

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012822\
 Data File : BF126735.D
 Acq On : 28 Jan 2022 23:48
 Operator : CG/JU
 Sample : N1310-01 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-PILE

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-BF011822.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF126735.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.252	23	28	34	rVB	119645	147601	2.92%	0.280%
2	5.563	587	591	595	rBV	1126098	920804	18.21%	1.747%
3	6.563	757	761	766	rBV	1167689	949311	18.77%	1.801%
4	6.957	824	828	831	rBV	1295757	1093027	21.61%	2.074%
5	7.510	918	922	926	rBV	723876	582594	11.52%	1.105%
6	8.239	1042	1046	1048	rBV	1668527	1390320	27.49%	2.638%
7	8.257	1048	1049	1053	rVB	272106	186630	3.69%	0.354%
8	8.951	1163	1167	1170	rBV	369587	283114	5.60%	0.537%
9	9.051	1178	1184	1187	rBV	216468	173423	3.43%	0.329%
10	9.310	1224	1228	1231	rBV	1265090	952934	18.84%	1.808%
11	9.416	1243	1246	1249	rVB	152594	131808	2.61%	0.250%
12	9.580	1269	1274	1278	rBV	105113	142878	2.83%	0.271%
13	9.651	1282	1286	1288	rBV	175344	160578	3.18%	0.305%
14	9.680	1288	1291	1294	rVB	96874	82711	1.64%	0.157%
15	9.857	1316	1321	1324	rBV	207770	165202	3.27%	0.313%
16	9.998	1342	1345	1347	rVV	1687846	1346233	26.62%	2.554%
17	10.033	1347	1351	1354	rVB	2226751	1947591	38.51%	3.696%
18	10.151	1366	1371	1375	rBV	87260	93655	1.85%	0.178%
19	10.204	1375	1380	1383	rVV	851231	787455	15.57%	1.494%
20	10.545	1434	1438	1443	rVB	1795238	1453866	28.75%	2.759%
21	10.610	1447	1449	1451	rVV	199676	189176	3.74%	0.359%
22	10.633	1451	1453	1455	rVV	203372	165980	3.28%	0.315%
23	10.680	1459	1461	1462	rVV	116613	87722	1.73%	0.166%
24	10.704	1462	1465	1468	rVV	213394	203122	4.02%	0.385%
25	10.780	1472	1478	1483	rVV	634384	661071	13.07%	1.254%
26	10.910	1494	1500	1503	rBV3	58673	78906	1.56%	0.150%
27	11.092	1525	1531	1534	rBV2	248574	315301	6.23%	0.598%
28	11.122	1534	1536	1539	rVV2	116555	108518	2.15%	0.206%
29	11.174	1542	1545	1548	rVB2	102923	104576	2.07%	0.198%
30	11.222	1548	1553	1555	rBV2	86379	117944	2.33%	0.224%
31	11.245	1555	1557	1561	rVV2	107598	118183	2.34%	0.224%
32	11.292	1561	1565	1568	rVV2	123723	128627	2.54%	0.244%
33	11.333	1568	1572	1577	rVV4	101543	166231	3.29%	0.315%
34	11.386	1577	1581	1586	rVB	490513	408991	8.09%	0.776%
35	11.492	1595	1599	1601	rBV	1270451	1342387	26.54%	2.547%
36	11.522	1601	1604	1607	rVV	5311585	4961714	98.11%	9.415%

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37	11.569	1609	1612	1614	rVV	701065	633556	12.53%	1.202%
38	11.598	1614	1617	1620	rVB	131095	127239	2.52%	0.241%
39	11.716	1630	1637	1644	rBV2	369922	457108	9.04%	0.867%
40	11.786	1646	1649	1652	rVV2	121173	103641	2.05%	0.197%
41	11.822	1652	1655	1659	rVB2	91897	86705	1.71%	0.165%
42	11.992	1678	1684	1686	rBV	552972	492686	9.74%	0.935%
43	12.021	1686	1689	1692	rVB	717195	602721	11.92%	1.144%
44	12.069	1692	1697	1700	rBV	210807	213355	4.22%	0.405%
45	12.110	1700	1704	1706	rBV2	1085745	1200469	23.74%	2.278%
46	12.286	1731	1734	1736	rBV	340378	282310	5.58%	0.536%
47	12.310	1736	1738	1745	rVB2	191107	181884	3.60%	0.345%
48	12.433	1754	1759	1762	rBV3	119089	147243	2.91%	0.279%
49	12.469	1762	1765	1767	rVV	107206	96482	1.91%	0.183%
50	12.539	1774	1777	1780	rBV	207987	228524	4.52%	0.434%
51	12.580	1780	1784	1786	rVV	132004	172200	3.41%	0.327%
52	12.627	1790	1792	1797	rBV	215360	230086	4.55%	0.437%
53	12.716	1802	1807	1810	rVV	5173194	5057131	100.00%	9.596%
54	12.769	1814	1816	1819	rVB	123934	105380	2.08%	0.200%
55	12.863	1828	1832	1834	rVB2	175544	157152	3.11%	0.298%
56	12.945	1839	1846	1849	rBV2	3905125	4712600	93.19%	8.942%
57	12.986	1850	1853	1857	rVB2	177308	199588	3.95%	0.379%
58	13.057	1861	1865	1866	rBV	213954	210645	4.17%	0.400%
59	13.074	1866	1868	1870	rBV	762412	556196	11.00%	1.055%
60	13.151	1876	1881	1885	rBV2	214912	379201	7.50%	0.720%
61	13.239	1893	1896	1897	rVV2	172221	176224	3.48%	0.334%
62	13.263	1897	1900	1904	rVV	621149	615641	12.17%	1.168%
63	13.333	1908	1912	1914	rVV	595868	515864	10.20%	0.979%
64	13.368	1914	1918	1920	rVV2	327934	332097	6.57%	0.630%
65	13.398	1920	1923	1925	rVV	172510	157167	3.11%	0.298%
66	13.463	1931	1934	1936	rBV	169300	125439	2.48%	0.238%
67	13.492	1936	1939	1942	rBV	173006	151739	3.00%	0.288%
68	13.768	1984	1986	1991	rVB	169602	189107	3.74%	0.359%
69	13.886	2000	2006	2009	rBV2	344146	396334	7.84%	0.752%
70	13.915	2009	2011	2013	rVV	287503	242851	4.80%	0.461%
71	13.939	2013	2015	2019	rVV2	220583	303592	6.00%	0.576%
72	13.980	2019	2022	2026	rVB2	190910	222701	4.40%	0.423%
73	14.057	2032	2035	2041	rVB	92419	101503	2.01%	0.193%
74	14.133	2041	2048	2052	rBV2	1779268	2886010	57.07%	5.476%
75	14.163	2052	2053	2059	rVB	979068	849504	16.80%	1.612%
76	14.245	2064	2067	2070	rVV	283436	215515	4.26%	0.409%

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77	14.363	2083	2087	2090	rVB2	101078	142400	2.82%	0.270%
78	14.521	2110	2114	2118	rVV	196649	276144	5.46%	0.524%
79	14.557	2118	2120	2124	rVV	145793	145857	2.88%	0.277%
80	14.598	2124	2127	2129	rVV	148483	163620	3.24%	0.310%
81	14.621	2129	2131	2133	rVV2	107380	111754	2.21%	0.212%
82	14.651	2133	2136	2138	rVV	145096	149958	2.97%	0.285%
83	14.674	2138	2140	2144	rVV2	143131	149609	2.96%	0.284%
84	14.727	2144	2149	2153	rVB3	71139	126846	2.51%	0.241%
85	14.839	2164	2168	2172	rBV2	86598	118093	2.34%	0.224%
86	14.921	2179	2182	2187	rVB3	83463	93028	1.84%	0.177%
87	15.210	2225	2231	2234	rBV	627826	1016750	20.11%	1.929%
88	15.280	2239	2243	2247	rVV2	210403	257660	5.09%	0.489%
89	15.321	2247	2250	2254	rVB	113092	117484	2.32%	0.223%
90	15.527	2280	2285	2291	rVB	327746	431216	8.53%	0.818%
91	15.592	2291	2296	2302	rBV	397835	477707	9.45%	0.906%
92	15.662	2302	2308	2312	rBV2	909579	1315557	26.01%	2.496%
93	15.898	2344	2348	2354	rVB4	107660	172328	3.41%	0.327%
94	16.151	2381	2391	2397	rBV2	139538	264078	5.22%	0.501%
95	16.692	2477	2483	2489	rBV2	83689	163683	3.24%	0.311%
96	17.009	2531	2537	2548	rBV4	76898	184208	3.64%	0.350%
97	17.209	2565	2571	2579	rVB2	89546	188455	3.73%	0.358%
98	17.333	2587	2592	2599	rVB3	60629	128856	2.55%	0.245%
99	17.680	2644	2651	2661	rBV	62262	128133	2.53%	0.243%
100	18.098	2715	2722	2730	rVB3	42961	111726	2.21%	0.212%

