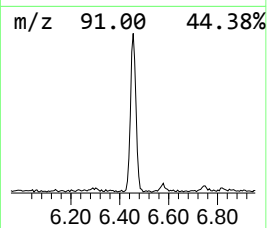
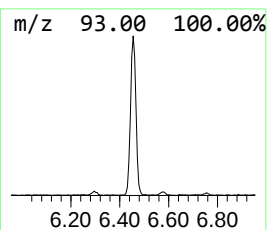
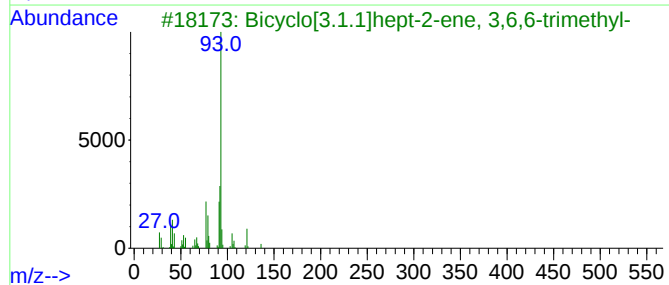
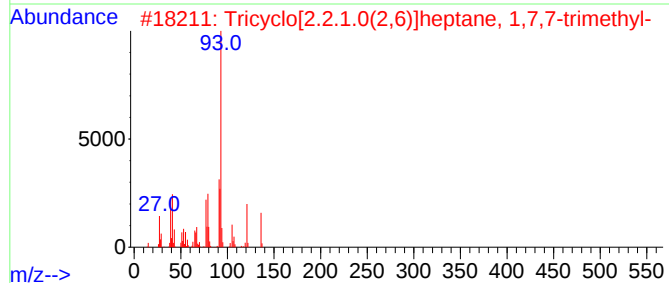
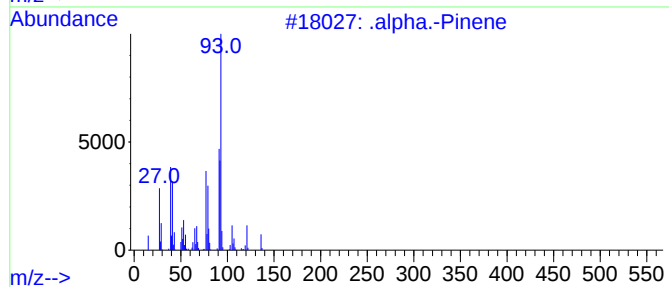
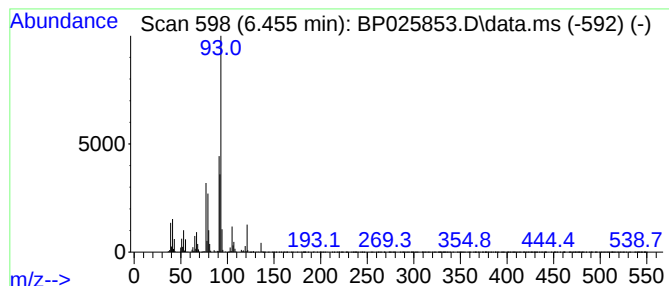
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 .alpha.-Pinene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.455	4.46 ng	235849	1,4-Dichlorobenzene-d4	7.749

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			.alpha.-Pinene	136	C10H16	000080-56-8	94
2			Tricyclo[2.2.1.0(2,6)]heptane, 1...	136	C10H16	000508-32-7	91
3			Bicyclo[3.1.1]hept-2-ene, 3,6,6-...	136	C10H16	004889-83-2	91
4			Bicyclo[3.1.1]heptane, 6,6-dimet...	136	C10H16	018172-67-3	90
5			3,5-Methanocyclopentapyrazole, 3...	164	C10H16N2	087143-58-6	90



