

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041620\
 Data File : BF120043.D
 Acq On : 16 Apr 2020 18:26
 Operator : MA/SJ
 Sample : L2245-14 5X
 Misc :
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-23A

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	5.328	547	551	560	rVB	1207648	1141774	24.54%	1.926%
2	5.734	612	620	624	rBV2	86190	144303	3.10%	0.243%
3	5.875	641	644	648	rVB2	143800	155109	3.33%	0.262%
4	5.969	658	660	666	rVV2	172105	227168	4.88%	0.383%
5	6.157	687	692	695	rBV	108081	142680	3.07%	0.241%
6	6.251	705	708	711	rBV2	162043	188292	4.05%	0.318%
7	6.357	722	726	731	rVV	1343106	1197091	25.73%	2.019%
8	6.469	740	745	749	rBV5	82305	148929	3.20%	0.251%
9	6.722	785	788	796	rVB	1067967	1011416	21.74%	1.706%
10	6.881	811	815	818	rVV	1274124	1123424	24.15%	1.895%
11	6.998	833	835	840	rVB2	112488	116347	2.50%	0.196%
12	7.263	873	880	881	rBV3	121540	165219	3.55%	0.279%
13	7.287	881	884	887	rVB	901581	703511	15.12%	1.187%
14	7.369	894	898	902	rVB5	103136	152410	3.28%	0.257%
15	7.422	902	907	915	rBV5	43761	119024	2.56%	0.201%
16	7.651	944	946	950	rVB3	119803	118862	2.56%	0.200%
17	8.010	1002	1007	1009	rBV	1432970	1176288	25.29%	1.984%
18	8.028	1009	1010	1014	rVV	193705	161230	3.47%	0.272%
19	8.440	1076	1080	1085	rBV	135142	163313	3.51%	0.275%
20	8.822	1142	1145	1152	rVB	130127	124312	2.67%	0.210%
21	9.087	1186	1190	1193	rBV	1808055	1360119	29.24%	2.294%
22	9.422	1244	1247	1250	rVV	147521	152168	3.27%	0.257%
23	9.486	1254	1258	1263	rVV2	165441	208145	4.47%	0.351%
24	9.628	1279	1282	1287	rVB	131193	122364	2.63%	0.206%
25	9.769	1300	1306	1308	rBV	1202872	1128816	24.27%	1.904%
26	9.798	1308	1311	1315	rVB	532720	416741	8.96%	0.703%
27	9.969	1336	1340	1344	rVB	292650	240380	5.17%	0.405%
28	10.310	1395	1398	1405	rBV	467068	449602	9.67%	0.758%
29	10.381	1405	1410	1412	rVV	131192	176699	3.80%	0.298%
30	10.469	1423	1425	1431	rVB	151053	156514	3.36%	0.264%
31	10.551	1436	1439	1443	rVV	776878	727713	15.64%	1.227%
32	10.681	1458	1461	1467	rVB2	105502	134771	2.90%	0.227%
33	10.863	1486	1492	1494	rBV3	163119	242870	5.22%	0.410%
34	10.886	1494	1496	1500	rVV2	119325	139167	2.99%	0.235%

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 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.992	1509	1514	1515	rBV3	96749	127380	2.74%	0.215%
36	11.010	1515	1517	1520	rVV2	119578	134748	2.90%	0.227%
37	11.057	1522	1525	1529	rVV	157969	153575	3.30%	0.259%
38	11.110	1529	1534	1538	rVV4	124203	225116	4.84%	0.380%
39	11.151	1538	1541	1546	rVB	252281	285258	6.13%	0.481%
40	11.251	1555	1558	1560	rBV	905883	888146	19.09%	1.498%
41	11.280	1560	1563	1566	rVV	3847600	3654876	78.57%	6.165%
42	11.328	1568	1571	1574	rVV	1138167	925330	19.89%	1.561%
43	11.486	1595	1598	1600	rVB	252588	212505	4.57%	0.358%
44	11.757	1638	1644	1646	rBV	754365	675871	14.53%	1.140%
45	11.786	1646	1649	1653	rVV	1083905	924573	19.88%	1.559%
46	11.828	1653	1656	1659	rVV	355086	341729	7.35%	0.576%
47	11.869	1659	1663	1665	rVV	1101028	1158113	24.90%	1.953%
48	11.892	1665	1667	1672	rVB	513542	409756	8.81%	0.691%
49	12.051	1691	1694	1696	rVV	432933	342533	7.36%	0.578%
50	12.075	1696	1698	1702	rVB2	288687	245209	5.27%	0.414%
51	12.204	1714	1720	1722	rBV2	214969	254595	5.47%	0.429%
52	12.233	1722	1725	1727	rBV	161742	122067	2.62%	0.206%
53	12.257	1727	1729	1731	rVB	158636	121561	2.61%	0.205%
54	12.310	1731	1738	1741	rBV	432550	560026	12.04%	0.945%
55	12.345	1741	1744	1746	rVV2	215812	212752	4.57%	0.359%
56	12.392	1749	1752	1757	rBV2	264249	317234	6.82%	0.535%
57	12.475	1761	1766	1769	rBV	4374616	4243775	91.23%	7.158%
58	12.516	1769	1773	1774	rBV2	162540	142846	3.07%	0.241%
59	12.616	1788	1790	1794	rVB	138378	134908	2.90%	0.228%
60	12.704	1798	1805	1810	rBV	3861471	4651817	100.00%	7.846%
61	12.745	1810	1812	1817	rVB2	217274	272686	5.86%	0.460%
62	12.816	1820	1824	1825	rBV2	276114	235987	5.07%	0.398%
63	12.839	1825	1828	1835	rVB2	1209729	1290949	27.75%	2.177%
64	12.916	1835	1841	1844	rBV3	386730	607854	13.07%	1.025%
65	12.998	1852	1855	1857	rVV4	243599	299280	6.43%	0.505%
66	13.027	1857	1860	1863	rVB	703197	697346	14.99%	1.176%
67	13.092	1867	1871	1873	rBV	581826	488312	10.50%	0.824%
68	13.127	1873	1877	1880	rVV2	561059	558444	12.00%	0.942%
69	13.222	1889	1893	1895	rBV	290170	244771	5.26%	0.413%
70	13.251	1895	1898	1901	rBV	338067	286446	6.16%	0.483%
71	13.427	1921	1928	1930	rBV4	170207	296860	6.38%	0.501%

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72	13.451	1930	1932	1934	rVV	133376	118065	2.54%	0.199%
73	13.533	1943	1946	1950	rVV	269915	321535	6.91%	0.542%
74	13.639	1960	1964	1967	rBV2	378841	481953	10.36%	0.813%
75	13.669	1967	1969	1971	rVV	386346	347287	7.47%	0.586%
76	13.692	1971	1973	1979	rVV3	271905	417286	8.97%	0.704%
77	13.739	1979	1981	1985	rVB	308696	268107	5.76%	0.452%
78	13.892	2000	2007	2010	rBV2	2406251	3468862	74.57%	5.851%
79	13.927	2010	2013	2018	rVB	1930955	1956864	42.07%	3.301%
80	13.998	2020	2025	2028	rBV2	325847	354736	7.63%	0.598%
81	14.121	2042	2046	2049	rVV2	158097	216468	4.65%	0.365%
82	14.245	2065	2067	2069	rVV	149010	134549	2.89%	0.227%
83	14.280	2069	2073	2076	rVV	503980	574274	12.35%	0.969%
84	14.316	2076	2079	2082	rVV	299051	275113	5.91%	0.464%
85	14.374	2083	2089	2092	rVV4	315243	415575	8.93%	0.701%
86	14.404	2092	2094	2096	rVV	249217	246720	5.30%	0.416%
87	14.427	2096	2098	2102	rVV3	251857	230250	4.95%	0.388%
88	14.480	2102	2107	2112	rVB3	150735	230127	4.95%	0.388%
89	14.586	2122	2125	2127	rBV3	108427	119318	2.56%	0.201%
90	14.669	2136	2139	2142	rBV2	88945	144452	3.11%	0.244%
91	14.921	2177	2182	2185	rBV	1412161	2264185	48.67%	3.819%
92	15.016	2196	2198	2202	rVB	267188	280255	6.02%	0.473%
93	15.210	2226	2231	2236	rVB	795744	1065149	22.90%	1.797%
94	15.268	2236	2241	2246	rBV	1243701	1443978	31.04%	2.436%
95	15.321	2246	2250	2253	rBV	506833	648068	13.93%	1.093%
96	15.351	2253	2255	2262	rVB2	387210	514132	11.05%	0.867%
97	16.715	2481	2487	2494	rVB2	466728	881679	18.95%	1.487%
98	16.880	2511	2515	2519	rVB	91156	137755	2.96%	0.232%
99	17.133	2552	2558	2570	rVB	329418	657021	14.12%	1.108%
100	17.351	2592	2595	2605	rVB2	95103	191216	4.11%	0.323%

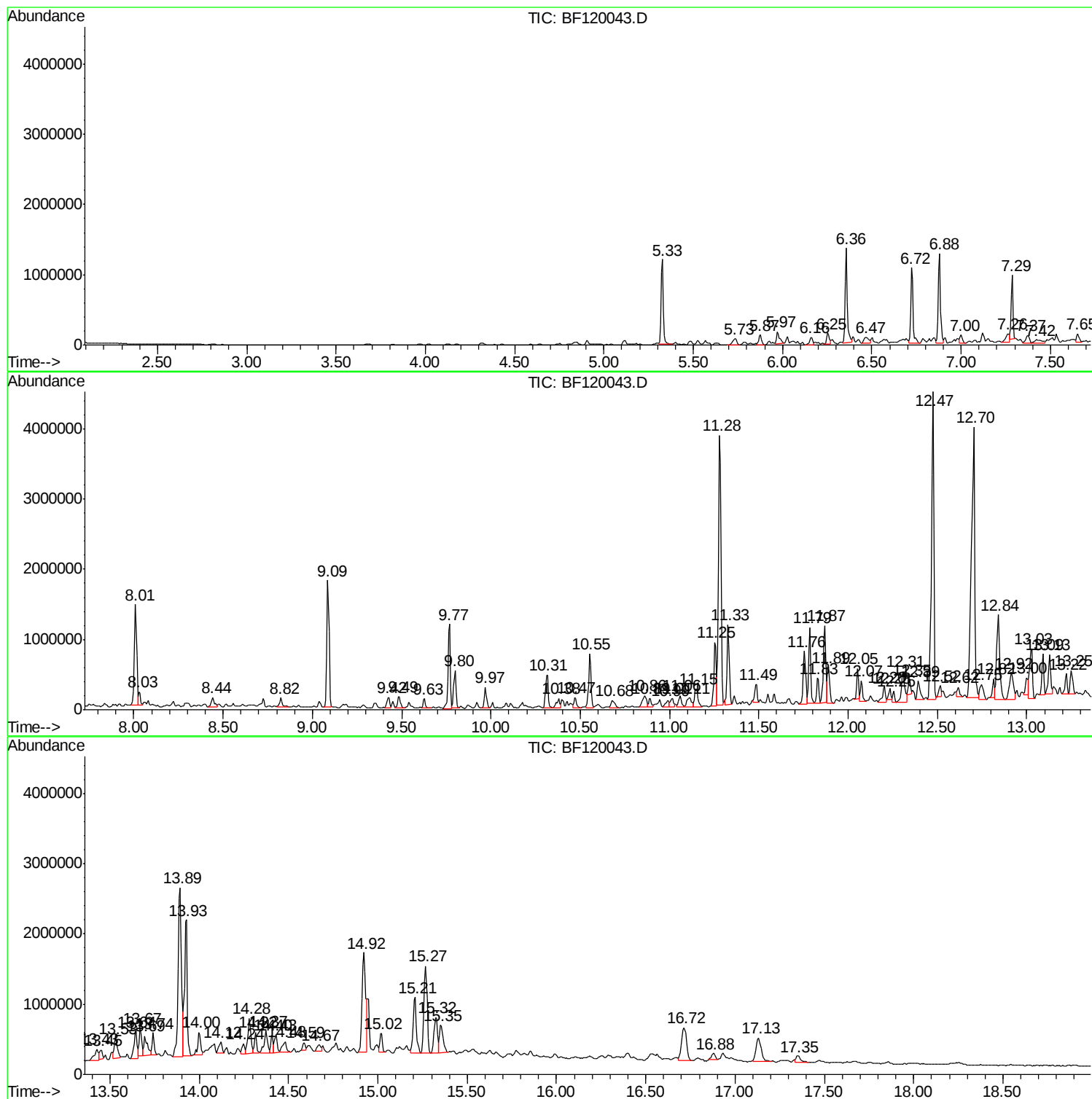
Sum of corrected areas: 59286984

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Instrument :
BNA_F
ClientSampled :
TP-23A

