

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103024\
 Data File : BF140163.D
 Acq On : 30 Oct 2024 17:46
 Operator : RC/JU
 Sample : P4617-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RO-SOIL

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-BF101824.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF140163.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.163	5	12	23	rVB	974562	1523591	89.39%	5.361%
2	5.104	508	512	519	rVB	10727	17630	1.03%	0.062%
3	5.498	573	579	584	rBV	1291815	1676497	98.36%	5.899%
4	5.728	613	618	623	rBV3	11369	18067	1.06%	0.064%
5	6.498	743	749	755	rBV	1215545	1679746	98.55%	5.910%
6	6.716	781	786	790	rBV2	19317	28454	1.67%	0.100%
7	6.881	809	814	819	rBV	444184	542362	31.82%	1.908%
8	7.145	851	859	866	rBV	27173	48261	2.83%	0.170%
9	7.440	900	909	914	rBV	877755	1105233	64.84%	3.889%
10	7.692	948	952	957	rVB	24833	30201	1.77%	0.106%
11	7.916	984	990	993	rBV3	11213	20758	1.22%	0.073%
12	8.163	1026	1032	1039	rBV	537868	731939	42.94%	2.575%
13	8.375	1064	1068	1072	rBV2	18844	26245	1.54%	0.092%
14	8.439	1075	1079	1081	rBV4	10137	17184	1.01%	0.060%
15	8.581	1100	1103	1106	rBV	11827	18067	1.06%	0.064%
16	8.669	1114	1118	1122	rBV5	11477	21692	1.27%	0.076%
17	8.804	1136	1141	1146	rBV7	14000	30046	1.76%	0.106%
18	8.875	1150	1153	1156	rVB	24808	27708	1.63%	0.097%
19	8.975	1166	1170	1173	rVB	24407	28990	1.70%	0.102%
20	9.069	1178	1186	1190	rBV8	11543	31879	1.87%	0.112%
21	9.186	1203	1206	1209	rVB	17419	19495	1.14%	0.069%
22	9.239	1209	1215	1220	rVB	1383195	1704459	100.00%	5.997%
23	9.322	1224	1229	1234	rBV5	34012	65600	3.85%	0.231%
24	9.504	1256	1260	1264	rBV	25544	42711	2.51%	0.150%
25	9.581	1269	1273	1276	rVV	44127	66526	3.90%	0.234%
26	9.639	1278	1283	1288	rVV4	76620	130837	7.68%	0.460%
27	9.692	1289	1292	1297	rVV2	26658	36997	2.17%	0.130%
28	9.781	1303	1307	1312	rBV	158789	222239	13.04%	0.782%
29	9.833	1313	1316	1320	rVB2	43647	53612	3.15%	0.189%
30	9.922	1325	1331	1335	rVV	506458	669256	39.27%	2.355%
31	9.957	1335	1337	1345	rVV3	52441	74618	4.38%	0.263%
32	10.028	1346	1349	1353	rVV2	20377	28090	1.65%	0.099%
33	10.122	1361	1365	1369	rBV2	50936	66598	3.91%	0.234%
34	10.163	1369	1372	1380	rVB3	31329	53159	3.12%	0.187%
35	10.239	1381	1385	1388	rBV2	57055	88775	5.21%	0.312%
36	10.328	1397	1400	1406	rBV4	47951	77028	4.52%	0.271%

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Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

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Max Peaks: 100

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	10.381	1406	1409	1412	rBV	24569	30494	1.79%	0.107%
38	10.469	1421	1424	1431	rVB2	63757	103654	6.08%	0.365%
39	10.580	1440	1443	1447	rVB2	41311	53494	3.14%	0.188%
40	10.639	1448	1453	1460	rVB	241729	335775	19.70%	1.181%
41	10.710	1460	1465	1470	rBV	656388	869165	50.99%	3.058%
42	10.839	1483	1487	1493	rVB	120547	165171	9.69%	0.581%
43	10.916	1497	1500	1502	rBV	23095	29867	1.75%	0.105%
44	11.310	1564	1567	1574	rVB	77102	107573	6.31%	0.379%
45	11.416	1580	1585	1587	rBV	402826	538924	31.62%	1.896%
46	11.439	1587	1589	1594	rVB	313940	338328	19.85%	1.190%
47	11.492	1594	1598	1601	rBV	141602	177940	10.44%	0.626%
48	11.922	1667	1671	1672	rBV	99903	119782	7.03%	0.421%
49	11.945	1672	1675	1680	rVV	313793	422526	24.79%	1.487%
50	11.992	1680	1683	1686	rVV2	80072	117810	6.91%	0.415%
51	12.033	1686	1690	1698	rVB2	217406	444758	26.09%	1.565%
52	12.216	1718	1721	1724	rBV2	59324	80791	4.74%	0.284%
53	12.398	1749	1752	1755	rBV2	56305	73021	4.28%	0.257%
54	12.474	1760	1765	1768	rBV	218173	318539	18.69%	1.121%
55	12.510	1768	1771	1776	rVV2	103101	177799	10.43%	0.626%
56	12.557	1776	1779	1784	rVV3	95649	131120	7.69%	0.461%
57	12.633	1788	1792	1797	rBV	807560	1029185	60.38%	3.621%
58	12.733	1805	1809	1812	rBV2	94062	117725	6.91%	0.414%
59	12.869	1825	1832	1837	rBV	865974	1325994	77.80%	4.666%
60	12.922	1838	1841	1845	rVB3	104677	137892	8.09%	0.485%
61	13.010	1848	1856	1863	rVB	950497	1432553	84.05%	5.041%
62	13.086	1864	1869	1875	rBV3	152984	305354	17.92%	1.074%
63	13.192	1880	1887	1891	rVB3	171963	399599	23.44%	1.406%
64	13.298	1901	1905	1910	rVB2	189704	240545	14.11%	0.846%
65	13.392	1918	1921	1924	rBV	130461	150525	8.83%	0.530%
66	13.421	1924	1926	1930	rVB	115275	121377	7.12%	0.427%
67	13.704	1971	1974	1979	rVB	156964	213982	12.55%	0.753%
68	13.816	1989	1993	1996	rBV2	138840	233351	13.69%	0.821%
69	13.916	2008	2010	2015	rVB	107779	133268	7.82%	0.469%
70	14.068	2031	2036	2040	rBV2	853362	1590391	93.31%	5.596%
71	14.104	2040	2042	2048	rVB	587733	706449	41.45%	2.486%
72	14.474	2101	2105	2108	rVV	179709	240325	14.10%	0.846%
73	14.510	2109	2111	2115	rVB	98936	106704	6.26%	0.375%
74	14.604	2125	2127	2135	rVB3	117045	220059	12.91%	0.774%
75	15.157	2215	2221	2231	rBV	602434	1463715	85.88%	5.150%
76	15.263	2236	2239	2244	rVB	120378	161123	9.45%	0.567%

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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

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Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	15.468	2269	2274	2279	rVB	339818	546830	32.08%	1.924%
78	15.533	2280	2285	2290	rVB	454672	709488	41.63%	2.496%
79	15.598	2291	2296	2299	rBV	264362	442448	25.96%	1.557%
80	17.121	2549	2555	2564	rVB2	172020	406620	23.86%	1.431%
81	17.580	2627	2633	2646	rVB	131202	323546	18.98%	1.138%

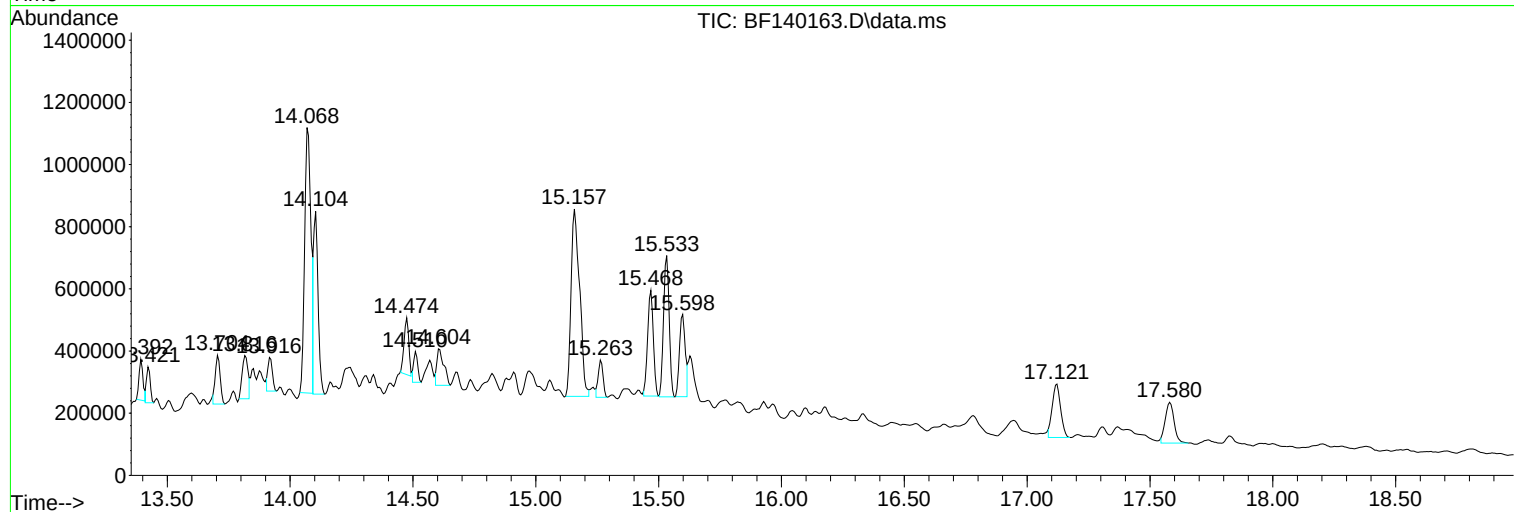
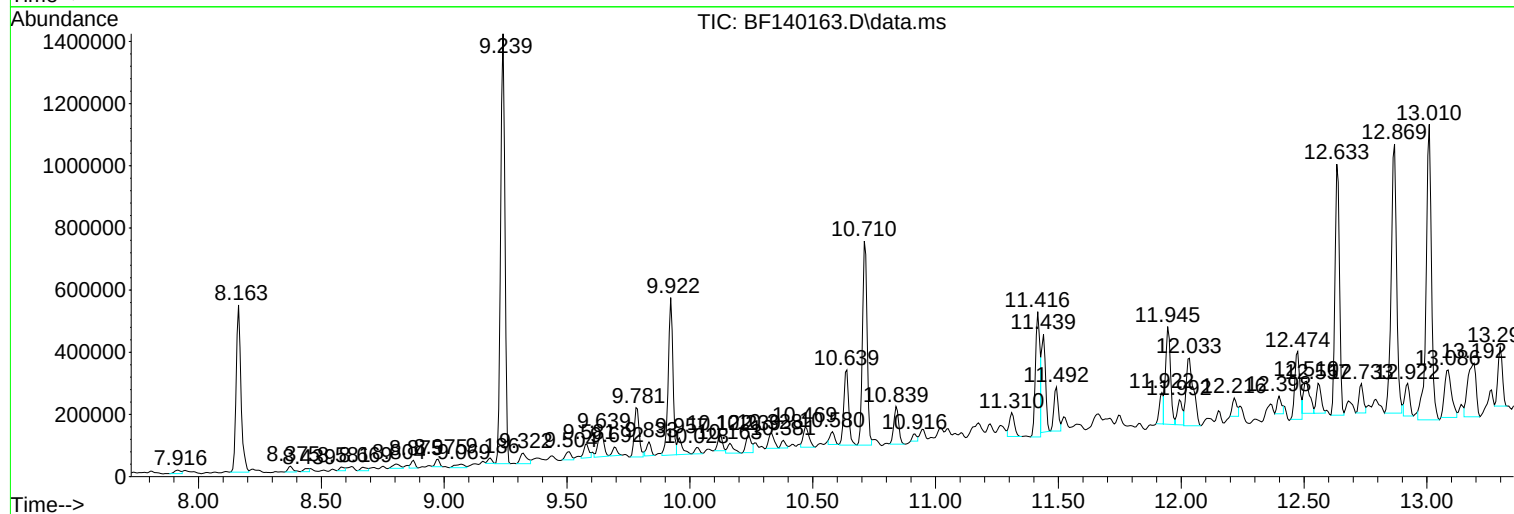
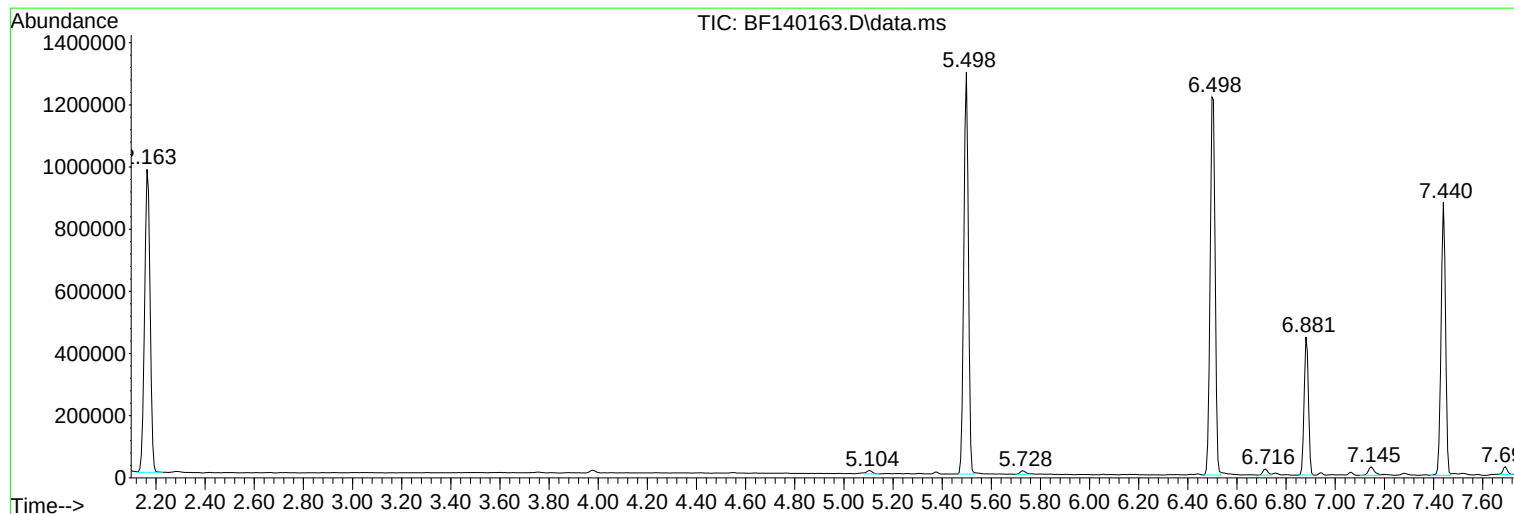
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Instrument :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103024\
Data File : BF140163.D
Acq On : 30 Oct 2024 17:46
Operator : RC/JU
Sample : P4617-01
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ALS Vial : 13 Sample Multiplier: 1