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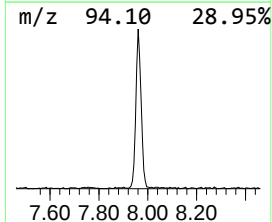
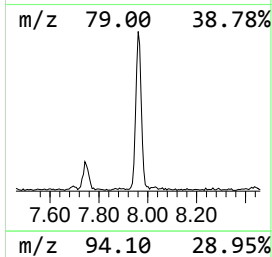
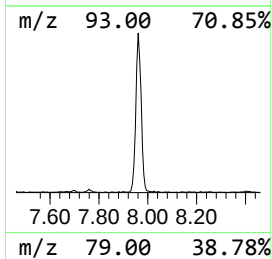
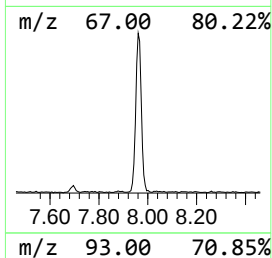
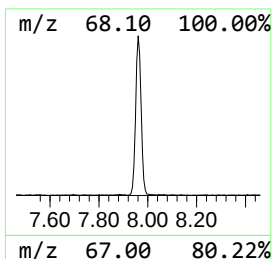
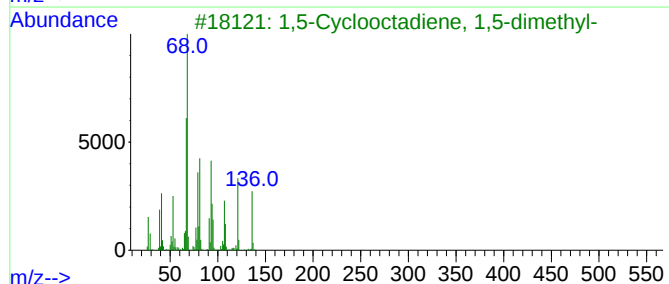
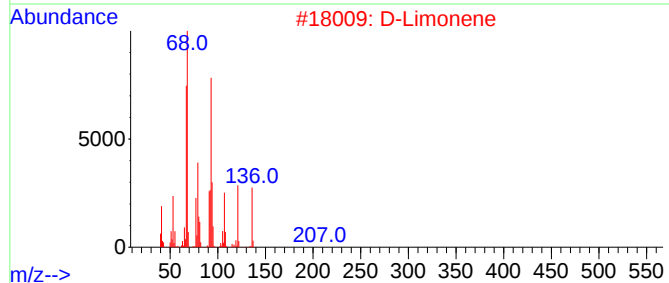
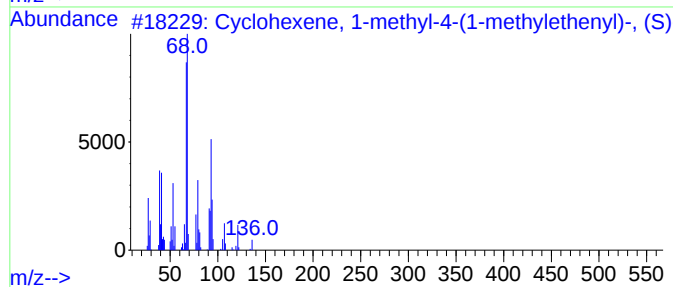
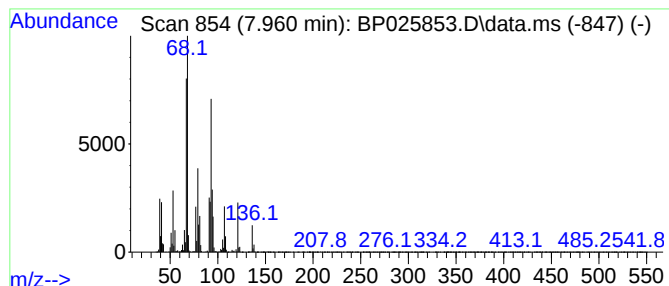
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Cyclohexene, 1-methyl-4-(1-... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.960	9.47 ng	500807	1,4-Dichlorobenzene-d4	7.749

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexene, 1-methyl-4-(1-methy...	136	C10H16	005989-54-8	96
2			D-Limonene	136	C10H16	005989-27-5	96
3			1,5-Cyclooctadiene, 1,5-dimethyl-	136	C10H16	003760-14-3	91
4			Cyclohexene, 1-methyl-5-(1-methy...	136	C10H16	013898-73-2	90
5			Limonene	136	C10H16	000138-86-3	87



