

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041620\
 Data File : BF120030.D
 Acq On : 16 Apr 2020 12:33
 Operator : MA/SJ
 Sample : L2230-17 5X
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-12-A

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

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-BF040820.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.322	547	550	566	rVB	732561	677046	24.40%	1.615%
2	6.351	722	725	734	rBV	734472	669784	24.14%	1.598%
3	6.722	784	788	792	rBV	1057711	821741	29.61%	1.960%
4	6.875	811	814	818	rBV	644677	580794	20.93%	1.386%
5	7.281	880	883	889	rVB	491957	430093	15.50%	1.026%
6	8.010	1002	1007	1009	rBV	1304896	1073643	38.69%	2.561%
7	8.028	1009	1010	1014	rVB	302086	208045	7.50%	0.496%
8	8.722	1125	1128	1131	rVB	179801	127836	4.61%	0.305%
9	8.822	1140	1145	1149	rVB	138715	105996	3.82%	0.253%
10	9.086	1186	1190	1193	rBV	1106034	837983	30.20%	1.999%
11	9.186	1198	1207	1210	rBV2	62101	76712	2.76%	0.183%
12	9.345	1230	1234	1239	rBV3	60393	85914	3.10%	0.205%
13	9.422	1244	1247	1250	rVV	118115	115870	4.18%	0.276%
14	9.480	1255	1257	1262	rVV	115282	112315	4.05%	0.268%
15	9.622	1278	1281	1285	rVB	95904	84657	3.05%	0.202%
16	9.763	1299	1305	1308	rBV	1205979	1104655	39.81%	2.635%
17	9.798	1308	1311	1314	rVB	408824	338668	12.20%	0.808%
18	9.969	1336	1340	1344	rVV	326992	264147	9.52%	0.630%
19	10.310	1395	1398	1401	rVV	469298	382128	13.77%	0.912%
20	10.398	1411	1413	1415	rVV3	92369	75984	2.74%	0.181%
21	10.469	1423	1425	1430	rVB	134596	120496	4.34%	0.287%
22	10.551	1435	1439	1443	rVV	596498	560182	20.19%	1.336%
23	10.680	1457	1461	1466	rVB4	78669	89194	3.21%	0.213%
24	10.857	1485	1491	1494	rBV3	103289	189007	6.81%	0.451%
25	10.886	1494	1496	1499	rVV2	80275	79212	2.85%	0.189%
26	10.986	1508	1513	1515	rVV3	81480	106841	3.85%	0.255%
27	11.010	1515	1517	1522	rVV2	95635	114008	4.11%	0.272%
28	11.057	1522	1525	1529	rVV	121245	116708	4.21%	0.278%
29	11.110	1529	1534	1536	rVV3	94779	142429	5.13%	0.340%
30	11.145	1538	1540	1546	rVB	215402	211965	7.64%	0.506%
31	11.251	1554	1558	1560	rBV	1065498	994014	35.82%	2.371%
32	11.280	1560	1563	1566	rVV	3028284	2553216	92.00%	6.091%
33	11.327	1566	1571	1574	rVB	741262	649152	23.39%	1.549%
34	11.357	1574	1576	1580	rBV2	90672	92864	3.35%	0.222%

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 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.480	1591	1597	1600	rBV	308473	308301	11.11%	0.736%
36	11.551	1606	1609	1610	rBV2	86002	72814	2.62%	0.174%
37	11.751	1638	1643	1646	rBV	389540	395316	14.25%	0.943%
38	11.780	1646	1648	1653	rVV	682046	674482	24.30%	1.609%
39	11.827	1653	1656	1659	rVV2	264873	244477	8.81%	0.583%
40	11.863	1659	1662	1665	rVV	618091	686898	24.75%	1.639%
41	11.886	1665	1666	1671	rVV	307377	193047	6.96%	0.461%
42	11.957	1676	1678	1681	rVV2	77039	86766	3.13%	0.207%
43	12.051	1685	1694	1696	rVV	268430	311347	11.22%	0.743%
44	12.074	1696	1698	1701	rVV2	141444	122495	4.41%	0.292%
45	12.198	1717	1719	1722	rVB	103275	88209	3.18%	0.210%
46	12.227	1722	1724	1726	rBV	81940	74840	2.70%	0.179%
47	12.251	1726	1728	1731	rVB	105644	95263	3.43%	0.227%
48	12.304	1731	1737	1740	rBV	250934	326054	11.75%	0.778%
49	12.345	1740	1744	1749	rVB3	158153	274698	9.90%	0.655%
50	12.386	1749	1751	1756	rBV2	148457	177007	6.38%	0.422%
51	12.469	1760	1765	1768	rBV	2933533	2541090	91.57%	6.062%
52	12.510	1768	1772	1778	rVB3	153273	199775	7.20%	0.477%
53	12.574	1778	1783	1785	rBV2	115307	158601	5.72%	0.378%
54	12.616	1788	1790	1794	rVB	102534	101075	3.64%	0.241%
55	12.698	1797	1804	1807	rBV	2524129	2775120	100.00%	6.621%
56	12.739	1810	1811	1816	rVB2	122751	145733	5.25%	0.348%
57	12.810	1821	1823	1825	rBV	151952	132810	4.79%	0.317%
58	12.839	1825	1828	1834	rVB2	704713	747051	26.92%	1.782%
59	12.916	1835	1841	1844	rBV2	200361	320749	11.56%	0.765%
60	12.998	1852	1855	1856	rBV3	136376	139536	5.03%	0.333%
61	13.021	1856	1859	1862	rVB	393702	387241	13.95%	0.924%
62	13.086	1867	1870	1873	rBV2	250092	220773	7.96%	0.527%
63	13.121	1873	1876	1879	rBV3	294679	323641	11.66%	0.772%
64	13.216	1889	1892	1895	rBV	273483	254836	9.18%	0.608%
65	13.245	1895	1897	1901	rVB	197007	177940	6.41%	0.425%
66	13.321	1907	1910	1916	rVB6	67407	116695	4.21%	0.278%
67	13.427	1921	1928	1930	rBV5	113992	212036	7.64%	0.506%
68	13.504	1938	1941	1943	rBV3	58580	71459	2.57%	0.170%
69	13.527	1943	1945	1950	rVB	200304	215320	7.76%	0.514%
70	13.639	1960	1964	1967	rBV2	229102	273816	9.87%	0.653%
71	13.668	1967	1969	1971	rVV	260095	231125	8.33%	0.551%

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72	13.692	1971	1973	1978	rVV2	232907	344714	12.42%	0.822%
73	13.739	1978	1981	1988	rVB2	171819	222205	8.01%	0.530%
74	13.886	1999	2006	2009	rBV2	1666296	2360470	85.06%	5.631%
75	13.921	2009	2012	2017	rVB	1353627	1291552	46.54%	3.081%
76	13.998	2022	2025	2027	rVB	179886	141323	5.09%	0.337%
77	14.068	2034	2037	2041	rVB4	133335	180120	6.49%	0.430%
78	14.115	2041	2045	2049	rVV2	117848	174194	6.28%	0.416%
79	14.280	2068	2073	2076	rVB	280321	281025	10.13%	0.670%
80	14.310	2076	2078	2082	rVB	150995	146865	5.29%	0.350%
81	14.374	2082	2089	2091	rBV2	253894	303066	10.92%	0.723%
82	14.404	2091	2094	2096	rBV	127761	129269	4.66%	0.308%
83	14.474	2104	2106	2112	rVB3	93700	104238	3.76%	0.249%
84	14.674	2135	2140	2147	rVB2	188775	295534	10.65%	0.705%
85	14.915	2176	2181	2184	rBV	1143724	1765965	63.64%	4.213%
86	14.992	2190	2194	2196	rBV2	174027	239167	8.62%	0.571%
87	15.015	2196	2198	2201	rVB	227546	199886	7.20%	0.477%
88	15.098	2209	2212	2214	rBV2	63345	78502	2.83%	0.187%
89	15.204	2225	2230	2235	rVB	653183	839297	30.24%	2.002%
90	15.262	2235	2240	2245	rBV	952706	1134375	40.88%	2.706%
91	15.321	2245	2250	2252	rVV	580346	731015	26.34%	1.744%
92	15.351	2252	2255	2261	rVB3	419605	605649	21.82%	1.445%
93	15.733	2315	2320	2322	rBV4	66953	124534	4.49%	0.297%
94	15.768	2323	2326	2331	rVB2	137375	199744	7.20%	0.477%
95	16.245	2404	2407	2411	rBV2	62568	84731	3.05%	0.202%
96	16.527	2451	2455	2457	rBV2	54598	84863	3.06%	0.202%
97	16.704	2479	2485	2493	rVB2	439513	844259	30.42%	2.014%
98	16.868	2510	2513	2518	rBV	82715	119811	4.32%	0.286%
99	17.121	2550	2556	2566	rVB	330300	646474	23.30%	1.542%
100	17.345	2588	2594	2599	rBV	85978	171708	6.19%	0.410%

