

Data Path : Z:\HPCHEM1\BNA F\DATA\BF083017\
 Data File : BF098177.D
 Acq On : 31 Aug 2017 1:14
 Operator : SJ/JU
 Sample : I5023-01 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-082917-A

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.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	4.904	476	479	488	rBV	90744	112695	3.20%	0.221%
2	5.328	547	551	554	rBV	1641275	1499239	42.56%	2.946%
3	6.357	722	726	742	rBV	1553365	1603367	45.52%	3.150%
4	6.492	745	749	752	rBV	1773824	1524621	43.28%	2.996%
5	6.722	785	788	792	rBV	818757	748058	21.24%	1.470%
6	6.881	811	815	818	rBV	1349491	1155699	32.81%	2.271%
7	7.287	880	884	889	rBV	1008527	863503	24.51%	1.697%
8	8.010	1001	1007	1009	rBV	1035207	918286	26.07%	1.804%
9	8.028	1009	1010	1014	rVB	148859	101264	2.87%	0.199%
10	8.722	1125	1128	1132	rVB	177356	139326	3.96%	0.274%
11	8.816	1140	1144	1149	rBV	248600	241958	6.87%	0.475%
12	9.081	1185	1189	1193	rBV	1551603	1429208	40.57%	2.808%
13	9.351	1230	1235	1238	rBV2	142860	194867	5.53%	0.383%
14	9.422	1243	1247	1249	rVV	237350	249713	7.09%	0.491%
15	9.445	1249	1251	1253	rVV	173698	139484	3.96%	0.274%
16	9.481	1253	1257	1261	rVV	205434	233917	6.64%	0.460%
17	9.533	1263	1266	1272	rVV	127704	166258	4.72%	0.327%
18	9.622	1276	1281	1285	rBV	223499	214101	6.08%	0.421%
19	9.757	1298	1304	1307	rBV	870958	861899	24.47%	1.694%
20	9.792	1307	1310	1313	rVV	269023	243021	6.90%	0.478%
21	9.863	1319	1322	1327	rBV2	80093	111567	3.17%	0.219%
22	9.963	1333	1339	1342	rVV	237619	240712	6.83%	0.473%
23	10.004	1342	1346	1350	rVV	121376	113144	3.21%	0.222%
24	10.075	1353	1358	1361	rBV	137959	142491	4.04%	0.280%
25	10.163	1369	1373	1375	rBV2	92494	120285	3.41%	0.236%
26	10.192	1375	1378	1380	rVV2	84088	105345	2.99%	0.207%
27	10.304	1394	1397	1403	rVB2	437192	409943	11.64%	0.806%
28	10.369	1403	1408	1410	rBV2	103010	131698	3.74%	0.259%
29	10.463	1421	1424	1428	rVB2	102436	112252	3.19%	0.221%
30	10.545	1433	1438	1442	rBV	817386	750046	21.29%	1.474%
31	10.669	1454	1459	1465	rVB3	180508	227985	6.47%	0.448%
32	10.851	1485	1490	1493	rBV2	180668	218960	6.22%	0.430%
33	10.880	1493	1495	1498	rVB2	115074	95070	2.70%	0.187%
34	10.933	1501	1504	1507	rVB2	127594	124372	3.53%	0.244%

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF083017\
 Data File : BF098177.D
 Acq On : 31 Aug 2017 1:14
 Operator : SJ/JU
 Sample : I5023-01 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-082917-A

Integration Parameters: rteint.p
 Integrator: RTE
 Smoothing : ON
 Sampling : 1
 Start Thrs: 0.2
 Stop Thrs : 0

Filtering: 5
 Min Area: 3 % of largest Peak
 Max Peaks: 100
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.139	1536	1539	1544	rVB	200860	217342	6.17%	0.427%
36	11.239	1553	1556	1558	rBV	737275	720565	20.46%	1.416%
37	11.269	1558	1561	1564	rVB	2025196	1646787	46.75%	3.236%
38	11.316	1564	1569	1572	rVB	747248	609002	17.29%	1.197%
39	11.351	1572	1575	1578	rBV	169181	185885	5.28%	0.365%
40	11.475	1589	1596	1598	rBV3	177115	236674	6.72%	0.465%
41	11.539	1604	1607	1609	rBV	123975	90708	2.57%	0.178%
42	11.569	1609	1612	1616	rVB2	167297	161417	4.58%	0.317%
43	11.639	1621	1624	1630	rVB2	107564	186097	5.28%	0.366%
44	11.739	1638	1641	1644	rBV	448776	460047	13.06%	0.904%
45	11.769	1644	1646	1650	rVB	652062	553154	15.70%	1.087%
46	11.816	1651	1654	1657	rBV	292934	300811	8.54%	0.591%
47	11.857	1657	1661	1663	rBV	901262	1005728	28.55%	1.976%
48	11.945	1674	1676	1679	rVV2	81895	93770	2.66%	0.184%
49	11.975	1679	1681	1684	rVV2	122894	100895	2.86%	0.198%
50	12.039	1685	1692	1694	rVV2	297353	362598	10.29%	0.712%
51	12.063	1694	1696	1702	rVB2	187870	210110	5.96%	0.413%
52	12.186	1715	1717	1719	rVV	142491	112787	3.20%	0.222%
53	12.216	1719	1722	1724	rVV	182623	158503	4.50%	0.311%
54	12.239	1724	1726	1729	rVB2	161531	132580	3.76%	0.261%
55	12.292	1729	1735	1738	rBV	539720	632840	17.96%	1.243%
56	12.327	1738	1741	1743	rVV2	627361	738289	20.96%	1.451%
57	12.380	1747	1750	1754	rBV2	237177	354923	10.08%	0.697%
58	12.457	1759	1763	1766	rVV	2832168	2770232	78.64%	5.443%
59	12.498	1766	1770	1772	rVV	117734	134650	3.82%	0.265%
60	12.604	1781	1788	1792	rBV3	164286	300293	8.52%	0.590%
61	12.686	1796	1802	1807	rBV	2816795	3522654	100.00%	6.922%
62	12.739	1807	1811	1814	rVB2	207527	281600	7.99%	0.553%
63	12.798	1818	1821	1823	rBV2	194639	187237	5.32%	0.368%
64	12.827	1823	1826	1832	rVB	1210321	1311878	37.24%	2.578%
65	12.898	1833	1838	1841	rBV3	363039	520507	14.78%	1.023%
66	12.957	1846	1848	1850	rVV2	108420	101282	2.88%	0.199%
67	13.010	1850	1857	1860	rVB	735768	1056532	29.99%	2.076%
68	13.074	1860	1868	1871	rBV	596185	724534	20.57%	1.424%
69	13.110	1871	1874	1878	rVV2	571697	633181	17.97%	1.244%
70	13.204	1887	1890	1893	rVV	453825	354496	10.06%	0.697%
71	13.233	1893	1895	1898	rVV	453294	376257	10.68%	0.739%

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF083017\
 Data File : BF098177.D
 Acq On : 31 Aug 2017 1:14
 Operator : SJ/JU
 Sample : I5023-01 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-082917-A