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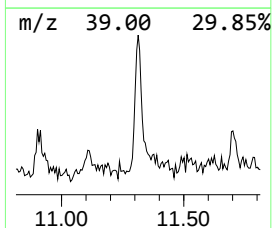
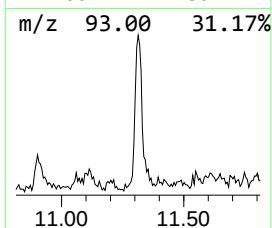
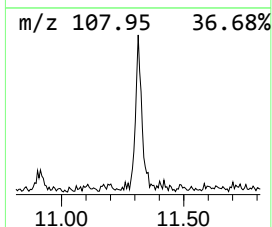
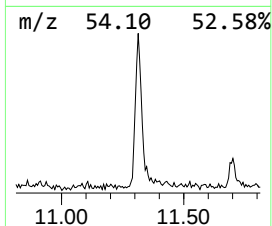
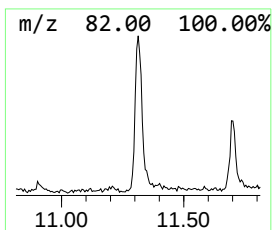
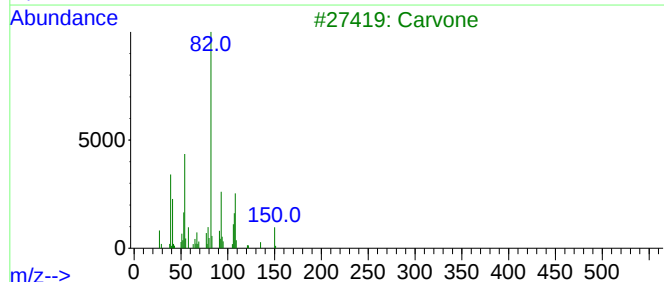
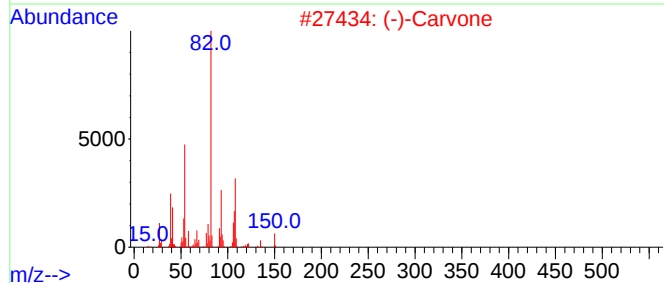
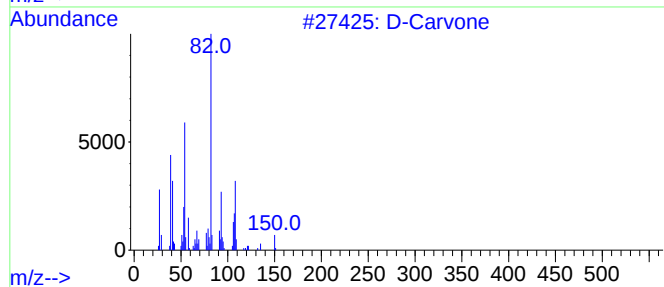
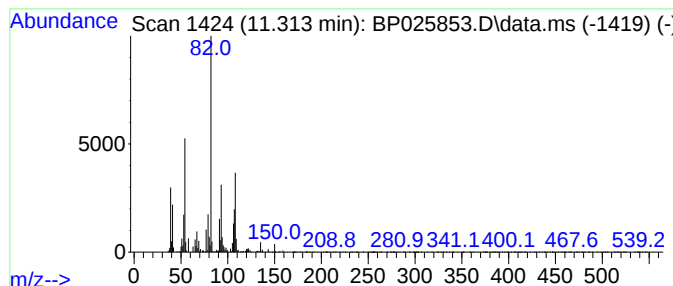
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 D-Carvone Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.313	2.10 ng	160867	Naphthalene-d8	10.513

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			D-Carvone	150	C10H14O	002244-16-8	94
2			(-)-Carvone	150	C10H14O	006485-40-1	90
3			Carvone	150	C10H14O	000099-49-0	90
4			1H-Imidazole, 2-methyl-	82	C4H6N2	000693-98-1	43
5			1,5-Cyclooctadiene, (Z,Z)-	108	C8H12	001552-12-1	38