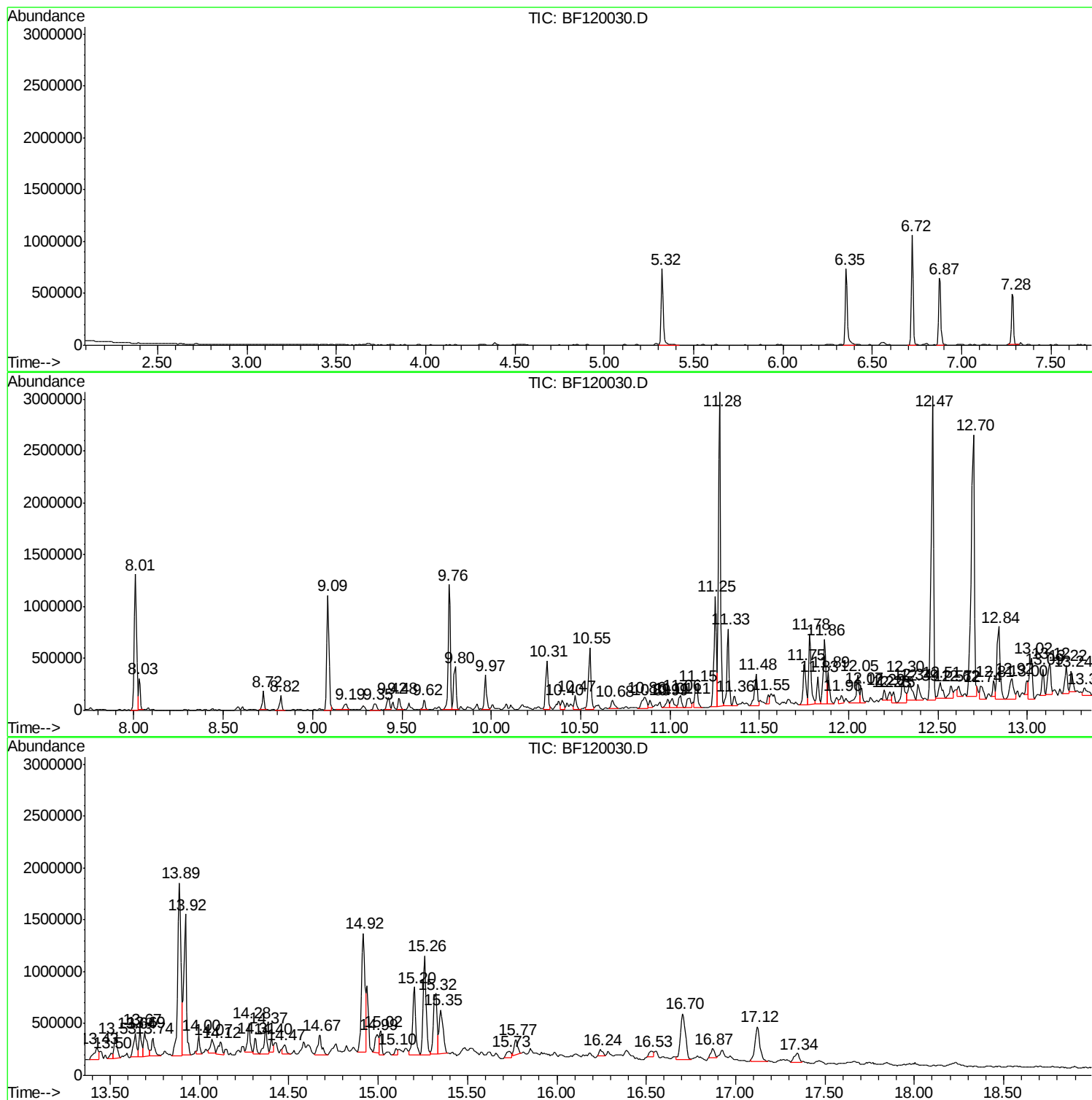
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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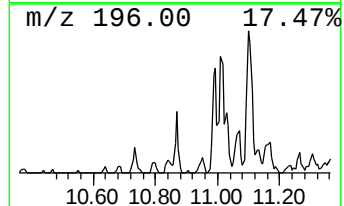
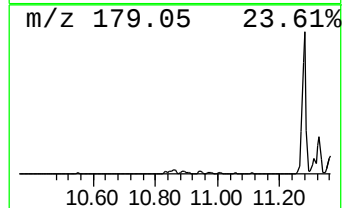
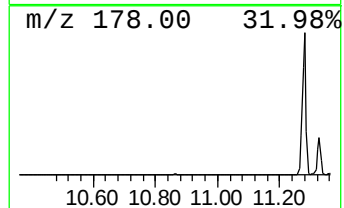
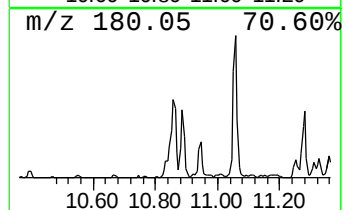
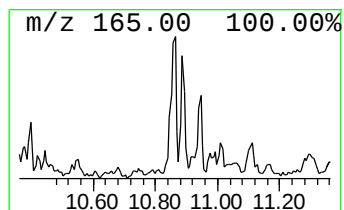
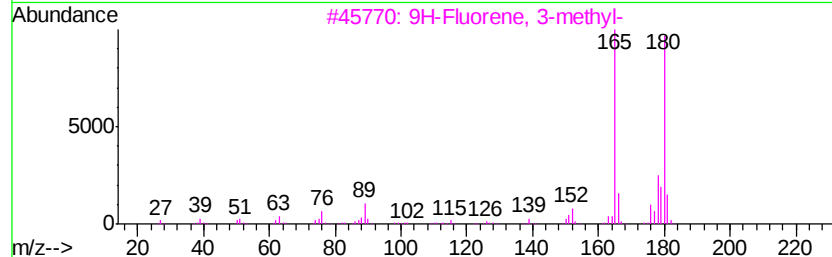
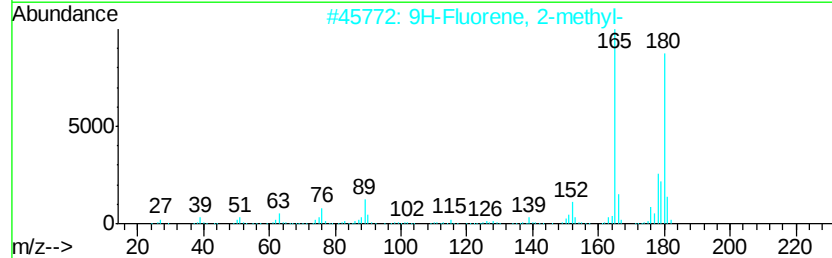
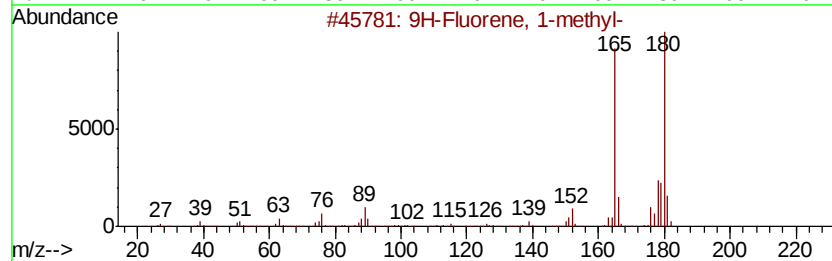
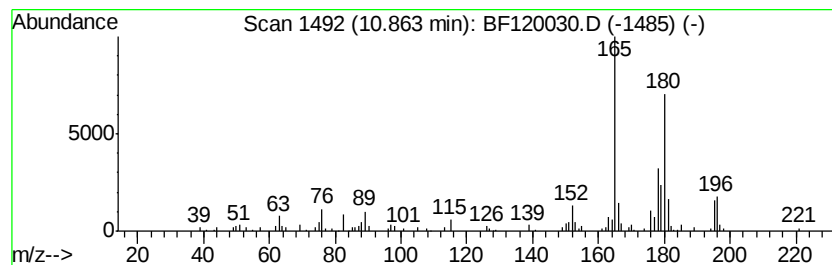
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 9H-Fluorene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.86	3.80 ng	189007	Phenanthrene-d10	11.25

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
2		9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	95
3		9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	93
4		9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	90
5		9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	81



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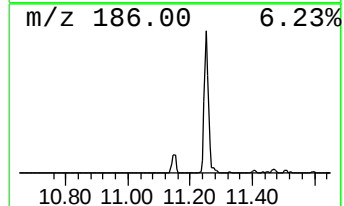
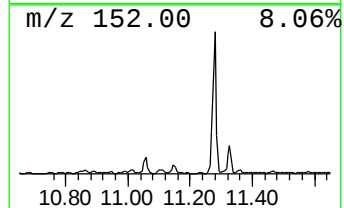
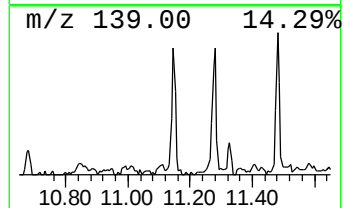
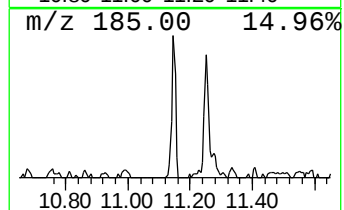
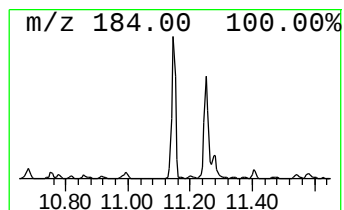
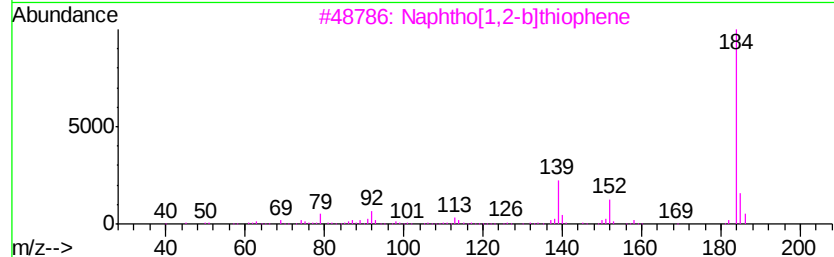
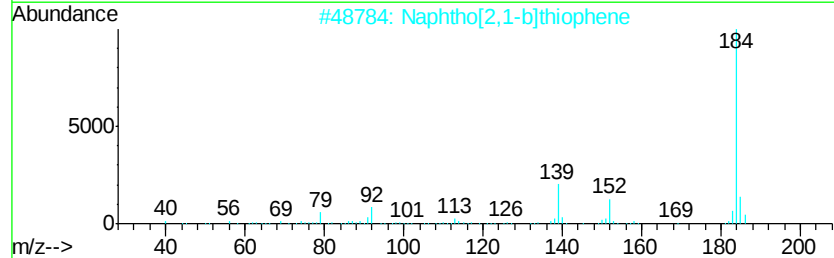
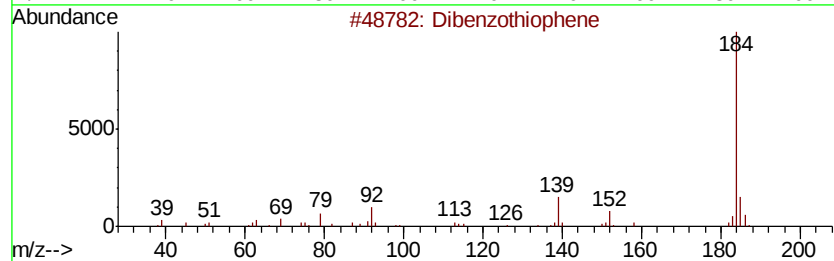
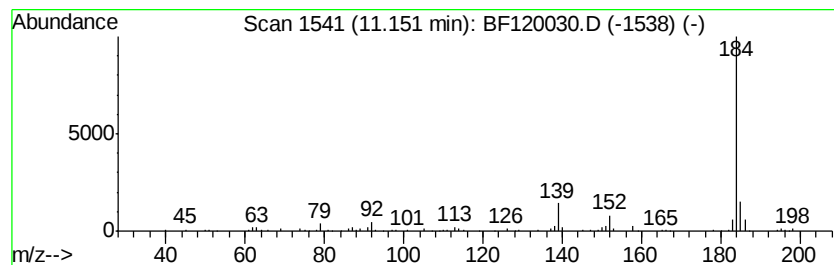
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TIC Integration Parameters: LSCINT.P

Peak Number 3 Dibenzothiophene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.15	4.26 ng	211965	Phenanthrene-d10	11.25

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Dibenzothiophene	184	C12H8S	000132-65-0	95
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	91
5		Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90



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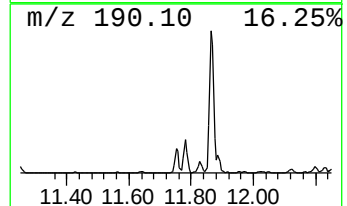
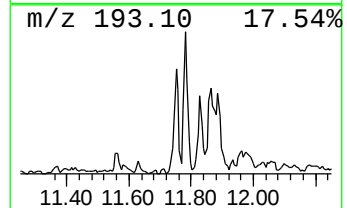
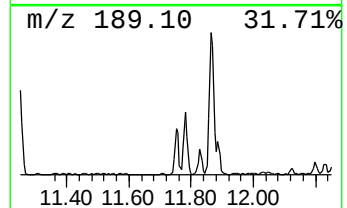
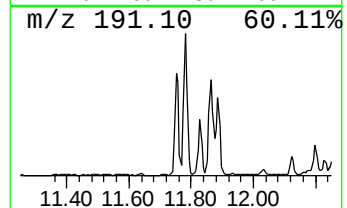
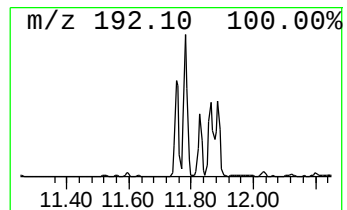
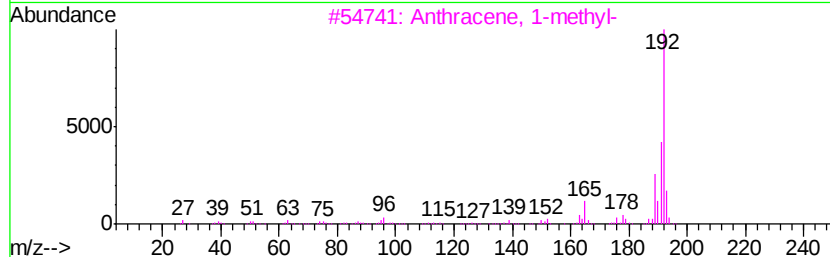
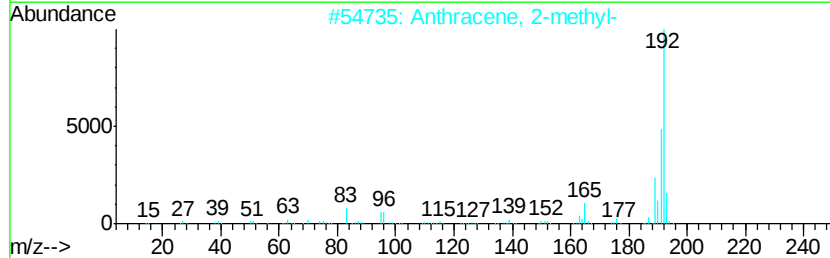
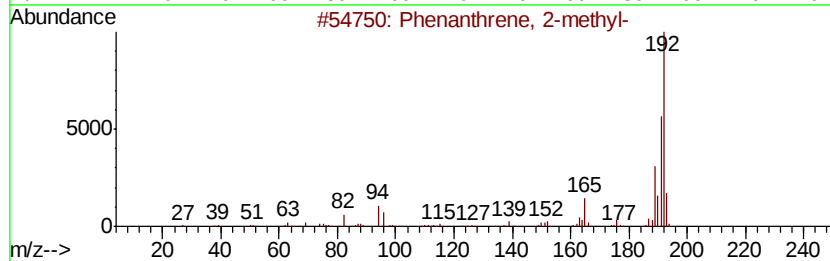
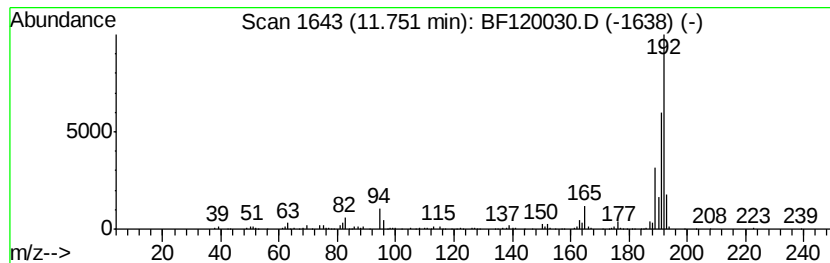
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.75	7.95 ng	395316	Phenanthrene-d10	11.25	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	89
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041620\
Data File : BF120030.D
Acq On : 16 Apr 2020 12:33
Operator : MA/SJ
Sample : L2230-17 5X
Misc :
ALS Vial : 38 Sample Multiplier: 1

