

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF121218\
 Data File : BF111331.D
 Acq On : 12 Dec 2018 19:43
 Operator : JU/SJ
 Sample : J6214-23
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-3(0-2)

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-BF121218.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	4.998	492	495	504	rVB	279724	355380	3.11%	0.236%
2	5.410	560	565	568	rBV	6385831	6080404	53.29%	4.036%
3	6.428	732	738	750	rBV	6244124	6998869	61.34%	4.645%
4	6.563	756	761	764	rBV	6858401	6425994	56.32%	4.265%
5	6.792	796	800	803	rBV	2394621	1903944	16.69%	1.264%
6	6.951	823	827	830	rBV	5577578	4715288	41.33%	3.130%
7	7.351	890	895	898	rBV	4408947	4222373	37.01%	2.803%
8	8.075	1014	1018	1020	rBV	3002948	2463796	21.60%	1.635%
9	8.092	1020	1021	1028	rVB	512196	386013	3.38%	0.256%
10	8.786	1134	1139	1144	rBV	397369	313469	2.75%	0.208%
11	8.886	1152	1156	1159	rBV	398082	325334	2.85%	0.216%
12	9.151	1197	1201	1204	rBV	6878191	5772094	50.59%	3.831%
13	9.251	1214	1218	1221	rVB2	172311	182734	1.60%	0.121%
14	9.345	1231	1234	1241	rVB	151302	162021	1.42%	0.108%
15	9.416	1241	1246	1250	rBV	200385	291316	2.55%	0.193%
16	9.486	1254	1258	1261	rBV	456539	433860	3.80%	0.288%
17	9.516	1261	1263	1265	rVB	213546	162773	1.43%	0.108%
18	9.539	1265	1267	1273	rVB	699459	553334	4.85%	0.367%
19	9.604	1275	1278	1280	rBV	247144	204307	1.79%	0.136%
20	9.686	1287	1292	1297	rVB2	275957	235797	2.07%	0.157%
21	9.827	1310	1316	1319	rBV2	2705405	2396054	21.00%	1.590%
22	9.863	1319	1322	1325	rVB	1661999	1429250	12.53%	0.949%
23	9.933	1330	1334	1338	rBV	135052	179152	1.57%	0.119%
24	9.986	1338	1343	1347	rVV2	235732	252912	2.22%	0.168%
25	10.033	1347	1351	1354	rVB	895205	823147	7.21%	0.546%
26	10.069	1354	1357	1360	rBV	199464	165293	1.45%	0.110%
27	10.145	1367	1370	1373	rBV	185653	167368	1.47%	0.111%
28	10.175	1373	1375	1378	rVB	184380	128500	1.13%	0.085%
29	10.239	1381	1386	1390	rBV3	195761	353019	3.09%	0.234%
30	10.374	1405	1409	1414	rBV	1330570	1161859	10.18%	0.771%
31	10.422	1414	1417	1418	rVV	188745	160222	1.40%	0.106%
32	10.439	1418	1420	1422	rVV	362023	305882	2.68%	0.203%
33	10.463	1422	1424	1426	rVV2	299661	248672	2.18%	0.165%
34	10.486	1426	1428	1430	rVV2	203915	190717	1.67%	0.127%

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 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.533	1433	1436	1441	rVB	432498	477372	4.18%	0.317%
36	10.616	1446	1450	1454	rVV	2878474	2858835	25.06%	1.898%
37	10.739	1468	1471	1478	rVB2	337572	406504	3.56%	0.270%
38	10.904	1495	1499	1500	rBV2	250238	260296	2.28%	0.173%
39	10.922	1500	1502	1505	rVV2	342072	355551	3.12%	0.236%
40	10.951	1505	1507	1510	rVV2	263634	240060	2.10%	0.159%
41	11.004	1514	1516	1519	rVB2	196526	186198	1.63%	0.124%
42	11.051	1522	1524	1526	rVV	231651	247937	2.17%	0.165%
43	11.074	1526	1528	1532	rVV2	297150	313703	2.75%	0.208%
44	11.116	1532	1535	1540	rVB	583126	572887	5.02%	0.380%
45	11.174	1540	1545	1547	rBV2	501760	682026	5.98%	0.453%
46	11.210	1548	1551	1557	rVB	675840	740822	6.49%	0.492%
47	11.316	1565	1569	1570	rBV	1600556	1635377	14.33%	1.085%
48	11.345	1570	1574	1577	rVV	9369998	9586612	84.03%	6.363%
49	11.386	1577	1581	1584	rVV	2735901	2486296	21.79%	1.650%
50	11.421	1584	1587	1590	rVB2	231118	236441	2.07%	0.157%
51	11.539	1602	1607	1610	rBV2	645805	726731	6.37%	0.482%
52	11.610	1616	1619	1622	rBV2	361598	344947	3.02%	0.229%
53	11.645	1622	1625	1627	rVB	303461	270565	2.37%	0.180%
54	11.721	1636	1638	1643	rVB	150454	159977	1.40%	0.106%
55	11.769	1643	1646	1648	rBV2	159865	182472	1.60%	0.121%
56	11.816	1651	1654	1656	rVV	1708099	1480645	12.98%	0.983%
57	11.845	1656	1659	1663	rVV	2647683	2407848	21.10%	1.598%
58	11.892	1663	1667	1669	rVV	829911	828780	7.26%	0.550%
59	11.927	1669	1673	1675	rVV2	2339442	2609456	22.87%	1.732%
60	11.951	1675	1677	1681	rVB	1198949	970715	8.51%	0.644%
61	12.110	1701	1704	1706	rVV	1188930	1047032	9.18%	0.695%
62	12.127	1706	1707	1712	rVB2	799129	669291	5.87%	0.444%
63	12.186	1714	1717	1719	rBV	222142	185740	1.63%	0.123%
64	12.257	1724	1729	1732	rBV2	538279	747112	6.55%	0.496%
65	12.292	1732	1735	1737	rVV	381207	378643	3.32%	0.251%
66	12.316	1737	1739	1742	rVB	384685	323963	2.84%	0.215%
67	12.368	1744	1748	1751	rVV	1019838	1158362	10.15%	0.769%
68	12.404	1751	1754	1759	rVB3	571123	958984	8.41%	0.637%
69	12.451	1759	1762	1767	rVB3	794181	930585	8.16%	0.618%
70	12.539	1771	1777	1780	rBV	8447315	10151153	88.97%	6.738%
71	12.633	1790	1793	1795	rBV2	400575	396942	3.48%	0.263%

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72	12.768	1809	1816	1820	rBV2	7655240	11409041	100.00%	7.573%
73	12.874	1831	1834	1835	rBV	636613	516246	4.52%	0.343%
74	12.898	1835	1838	1845	rVB2	3889514	4082426	35.78%	2.710%
75	12.974	1846	1851	1854	rBV2	899492	1445834	12.67%	0.960%
76	13.080	1867	1869	1872	rVB2	1322635	1265774	11.09%	0.840%
77	13.151	1877	1881	1883	rBV2	768927	778604	6.82%	0.517%
78	13.186	1884	1887	1890	rBV2	1266662	1170849	10.26%	0.777%
79	13.280	1900	1903	1905	rBV	755903	548505	4.81%	0.364%
80	13.310	1905	1908	1911	rBV	786134	691457	6.06%	0.459%
81	13.586	1952	1955	1960	rBV	743667	800560	7.02%	0.531%
82	13.698	1971	1974	1977	rBV2	800214	1016885	8.91%	0.675%
83	13.727	1977	1979	1981	rVV	805188	654703	5.74%	0.435%
84	13.751	1981	1983	1988	rVB2	584365	648913	5.69%	0.431%
85	13.798	1988	1991	1992	rBV	513474	439395	3.85%	0.292%
86	13.951	2012	2017	2020	rBV3	4239892	6193556	54.29%	4.111%
87	13.986	2020	2023	2030	rVB	4579954	4892408	42.88%	3.247%
88	14.057	2033	2035	2039	rBV	505312	512687	4.49%	0.340%
89	14.133	2045	2048	2051	rBV3	523737	674544	5.91%	0.448%
90	14.339	2081	2083	2085	rVB	608504	460034	4.03%	0.305%
91	14.986	2188	2193	2196	rBV	2624273	4686275	41.08%	3.110%
92	15.274	2238	2242	2248	rVB	1844803	2747967	24.09%	1.824%
93	15.339	2248	2253	2258	rBV	2271896	2754618	24.14%	1.828%
94	15.392	2259	2262	2265	rBV	775698	1062830	9.32%	0.705%
95	15.427	2265	2268	2273	rVB3	747816	1172055	10.27%	0.778%
96	16.815	2499	2504	2509	rVB2	918121	1665769	14.60%	1.106%