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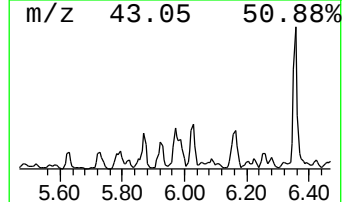
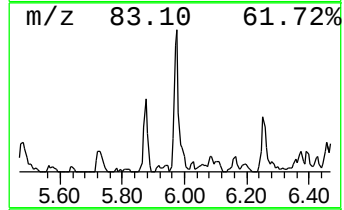
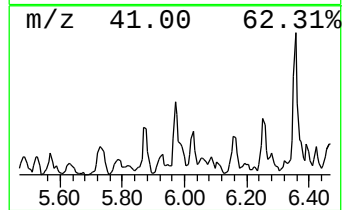
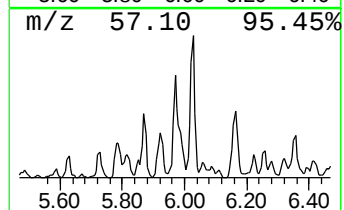
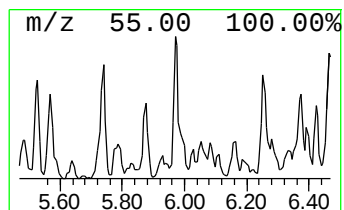
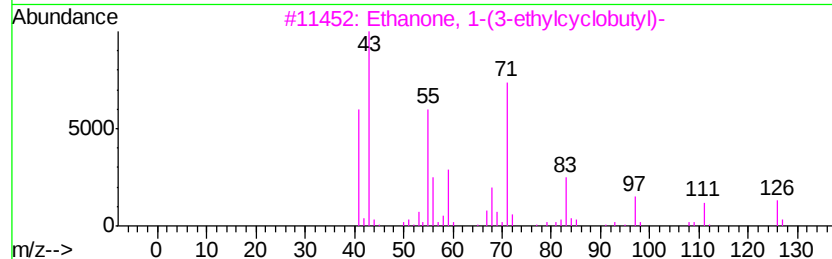
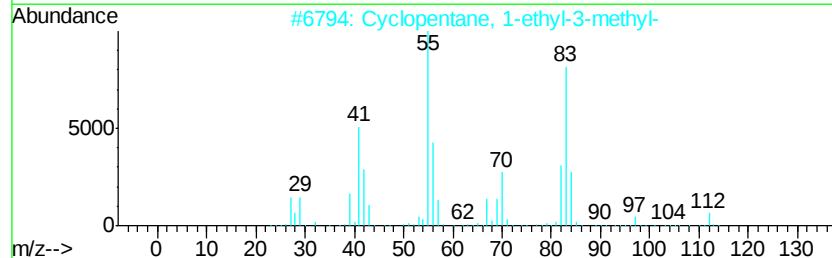
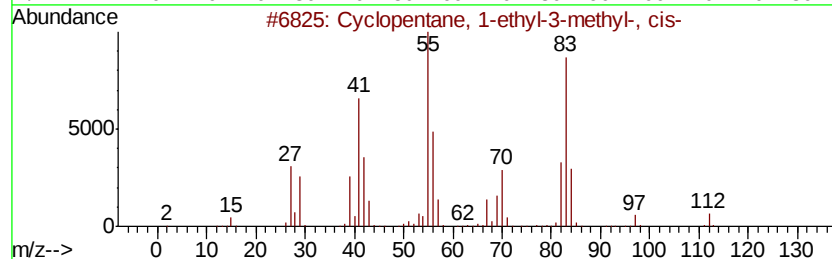
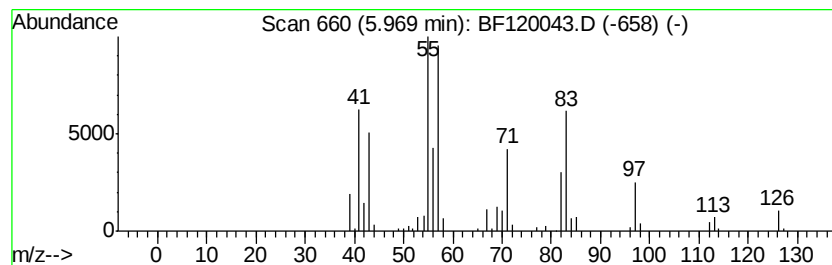
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown5.97 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.97	4.49 ng	227168	1,4-Dichlorobenzene-d4	6.72

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopentane, 1-ethyl-3-methyl-,...	112	C8H16	002613-66-3	49
2		Cyclopentane, 1-ethyl-3-methyl-	112	C8H16	003726-47-4	49
3		Ethanone, 1-(3-ethylcyclobutyl)-	126	C8H14O	056335-71-8	43
4		Cyclopentane, 1,1,3-trimethyl-	112	C8H16	004516-69-2	30
5		Cyclohexane, propyl-	126	C9H18	001678-92-8	30



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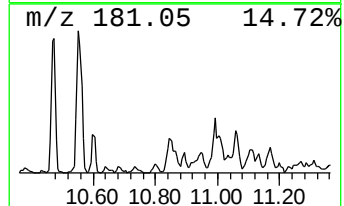
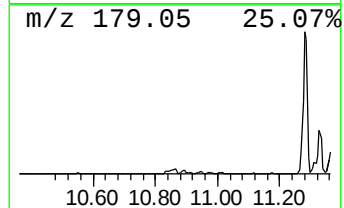
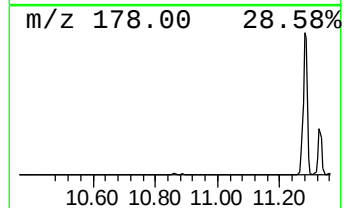
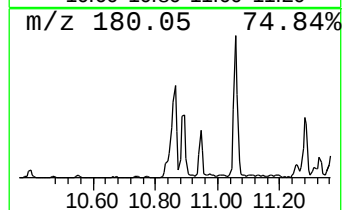
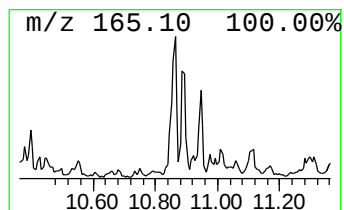
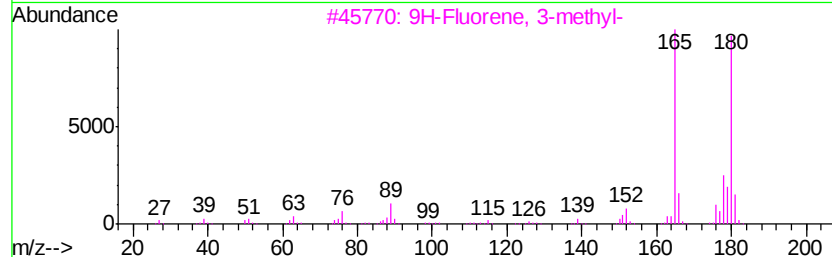
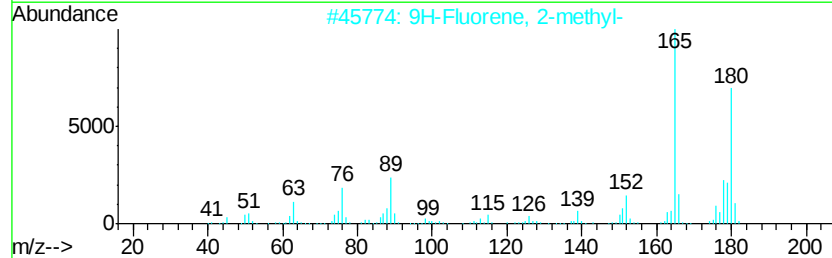
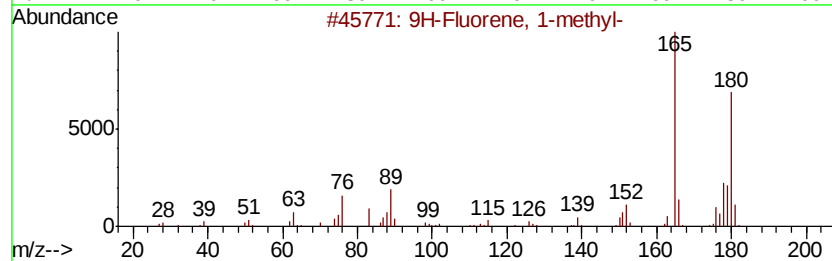
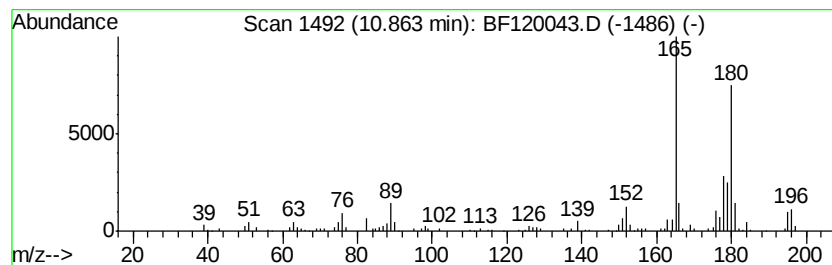
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TIC Library : C:\DATABASE\NIST11.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 3 9H-Fluorene, 1-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.86	5.47 ng	242870	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	96
3		9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	89
4		9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	89
5		9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	89