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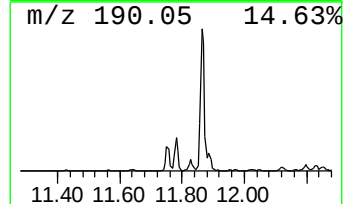
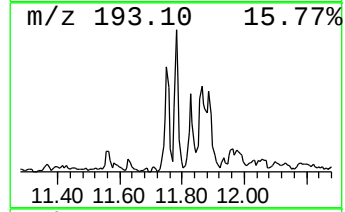
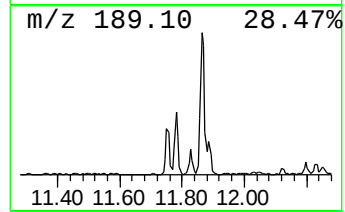
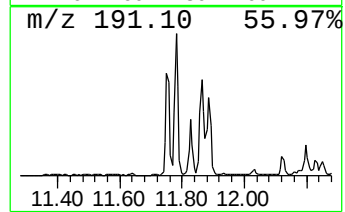
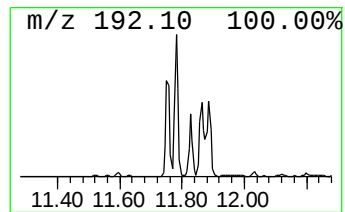
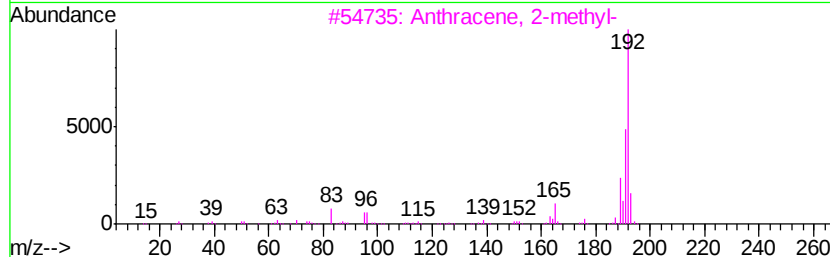
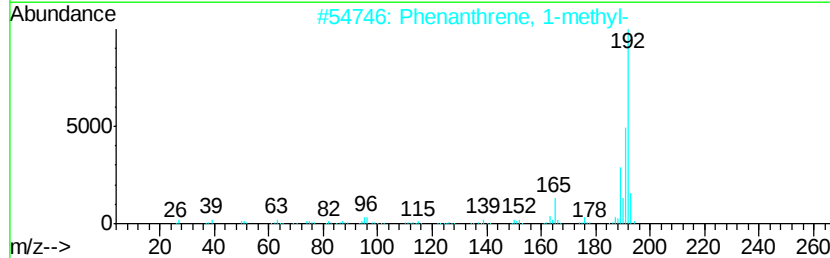
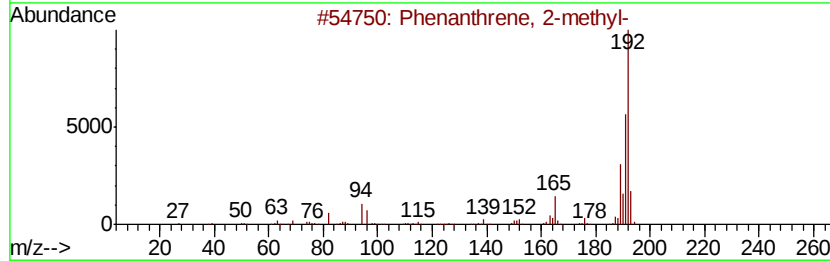
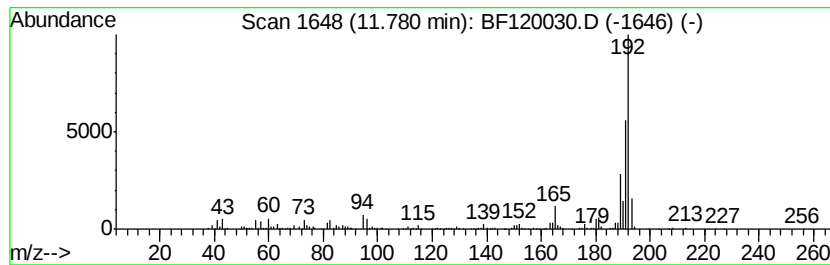
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.78	13.57 ng	674482	Phenanthrene-d10	11.25

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3		Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4		Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
5		1H-Cyclopropa[1]phenanthrene, 1a,...	192	C15H12	000949-41-7	93



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041620\
Data File : BF120030.D
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Sample : L2230-17 5X
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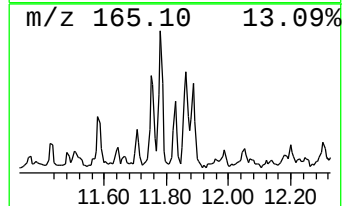
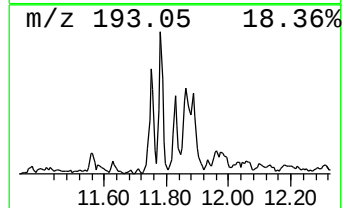
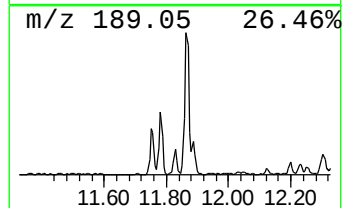
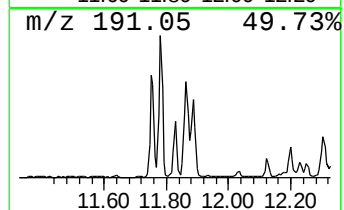
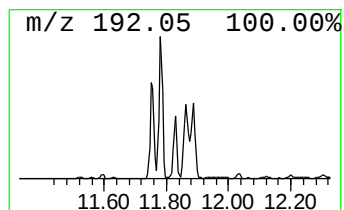
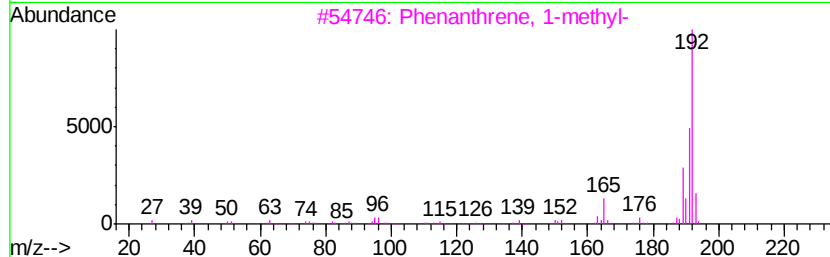
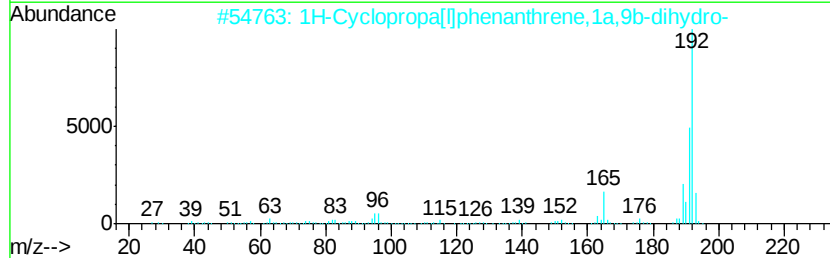
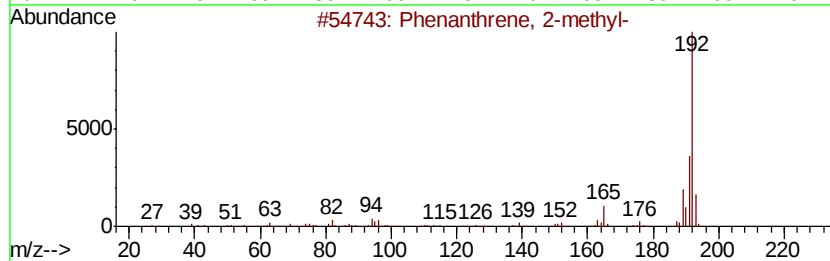
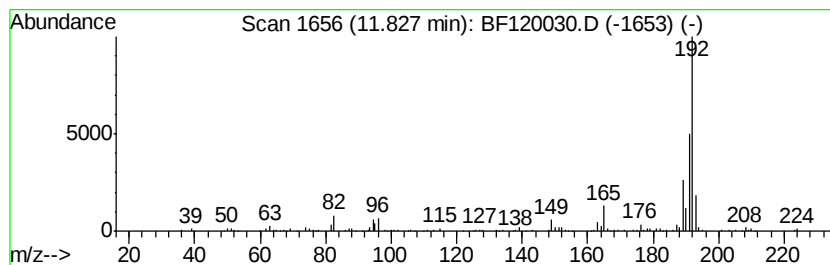
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 1H-Cyclopropa[l]phenanthren... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.83	4.92 ng	244477	Phenanthrene-d10	11.25

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2			1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
3			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4			Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
5			Anthracene, 2-methyl-	192	C15H12	000613-12-7	94