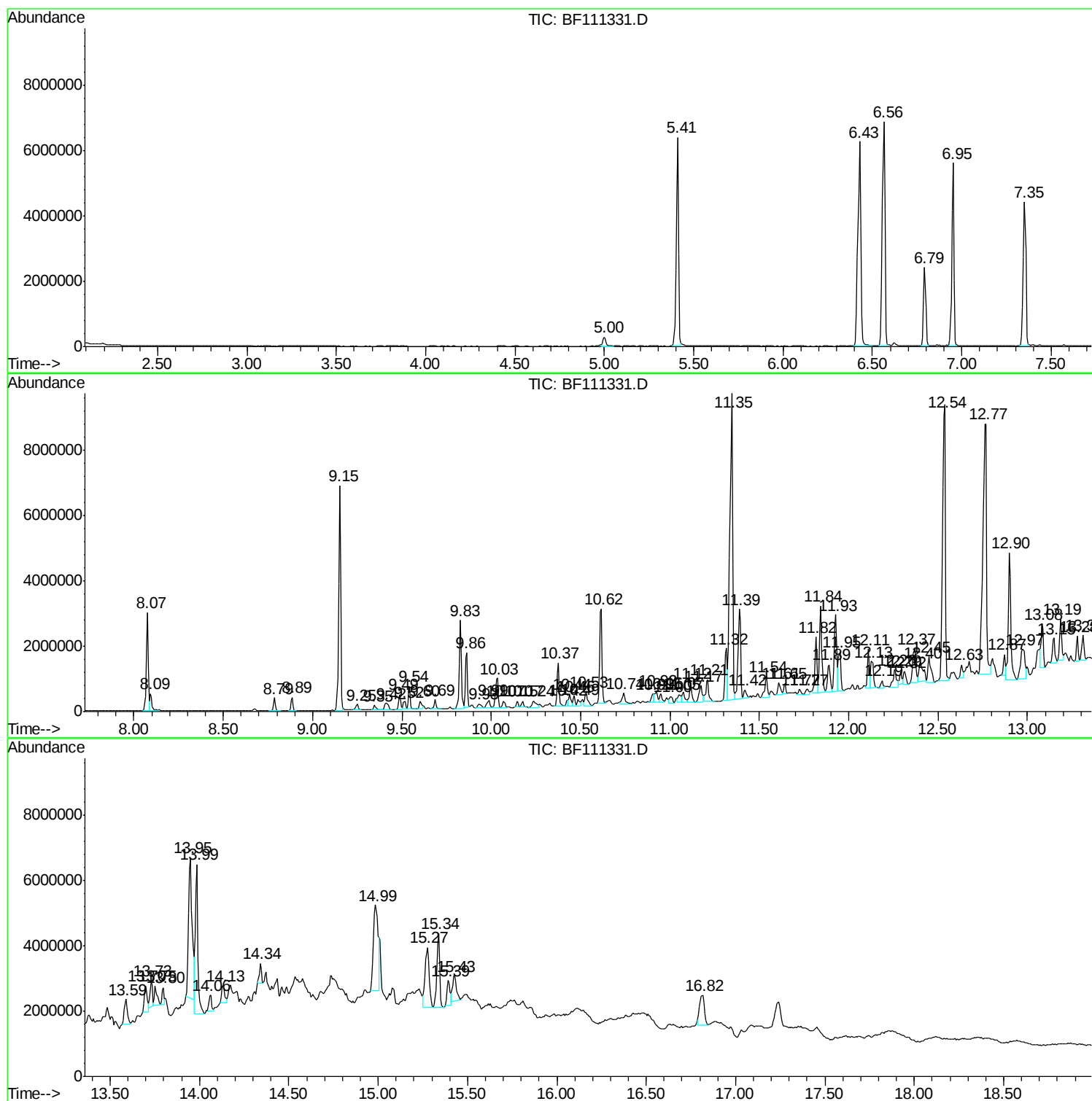
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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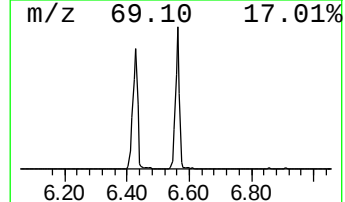
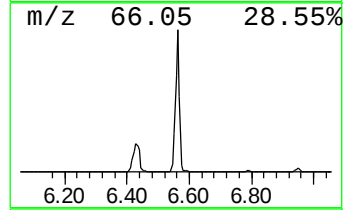
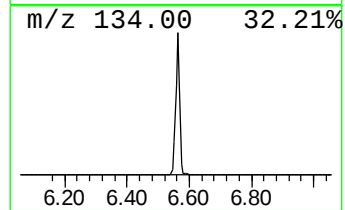
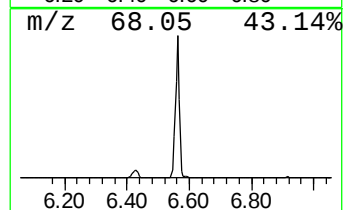
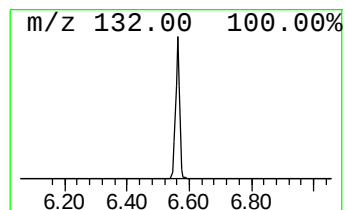
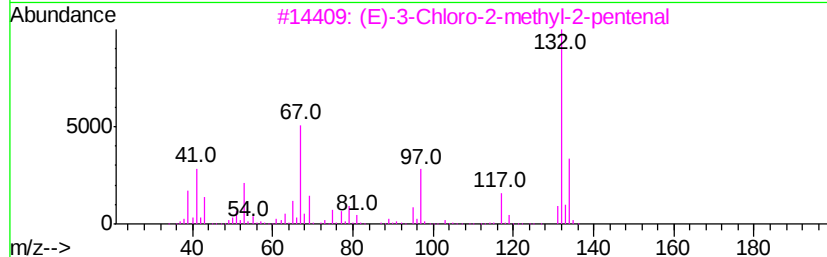
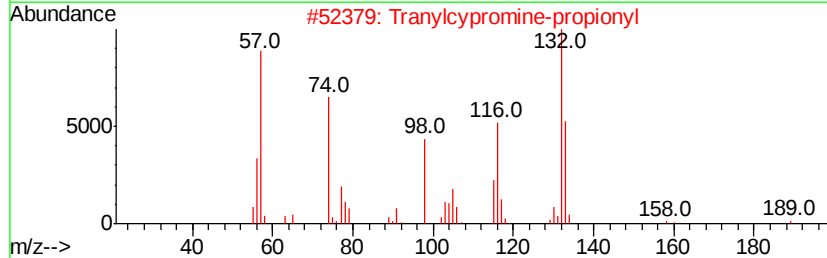
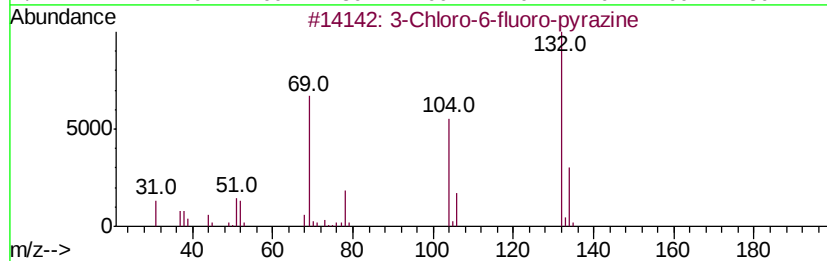
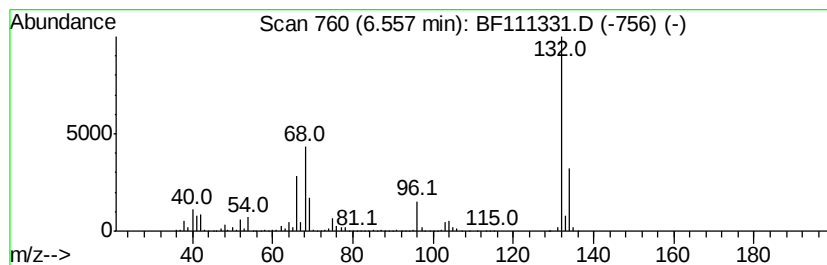
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown6.56 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.56	67.50 ng	6425990	1,4-Dichlorobenzene-d4	6.79

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2		Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
3		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	12
4		1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	9
5		Xenon	132	Xe	007440-63-3	9



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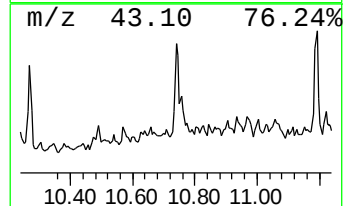
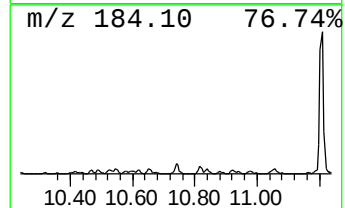
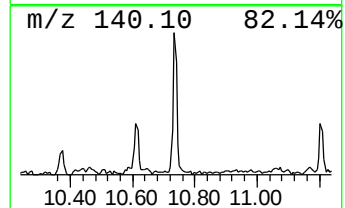
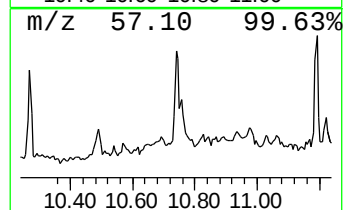
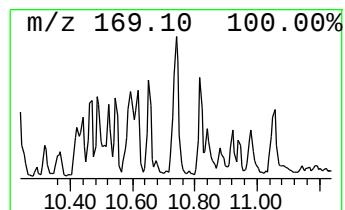
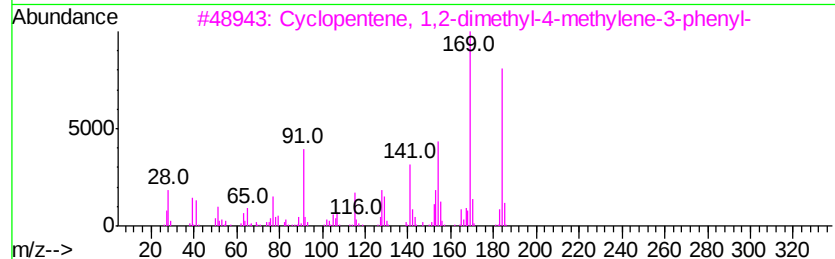
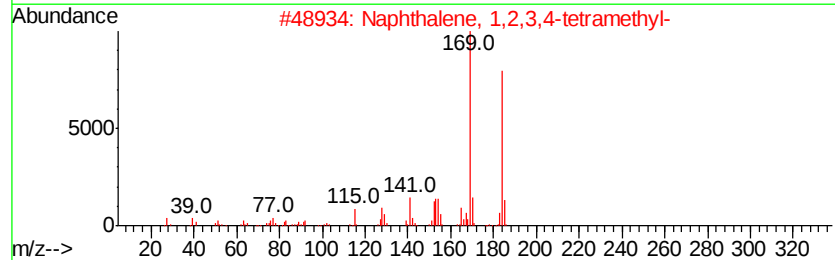
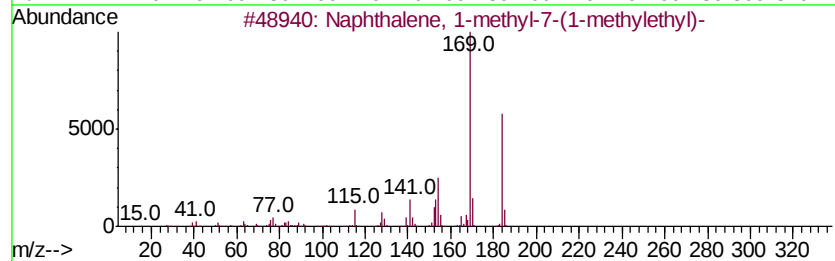
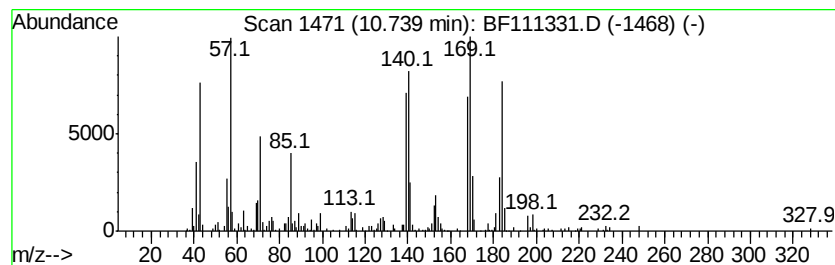
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121218.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 unknown10.74 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.74	4.97 ng	406504	Phenanthrene-d10	11.32

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1-methyl-7-(1-methyl-...	184	C14H16	000490-65-3	30
2		Naphthalene, 1,2,3,4-tetramethyl-	184	C14H16	003031-15-0	30
3		Cyclopentene, 1,2-dimethyl-4-met...	184	C14H16	1000152-22-4	30
4		1(2H)-Acenaphthylene	168	C12H8O	002235-15-6	25
5		Benz[cd]indol-2(1H)-one	169	C11H7NO	000130-00-7	18