Instrument :
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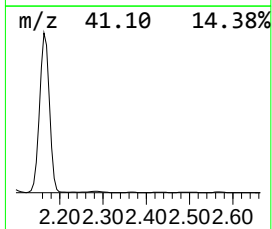
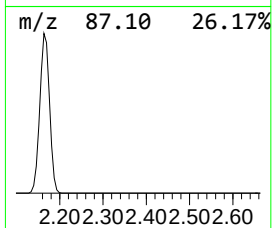
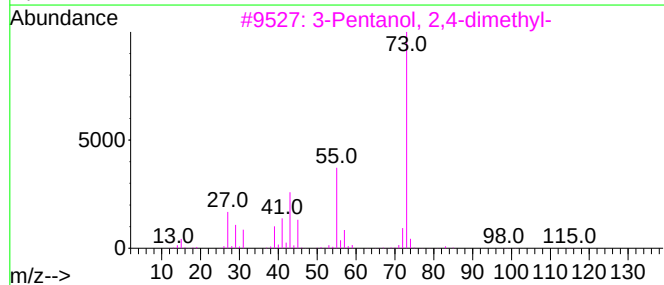
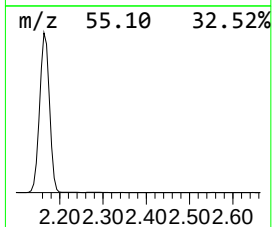
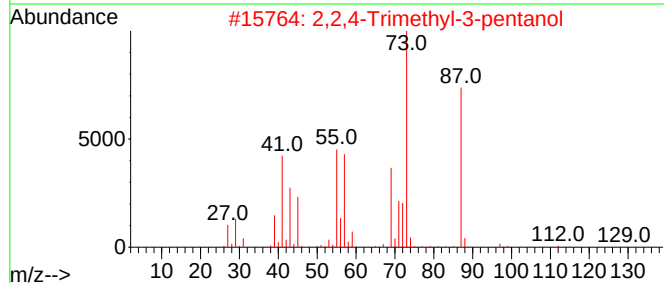
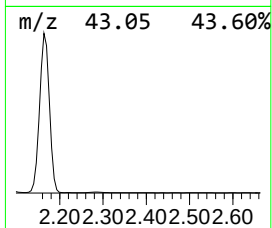
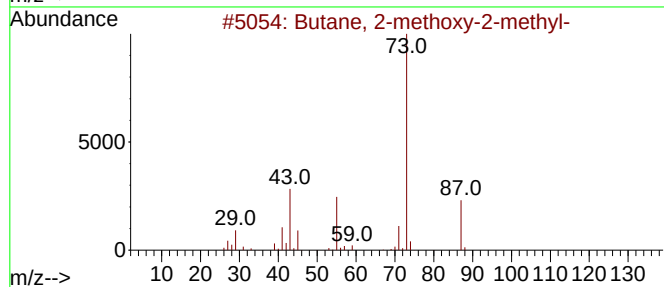
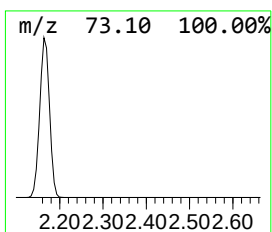
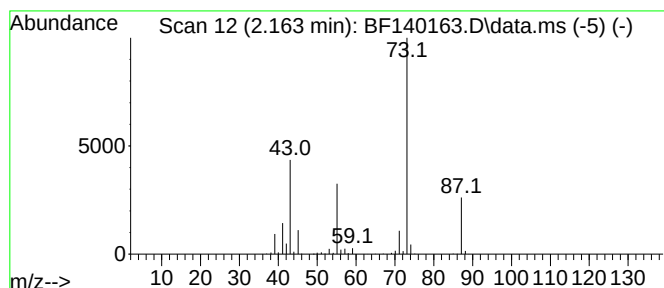
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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.
2.163	56.18 ng	1523590	1,4-Dichlorobenzene-d4	6.881

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2			2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3			3-Pentanol, 2,4-dimethyl-	116	C7H16O	000600-36-2	37
4			1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	25
5			Pentane, 3-methoxy-	102	C6H14O	036839-67-5	12



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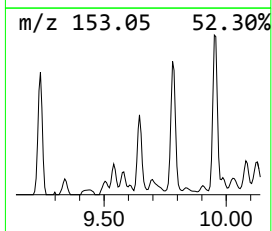
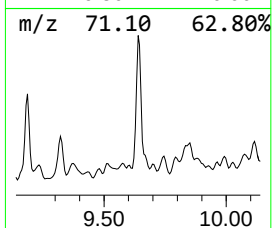
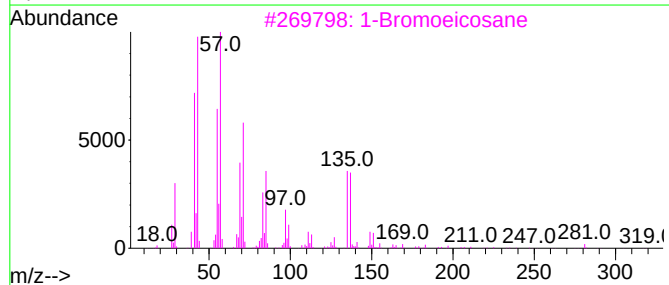
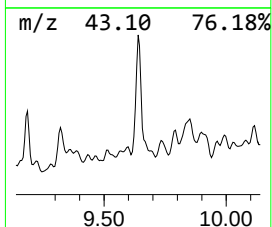
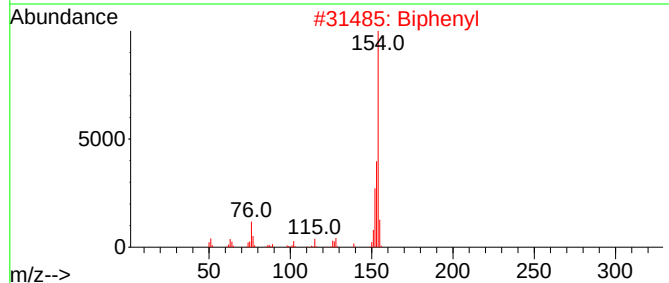
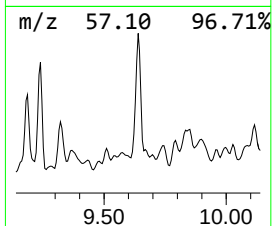
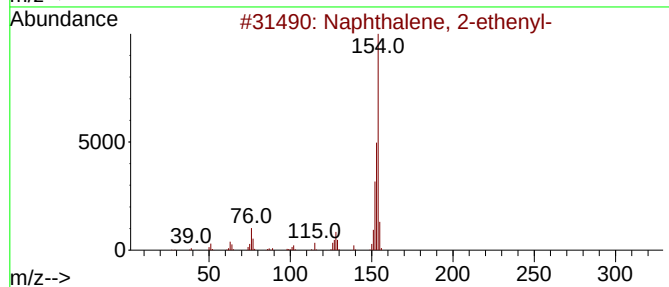
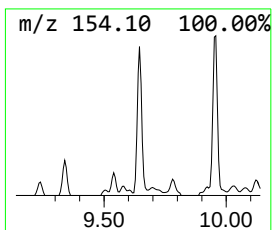
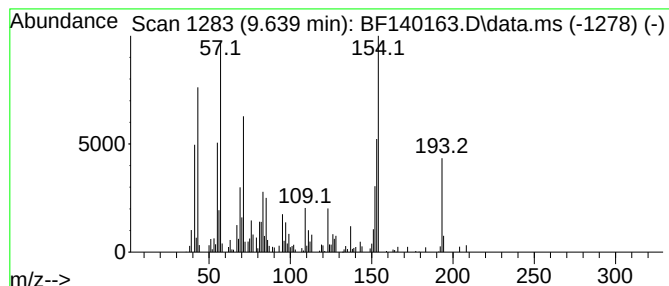
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 unknown9.639 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.639	3.91 ng	130837	Acenaphthene-d10	9.922

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2-ethenyl-	154	C12H10	000827-54-3	46
2			Biphenyl	154	C12H10	000092-52-4	46
3			1-Bromoeicosane	360	C20H41Br	004276-49-7	11
4			Octadecane, 1-bromo-	332	C18H37Br	000112-89-0	11
5			(4H)1,3,2-Dioxaborin, 4-ethenyl-...	208	C12H21BO2	1000062-14-4	11



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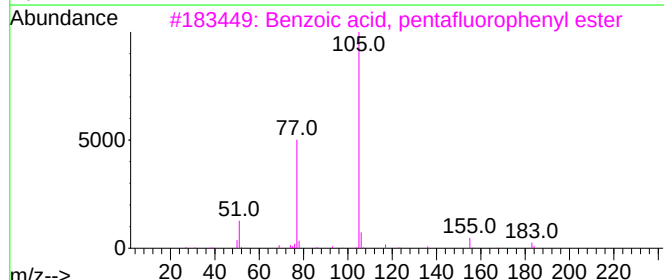
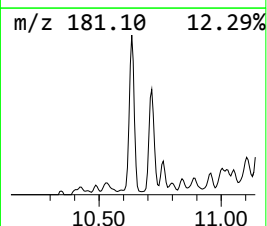
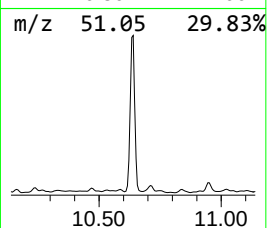
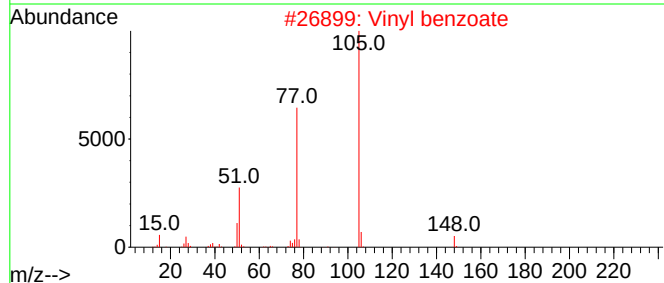
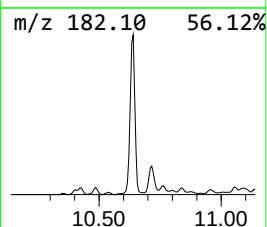
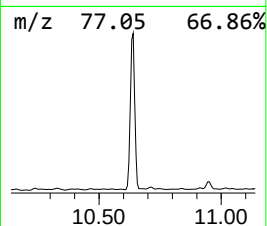
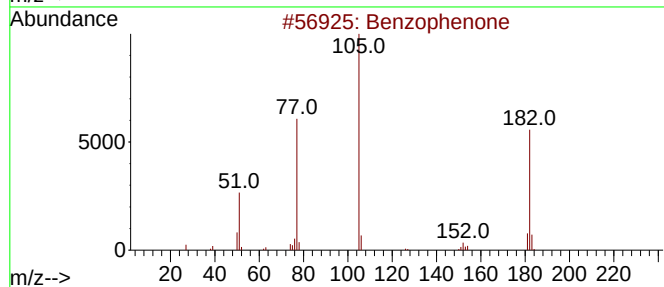
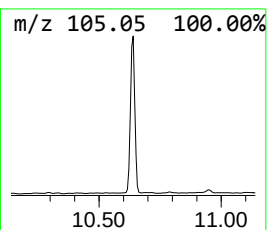
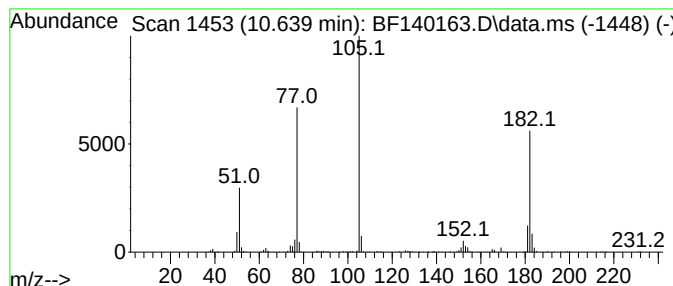
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 Benzophenone Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.639	10.03 ng	335775	Acenaphthene-d10	9.922