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041620\
Data File : BF120030.D
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Operator : MA/SJ
Sample : L2230-17 5X
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ClientSampleId :
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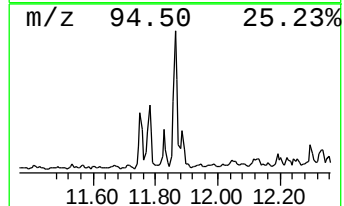
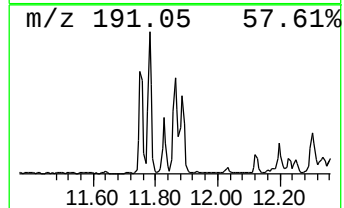
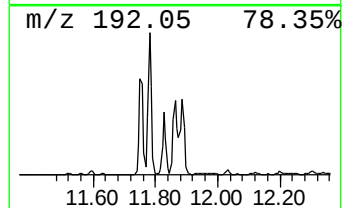
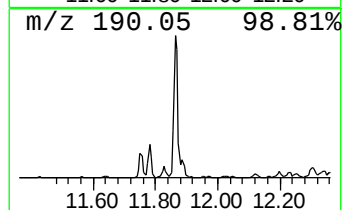
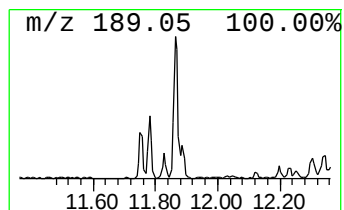
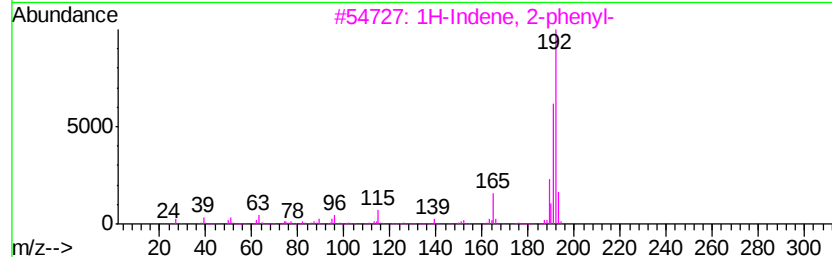
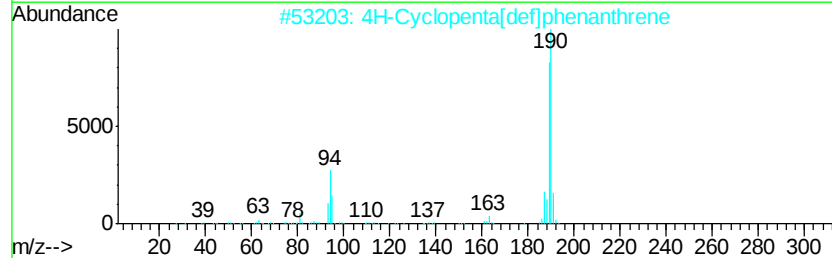
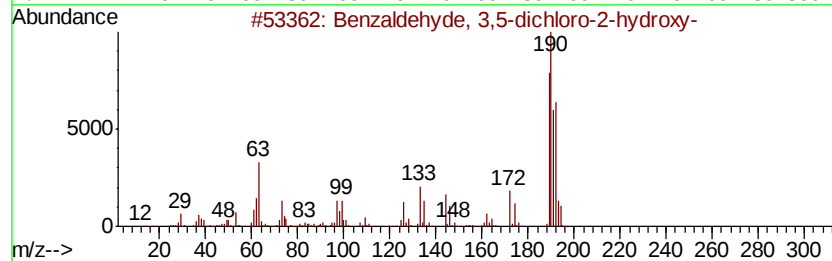
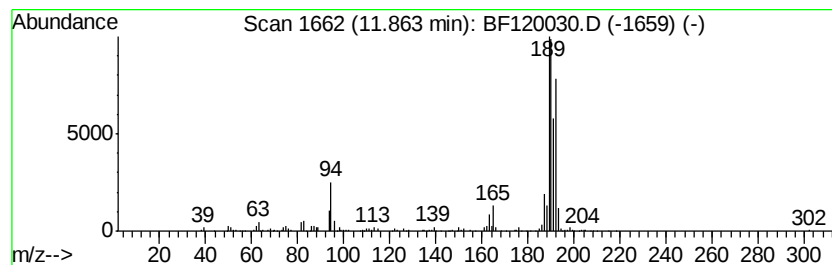
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Benzaldehyde, 3,5-dichloro-... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.86	13.82 ng	686898	Phenanthrene-d10	11.25

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzaldehydve, 3,5-dichloro-2-hvd...	190	C7H4Cl2O2	000090-60-8	80
2		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
3		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	42
4		5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	38
5		Anthracene, 2-methyl-	192	C15H12	000613-12-7	38



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041620\
Data File : BF120030.D
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ALS Vial : 38 Sample Multiplier: 1

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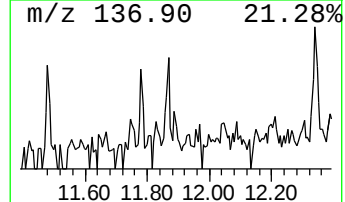
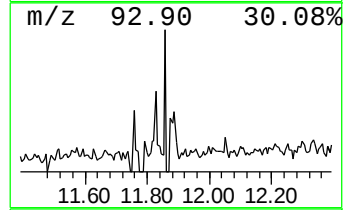
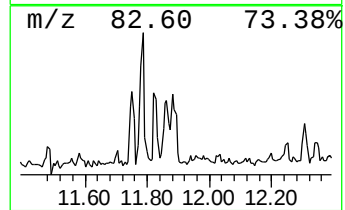
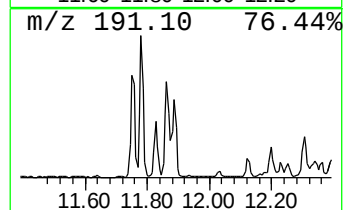
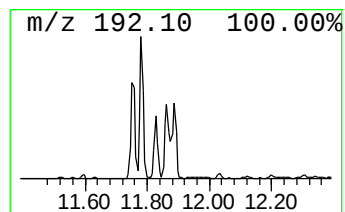
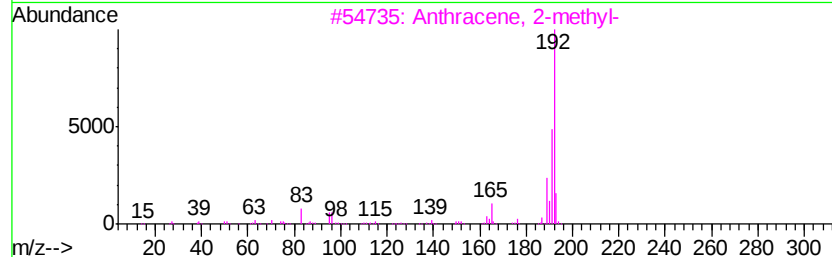
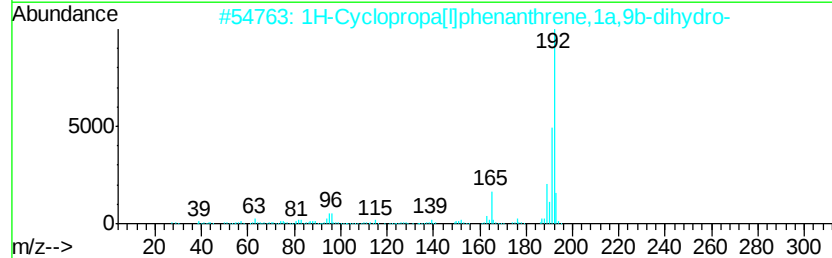
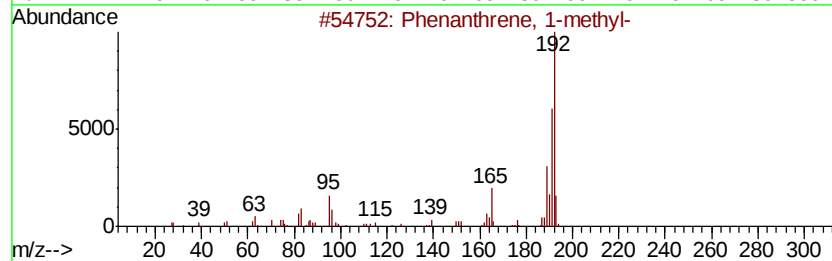
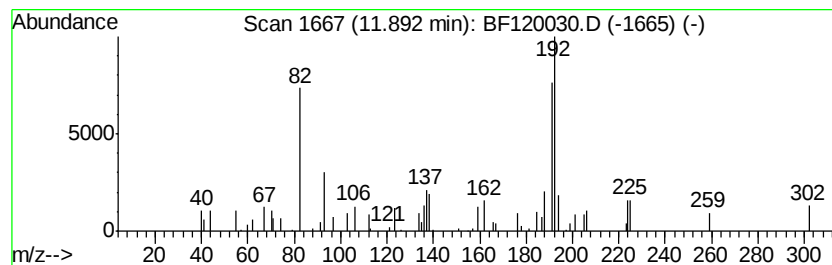
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Anthracene, 2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.89	3.88 ng	193047	Phenanthrene-d10	11.25

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
2		1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	93
3		Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
4		Anthracene, 9-methyl-	192	C15H12	000779-02-2	90
5		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041620\
Data File : BF120030.D
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ALS Vial : 38 Sample Multiplier: 1

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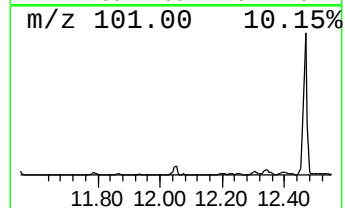
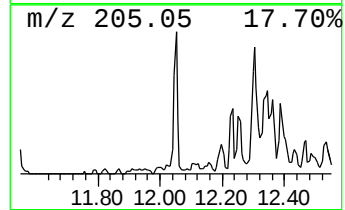
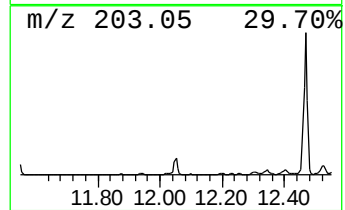
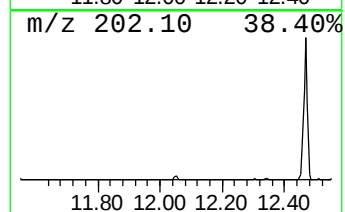
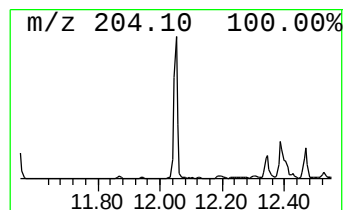
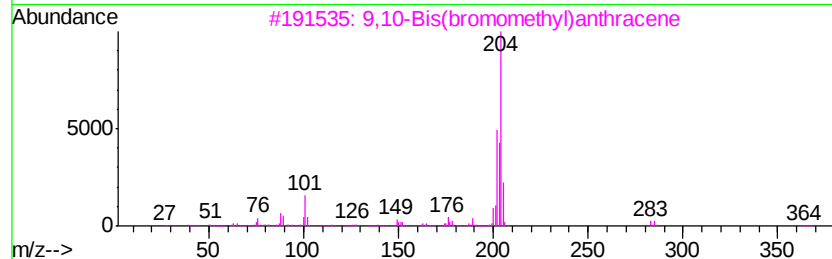
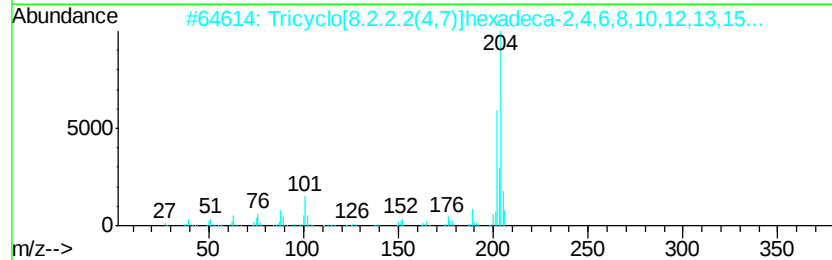
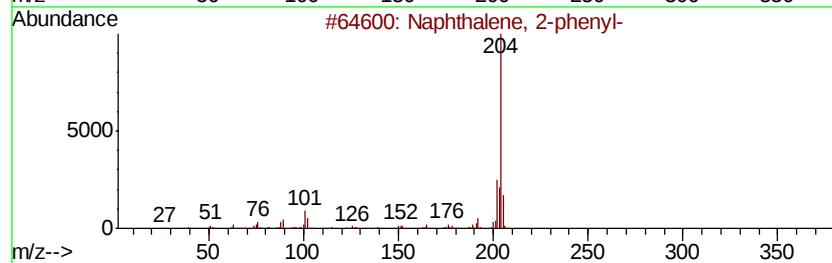
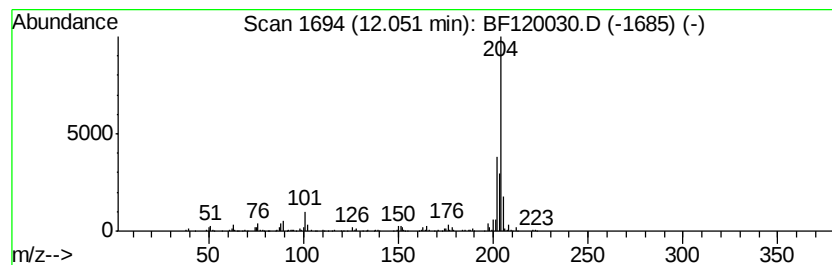
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Naphthalene, 2-phenyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.05	6.26 ng	311347	Phenanthrene-d10	11.25

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	89
2		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	62
3		9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	53
4		3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	50
5		Levamisole	204	C11H12N2S	014769-73-4	49