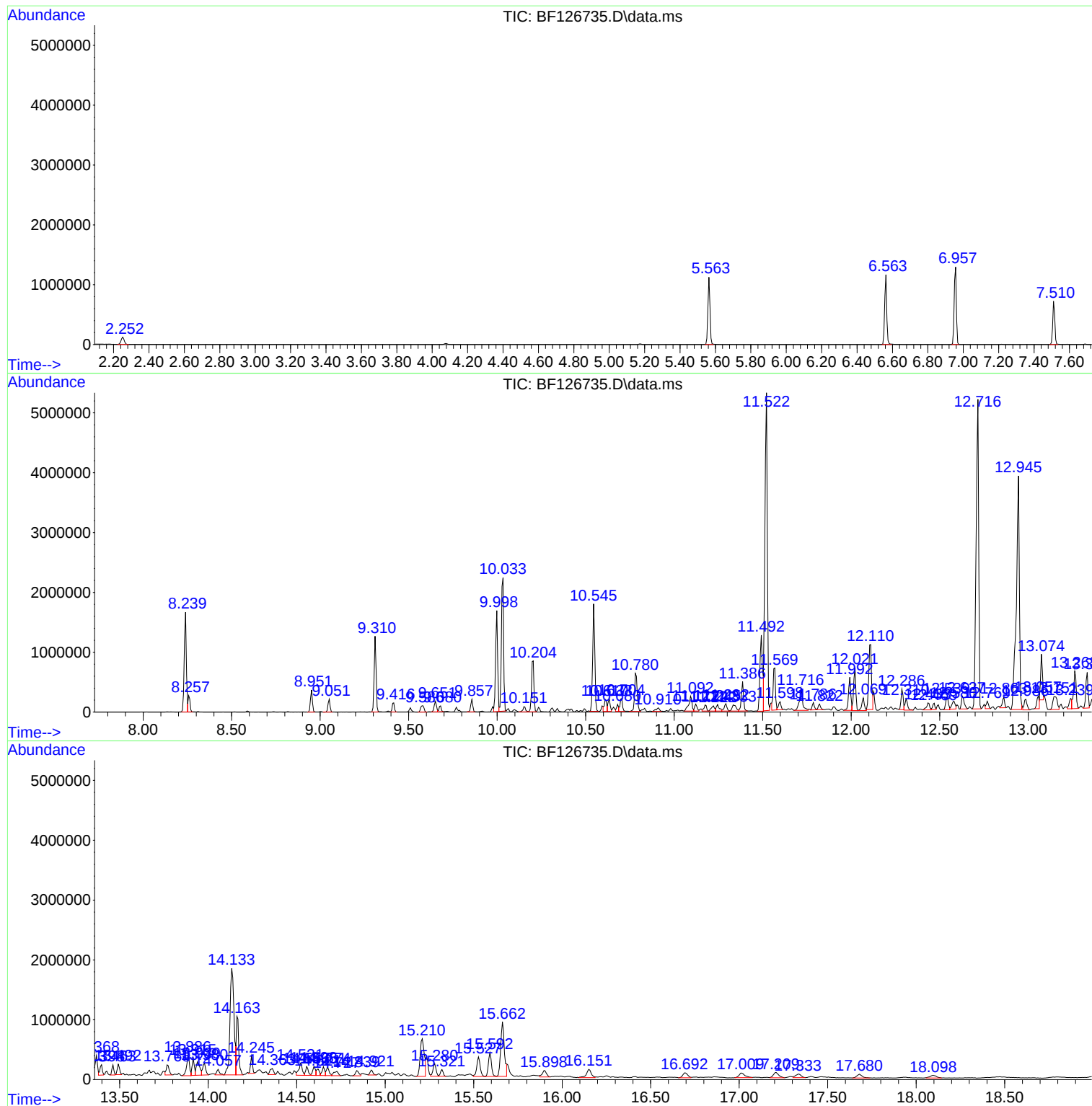
Sum of corrected areas: 52700724

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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011822.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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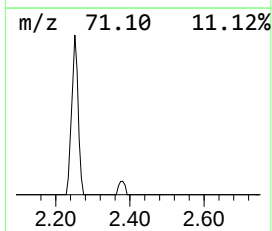
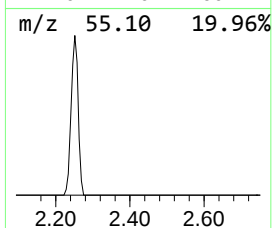
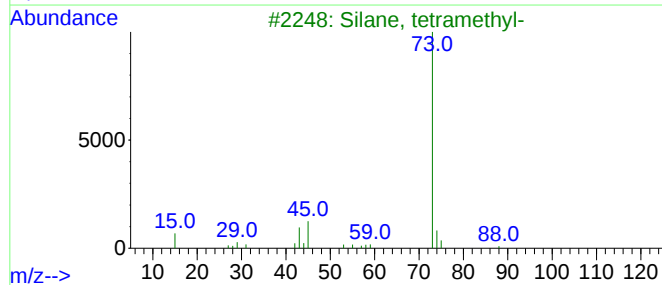
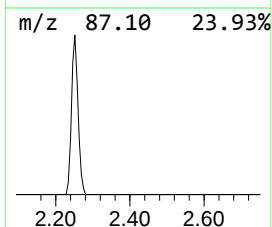
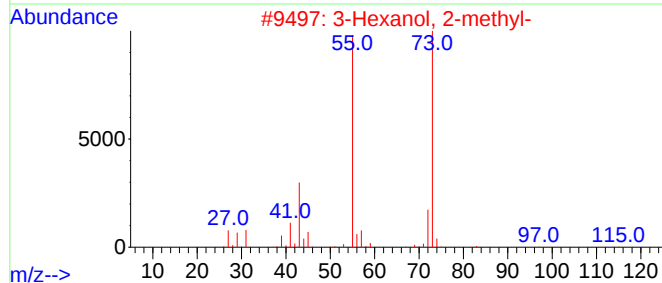
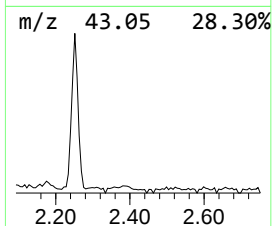
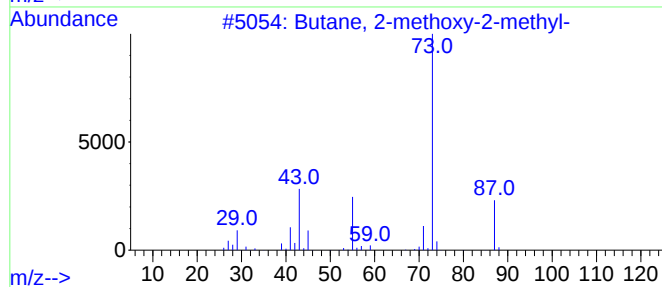
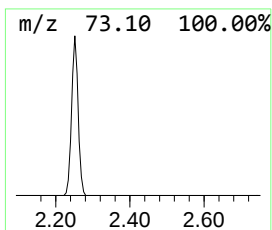
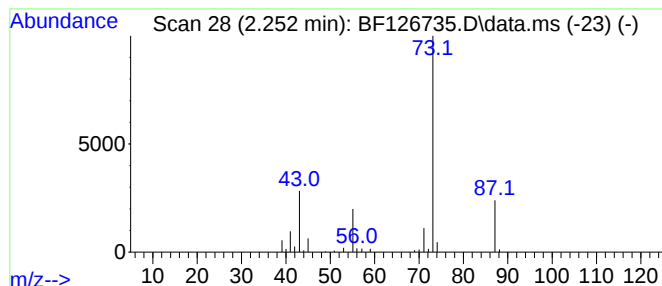
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011822.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.252	2.70 ng	147601	1,4-Dichlorobenzene-d4	6.957

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2			3-Hexanol, 2-methyl-	116	C7H16O	000617-29-8	17
3			Silane, tetramethyl-	88	C4H12Si	000075-76-3	9
4			N-Ethylformamide	73	C3H7NO	000627-45-2	9
5			Octanal, 7-methoxy-3,7-dimethyl-	186	C11H22O2	003613-30-7	9



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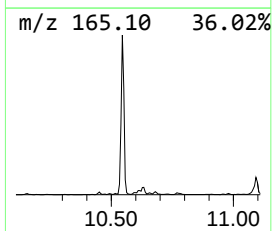
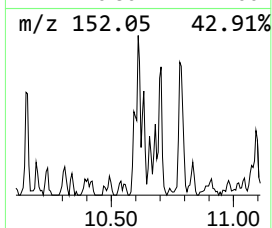
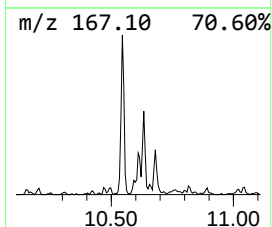
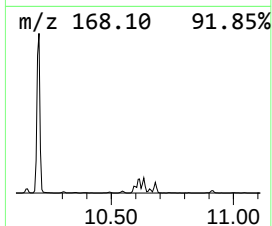
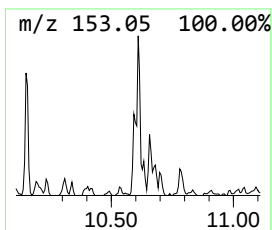
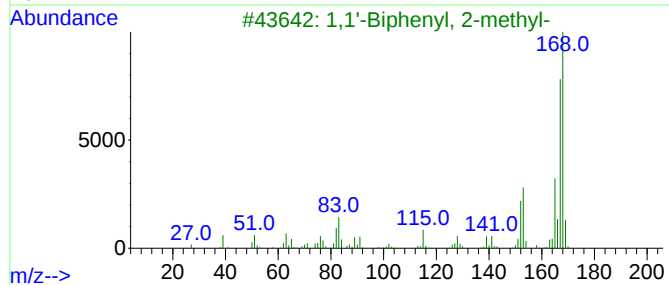
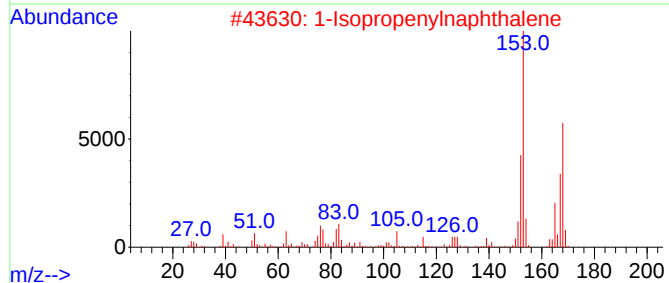
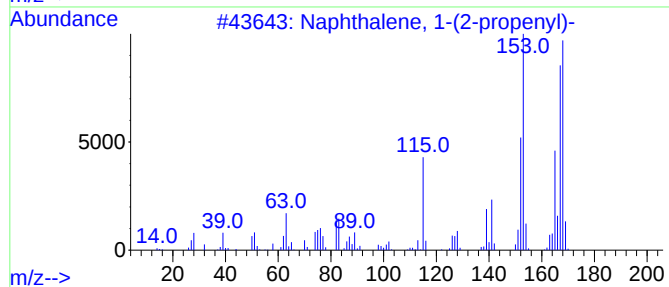
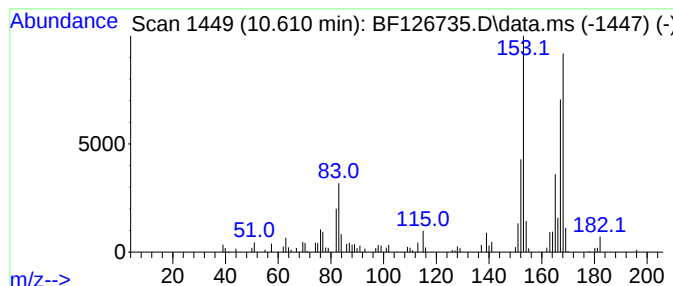
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011822.M
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Naphthalene, 1-(2-propenyl)- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.610	2.81 ng	189176	Acenaphthene-d10	9.998

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	93
2			1-Isopropenylnaphthalene	168	C13H12	001855-47-6	87
3			1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	76
4			2-Allylnaphthalene	168	C13H12	002489-87-4	68
5			Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	64



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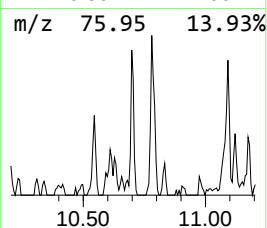
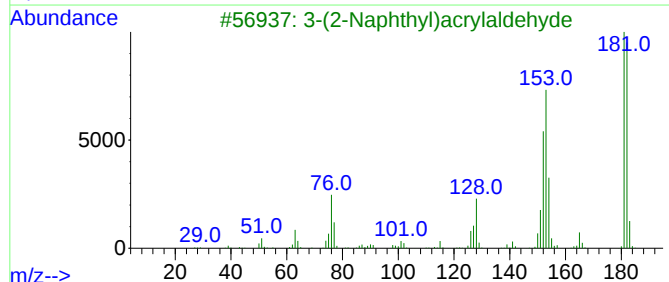
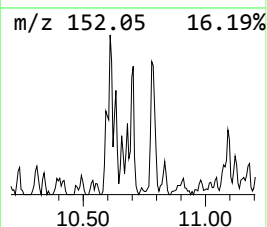
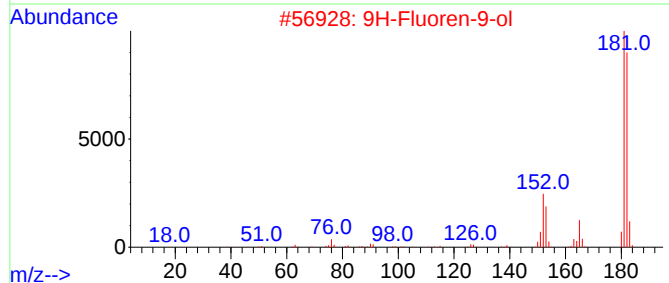
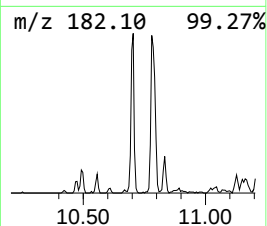
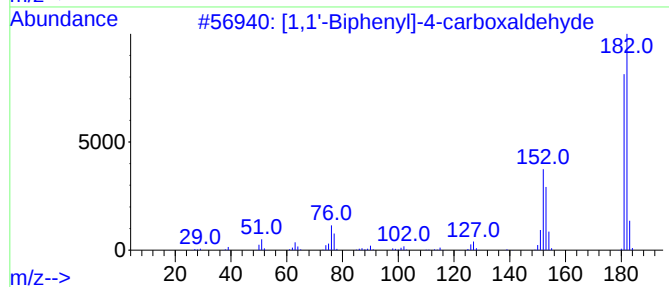
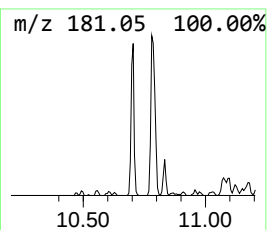
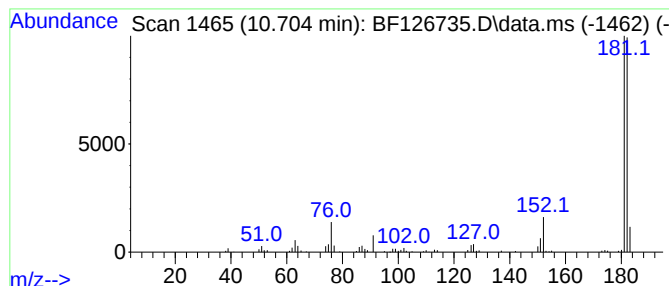
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011822.M
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 [1,1'-Biphenyl]-4-carboxald... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.704	3.02 ng	203122	Acenaphthene-d10	9.998