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	96
2			Vinyl benzoate	148	C9H8O2	000769-78-8	47
3			Benzoic acid, pentafluorophenyl ...	288	C13H5F5O2	1000360-67-9	47
4			Benzenebutanoic acid, .gamma.-oxo-	178	C10H10O3	002051-95-8	47
5			Pentafluoroethyl phenyl ketone	224	C9H5F5O	000394-52-5	47



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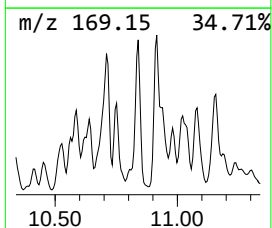
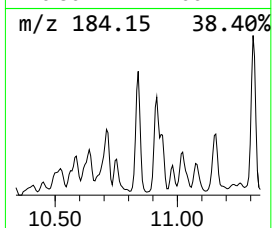
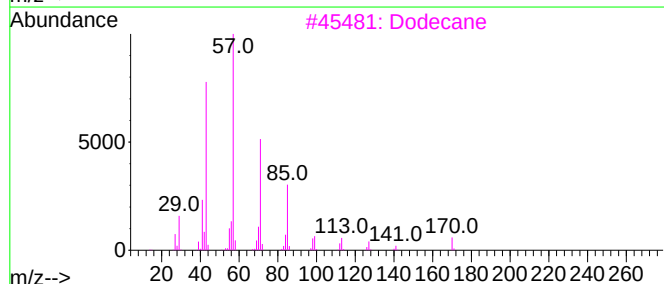
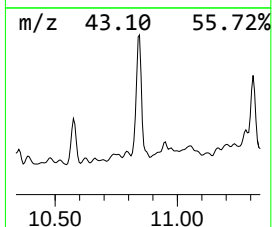
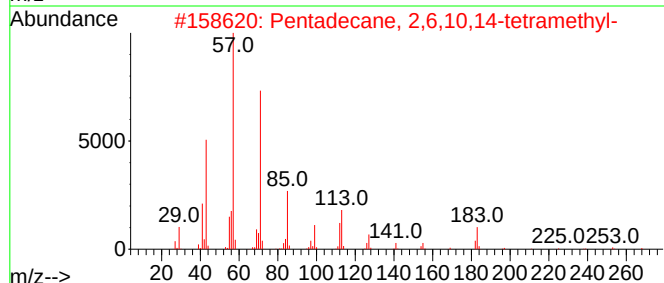
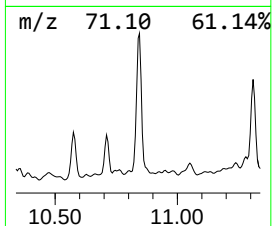
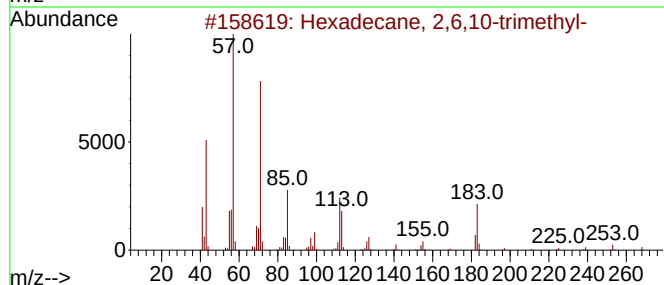
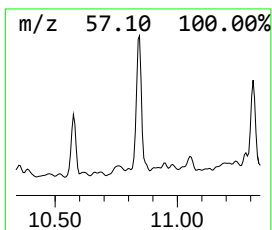
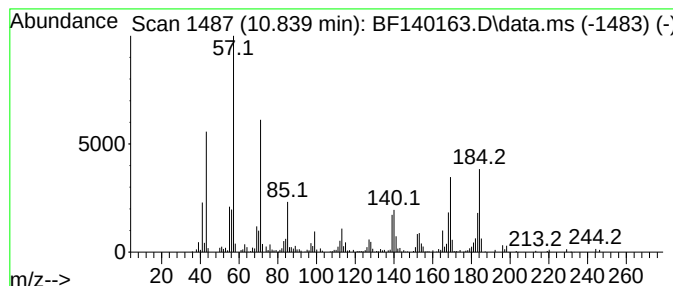
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 unknown10.839 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.839	6.13 ng	165171	Phenanthrene-d10	11.416

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexadecane, 2,6,10-trimethyl-	268	C19H40	055000-52-7	38
2			Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	30
3			Dodecane	170	C12H26	000112-40-3	25
4			Nonane, 3-methyl-	142	C10H22	005911-04-6	25
5			Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	18



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103024\
Data File : BF140163.D
Acq On : 30 Oct 2024 17:46
Operator : RC/JU
Sample : P4617-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RO-SOIL

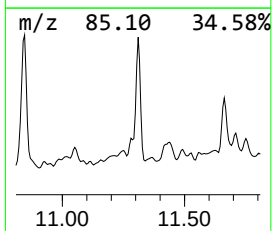
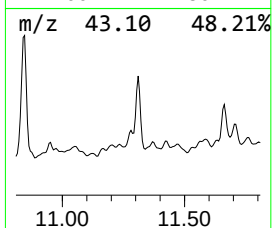
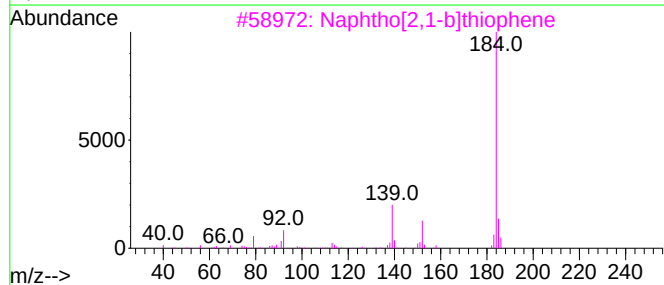
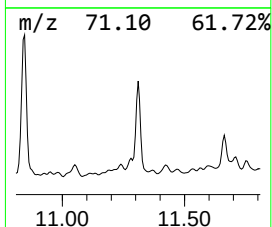
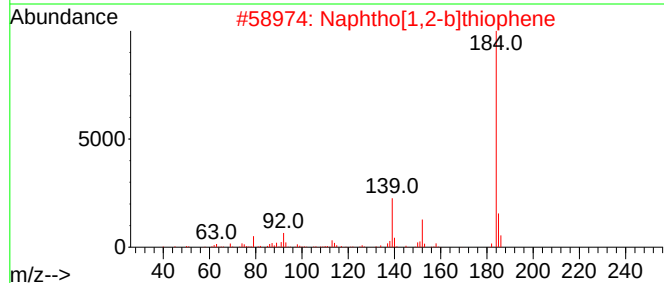
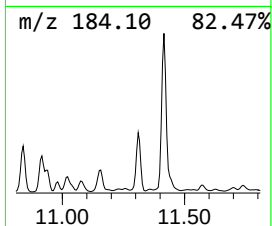
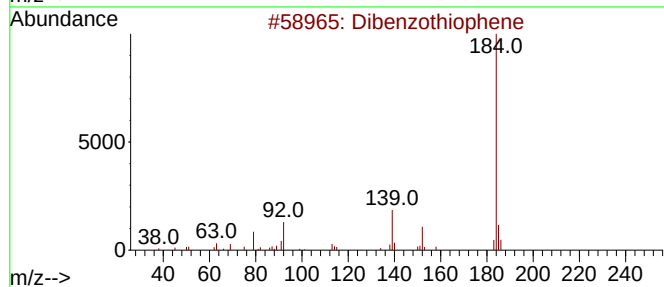
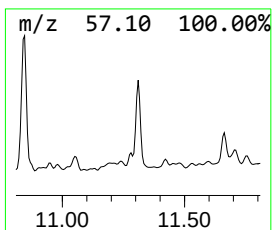
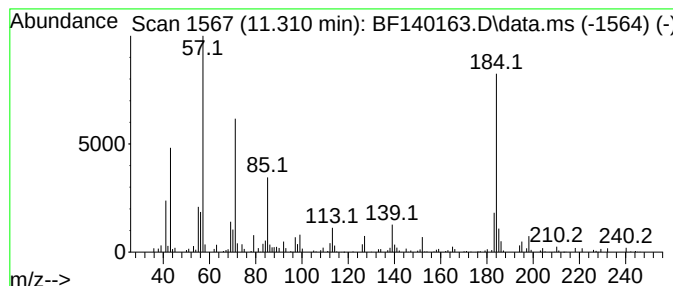
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 unknown11.310 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.310	3.99 ng	107573	Phenanthrene-d10	11.416

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dibenzothiophene	184	C12H8S	000132-65-0	45
2			Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	45
3			Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	45
4			5-(Hydroxymethyl)-4,6-dimethyl-2...	184	C8H12N2OS	1000326-73-9	43
5			3-Ethyl-2,6,10-trimethylundecane	226	C16H34	1000432-25-9	38



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103024\
Data File : BF140163.D
Acq On : 30 Oct 2024 17:46
Operator : RC/JU
Sample : P4617-01
Misc :
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Instrument :
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ClientSampleId :
RO-SOIL

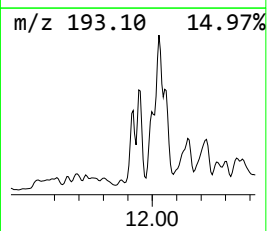
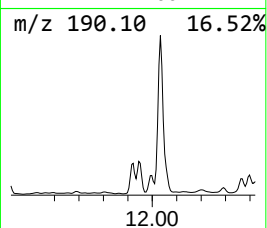
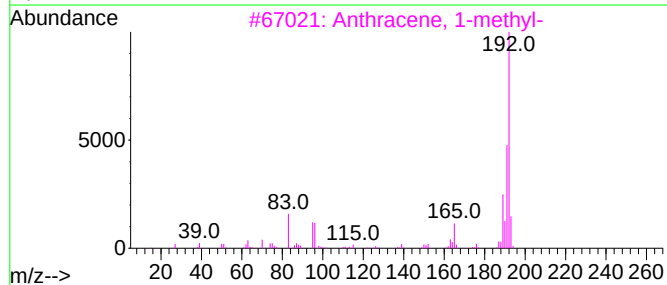
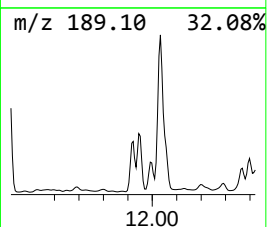
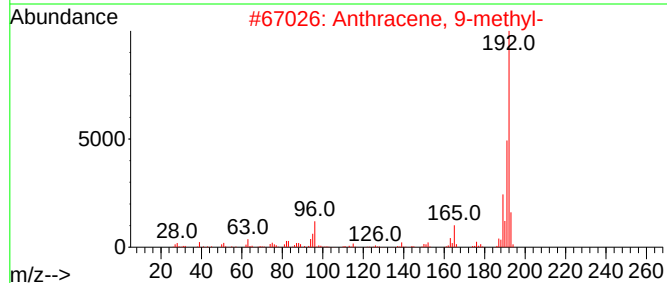
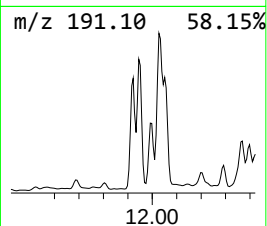
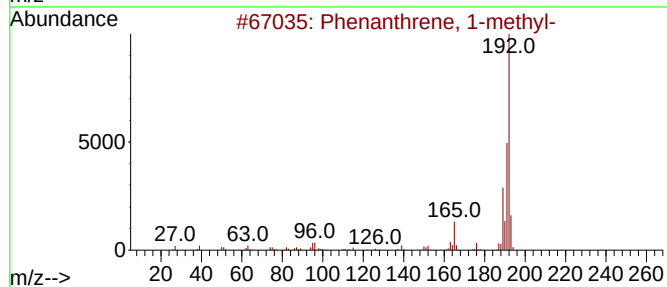
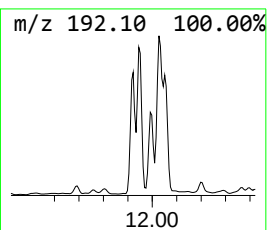
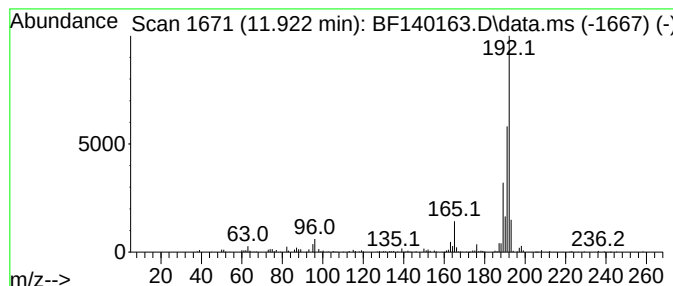
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Phenanthrene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.922	4.45 ng	119782	Phenanthrene-d10	11.416