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041620\
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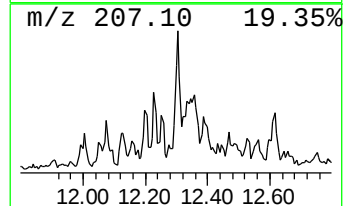
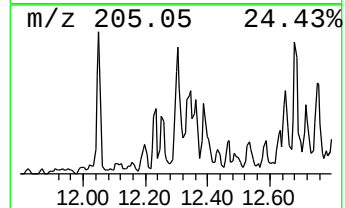
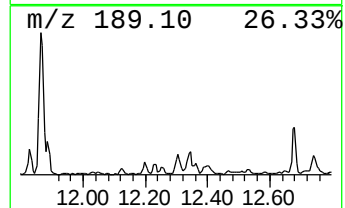
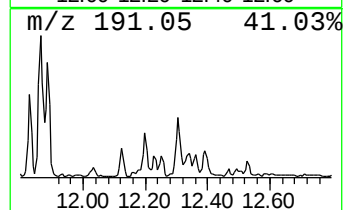
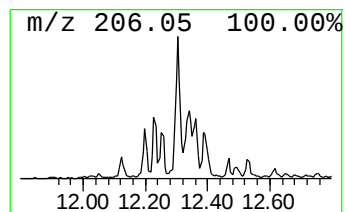
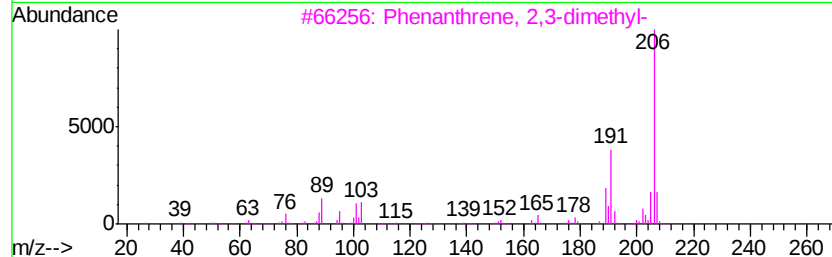
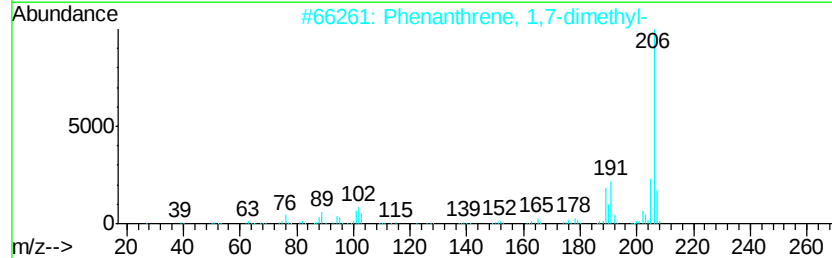
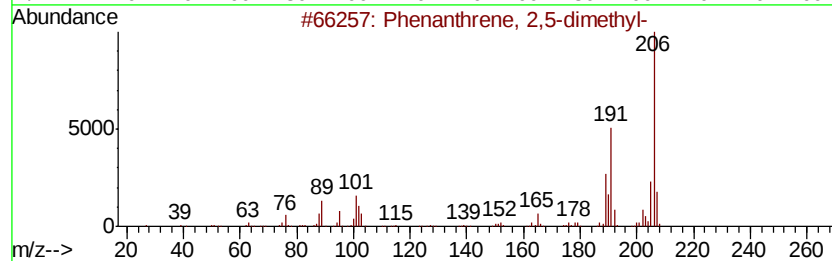
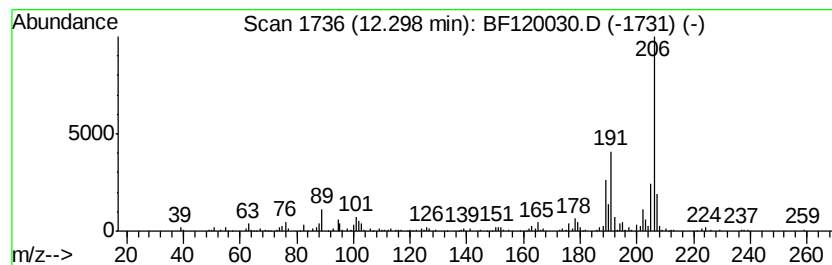
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Phenanthrene, 2,5-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	6.56 ng	326054	Phenanthrene-d10	11.25

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2			Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
3			Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
4			Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
5			9,10-Dimethylantracene	206	C16H14	000781-43-1	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041620\
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ALS Vial : 38 Sample Multiplier: 1

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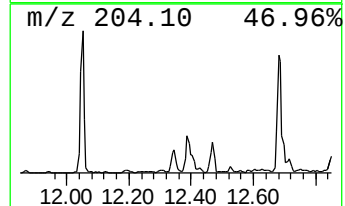
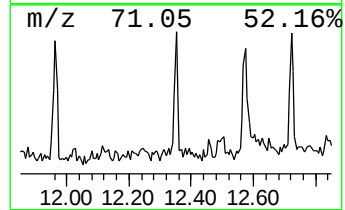
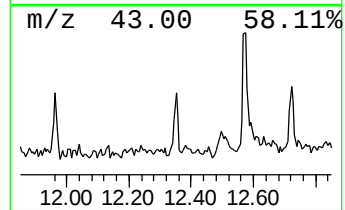
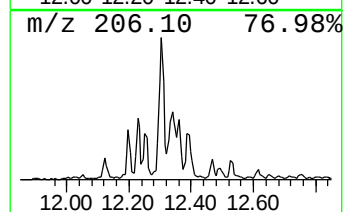
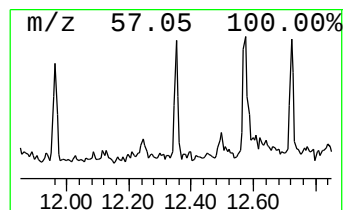
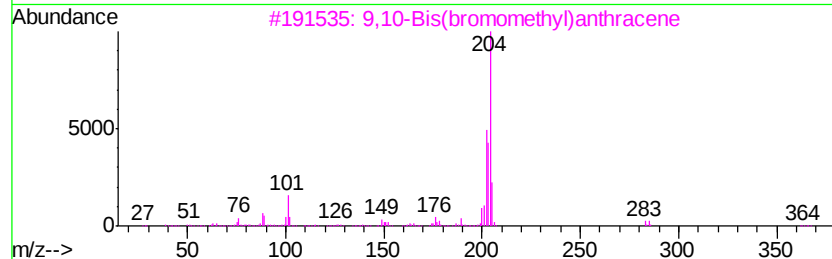
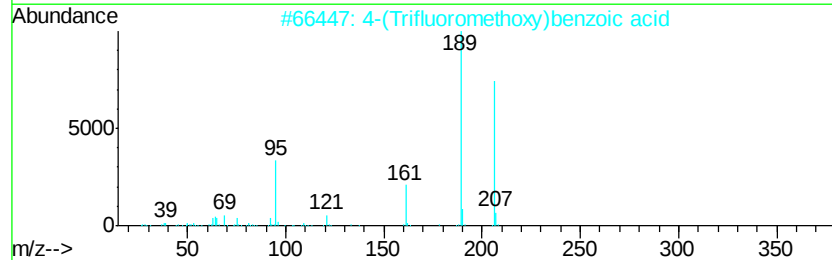
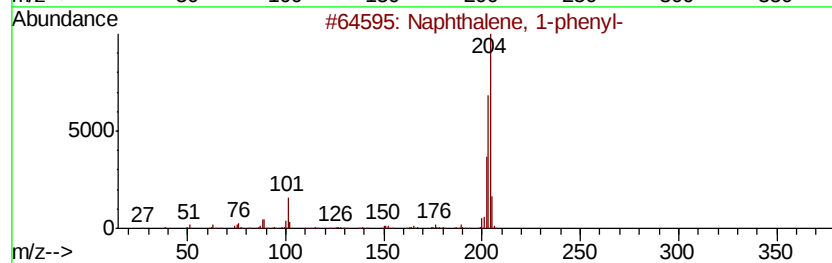
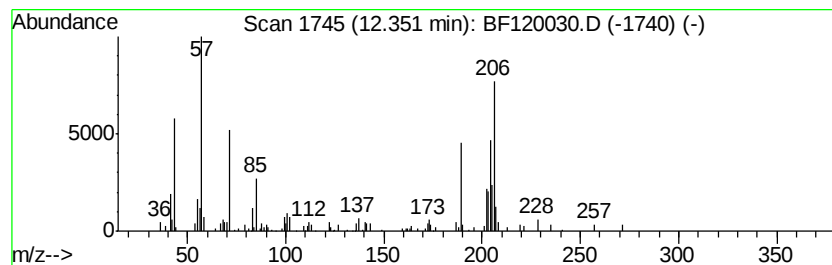
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 unknown12.35 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.35	5.53 ng	274698	Phenanthrene-d10	11.25

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	30
2			4-(Trifluoromethoxy)benzoic acid	206	C8H5F3O3	000330-12-1	27
3			9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	25
4			Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	25
5			4-Bromo-2-methyl-2H-pyrazole-3-c...	204	C5H5BrN2O2	1000300-50-8	25



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041620\
Data File : BF120030.D
Acq On : 16 Apr 2020 12:33
Operator : MA/SJ
Sample : L2230-17 5X
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-12-A

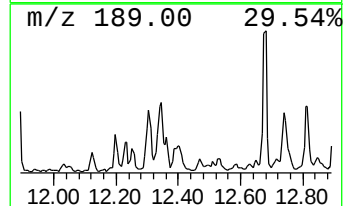
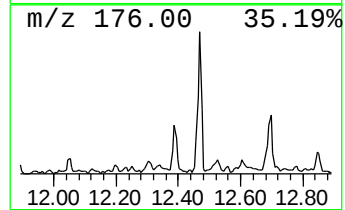
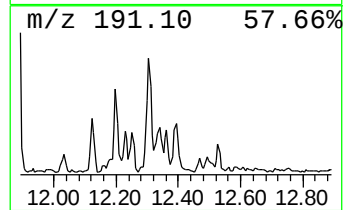
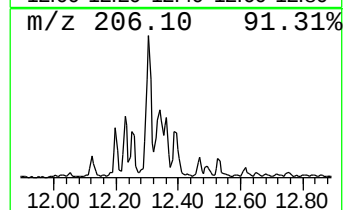
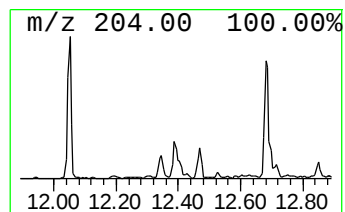
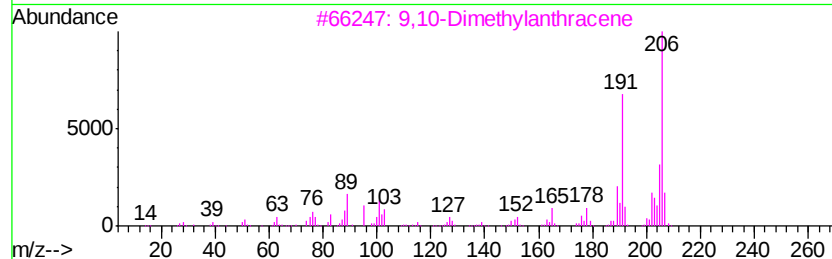
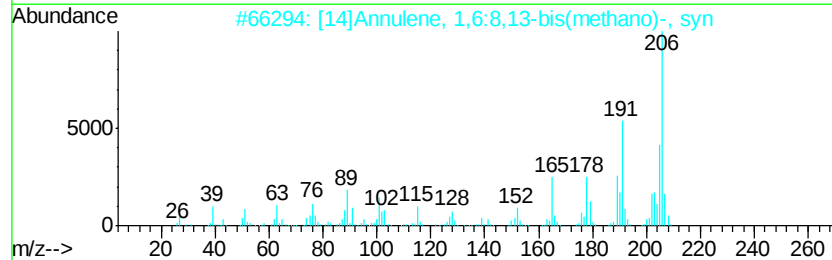
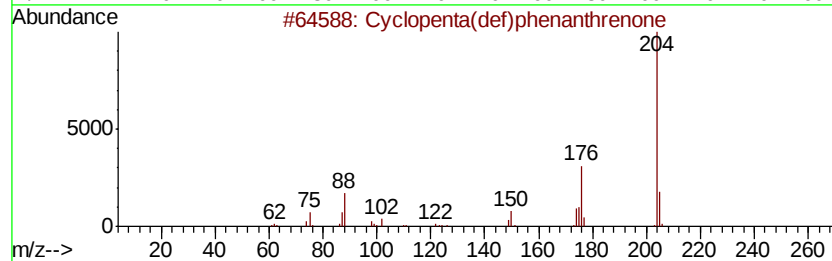
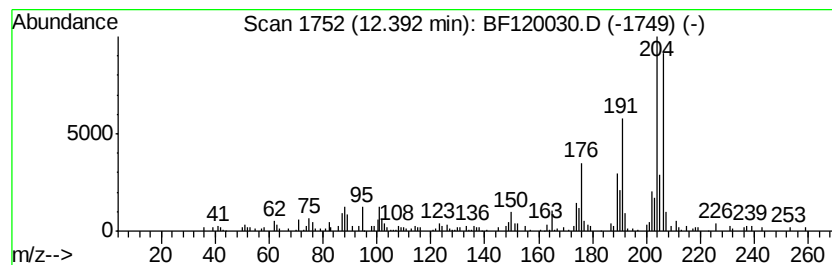
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Cyclopenta(def)phenanthrenone Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.39	3.56 ng	177007	Phenanthrene-d10	11.25

