

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051521\
 Data File : BF123944.D
 Acq On : 15 May 2021 14:42
 Operator : JU/CG
 Sample : M2383-03
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 KSB-03(7-9)

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-BF051421.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF123944.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.199	12	19	25	rVB	639848	863222	56.34%	4.859%
2	2.310	33	38	45	rVB3	26000	40066	2.61%	0.226%
3	4.004	322	326	330	rVB	40512	47091	3.07%	0.265%
4	5.134	515	518	522	rVB	30645	32061	2.09%	0.180%
5	5.516	577	583	586	rBV	1414748	1426371	93.09%	8.029%
6	5.757	620	624	630	rVB2	26984	26175	1.71%	0.147%
7	6.522	748	754	757	rBV	1302822	1409998	92.03%	7.936%
8	6.722	785	788	795	rVB3	53329	65207	4.26%	0.367%
9	6.898	815	818	826	rVB	318548	283848	18.53%	1.598%
10	7.463	906	914	917	rBV	1013599	939573	61.32%	5.289%
11	8.186	1031	1037	1039	rBV	393102	399637	26.08%	2.249%
12	8.204	1039	1040	1044	rVB	158677	93215	6.08%	0.525%
13	8.898	1152	1158	1161	rBV	101077	89395	5.83%	0.503%
14	8.992	1171	1174	1179	rBV	63051	57731	3.77%	0.325%
15	9.263	1215	1220	1223	rBV	1876371	1532188	100.00%	8.624%
16	9.528	1261	1265	1269	rVB4	27874	38745	2.53%	0.218%
17	9.598	1272	1277	1279	rBV	45411	42595	2.78%	0.240%
18	9.622	1279	1281	1283	rBV	35705	26147	1.71%	0.147%
19	9.651	1283	1286	1290	rVB	109715	91119	5.95%	0.513%
20	9.798	1308	1311	1314	rBV	53475	35489	2.32%	0.200%
21	9.939	1328	1335	1338	rBV	526399	421264	27.49%	2.371%
22	9.975	1338	1341	1343	rVB2	33210	30952	2.02%	0.174%
23	10.139	1366	1369	1372	rVB2	56366	49692	3.24%	0.280%
24	10.369	1406	1408	1411	rVB2	27887	25060	1.64%	0.141%
25	10.480	1424	1427	1433	rBV2	57993	63688	4.16%	0.358%
26	10.727	1464	1469	1472	rBV	1227243	1031362	67.31%	5.805%
27	10.845	1486	1489	1490	rBV	44622	39112	2.55%	0.220%
28	11.033	1516	1521	1524	rBV4	24633	30996	2.02%	0.174%
29	11.163	1538	1543	1545	rBV5	19456	25513	1.67%	0.144%
30	11.227	1551	1554	1558	rVB2	29048	28634	1.87%	0.161%
31	11.292	1558	1565	1568	rBV5	44551	77897	5.08%	0.438%
32	11.322	1568	1570	1577	rVB2	39213	40101	2.62%	0.226%
33	11.427	1584	1588	1590	rBV	454531	411575	26.86%	2.317%
34	11.451	1590	1592	1595	rVV	493290	360403	23.52%	2.029%
35	11.498	1595	1600	1603	rVB	120977	109866	7.17%	0.618%
36	11.533	1603	1606	1609	rBV3	22210	23700	1.55%	0.133%

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37	11.651	1620	1626	1628	rBV2	35230	41878	2.73%	0.236%
38	11.722	1636	1638	1640	rBV	47245	33116	2.16%	0.186%
39	11.927	1667	1673	1675	rBV	100755	109416	7.14%	0.616%
40	11.951	1675	1677	1682	rVV2	226810	216904	14.16%	1.221%
41	11.998	1682	1685	1689	rVV	43542	54852	3.58%	0.309%
42	12.039	1689	1692	1694	rVV2	123590	142648	9.31%	0.803%
43	12.063	1694	1696	1699	rVB	68923	54524	3.56%	0.307%
44	12.127	1705	1707	1711	rBV	33444	33021	2.16%	0.186%
45	12.221	1720	1723	1725	rBV	59132	55131	3.60%	0.310%
46	12.245	1725	1727	1731	rVB3	34874	33444	2.18%	0.188%
47	12.404	1751	1754	1756	rBV2	28100	23990	1.57%	0.135%
48	12.474	1761	1766	1769	rBV	69521	83074	5.42%	0.468%
49	12.516	1769	1773	1778	rVB5	66866	91863	6.00%	0.517%
50	12.563	1778	1781	1786	rVB5	42983	49771	3.25%	0.280%
51	12.639	1790	1794	1798	rBV	566972	478813	31.25%	2.695%
52	12.733	1808	1810	1812	rBV2	48591	34607	2.26%	0.195%
53	12.869	1827	1833	1836	rBV	512460	521714	34.05%	2.937%
54	12.916	1839	1841	1846	rVB3	26742	36771	2.40%	0.207%
55	12.986	1850	1853	1854	rBV2	34467	28845	1.88%	0.162%
56	13.016	1854	1858	1861	rVV	1394776	1200916	78.38%	6.760%
57	13.086	1865	1870	1873	rBV4	57346	81309	5.31%	0.458%
58	13.174	1882	1885	1886	rBV3	43432	44254	2.89%	0.249%
59	13.198	1886	1889	1891	rVB2	94178	91764	5.99%	0.517%
60	13.263	1895	1900	1902	rBV2	81046	83129	5.43%	0.468%
61	13.298	1902	1906	1909	rBV2	83020	81181	5.30%	0.457%
62	13.392	1920	1922	1924	rVB	45367	35042	2.29%	0.197%
63	13.421	1924	1927	1930	rBV2	57732	47659	3.11%	0.268%
64	13.498	1937	1940	1946	rVB2	64497	72065	4.70%	0.406%
65	13.592	1954	1956	1959	rBV3	26652	27777	1.81%	0.156%
66	13.698	1968	1974	1979	rBV3	42036	76681	5.00%	0.432%
67	13.815	1989	1994	1996	rBV2	49632	66977	4.37%	0.377%
68	13.845	1996	1999	2001	rVV	43936	36790	2.40%	0.207%
69	13.868	2001	2003	2007	rVV2	29901	39909	2.60%	0.225%
70	13.910	2007	2010	2015	rVB	191926	187591	12.24%	1.056%
71	14.068	2031	2037	2039	rBV2	431392	605207	39.50%	3.406%
72	14.092	2039	2041	2047	rVB	275927	250481	16.35%	1.410%
73	14.286	2071	2074	2078	rBV5	34575	42612	2.78%	0.240%
74	14.457	2098	2103	2105	rVV	67189	76443	4.99%	0.430%
75	14.486	2105	2108	2112	rVV2	54564	54450	3.55%	0.306%
76	14.545	2115	2118	2122	rVV4	87991	93481	6.10%	0.526%

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77	14.580	2122	2124	2126	rVV3	40657	45112	2.94%	0.254%
78	14.604	2126	2128	2130	rVB3	41350	35046	2.29%	0.197%
79	14.757	2151	2154	2158	rVV6	19955	34362	2.24%	0.193%
80	15.010	2195	2197	2203	rVB6	24350	38296	2.50%	0.216%
81	15.121	2209	2216	2219	rBV3	209119	370737	24.20%	2.087%
82	15.210	2228	2231	2232	rBV3	34684	34843	2.27%	0.196%
83	15.227	2232	2234	2239	rVB	75353	83789	5.47%	0.472%
84	15.327	2246	2251	2252	rBV5	20850	29289	1.91%	0.165%
85	15.427	2265	2268	2275	rVB	123323	152131	9.93%	0.856%
86	15.492	2275	2279	2284	rBV	190249	225785	14.74%	1.271%
87	15.562	2286	2291	2294	rBV	241102	305740	19.95%	1.721%
88	15.592	2294	2296	2304	rVB3	61189	87754	5.73%	0.494%
89	15.662	2306	2308	2312	rVB5	18034	24909	1.63%	0.140%
90	16.057	2371	2375	2379	rVB3	33163	45110	2.94%	0.254%
91	16.104	2379	2383	2385	rBV5	27614	38710	2.53%	0.218%
92	16.304	2412	2417	2423	rVB9	19899	39437	2.57%	0.222%
93	16.580	2459	2464	2465	rBV5	15692	24320	1.59%	0.137%
94	16.751	2489	2493	2500	rVB10	23684	47483	3.10%	0.267%
95	16.880	2513	2515	2521	rVB6	20079	33362	2.18%	0.188%
96	17.051	2540	2544	2553	rVB3	78773	148775	9.71%	0.837%
97	17.292	2580	2585	2591	rBV10	18154	33991	2.22%	0.191%
98	17.503	2616	2621	2631	rVB2	47241	105724	6.90%	0.595%
99	17.680	2647	2651	2657	rVB9	13636	27019	1.76%	0.152%
100	17.739	2659	2661	2669	rVB8	13087	24744	1.61%	0.139%