Integration Parameters: rteint.p
 Integrator: RTE
 Smoothing : ON
 Sampling : 1
 Start Thrs: 0.2
 Stop Thrs : 0
 Filtering: 5
 Min Area: 3 % of largest Peak
 Max Peaks: 100
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.316	1907	1909	1913	rVB3	94554	117432	3.33%	0.231%
73	13.410	1922	1925	1927	rBV3	122148	135222	3.84%	0.266%
74	13.492	1936	1939	1941	rBV2	159763	211164	5.99%	0.415%
75	13.516	1941	1943	1947	rVV	264954	316476	8.98%	0.622%
76	13.574	1951	1953	1957	rVB	113495	92548	2.63%	0.182%
77	13.627	1957	1962	1965	rBV2	334412	528718	15.01%	1.039%
78	13.651	1965	1966	1969	rVV	264564	242986	6.90%	0.477%
79	13.674	1969	1970	1976	rVV2	215561	336355	9.55%	0.661%
80	13.727	1976	1979	1982	rVB2	241347	277309	7.87%	0.545%
81	13.874	1999	2004	2007	rBV2	1597140	2395125	67.99%	4.706%
82	13.910	2007	2010	2016	rVB	1386126	1432604	40.67%	2.815%
83	13.980	2020	2022	2025	rVB	234538	200270	5.69%	0.394%
84	14.021	2027	2029	2031	rBV	117760	101296	2.88%	0.199%
85	14.227	2062	2064	2066	rBV	124078	110411	3.13%	0.217%
86	14.263	2067	2070	2073	rVV	441169	436204	12.38%	0.857%
87	14.298	2073	2076	2079	rVB	258343	223205	6.34%	0.439%
88	14.357	2084	2086	2089	rVV2	272430	269739	7.66%	0.530%
89	14.386	2089	2091	2093	rVV	275887	267845	7.60%	0.526%
90	14.410	2093	2095	2098	rVB	237283	195627	5.55%	0.384%
91	14.645	2133	2135	2138	rBV2	114799	123085	3.49%	0.242%
92	14.898	2173	2178	2181	rBV	983635	1574385	44.69%	3.094%
93	14.992	2192	2194	2198	rVB	217395	186512	5.29%	0.366%
94	15.180	2222	2226	2231	rVB	571466	708113	20.10%	1.391%
95	15.239	2232	2236	2241	rVV	923244	1105870	31.39%	2.173%
96	15.298	2242	2246	2248	rVV	396095	488151	13.86%	0.959%
97	15.327	2248	2251	2257	rVB2	312239	395493	11.23%	0.777%
98	16.357	2422	2426	2434	rVB4	161664	305582	8.67%	0.600%
99	16.674	2474	2480	2487	rVB2	313818	611327	17.35%	1.201%
100	17.086	2546	2550	2556	rVB	237124	412373	11.71%	0.810%

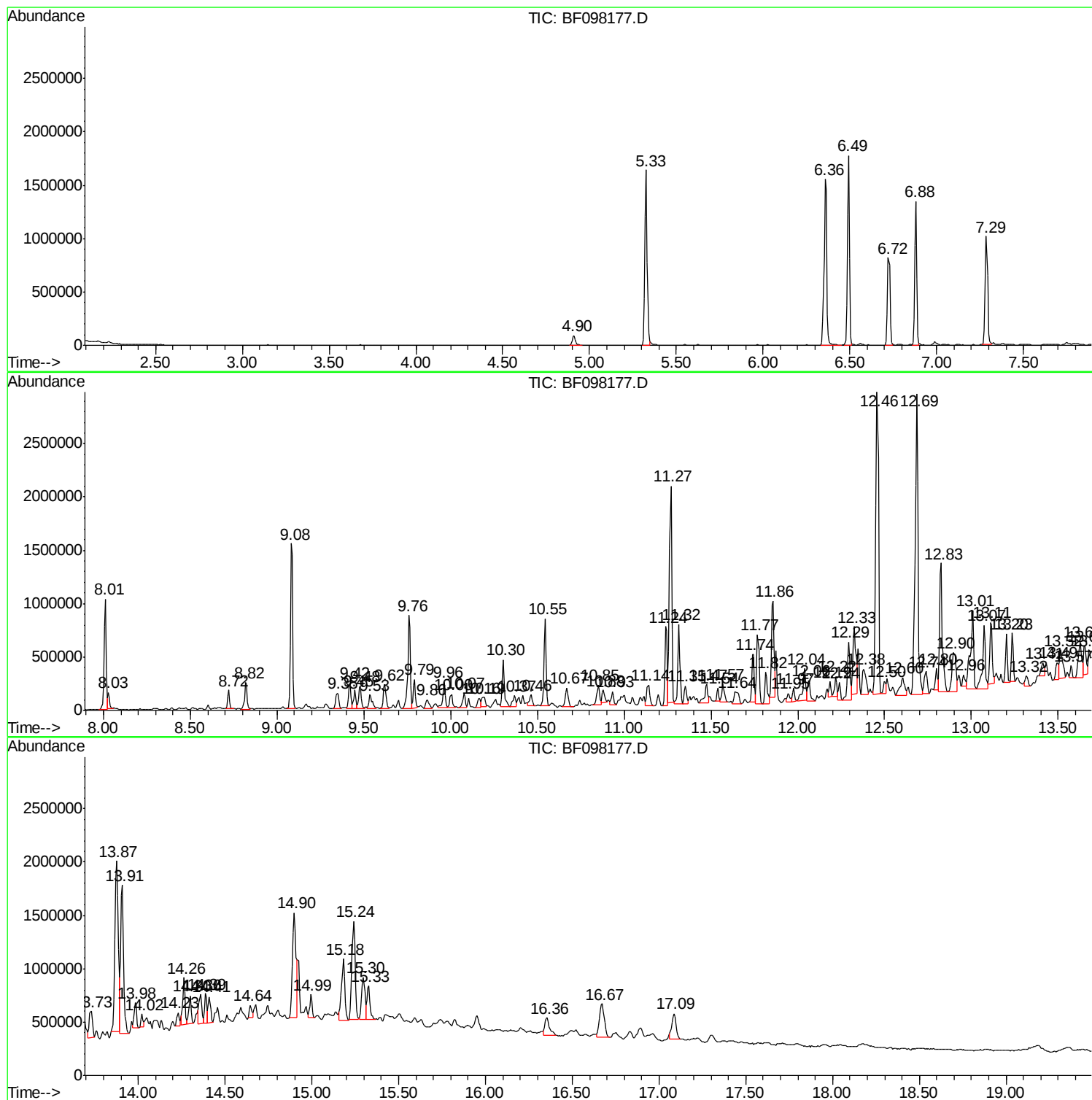
Sum of corrected areas: 50892626

Data Path : Z:\HPCHEM1\BNA F\DATA\BF083017\
Data File : BF098177.D
Acq On : 31 Aug 2017 1:14
Operator : SJ/JU
Sample : I5023-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-01-082917-A

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF083017\
Data File : BF098177.D
Acq On : 31 Aug 2017 1:14
Operator : SJ/JU
Sample : I5023-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-01-082917-A

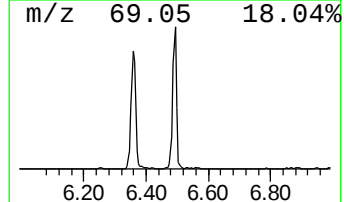
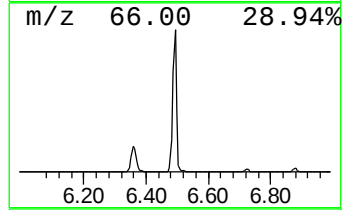
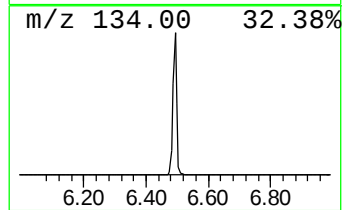
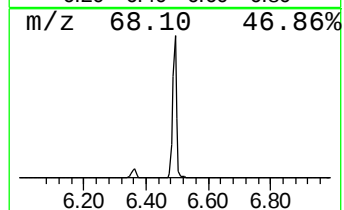
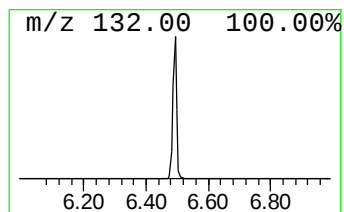
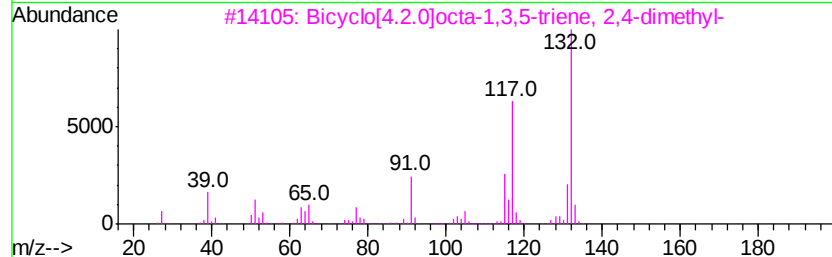
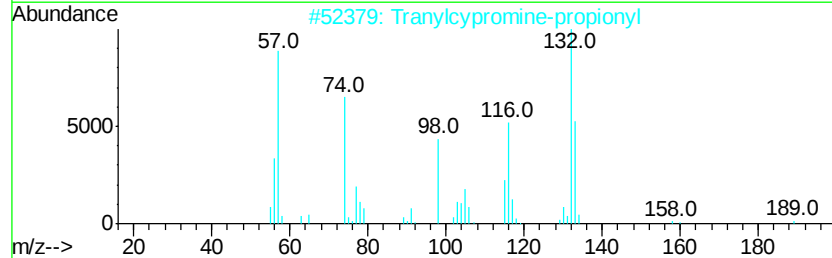
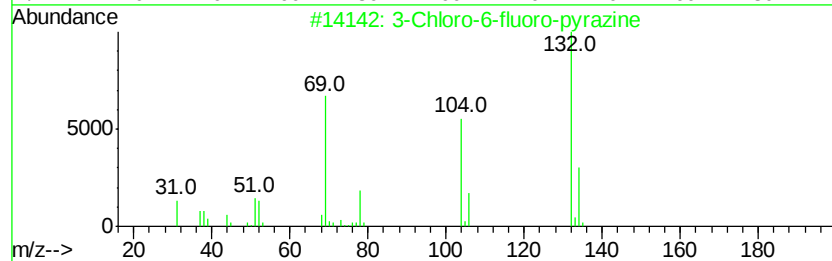
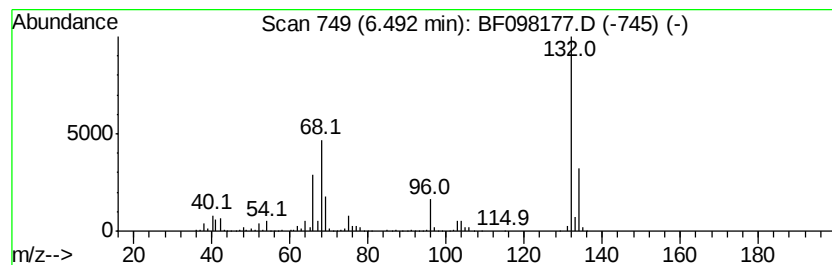
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown6.49 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.49	40.76 ng	1524620	1,4-Dichlorobenzene-d4	6.72