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	81
2		[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	70
3		9,10-Dimethylanthracene	206	C16H14	000781-43-1	70
4		Benzene, (2-methylene-1-phenylcv...	206	C16H14	025152-47-0	64
5		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	55



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041620\
Data File : BF120030.D
Acq On : 16 Apr 2020 12:33
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Sample : L2230-17 5X
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ALS Vial : 38 Sample Multiplier: 1

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ClientSampleId :
TP-12-A

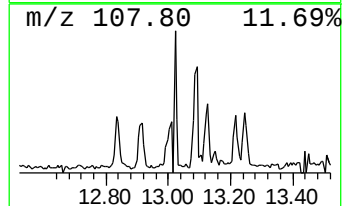
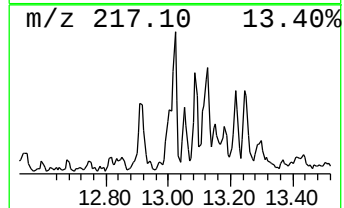
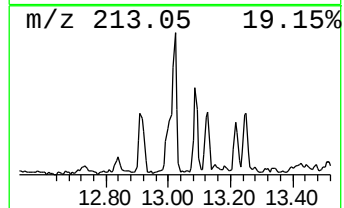
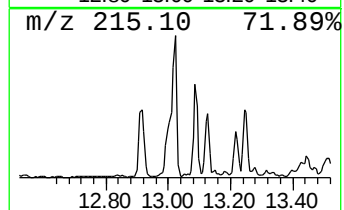
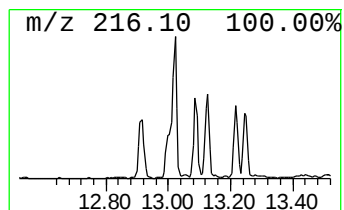
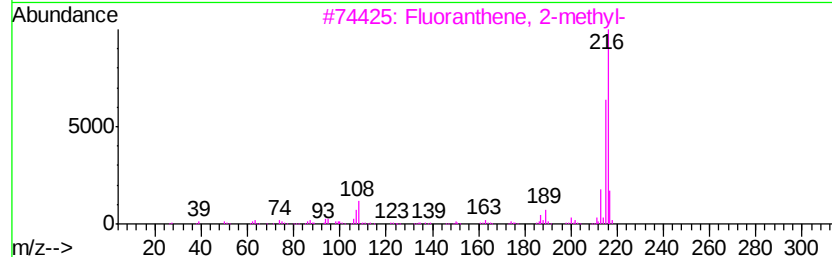
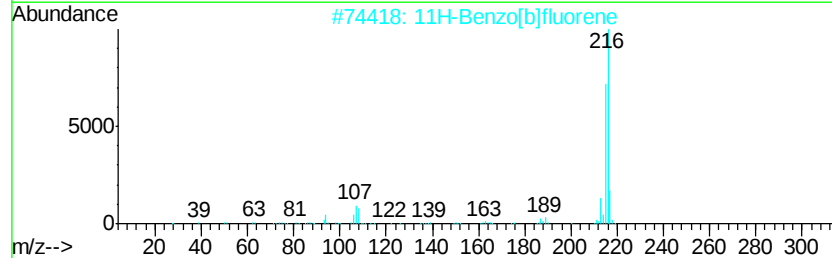
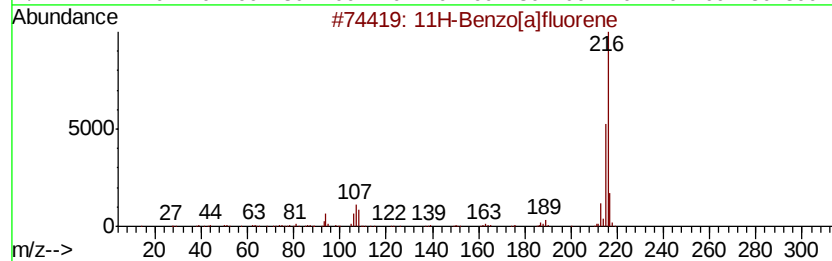
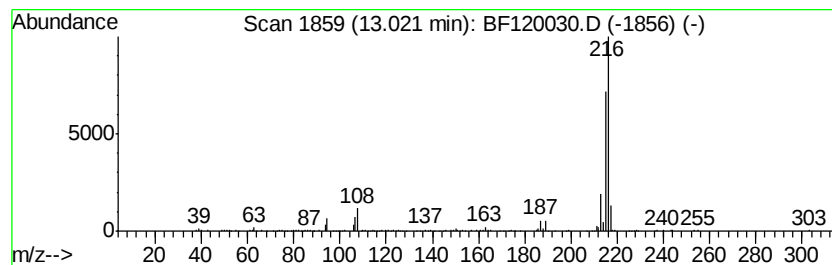
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 11H-Benzo[a]fluorene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.02	3.28 ng	387241	Chrysene-d12	13.89

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
2		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
3		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	76
4		Pyrene, 1-methyl-	216	C17H12	002381-21-7	72
5		Pyrene, 4-methyl-	216	C17H12	003353-12-6	58



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041620\
Data File : BF120030.D
Acq On : 16 Apr 2020 12:33
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Sample : L2230-17 5X
Misc :
ALS Vial : 38 Sample Multiplier: 1

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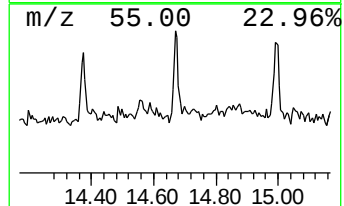
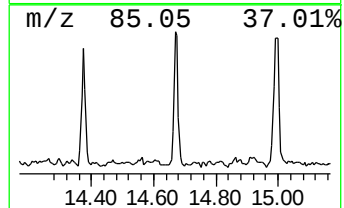
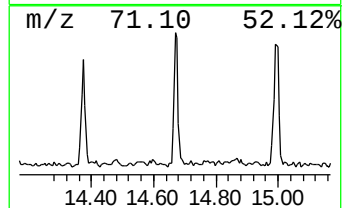
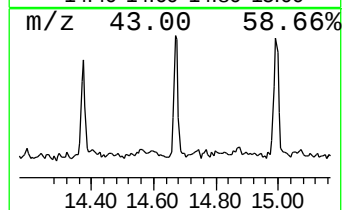
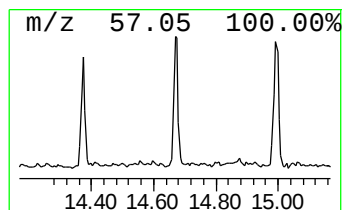
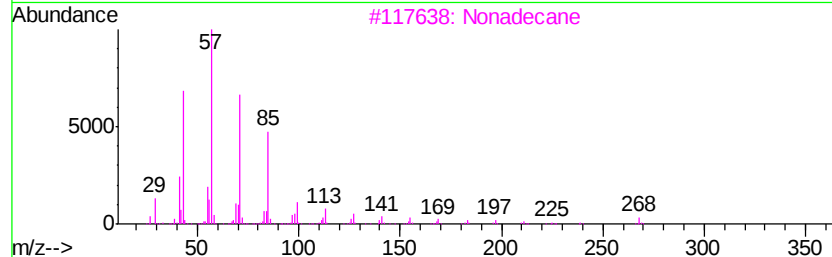
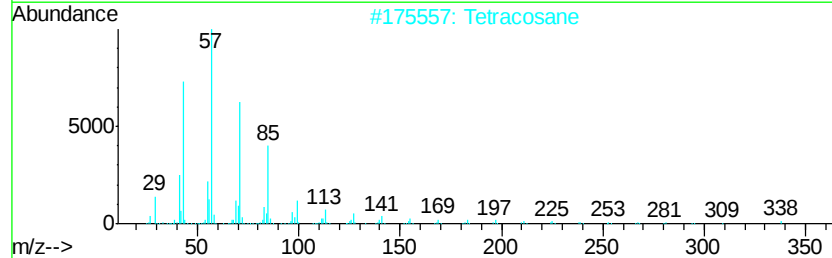
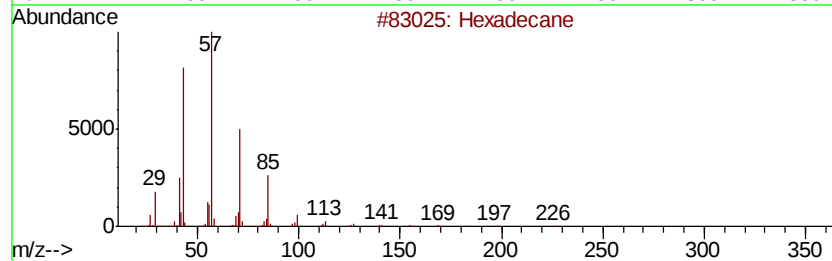
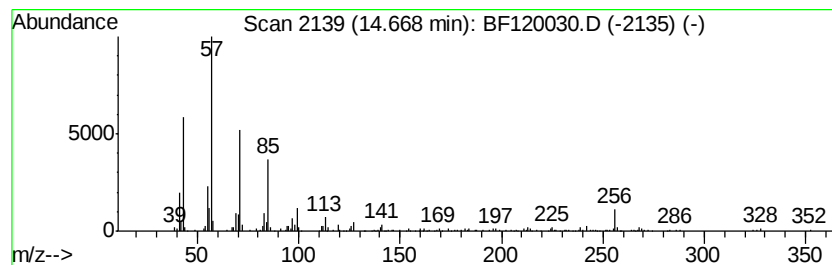
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Hexadecane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.67	8.09 ng	295534	Perylene-d12	15.32

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexadecane	226	C16H34	000544-76-3	93
2		Tetracosane	338	C24H50	000646-31-1	81
3		Nonadecane	268	C19H40	000629-92-5	76
4		1-Iodoundecane	282	C11H23I	004282-44-4	76
5		Hentriacontane	437	C31H64	000630-04-6	74