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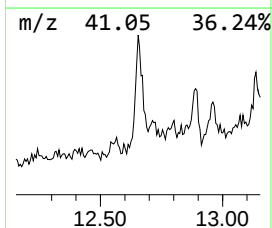
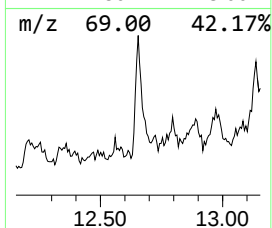
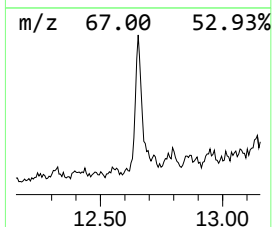
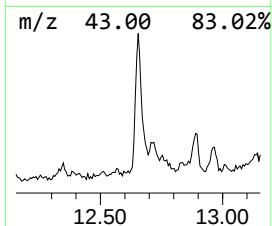
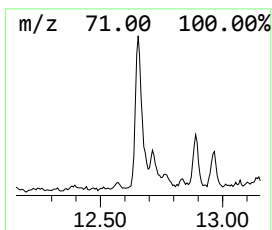
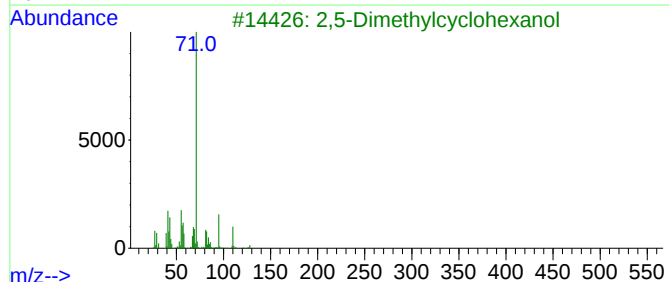
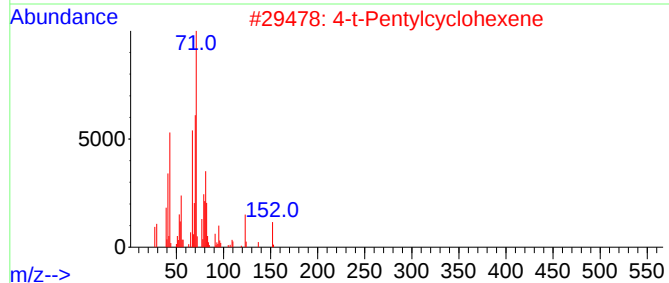
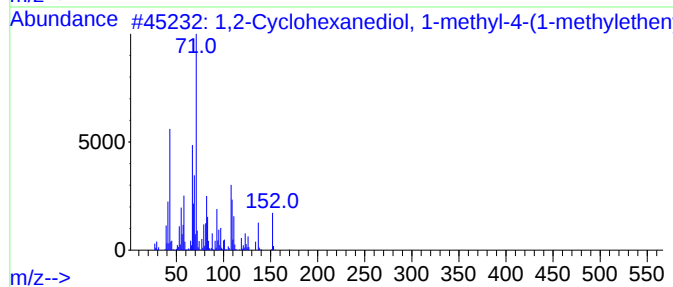
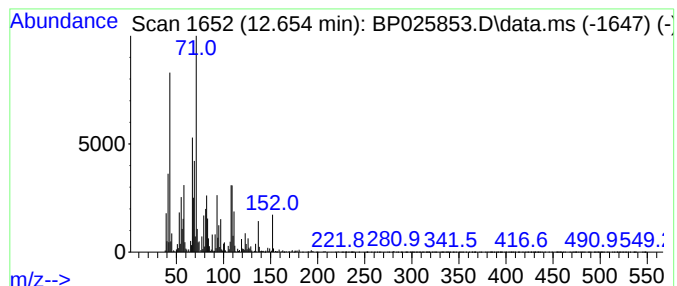
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TIC Library : C:\Database\NIST20.L
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Peak Number 5 1,2-Cyclohexanediol, 1-meth... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.654	2.96 ng	492138	Acenaphthene-d10	14.372

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1,2-Cyclohexanediol, 1-methyl-4-...	170	C10H18O2	001946-00-5	97
2			4-t-Pentylcyclohexene	152	C11H20	051874-62-5	49
3			2,5-Dimethylcyclohexanol	128	C8H16O	003809-32-3	30
4			3-Octen-2-ol	128	C8H16O	076649-14-4	27
5			Sulfurous acid, dodecyl pentyl e...	320	C17H36O3S	1000309-14-5	27