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	35
2		Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
3		Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
4		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	9
5		Xenon	132	Xe	007440-63-3	9



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF083017\
Data File : BF098177.D
Acq On : 31 Aug 2017 1:14
Operator : SJ/JU
Sample : I5023-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-01-082917-A

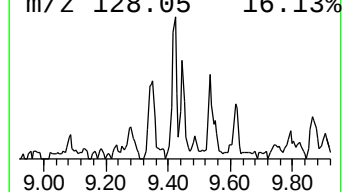
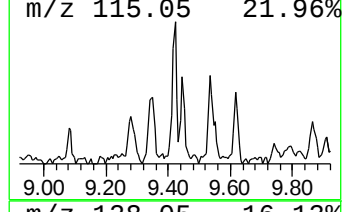
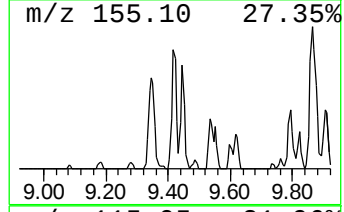
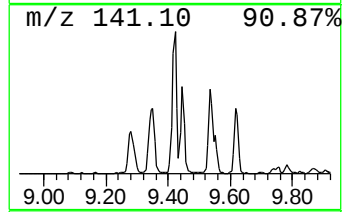
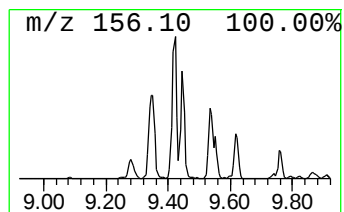
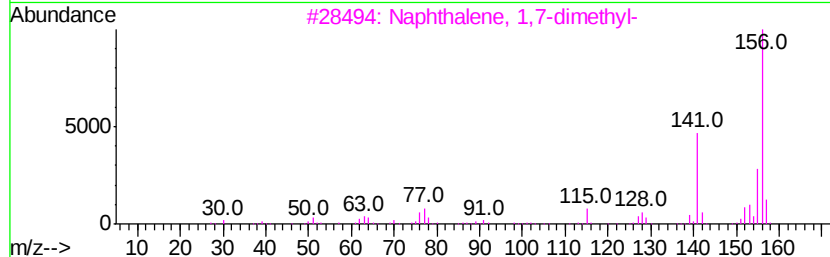
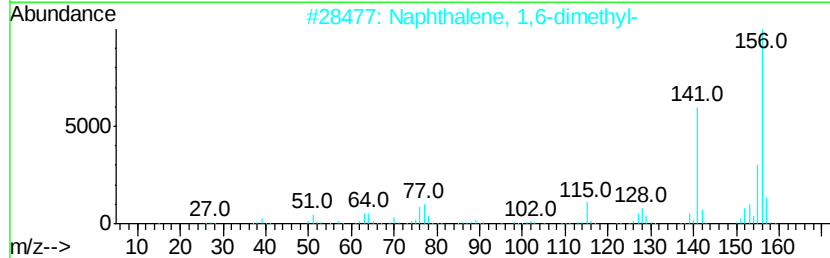
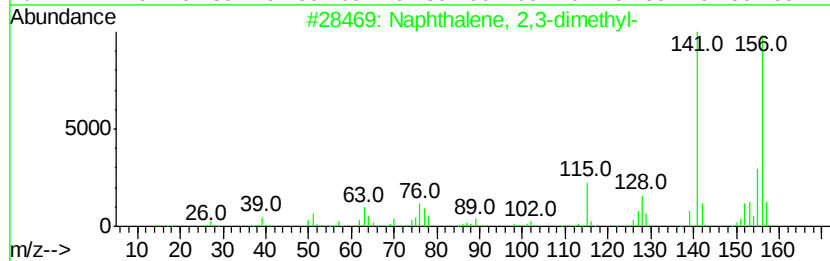
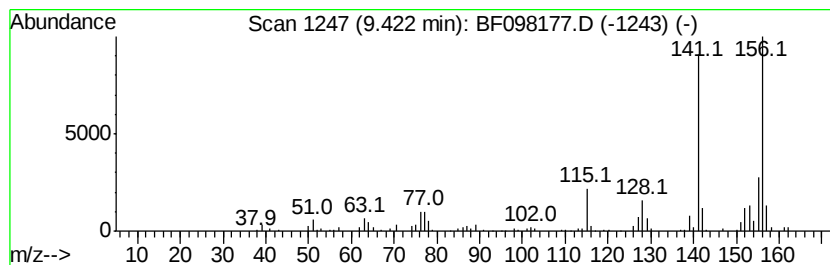
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 Naphthalene, 2,3-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.42	5.79 ng	249713	Acenaphthene-d10	9.76

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2			Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
3			Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
4			Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	96
5			Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF083017\
Data File : BF098177.D
Acq On : 31 Aug 2017 1:14
Operator : SJ/JU
Sample : I5023-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-01-082917-A