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041620\
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Sample : L2230-17 5X
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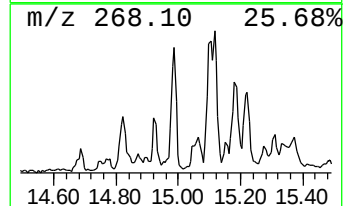
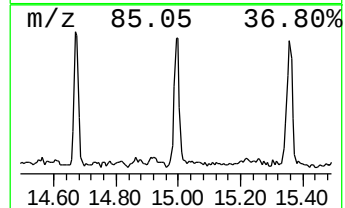
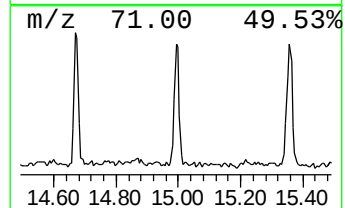
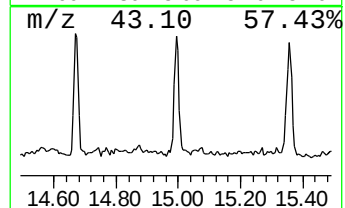
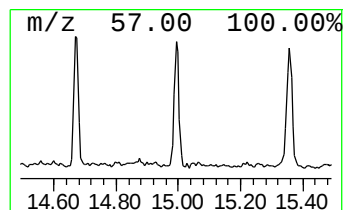
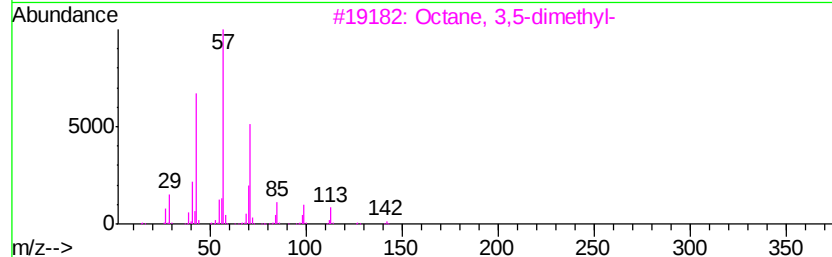
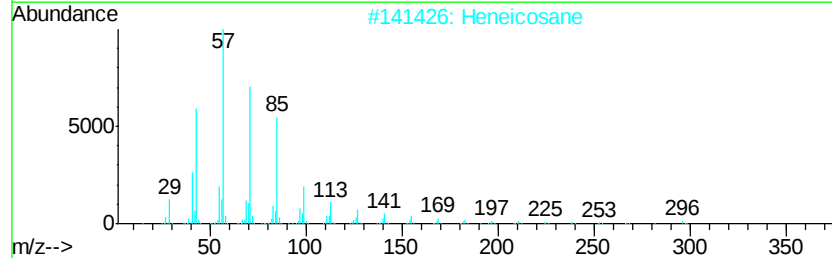
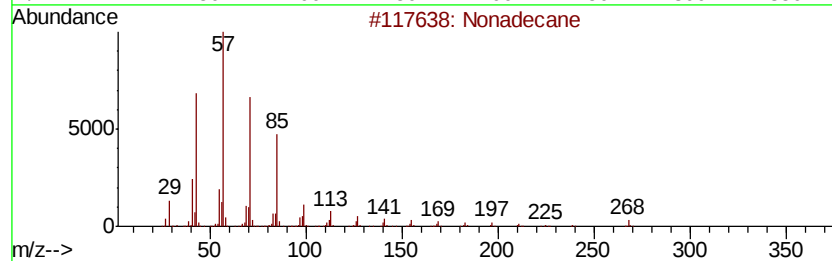
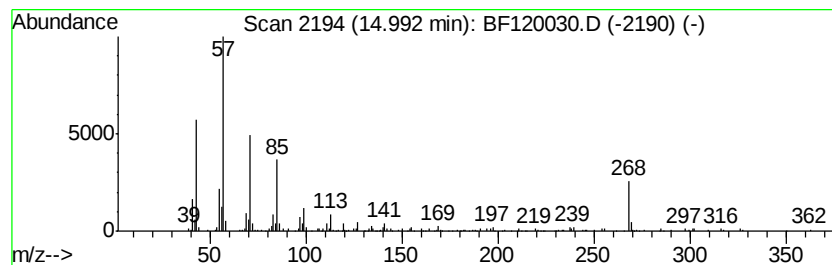
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Nonadecane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD		R.T.
14.99	6.54 ng	239167	Perylene-d12		15.32
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	90
2	Heneicosane	296	C21H44	000629-94-7	64
3	Octane, 3,5-dimethyl-	142	C10H22	015869-93-9	60
4	2-methyloctacosane	408	C29H60	1000376-72-8	58
5	Tetracosane	338	C24H50	000646-31-1	58



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041620\
Data File : BF120030.D
Acq On : 16 Apr 2020 12:33
Operator : MA/SJ
Sample : L2230-17 5X
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
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ClientSampleId :
TP-12-A

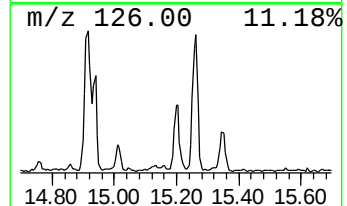
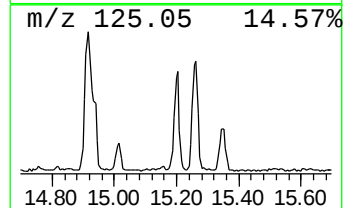
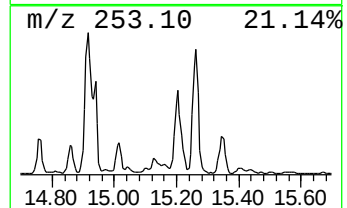
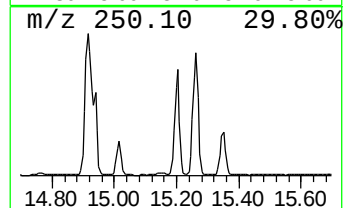
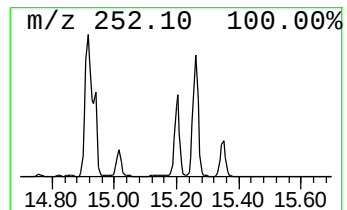
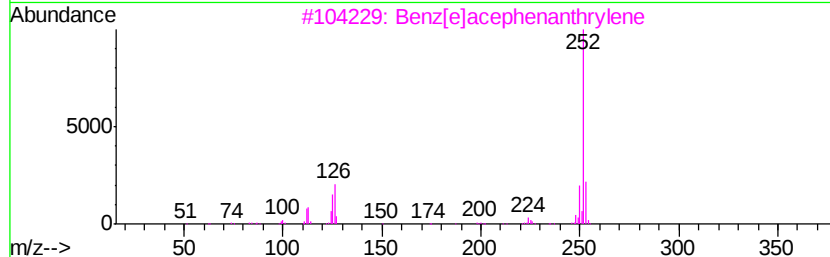
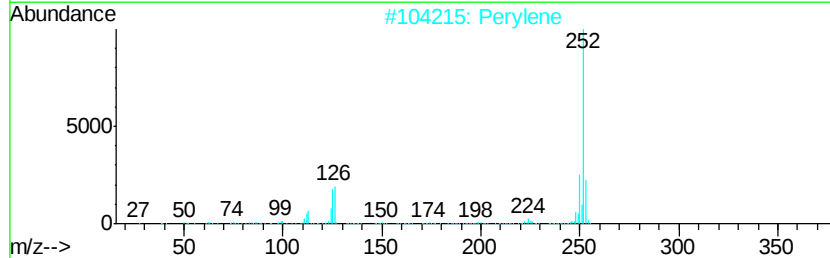
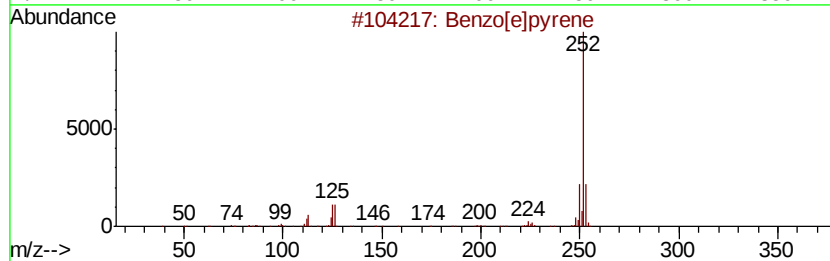
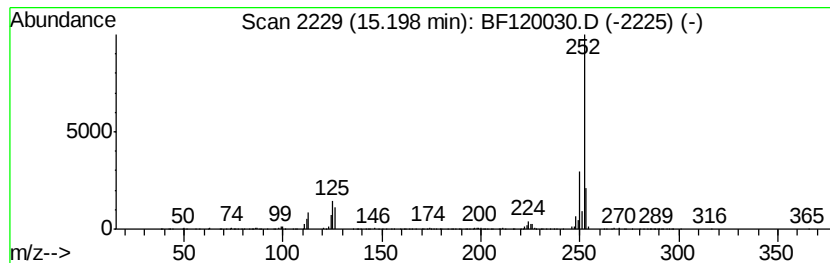
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.20	22.96 ng	839297	Perylene-d12	15.32

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2		Perylene	252	C20H12	000198-55-0	95
3		Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	94
4		Benzo[a]pyrene	252	C20H12	000050-32-8	93
5		Benzo[j]fluoranthene	252	C20H12	000205-82-3	89



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041620\
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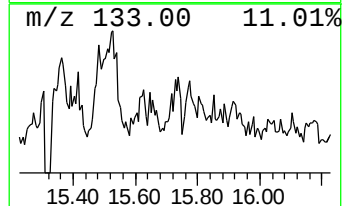
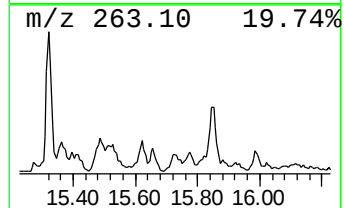
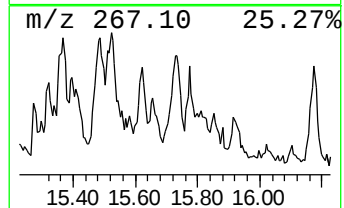
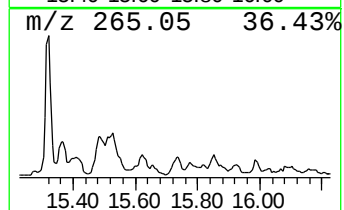
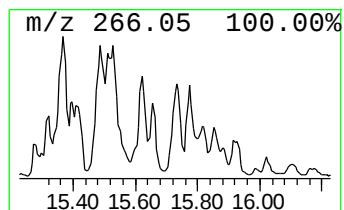
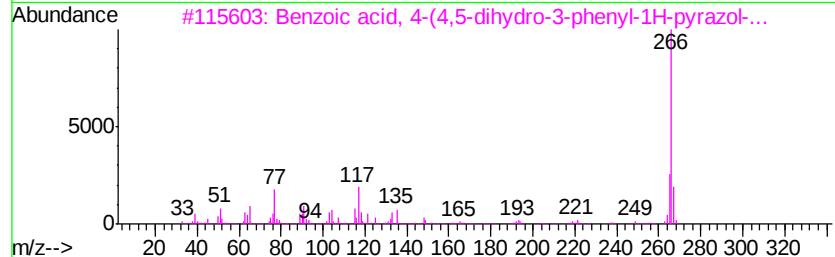
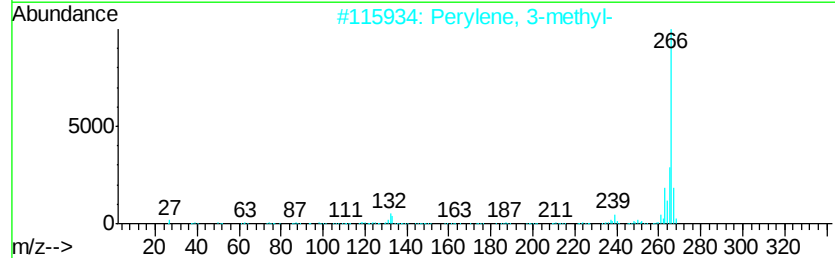
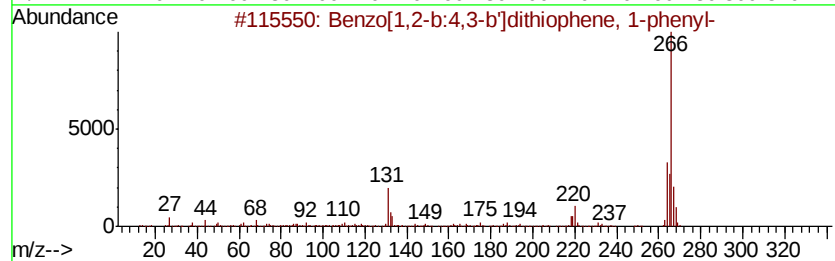
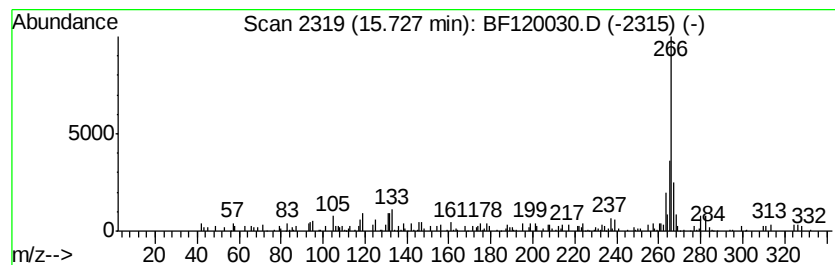
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Benzo[1,2-b:4,3-b']dithioph... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.73	3.41 ng	124534	Perylene-d12	15.32