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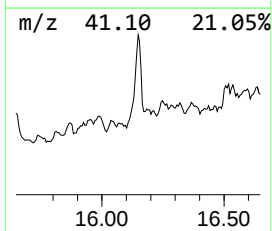
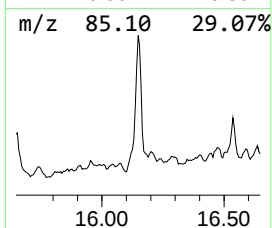
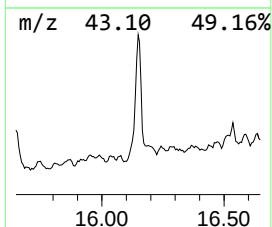
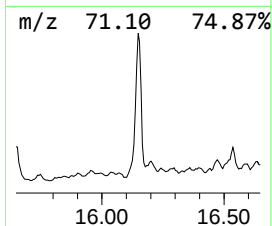
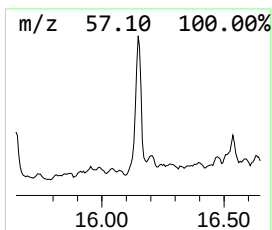
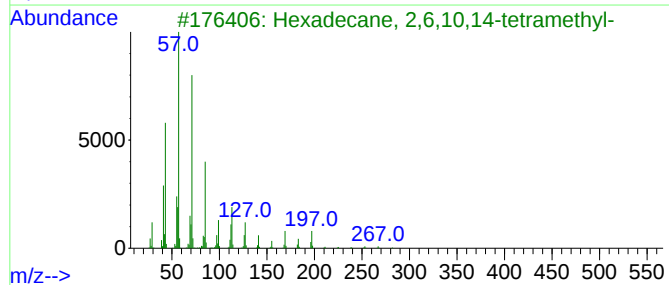
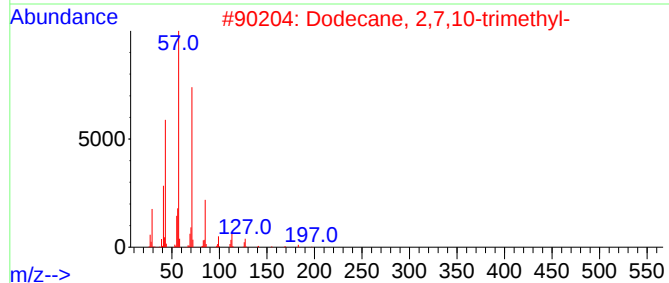
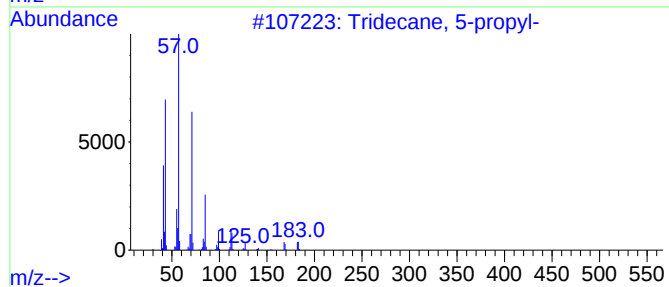
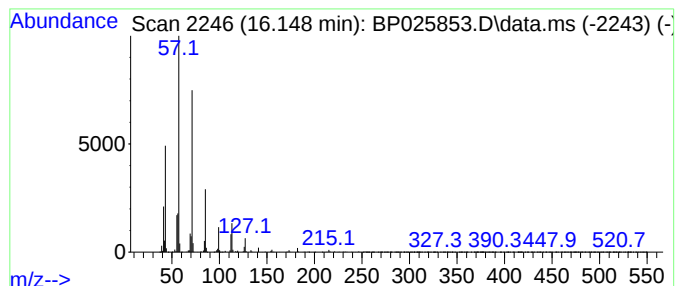
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Tridecane, 5-propyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.148	20.64 ng	2549420	Phenanthrene-d10	17.172

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tridecane, 5-propyl-	226	C16H34	055045-11-9	91
2			Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	86
3			Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	83
4			Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	78
5			Sulfurous acid, 2-ethylhexyl non...	320	C17H36O3S	1010309-19-2	72



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092425\
Data File : BP025853.D
Acq On : 24 Sep 2025 20:13
Operator : CG/JU
Sample : Q3168-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ARS20-0010-Oily Soil-Sludge

