

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082525\
 Data File : BP025574.D
 Acq On : 25 Aug 2025 21:14
 Operator : CG/JU
 Sample : Q2941-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SOIL-COMP(1-2)

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-BP081425.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP025574.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.031	12	16	22	rBV	1146034	1453538	20.39%	2.084%
2	3.073	22	23	33	rVB	66986	76932	1.08%	0.110%
3	4.937	332	340	351	rBV	401239	589952	8.27%	0.846%
4	5.408	413	420	435	rBV	2166842	3380566	47.41%	4.846%
5	6.966	675	685	701	rBV	2156317	3587711	50.32%	5.143%
6	7.778	815	823	831	rBV	787843	1272105	17.84%	1.824%
7	8.202	889	895	901	rBV	203855	316600	4.44%	0.454%
8	8.396	920	928	934	rBV2	55541	97243	1.36%	0.139%
9	8.913	1009	1016	1028	rBV	1404475	2367996	33.21%	3.395%
10	10.549	1286	1294	1302	rBV	989476	1780409	24.97%	2.552%
11	13.007	1704	1712	1729	rBV	3395766	5086078	71.33%	7.291%
12	14.107	1894	1899	1905	rBV	66326	104631	1.47%	0.150%
13	14.390	1939	1947	1953	rBV	1638726	2392267	33.55%	3.430%
14	14.454	1953	1958	1965	rVB2	46077	78855	1.11%	0.113%
15	15.448	2122	2127	2138	rVB2	72809	117404	1.65%	0.168%
16	15.760	2173	2180	2195	rVB	735370	1180466	16.56%	1.692%
17	15.901	2196	2204	2214	rBV	2648828	4456260	62.50%	6.389%
18	16.337	2273	2278	2289	rVB	154030	232781	3.26%	0.334%
19	17.184	2415	2422	2426	rBV	1913613	2874961	40.32%	4.122%
20	17.225	2426	2429	2434	rVB	979560	1225619	17.19%	1.757%
21	17.313	2439	2444	2450	rVV	172109	290779	4.08%	0.417%
22	17.378	2450	2455	2462	rVB2	46795	92703	1.30%	0.133%
23	17.595	2485	2492	2497	rBV	63088	109756	1.54%	0.157%
24	18.084	2570	2575	2577	rBV	111657	154591	2.17%	0.222%
25	18.119	2577	2581	2589	rVB2	1208500	1729342	24.25%	2.479%
26	18.219	2595	2598	2603	rVB	54230	78970	1.11%	0.113%
27	18.289	2604	2610	2613	rVV3	223702	414572	5.81%	0.594%
28	18.319	2613	2615	2624	rVB	98777	139025	1.95%	0.199%
29	18.601	2659	2663	2666	rBV	87751	118311	1.66%	0.170%
30	18.642	2666	2670	2675	rVB	94668	128949	1.81%	0.185%
31	19.036	2733	2737	2741	rVB2	71788	104497	1.47%	0.150%
32	19.178	2757	2761	2769	rVB	96739	155688	2.18%	0.223%
33	19.307	2777	2783	2792	rBV	2517466	3712714	52.07%	5.323%
34	19.442	2803	2806	2813	rBV4	240481	330432	4.63%	0.474%
35	19.683	2836	2847	2852	rBV	2028346	3617920	50.74%	5.187%
36	19.760	2856	2860	2866	rVB3	87250	154687	2.17%	0.222%

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Integrator: RTE

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Stop Thrs : 0

Peak Location: TOP

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

Peak separation: 5

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37	19.895	2878	2883	2894	rVB	5723069	7130084	100.00%	10.222%
38	20.036	2900	2907	2910	rBV4	111653	236166	3.31%	0.339%
39	20.195	2930	2934	2939	rVB	313667	446819	6.27%	0.641%
40	20.301	2948	2952	2956	rBV	223620	337831	4.74%	0.484%
41	20.360	2959	2962	2967	rVB2	183760	276087	3.87%	0.396%
42	21.283	3114	3119	3124	rBV3	604455	997610	13.99%	1.430%
43	21.619	3167	3176	3181	rBV3	2337033	5378409	75.43%	7.711%
44	21.672	3181	3185	3194	rVB	990586	1742610	24.44%	2.498%
45	21.819	3208	3210	3215	rVB	154744	177812	2.49%	0.255%
46	23.919	3559	3567	3575	rBV	760583	2697053	37.83%	3.867%
47	24.666	3689	3694	3708	rVB	490031	1340023	18.79%	1.921%
48	24.824	3714	3721	3732	rVB	572285	1694543	23.77%	2.429%
49	24.983	3741	3748	3757	rBV	1216310	3293917	46.20%	4.722%