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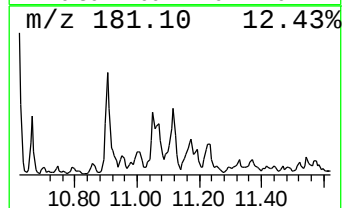
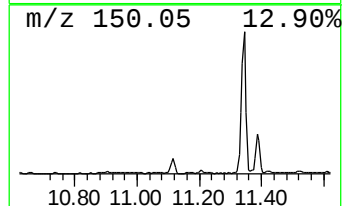
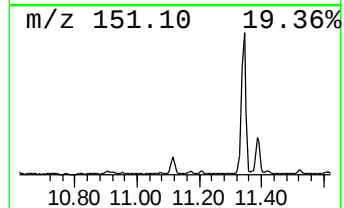
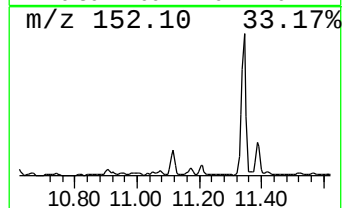
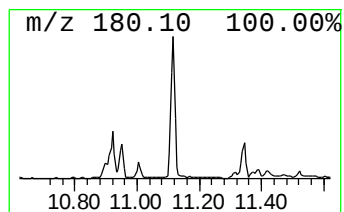
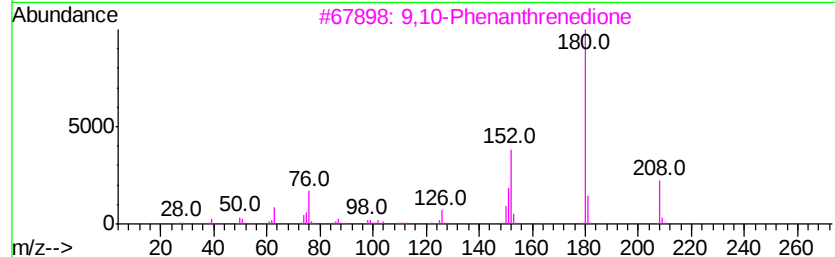
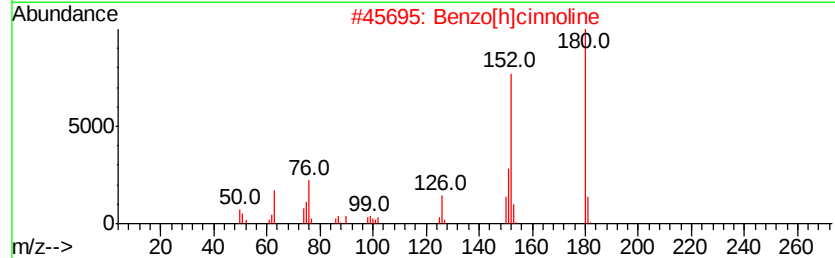
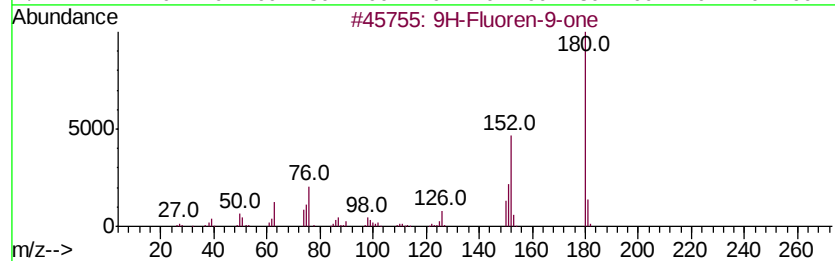
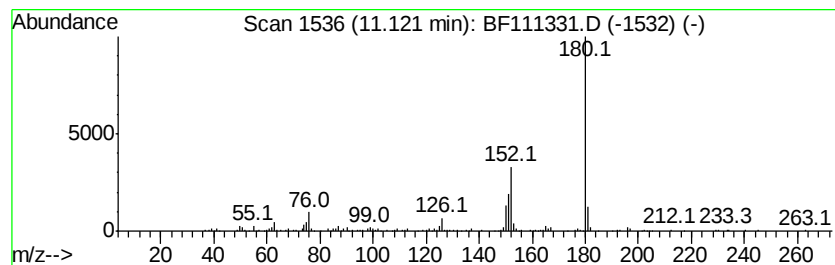
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 9H-Fluoren-9-one Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD		R.T.		
11.12	7.01 ng	572887	Phenanthrene-d10		11.32		
Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			9H-Fluoren-9-one	180	C13H8O	000486-25-9	95
2			Benzo[h]cinnoline	180	C12H8N2	000230-31-9	91
3			9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	86
4			Diphenic anhydride	224	C14H8O3	006050-13-1	68
5			2-Benzothiazolamine, 4-methoxy-	180	C8H8N2OS	005464-79-9	53



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121218\
Data File : BF111331.D
Acq On : 12 Dec 2018 19:43
Operator : JU/SJ
Sample : J6214-23
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SB-3(0-2)

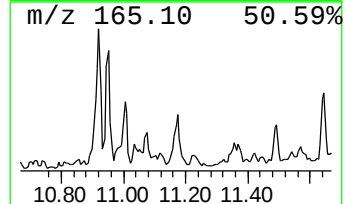
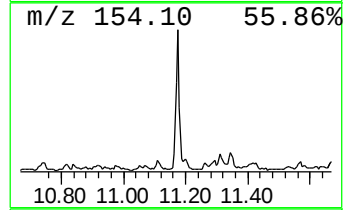
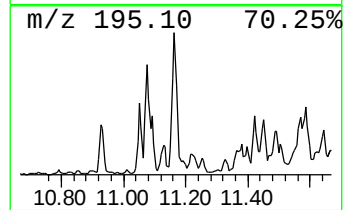
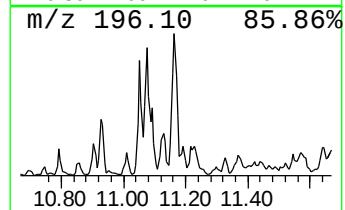
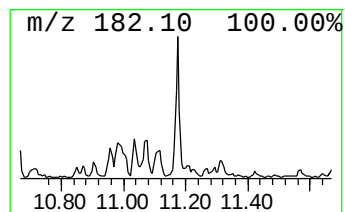
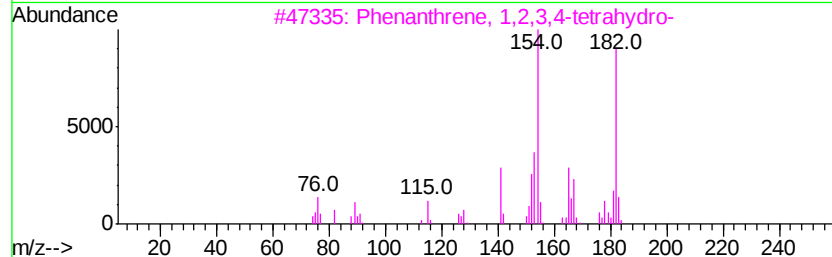
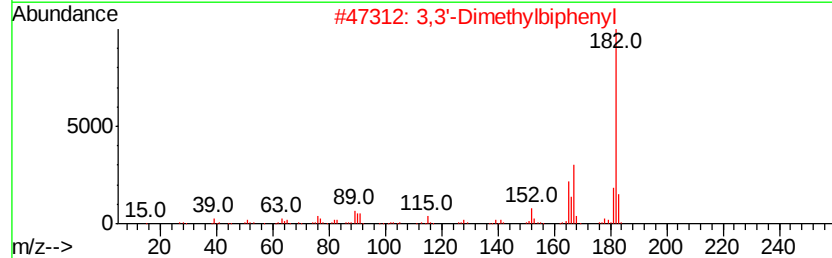
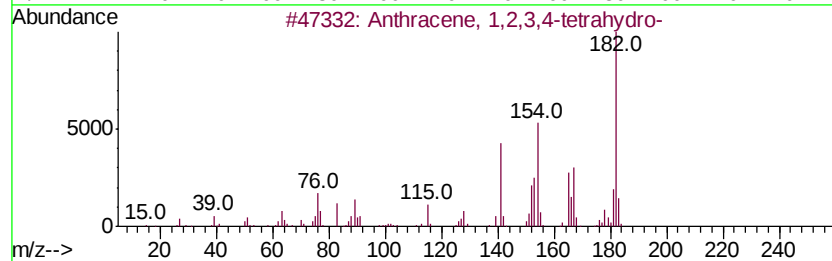
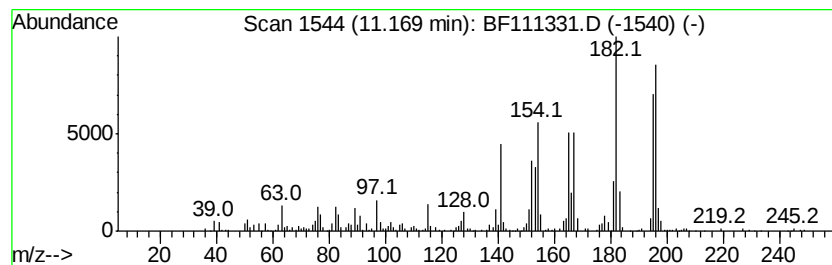
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Anthracene, 1,2,3,4-tetrahydro... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.17	8.34 ng	682026	Phenanthrene-d10	11.32

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	93
2		3,3'-Dimethylbiphenyl	182	C14H14	000612-75-9	55
3		Phenanthrene, 1,2,3,4-tetrahydro-	182	C14H14	001013-08-7	55
4		1,1'-Biphenyl, 3,4'-dimethyl-	182	C14H14	007383-90-6	49
5		3-Ethyl-1,2-dihydro-6-methyl-5-n...	182	C8H10N2O3	1000241-09-2	43



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121218\
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Acq On : 12 Dec 2018 19:43
Operator : JU/SJ
Sample : J6214-23
Misc :
ALS Vial : 11 Sample Multiplier: 1