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
2			Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
3			Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
4			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
5			1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	89



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103024\
Data File : BF140163.D
Acq On : 30 Oct 2024 17:46
Operator : RC/JU
Sample : P4617-01
Misc :
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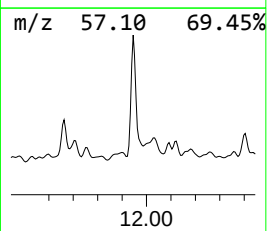
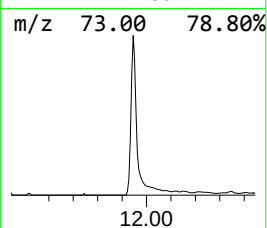
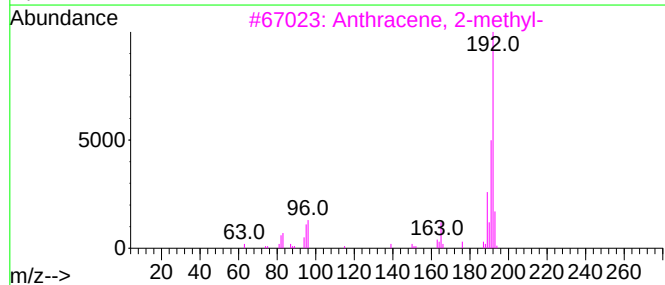
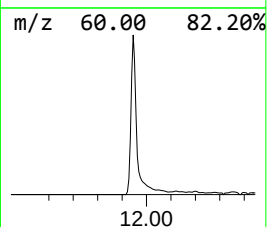
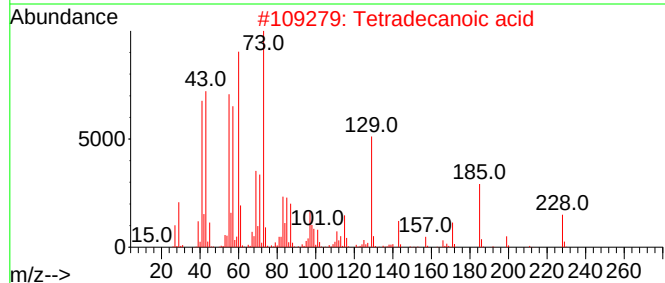
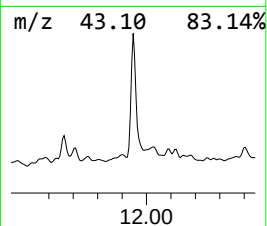
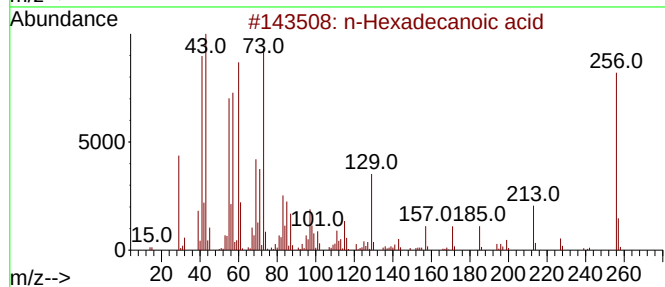
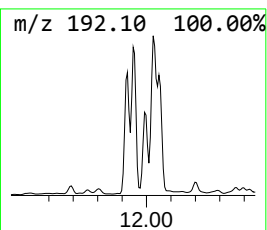
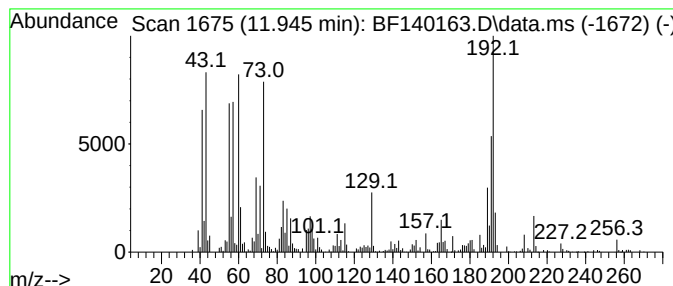
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 n-Hexadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD		R.T.	
11.945	15.68 ng	422526	Phenanthrene-d10		11.416	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid		256	C16H32O2	000057-10-3	96
2	Tetradecanoic acid		228	C14H28O2	000544-63-8	95
3	Anthracene, 2-methyl-		192	C15H12	000613-12-7	90
4	Phenanthrene, 4-methyl-		192	C15H12	000832-64-4	78
5	Phenanthrene, 1-methyl-		192	C15H12	000832-69-9	74



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103024\
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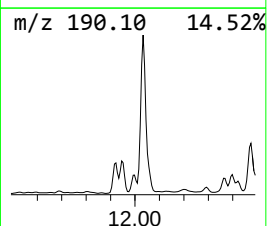
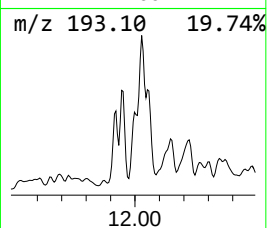
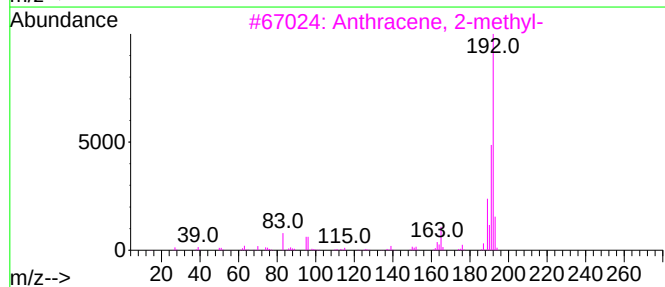
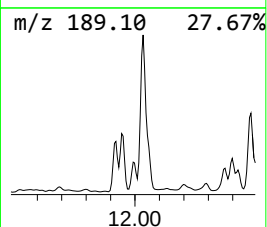
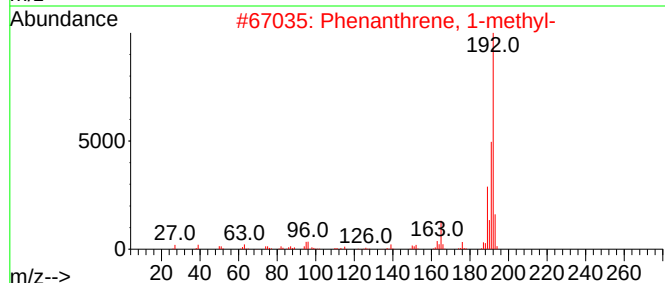
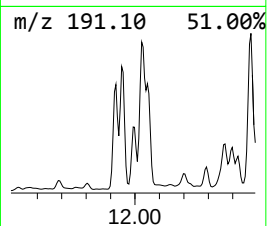
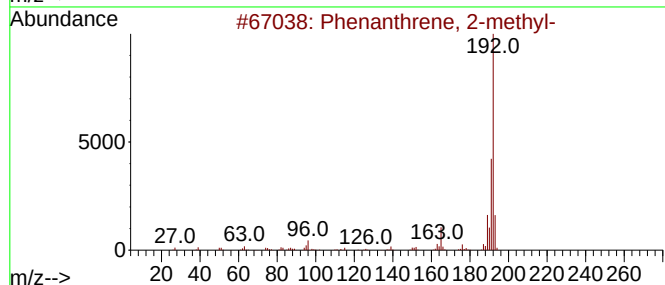
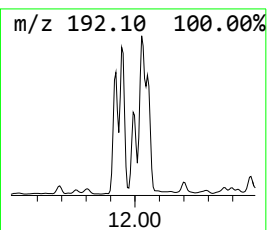
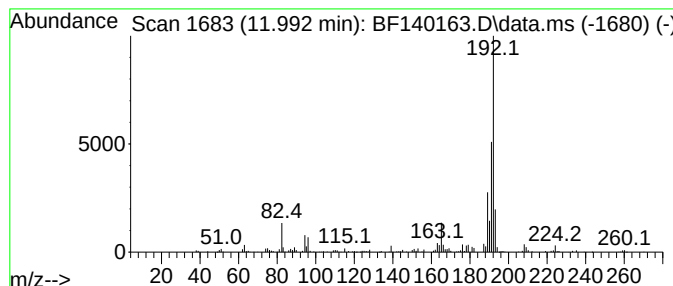
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Phenanthrene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD		R.T.	
11.992	4.37 ng	117810	Phenanthrene-d10		11.416	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-		192	C15H12	002531-84-2	96
2	Phenanthrene, 1-methyl-		192	C15H12	000832-69-9	96
3	Anthracene, 2-methyl-		192	C15H12	000613-12-7	94
4	1H-Indene, 2-phenyl-		192	C15H12	004505-48-0	94
5	Phenanthrene, 4-methyl-		192	C15H12	000832-64-4	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103024\
Data File : BF140163.D
Acq On : 30 Oct 2024 17:46
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Sample : P4617-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

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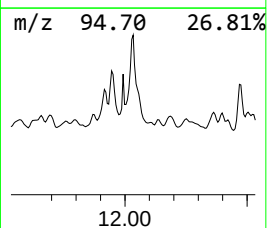
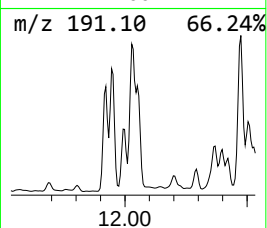
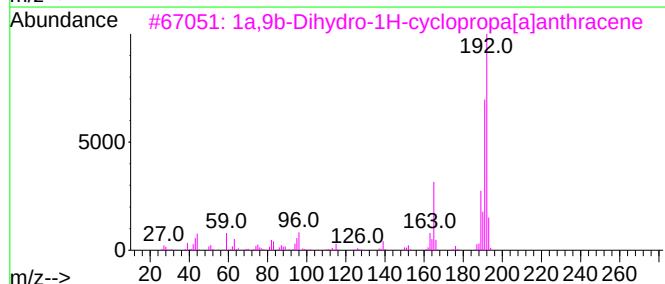
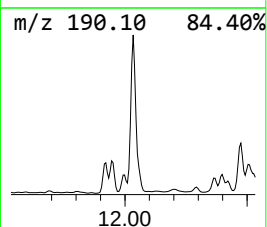
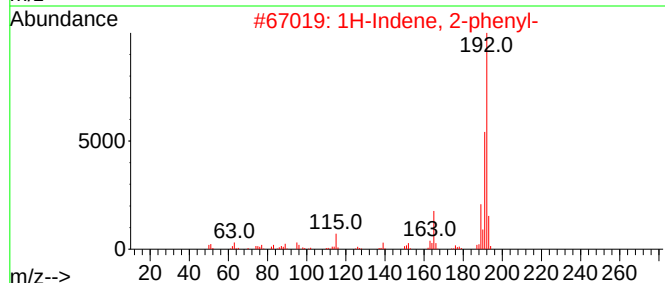
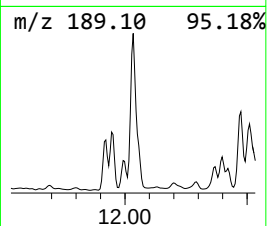
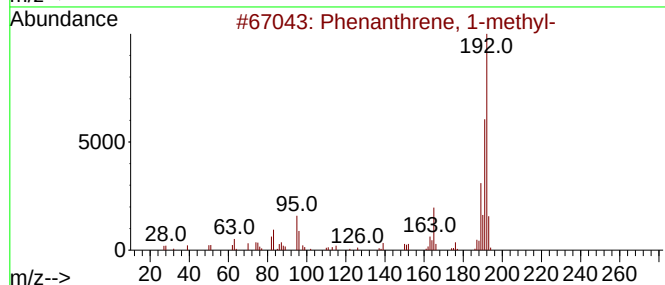
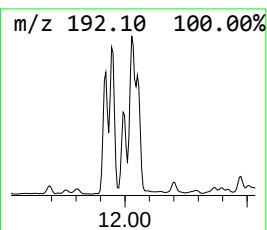
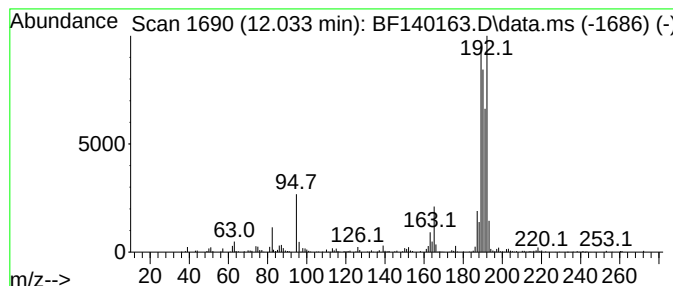
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 unknown12.033 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.033	16.51 ng	444758	Phenanthrene-d10	11.416