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	90
2		9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
3		3-(2-Naphthyl)acrylaldehyde	182	C13H10O	020884-05-3	78
4		2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	78
5		9H-Xanthene	182	C13H10O	000092-83-1	72



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012822\
Data File : BF126735.D
Acq On : 28 Jan 2022 23:48
Operator : CG/JU
Sample : N1310-01 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

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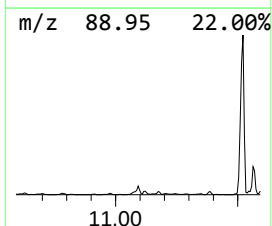
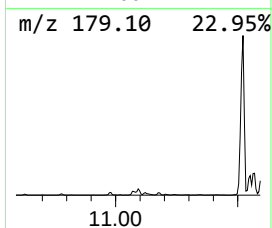
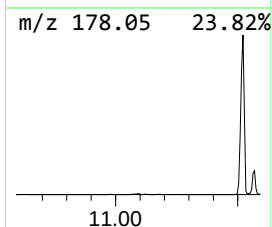
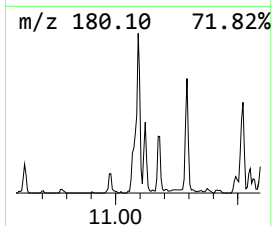
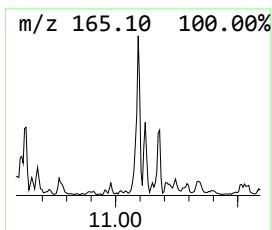
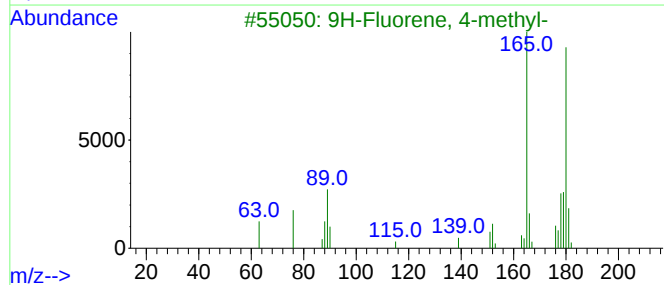
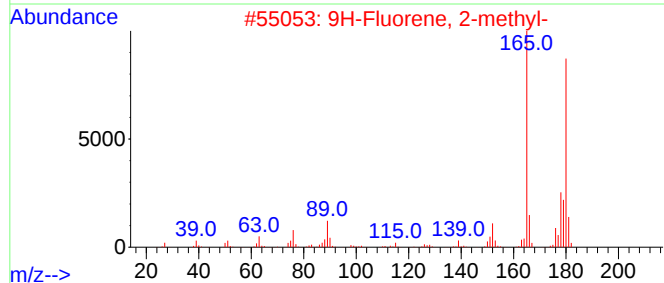
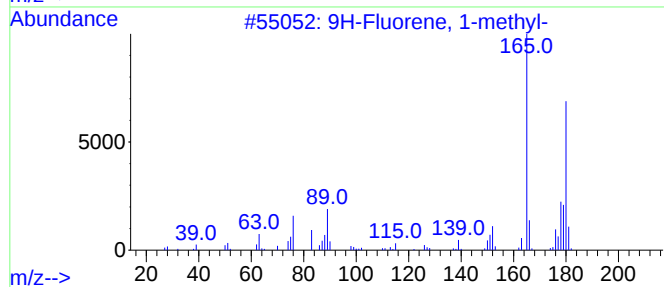
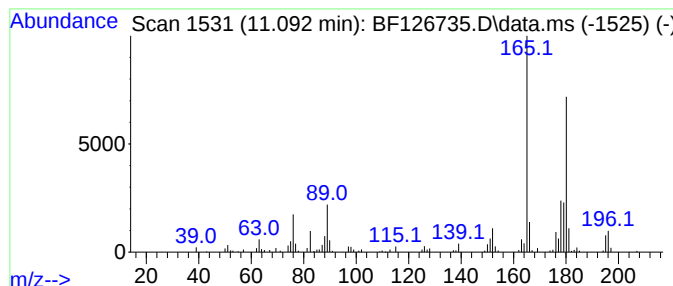
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 9H-Fluorene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.092	4.70 ng	315301	Phenanthrene-d10	11.492

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	97
2		9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	94
3		9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	92
4		9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	89
5		9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	89



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012822\
Data File : BF126735.D
Acq On : 28 Jan 2022 23:48
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Sample : N1310-01 5X
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ALS Vial : 22 Sample Multiplier: 1

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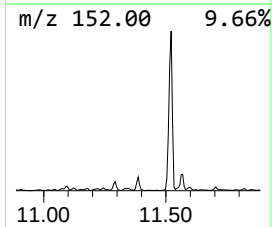
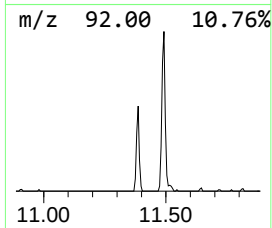
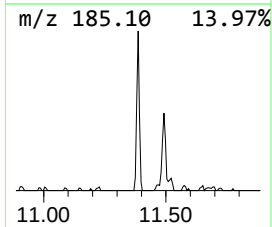
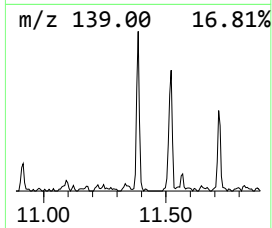
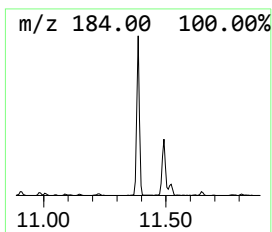
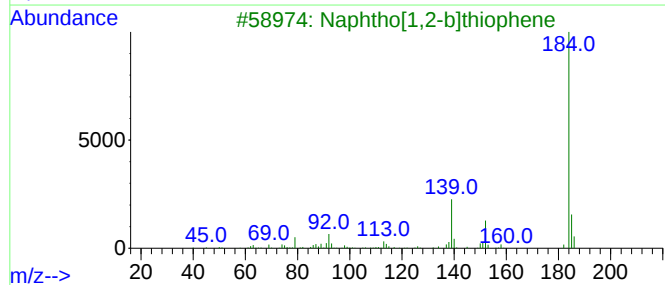
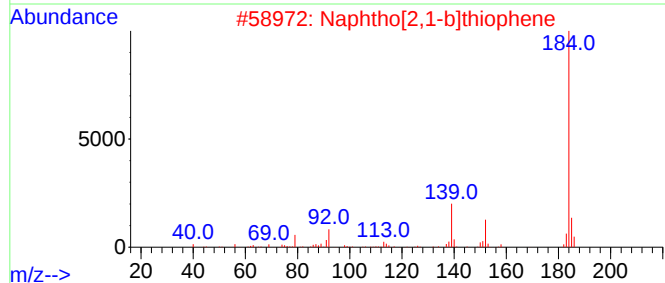
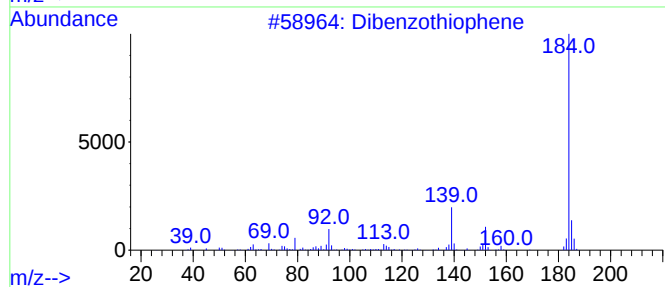
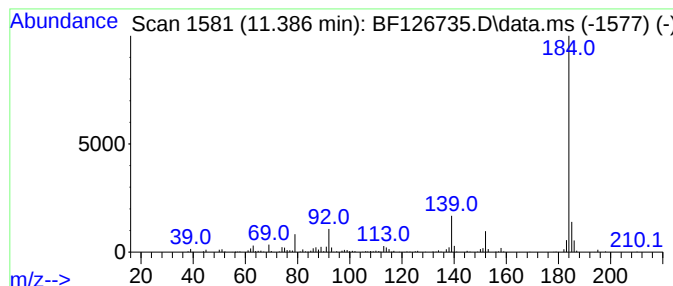
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Dibenzothiophene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.386	6.09 ng	408991	Phenanthrene-d10	11.492

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dibenzothiophene	184	C12H8S	000132-65-0	97
2			Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
3			Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	94
4			Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	94
5			Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91



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Data File : BF126735.D
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Operator : CG/JU
Sample : N1310-01 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

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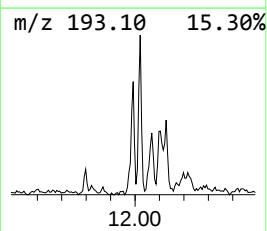
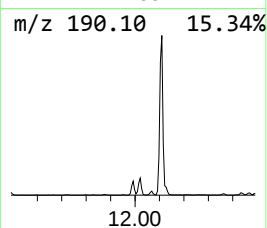
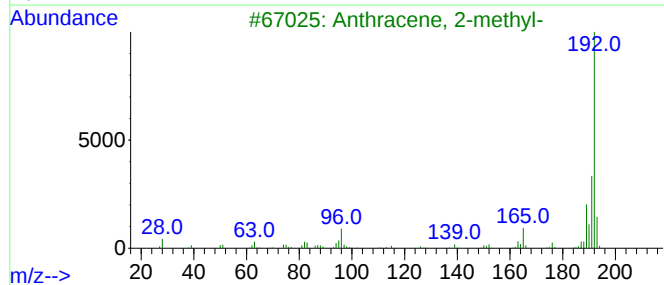
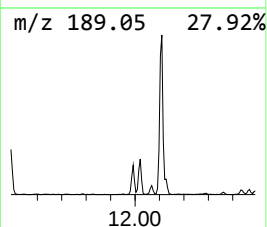
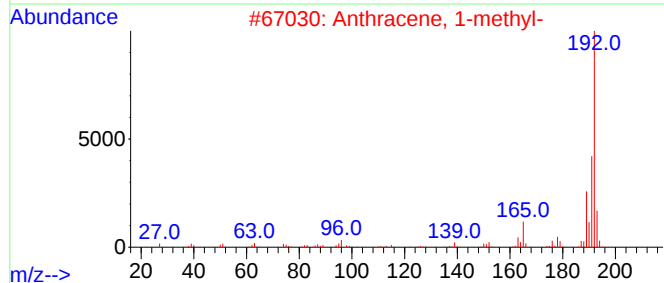
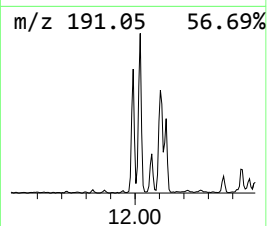
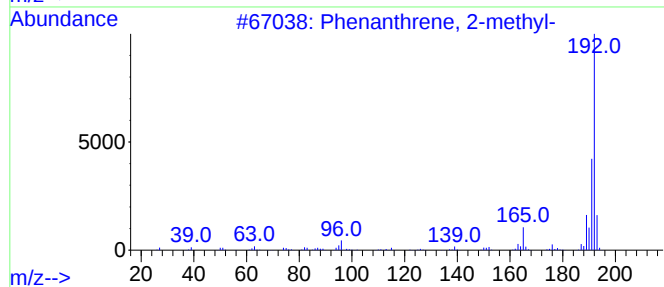
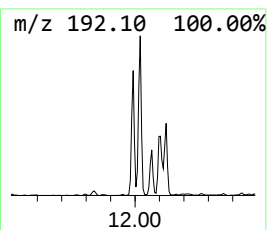
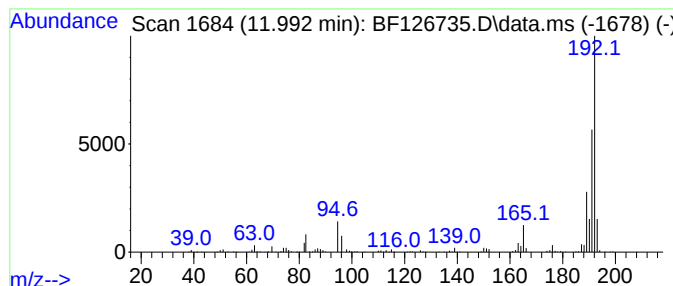
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Phenanthrene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.992	7.34 ng	492686	Phenanthrene-d10	11.492