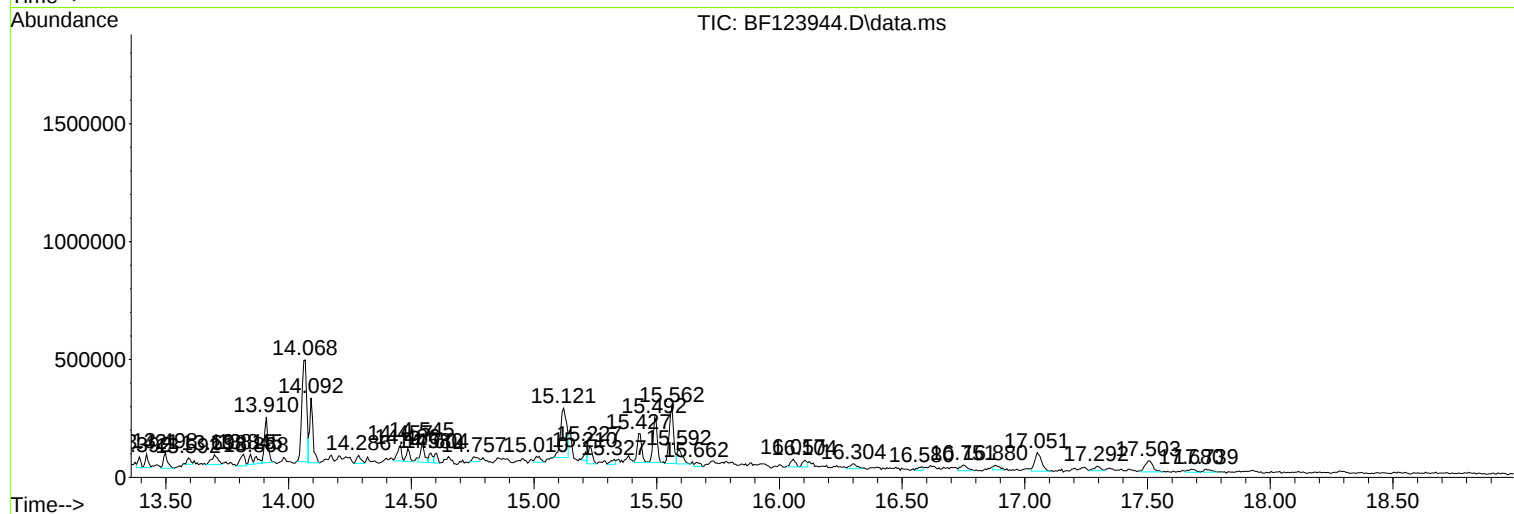
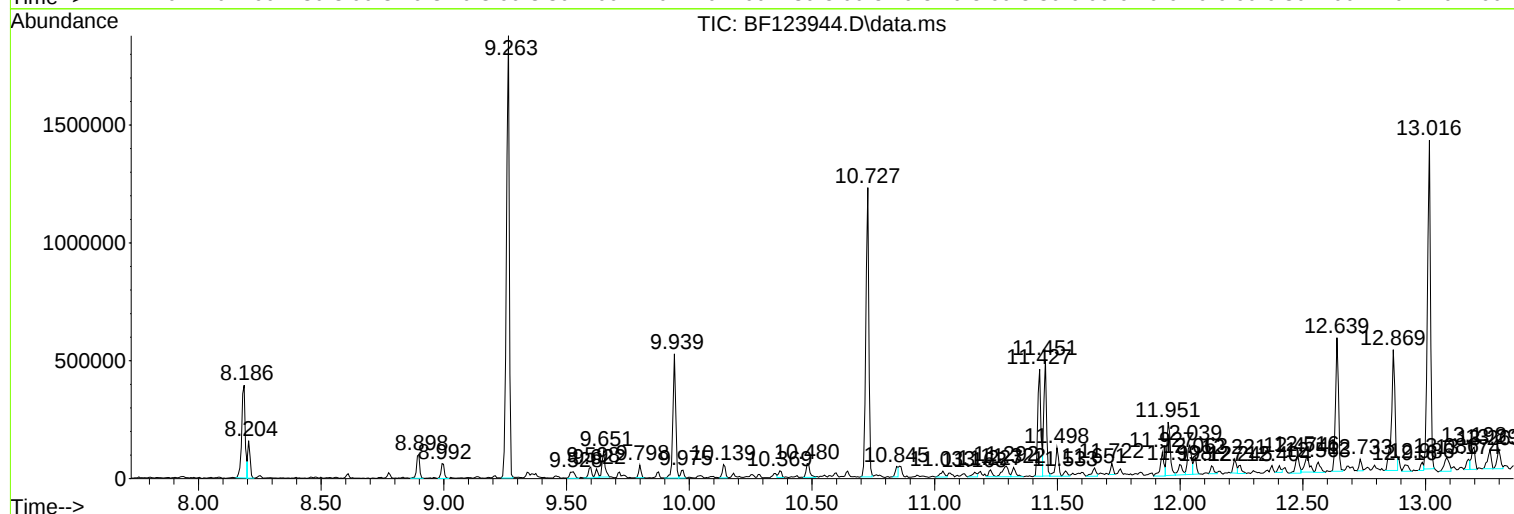
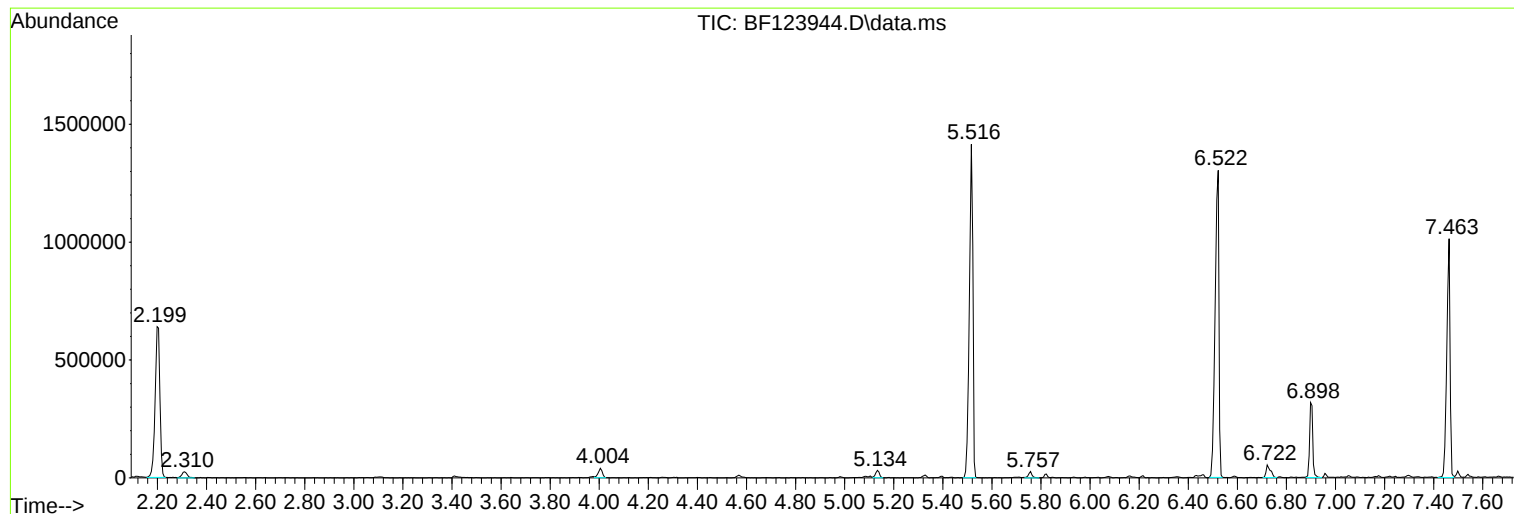
Sum of corrected areas: 17766256

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Instrument :
BNA_F
ClientSampled :
KSB-03(7-9)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



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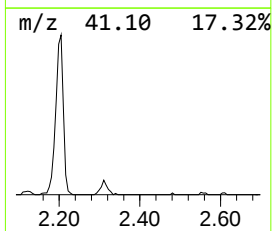
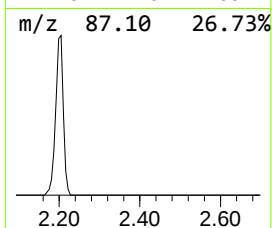
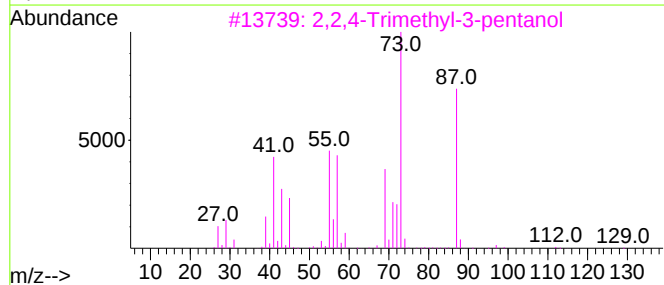
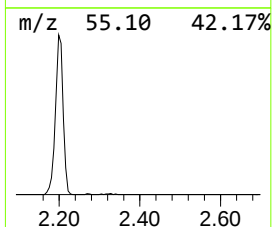
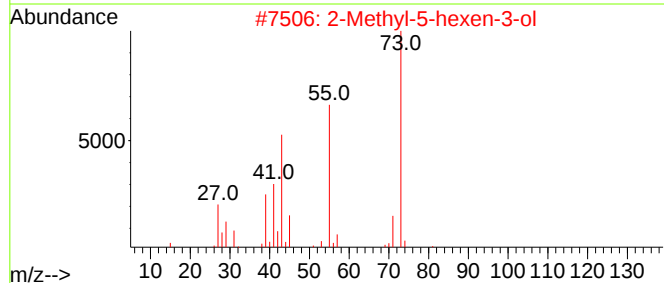
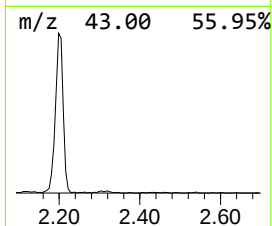
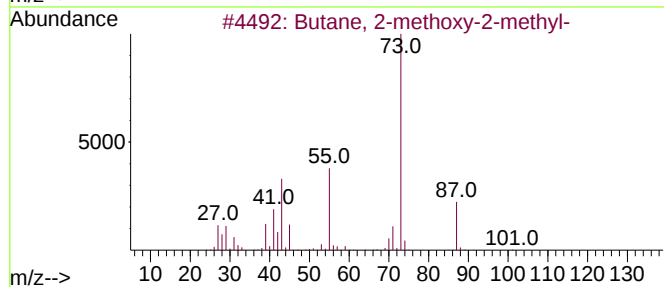
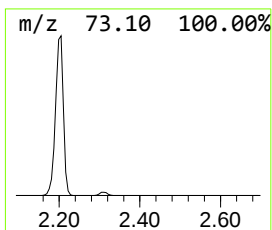
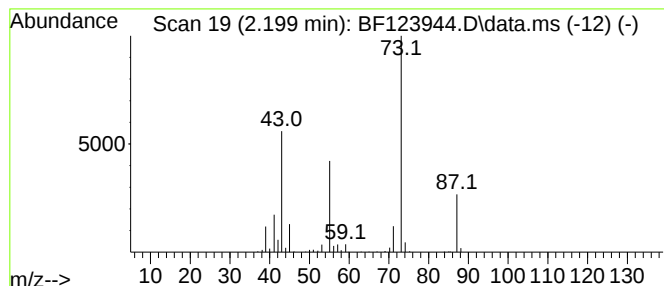
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.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.
2.199	60.82 ng	863222	1,4-Dichlorobenzene-d4	6.904

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2			2-Methyl-5-hexen-3-ol	114	C7H14O	032815-70-6	47
3			2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	38
4			4-Penten-2-ol, acetate	128	C7H12O2	1000352-31-5	10
5			1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	9



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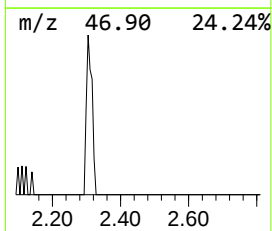
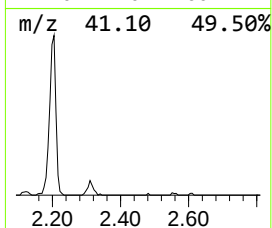
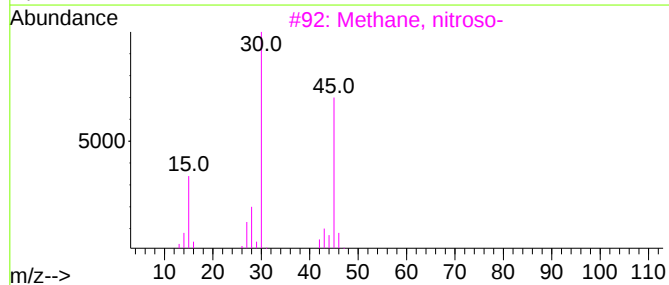
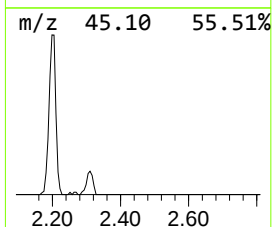
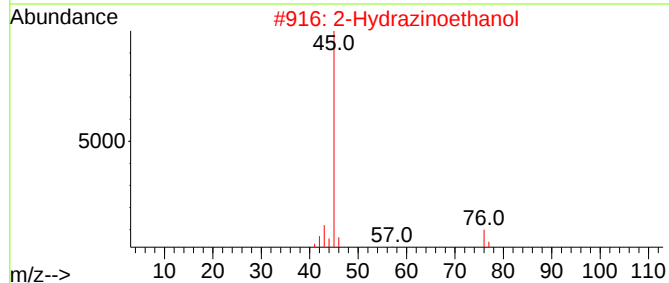
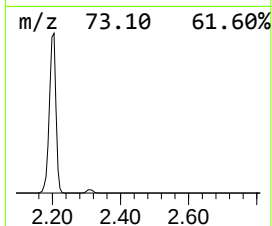
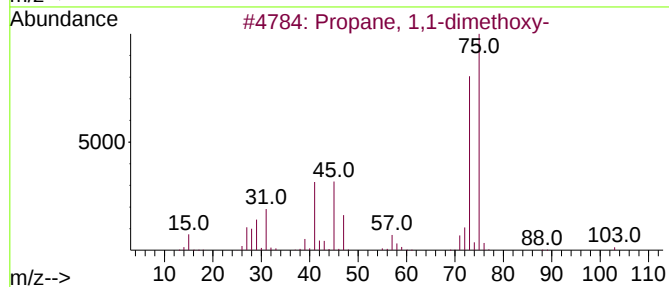
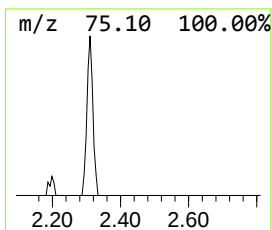
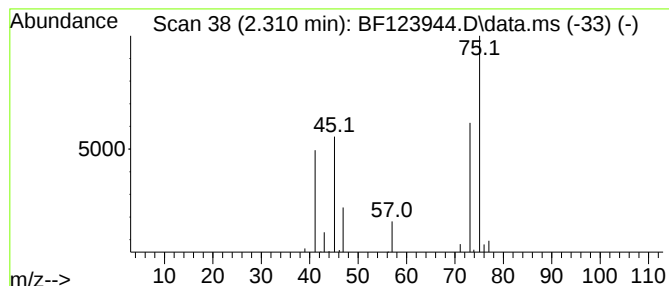
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 unknown2.310 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.310	2.82 ng	40066	1,4-Dichlorobenzene-d4	6.904