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	46
2			1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	46
3			1a,9b-Dihydro-1H-cyclopropa[a]an...	192	C15H12	006109-24-6	46
4			Naphtho[1,2-b]norbornadiene	192	C15H12	1000210-14-8	46
5			Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	43



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103024\
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ALS Vial : 13 Sample Multiplier: 1

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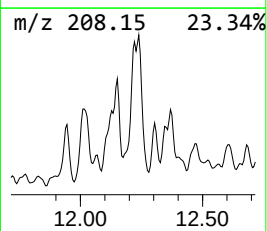
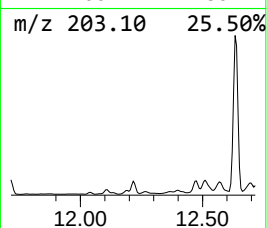
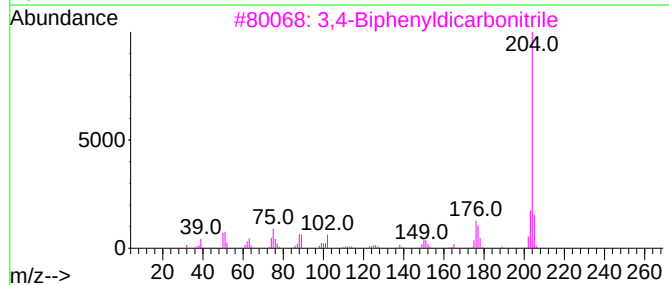
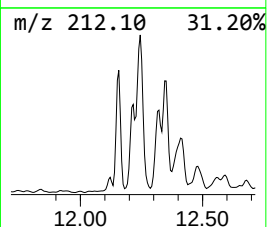
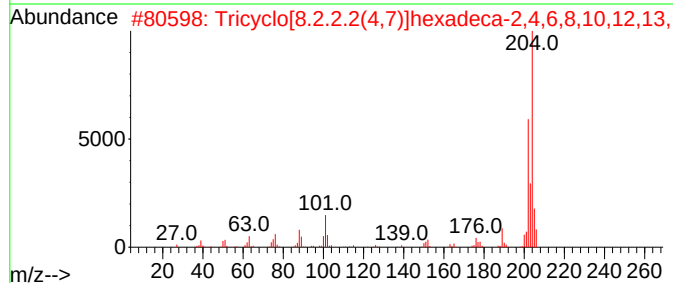
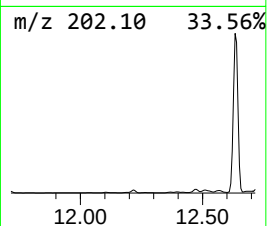
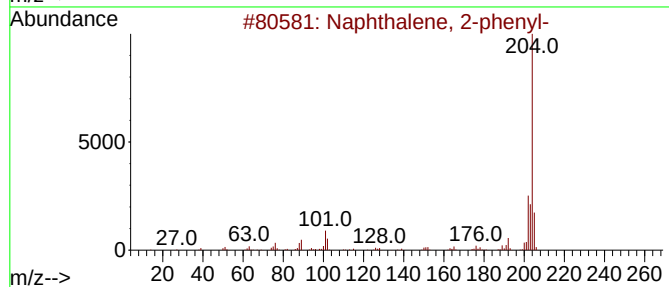
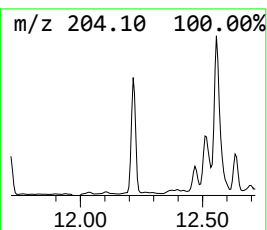
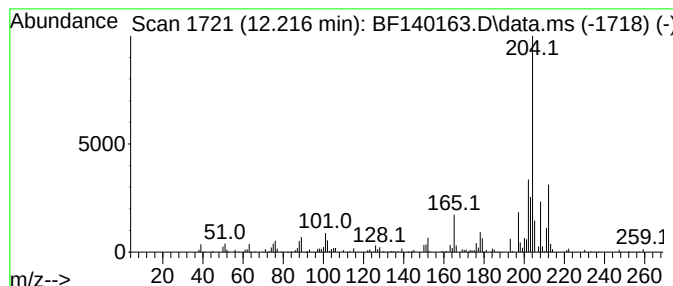
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Naphthalene, 2-phenyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.216	3.00 ng	80791	Phenanthrene-d10	11.416

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	55
2			Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	55
3			3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	43
4			[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	43
5			Tetracyano-p-quinodimethane	204	C12H4N4	001518-16-7	38



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103024\
Data File : BF140163.D
Acq On : 30 Oct 2024 17:46
Operator : RC/JU
Sample : P4617-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

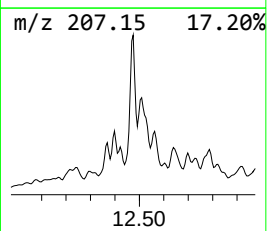
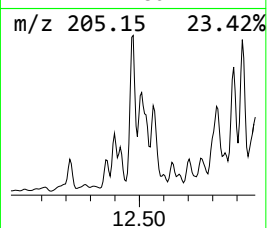
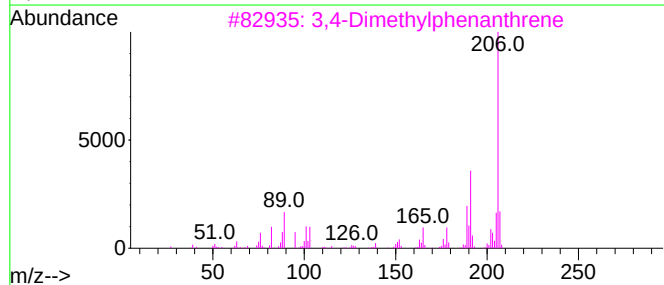
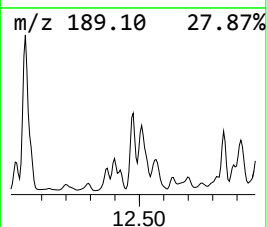
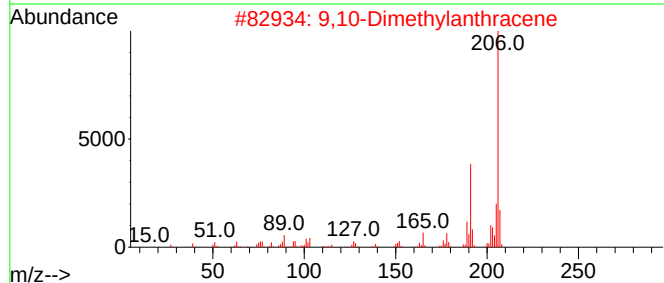
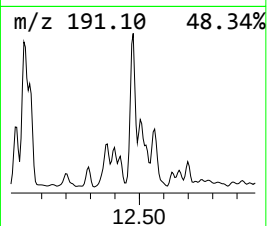
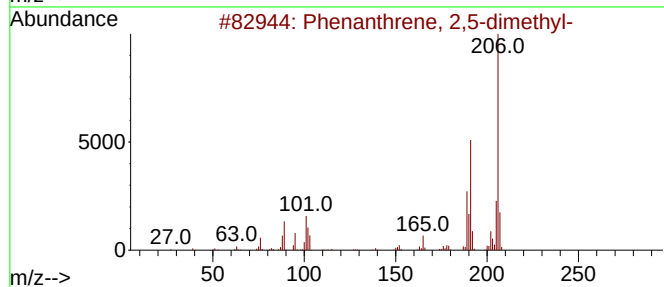
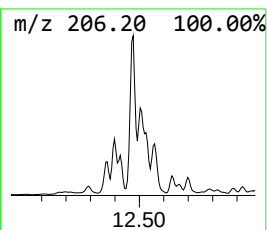
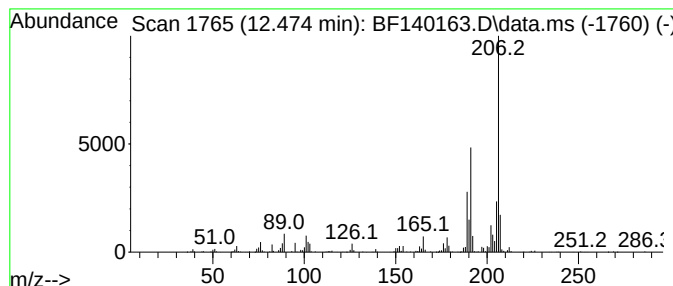
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Phenanthrene, 2,5-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD		R.T.	
12.475	11.82 ng	318539	Phenanthrene-d10		11.416	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-		206	C16H14	003674-66-6	97
2	9,10-Dimethylanthracene		206	C16H14	000781-43-1	96
3	3,4-Dimethylphenanthrene		206	C16H14	1000452-24-5	90
4	Phenanthrene, 3,6-dimethyl-		206	C16H14	001576-67-6	87
5	Phenanthrene, 2,3-dimethyl-		206	C16H14	003674-65-5	87



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103024\
Data File : BF140163.D
Acq On : 30 Oct 2024 17:46
Operator : RC/JU
Sample : P4617-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

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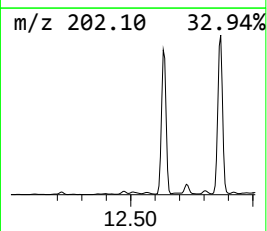
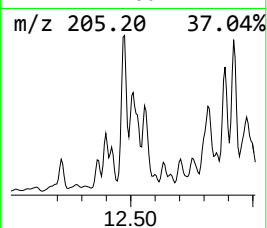
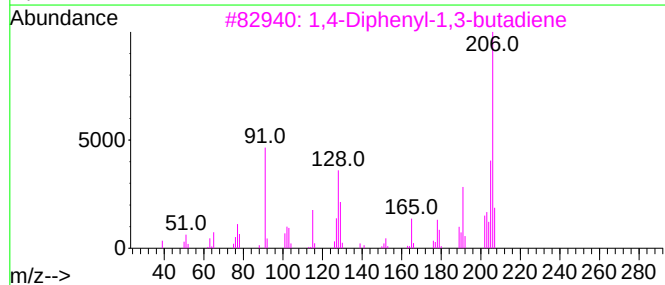
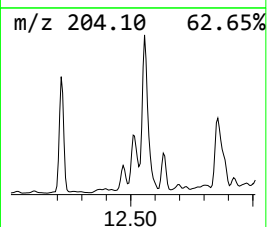
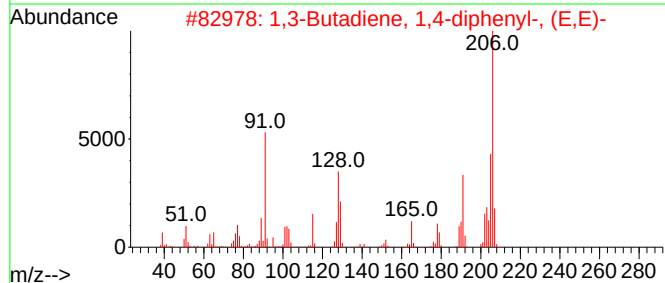
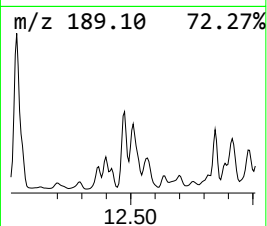
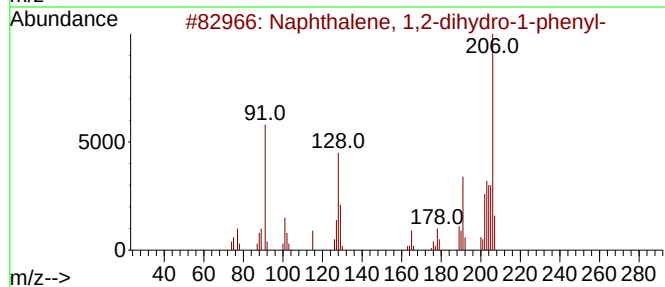
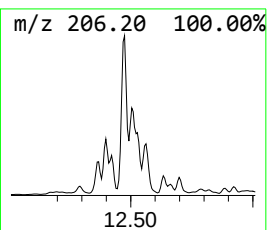
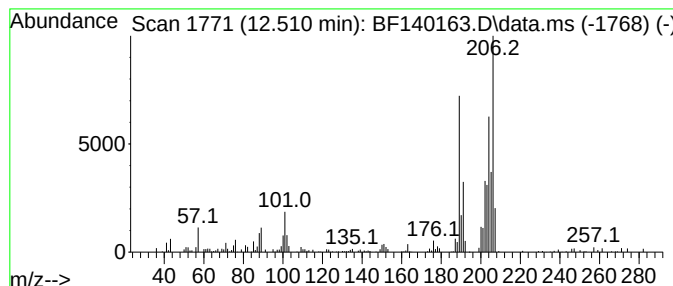
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Naphthalene, 1,2-dihydro-1-... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.510	6.60 ng	177799	Phenanthrene-d10	11.416