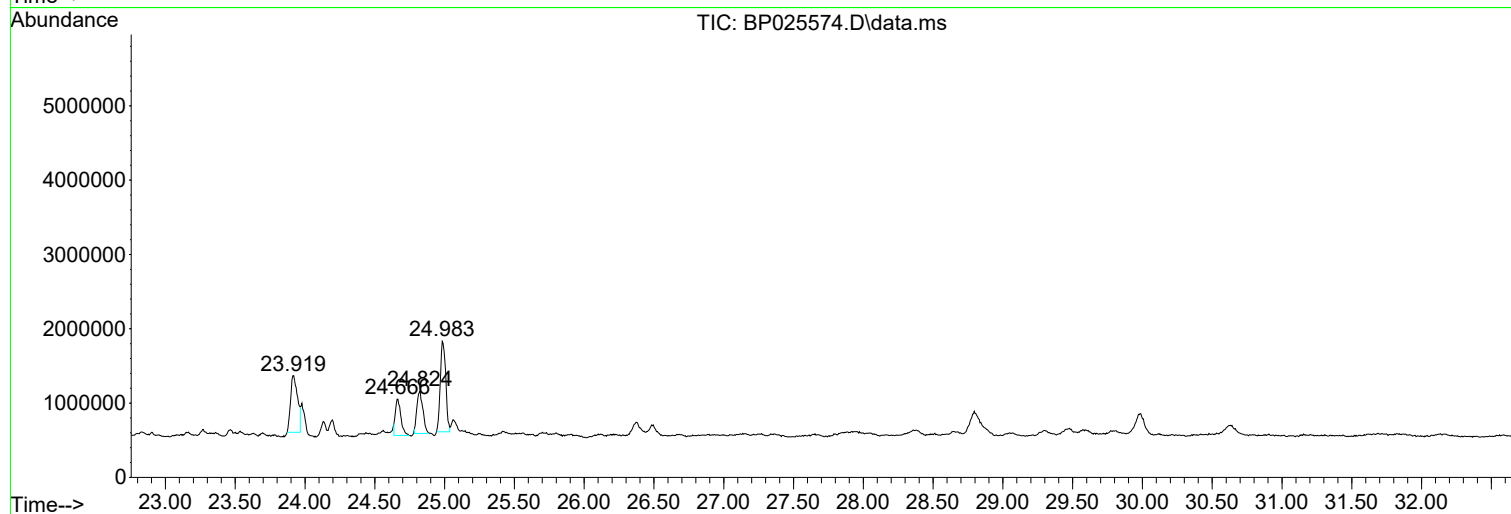
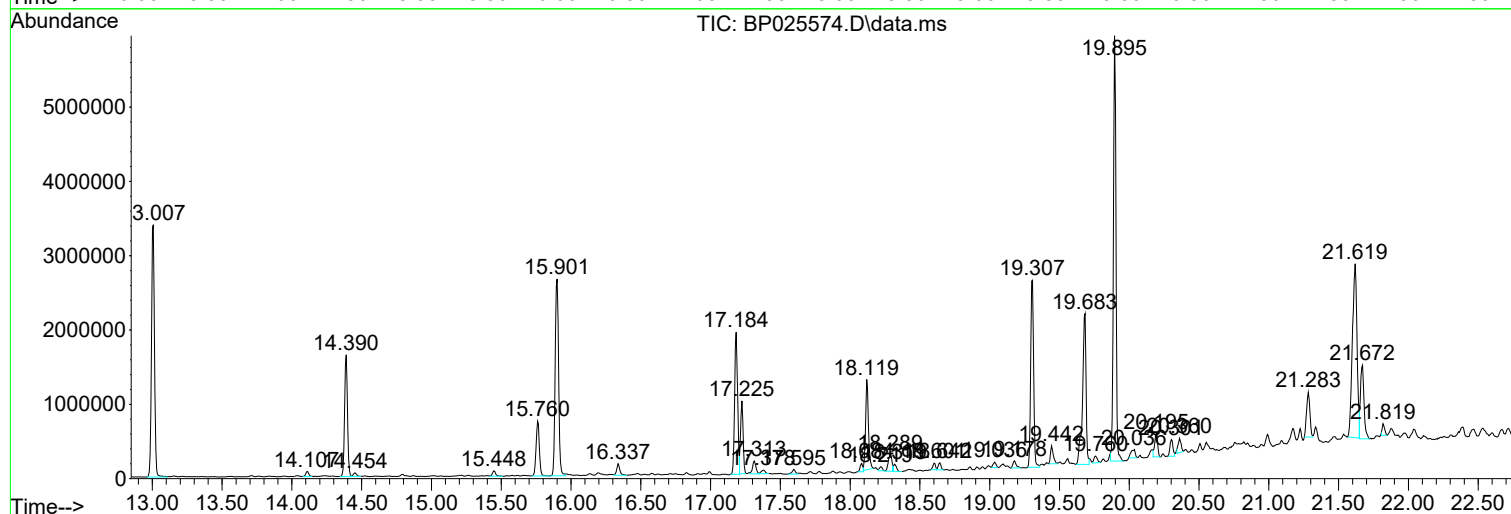
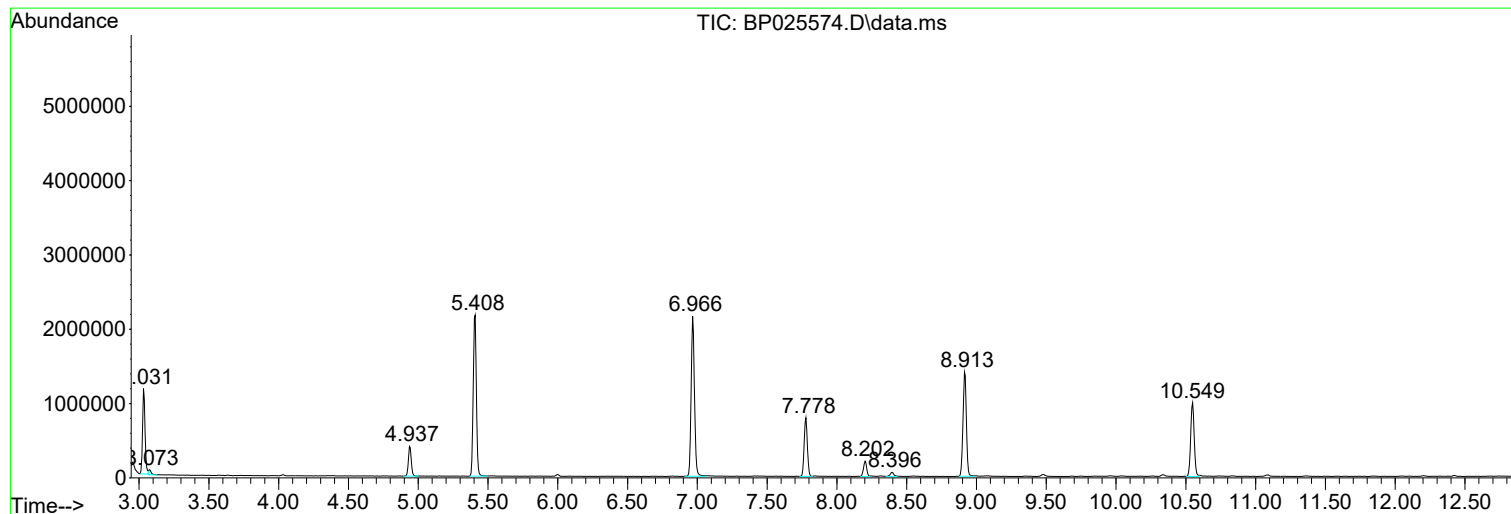
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ClientSampleId :
SOIL-COMP(1-2)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.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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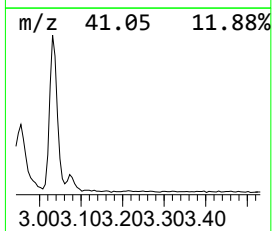