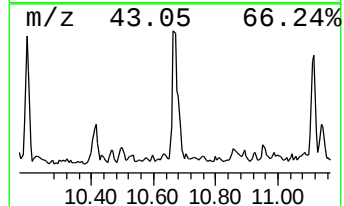
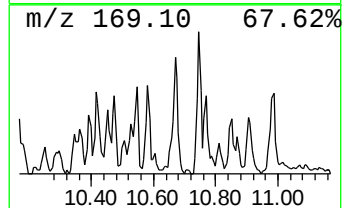
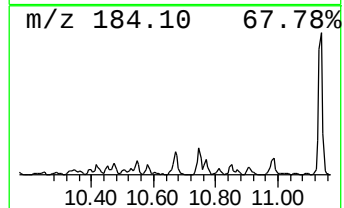
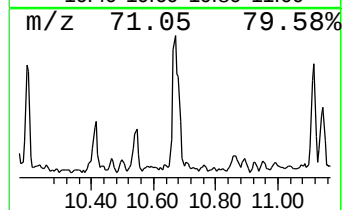
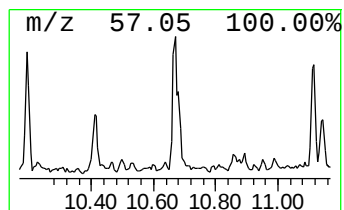
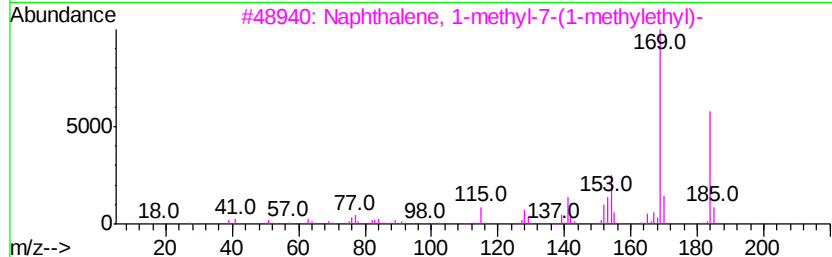
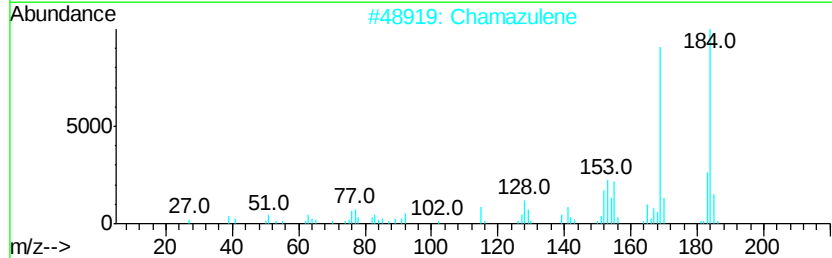
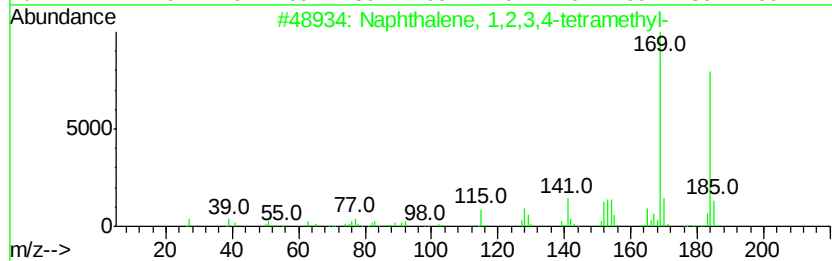
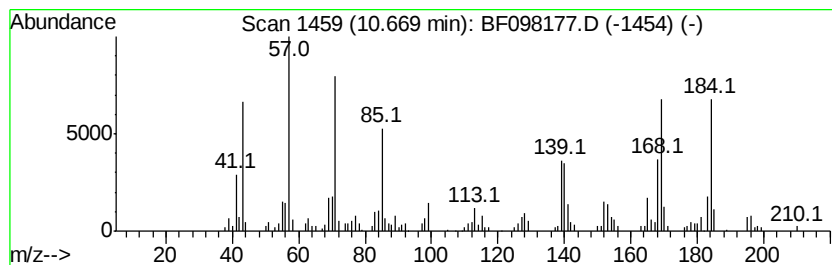
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Naphthalene, 1,2,3,4-tetram... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.67	6.33 ng	227985	Phenanthrene-d10	11.24

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,2,3,4-tetramethyl-	184	C14H16	003031-15-0	72
2		Chamazulene	184	C14H16	000529-05-5	52
3		Naphthalene, 1-methyl-7-(1-methyl...	184	C14H16	000490-65-3	52
4		Dodecane	170	C12H26	000112-40-3	46
5		Nonadecane, 9-methyl-	282	C20H42	013287-24-6	43



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF083017\
Data File : BF098177.D
Acq On : 31 Aug 2017 1:14
Operator : SJ/JU
Sample : I5023-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampled :
PL-01-082917-A

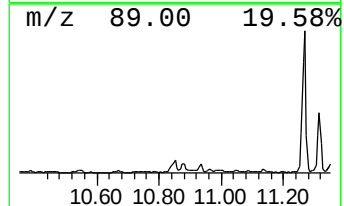
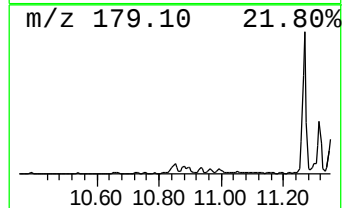
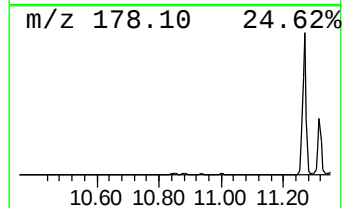
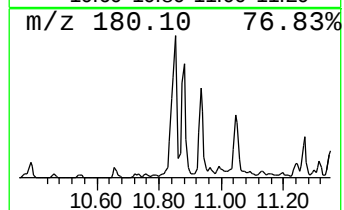
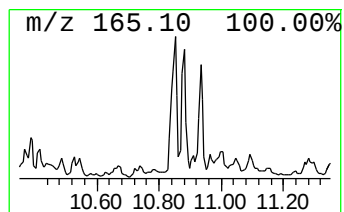
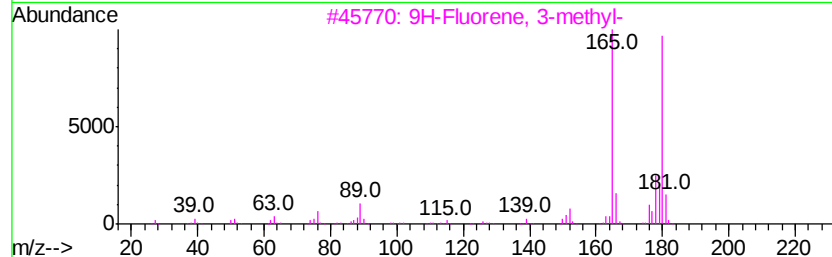
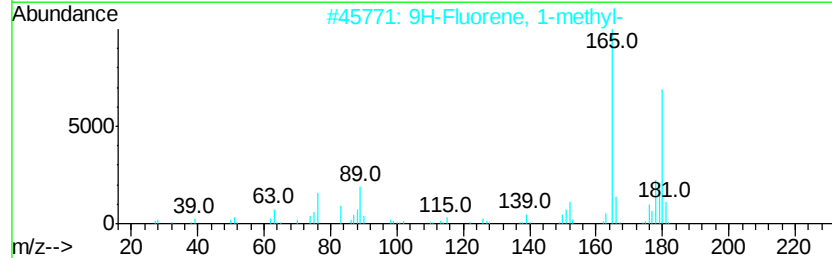
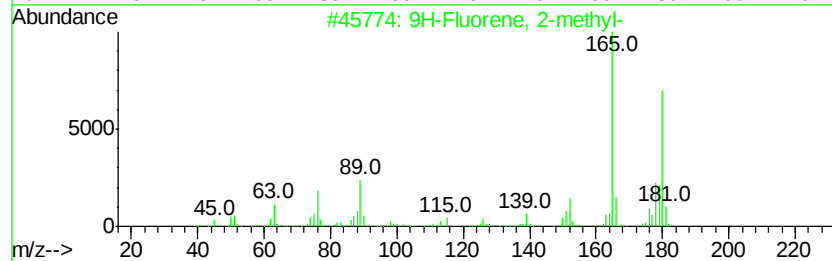
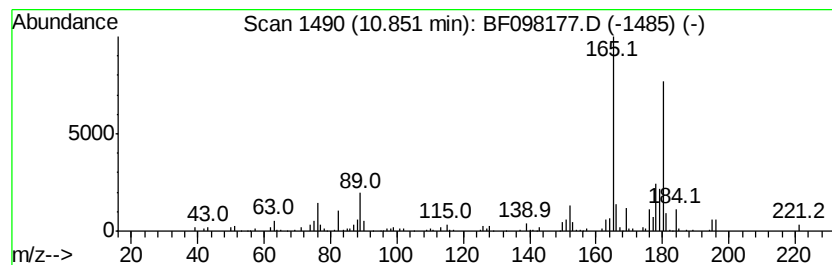
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 9H-Fluorene, 2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.85	6.08 ng	218960	Phenanthrene-d10	11.24

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	97
2		9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
3		9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	95
4		9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	89
5		9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	89



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF083017\
Data File : BF098177.D
Acq On : 31 Aug 2017 1:14
Operator : SJ/JU
Sample : I5023-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-01-082917-A