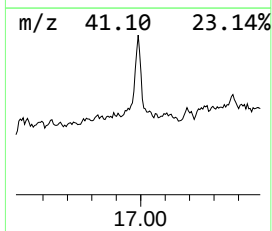
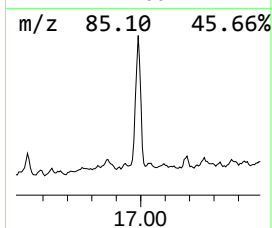
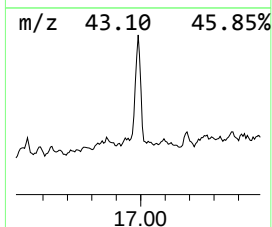
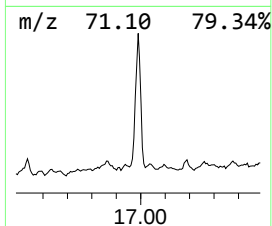
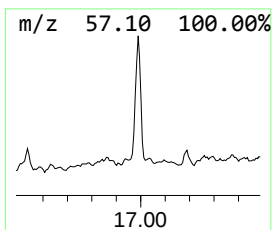
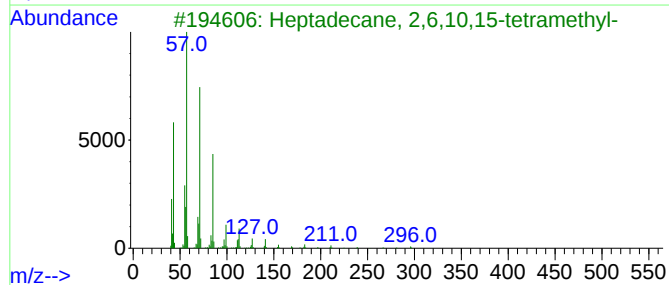
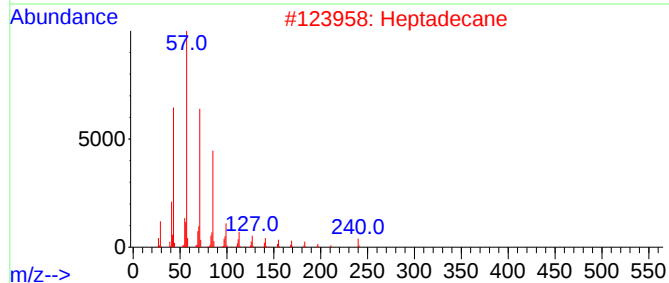
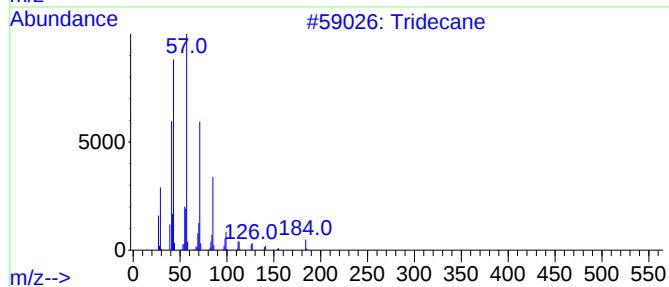
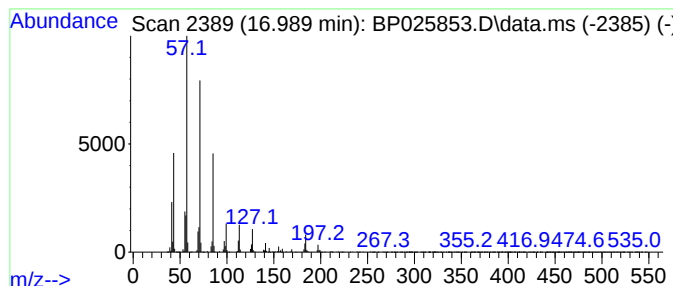
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Tridecane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.989	39.74 ng	4908800	Phenanthrene-d10	17.172

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tridecane	184	C13H28	000629-50-5	91
2			Heptadecane	240	C17H36	000629-78-7	90
3			Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	86
4			Hexadecane	226	C16H34	000544-76-3	80
5			Sulfurous acid, 2-ethylhexyl hex...	278	C14H30O3S	1000309-20-2	72



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092425\
Data File : BP025853.D
Acq On : 24 Sep 2025 20:13
Operator : CG/JU
Sample : Q3168-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ARS20-0010-Oily Soil-Sludge