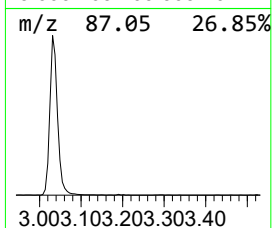
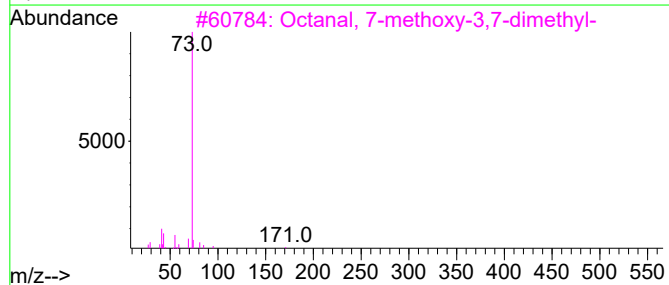
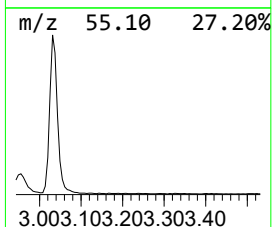
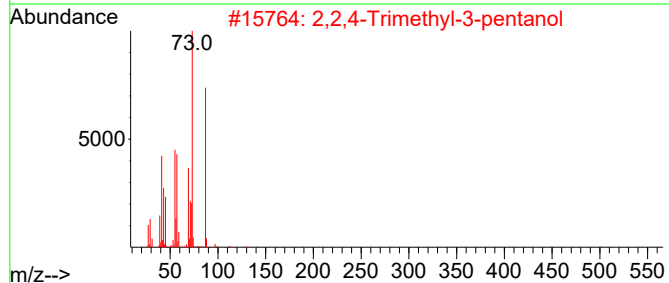
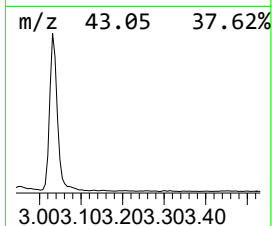
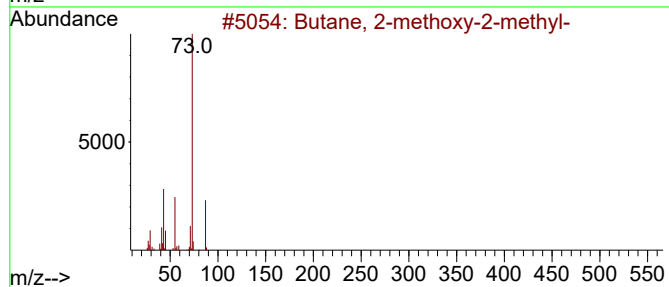
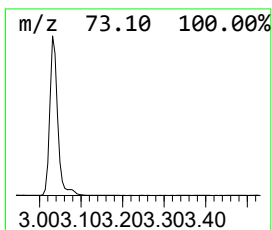
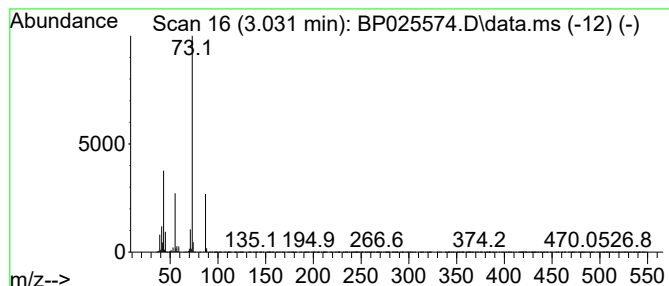
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.031	22.85 ng	1453540	1,4-Dichlorobenzene-d4	7.778