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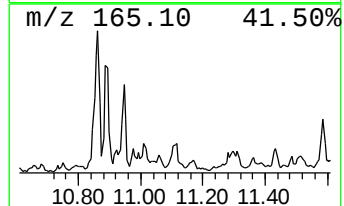
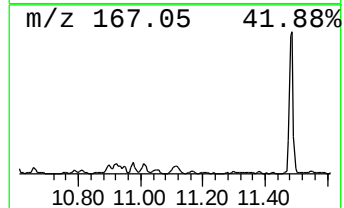
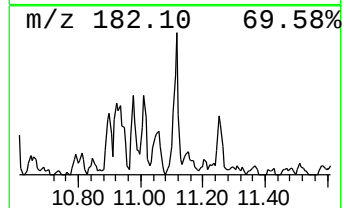
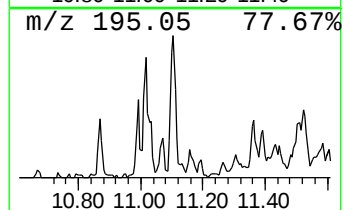
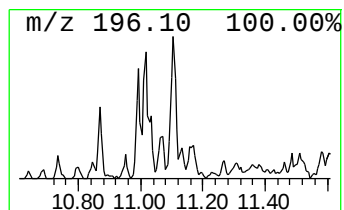
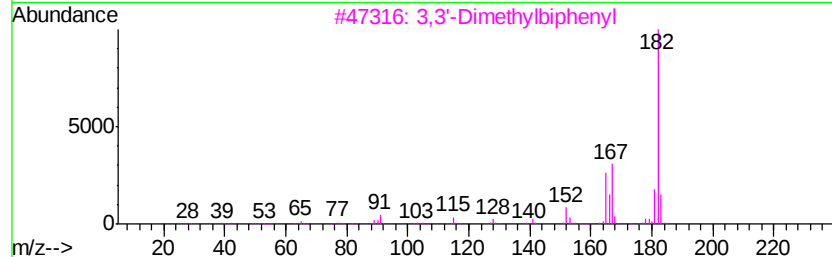
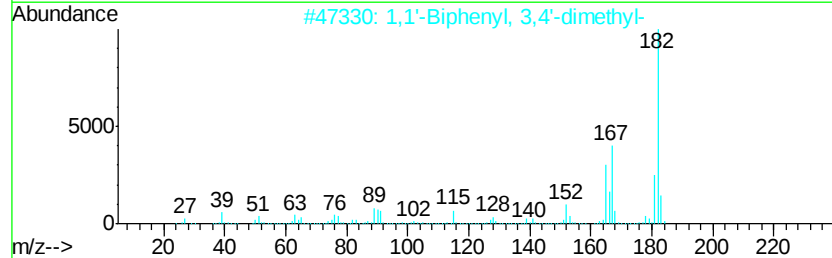
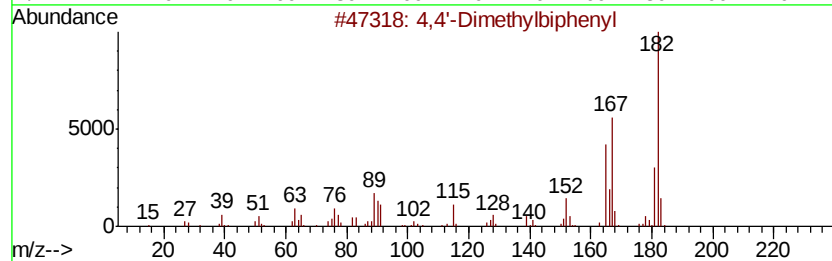
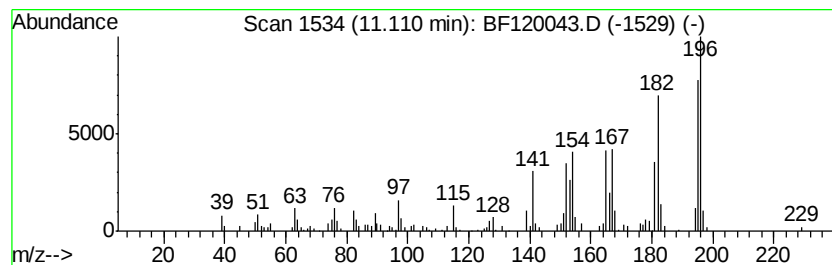
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TIC Integration Parameters: LSCINT.P

Peak Number 4 unknown11.11 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.11	5.07 ng	225116	Phenanthrene-d10	11.25

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	4,4'	Dimethylbiphenyl	182	C14H14	000613-33-2	42
2	1,1'	Biphenyl, 3,4'-dimethyl-	182	C14H14	007383-90-6	42
3	3,3'	Dimethylbiphenyl	182	C14H14	000612-75-9	38
4	Anthracene,	1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	38
5	Phenol,	4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	30



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Data File : BF120043.D
Acq On : 16 Apr 2020 18:26
Operator : MA/SJ
Sample : L2245-14 5X
Misc :
ALS Vial : 51 Sample Multiplier: 1

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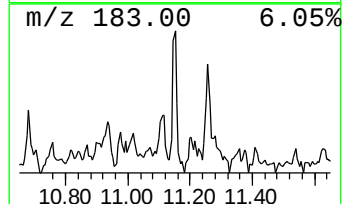
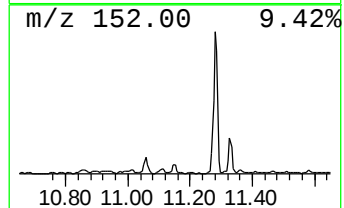
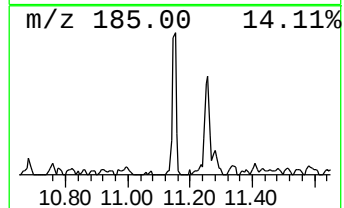
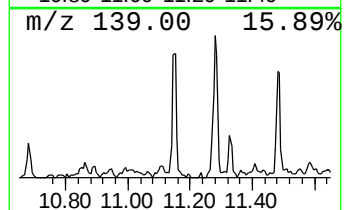
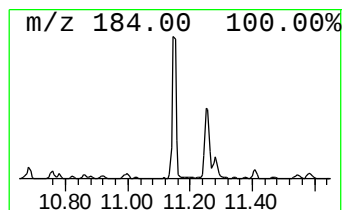
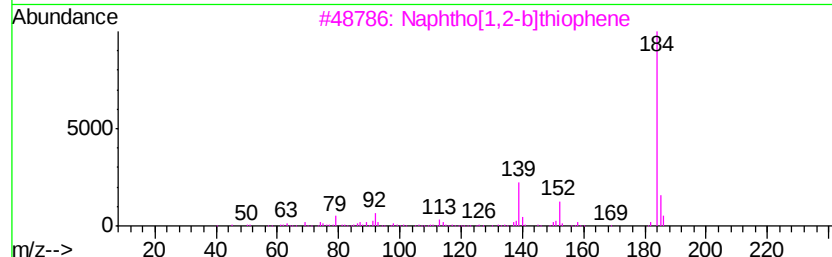
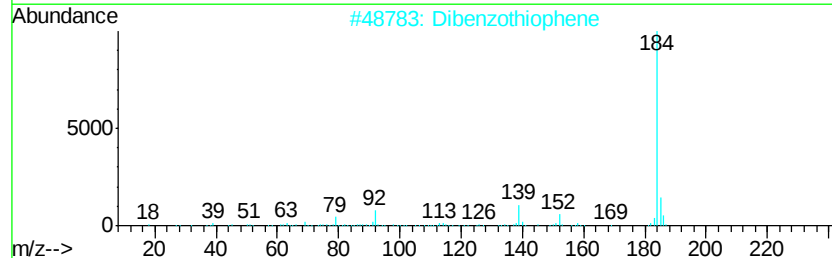
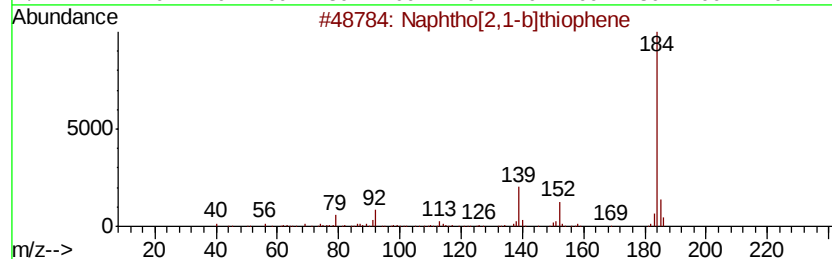
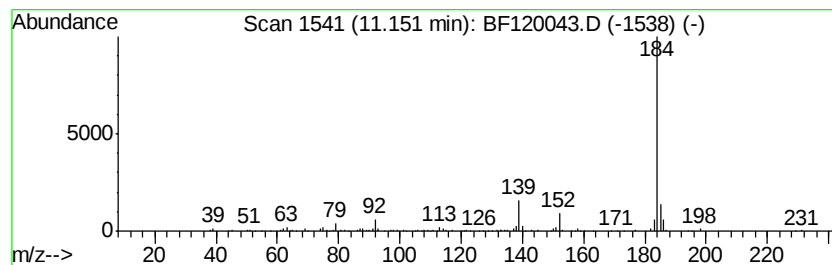
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Naphtho[2,1-b]thiophene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.15	6.42 ng	285258	Phenanthrene-d10	11.25

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
2		Dibenzothiophene	184	C12H8S	000132-65-0	94
3		Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	93
4		Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	90
5		Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041620\
Data File : BF120043.D
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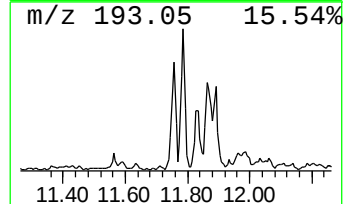
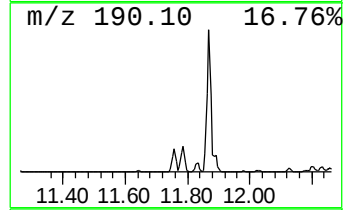
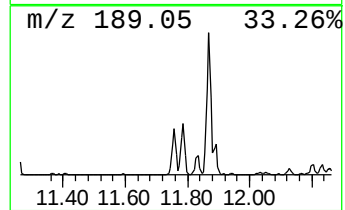
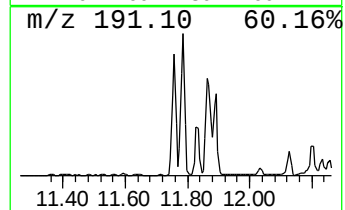
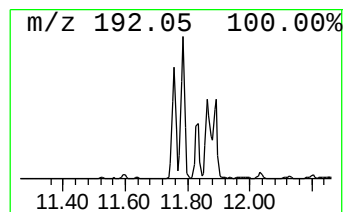
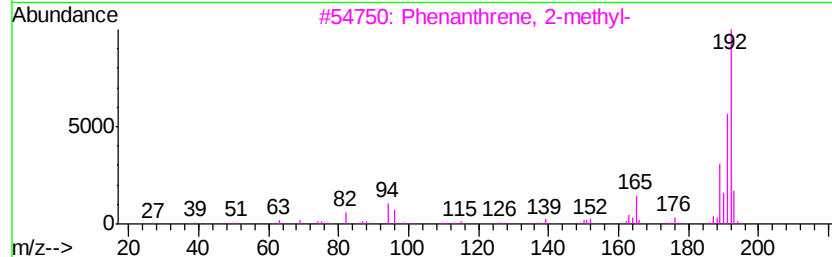
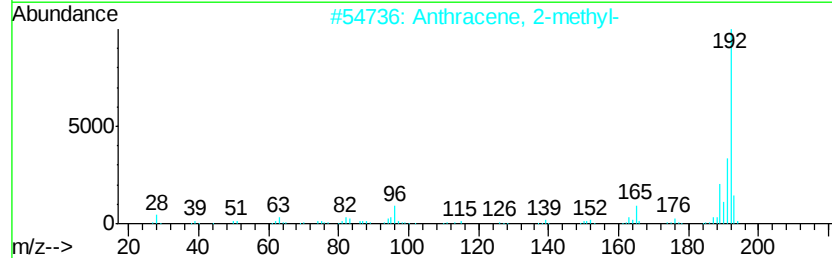
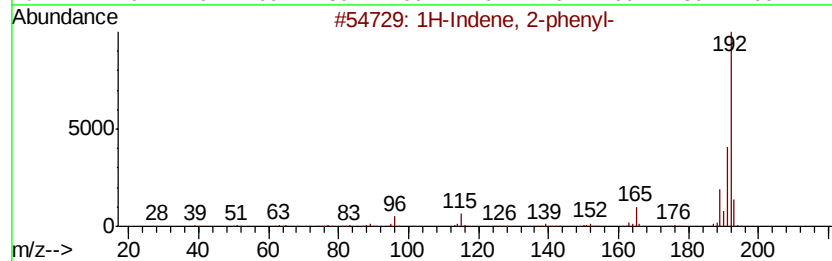
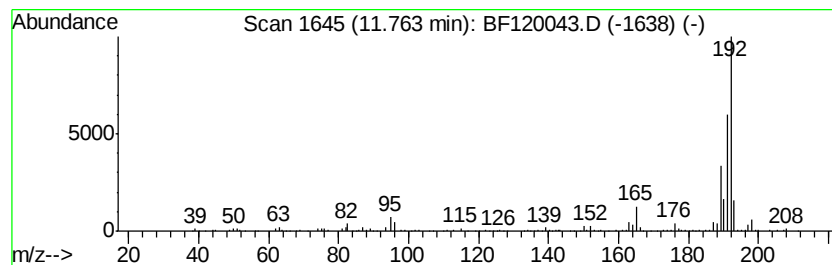
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 1H-Indene, 2-phenyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.76	15.22 ng	675871	Phenanthrene-d10	11.25