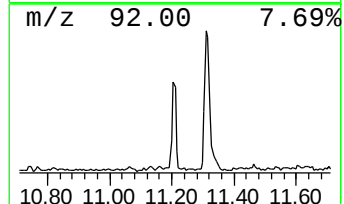
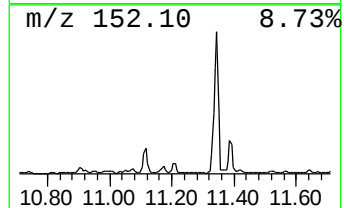
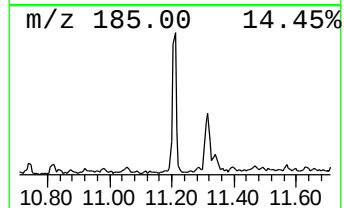
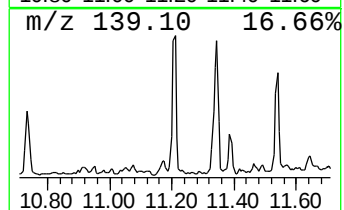
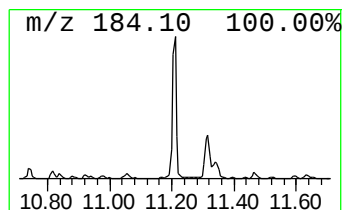
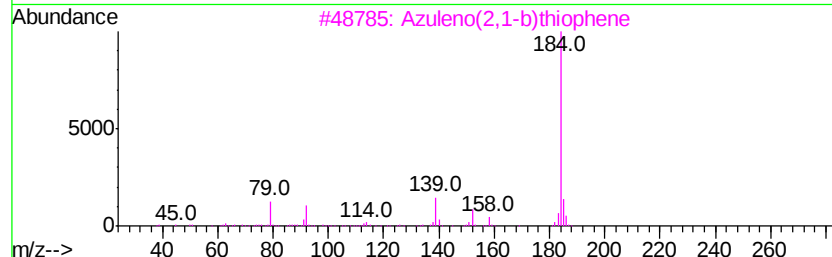
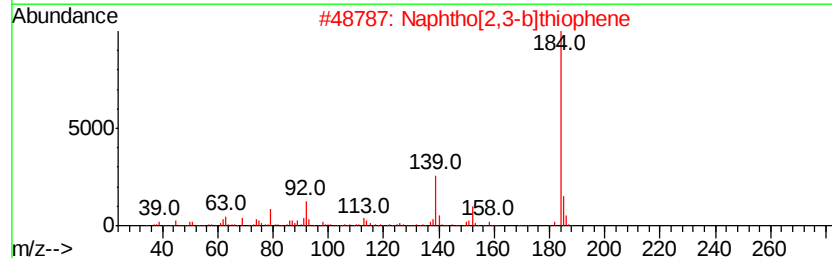
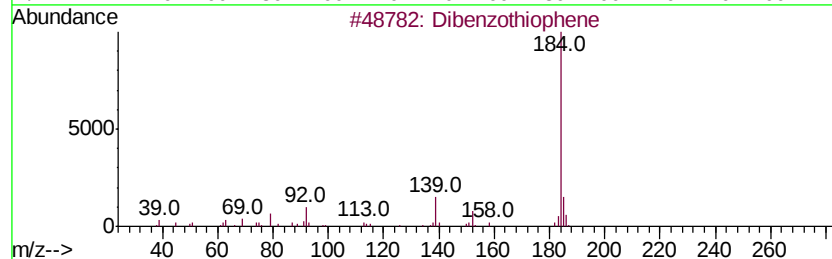
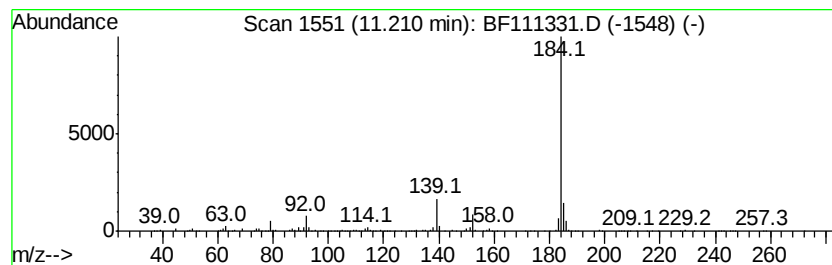
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Dibenzothiophene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD		R.T.
11.21	9.06 ng	740822	Phenanthrene-d10		11.32
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	94
3	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
4	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	91
5	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121218\
Data File : BF111331.D
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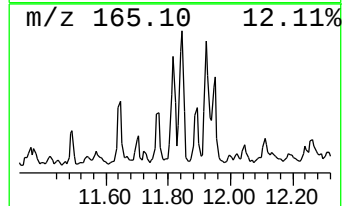
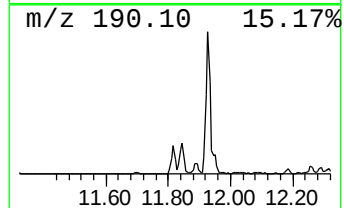
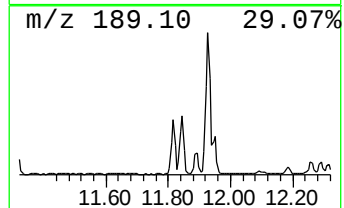
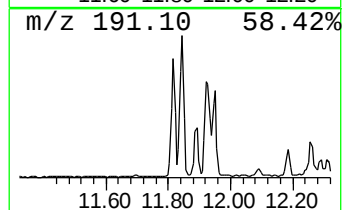
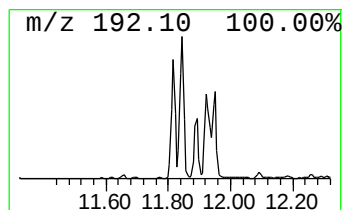
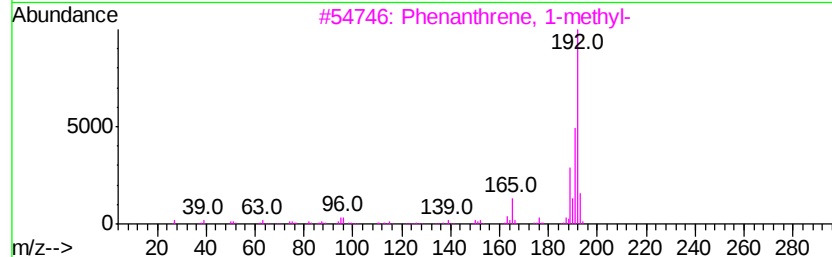
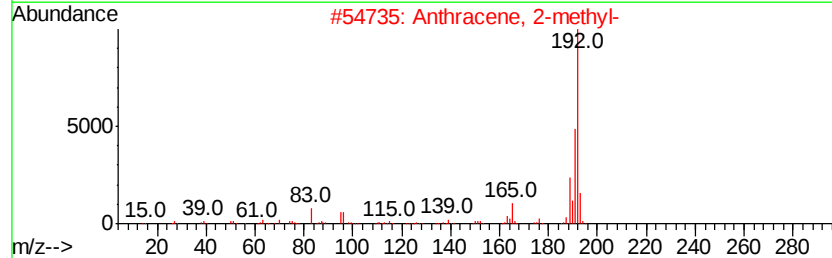
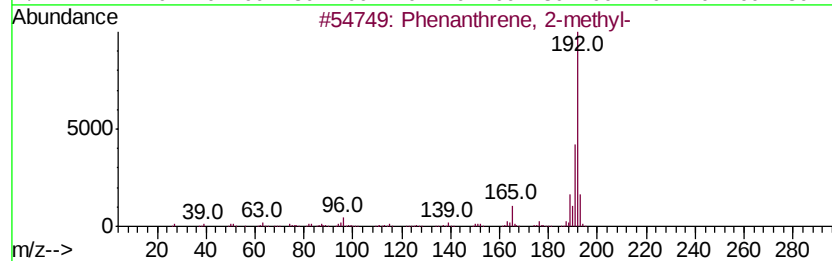
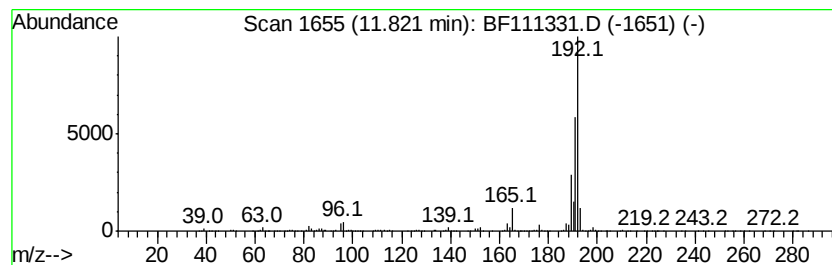
Instrument :
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ClientSampled :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.82	18.11 ng	1480650	Phenanthrene-d10	11.32	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
4	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	93
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121218\
Data File : BF111331.D
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Operator : JU/SJ
Sample : J6214-23
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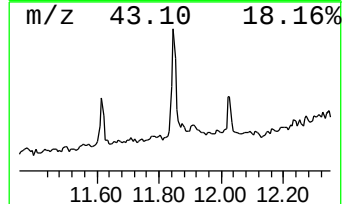
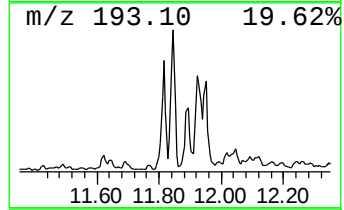
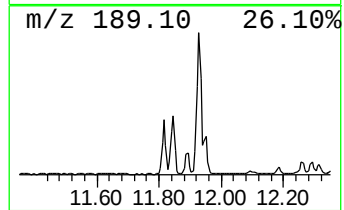
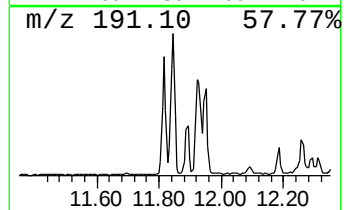
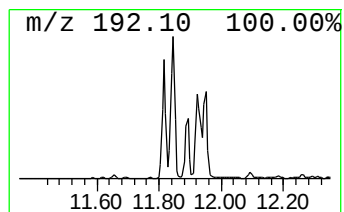
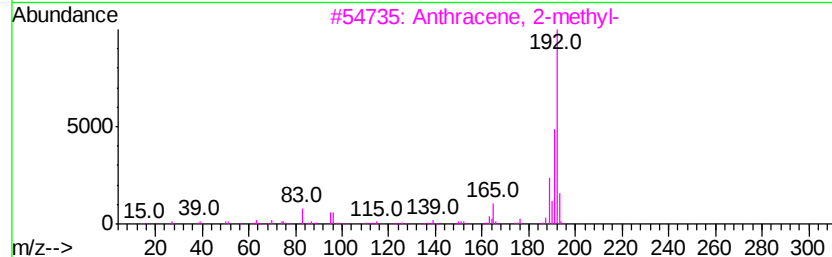
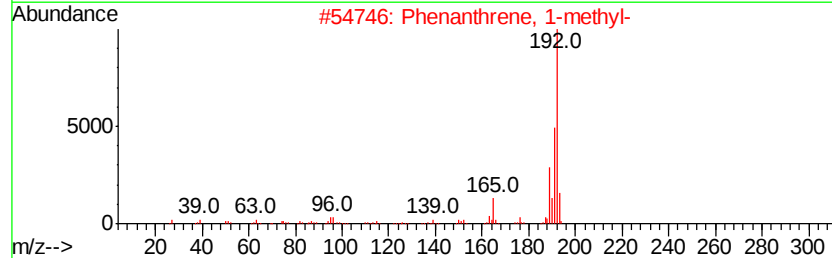
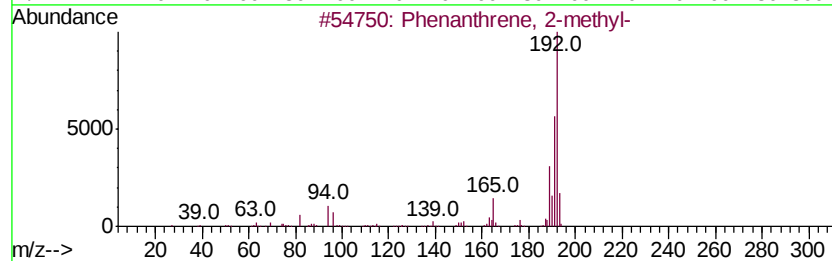
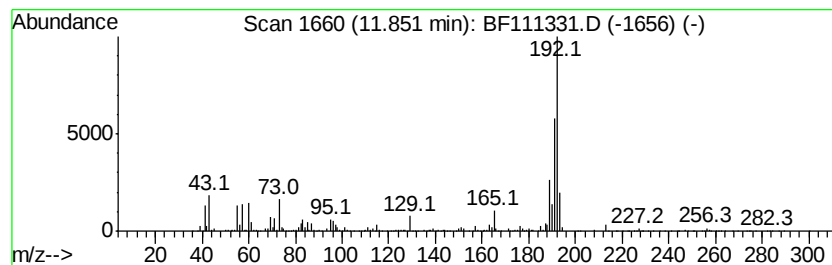
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Phenanthrene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.85	29.45 ng	2407850	Phenanthrene-d10	11.32	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	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-Indene, 2-phenyl-	192	C15H12	004505-48-0	95