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[1,2-b:4,3-b']dithiophene, ...	266	C16H10S2	016587-58-9	90
2		Perylene, 3-methyl-	266	C21H14	024471-47-4	76
3		Benzoic acid, 4-(4,5-dihydro-3-p...	266	C16H14N2O2	026192-74-5	64
4		8H-Indeno[2,1-b]phenanthrene	266	C21H14	000241-28-1	64
5		10-Methylbenzo(a)pyrene	266	C21H14	063104-32-5	64



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041620\
Data File : BF120030.D
Acq On : 16 Apr 2020 12:33
Operator : MA/SJ
Sample : L2230-17 5X
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-12-A

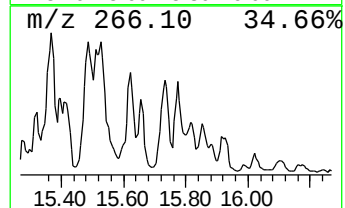
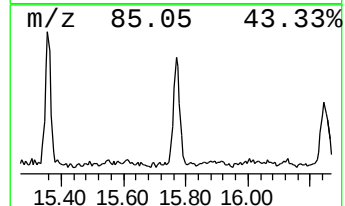
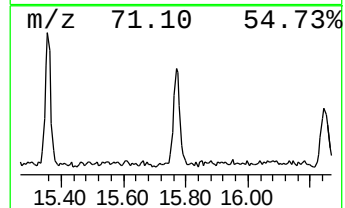
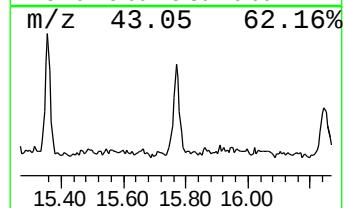
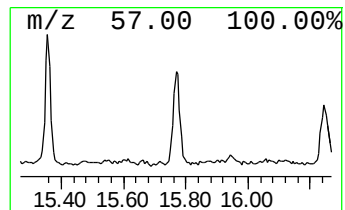
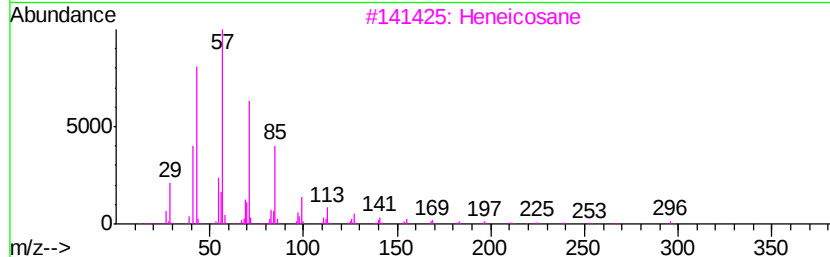
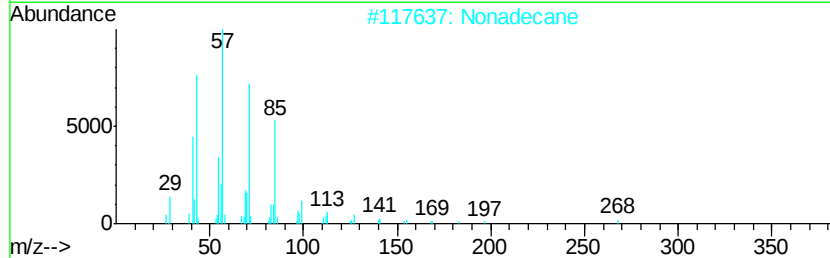
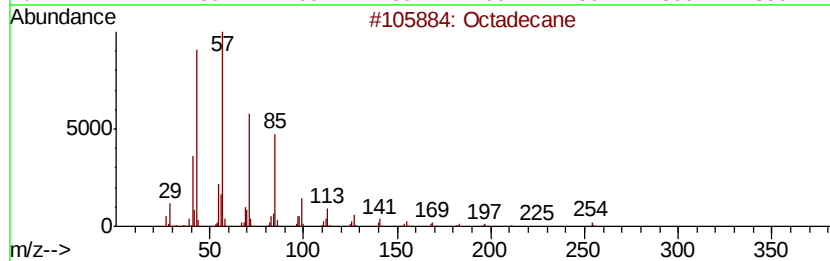
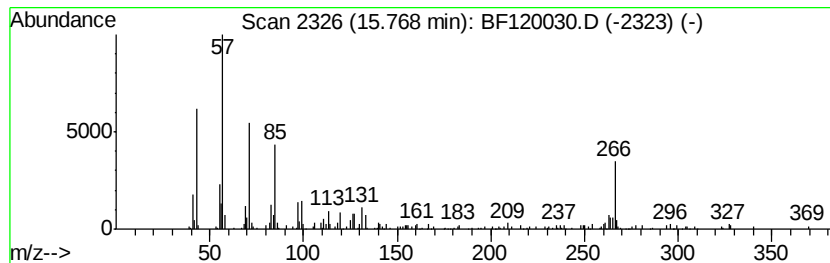
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Octadecane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.77	5.46 ng	199744	Perylene-d12	15.32

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octadecane	254	C18H38	000593-45-3	90
2			Nonadecane	268	C19H40	000629-92-5	83
3			Heneicosane	296	C21H44	000629-94-7	64
4			Eicosane, 7-hexyl-	366	C26H54	055333-99-8	58
5			10-Methylnonadecane	282	C20H42	056862-62-5	58



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041620\
Data File : BF120030.D
Acq On : 16 Apr 2020 12:33
Operator : MA/SJ
Sample : L2230-17 5X
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-12-A

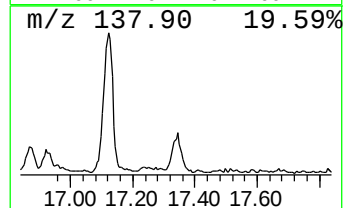
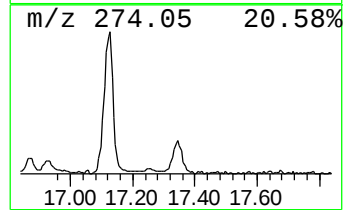
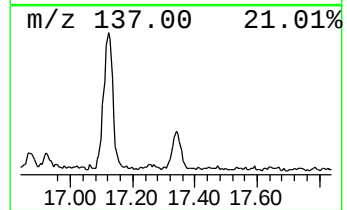
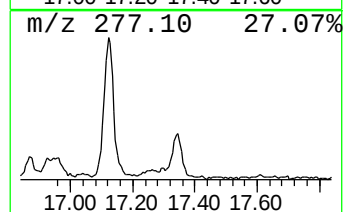
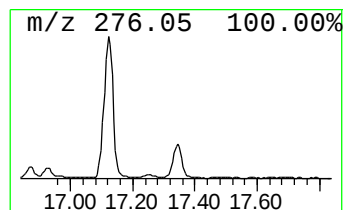
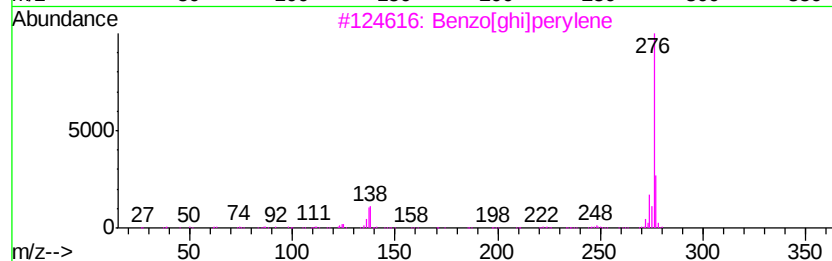
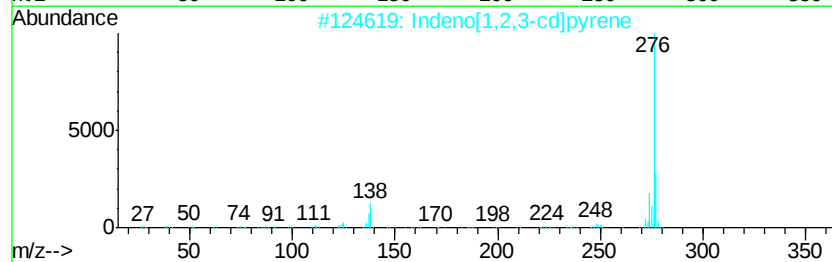
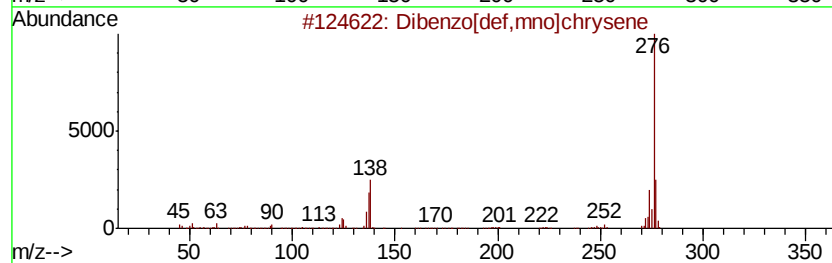
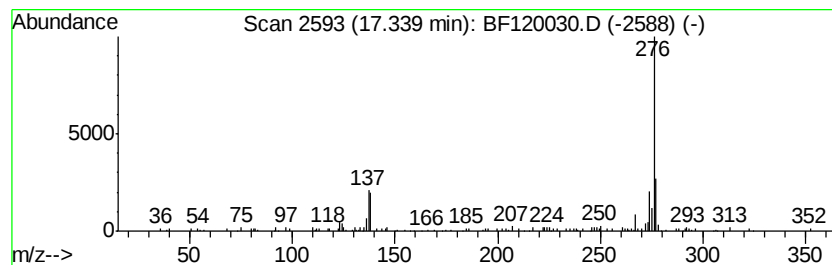
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Dibenzo[def,mno]chrysene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.34	4.70 ng	171708	Perylene-d12	15.32

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	91
2			Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	91
3			Benzo[ghi]perylene	276	C22H12	000191-24-2	91
4			Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	81
5			Phenol, 2-(4-chlorophenyl)iminome...	276	C13H9ClN2O3	1000262-90-3	53



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041620\
 Data File : BF120030.D
 Acq On : 16 Apr 2020 12:33
 Operator : MA/SJ
 Sample : L2230-17 5X
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-12-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040820.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
9H-Fluorene, 1-me...	10.86	3.8	ng	189007	4	11.25	994014	20.0
Dibenzothiophene	11.15	4.3	ng	211965	4	11.25	994014	20.0
Phenanthrene, 2-m...	11.75	8.0	ng	395316	4	11.25	994014	20.0
Phenanthrene, 1-m...	11.78	13.6	ng	674482	4	11.25	994014	20.0
1H-Cyclopropa[1]p...	11.83	4.9	ng	244477	4	11.25	994014	20.0
Benzaldehyde, 3,5...	11.86	13.8	ng	686898	4	11.25	994014	20.0
Anthracene, 2-met...	11.89	3.9	ng	193047	4	11.25	994014	20.0
Naphthalene, 2-ph...	12.05	6.3	ng	311347	4	11.25	994014	20.0
Phenanthrene, 2,5...	12.30	6.6	ng	326054	4	11.25	994014	20.0
unknown12.35	12.35	5.5	ng	274698	4	11.25	994014	20.0
Cyclopenta(def)ph...	12.39	3.6	ng	177007	4	11.25	994014	20.0
11H-Benzo[a]fluorene	13.02	3.3	ng	387241	5	13.89	2360470	20.0
Hexadecane	14.67	8.1	ng	295534	6	15.32	731015	20.0
Nonadecane	14.99	6.5	ng	239167	6	15.32	731015	20.0
Benzo[e]pyrene	15.20	23.0	ng	839297	6	15.32	731015	20.0
Benzo[1,2-b:4,3-b...	15.73	3.4	ng	124534	6	15.32	731015	20.0
Octadecane	15.77	5.5	ng	199744	6	15.32	731015	20.0
Dibenzo[def,mno]c...	17.34	4.7	ng	171708	6	15.32	731015	20.0