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Naphthalene, 1,2-dihydro-1-phenyl-	206	C16H14	016606-46-5	50
2		1,3-Butadiene, 1,4-diphenyl-, (E...	206	C16H14	000538-81-8	49
3		1,4-Diphenyl-1,3-butadiene	206	C16H14	000886-65-7	46
4		Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	46
5		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	46



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103024\
Data File : BF140163.D
Acq On : 30 Oct 2024 17:46
Operator : RC/JU
Sample : P4617-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

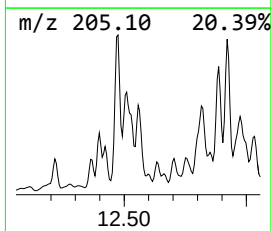
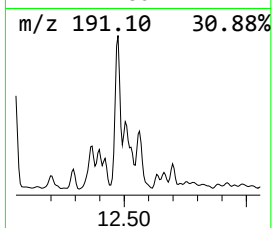
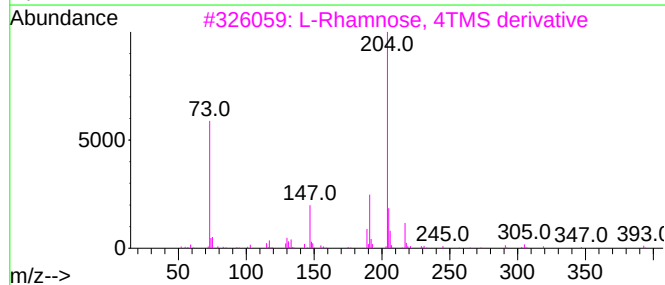
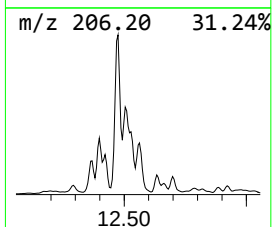
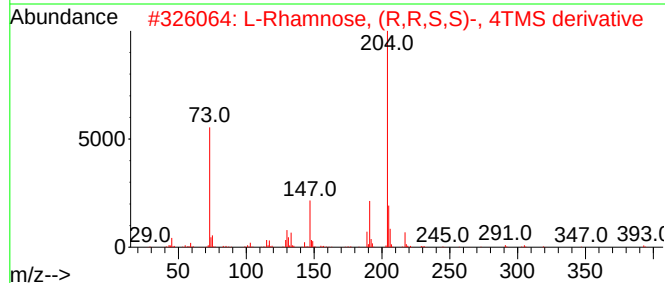
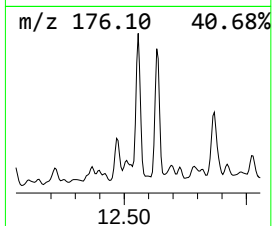
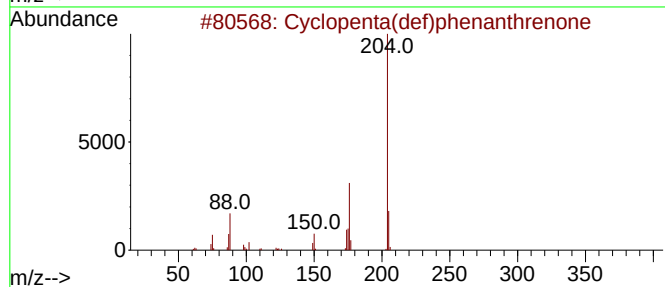
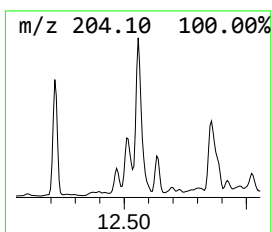
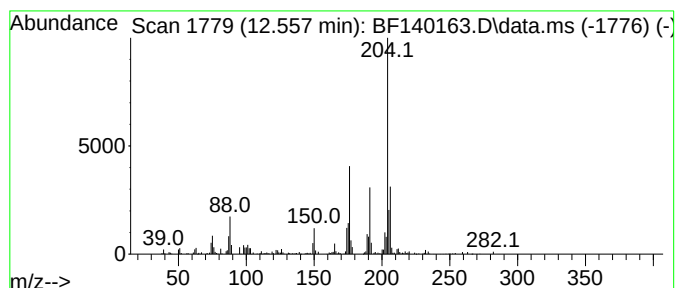
Instrument :
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ClientSampleId :
RO-SOIL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Cyclopenta(def)phenanthrenone Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.557	4.87 ng	131120	Phenanthrene-d10	11.416	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	92
2	L-Rhamnose, (R,R,S,S)-, 4TMS der...	452	C18H44O5Si4	108392-01-4	47
3	L-Rhamnose, 4TMS derivative	452	C18H44O5Si4	019127-15-2	47
4	.beta.-D-Glucopyranose, 6-O-meth...	482	C19H46O6Si4	055515-35-0	43
5	Pyrimidine, 4-chloro-6-(4-methyl...	204	C11H9ClN2	1000380-55-8	43



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103024\
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Acq On : 30 Oct 2024 17:46
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Sample : P4617-01
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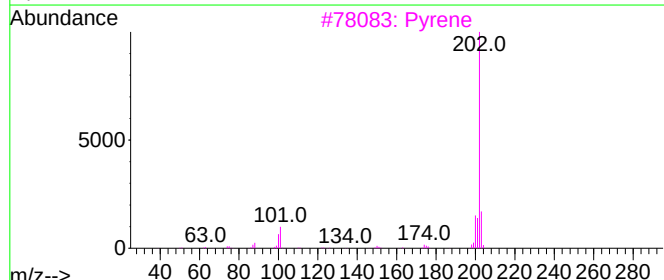
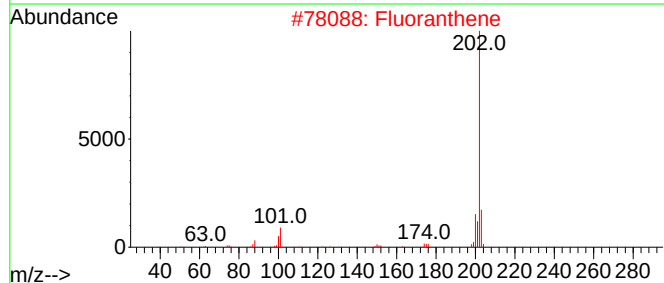
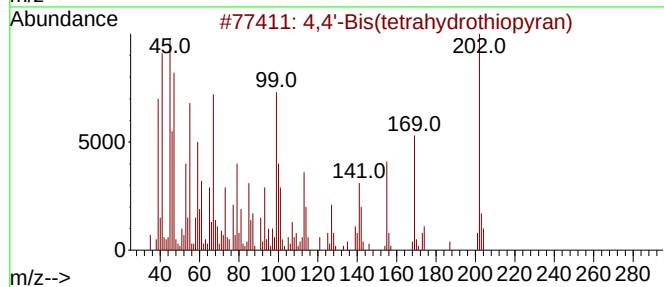
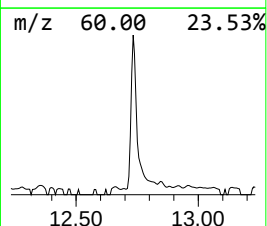
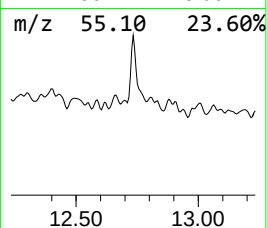
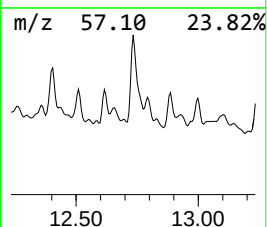
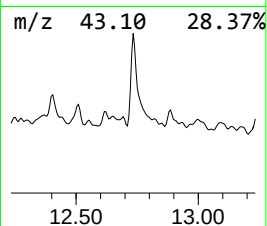
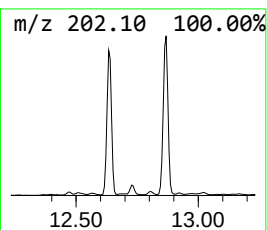
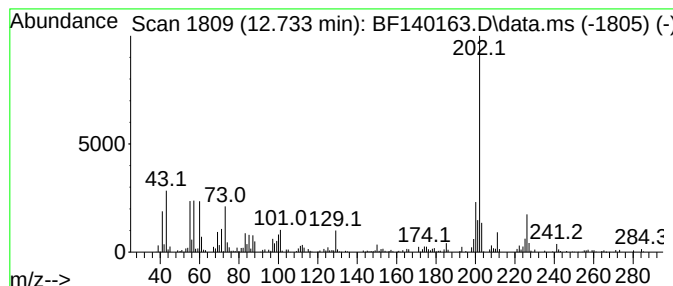
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 4,4'-Bis(tetrahydrothiopyran) Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.733	4.37 ng	117725	Phenanthrene-d10	11.416	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4,4'-Bis(tetrahydrothiopyran)	202	C10H18S2	116196-83-9	86
2	Fluoranthene	202	C16H10	000206-44-0	53
3	Pyrene	202	C16H10	000129-00-0	49
4	Benzene, 1,1'-(1,3-butadiyne-1,4...	202	C16H10	000886-66-8	49
5	7H-Furo[3,2-g][1]benzopyran-7-on...	202	C11H6O4	002009-24-7	47



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103024\
Data File : BF140163.D
Acq On : 30 Oct 2024 17:46
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Sample : P4617-01
Misc :
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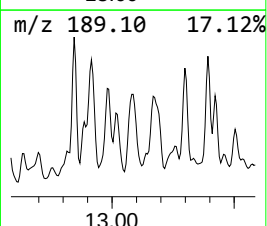
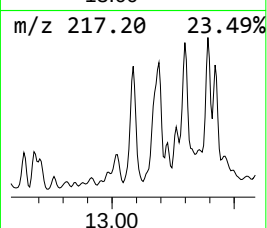
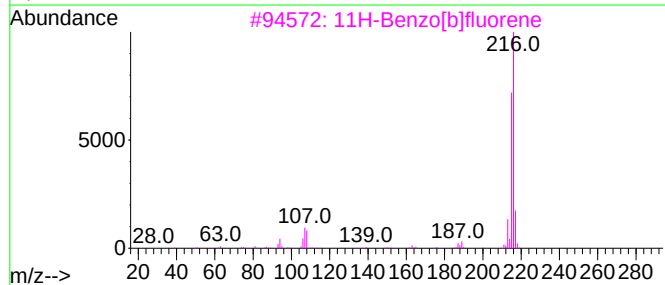
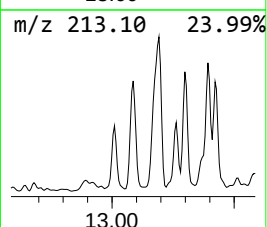
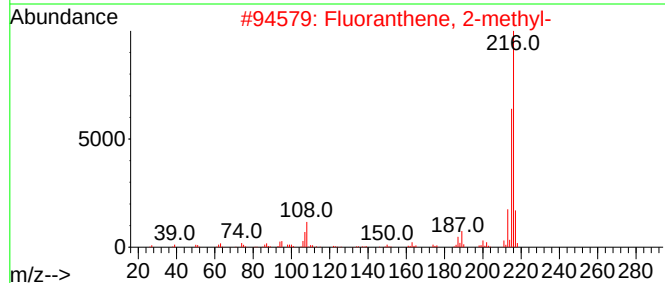
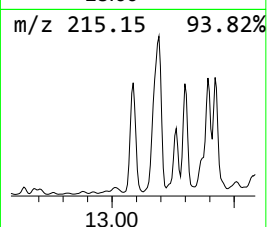
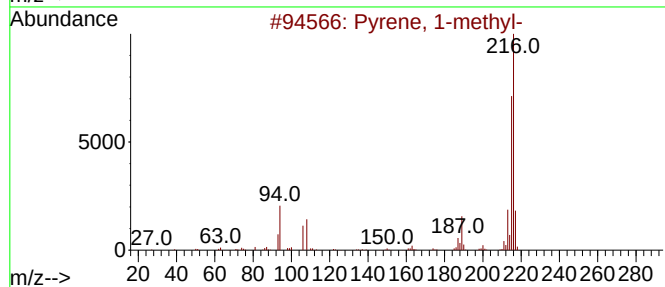
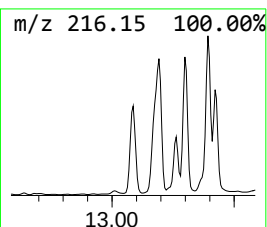
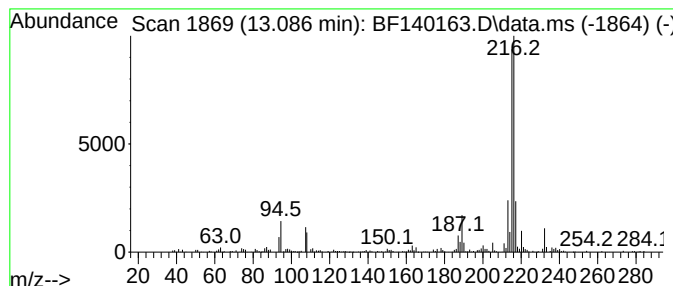
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Pyrene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.086	3.84 ng	305354	Chrysene-d12	14.080