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Propane, 1,1-dimethoxy-	104	C5H12O2	004744-10-9	28
2		2-Hydrazinoethanol	76	C2H8N2O	000109-84-2	10
3		Methane, nitroso-	45	CH3NO	000865-40-7	9
4		3-Nitropropanoic acid	119	C3H5NO4	000504-88-1	9
5		1,3-Dioxolane, 2-(1,1-dimethylet...	130	C7H14O2	002568-29-8	9



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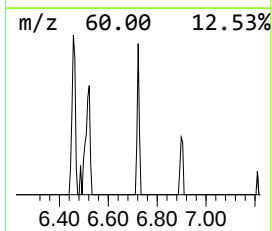
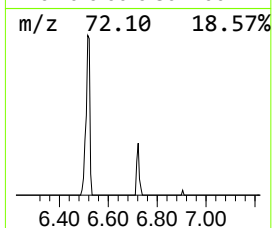
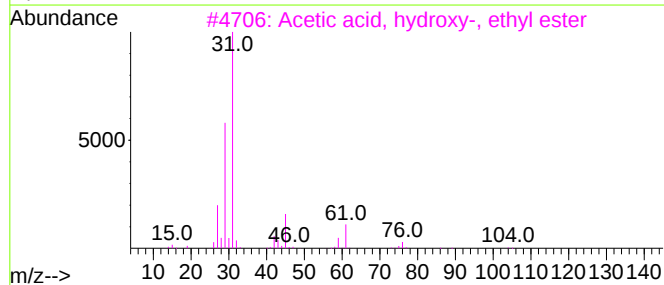
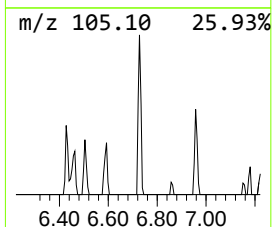
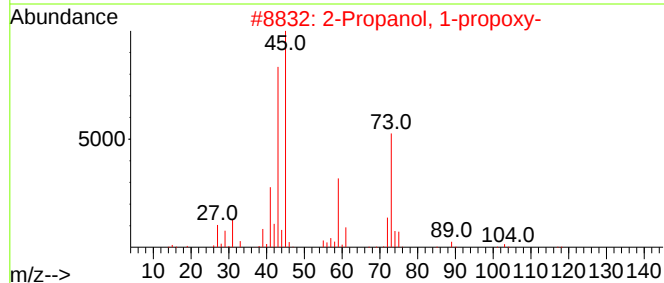
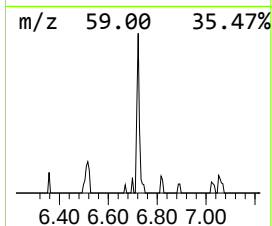
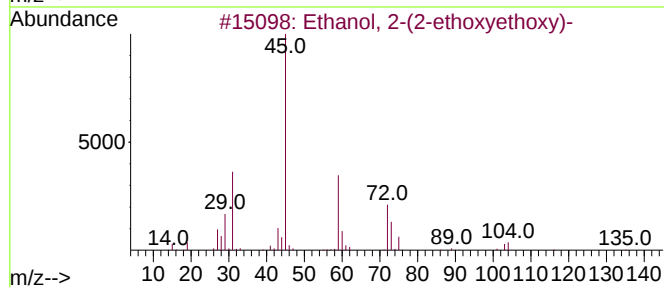
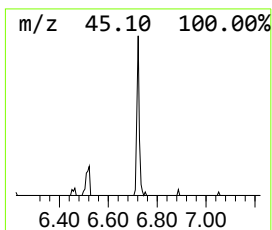
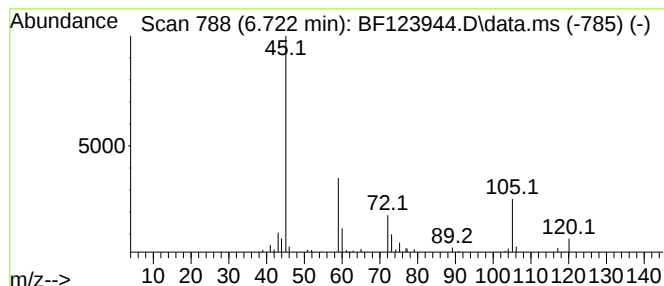
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Ethanol, 2-(2-ethoxyethoxy)- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.722	4.59 ng	65207	1,4-Dichlorobenzene-d4	6.904

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Ethanol, 2-(2-ethoxyethoxy)-	134	C6H14O3	000111-90-0	59
2			2-Propanol, 1-propoxy-	118	C6H14O2	001569-01-3	40
3			Acetic acid, hydroxy-, ethyl ester	104	C4H8O3	000623-50-7	28
4			Carbonic acid, ethyl-, methyl ester	104	C4H8O3	000623-53-0	28
5			Methoxyacetic acid, 2-methylprop...	146	C7H14O3	1000282-40-9	25



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051521\
Data File : BF123944.D
Acq On : 15 May 2021 14:42
Operator : JU/CG
Sample : M2383-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
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ClientSampleId :
KSB-03(7-9)

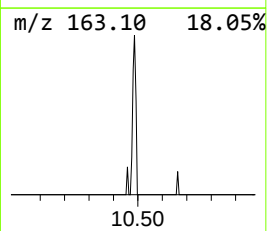
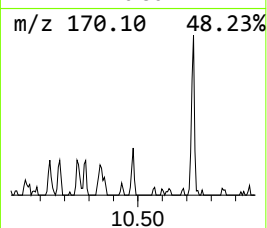
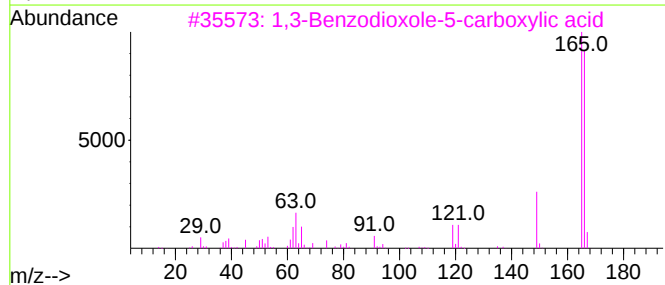
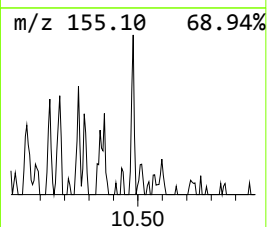
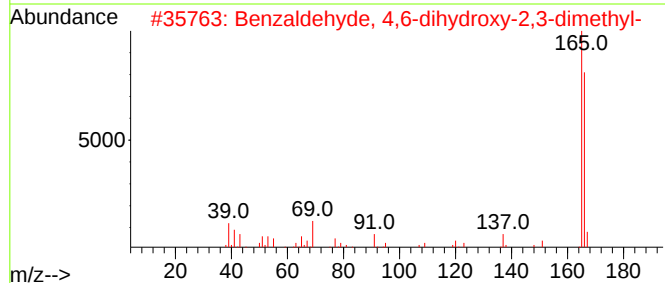
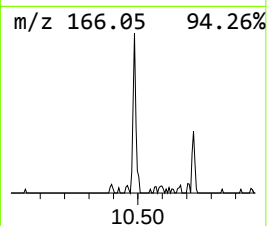
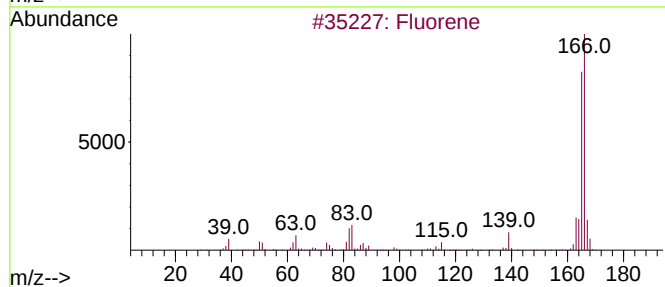
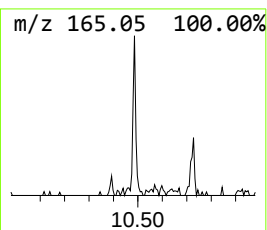
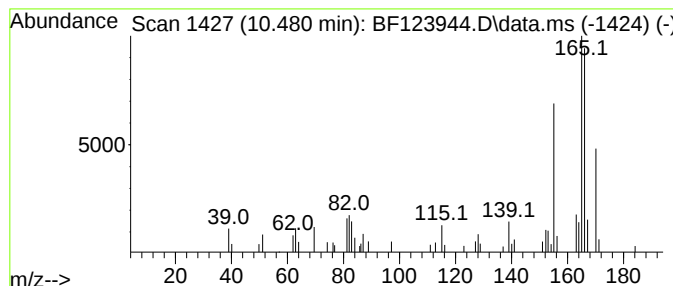
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 unknown10.480 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.480	3.02 ng	63688	Acenaphthene-d10	9.939

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Fluorene	166	C13H10	000086-73-7	64
2			Benzaldehyde, 4,6-dihydroxy-2,3-...	166	C9H10O3	002990-31-0	43
3			1,3-Benzodioxole-5-carboxylic acid	166	C8H6O4	000094-53-1	43
4			1H-Benzimidazole, 5-chloro-2-met...	166	C8H7ClN2	002818-69-1	22
5			2,5-Cyclohexadiene-1,4-dione, 2,...	166	C8H10N2O2	075083-35-1	18



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051521\
Data File : BF123944.D
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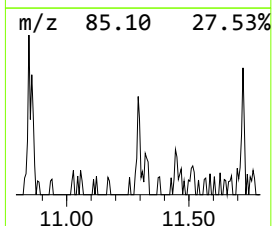
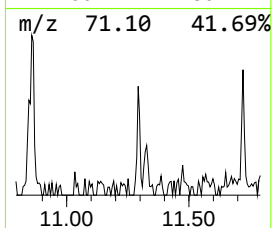
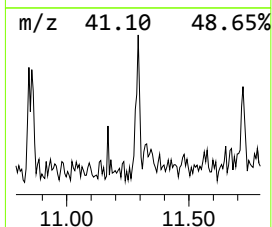
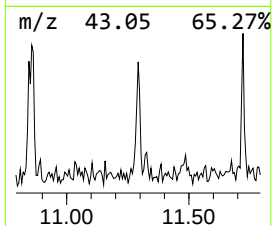
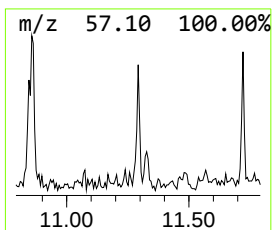
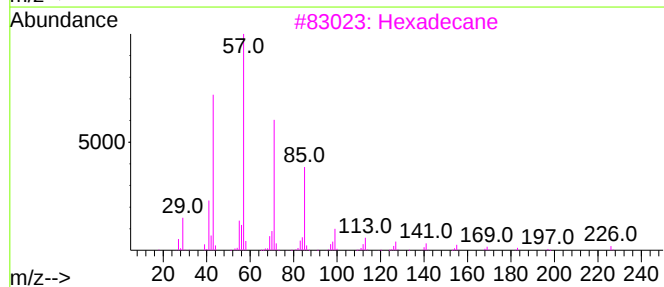
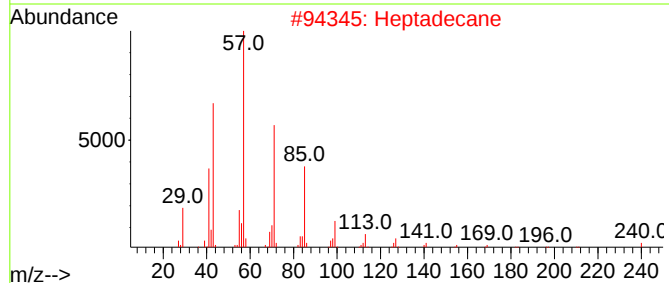
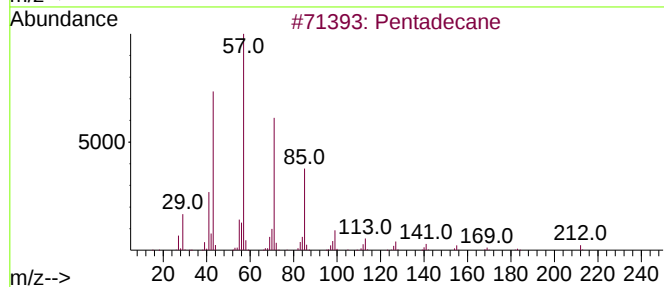
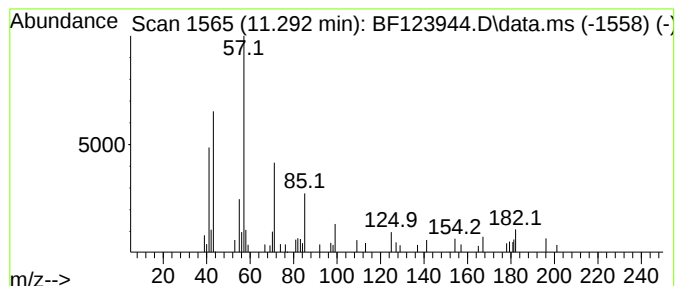
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 Pentadecane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.292	3.79 ng	77897	Phenanthrene-d10	11.427