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2			Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
3			Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4			Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
5			1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	90



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012822\
Data File : BF126735.D
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Misc :
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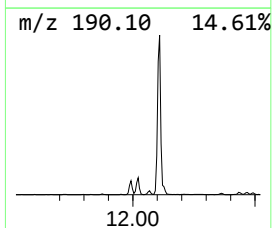
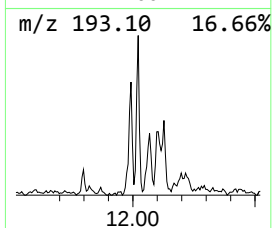
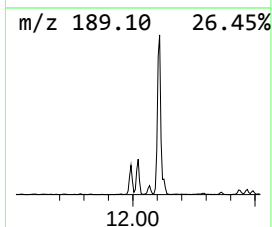
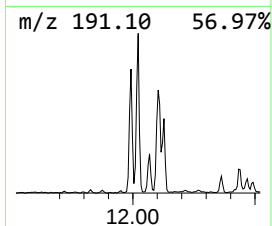
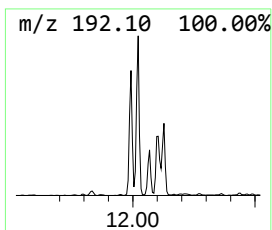
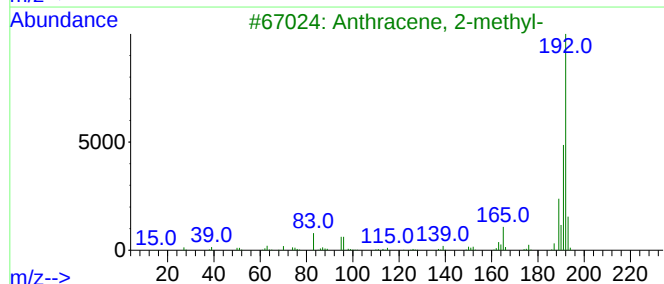
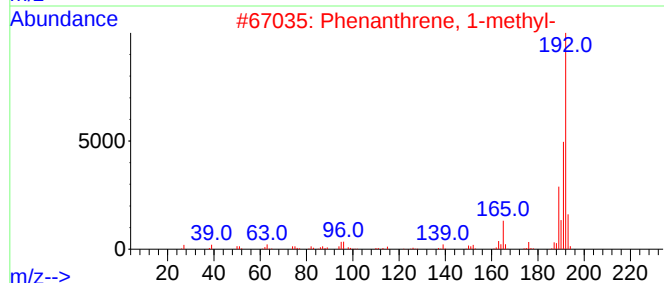
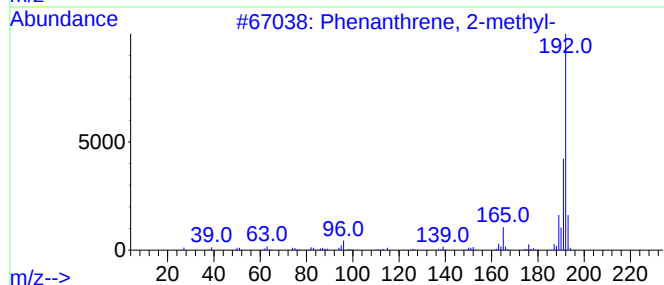
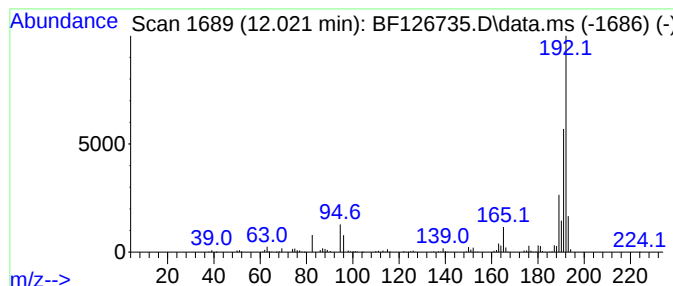
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 Phenanthrene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.022	8.98 ng	602721	Phenanthrene-d10	11.492

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3			Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4			Anthracene, 9-methyl-	192	C15H12	000779-02-2	96
5			1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	92



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012822\
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Misc :
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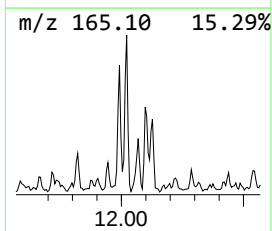
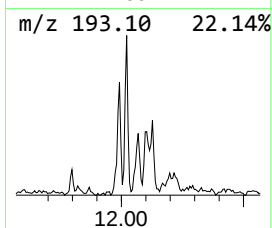
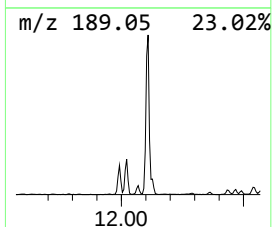
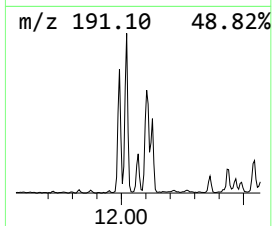
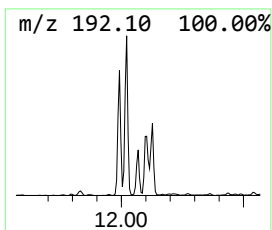
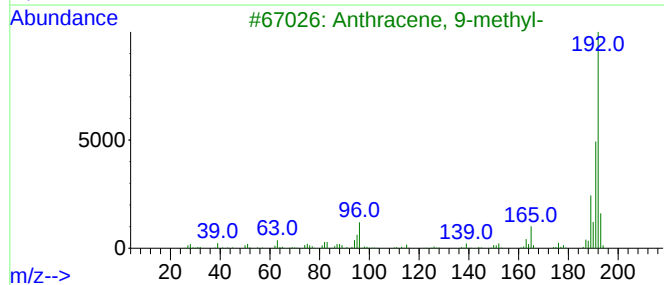
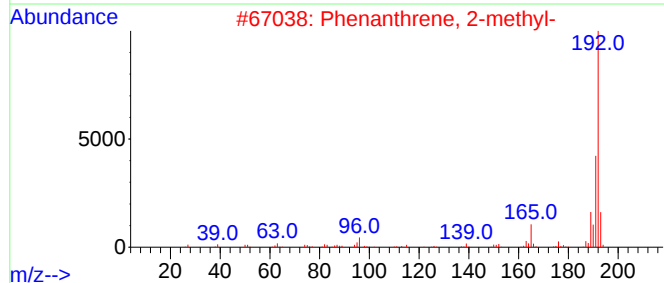
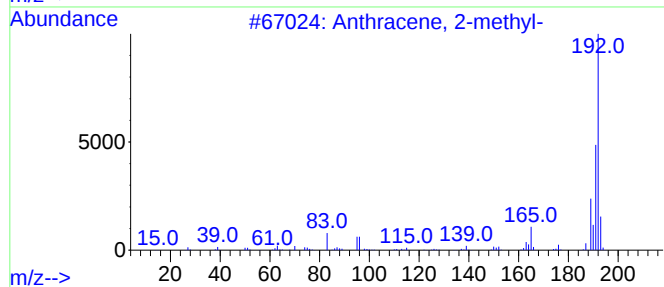
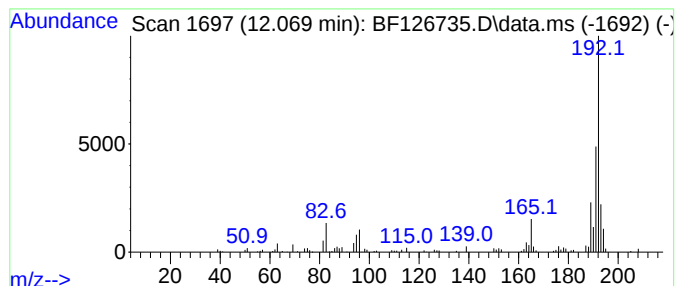
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.069	3.18 ng	213355	Phenanthrene-d10	11.492	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
4	1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	94
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012822\
Data File : BF126735.D
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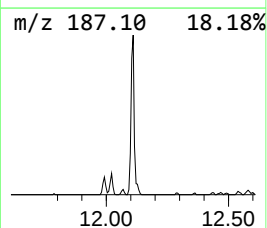
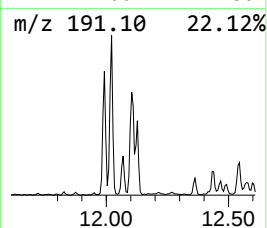
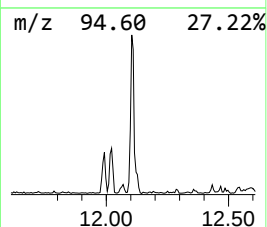
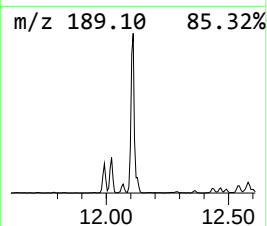
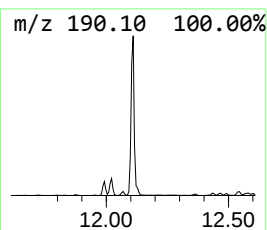
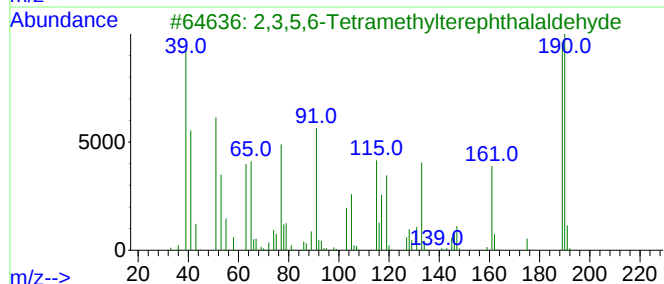
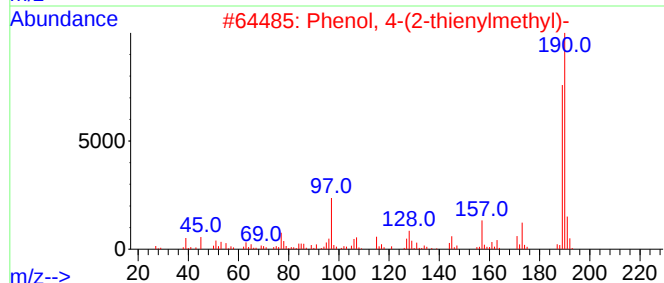
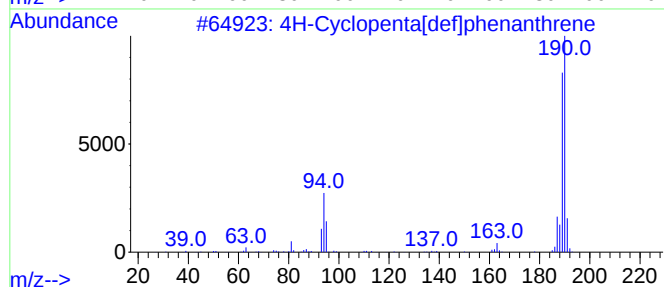
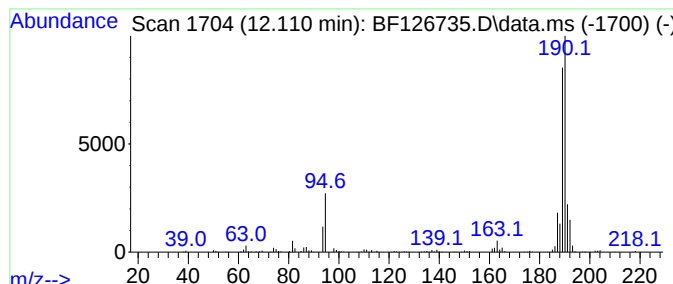
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.110	17.89 ng	1200470	Phenanthrene-d10	11.492