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121218\
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Sample : J6214-23
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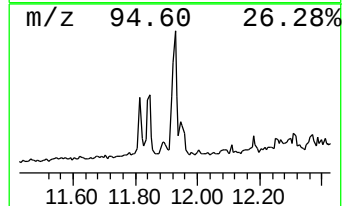
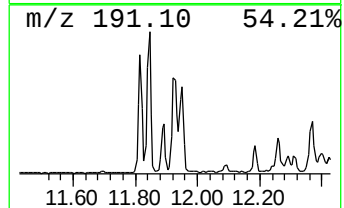
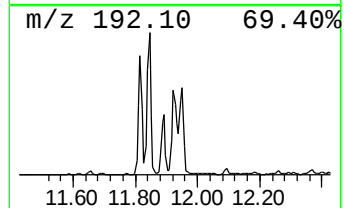
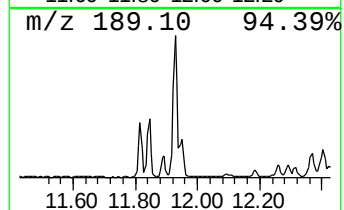
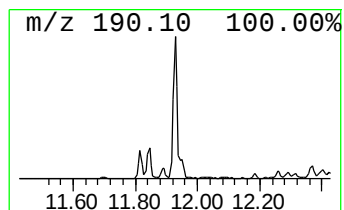
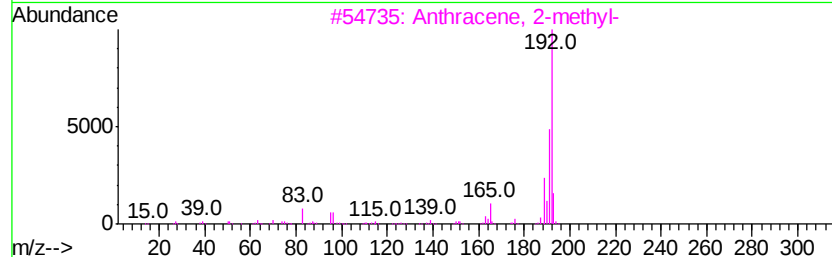
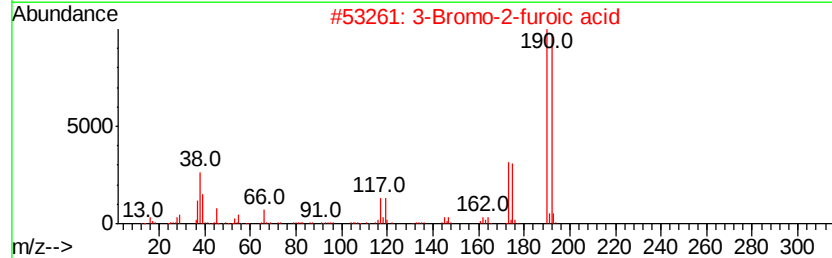
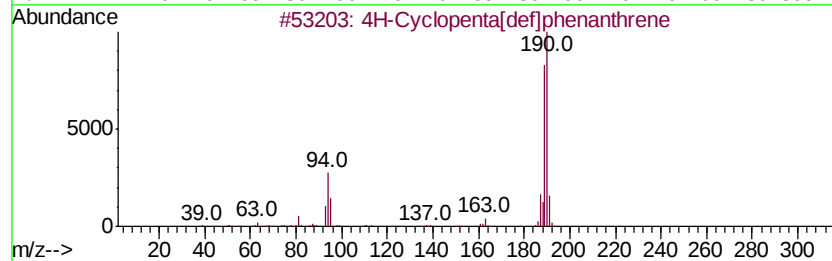
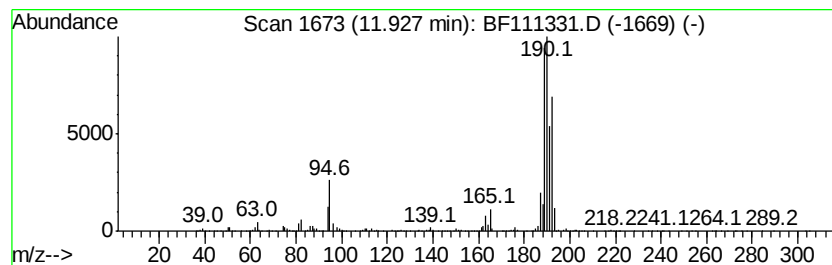
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.93	31.91 ng	2609460	Phenanthrene-d10	11.32	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	92
2	3-Bromo-2-furoic acid	190	C5H3BrO3	014903-90-3	27
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	25
4	Benzene, 1,1'-(1,2-propadienyld...	192	C15H12	014251-57-1	22
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	20



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121218\
Data File : BF111331.D
Acq On : 12 Dec 2018 19:43
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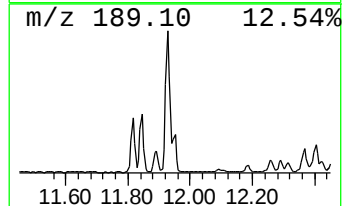
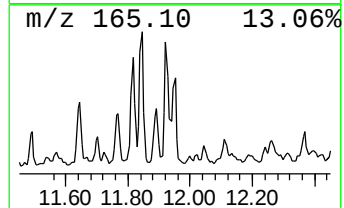
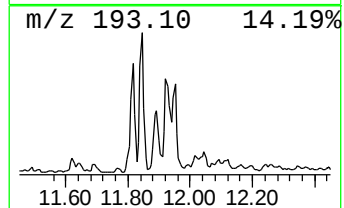
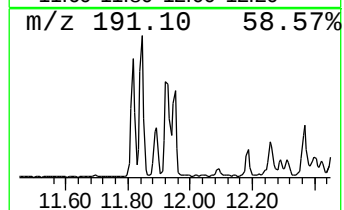
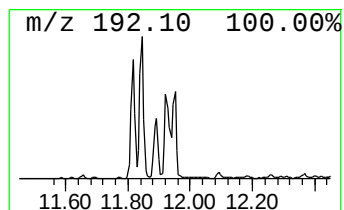
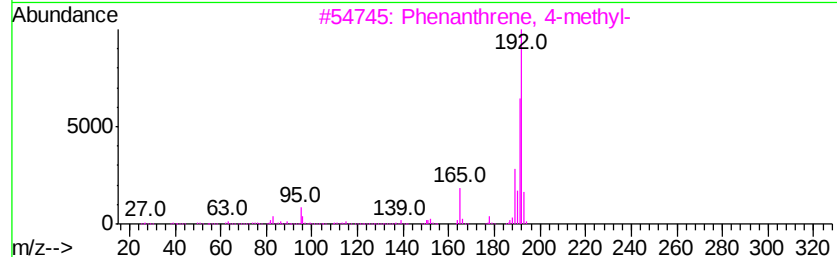
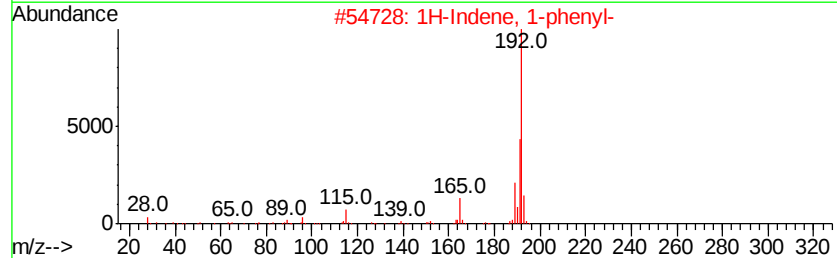
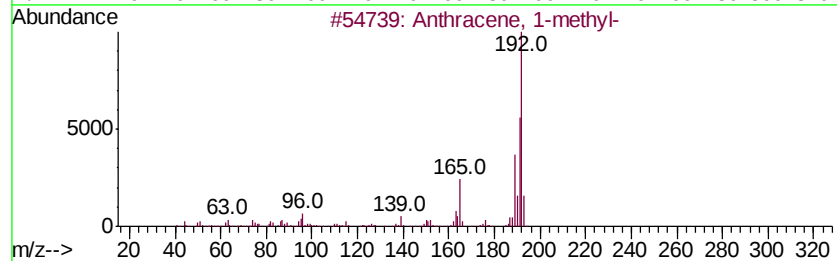
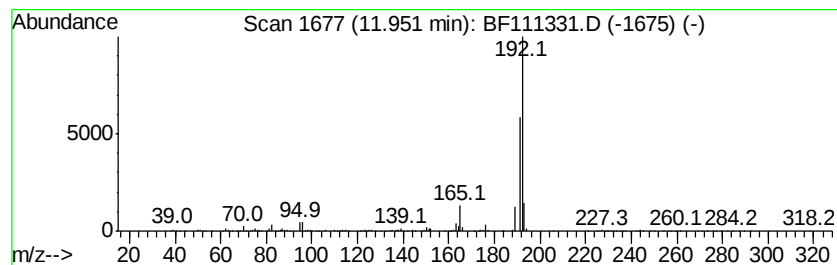
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Anthracene, 1-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.95	11.87 ng	970715	Phenanthrene-d10	11.32

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
2		1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	90
3		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	90
4		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	90
5		1H-Cyclopropa[1]phenanthrene, 1a, ...	192	C15H12	000949-41-7	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121218\
Data File : BF111331.D
Acq On : 12 Dec 2018 19:43
Operator : JU/SJ
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ALS Vial : 11 Sample Multiplier: 1

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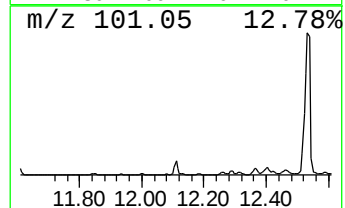
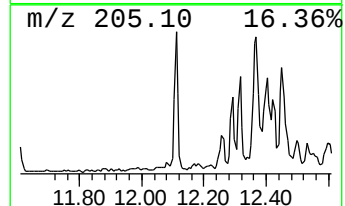
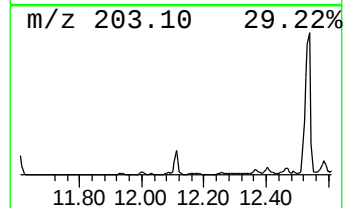
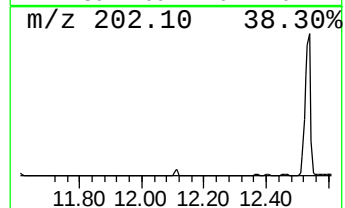
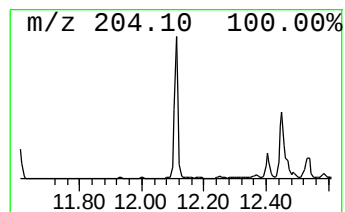
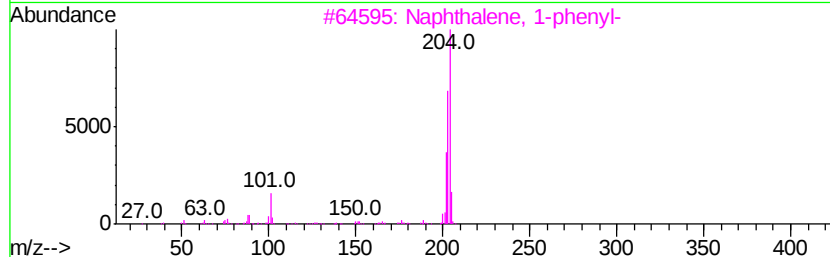
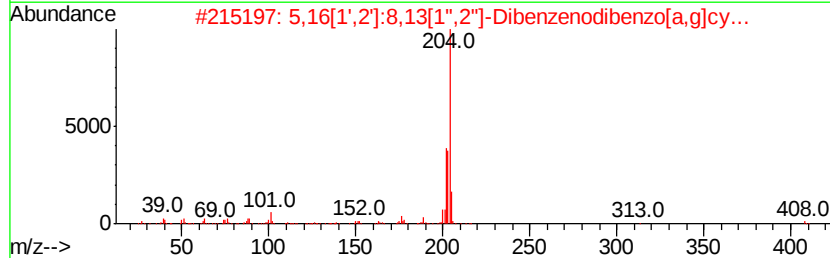
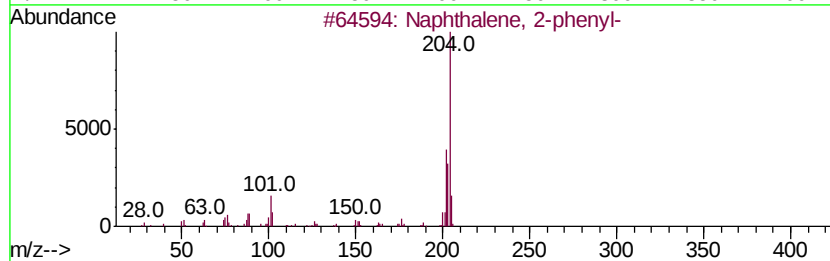
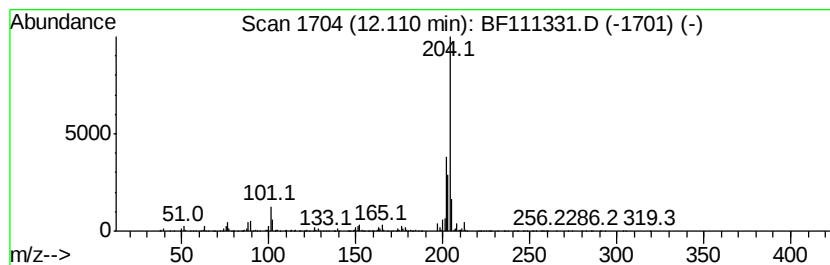
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Naphthalene, 1-phenyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.11	12.80 ng	1047030	Phenanthrene-d10	11.32