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentadecane	212	C15H32	000629-62-9	52
2			Heptadecane	240	C17H36	000629-78-7	50
3			Hexadecane	226	C16H34	000544-76-3	50
4			Eicosane, 10-methyl-	296	C21H44	054833-23-7	49
5			Silane, trichlorooctadecyl-	386	C18H37Cl3Si	000112-04-9	49



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051521\
Data File : BF123944.D
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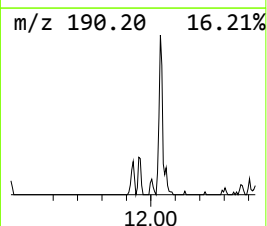
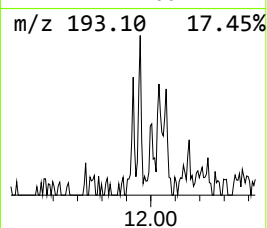
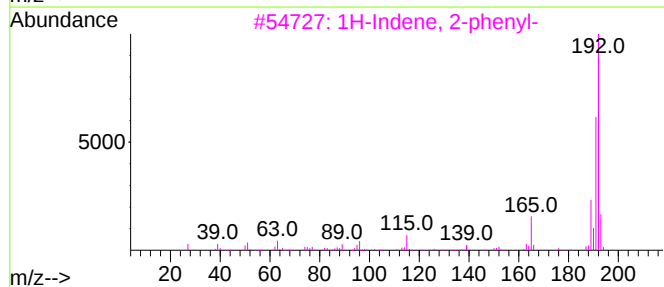
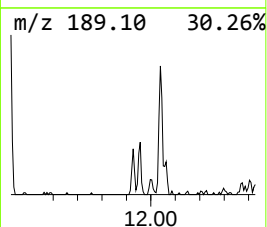
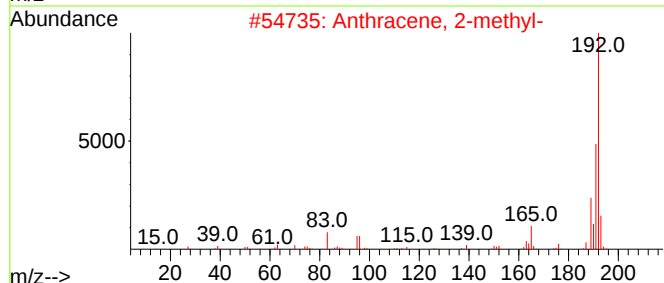
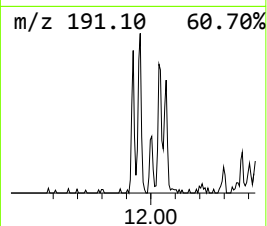
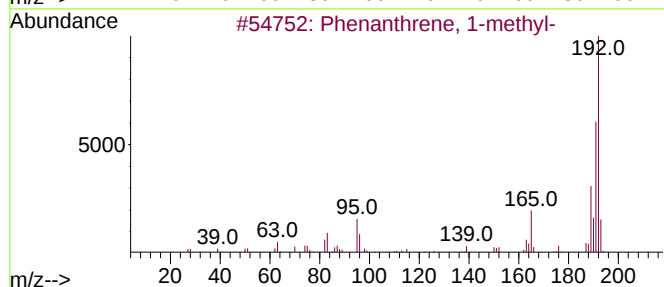
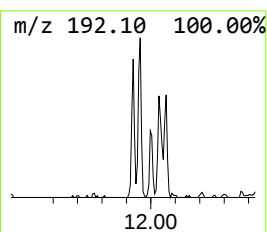
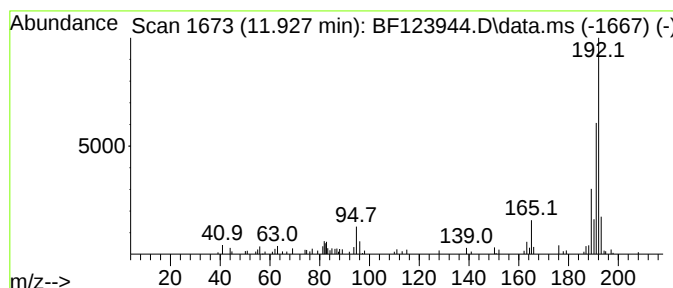
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.927	5.32 ng	109416	Phenanthrene-d10	11.427	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94
4	1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	94
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051521\
Data File : BF123944.D
Acq On : 15 May 2021 14:42
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Sample : M2383-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

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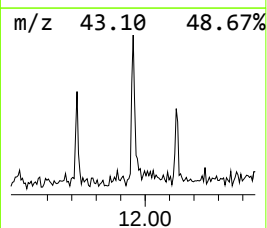
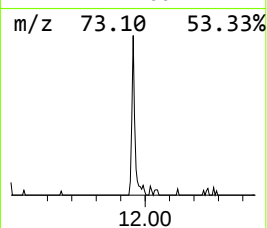
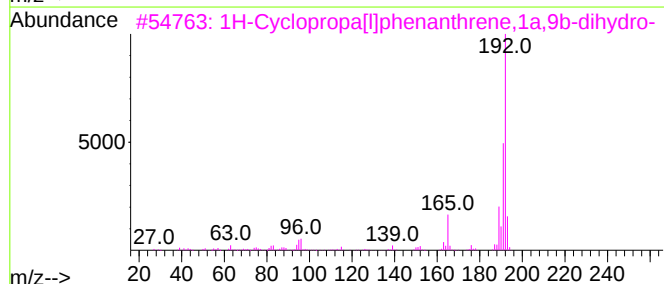
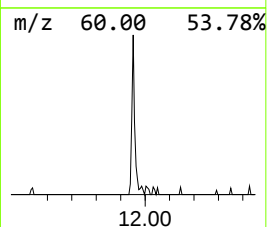
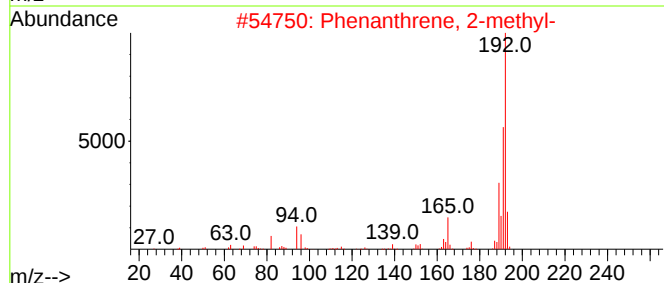
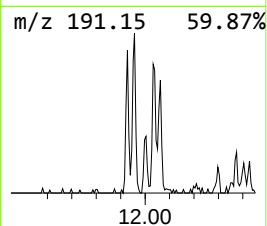
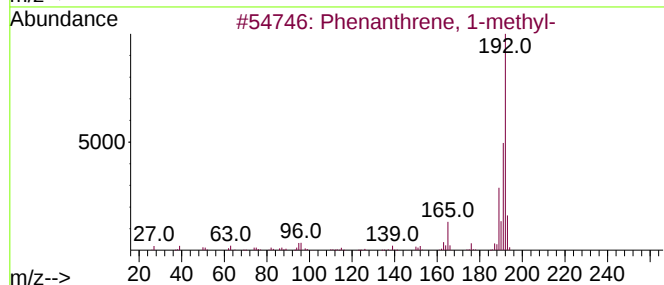
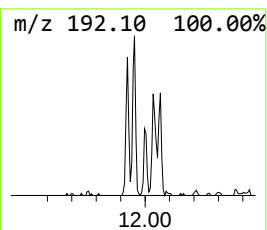
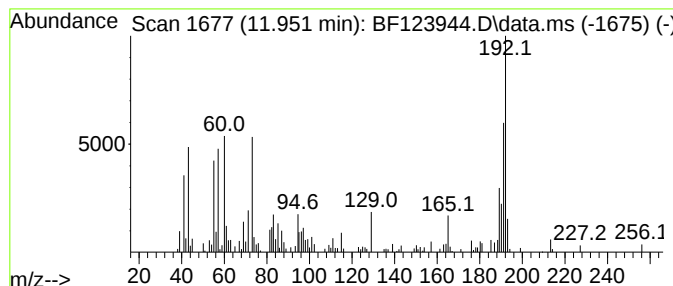
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.951	10.54 ng	216904	Phenanthrene-d10	11.427

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
2			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	92
3			1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	91
4			Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
5			Anthracene, 1-methyl-	192	C15H12	000610-48-0	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051521\
Data File : BF123944.D
Acq On : 15 May 2021 14:42
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ALS Vial : 11 Sample Multiplier: 1

Instrument :
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ClientSampleId :
KSB-03(7-9)