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93
2		Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
3		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4		Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
5		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041620\
Data File : BF120043.D
Acq On : 16 Apr 2020 18:26
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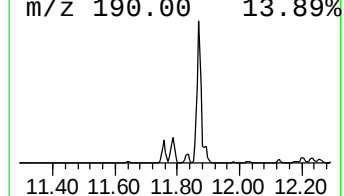
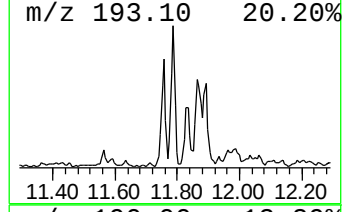
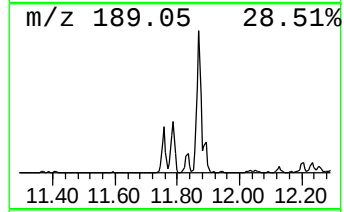
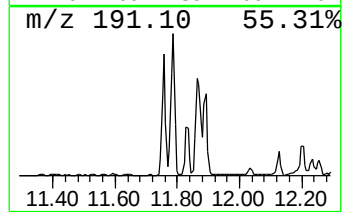
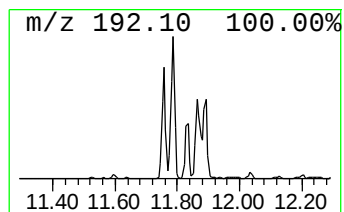
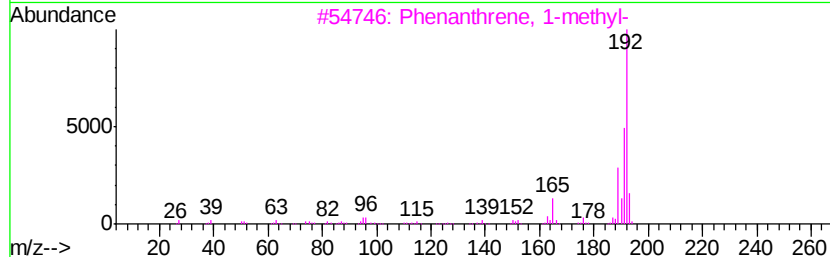
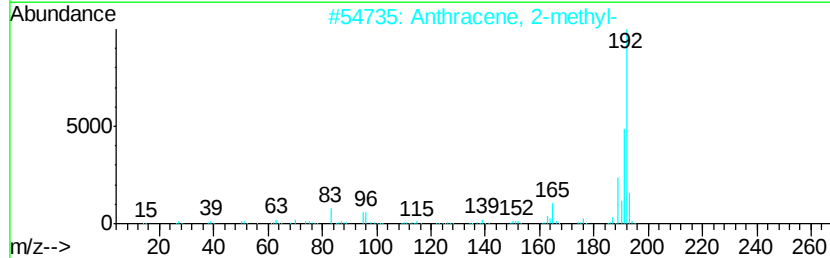
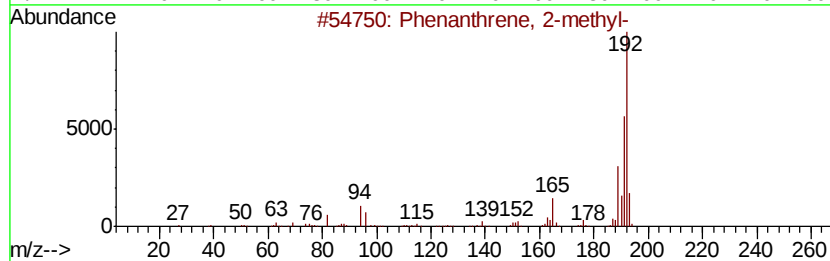
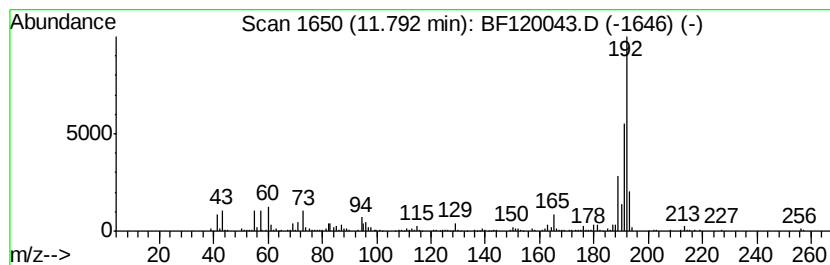
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.79	20.82 ng	924573	Phenanthrene-d10	11.25

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2		Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4		1H-Cyclopropa[1,1]phenanthrene, 1a,...	192	C15H12	000949-41-7	95
5		Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	94



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041620\
Data File : BF120043.D
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Operator : MA/SJ
Sample : L2245-14 5X
Misc :
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Instrument :
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ClientSampleId :
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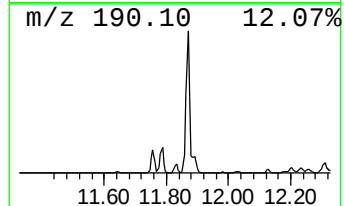
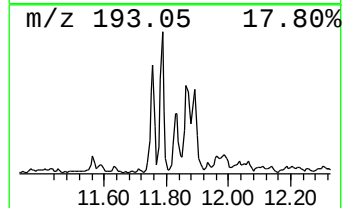
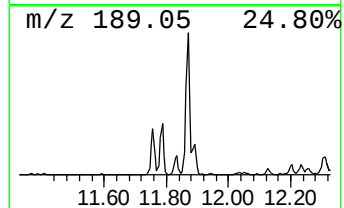
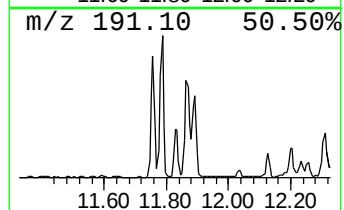
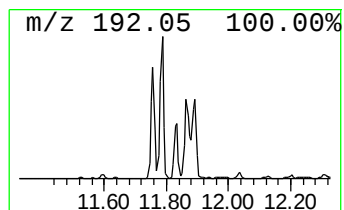
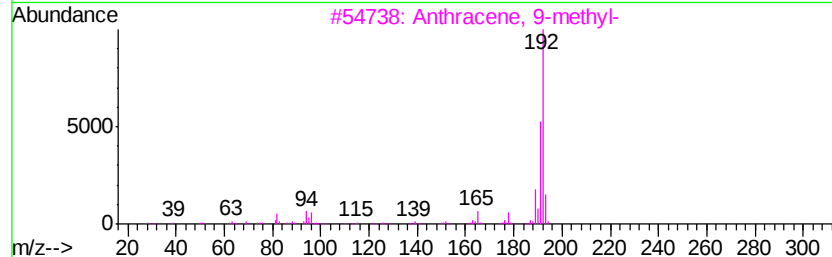
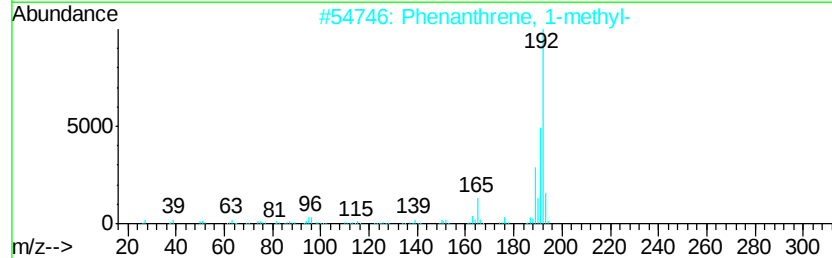
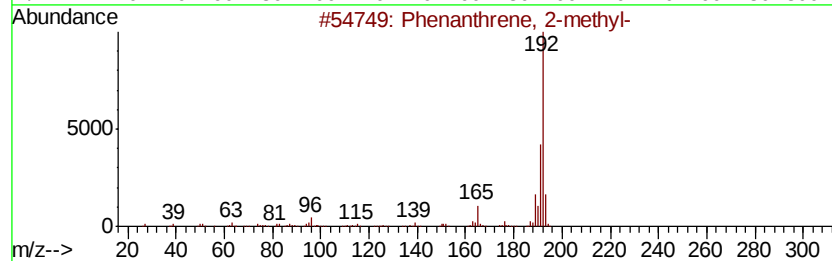
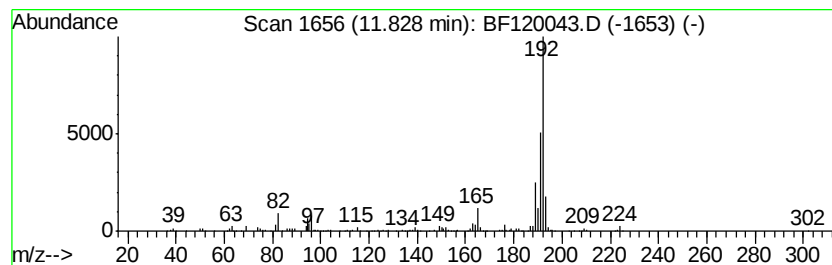
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Phenanthrene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.83	7.70 ng	341729	Phenanthrene-d10	11.25