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	96
2			Phenol, 4-(2-thienylmethyl)-	190	C11H10OS	091680-55-6	59
3			2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
4			8H-Cyclopenta[d][1,2,4]triazolo[...]	190	C9H10N4O	1000337-56-4	45
5			2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012822\
Data File : BF126735.D
Acq On : 28 Jan 2022 23:48
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ALS Vial : 22 Sample Multiplier: 1

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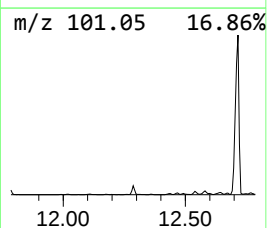
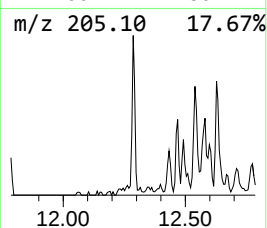
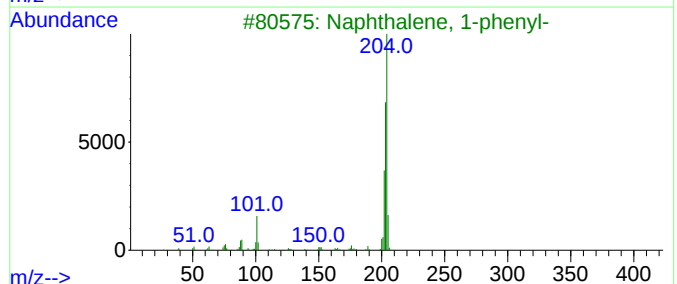
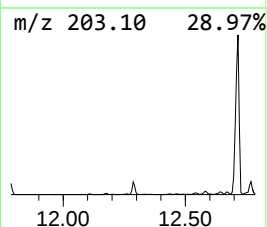
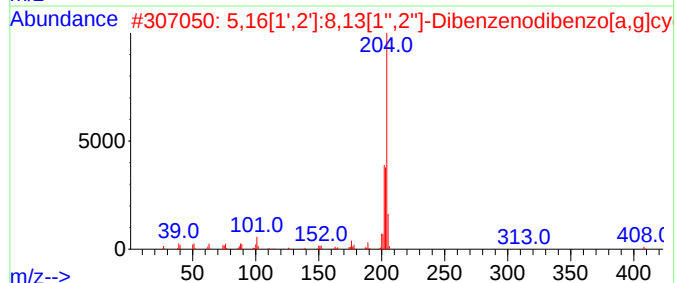
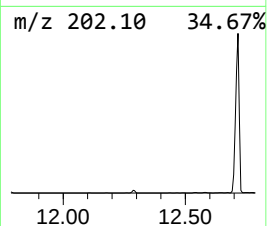
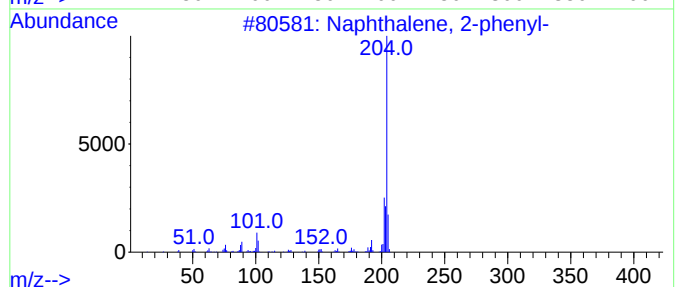
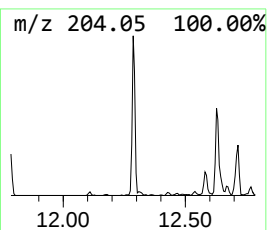
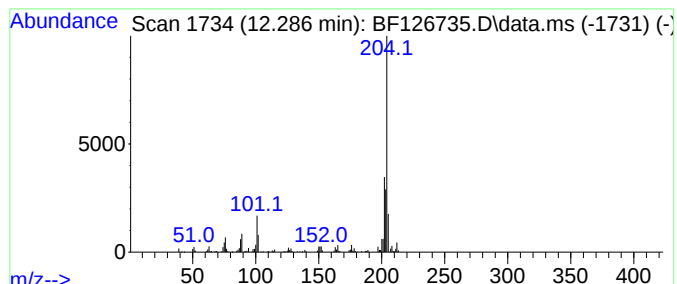
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Naphthalene, 2-phenyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.286	4.21 ng	282310	Phenanthrene-d10	11.492

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	94
2			5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
3			Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	83
4			Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	72
5			3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	53



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012822\
Data File : BF126735.D
Acq On : 28 Jan 2022 23:48
Operator : CG/JU
Sample : N1310-01 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-PILE

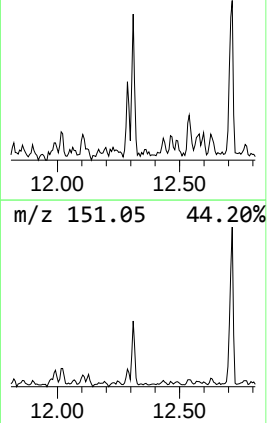
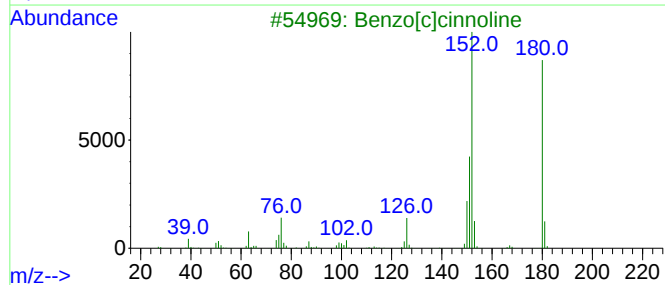
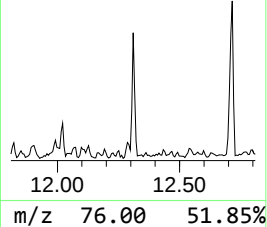
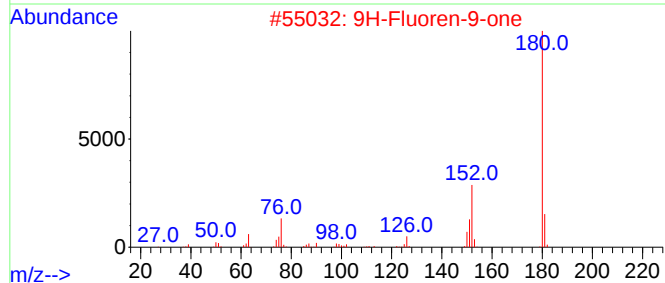
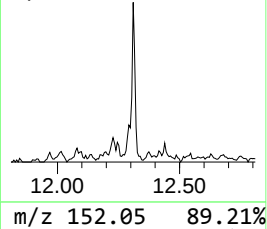
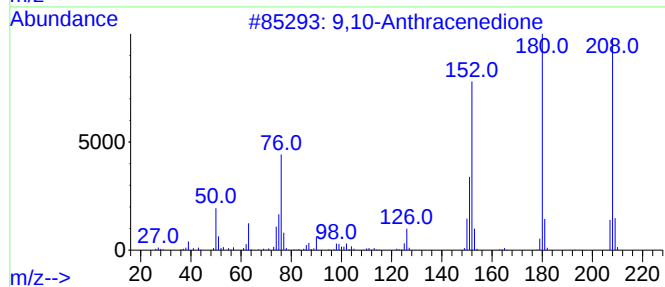
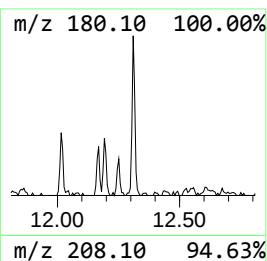
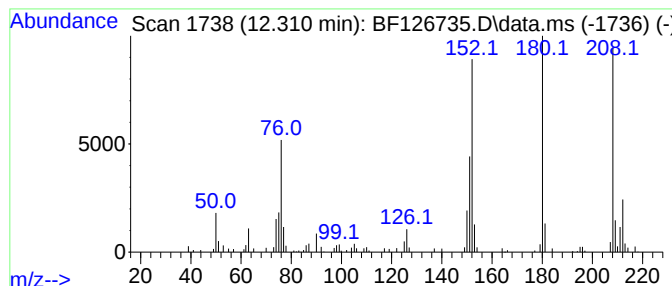
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 9,10-Anthracenedione Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.310	2.71 ng	181884	Phenanthrene-d10	11.492

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
2			9H-Fluoren-9-one	180	C13H8O	000486-25-9	70
3			Benzo[c]cinnoline	180	C12H8N2	000230-17-1	60
4			1H-Phenalen-1-one	180	C13H8O	000548-39-0	58
5			9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	49



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012822\
Data File : BF126735.D
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Operator : CG/JU
Sample : N1310-01 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SOIL-PILE

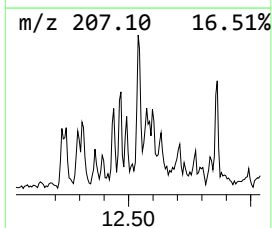
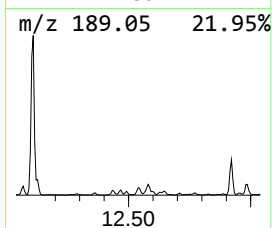
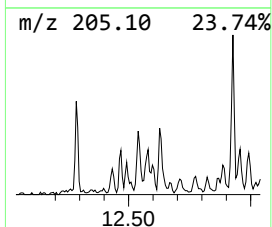
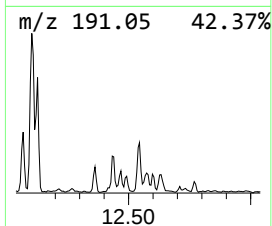
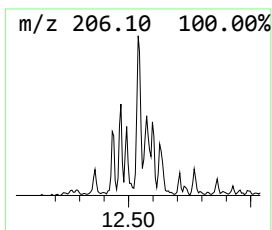
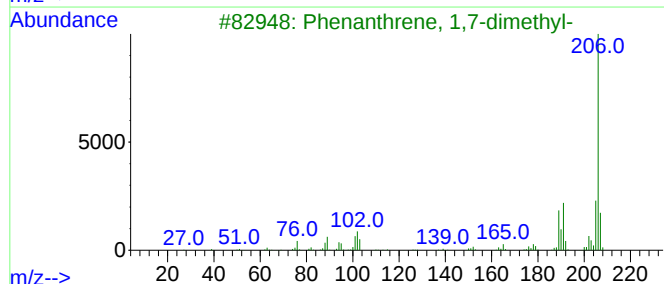
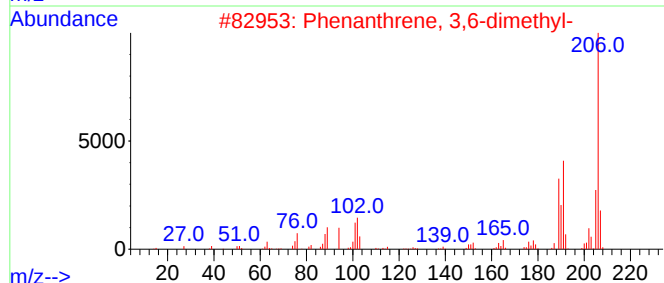
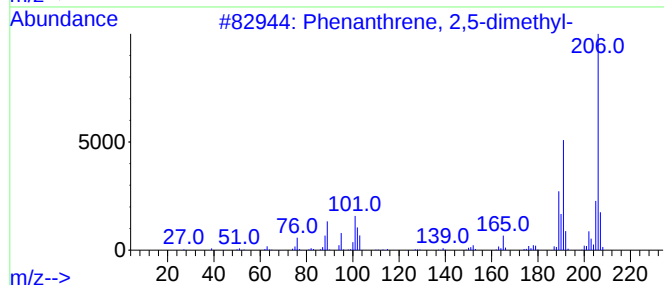
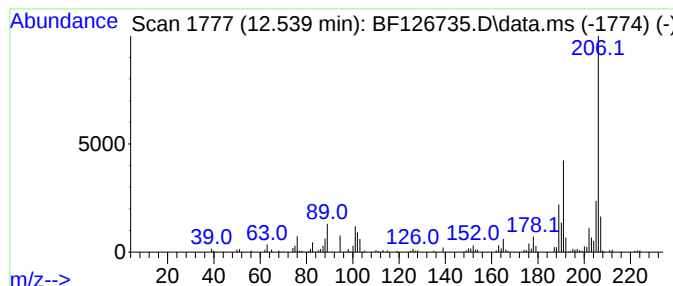
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Phenanthrene, 2,5-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.539	3.40 ng	228524	Phenanthrene-d10	11.492