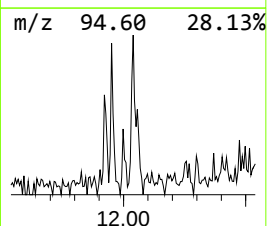
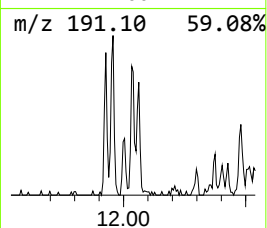
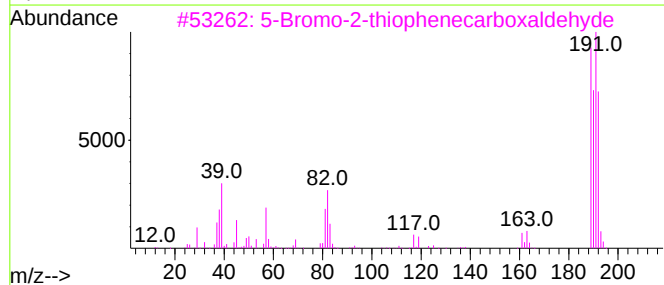
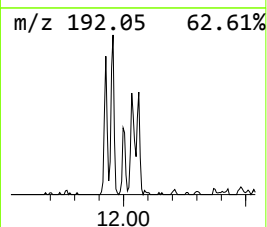
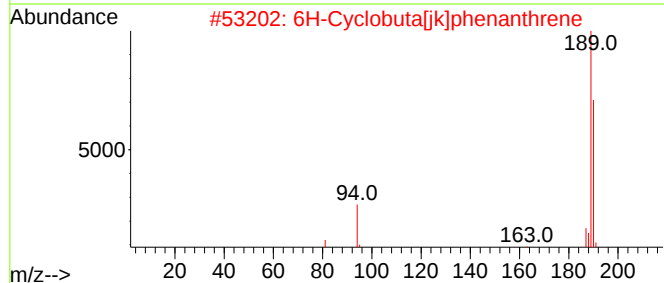
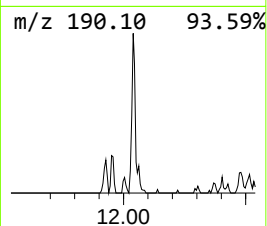
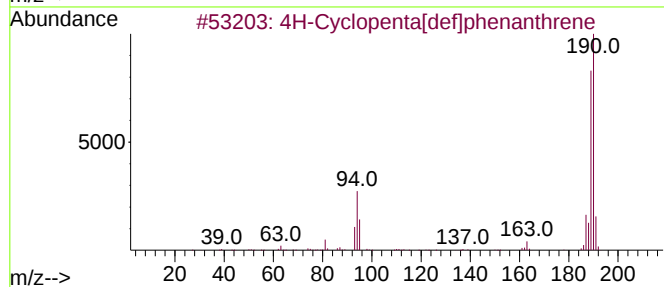
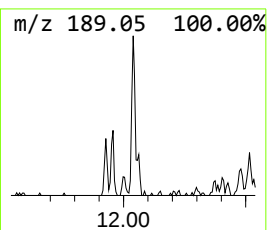
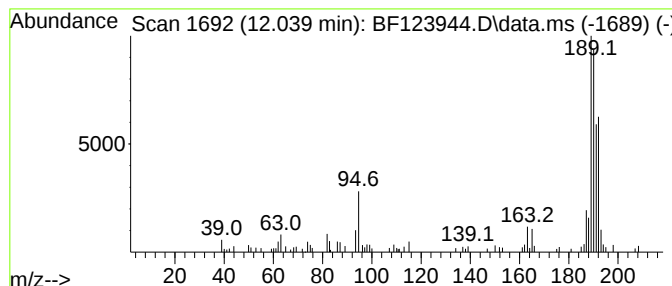
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.039	6.93 ng	142648	Phenanthrene-d10	11.427

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2			6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	58
3			5-Bromo-2-thiophenecarboxaldehyde	190	C5H3BrOS	004701-17-1	53
4			Benzene, 1,1'-(1,2-propadienylid...	192	C15H12	014251-57-1	35
5			5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	18



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051521\
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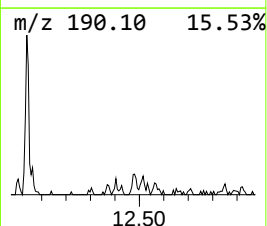
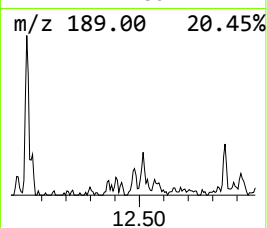
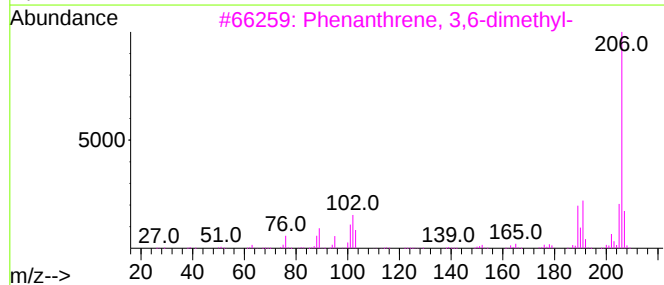
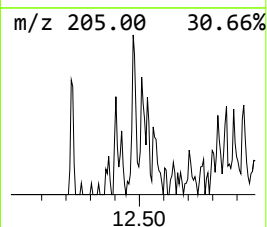
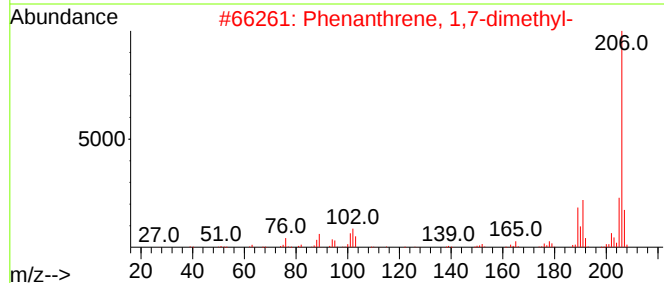
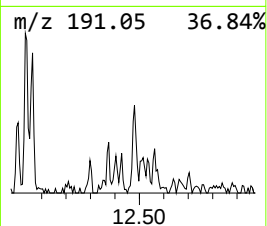
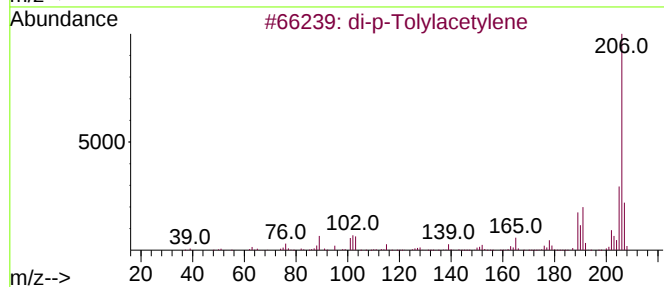
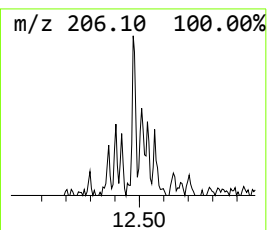
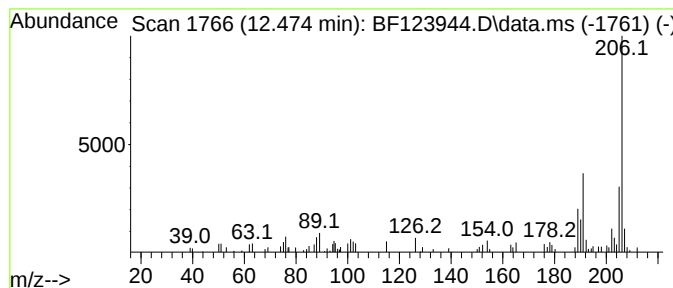
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 di-p-Tolylacetylene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.474	4.04 ng	83074	Phenanthrene-d10	11.427

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			di-p-Tolylacetylene	206	C16H14	002789-88-0	91
2			Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	91
3			Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87
4			Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	86
5			Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	83



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051521\
Data File : BF123944.D
Acq On : 15 May 2021 14:42
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ALS Vial : 11 Sample Multiplier: 1

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ClientSampleId :
KSB-03(7-9)

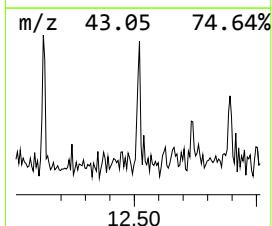
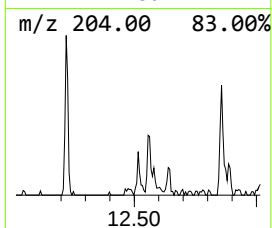
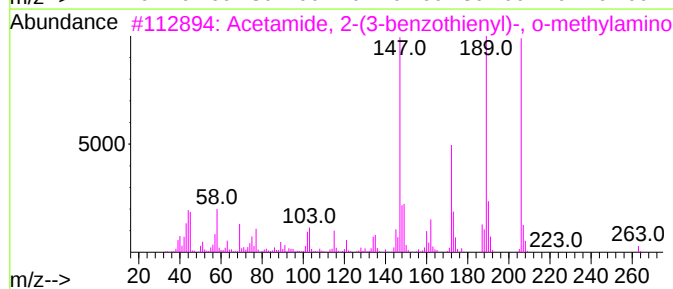
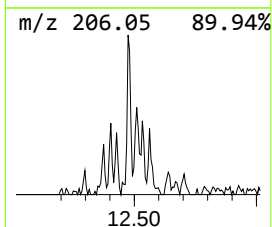
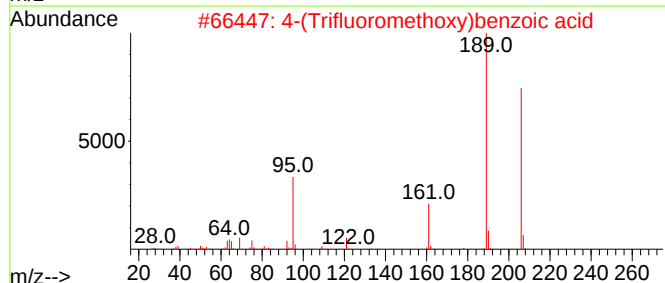
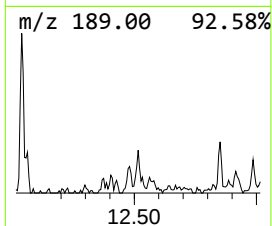
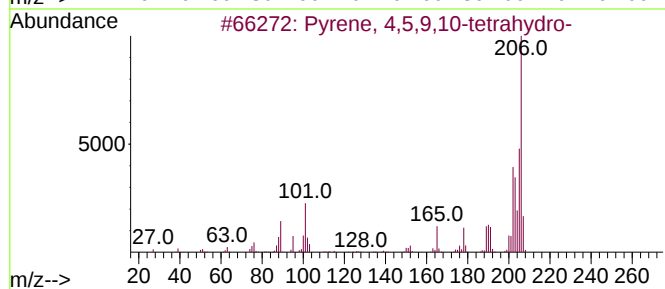
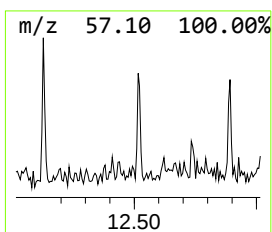
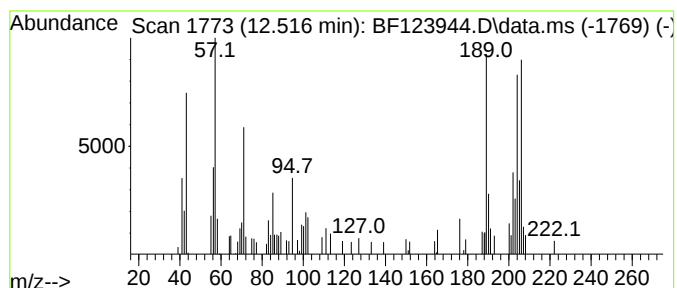
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 unknown12.516 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.516	4.46 ng	91863	Phenanthrene-d10	11.427

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	38
2			4-(Trifluoromethoxy)benzoic acid	206	C8H5F3O3	000330-12-1	38
3			Acetamide, 2-(3-benzothienyl)-, ...	263	C12H13N3O2S	1000270-74-8	38
4			m-Trifluoromethoxybenzoic acid	206	C8H5F3O3	001014-81-9	35
5			Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	25



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051521\
Data File : BF123944.D
Acq On : 15 May 2021 14:42
Operator : JU/CG
Sample : M2383-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