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041620\
Data File : BF120043.D
Acq On : 16 Apr 2020 18:26
Operator : MA/SJ
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Misc :
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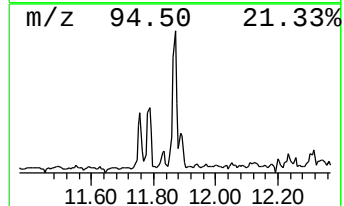
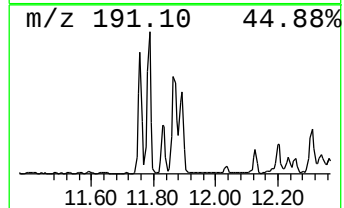
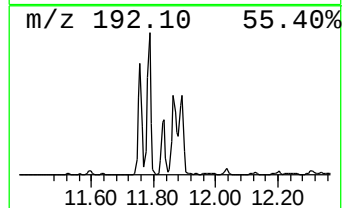
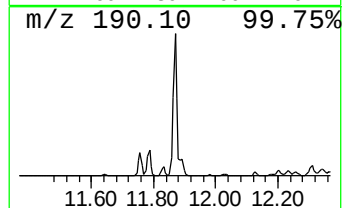
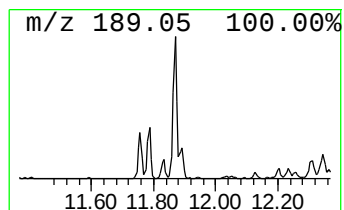
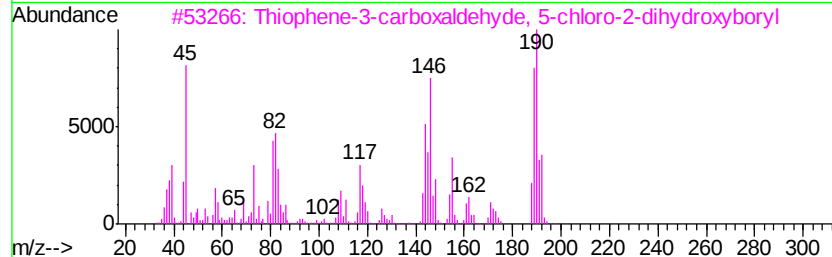
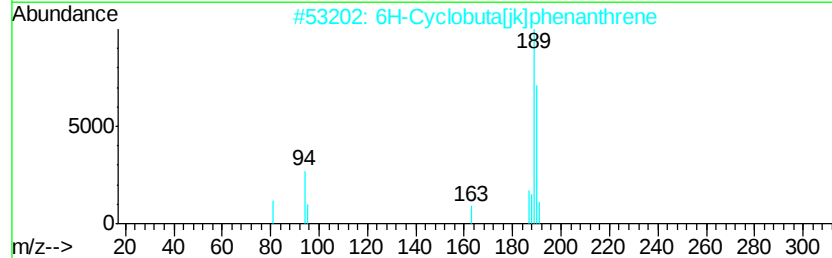
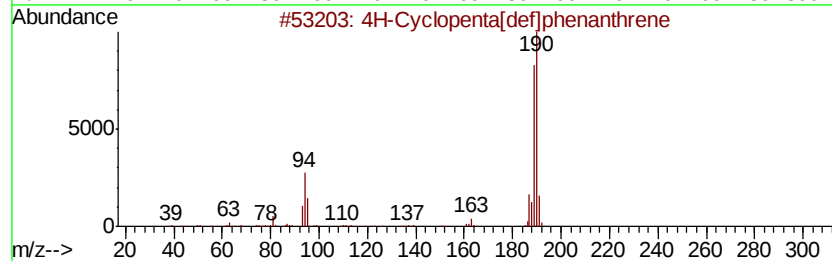
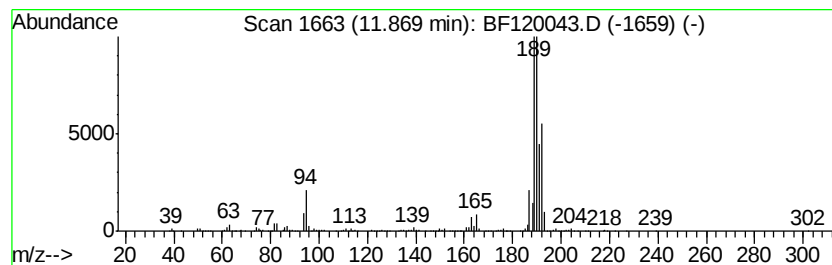
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.87	26.08 ng	1158110	Phenanthrene-d10	11.25

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	92
2		6H-Cyclobuta[ik]phenanthrene	190	C15H10	083469-43-6	53
3		Thiophene-3-carboxaldehyde, 5-chloro-2-dihydroxyboryl	190	C5H4BClO3S	036155-87-0	50
4		2,3,5,6-Tetramethylterephthalaldehyde	190	C12H14O2	007072-01-7	43
5		5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	20



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041620\
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Sample : L2245-14 5X
Misc :
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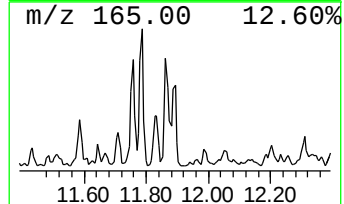
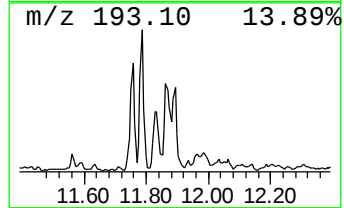
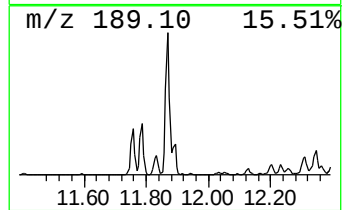
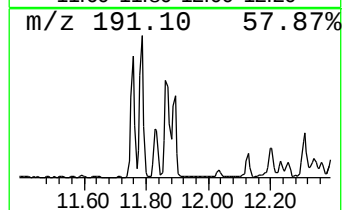
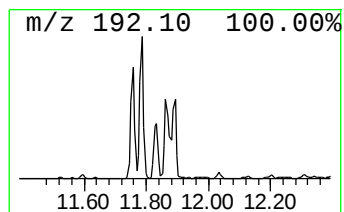
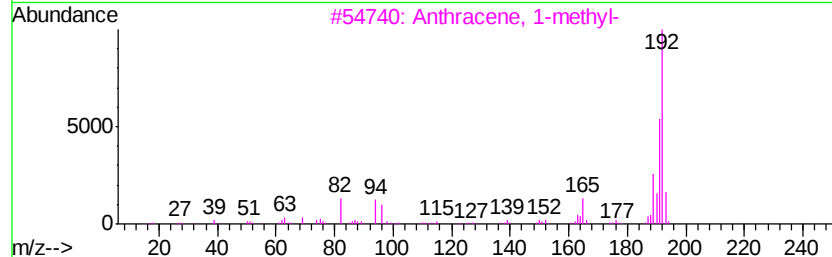
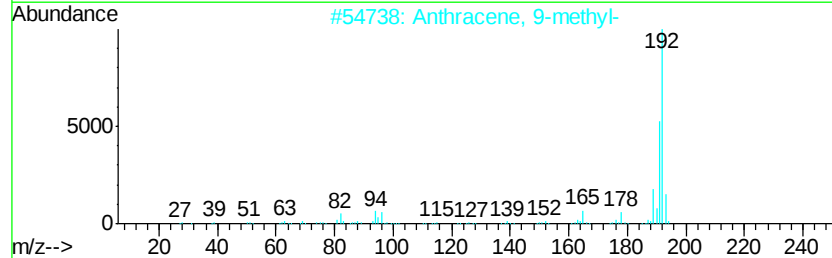
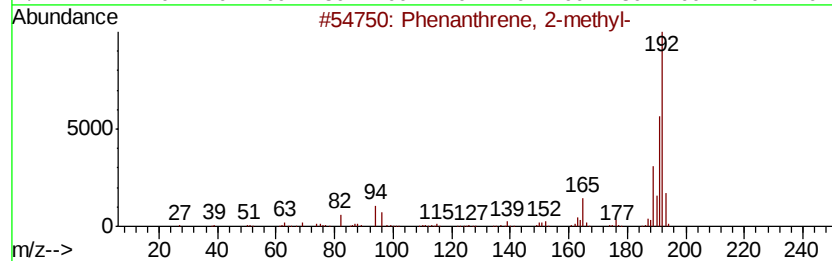
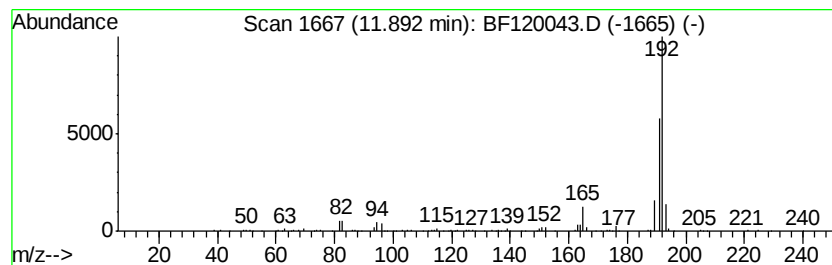
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Anthracene, 9-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD		R.T.
11.89	9.23 ng	409756	Phenanthrene-d10		11.25
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	87
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	87



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041620\
Data File : BF120043.D
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Misc :
ALS Vial : 51 Sample Multiplier: 1

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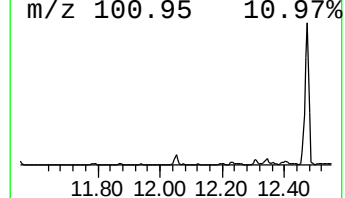
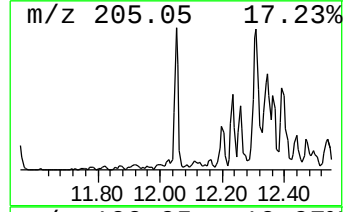
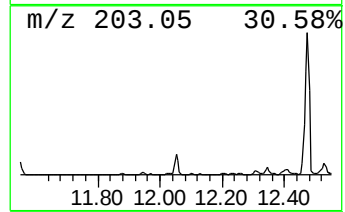
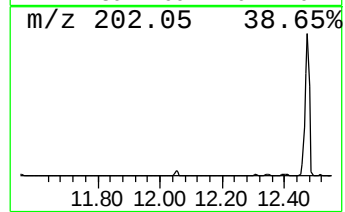
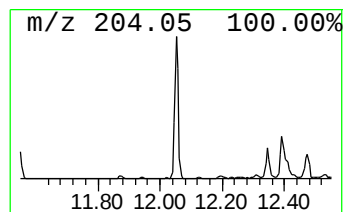
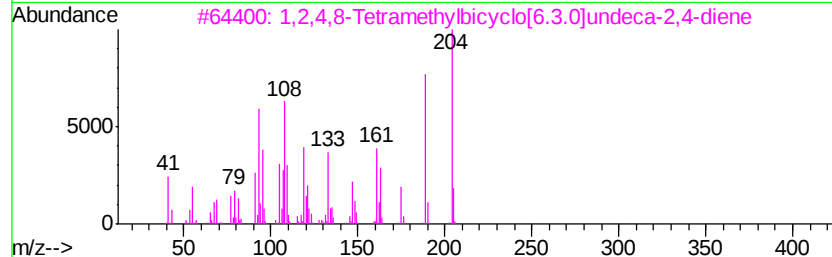
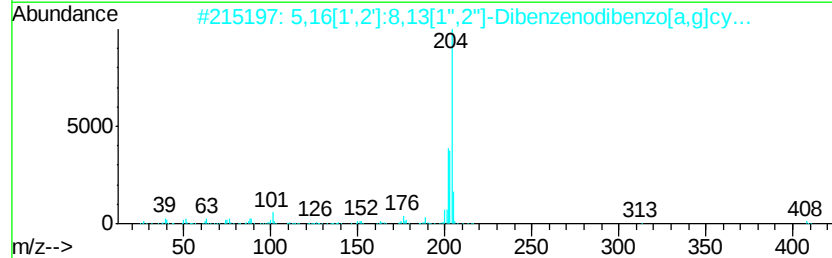
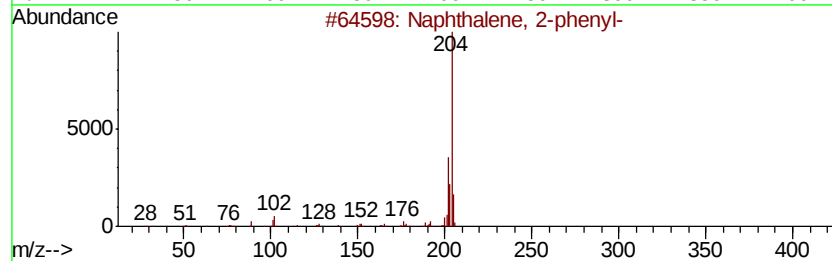
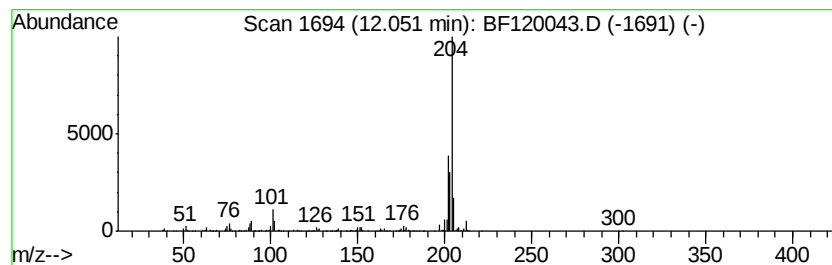
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Naphthalene, 2-phenyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.05	7.71 ng	342533	Phenanthrene-d10	11.25