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2		5,16[1',2'] : 8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
3		Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	78
4		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	58
5		9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	47



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121218\
Data File : BF111331.D
Acq On : 12 Dec 2018 19:43
Operator : JU/SJ
Sample : J6214-23
Misc :
ALS Vial : 11 Sample Multiplier: 1

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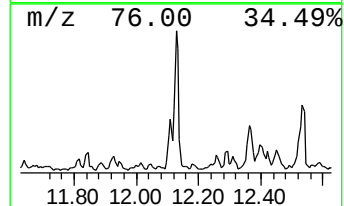
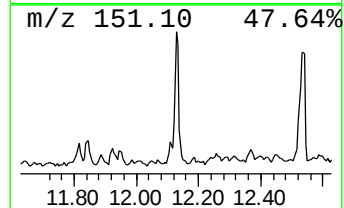
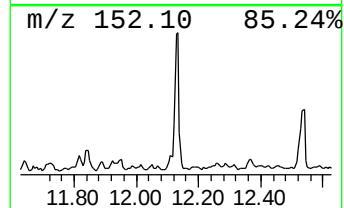
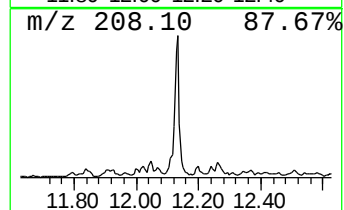
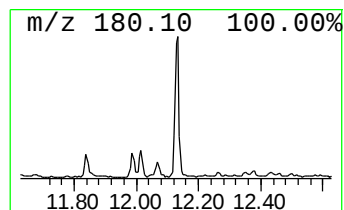
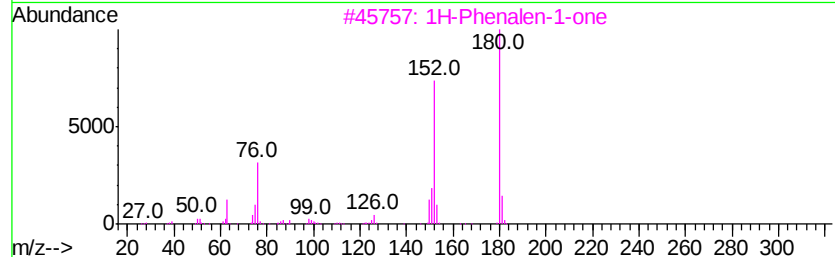
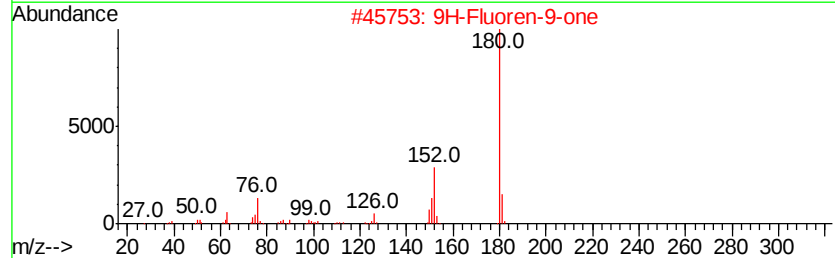
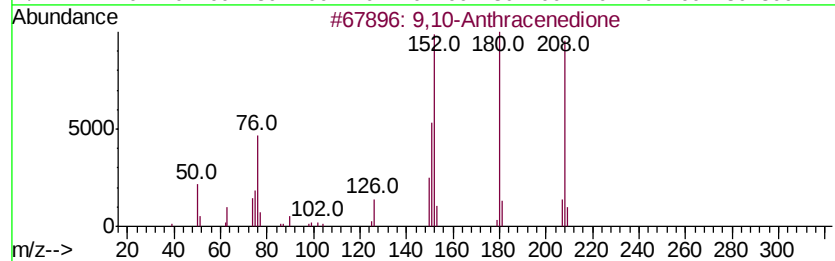
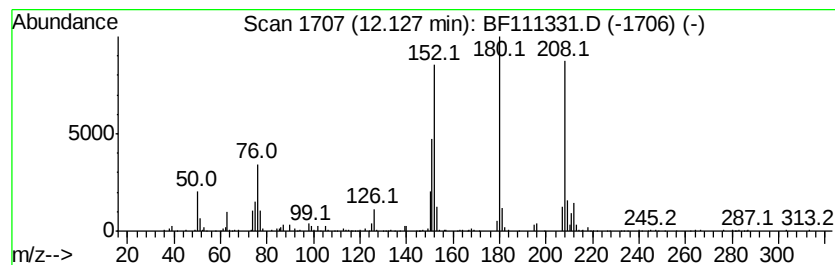
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 9,10-Anthracenedione Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.13	8.19 ng	669291	Phenanthrene-d10	11.32

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9,10-Anthracenedione	208	C14H8O2	000084-65-1	95
2		9H-Fluoren-9-one	180	C13H8O	000486-25-9	90
3		1H-Phenalen-1-one	180	C13H8O	000548-39-0	78
4		Benzo[cl]cinoline	180	C12H8N2	000230-17-1	64
5		1,4-Anthracenedione	208	C14H8O2	000635-12-1	58



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121218\
Data File : BF111331.D
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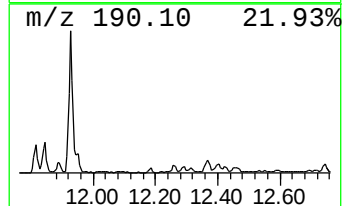
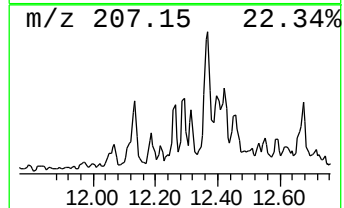
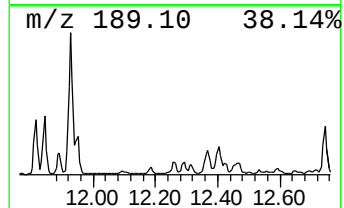
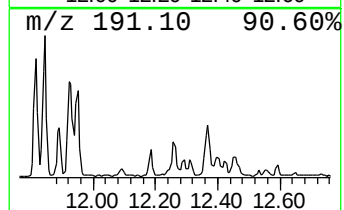
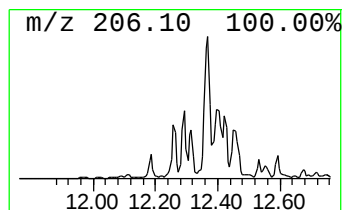
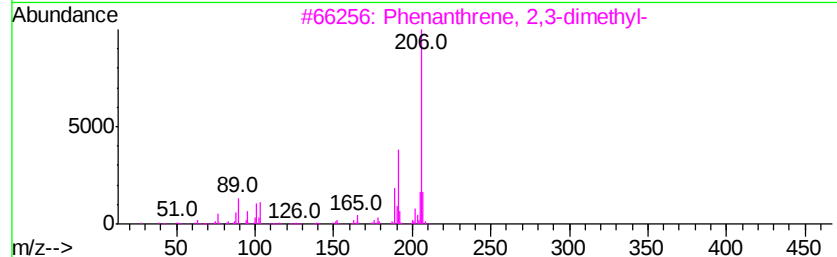
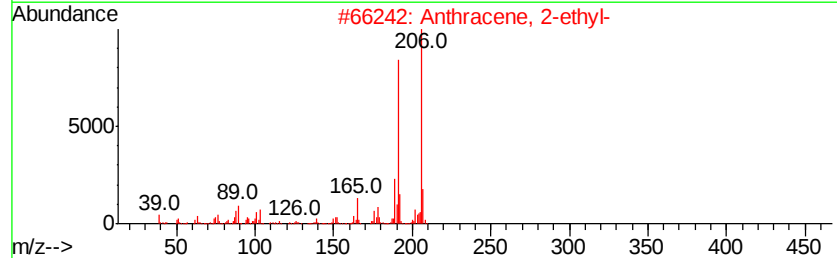
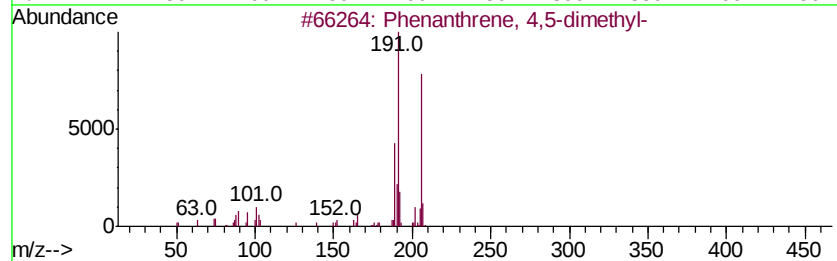
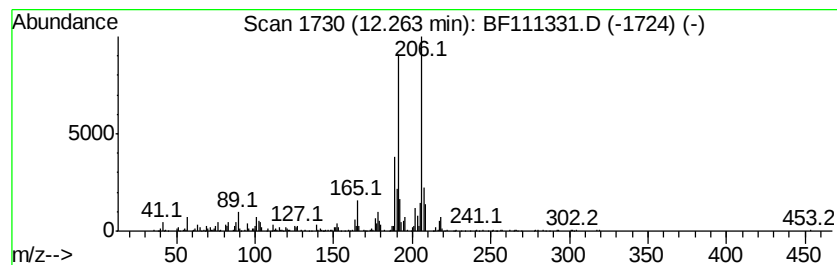
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Phenanthrene, 4,5-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.26	9.14 ng	747112	Phenanthrene-d10	11.32

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	96
2		Anthracene, 2-ethyl-	206	C16H14	052251-71-5	93
3		Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
4		9,10-Dimethylantracene	206	C16H14	000781-43-1	90
5		Phenanthrene, 9,10-dimethyl-	206	C16H14	000604-83-1	81