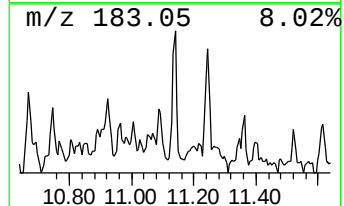
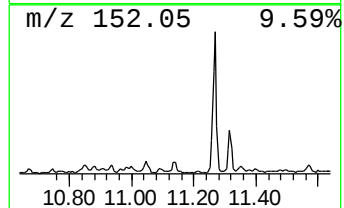
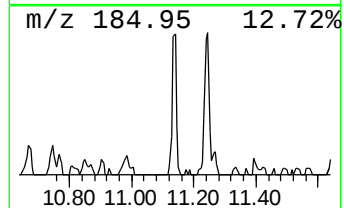
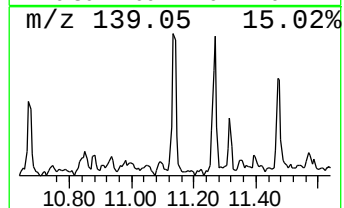
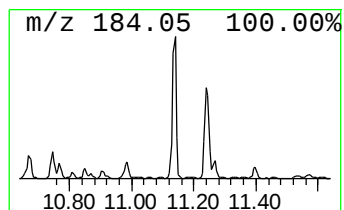
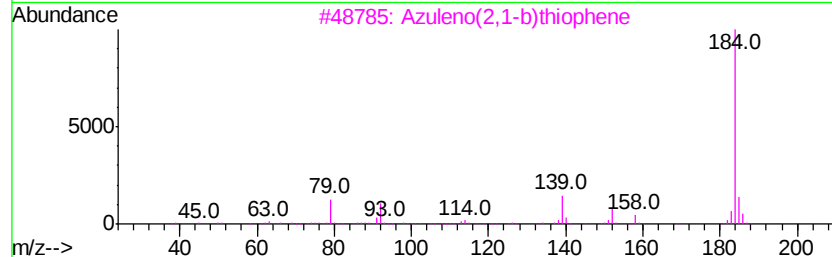
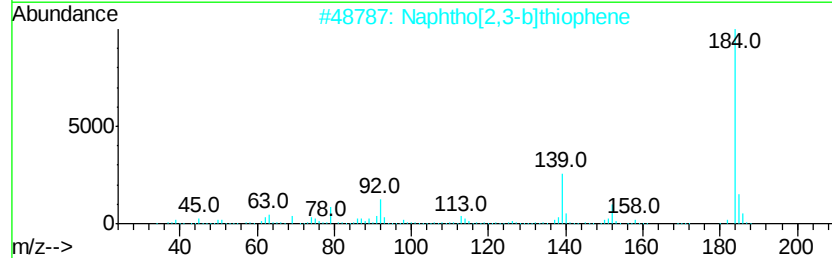
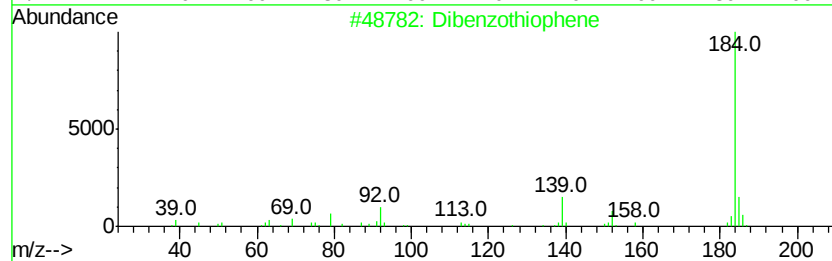
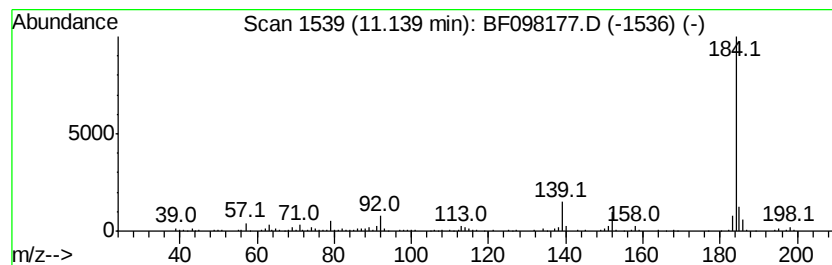
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Dibenzothiophene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.14	6.03 ng	217342	Phenanthrene-d10	11.24

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Dibenzothiophene	184	C12H8S	000132-65-0	96
2		Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	93
3		Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
4		Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	90
5		Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	80



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF083017\
Data File : BF098177.D
Acq On : 31 Aug 2017 1:14
Operator : SJ/JU
Sample : I5023-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-01-082917-A

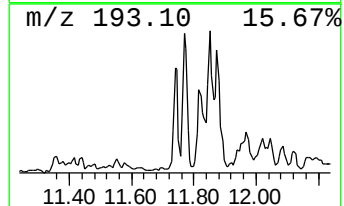
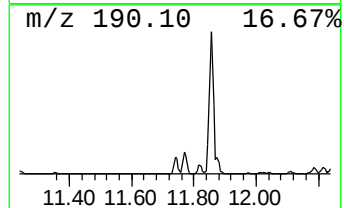
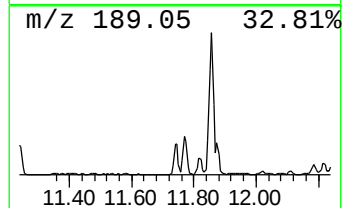
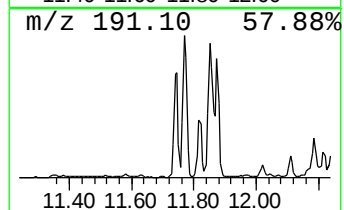
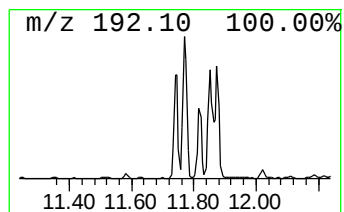
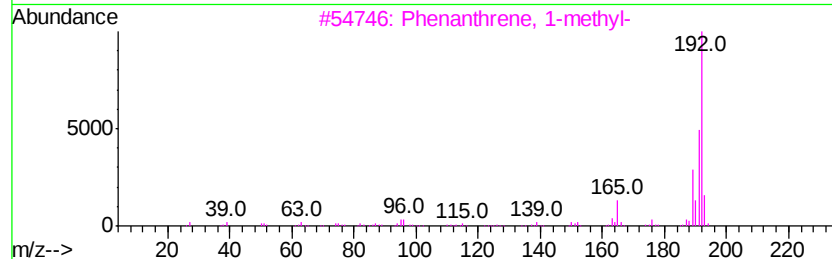
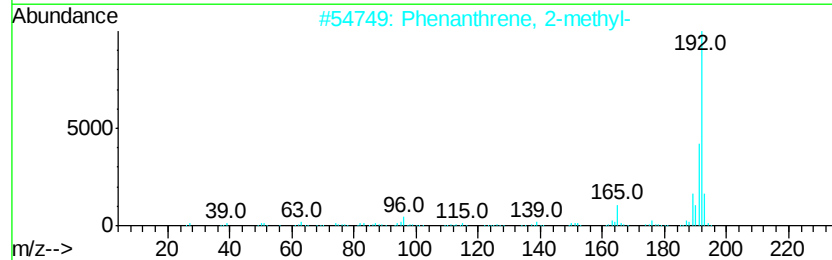
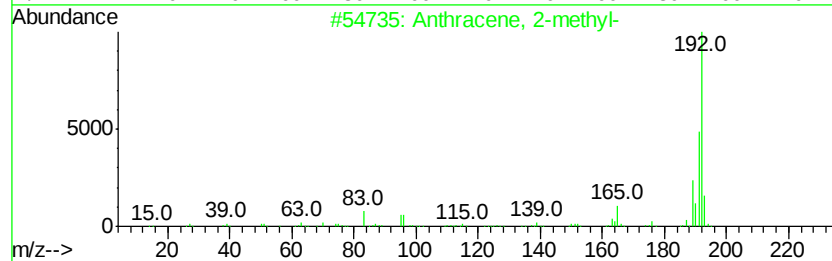
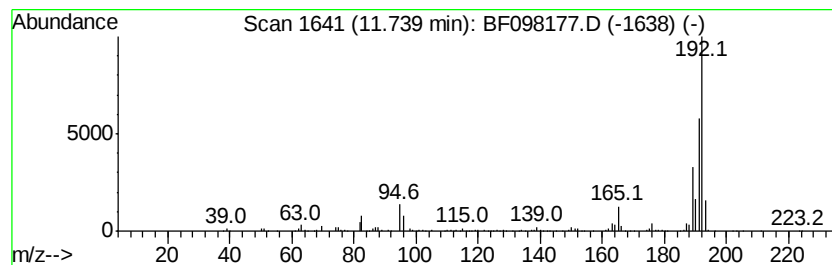
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Anthracene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.74	12.77 ng	460047	Phenanthrene-d10	11.24