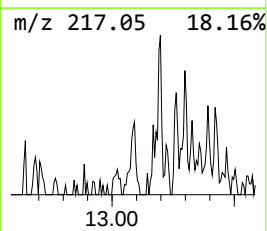
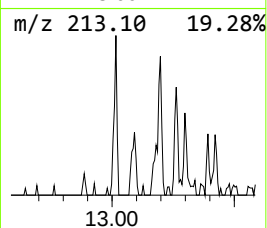
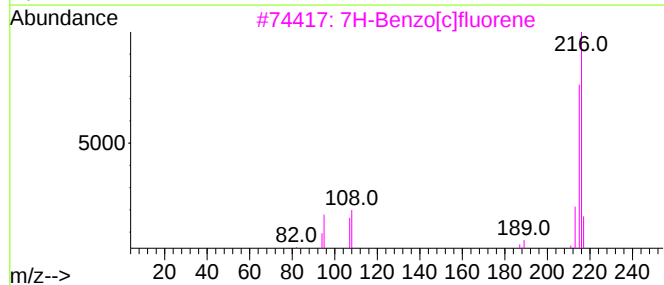
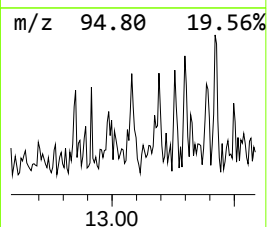
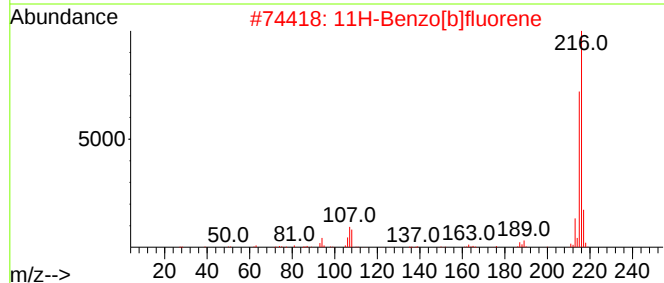
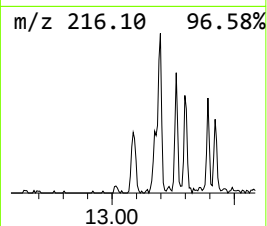
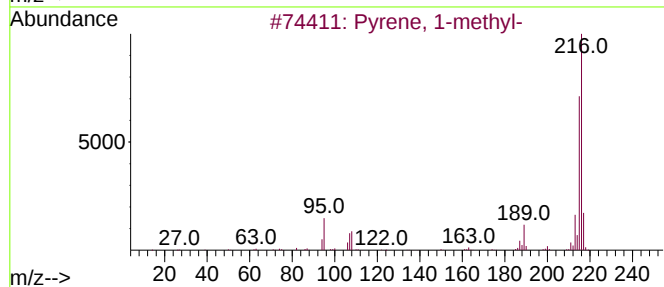
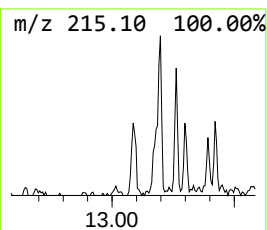
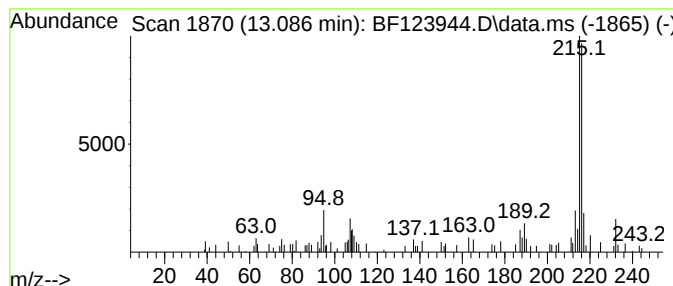
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ClientSampleId :
KSB-03(7-9)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 12 Pyrene, 1-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD		R.T.	
13.086	2.69 ng	81309	Chrysene-d12		14.068	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-		216	C17H12	002381-21-7	93
2	11H-Benzo[b]fluorene		216	C17H12	000243-17-4	81
3	7H-Benzo[c]fluorene		216	C17H12	000205-12-9	76
4	Fluoranthene, 2-methyl-		216	C17H12	033543-31-6	76
5	Pyrene, 2-methyl-		216	C17H12	003442-78-2	70



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051521\
Data File : BF123944.D
Acq On : 15 May 2021 14:42
Operator : JU/CG
Sample : M2383-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
KSB-03(7-9)

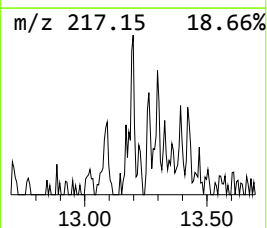
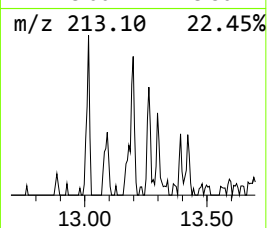
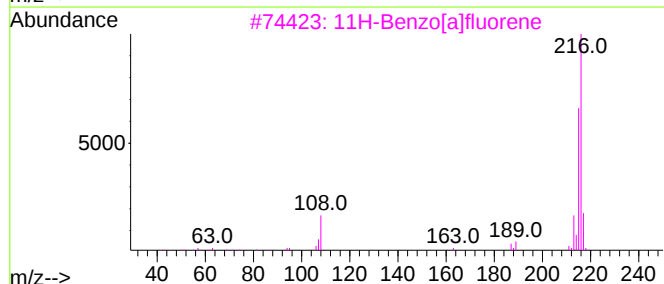
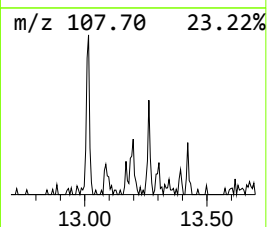
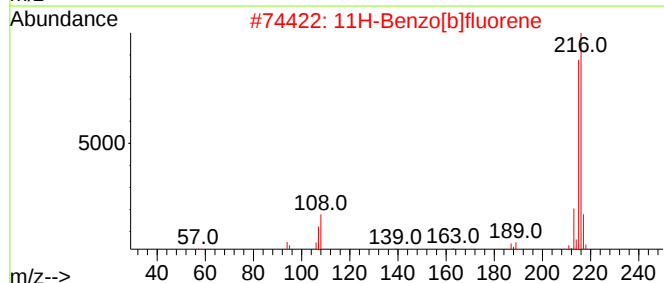
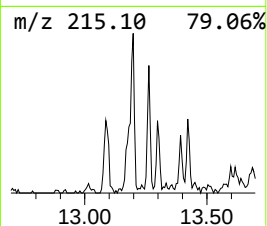
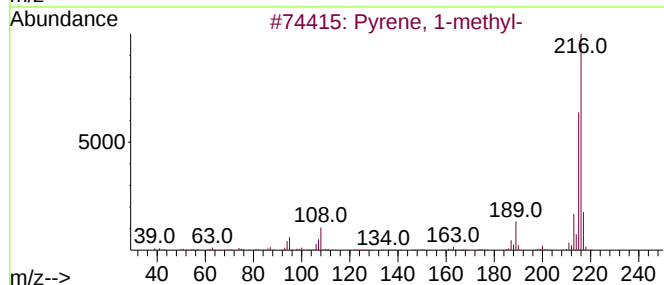
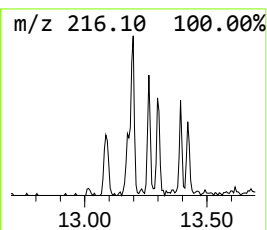
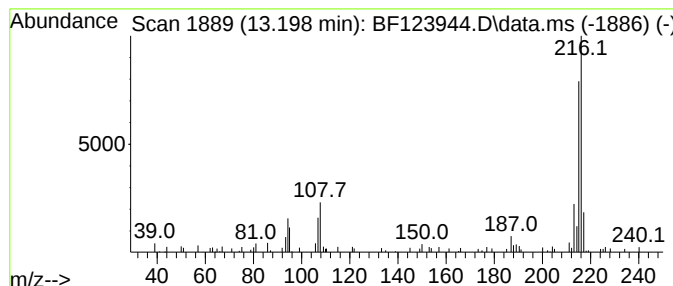
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 13 11H-Benzo[b]fluorene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.198	3.03 ng	91764	Chrysene-d12	14.068

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2			11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
3			11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
4			Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81
5			7H-Benzo[c]fluorene	216	C17H12	000205-12-9	74



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051521\
Data File : BF123944.D
Acq On : 15 May 2021 14:42
Operator : JU/CG
Sample : M2383-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
KSB-03(7-9)

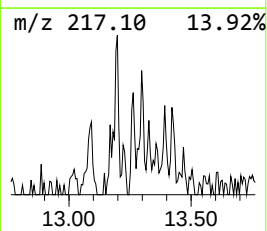
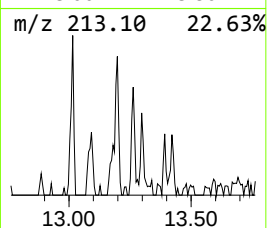
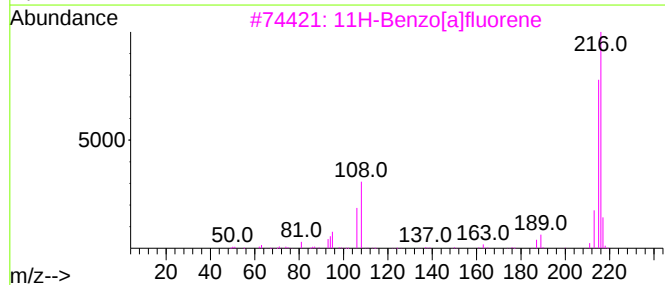
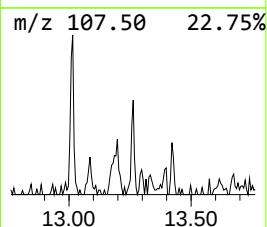
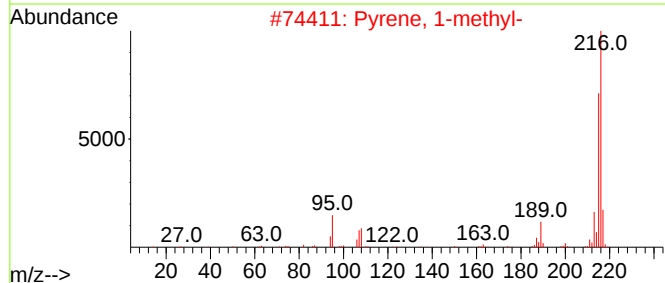
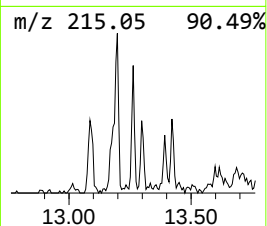
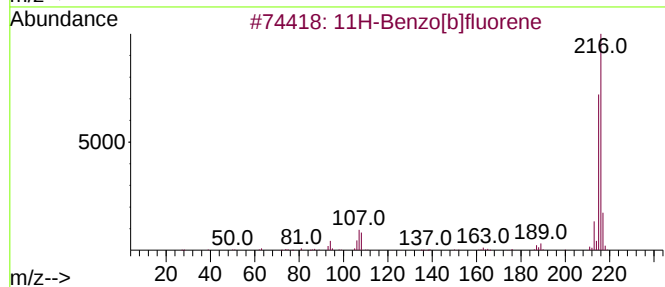
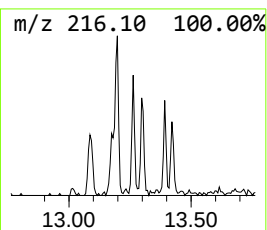
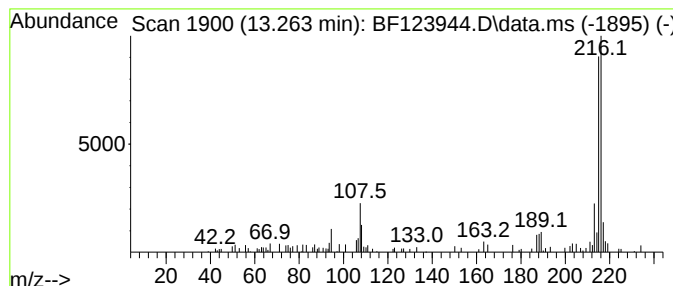
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 14 11H-Benzo[a]fluorene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.263	2.75 ng	83129	Chrysene-d12	14.068

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2			Pyrene, 1-methyl-	216	C17H12	002381-21-7	81
3			11H-Benzo[a]fluorene	216	C17H12	000238-84-6	76
4			Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	76
5			Pyrene, 2-methyl-	216	C17H12	003442-78-2	68



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051521\
Data File : BF123944.D
Acq On : 15 May 2021 14:42
Operator : JU/CG
Sample : M2383-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
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ClientSampleId :
KSB-03(7-9)