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
2			Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	95
3			Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
4			Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91
5			Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	90



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012822\
Data File : BF126735.D
Acq On : 28 Jan 2022 23:48
Operator : CG/JU
Sample : N1310-01 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-PILE

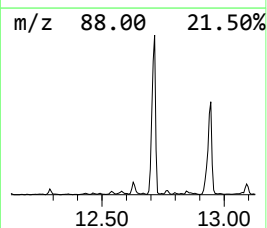
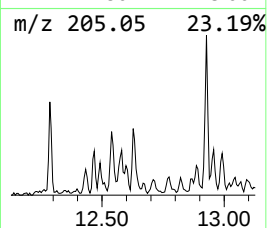
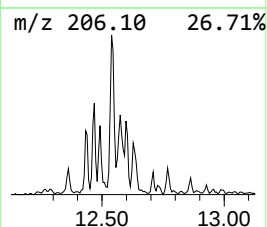
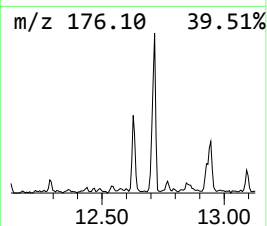
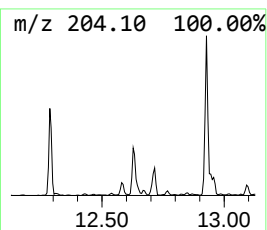
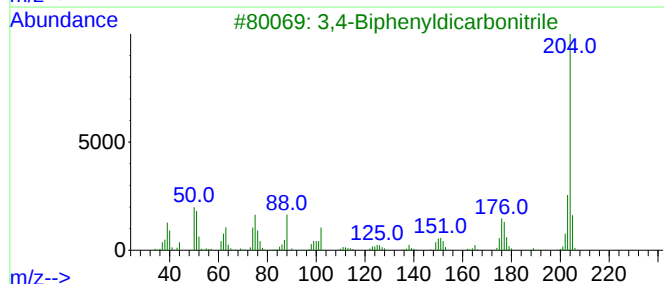
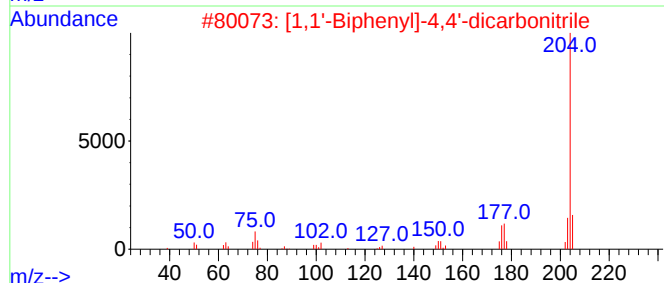
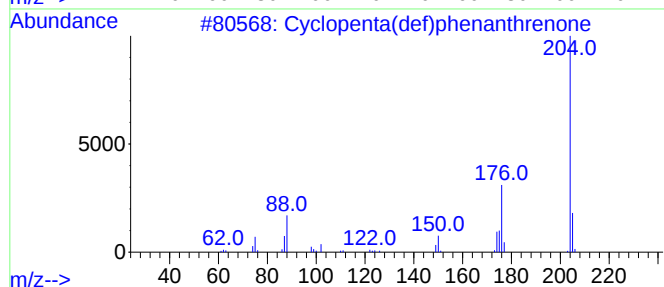
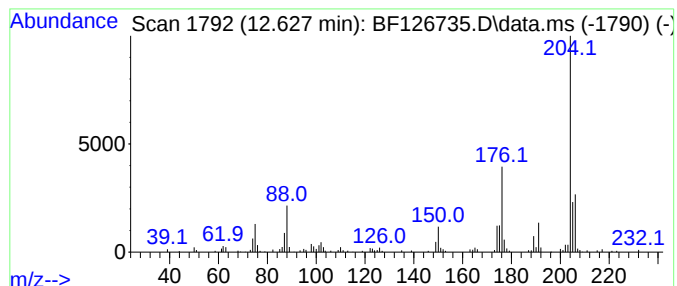
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Cyclopenta(def)phenanthrenone Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.627	3.43 ng	230086	Phenanthrene-d10	11.492

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	97
2			[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	43
3			3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	40
4			[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	38
5			Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	38



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012822\
Data File : BF126735.D
Acq On : 28 Jan 2022 23:48
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Sample : N1310-01 5X
Misc :
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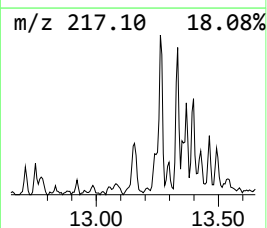
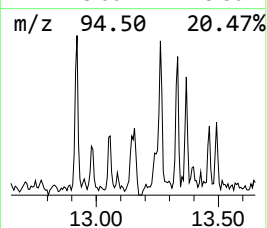
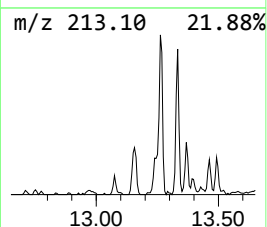
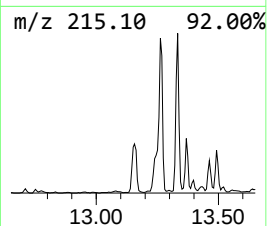
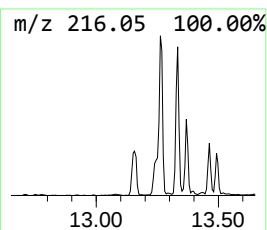
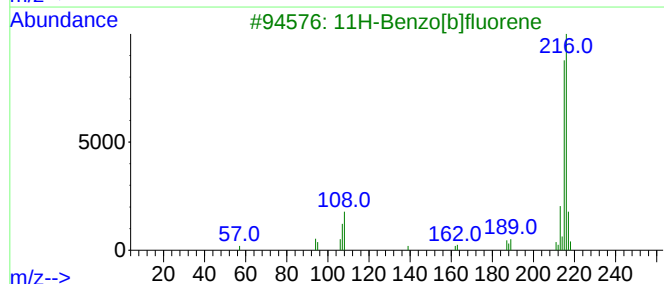
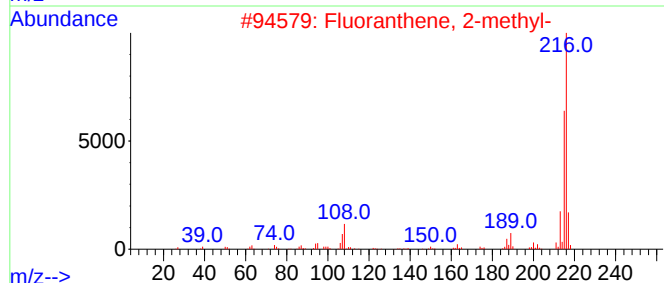
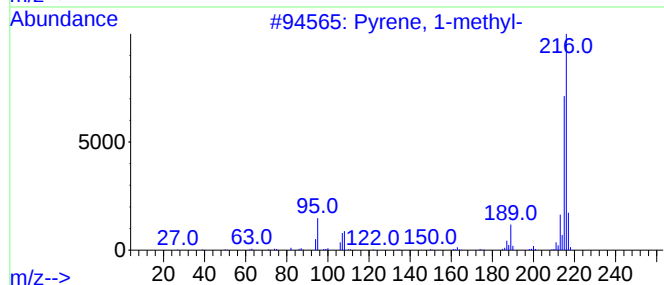
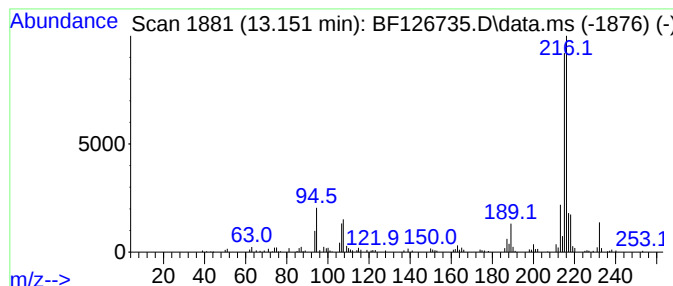
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Pyrene, 1-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.151	2.63 ng	379201	Chrysene-d12	14.139

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	96
3		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	92
4		Pyrene, 2-methyl-	216	C17H12	003442-78-2	89
5		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	76



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012822\
Data File : BF126735.D
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Operator : CG/JU
Sample : N1310-01 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

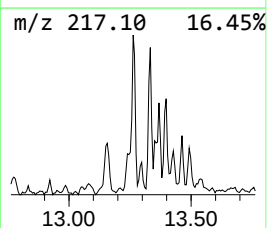
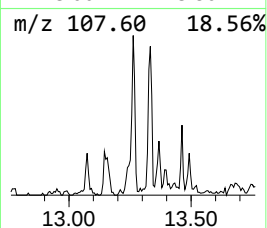
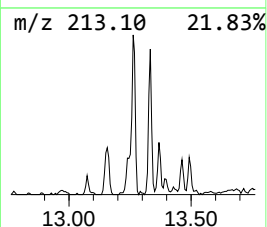
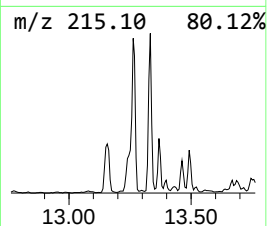
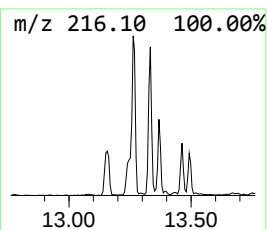
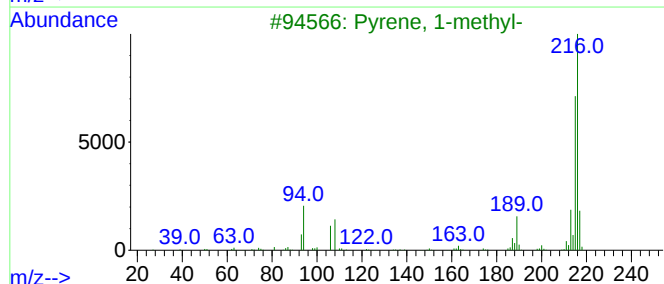
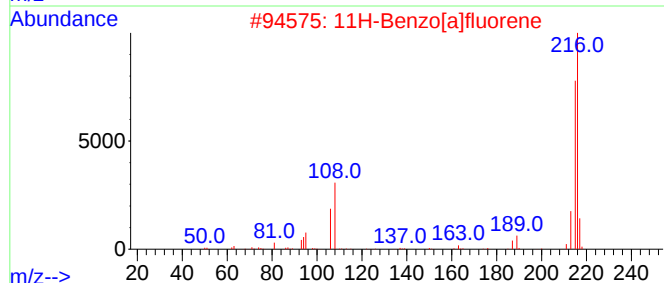
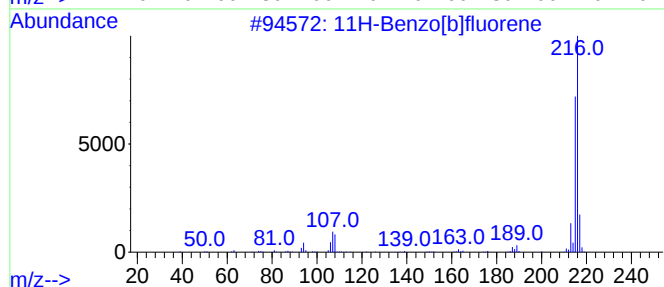
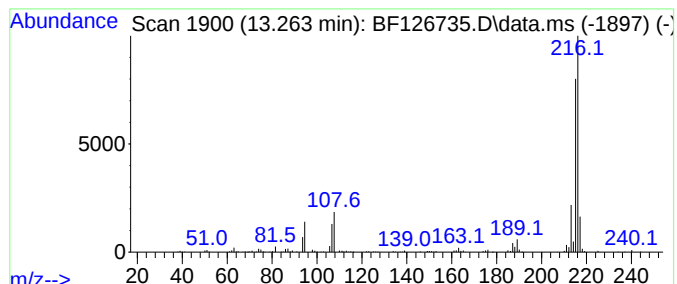
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 11H-Benzo[b]fluorene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.263	4.27 ng	615641	Chrysene-d12	14.139	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	83
4	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	81
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	76