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
2			Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	89
3			11H-Benzo[b]fluorene	216	C17H12	000243-17-4	83
4			11H-Benzo[a]fluorene	216	C17H12	000238-84-6	76
5			Pyrene, 2-methyl-	216	C17H12	003442-78-2	64



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103024\
Data File : BF140163.D
Acq On : 30 Oct 2024 17:46
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Sample : P4617-01
Misc :
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ClientSampleId :
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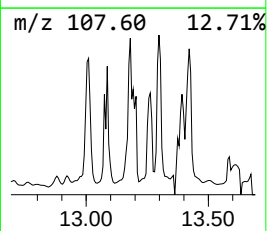
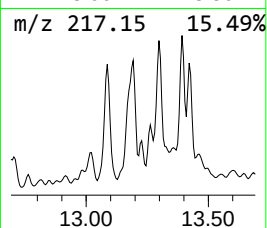
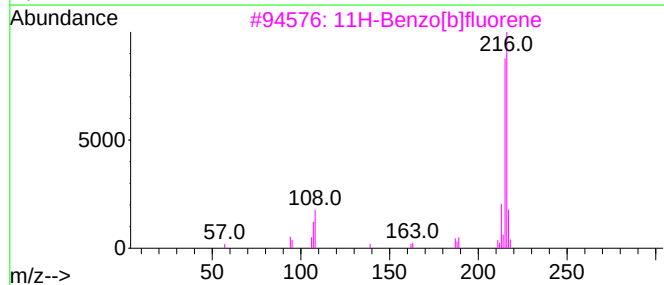
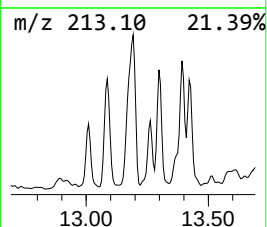
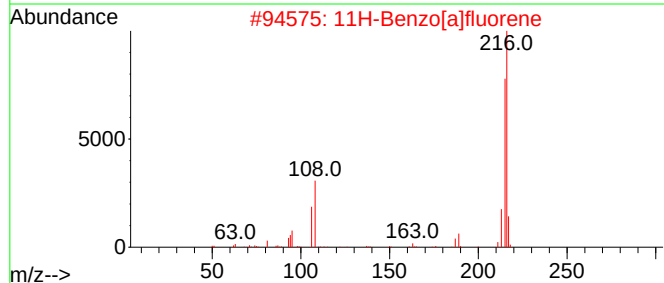
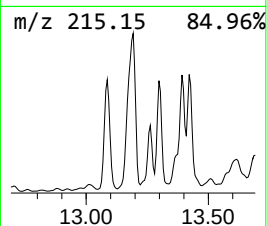
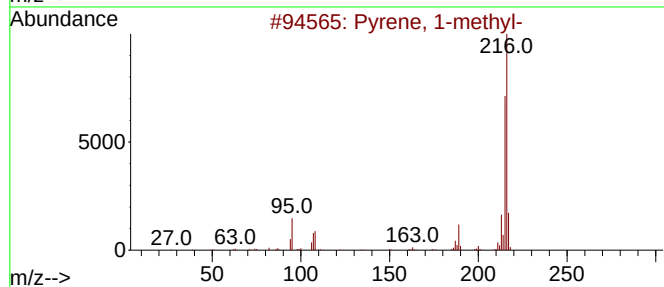
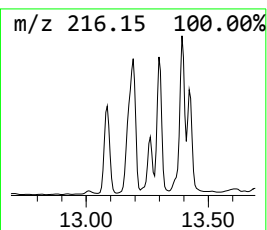
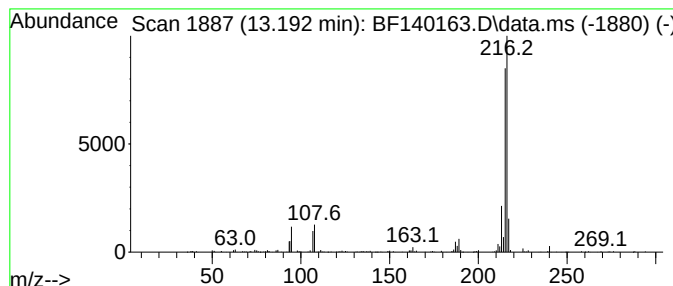
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 11H-Benzo[a]fluorene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.192	5.03 ng	399599	Chrysene-d12	14.080

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
2			11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
3			11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
4			Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81
5			Pyrene, 2-methyl-	216	C17H12	003442-78-2	76



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103024\
Data File : BF140163.D
Acq On : 30 Oct 2024 17:46
Operator : RC/JU
Sample : P4617-01
Misc :
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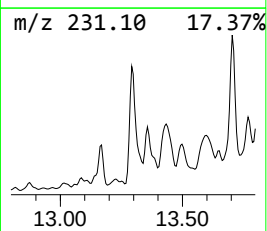
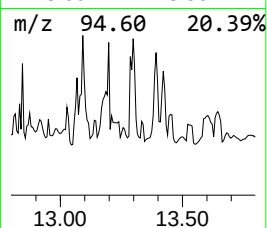
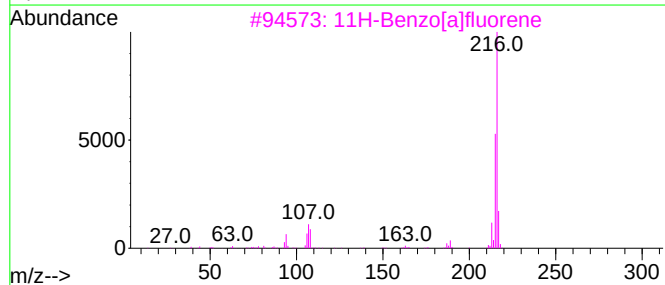
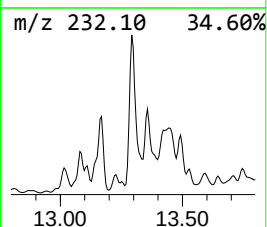
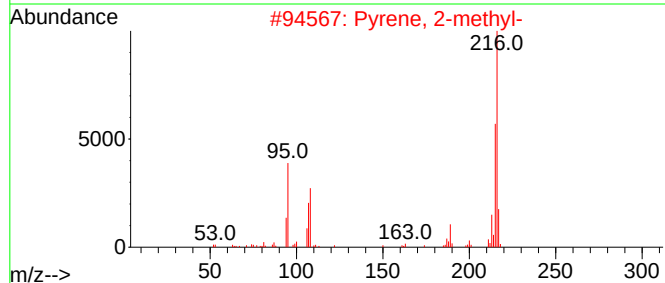
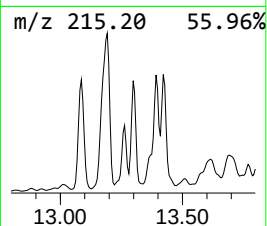
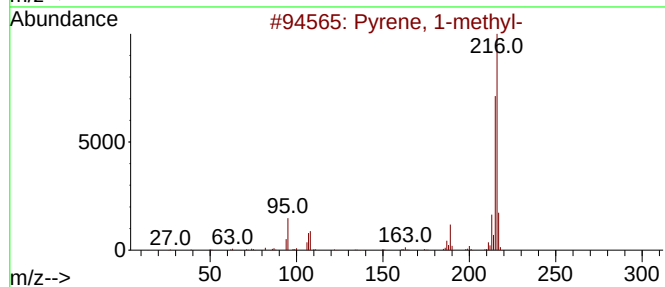
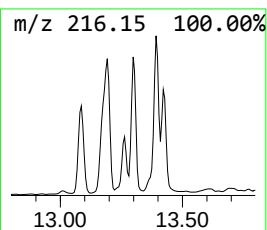
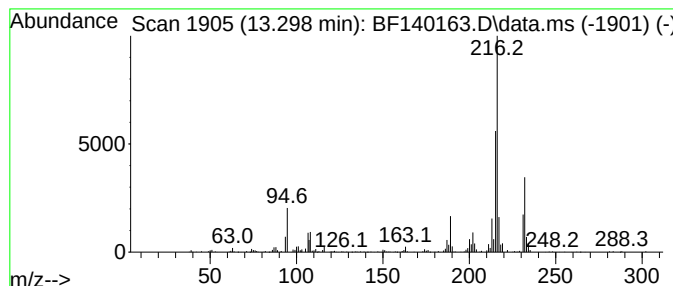
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Pyrene, 2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.298	3.02 ng	240545	Chrysene-d12	14.080

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2			Pyrene, 2-methyl-	216	C17H12	003442-78-2	89
3			11H-Benzo[a]fluorene	216	C17H12	000238-84-6	70
4			11H-Benzo[b]fluorene	216	C17H12	000243-17-4	70
5			Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	64



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Acq On : 30 Oct 2024 17:46
Operator : RC/JU
Sample : P4617-01
Misc :
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Instrument :
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ClientSampleId :
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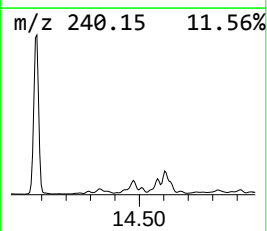
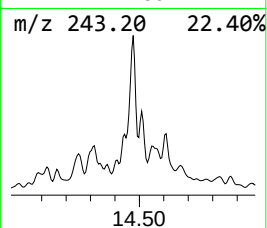
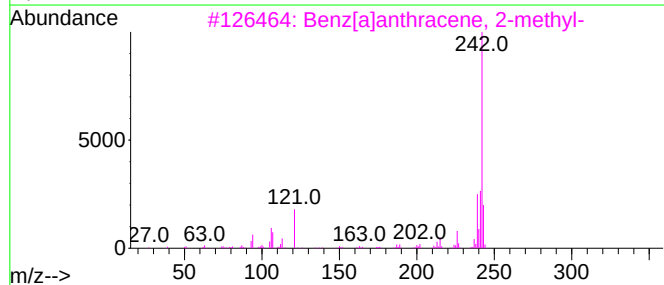
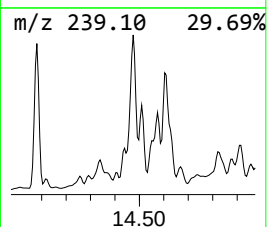
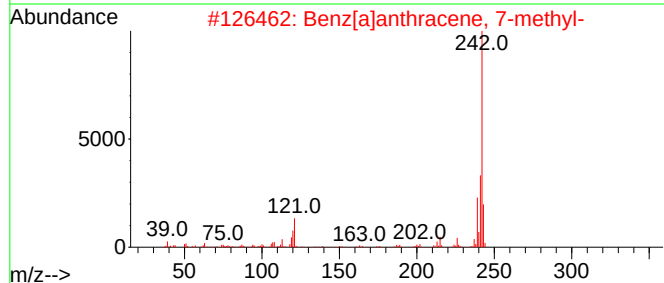
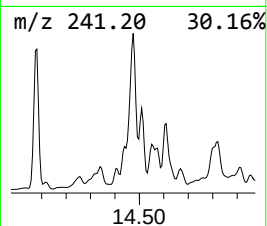
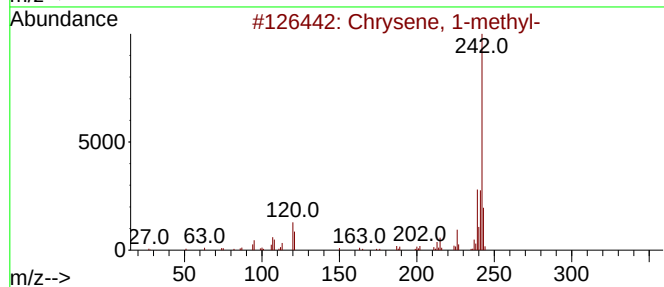
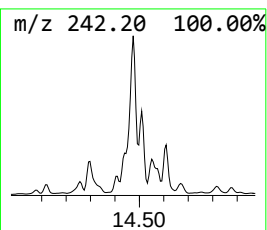
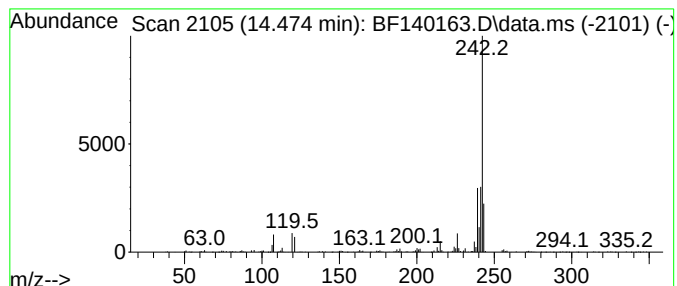
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST0.L
TIC Integration Parameters: LSCINT.P