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
2		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
4		Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
5		Anthracene, 9-methyl-	192	C15H12	000779-02-2	91



Data Path : Z:\HPCHEM1\BNA F\DATA\BF083017\
Data File : BF098177.D
Acq On : 31 Aug 2017 1:14
Operator : SJ/JU
Sample : I5023-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-01-082917-A

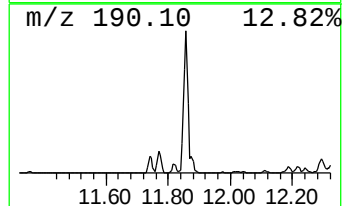
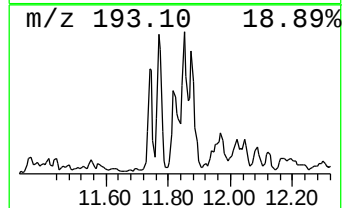
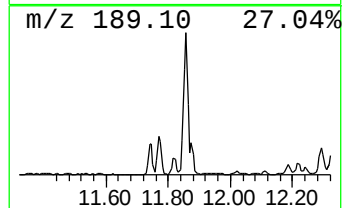
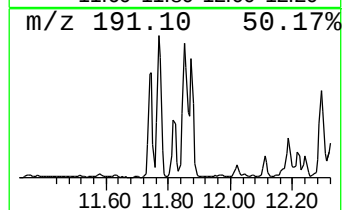
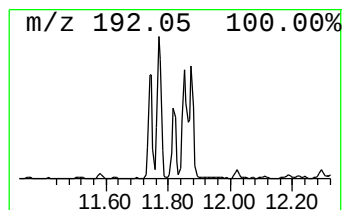
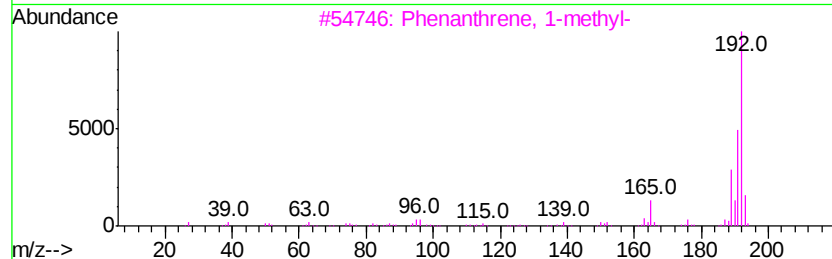
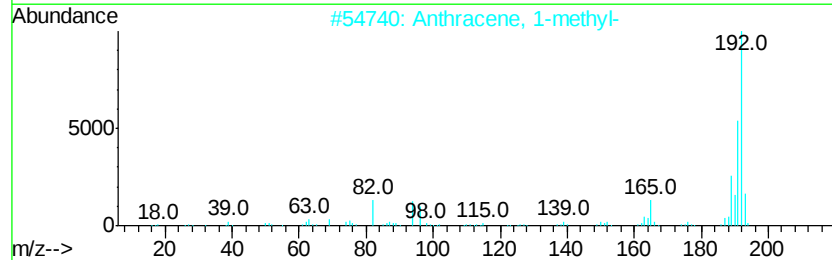
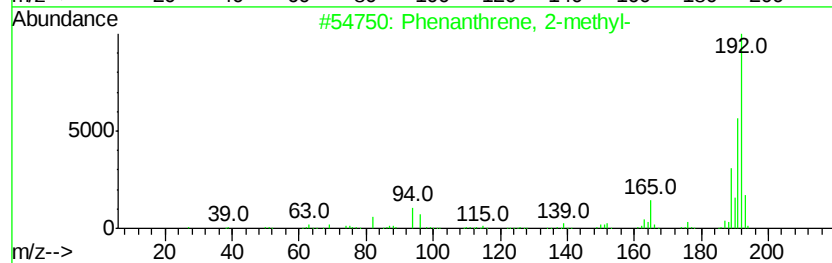
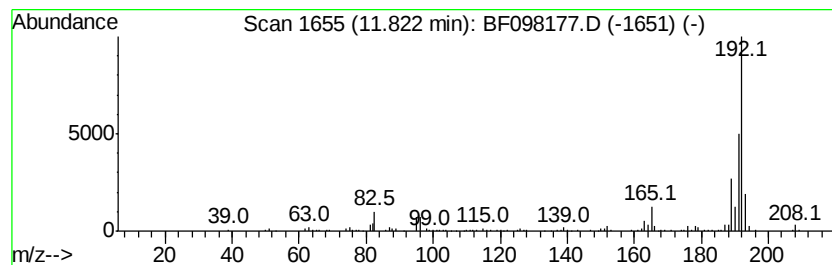
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Phenanthrene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.82	8.35 ng	300811	Phenanthrene-d10	11.24

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2			Anthracene, 1-methyl-	192	C15H12	000610-48-0	97
3			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	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:\HPCHEM1\BNA F\DATA\BF083017\
Data File : BF098177.D
Acq On : 31 Aug 2017 1:14
Operator : SJ/JU
Sample : I5023-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

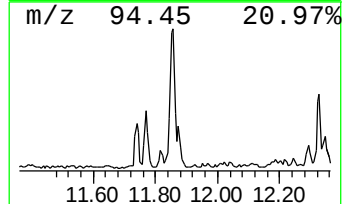
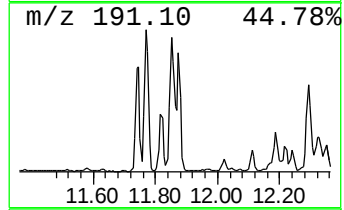
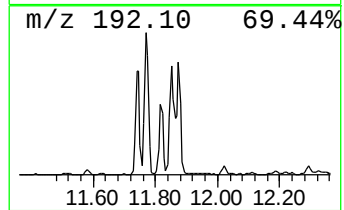
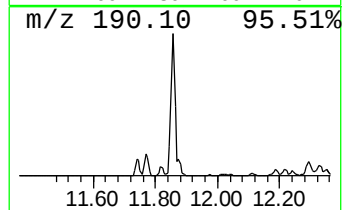
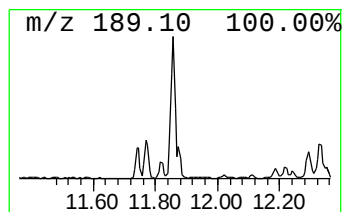
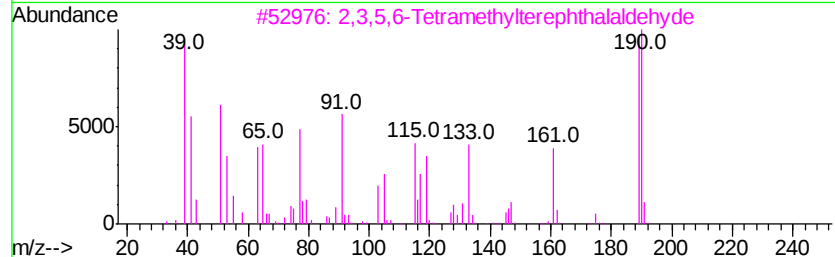
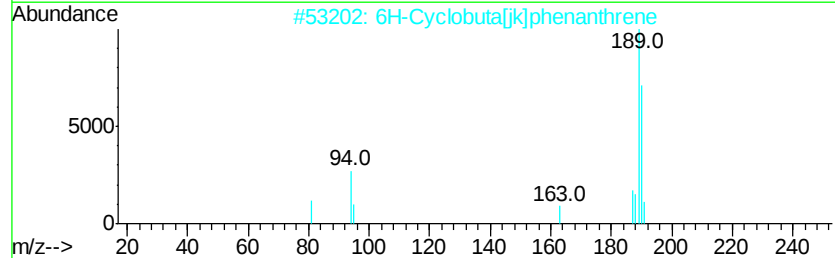
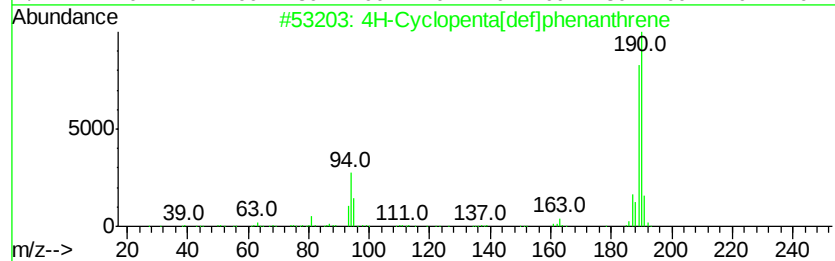
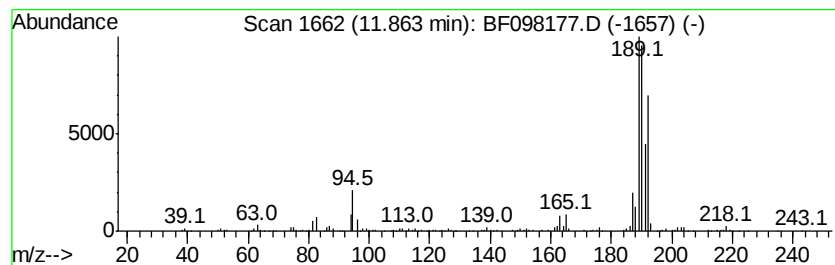
Instrument :
BNA_F
ClientSampleId :
PL-01-082917-A