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121218\
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Sample : J6214-23
Misc :
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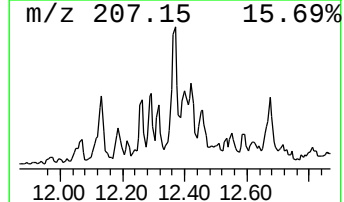
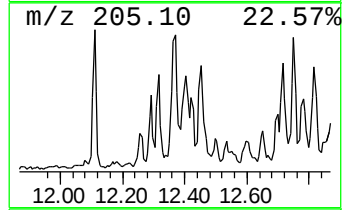
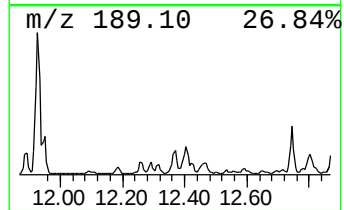
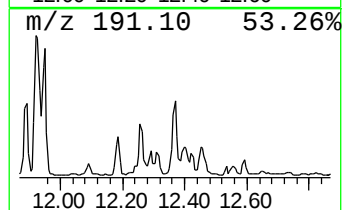
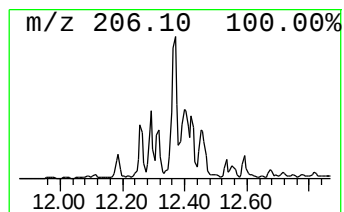
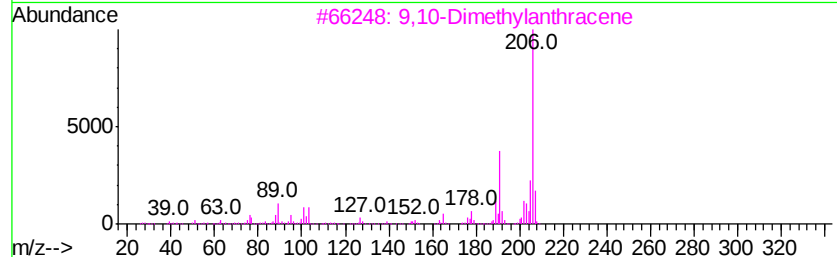
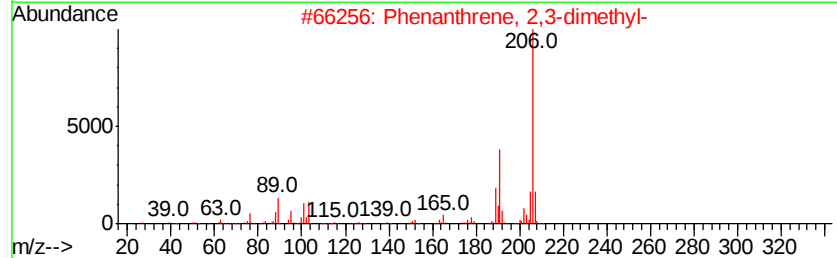
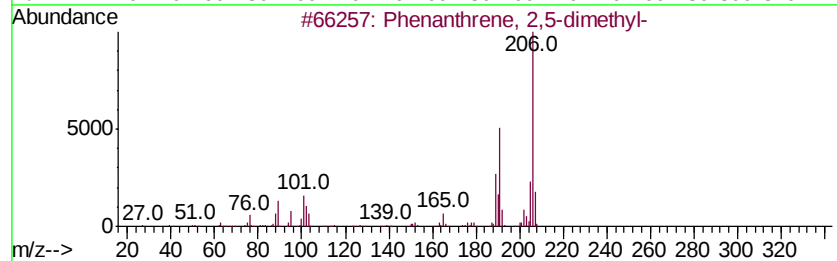
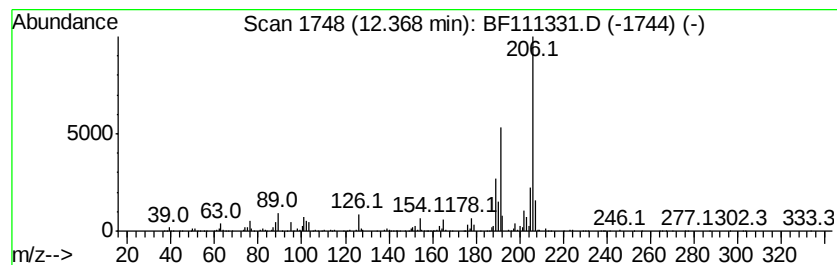
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Phenanthrene, 2,5-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.37	14.17 ng	1158360	Phenanthrene-d10	11.32

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2		Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90
3		9,10-Dimethylanthracene	206	C16H14	000781-43-1	86
4		1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	83
5		Phenanthrene, 9,10-dimethyl-	206	C16H14	000604-83-1	76



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121218\
Data File : BF111331.D
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ClientSampleId :
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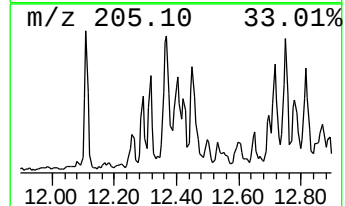
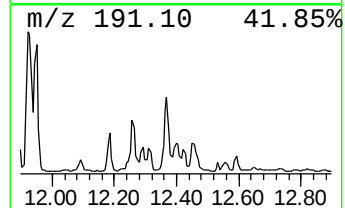
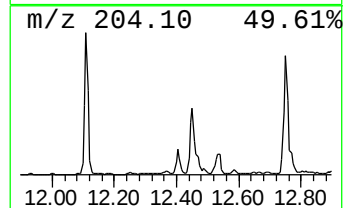
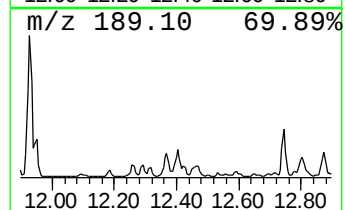
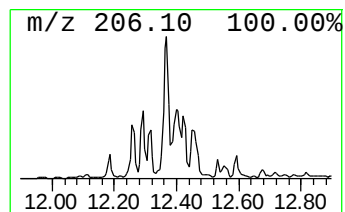
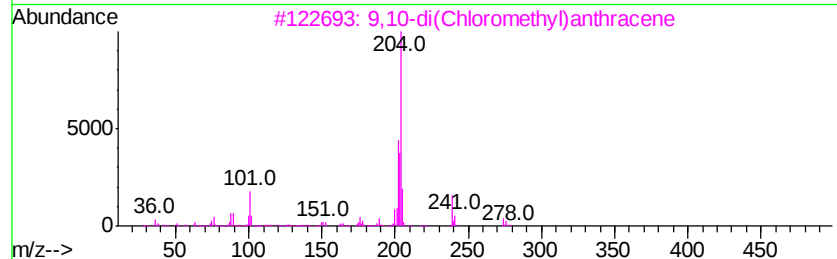
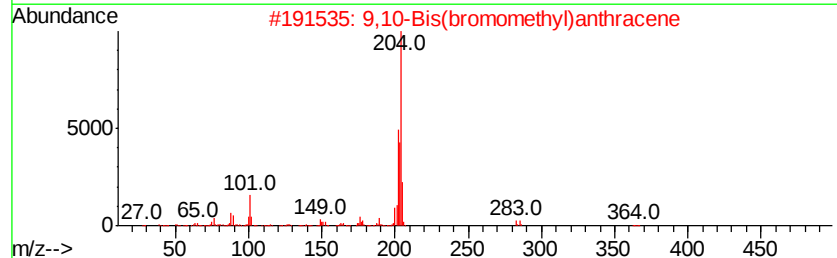
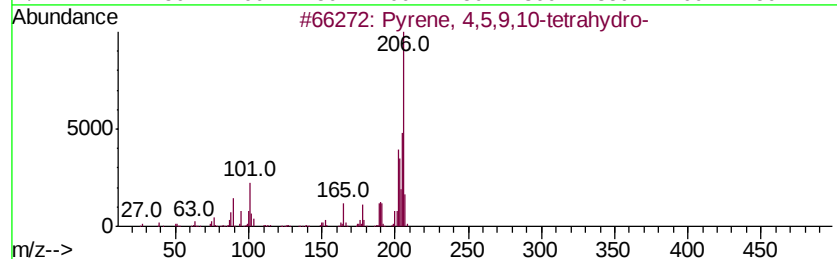
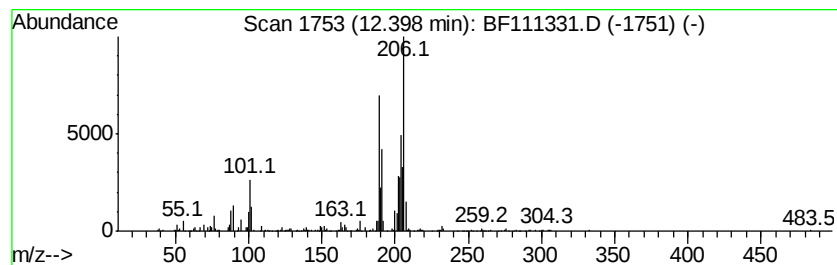
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 unknown12.40 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.40	11.73 ng	958984	Phenanthrene-d10	11.32

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	38
2		9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	35
3		9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	35
4		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	30
5		1,3-Butadiene, 1,4-diphenyl-, (E...	206	C16H14	000538-81-8	25



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121218\
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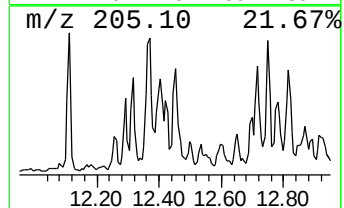
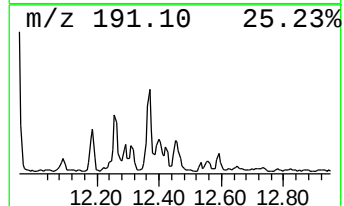
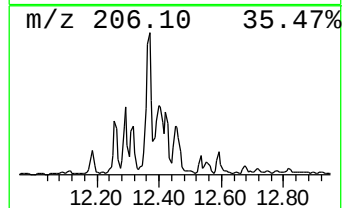
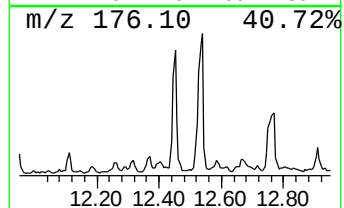
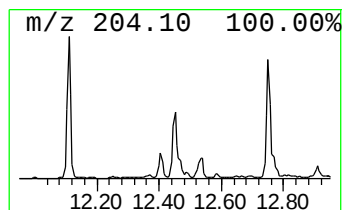
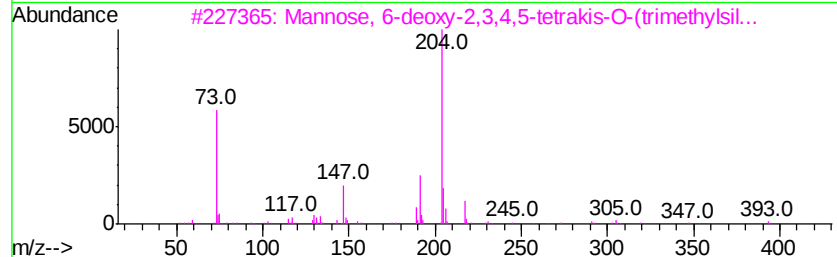
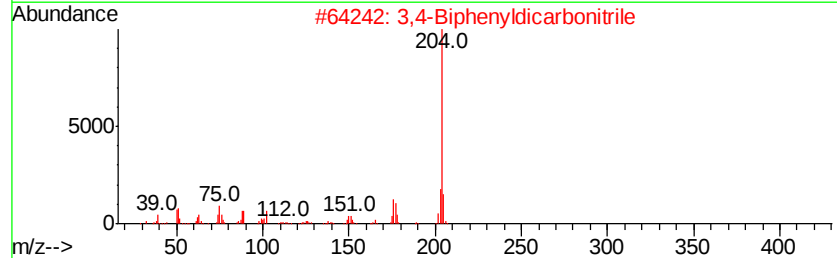
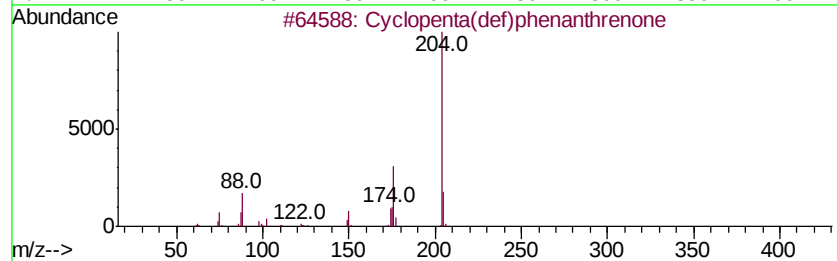
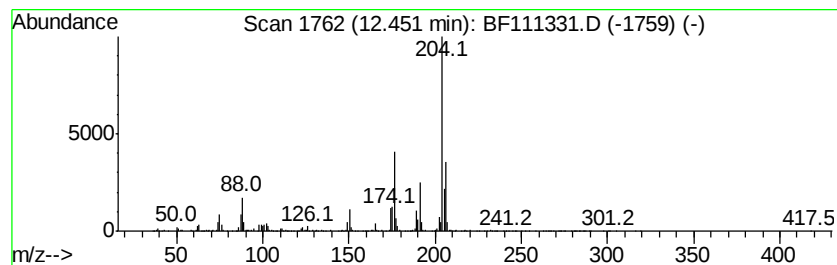
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Cyclopenta(def)phenanthrenone Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.45	11.38 ng	930585	Phenanthrene-d10	11.32