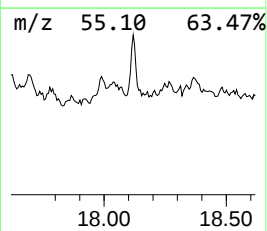
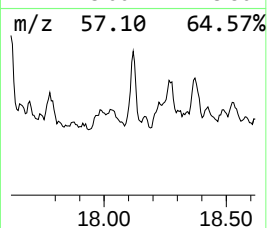
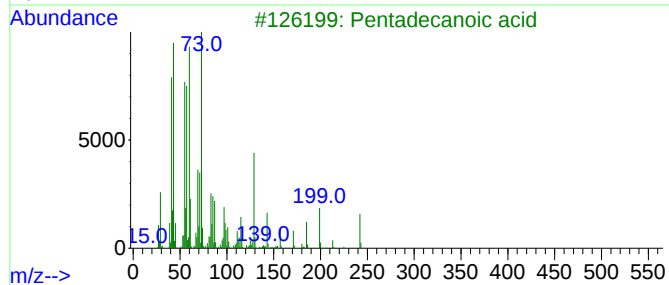
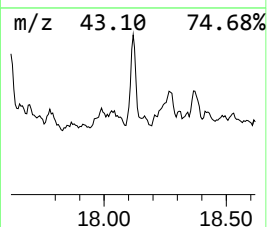
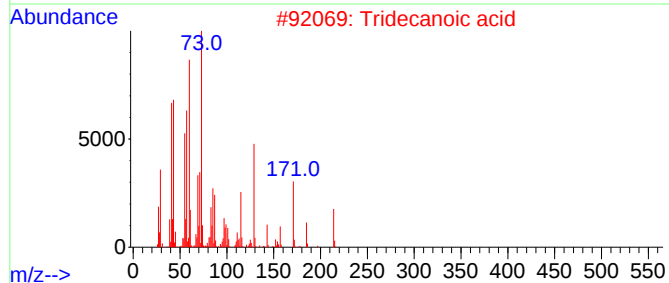
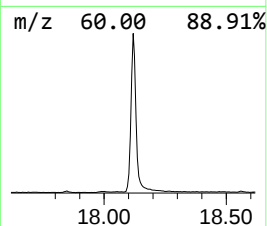
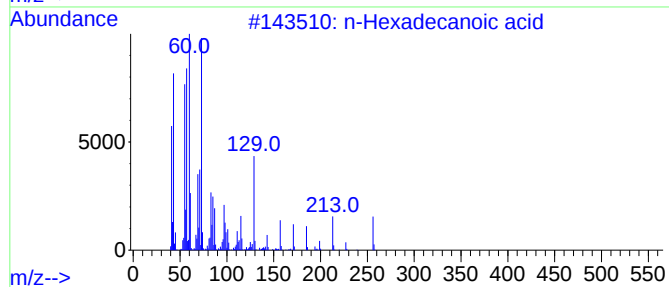
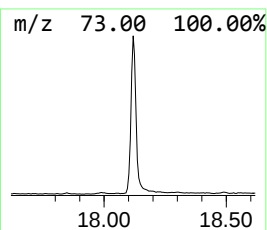
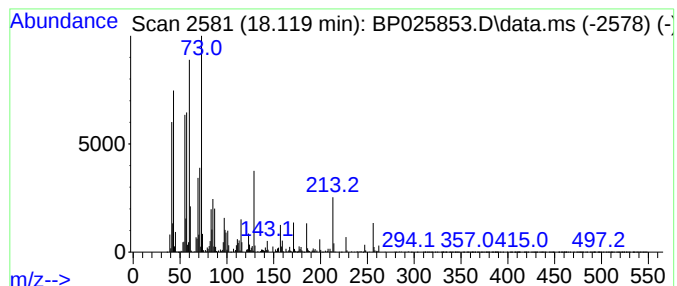
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.119	28.44 ng	3513940	Phenanthrene-d10	17.172

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	96
3			Pentadecanoic acid	242	C15H30O2	001002-84-2	87
4			Tetradecanoic acid	228	C14H28O2	000544-63-8	83
5			Undecanoic acid	186	C11H22O2	000112-37-8	80



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092425\
Data File : BP025853.D
Acq On : 24 Sep 2025 20:13
Operator : CG/JU
Sample : Q3168-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ARS20-0010-Oily Soil-Sludge