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
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.		
11.86	27.92 ng	1005730	Phenanthrene-d10	11.24		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2		6H-Cyclobuta[ik]phenanthrene	190	C15H10	083469-43-6	53
3		2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43
4		Methyl diselenide	190	C2H6Se2	007101-31-7	43
5		Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	33



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF083017\
Data File : BF098177.D
Acq On : 31 Aug 2017 1:14
Operator : SJ/JU
Sample : I5023-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-01-082917-A

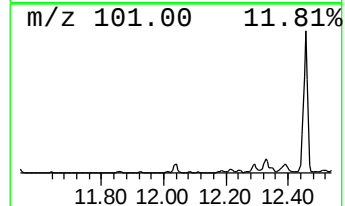
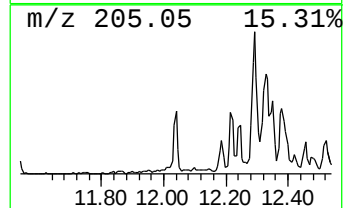
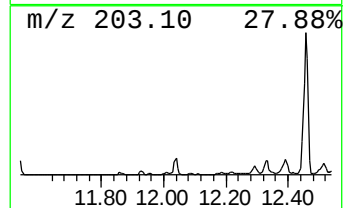
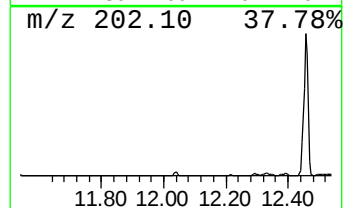
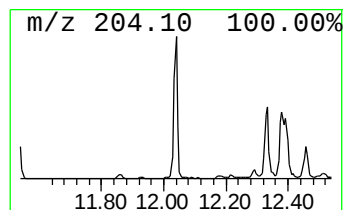
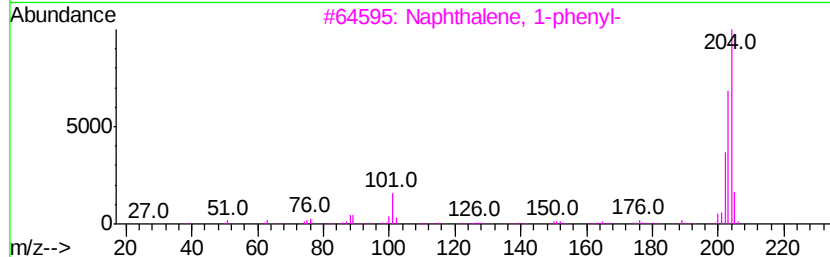
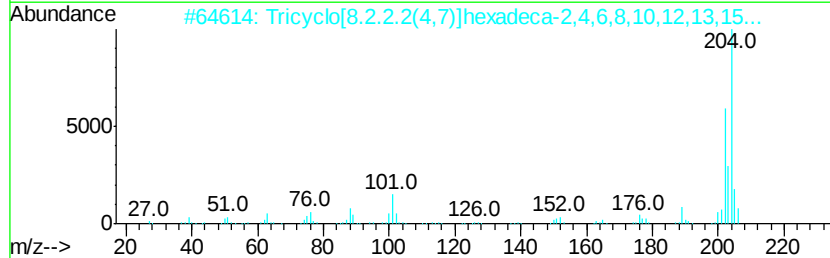
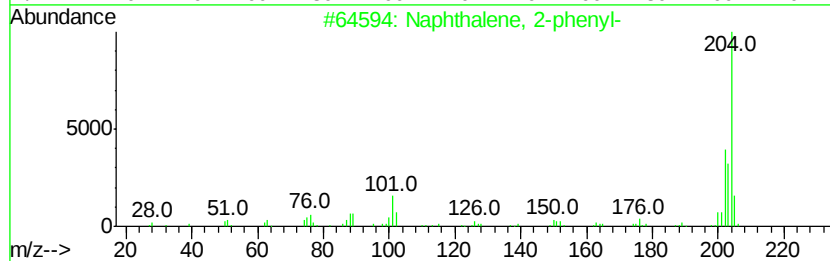
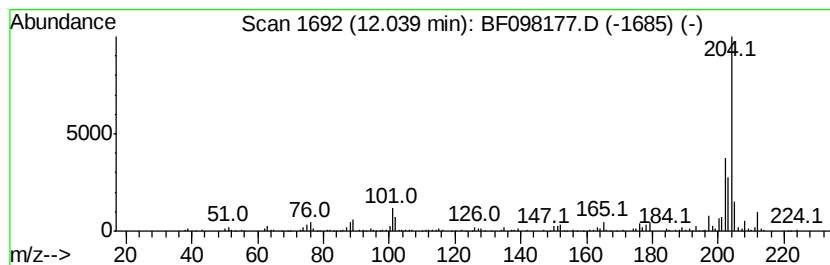
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Naphthalene, 2-phenyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.04	10.06 ng	362598	Phenanthrene-d10	11.24

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	94
2		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	89
3		Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	60
4		9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	58
5		[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	49



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF083017\
Data File : BF098177.D
Acq On : 31 Aug 2017 1:14
Operator : SJ/JU
Sample : I5023-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-01-082917-A