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2			2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
3			Octanal, 7-methoxy-3,7-dimethyl-	186	C11H22O2	003613-30-7	23
4			Pentane, 3-methoxy-	102	C6H14O	036839-67-5	17
5			Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	9



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Misc :
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Instrument :
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SOIL-COMP(1-2)

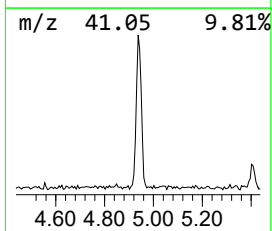
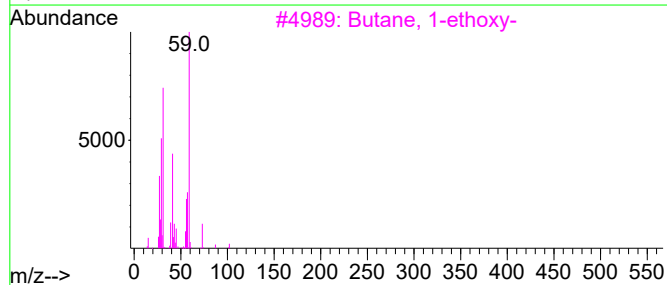
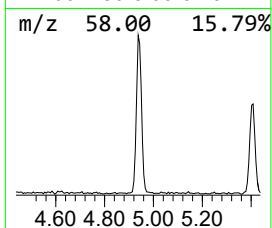
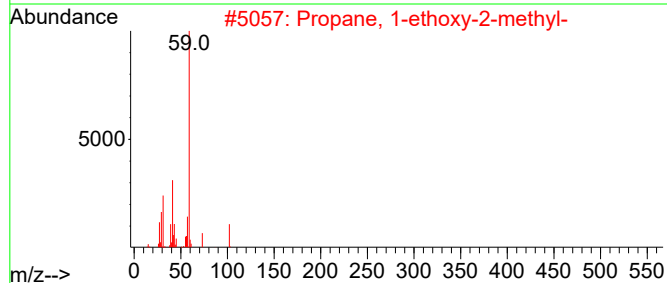
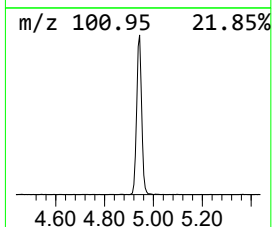
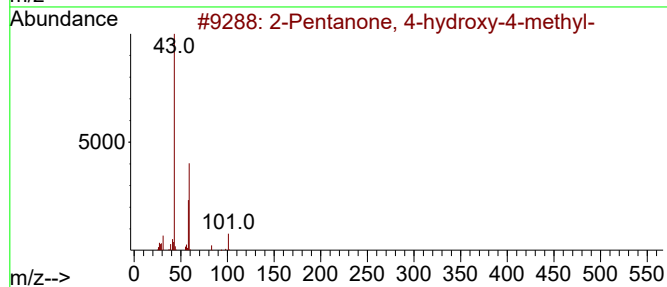
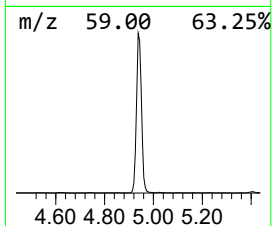
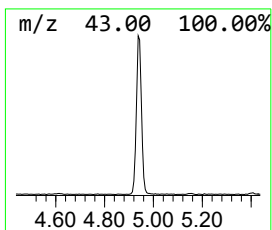
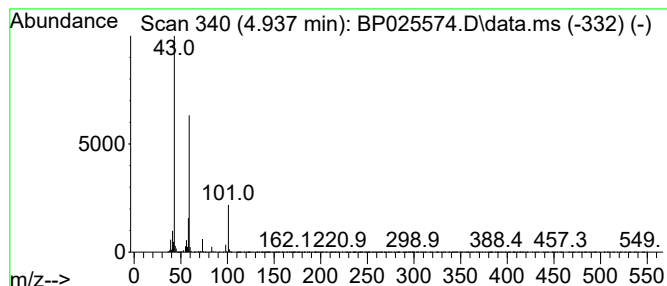
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.937	9.28 ng	589952	1,4-Dichlorobenzene-d4	7.778

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2		Propane, 1-ethoxy-2-methyl-	102	C6H14O	000627-02-1	38
3		Butane, 1-ethoxy-	102	C6H14O	000628-81-9	25
4		1-Butanol, 3-methoxy-	104	C5H12O2	002517-43-3	17
5		Propane, 2-ethoxy-2-methyl-	102	C6H14O	000637-92-3	17



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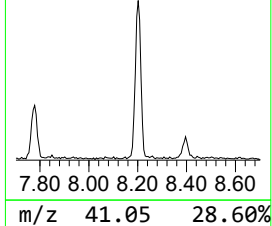
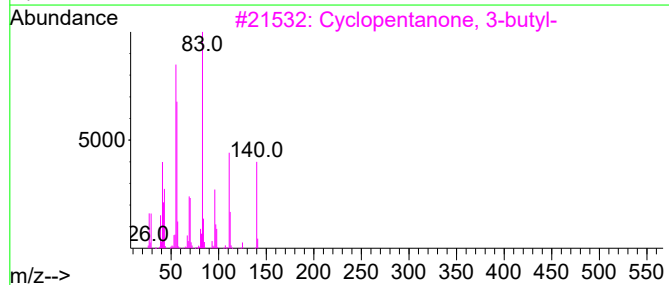
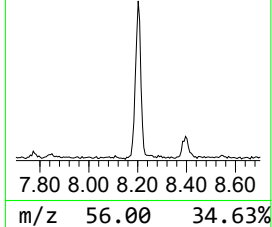
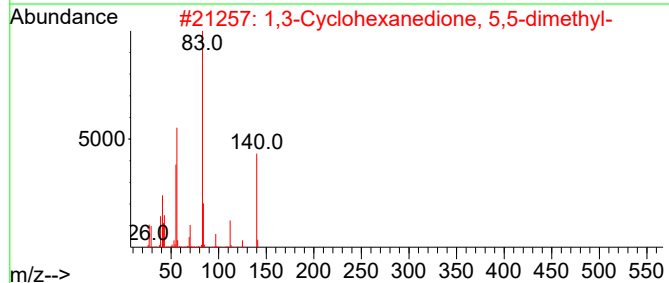
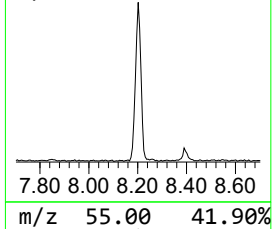
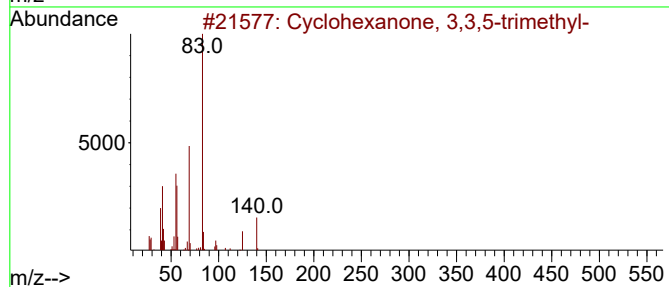
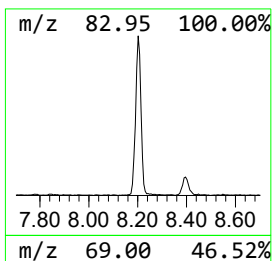
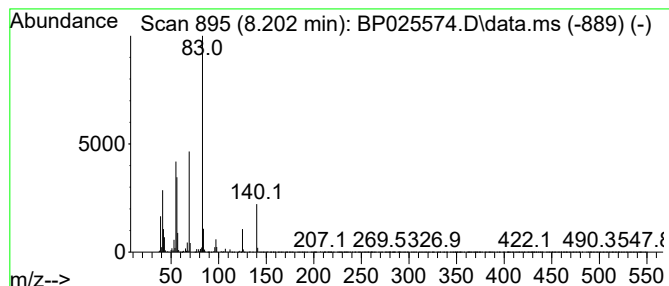
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Cyclohexanone, 3,3,5-trimet... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.202	4.98 ng	316600	1,4-Dichlorobenzene-d4	7.778