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
2		5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
3		1,2,4,8-Tetramethylbicvclo[6.3.0...	204	C15H24	137235-51-9	80
4		9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	58
5		Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	55



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041620\
Data File : BF120043.D
Acq On : 16 Apr 2020 18:26
Operator : MA/SJ
Sample : L2245-14 5X
Misc :
ALS Vial : 51 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampled :
TP-23A

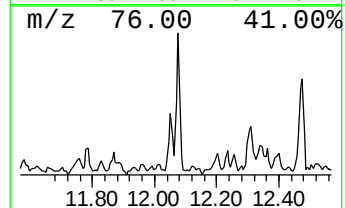
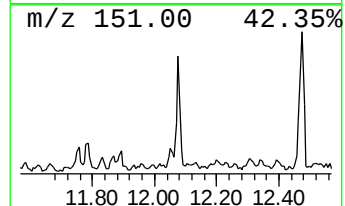
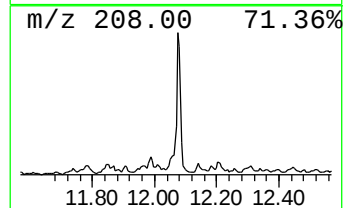
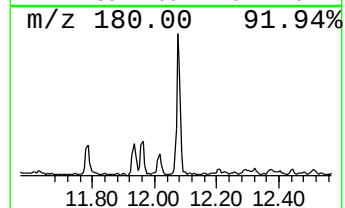
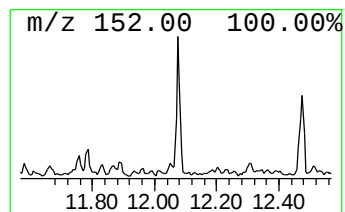
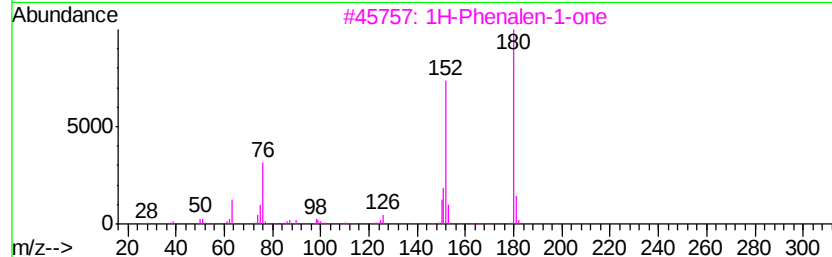
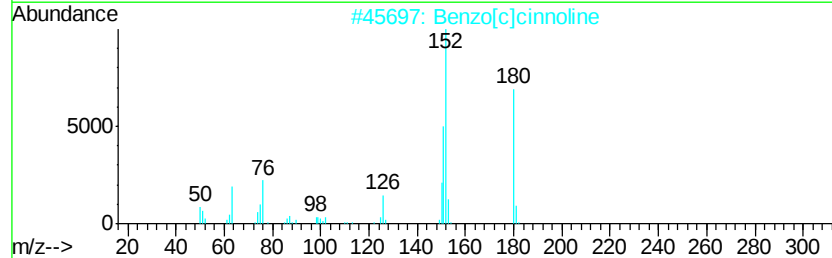
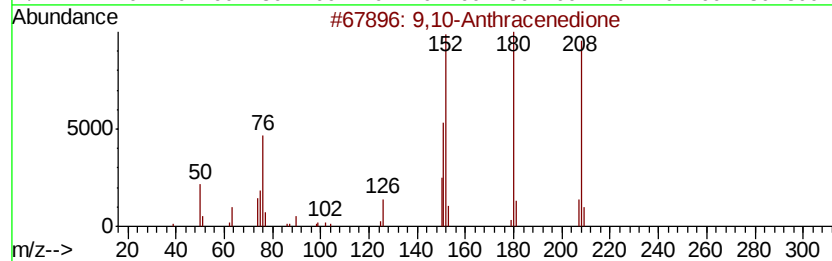
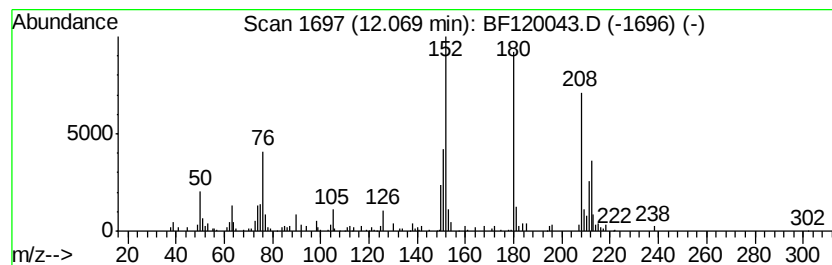
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 9,10-Anthracenedione Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.07	5.52 ng	245209	Phenanthrene-d10	11.25

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2		Benzo[c]cinnoline	180	C12H8N2	000230-17-1	60
3		1H-Phenalen-1-one	180	C13H8O	000548-39-0	55
4		9H-Fluoren-9-one	180	C13H8O	000486-25-9	49
5		Benzo[h]cinnoline	180	C12H8N2	000230-31-9	49



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041620\
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Sample : L2245-14 5X
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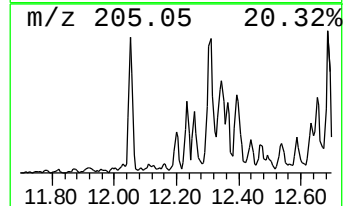
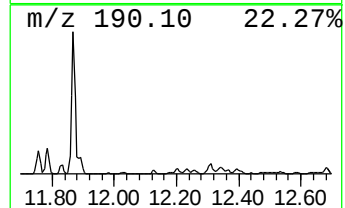
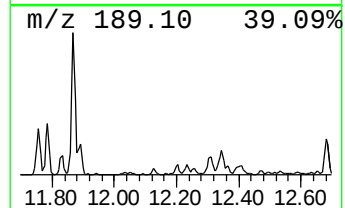
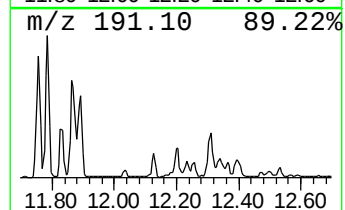
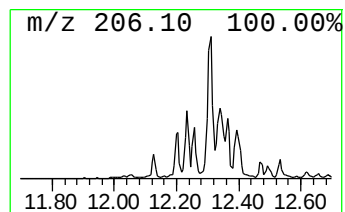
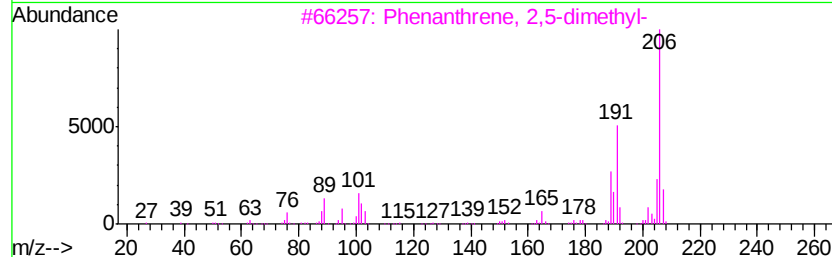
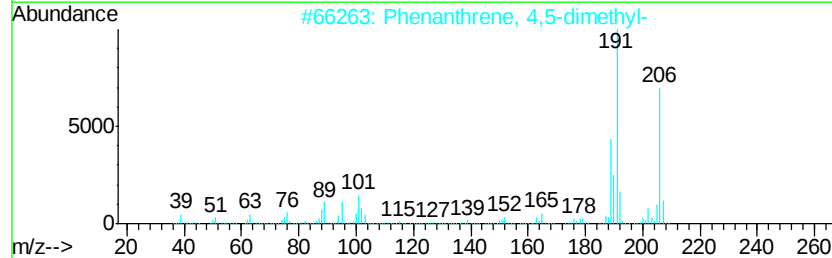
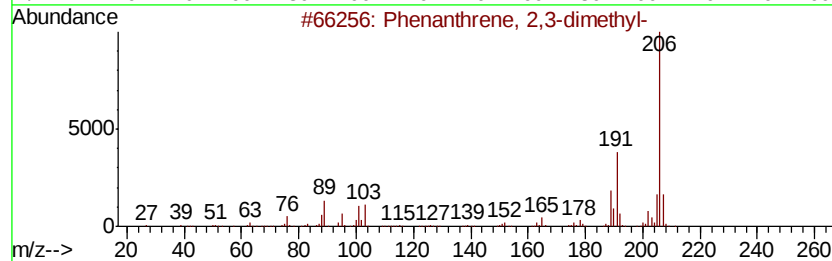
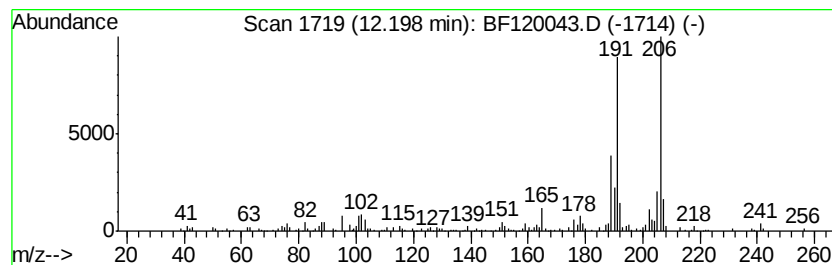
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Phenanthrene, 2,3-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD		R.T.
12.20	5.73 ng	254595	Phenanthrene-d10		11.25
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
2	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	93
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	90
4	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	81
5	3-Methyl-1-phenyl-1H-indene	206	C16H14	022360-63-0	76