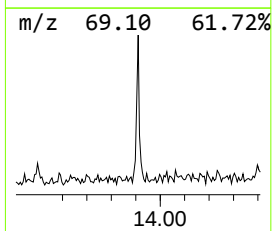
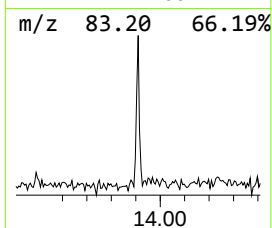
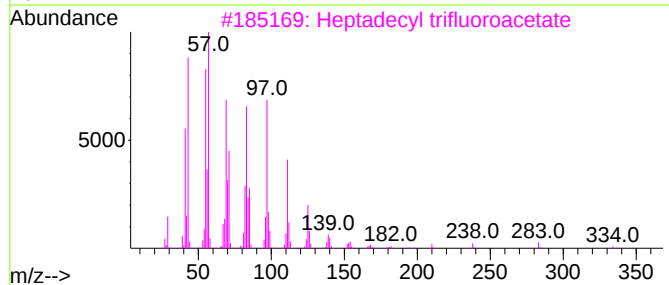
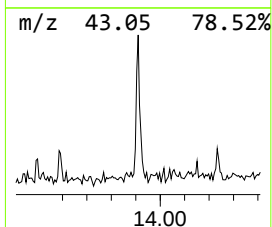
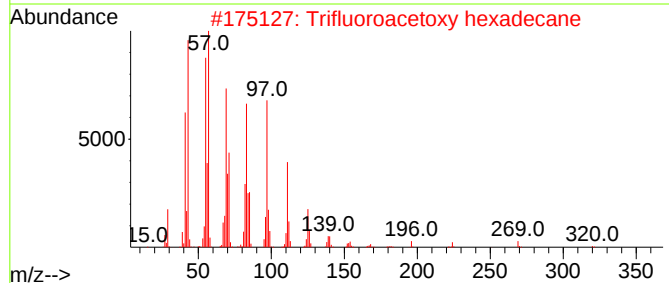
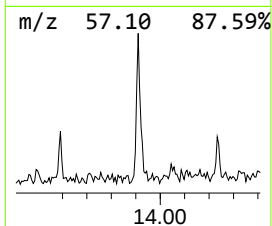
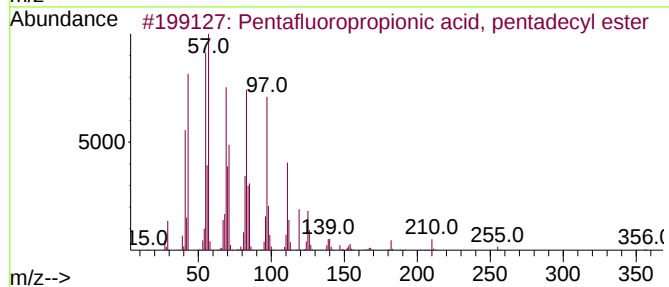
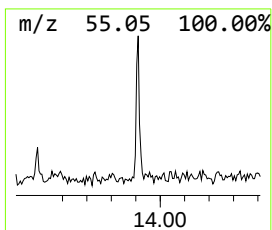
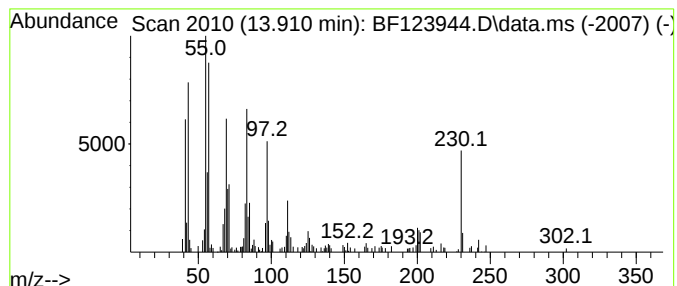
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 15 Pentafluoropropionic acid, ... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.910	6.20 ng	187591	Chrysene-d12	14.068

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentafluoropropionic acid, penta...	374	C18H31F5O2	959092-08-1	60
2			Trifluoroacetoxy hexadecane	338	C18H33F3O2	006222-03-3	60
3			Heptadecyl trifluoroacetate	352	C19H35F3O2	1000351-87-0	60
4			n-Tetracosanol-1	354	C24H50O	000506-51-4	60
5			Heptafluorobutyric acid, pentade...	424	C19H31F7O2	959261-23-5	60



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051521\
Data File : BF123944.D
Acq On : 15 May 2021 14:42
Operator : JU/CG
Sample : M2383-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
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ClientSampleId :
KSB-03(7-9)

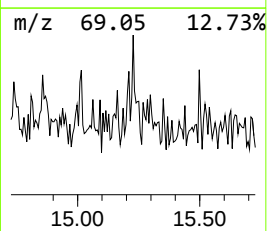
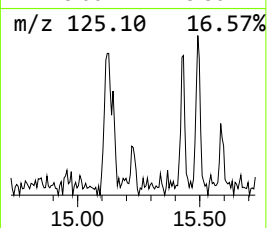
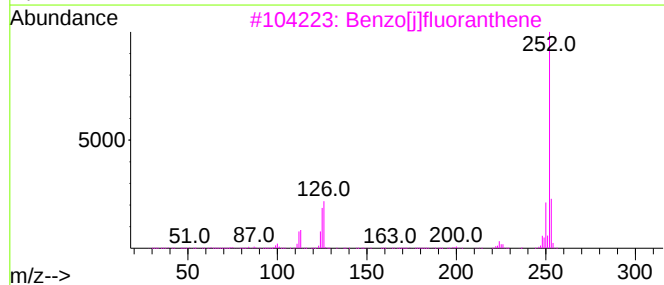
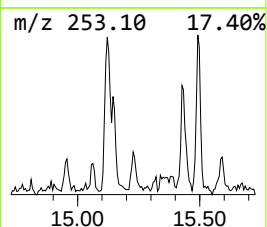
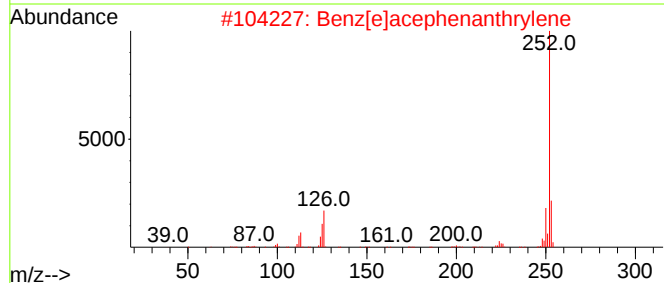
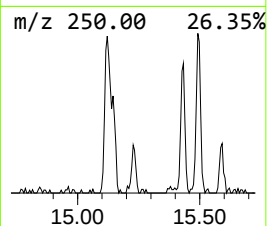
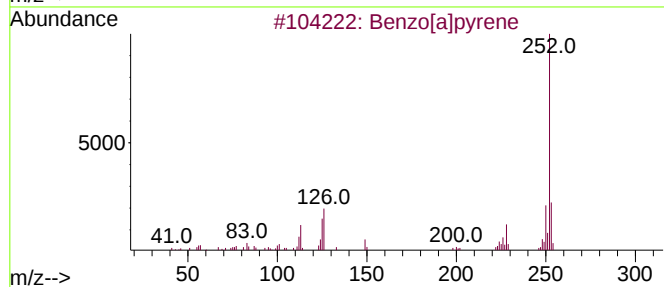
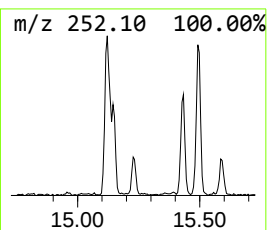
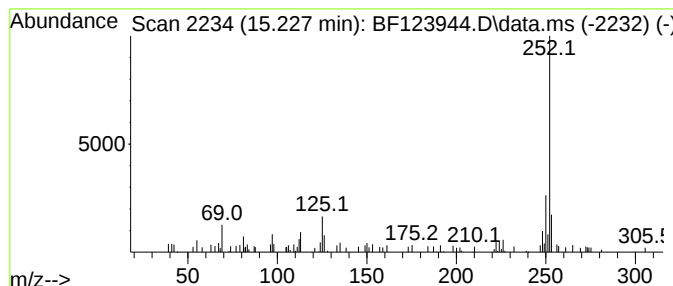
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 17 Benzo[j]fluoranthene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.227	5.48 ng	83789	Perylene-d12	15.562

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzo[a]pyrene	252	C20H12	000050-32-8	90
2		Benz[e]acephenanthrylene	252	C20H12	000205-99-2	81
3		Benzo[j]fluoranthene	252	C20H12	000205-82-3	76
4		Benzo[e]pyrene	252	C20H12	000192-97-2	76
5		Benzo[k]fluoranthene	252	C20H12	000207-08-9	72



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051521\
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Misc :
ALS Vial : 11 Sample Multiplier: 1

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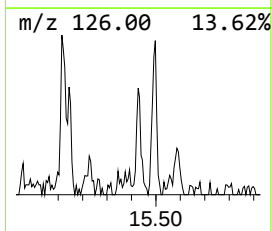
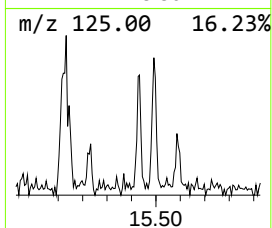
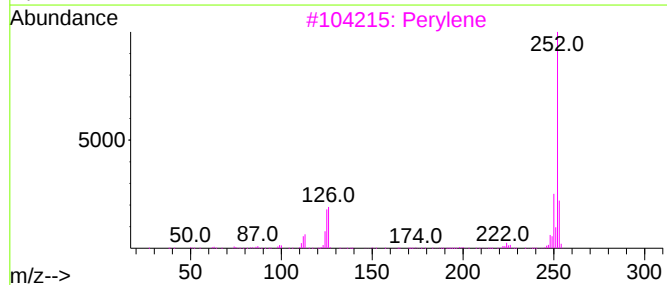
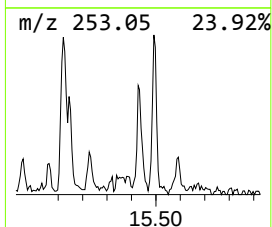
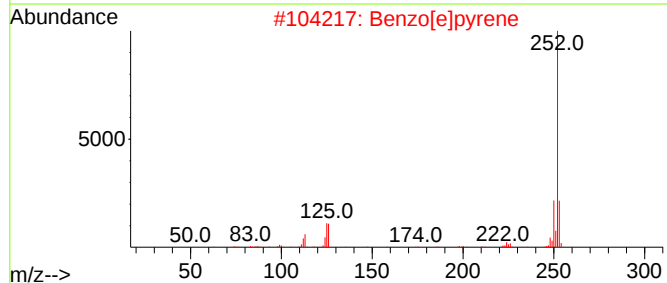
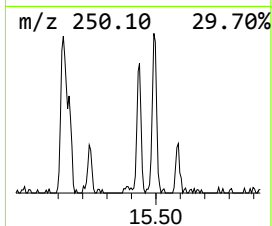
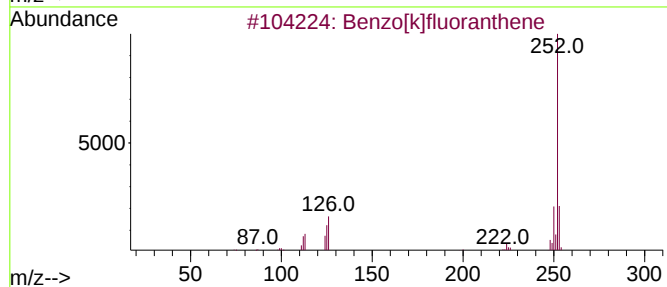
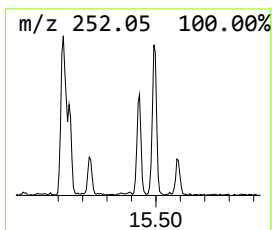
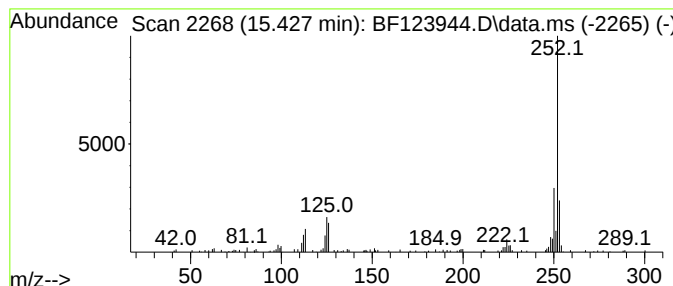
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 18 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.427	9.95 ng	152131	Perylene-d12	15.562