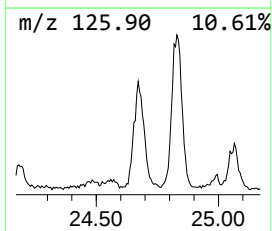
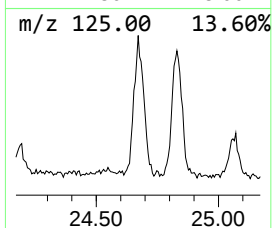
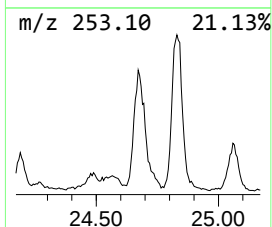
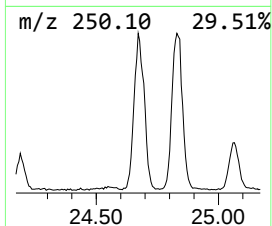
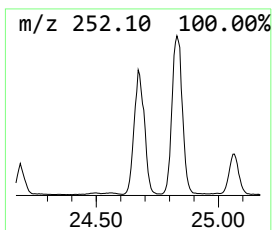
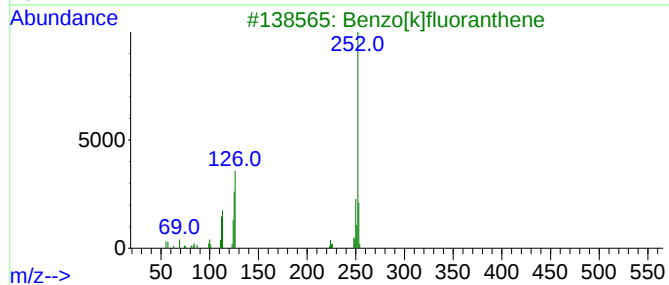
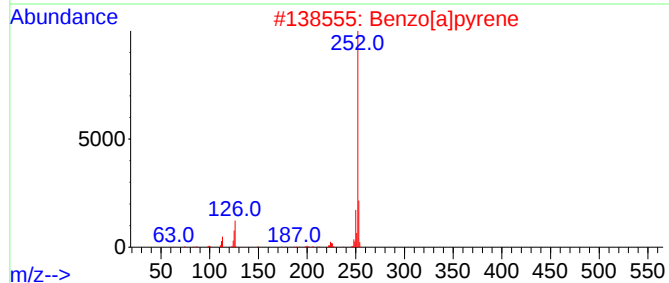
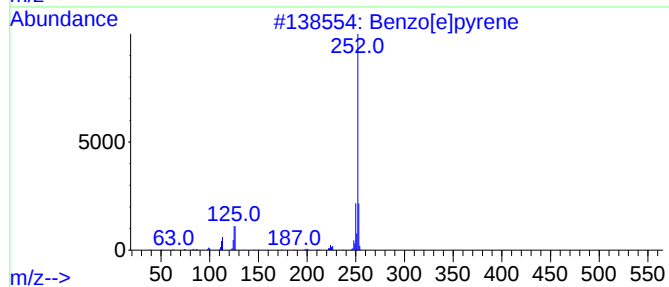
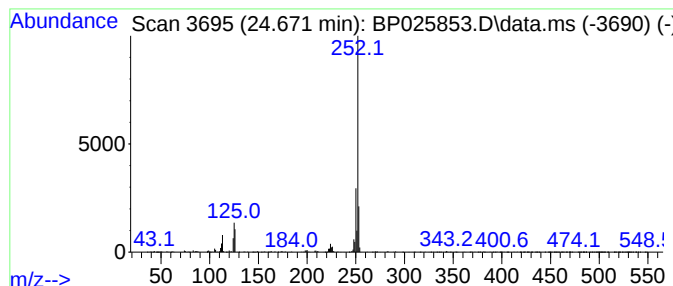
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Benzo[e]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.671	12.17 ng	1444320	Perylene-d12	24.989

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[e]pyrene	252	C20H12	000192-97-2	98
2			Benzo[a]pyrene	252	C20H12	000050-32-8	96
3			Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
4			Benzo[b]fluoranthene	252	C20H12	000205-99-2	95
5			Benzo[j]fluoranthene	252	C20H12	000205-82-3	95



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092425\
Data File : BP025853.D
Acq On : 24 Sep 2025 20:13
Operator : CG/JU
Sample : Q3168-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ARS20-0010-Oily Soil-Sludge

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP091225.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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Cyclohexene, 1-...	7.960	9.5	ng	500807	1	7.749	1057220	20.0
D-Carvone	11.313	2.1	ng	160867	2	10.513	1534840	20.0
1,2-Cyclohexane...	12.654	3.0	ng	492138	3	14.372	3324950	20.0
Tridecane, 5-pr...	16.148	20.6	ng	2549420	4	17.172	2470740	20.0
Tridecane	16.989	39.7	ng	4908800	4	17.172	2470740	20.0
n-Hexadecanoic ...	18.119	28.4	ng	3513940	4	17.172	2470740	20.0
Benzo[e]pyrene	24.671	12.2	ng	1444320	6	24.989	2373720	20.0