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexanone, 3,3,5-trimethyl-	140	C9H16O	000873-94-9	96
2			1,3-Cyclohexanedione, 5,5-dimethyl-	140	C8H12O2	000126-81-8	59
3			Cyclopentanone, 3-butyl-	140	C9H16O	057283-81-5	52
4			N,N'-Bis(2,6-dimethyl-6-nitrosoh...	338	C18H30N2O4	066737-12-0	47
5			2-Hexene, 4,4,5-trimethyl-	126	C9H18	055702-61-9	47



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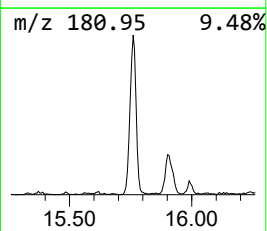
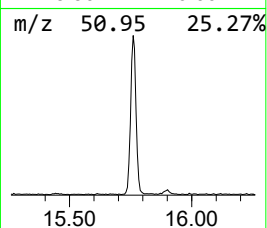
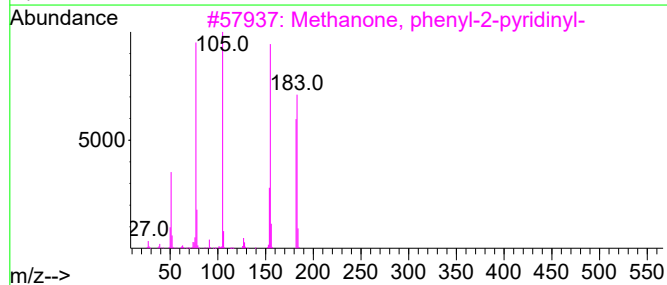
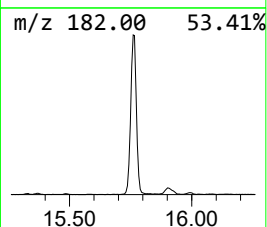
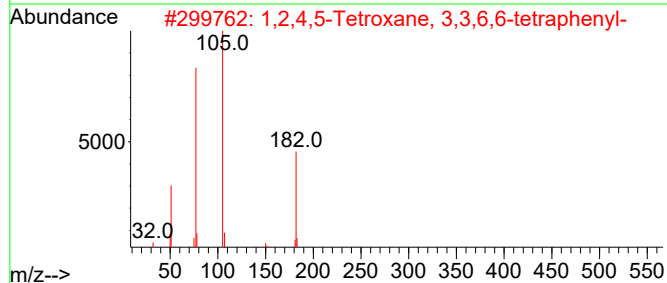
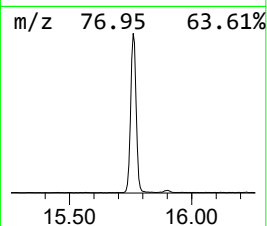
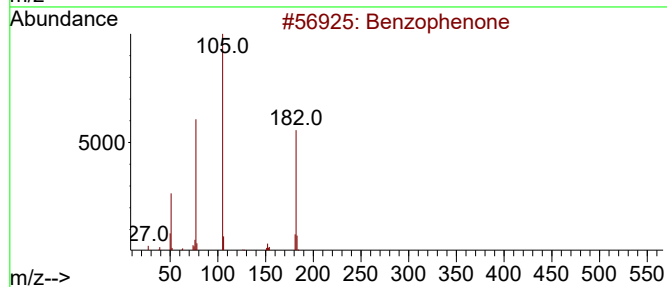
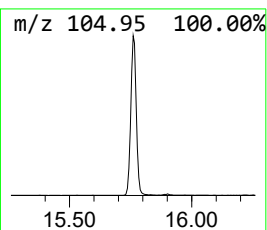
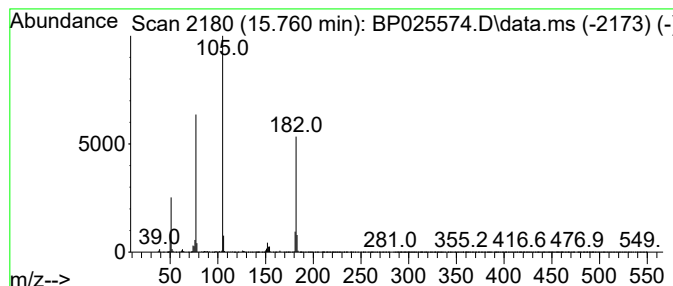
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Benzophenone Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.760	9.87 ng	1180470	Acenaphthene-d10	14.390

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	64
3			Methanone, phenyl-2-pyridinyl-	183	C12H9NO	000091-02-1	56
4			1,2,4-Trioxolane, 3,3,5-triphenyl-	304	C20H16O3	023246-12-0	45
5			Azobenzene	182	C12H10N2	000103-33-3	40