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
2		Benzo[e]pyrene	252	C20H12	000192-97-2	96
3		Perylene	252	C20H12	000198-55-0	95
4		Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
5		Benzo[a]pyrene	252	C20H12	000050-32-8	90



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051521\
Data File : BF123944.D
Acq On : 15 May 2021 14:42
Operator : JU/CG
Sample : M2383-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
KSB-03(7-9)

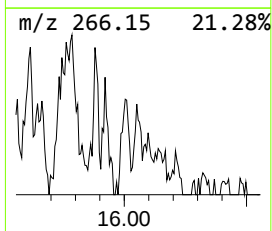
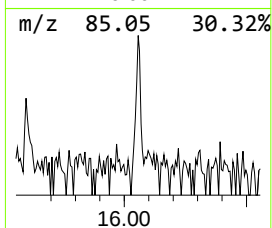
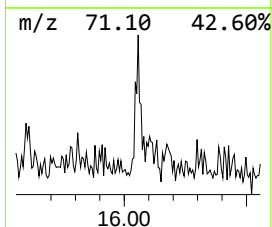
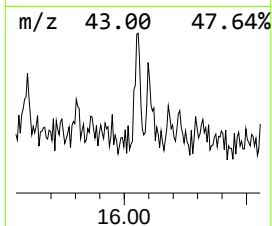
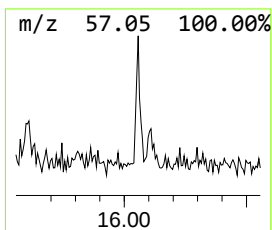
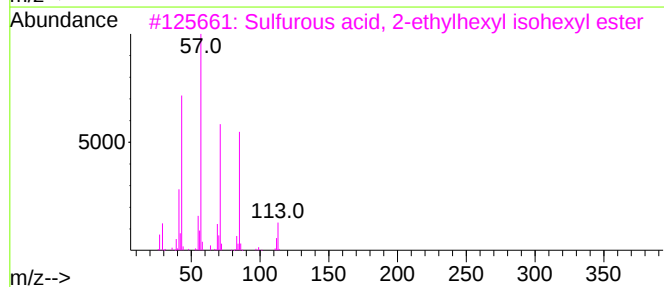
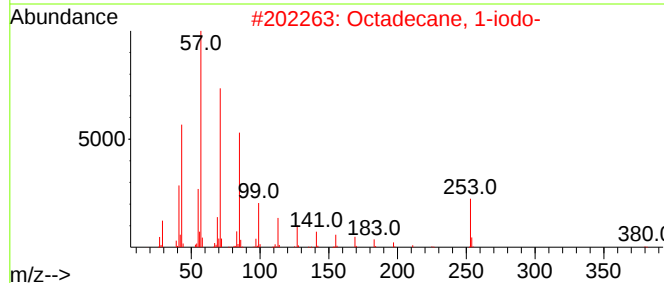
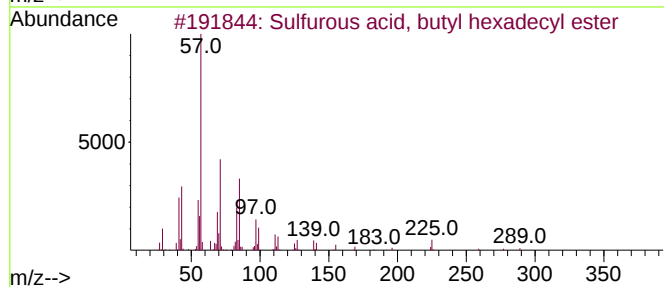
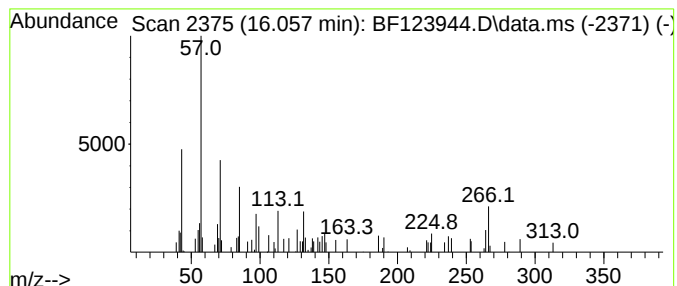
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 19 unknown16.057 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.057	2.95 ng	45110	Perylene-d12	15.562

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Sulfurous acid, butyl hexadecyl ...	362	C20H42O3S	1000309-18-3	38
2			Octadecane, 1-iodo-	380	C18H37I	000629-93-6	38
3			Sulfurous acid, 2-ethylhexyl iso...	278	C14H30O3S	1000309-19-0	35
4			Sulfurous acid, butyl heptadecyl...	376	C21H44O3S	1000309-18-4	35
5			Sulfurous acid, butyl 2-ethylhex...	250	C12H26O3S	1000309-18-8	35



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051521\
Data File : BF123944.D
Acq On : 15 May 2021 14:42
Operator : JU/CG
Sample : M2383-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
KSB-03(7-9)

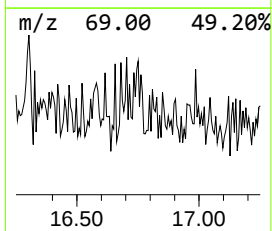
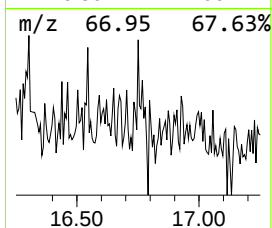
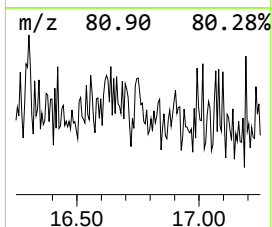
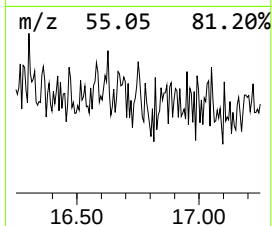
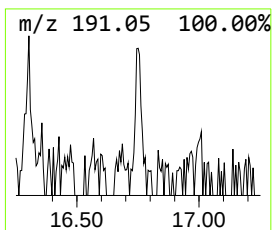
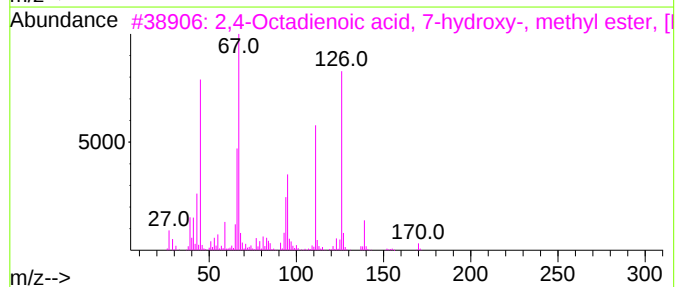
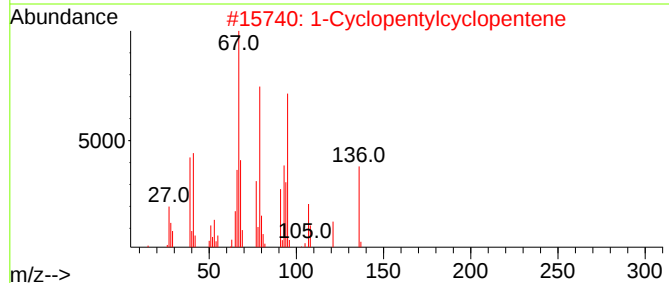
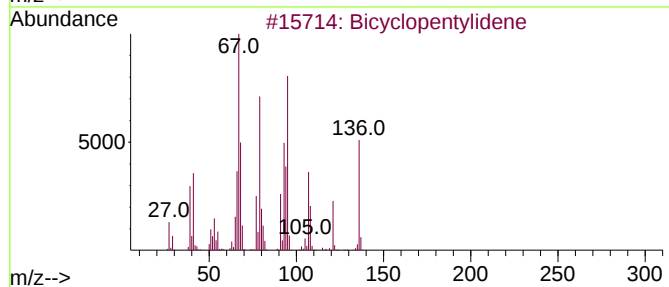
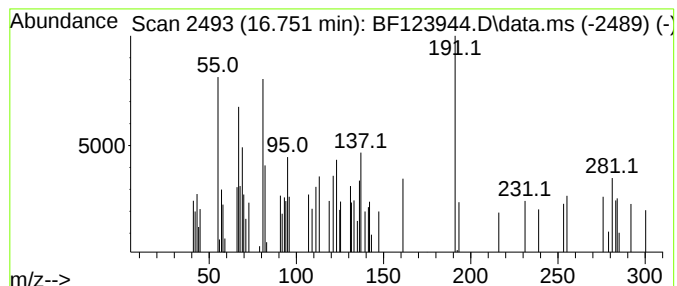
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 20 unknown16.751 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.751	3.11 ng	47483	Perylene-d12	15.562

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Bicyclopentylidene	136	C10H16	016189-35-8	25
2			1-Cyclopentylcyclopentene	136	C10H16	004884-21-3	25
3			2,4-Octadienoic acid, 7-hydroxy-...	170	C9H14O3	069734-24-3	10
4			Tricyclo[4.2.1.1(2,5)]decane	136	C10H16	049700-70-1	10
5			Methyl (1R,6R)-5-oxobicyclo[4...	182	C10H14O3	105539-58-0	10



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051521\
 Data File : BF123944.D
 Acq On : 15 May 2021 14:42
 Operator : JU/CG
 Sample : M2383-03
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 KSB-03(7-9)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051421.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Butane, 2-metho...	2.199	60.8	ng	863222	1	6.904	283848	20.0
unknown2.310	2.310	2.8	ng	40066	1	6.904	283848	20.0
Ethanol, 2-(2-e...	6.722	4.6	ng	65207	1	6.904	283848	20.0
unknown10.480	10.480	3.0	ng	63688	3	9.939	421264	20.0
Pentadecane	11.292	3.8	ng	77897	4	11.427	411575	20.0
Phenanthrene, 1...	11.927	5.3	ng	109416	4	11.427	411575	20.0
Phenanthrene, 2...	11.951	10.5	ng	216904	4	11.427	411575	20.0
4H-Cyclopenta[d...	12.039	6.9	ng	142648	4	11.427	411575	20.0
di-p-Tolylacety...	12.474	4.0	ng	83074	4	11.427	411575	20.0
unknown12.516	12.516	4.5	ng	91863	4	11.427	411575	20.0
Pyrene, 1-methyl-	13.086	2.7	ng	81309	5	14.068	605207	20.0
11H-Benzo[b]flu...	13.198	3.0	ng	91764	5	14.068	605207	20.0
11H-Benzo[a]flu...	13.263	2.8	ng	83129	5	14.068	605207	20.0
Pentafluoroprop...	13.910	6.2	ng	187591	5	14.068	605207	20.0
unknown14.545	14.545	3.1	ng	93481	5	14.068	605207	20.0
Benzo[j]fluoran...	15.227	5.5	ng	83789	6	15.562	305740	20.0
Benzo[e]pyrene	15.427	9.9	ng	152131	6	15.562	305740	20.0
unknown16.057	16.057	3.0	ng	45110	6	15.562	305740	20.0
unknown16.751	16.751	3.1	ng	47483	6	15.562	305740	20.0