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012822\
Data File : BF126735.D
Acq On : 28 Jan 2022 23:48
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Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
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SOIL-PILE

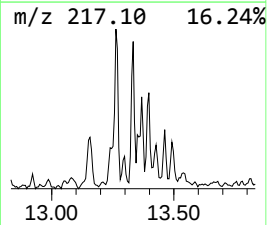
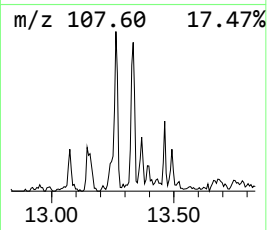
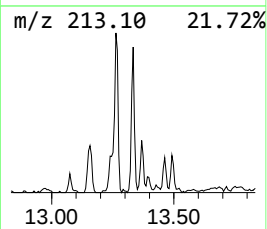
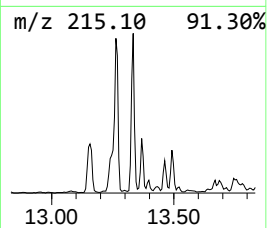
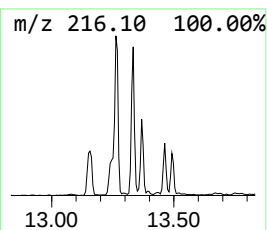
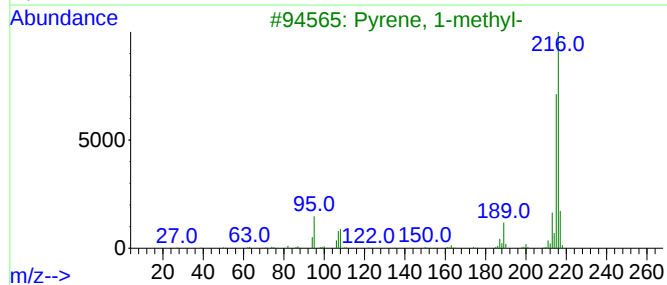
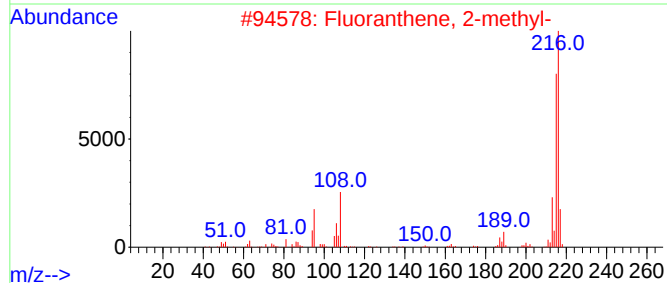
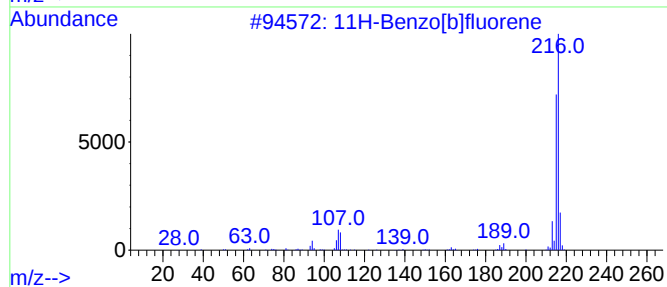
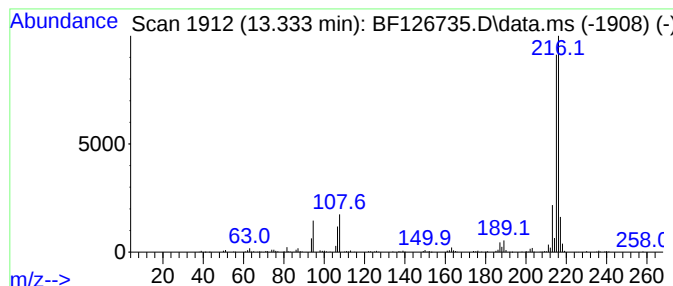
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Fluoranthene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.333	3.57 ng	515864	Chrysene-d12	14.139

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
3		Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
4		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5		7H-Benzo[c]fluorene	216	C17H12	000205-12-9	81



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012822\
Data File : BF126735.D
Acq On : 28 Jan 2022 23:48
Operator : CG/JU
Sample : N1310-01 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

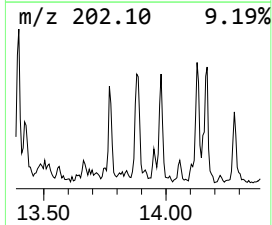
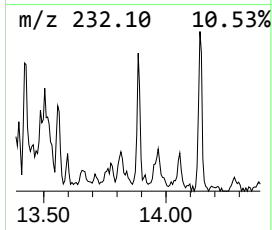
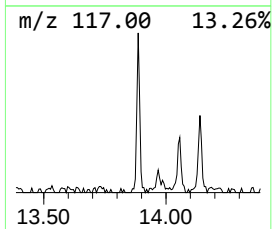
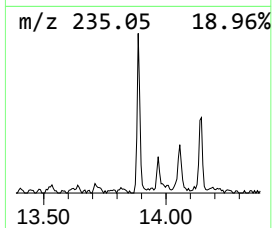
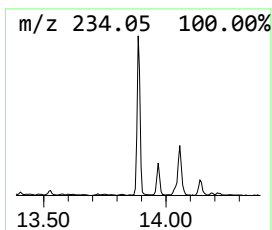
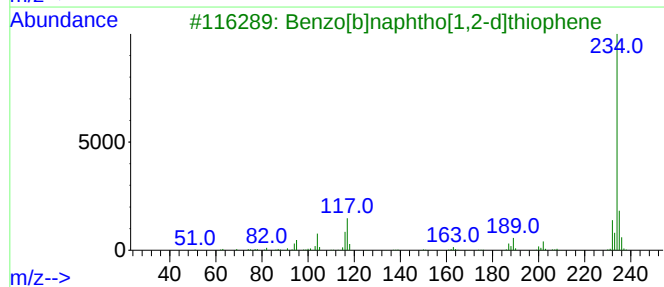
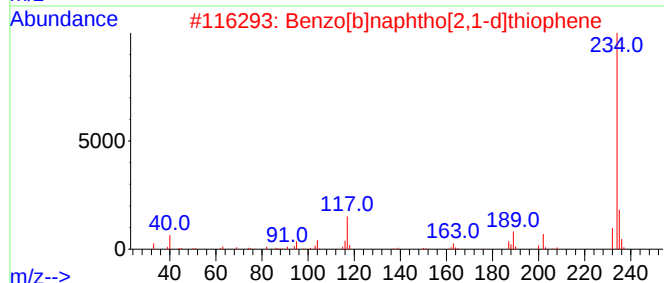
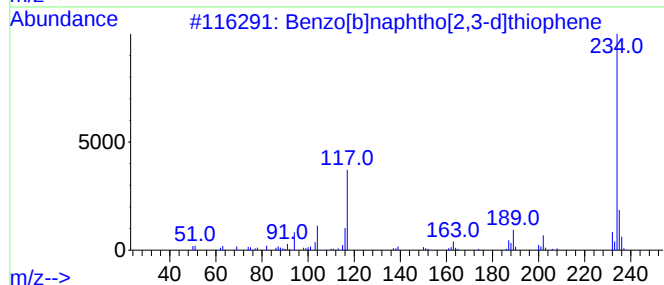
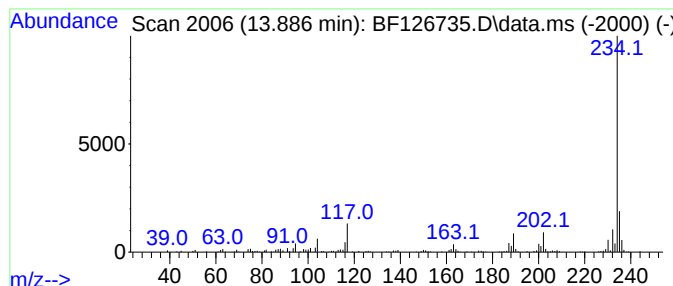
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011822.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Benzo[b]naphtho[2,3-d]thiop... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD		R.T.	
13.886	2.75 ng	396334	Chrysene-d12		14.139	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,3-d]thiophene		234	C16H10S	000243-46-9	97
2	Benzo[b]naphtho[2,1-d]thiophene		234	C16H10S	000239-35-0	95
3	Benzo[b]naphtho[1,2-d]thiophene		234	C16H10S	000205-43-6	87
4	Anthra(2,3-b)thiophene		234	C16H10S	022108-55-0	87
5	1,4-Di-(4'-methylphenyl)buta-1,3...		234	C18H18	1000202-17-5	59



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012822\
Data File : BF126735.D
Acq On : 28 Jan 2022 23:48
Operator : CG/JU
Sample : N1310-01 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-PILE

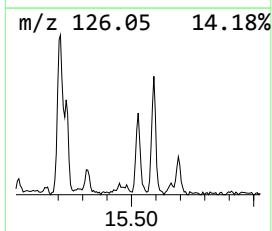
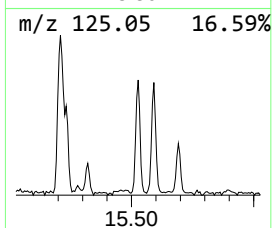
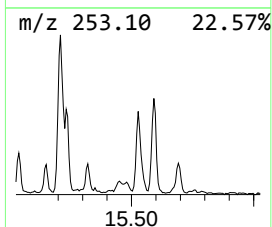
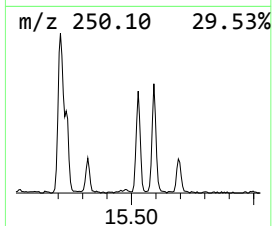
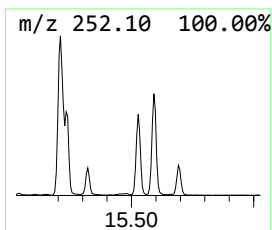
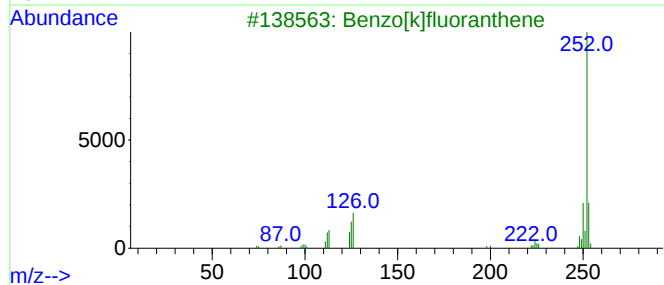
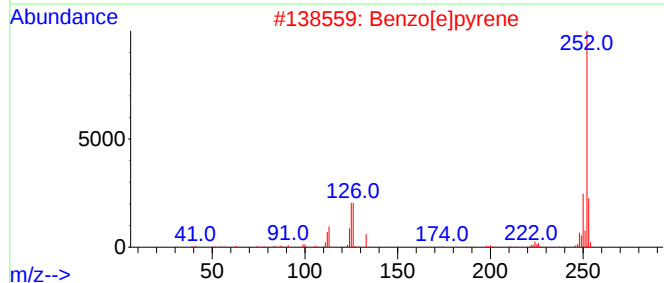
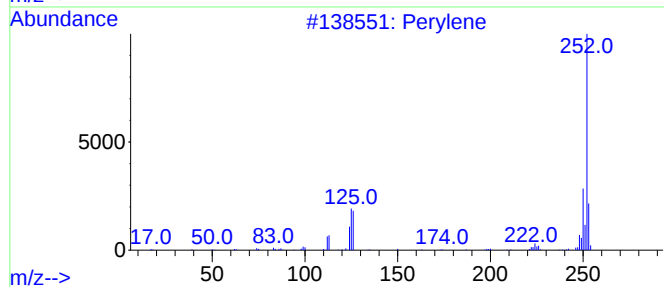
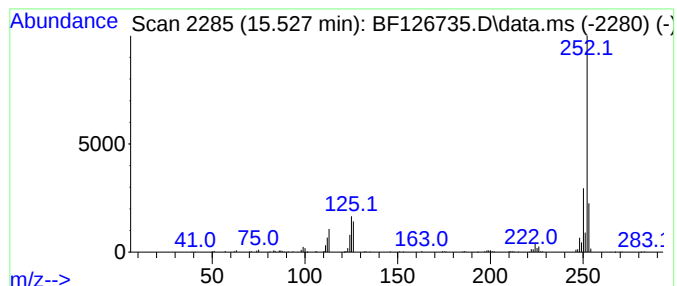
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Perylene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.527	6.56 ng	431216	Perylene-d12	15.662