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2		3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	47
3		Mannose, 6-deoxy-2,3,4,5-tetraki...	452	C18H44O5Si4	019127-15-2	47
4		[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	47
5		[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	43



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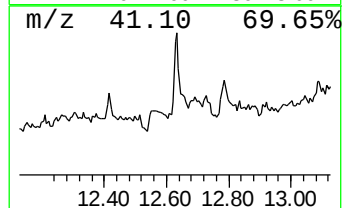
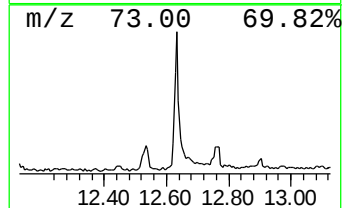
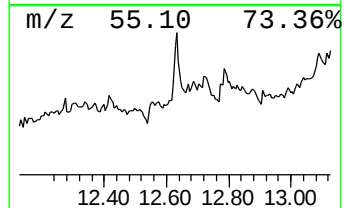
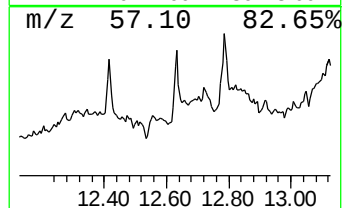
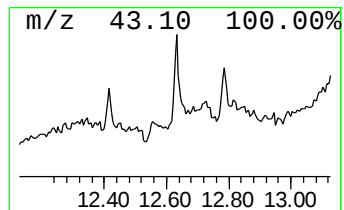
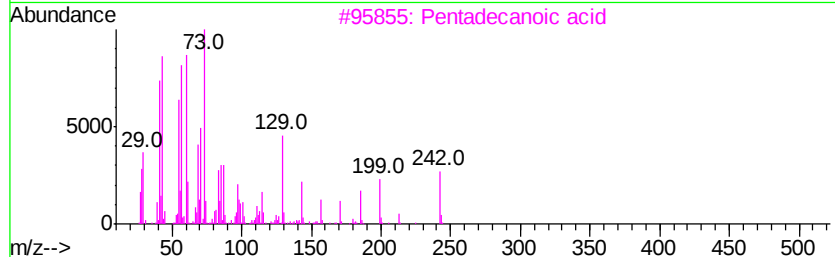
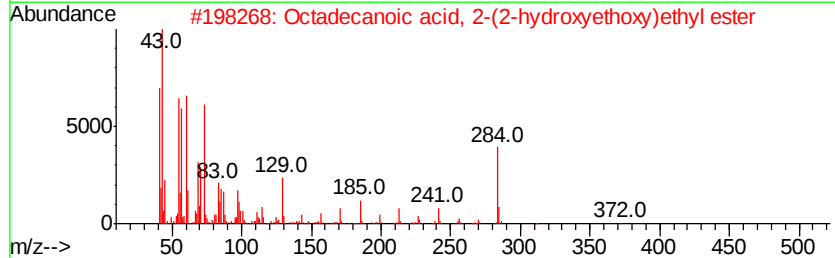
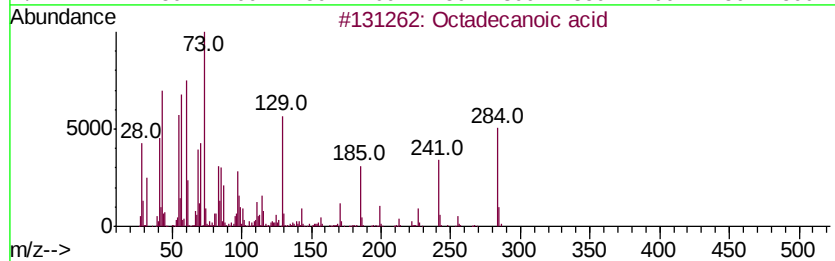
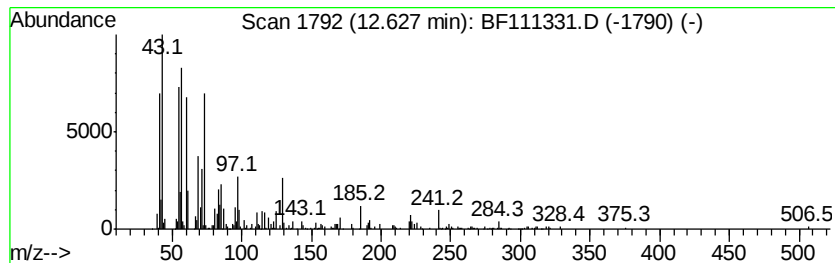
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Octadecanoic acid Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.63	4.85 ng	396942	Phenanthrene-d10	11.32

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octadecanoic acid	284	C18H36O2	000057-11-4	95
2			Octadecanoic acid, 2-(2-hydroxyve...	372	C22H44O4	000106-11-6	72
3			Pentadecanoic acid	242	C15H30O2	001002-84-2	64
4			Octadecanoic acid, 2-hydroxy-1,3...	625	C39H76O5	000504-40-5	58
5			Tetradecanoic acid	228	C14H28O2	000544-63-8	52



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121218\
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Misc :
ALS Vial : 11 Sample Multiplier: 1

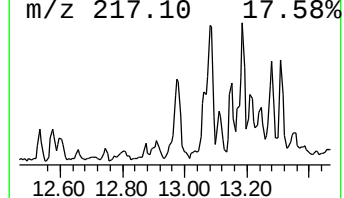
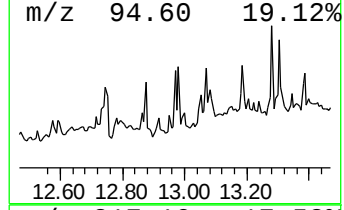
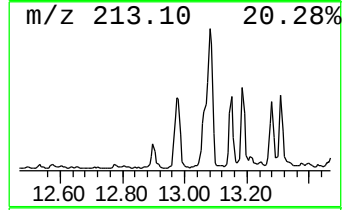
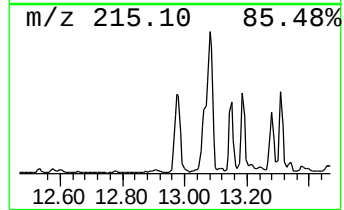
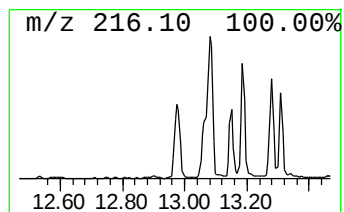
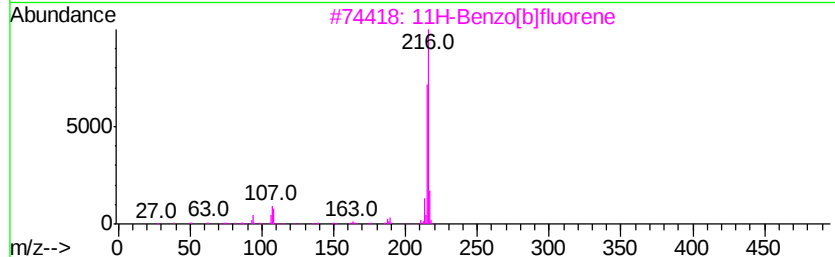
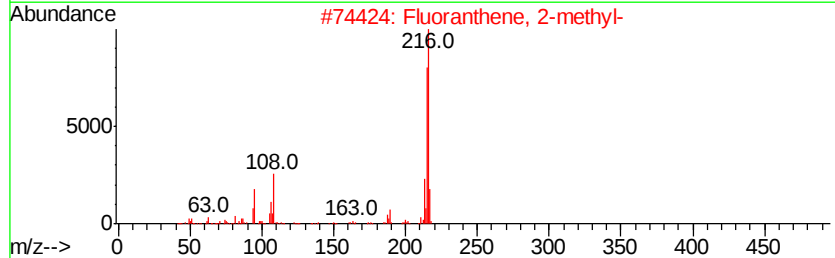
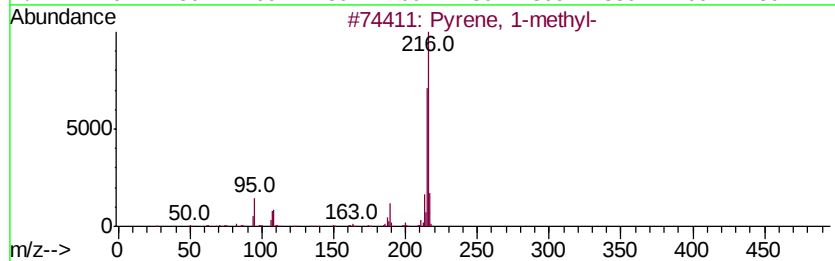
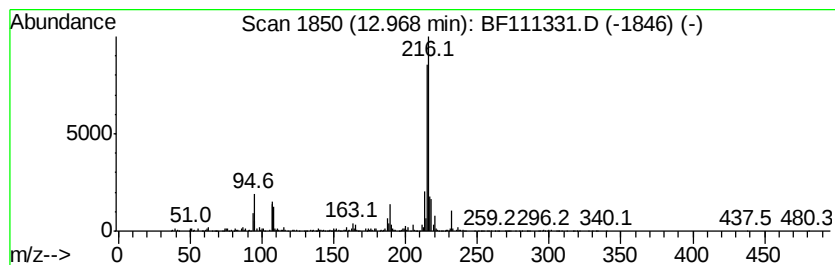
Instrument :
BNA_F
ClientSampleId :
SB-3(0-2)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Pyrene, 1-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.97	4.67 ng	1445830	Chrysene-d12	13.96
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Pyrene, 1-methyl-	216 C17H12	002381-21-7 96
2		Fluoranthene, 2-methyl-	216 C17H12	033543-31-6 89
3		11H-Benzo[b]fluorene	216 C17H12	000243-17-4 87
4		Pyrene, 4-methyl-	216 C17H12	003353-12-6 86
5		11H-Benzo[a]fluorene	216 C17H12	000238-84-6 76



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF121218\
 Data File : BF111331.D
 Acq On : 12 Dec 2018 19:43
 Operator : JU/SJ
 Sample : J6214-23
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-3(0-2)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121218.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
unknown6.56	6.56	67.5	ng	6425990	1	6.79	1903940	20.0
unknown10.74	10.74	5.0	ng	406504	4	11.32	1635380	20.0
9H-Fluoren-9-one	11.12	7.0	ng	572887	4	11.32	1635380	20.0
Anthracene, 1,2,3...	11.17	8.3	ng	682026	4	11.32	1635380	20.0
Dibenzothiophene	11.21	9.1	ng	740822	4	11.32	1635380	20.0
Phenanthrene, 2-m...	11.82	18.1	ng	1480650	4	11.32	1635380	20.0
Phenanthrene, 1-m...	11.85	29.4	ng	2407850	4	11.32	1635380	20.0
4H-Cyclopenta[def...	11.93	31.9	ng	2609460	4	11.32	1635380	20.0
Anthracene, 1-met...	11.95	11.9	ng	970715	4	11.32	1635380	20.0
Naphthalene, 1-ph...	12.11	12.8	ng	1047030	4	11.32	1635380	20.0
9,10-Anthracenedione	12.13	8.2	ng	669291	4	11.32	1635380	20.0
Phenanthrene, 4,5...	12.26	9.1	ng	747112	4	11.32	1635380	20.0
Phenanthrene, 2,5...	12.37	14.2	ng	1158360	4	11.32	1635380	20.0
unknown12.40	12.40	11.7	ng	958984	4	11.32	1635380	20.0
Cyclopenta(def)ph...	12.45	11.4	ng	930585	4	11.32	1635380	20.0
Octadecanoic acid	12.63	4.8	ng	396942	4	11.32	1635380	20.0
Pyrene, 1-methyl-	12.97	4.7	ng	1445830	5	13.96	6193560	20.0