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041620\
Data File : BF120043.D
Acq On : 16 Apr 2020 18:26
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Sample : L2245-14 5X
Misc :
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Instrument :
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ClientSampled :
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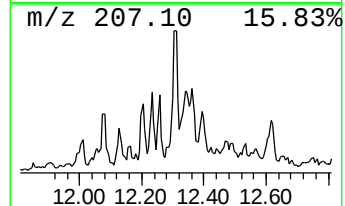
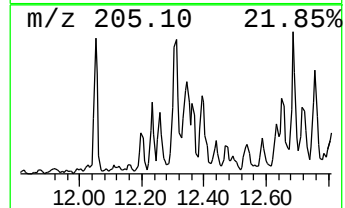
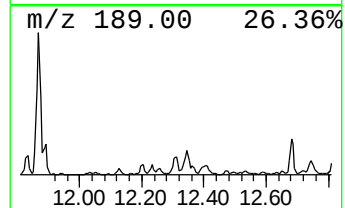
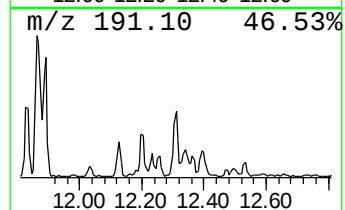
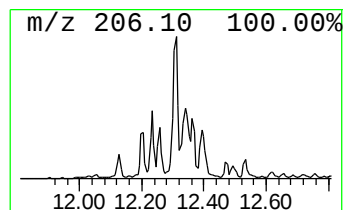
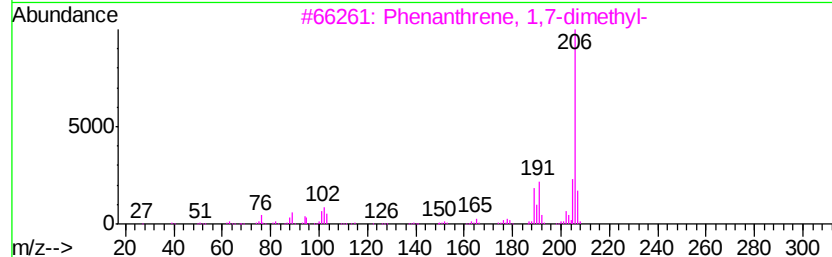
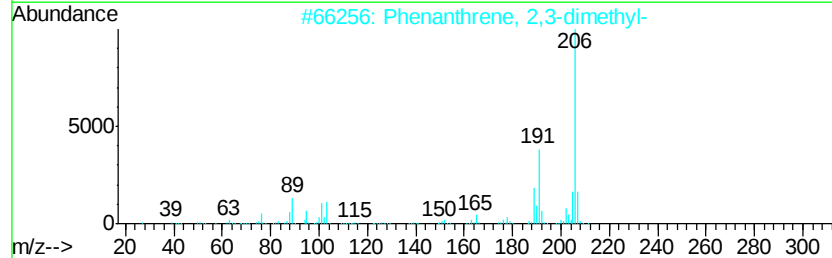
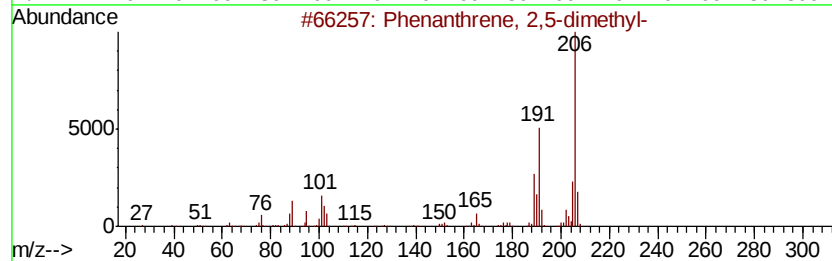
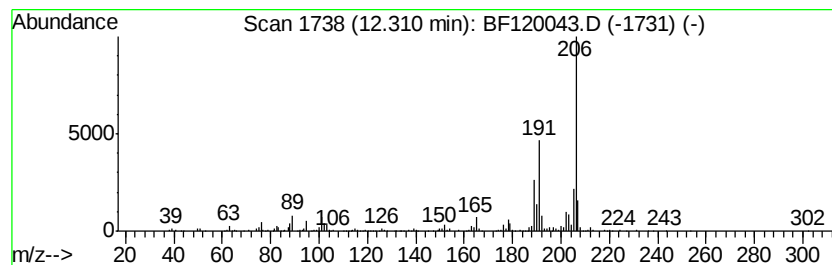
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Phenanthrene, 2,5-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.31	12.61 ng	560026	Phenanthrene-d10	11.25

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2			Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
3			Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	89
4			9,10-Dimethylantracene	206	C16H14	000781-43-1	89
5			Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041620\
Data File : BF120043.D
Acq On : 16 Apr 2020 18:26
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Sample : L2245-14 5X
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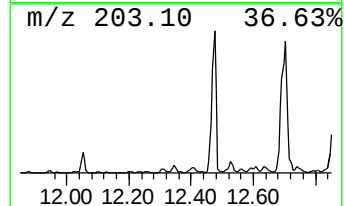
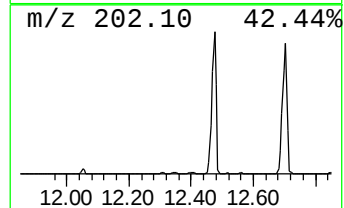
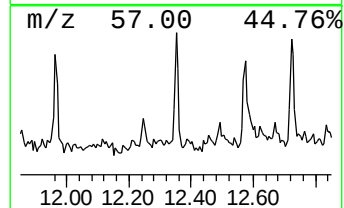
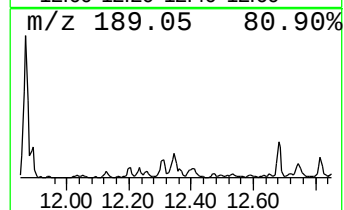
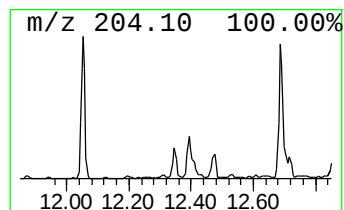
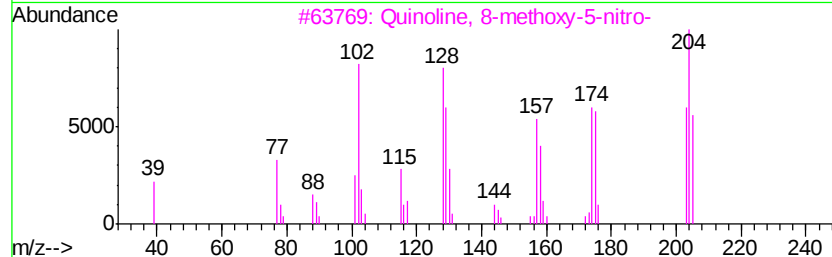
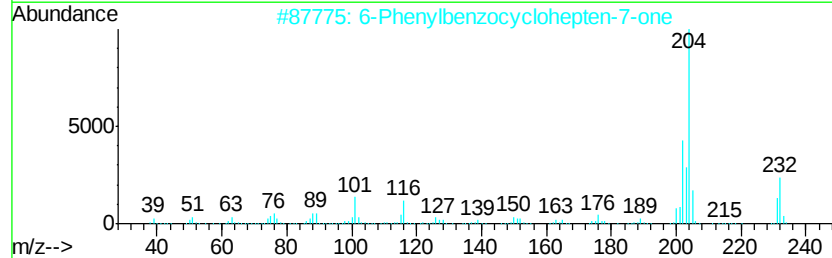
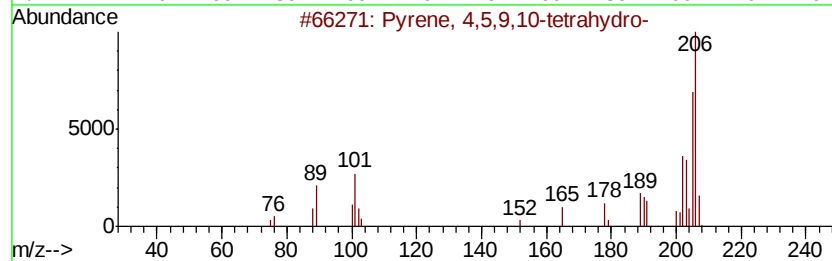
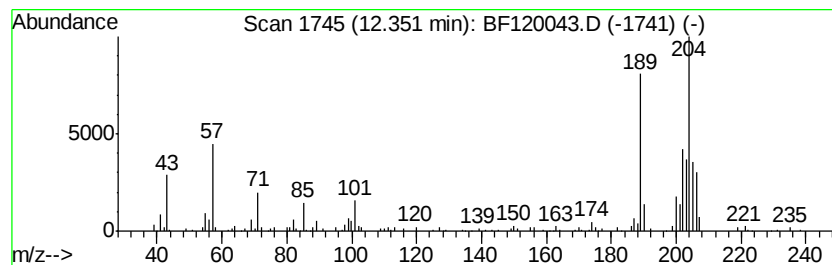
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 unknown12.35 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD		R.T.	
12.35	4.79 ng	212752	Phenanthrene-d10		11.25	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	38
2		6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	38
3		Quinoline, 8-methoxy-5-nitro-	204	C10H8N2O3	1000298-88-7	30
4		2,1,3-Benzoxazole, 5,6-dichloro-...	204	C6H2Cl2N2O2	004701-01-3	30
5		1,4-Diphenyl-1,3-butadiene	206	C16H14	000886-65-7	25



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041620\
Data File : BF120043.D
Acq On : 16 Apr 2020 18:26
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Sample : L2245-14 5X
Misc :
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Instrument :
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ClientSampleId :
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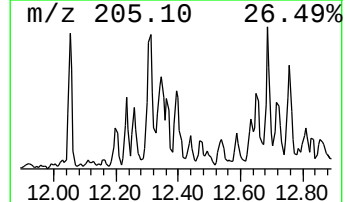
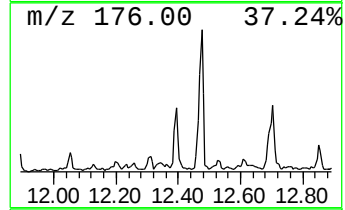
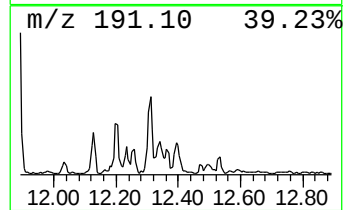
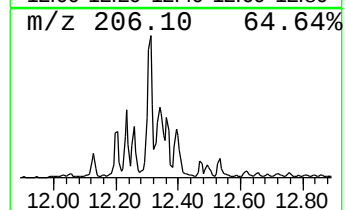
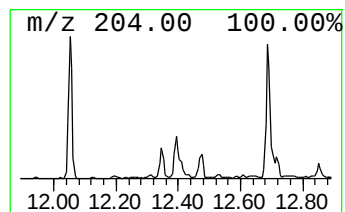
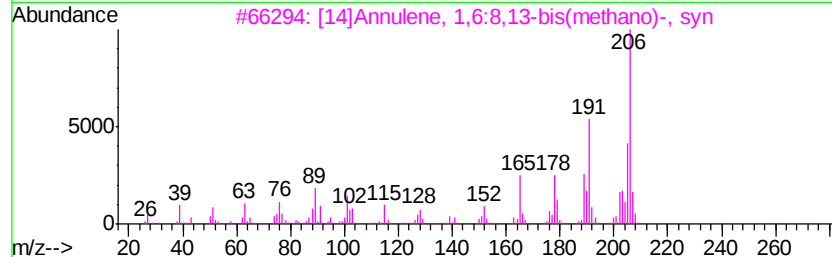
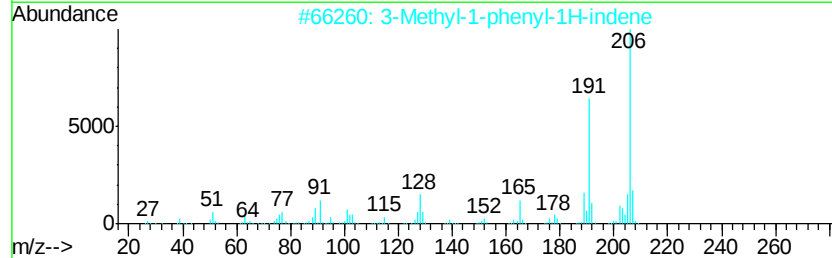
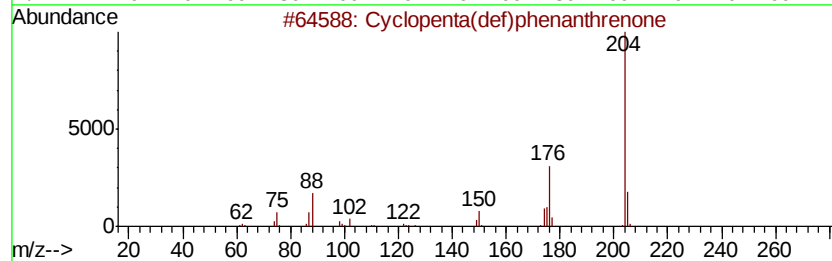
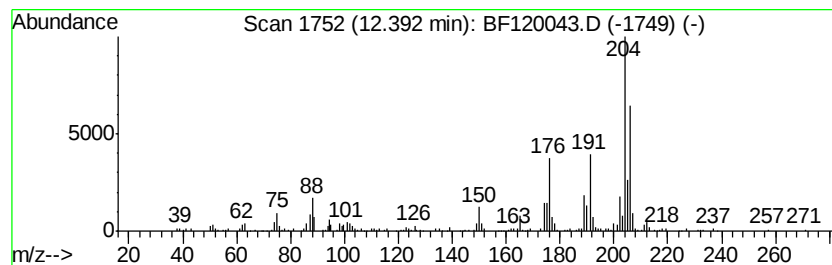
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Cyclopenta(def)phenanthrenone Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.39	7.14 ng	317234	Phenanthrene-d10	11.25