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Perylene	252	C20H12	000198-55-0	99
2		Benzo[e]pyrene	252	C20H12	000192-97-2	98
3		Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
4		Benzo[j]fluoranthene	252	C20H12	000205-82-3	94
5		Benzo[b]fluoranthene	252	C20H12	000205-99-2	93



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012822\
Data File : BF126735.D
Acq On : 28 Jan 2022 23:48
Operator : CG/JU
Sample : N1310-01 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-PILE

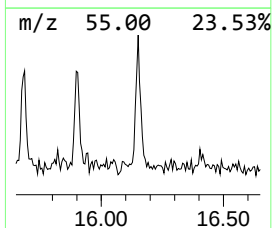
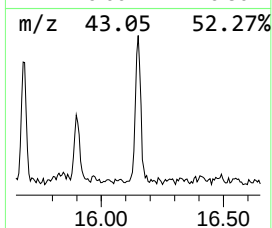
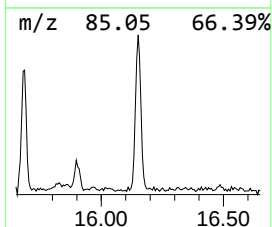
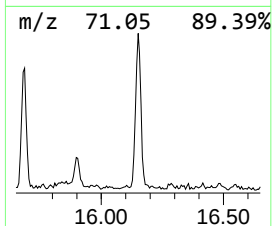
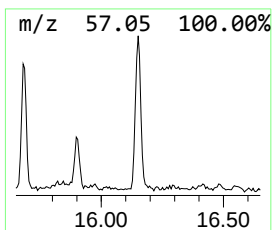
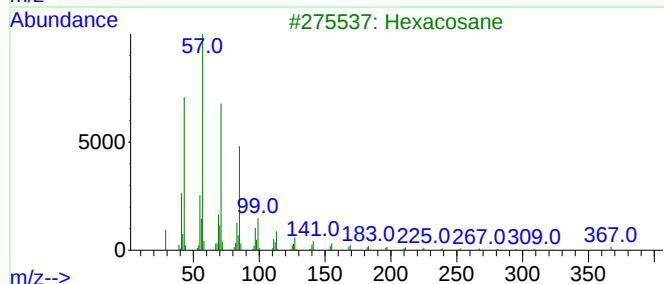
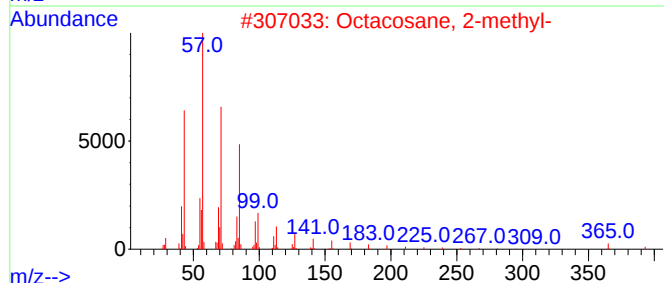
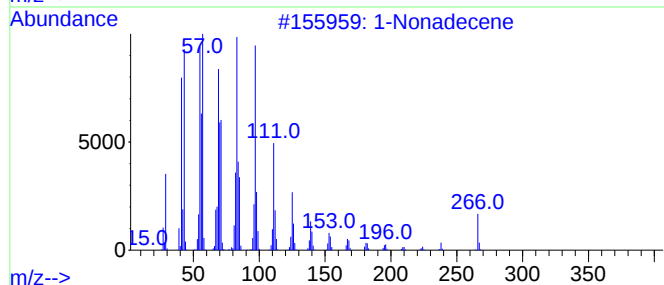
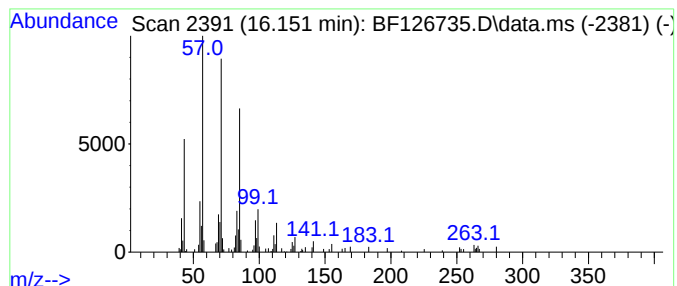
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 1-Nonadecene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.151	4.01 ng	264078	Perylene-d12	15.662

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Nonadecene		266	C19H38	018435-45-5	91
2	Octacosane, 2-methyl-		408	C29H60	001560-98-1	91
3	Hexacosane		366	C26H54	000630-01-3	90
4	Heneicosane		296	C21H44	000629-94-7	90
5	Eicosane, 10-methyl-		296	C21H44	054833-23-7	83



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012822\
Data File : BF126735.D
Acq On : 28 Jan 2022 23:48
Operator : CG/JU
Sample : N1310-01 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-PILE

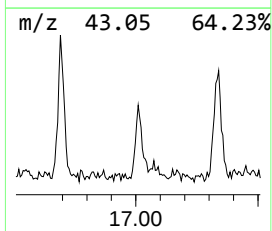
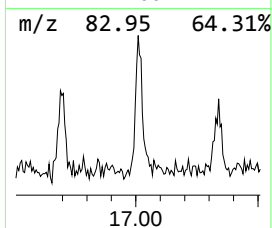
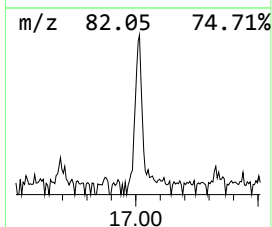
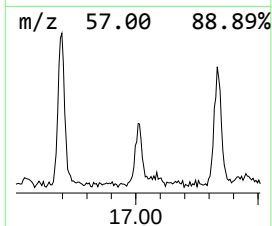
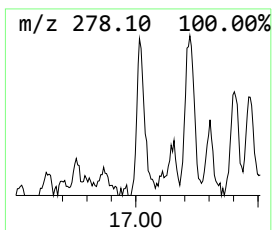
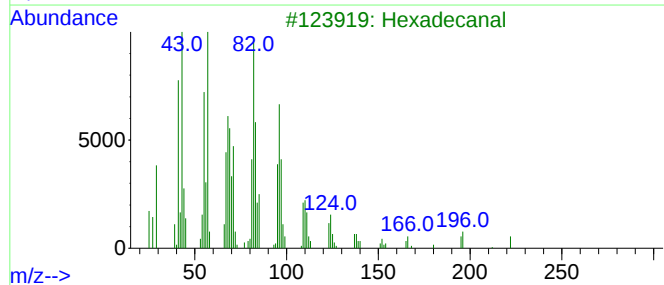
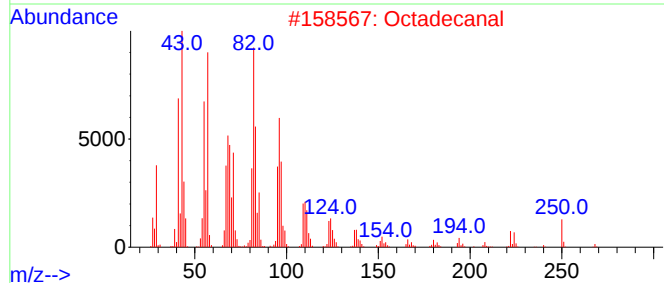
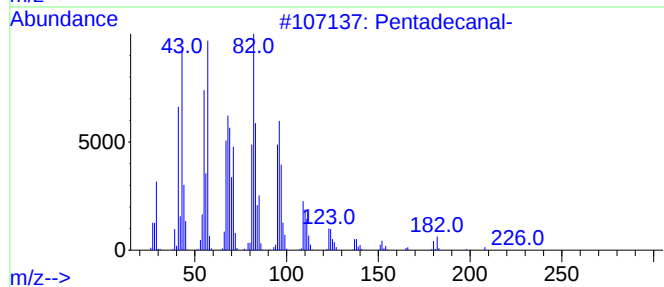
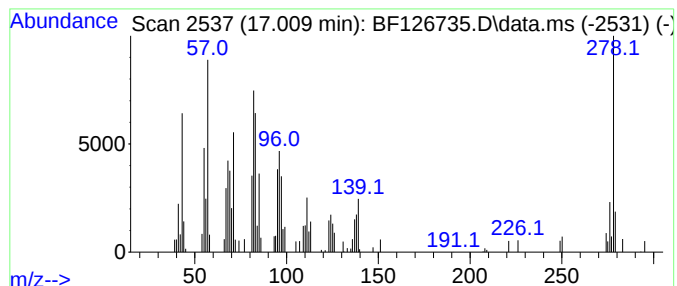
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 unknown17.009 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.009	2.80 ng	184208	Perylene-d12	15.662

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Pentadecanal-	226	C15H30O	002765-11-9	46
2		Octadecanal	268	C18H36O	000638-66-4	43
3		Hexadecanal	240	C16H32O	000629-80-1	43
4		Oxirane, hexadecyl-	268	C18H36O	007390-81-0	43
5		N1-(8-Methyl-8-azabicyclo[3.2.1]...	276	C16H21FN2O	247565-70-4	43



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012822\
 Data File : BF126735.D
 Acq On : 28 Jan 2022 23:48
 Operator : CG/JU
 Sample : N1310-01 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-PILE

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011822.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...	2.252	2.7	ng	147601	1	6.957	1093030	20.0
Naphthalene, 1-...	10.610	2.8	ng	189176	3	9.998	1346230	20.0
[1,1'-Biphenyl]...	10.704	3.0	ng	203122	3	9.998	1346230	20.0
9H-Fluorene, 1-...	11.092	4.7	ng	315301	4	11.492	1342390	20.0
Dibenzothiophene	11.386	6.1	ng	408991	4	11.492	1342390	20.0
Phenanthrene, 2...	11.992	7.3	ng	492686	4	11.492	1342390	20.0
Phenanthrene, 1...	12.022	9.0	ng	602721	4	11.492	1342390	20.0
Anthracene, 2-m...	12.069	3.2	ng	213355	4	11.492	1342390	20.0
4H-Cyclopenta[d...	12.110	17.9	ng	1200470	4	11.492	1342390	20.0
Naphthalene, 2-...	12.286	4.2	ng	282310	4	11.492	1342390	20.0
9,10-Anthracene...	12.310	2.7	ng	181884	4	11.492	1342390	20.0
Phenanthrene, 2...	12.539	3.4	ng	228524	4	11.492	1342390	20.0
Cyclopenta(def)...	12.627	3.4	ng	230086	4	11.492	1342390	20.0
Pyrene, 1-methyl-	13.151	2.6	ng	379201	5	14.139	2886010	20.0
11H-Benzo[b]flu...	13.263	4.3	ng	615641	5	14.139	2886010	20.0
Fluoranthene, 2...	13.333	3.6	ng	515864	5	14.139	2886010	20.0
Benzo[b]naphtho...	13.886	2.8	ng	396334	5	14.139	2886010	20.0
Perylene	15.527	6.6	ng	431216	6	15.662	1315560	20.0
1-Nonadecene	16.151	4.0	ng	264078	6	15.662	1315560	20.0
unknown17.009	17.009	2.8	ng	184208	6	15.662	1315560	20.0