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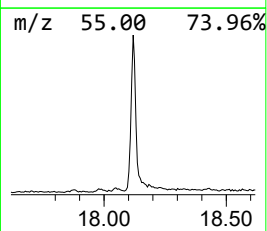
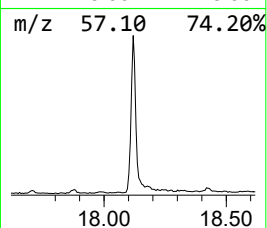
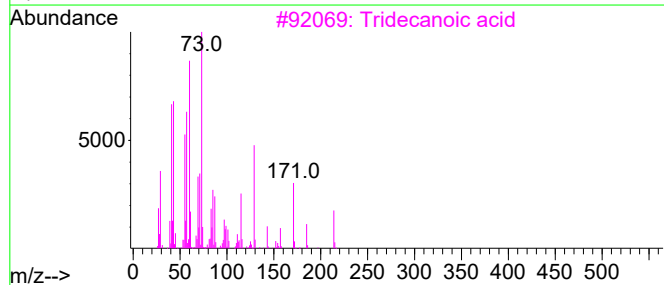
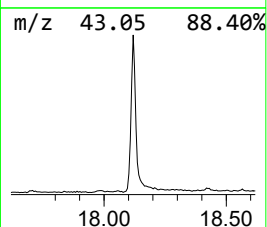
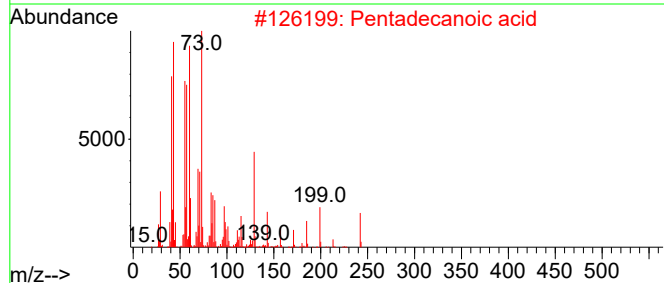
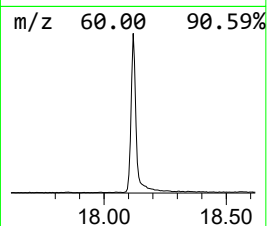
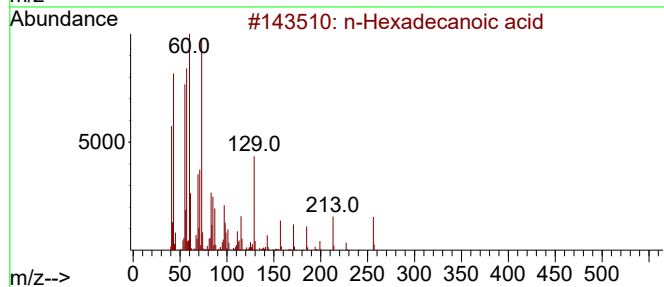
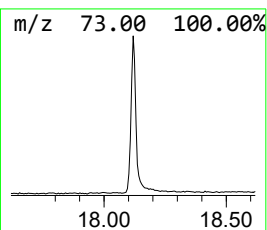
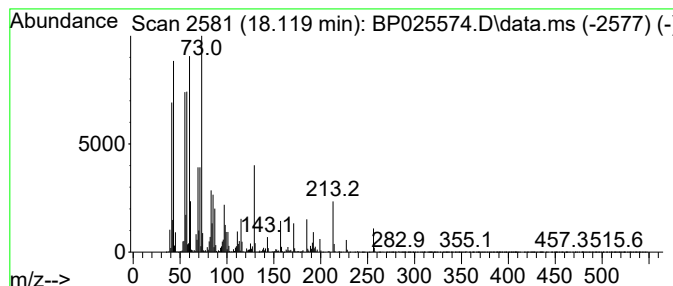
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.119	12.03 ng	1729340	Phenanthrene-d10	17.184

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2			Pentadecanoic acid	242	C15H30O2	001002-84-2	93
3			Tridecanoic acid	214	C13H26O2	000638-53-9	92
4			Tetradecanoic acid	228	C14H28O2	000544-63-8	83
5			n-Decanoic acid	172	C10H20O2	000334-48-5	68



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082525\
Data File : BP025574.D
Acq On : 25 Aug 2025 21:14
Operator : CG/JU
Sample : Q2941-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SOIL-COMP(1-2)

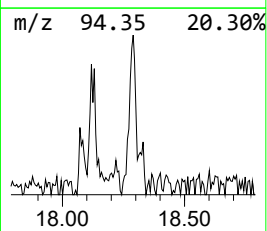
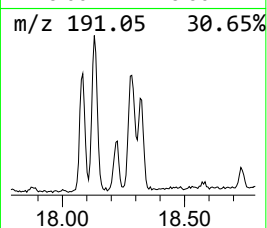
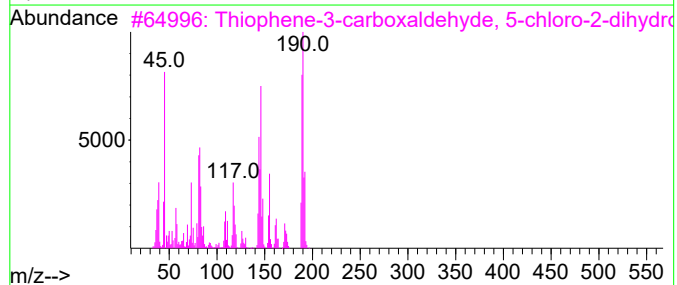
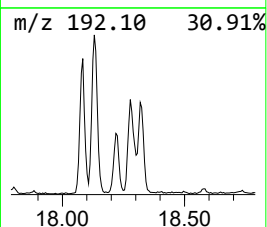
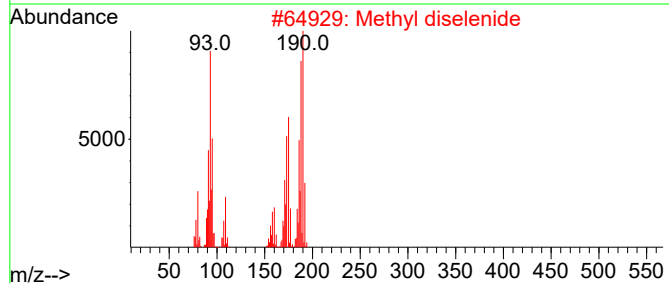
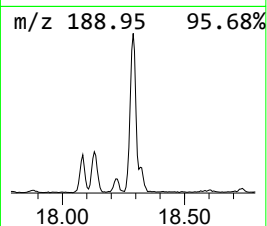
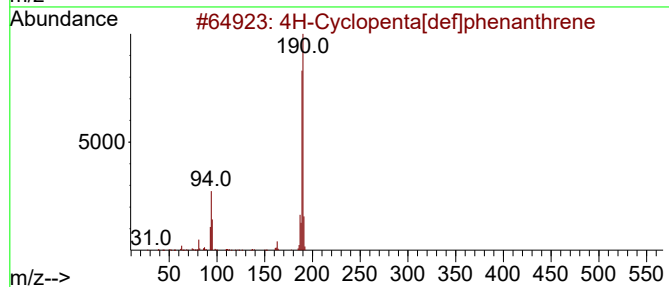
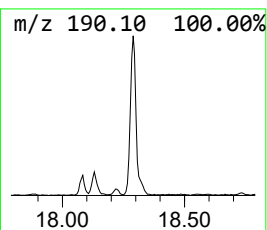
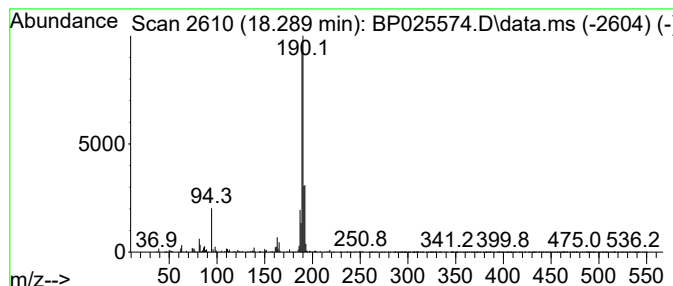
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.289	2.88 ng	414572	Phenanthrene-d10	17.184