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	89
2		3-Methyl-1-phenyl-1H-indene	206	C16H14	022360-63-0	60
3		[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	46
4		Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	46
5		Benzene, (2-methylene-1-phenylcy...	206	C16H14	025152-47-0	45



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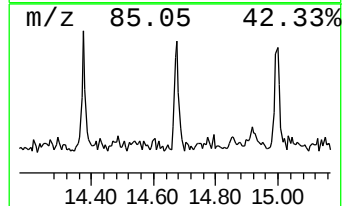
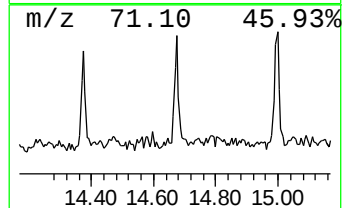
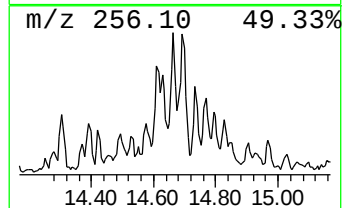
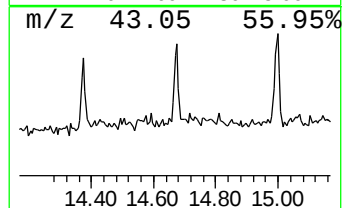
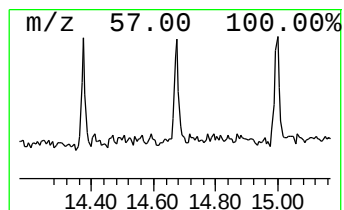
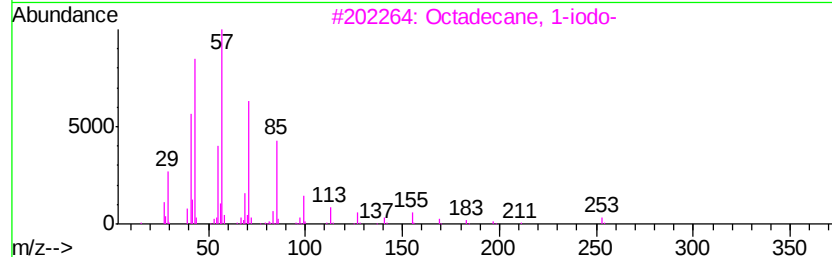
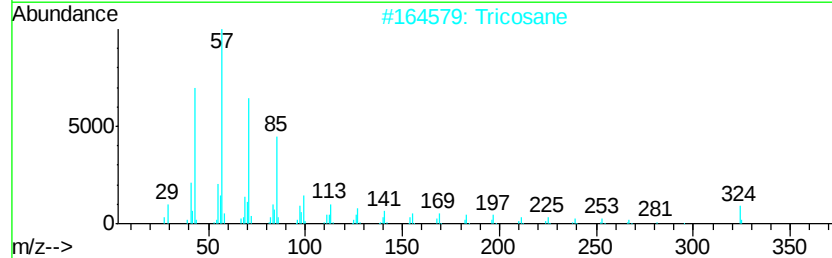
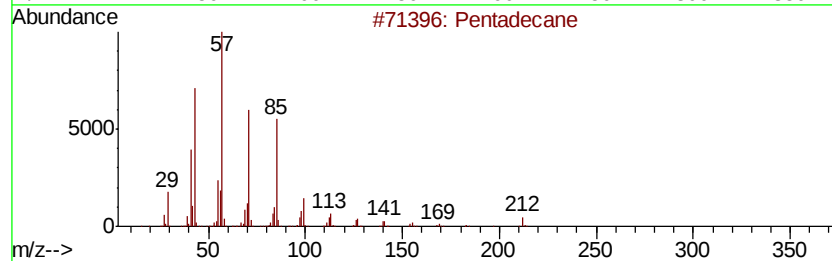
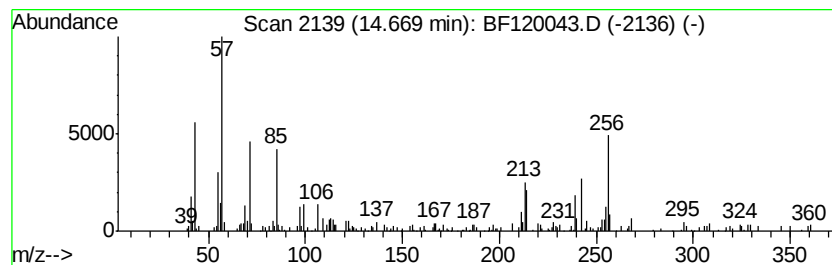
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 unknown14.67 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.67	4.46 ng	144452	Perylene-d12	15.33

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentadecane	212	C15H32	000629-62-9	42
2		Tricosane	324	C23H48	000638-67-5	38
3		Octadecane, 1-iodo-	380	C18H37I	000629-93-6	30
4		Tridecane, 1-iodo-	310	C13H27I	035599-77-0	30
5		Docosane	310	C22H46	000629-97-0	27



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041620\
Data File : BF120043.D
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Misc :
ALS Vial : 51 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-23A

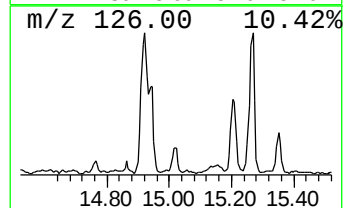
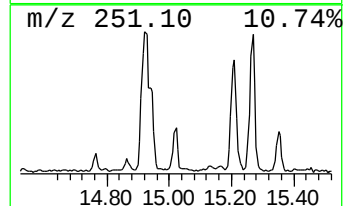
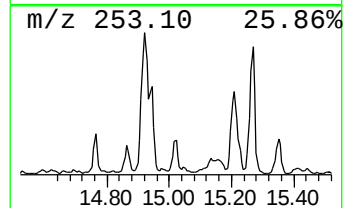
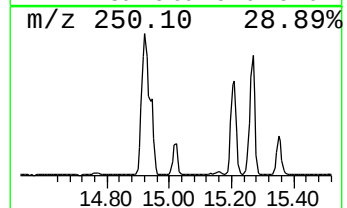
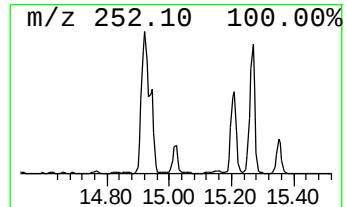
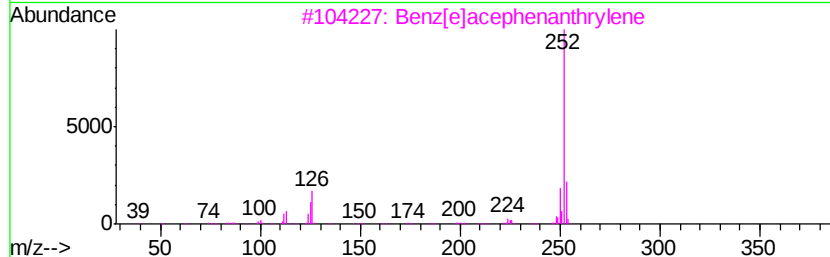
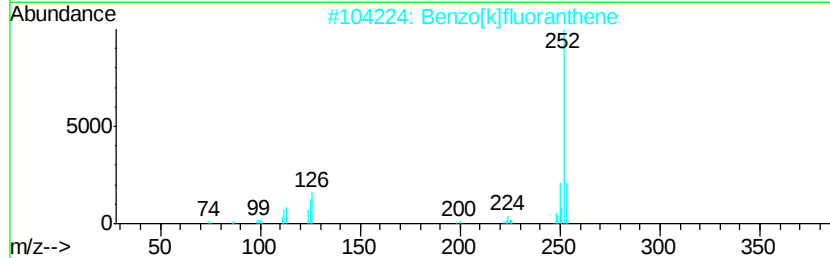
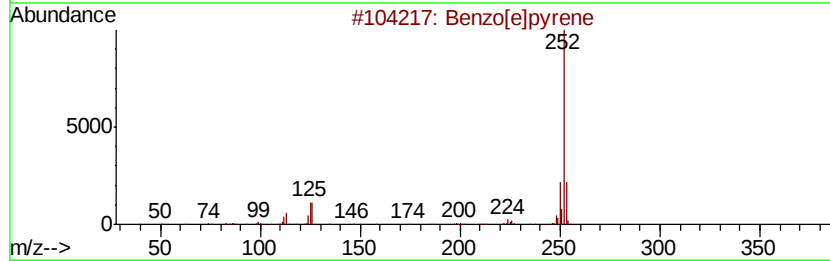
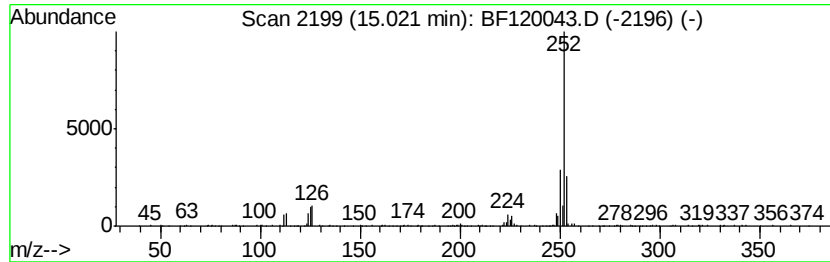
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Benzo[e]pyrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.02	8.65 ng	280255	Perylene-d12	15.33

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[e]pyrene	252	C20H12	000192-97-2	94
2		Benzo[k]fluoranthene	252	C20H12	000207-08-9	94
3		Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
4		Benzo[a]pyrene	252	C20H12	000050-32-8	90
5		Perylene	252	C20H12	000198-55-0	81



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041620\
 Data File : BF120043.D
 Acq On : 16 Apr 2020 18:26
 Operator : MA/SJ
 Sample : L2245-14 5X
 Misc :
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-23A

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
unknown5.97	5.97	4.5 ng		227168	1	6.72	1011420	20.0
9H-Fluorene, 1-me...	10.86	5.5 ng		242870	4	11.25	888146	20.0
unknown11.11	11.11	5.1 ng		225116	4	11.25	888146	20.0
Naphtho[2,1-b]thi...	11.15	6.4 ng		285258	4	11.25	888146	20.0
1H-Indene, 2-phenyl-	11.76	15.2 ng		675871	4	11.25	888146	20.0
Phenanthrene, 2-m...	11.79	20.8 ng		924573	4	11.25	888146	20.0
Phenanthrene, 1-m...	11.83	7.7 ng		341729	4	11.25	888146	20.0
4H-Cyclopenta[def...	11.87	26.1 ng		1158110	4	11.25	888146	20.0
Anthracene, 9-met...	11.89	9.2 ng		409756	4	11.25	888146	20.0
Naphthalene, 2-ph...	12.05	7.7 ng		342533	4	11.25	888146	20.0
9,10-Anthracenedione	12.07	5.5 ng		245209	4	11.25	888146	20.0
Phenanthrene, 2,3...	12.20	5.7 ng		254595	4	11.25	888146	20.0
Phenanthrene, 2,5...	12.31	12.6 ng		560026	4	11.25	888146	20.0
unknown12.35	12.35	4.8 ng		212752	4	11.25	888146	20.0
Cyclopenta(def)ph...	12.39	7.1 ng		317234	4	11.25	888146	20.0
unknown14.67	14.67	4.5 ng		144452	6	15.33	648068	20.0
Benzo[e]pyrene	15.02	8.7 ng		280255	6	15.33	648068	20.0