Peak Number 18 Chrysene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.474	3.02 ng	240325	Chrysene-d12	14.080

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Chrysene, 1-methyl-	242	C19H14	003351-28-8	91
2			Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	91
3			Benz[a]anthracene, 2-methyl-	242	C19H14	002498-76-2	91
4			Triphenylene, 2-methyl-	242	C19H14	001705-84-6	90
5			Benz[a]anthracene, 1-methyl-	242	C19H14	002498-77-3	90



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103024\
Data File : BF140163.D
Acq On : 30 Oct 2024 17:46
Operator : RC/JU
Sample : P4617-01
Misc :
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Instrument :
BNA_F
ClientSampleId :
RO-SOIL

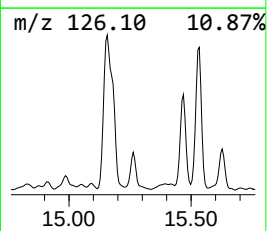
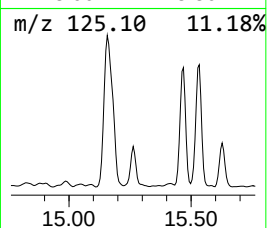
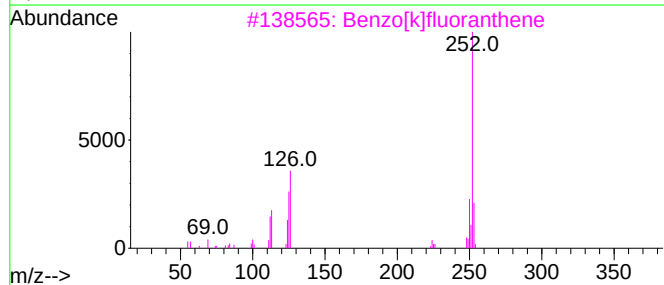
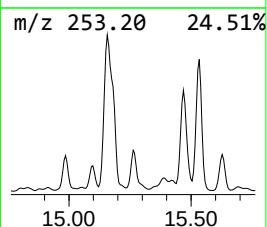
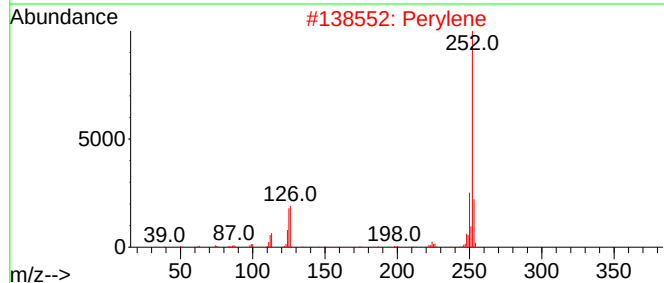
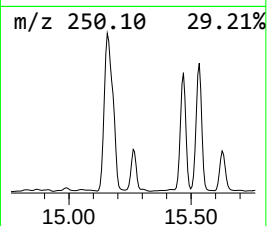
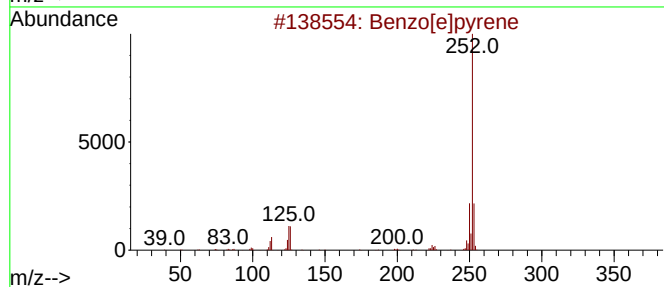
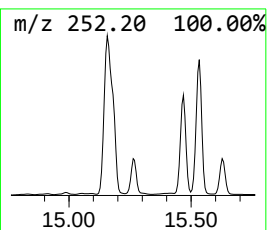
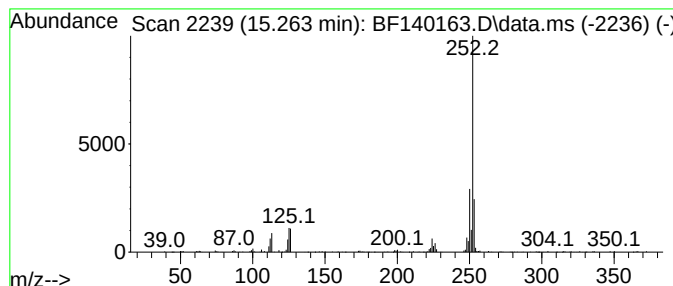
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 19 Benzo[e]pyrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.262	7.28 ng	161123	Perylene-d12	15.598

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[e]pyrene	252	C20H12	000192-97-2	98
2			Perylene	252	C20H12	000198-55-0	93
3			Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
4			Benzo[b]fluoranthene	252	C20H12	000205-99-2	90
5			Benzo[a]pyrene	252	C20H12	000050-32-8	90



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103024\
Data File : BF140163.D
Acq On : 30 Oct 2024 17:46
Operator : RC/JU
Sample : P4617-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RO-SOIL

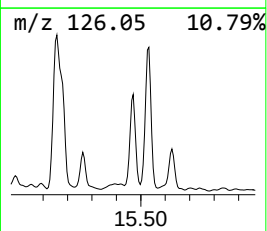
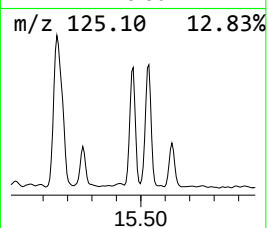
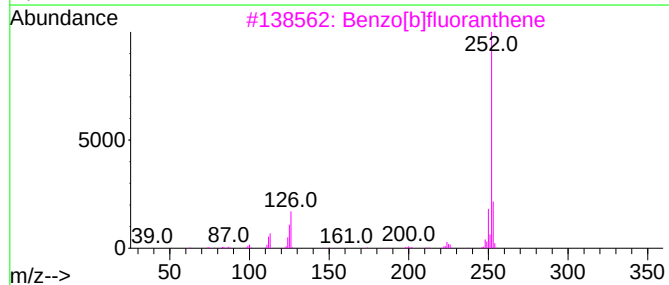
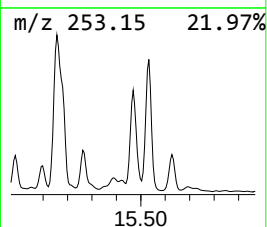
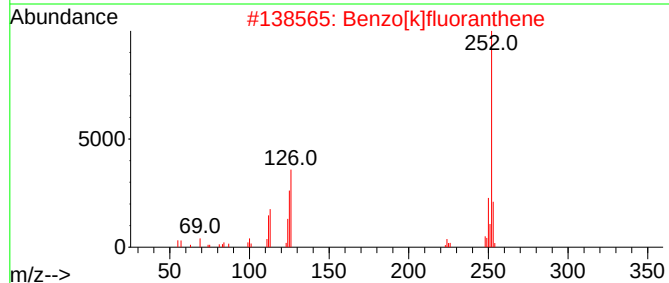
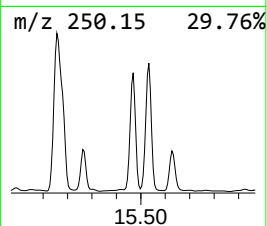
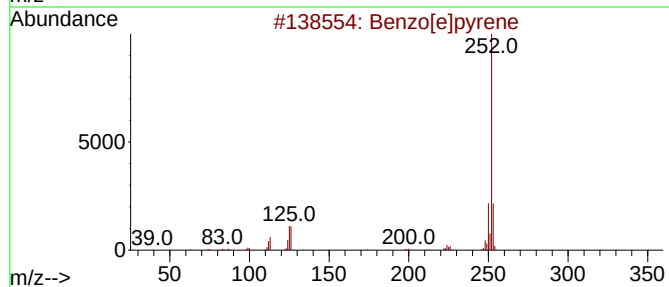
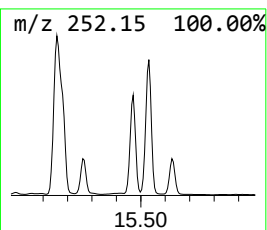
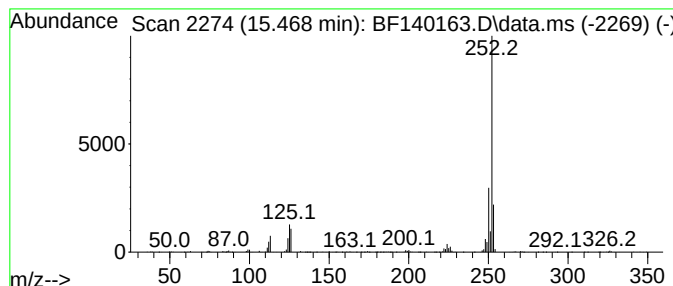
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Perylene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.468	24.72 ng	546830	Perylene-d12	15.598

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	94
3		Benzo[b]fluoranthene	252	C20H12	000205-99-2	90
4		Benzo[a]pyrene	252	C20H12	000050-32-8	90
5		Perylene	252	C20H12	000198-55-0	89



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103024\
 Data File : BF140163.D
 Acq On : 30 Oct 2024 17:46
 Operator : RC/JU
 Sample : P4617-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RO-SOIL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.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...	2.163	56.2	ng	1523590	1	6.881	542362	20.0
unknown9.639	9.639	3.9	ng	130837	3	9.922	669256	20.0
Benzophenone	10.639	10.0	ng	335775	3	9.922	669256	20.0
unknown10.839	10.839	6.1	ng	165171	4	11.416	538924	20.0
unknown11.310	11.310	4.0	ng	107573	4	11.416	538924	20.0
Phenanthrene, 1...	11.922	4.5	ng	119782	4	11.416	538924	20.0
n-Hexadecanoic ...	11.945	15.7	ng	422526	4	11.416	538924	20.0
Phenanthrene, 2...	11.992	4.4	ng	117810	4	11.416	538924	20.0
unknown12.033	12.033	16.5	ng	444758	4	11.416	538924	20.0
Naphthalene, 2-...	12.216	3.0	ng	80791	4	11.416	538924	20.0
Phenanthrene, 2...	12.475	11.8	ng	318539	4	11.416	538924	20.0
Naphthalene, 1,...	12.510	6.6	ng	177799	4	11.416	538924	20.0
Cyclopenta(def)...	12.557	4.9	ng	131120	4	11.416	538924	20.0
4,4'-Bis(tetra...	12.733	4.4	ng	117725	4	11.416	538924	20.0
Pyrene, 1-methyl-	13.086	3.8	ng	305354	5	14.080	1590390	20.0
11H-Benzo[a]flu...	13.192	5.0	ng	399599	5	14.080	1590390	20.0
Pyrene, 2-methyl-	13.298	3.0	ng	240545	5	14.080	1590390	20.0
Chrysene, 1-met...	14.474	3.0	ng	240325	5	14.080	1590390	20.0
Benzo[e]pyrene	15.262	7.3	ng	161123	6	15.598	442448	20.0
Perylene	15.468	24.7	ng	546830	6	15.598	442448	20.0