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
2			Methyl diselenide	190	C2H6Se2	007101-31-7	55
3			Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	52
4			2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45
5			1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	25



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082525\
Data File : BP025574.D
Acq On : 25 Aug 2025 21:14
Operator : CG/JU
Sample : Q2941-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SOIL-COMP(1-2)

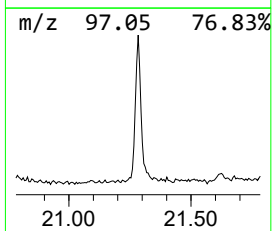
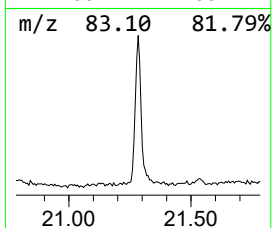
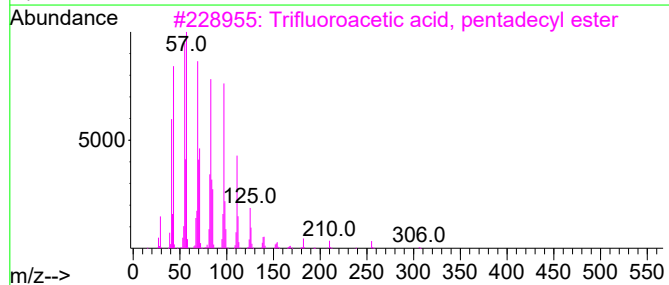
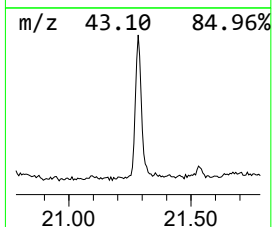
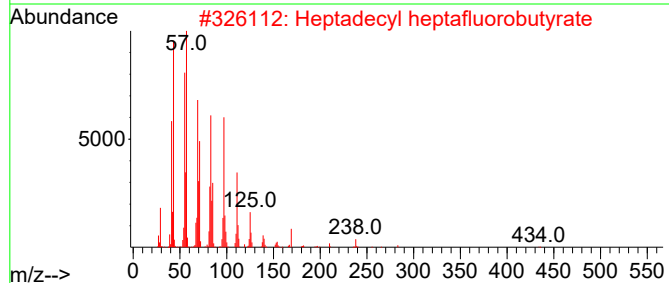
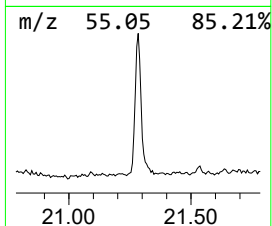
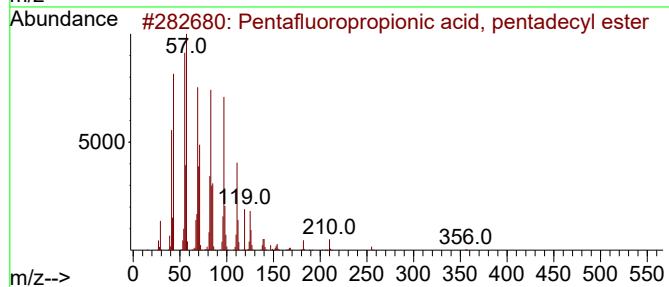
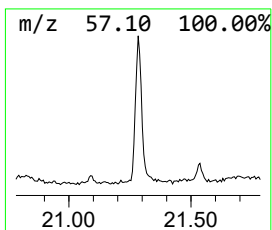
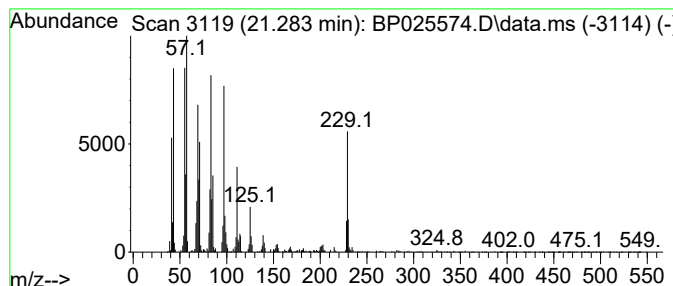
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Pentafluoropropionic acid, ... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.283	3.71 ng	997610	Chrysene-d12	21.619

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentafluoropropionic acid, penta...	374	C18H31F5O2	959092-08-1	91
2			Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	91
3			Trifluoroacetic acid, pentadecyl...	324	C17H31F3O2	959010-23-2	91
4			Heptadecyl trifluoroacetate	352	C19H35F3O2	1010351-87-0	91
5			Heptafluorobutyric acid, pentade...	424	C19H31F7O2	959261-23-5	90



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082525\
Data File : BP025574.D
Acq On : 25 Aug 2025 21:14
Operator : CG/JU
Sample : Q2941-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SOIL-COMP(1-2)

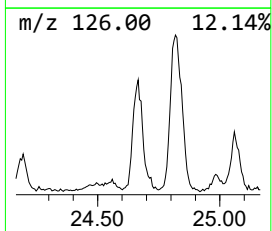
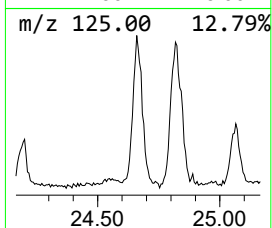
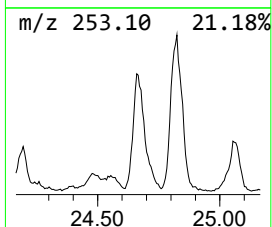
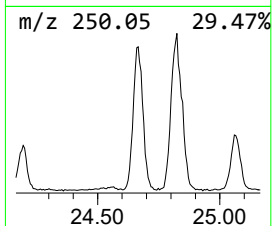
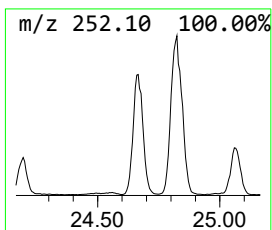
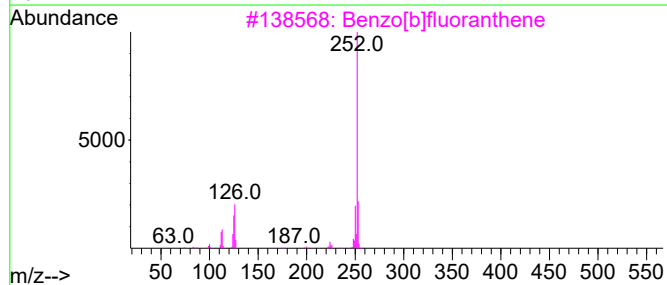
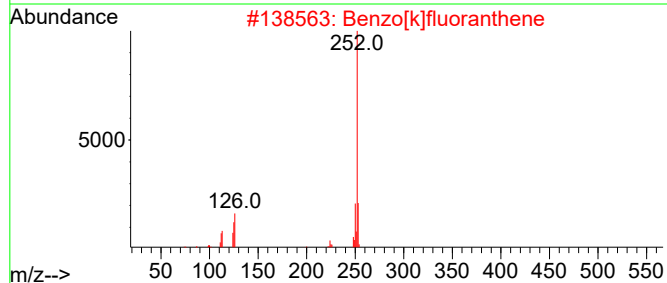
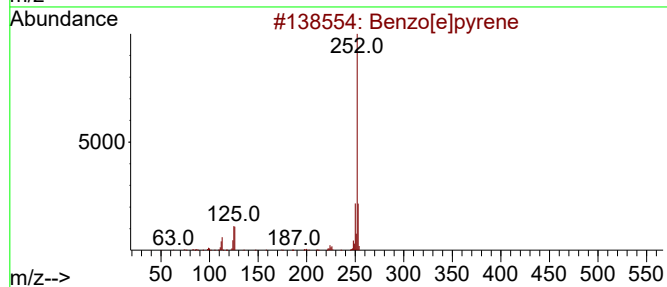
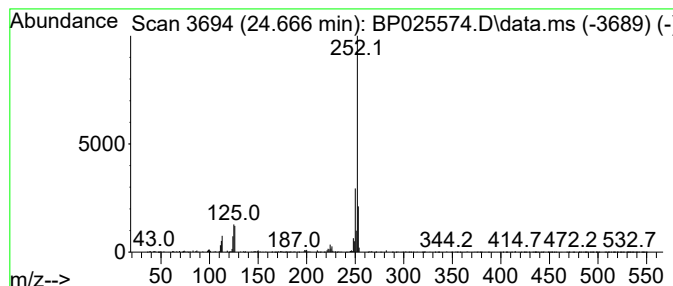
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.666	8.14 ng	1340020	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[k]fluoranthene	252	C20H12	000207-08-9	97
3			Benzo[b]fluoranthene	252	C20H12	000205-99-2	95
4			Benzo[a]pyrene	252	C20H12	000050-32-8	93
5			Benzo[j]fluoranthene	252	C20H12	000205-82-3	90



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082525\
Data File : BP025574.D
Acq On : 25 Aug 2025 21:14
Operator : CG/JU
Sample : Q2941-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SOIL-COMP(1-2)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.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
Butane, 2-metho...	3.031	22.9	ng	1453540	1	7.778	1272110	20.0
2-Pentanone, 4-...	4.937	9.3	ng	589952	1	7.778	1272110	20.0
Cyclohexanone, ...	8.202	5.0	ng	316600	1	7.778	1272110	20.0
Benzophenone	15.760	9.9	ng	1180470	3	14.390	2392270	20.0
n-Hexadecanoic ...	18.119	12.0	ng	1729340	4	17.184	2874960	20.0
4H-Cyclopenta[d]...	18.289	2.9	ng	414572	4	17.184	2874960	20.0
Pentafluoroprop...	21.283	3.7	ng	997610	5	21.619	5378410	20.0
Benzo[e]pyrene	24.666	8.1	ng	1340020	6	24.989	3293920	20.0