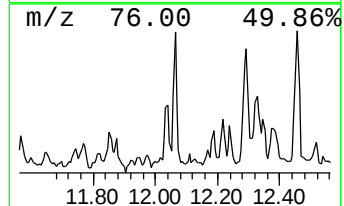
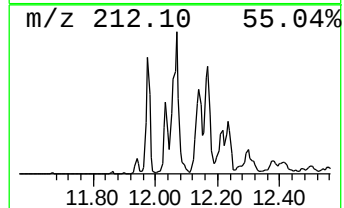
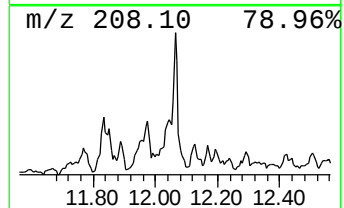
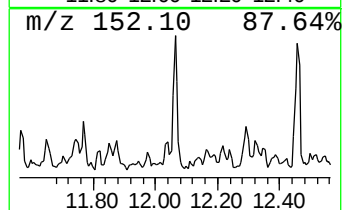
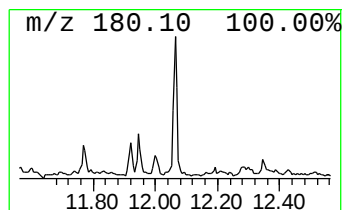
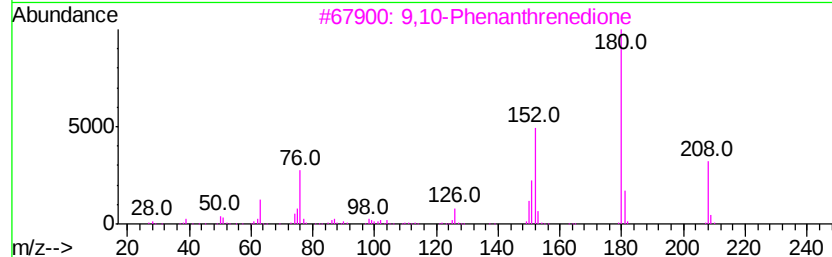
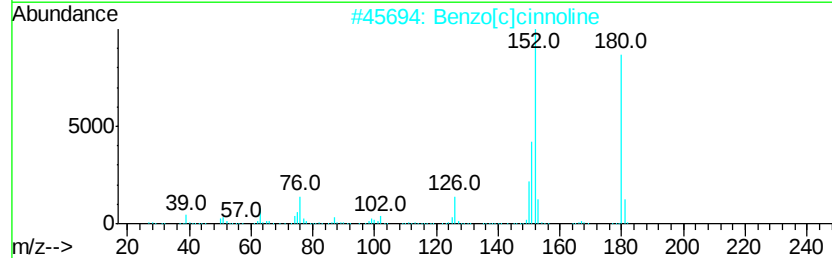
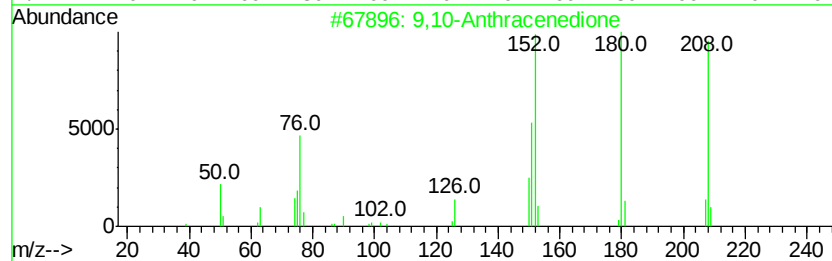
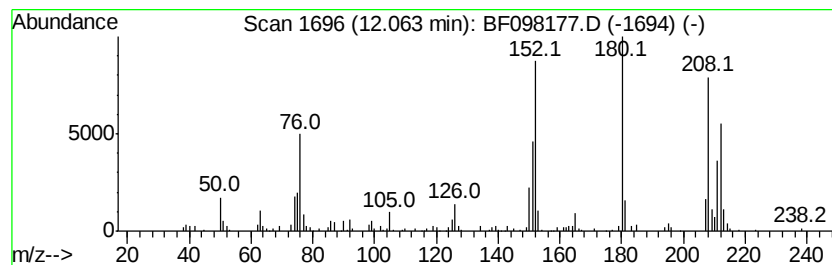
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 9,10-Anthracenedione Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.06	5.83 ng	210110	Phenanthrene-d10	11.24

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			9,10-Anthracenedione	208	C14H8O2	000084-65-1	99
2			Benzo[c]cinnoline	180	C12H8N2	000230-17-1	78
3			9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	60
4			9H-Fluoren-9-one	180	C13H8O	000486-25-9	53
5			1H-Phenalen-1-one	180	C13H8O	000548-39-0	45



Data Path : Z:\HPCHEM1\BNA F\DATA\BF083017\
Data File : BF098177.D
Acq On : 31 Aug 2017 1:14
Operator : SJ/JU
Sample : I5023-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

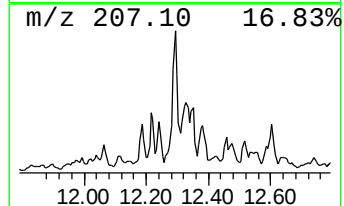
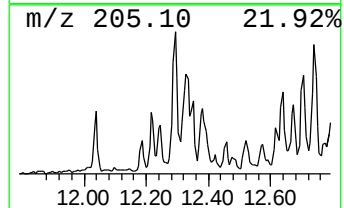
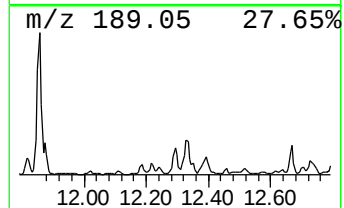
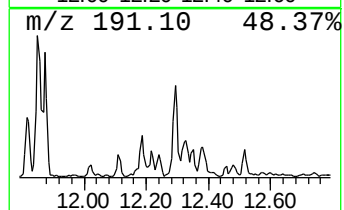
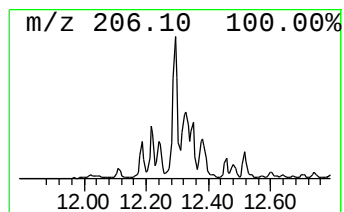
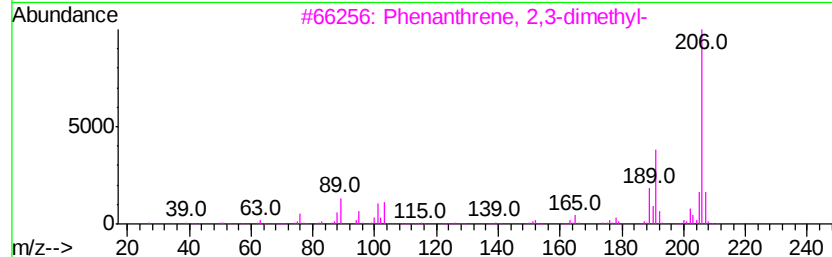
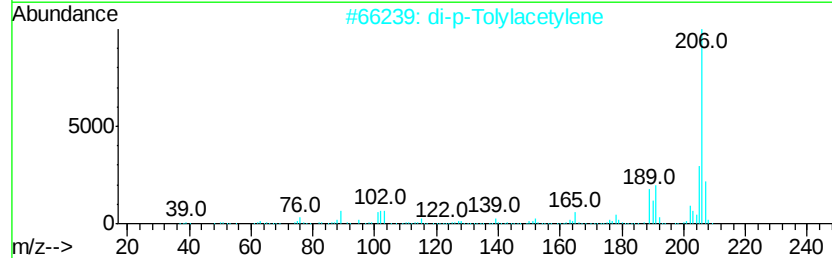
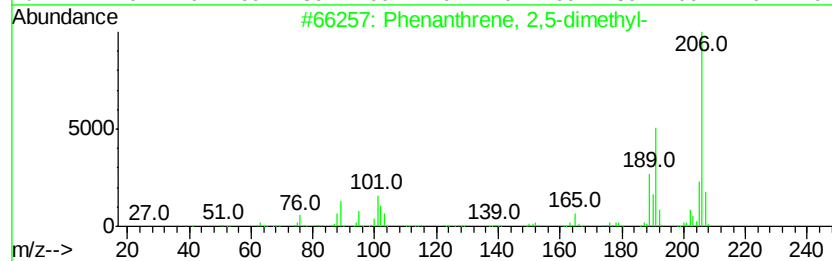
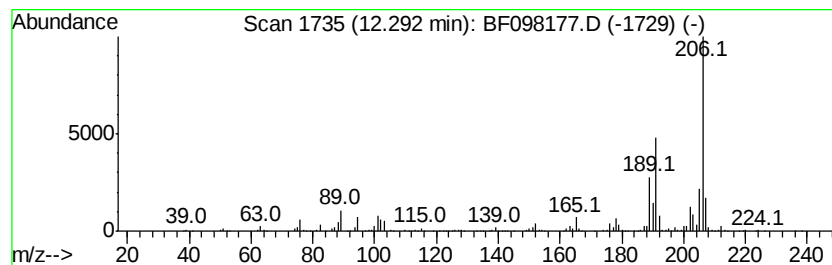
Instrument :
BNA_F
ClientSampleId :
PL-01-082917-A

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Phenanthrene, 2,5-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD		R.T.
12.29	17.57 ng	632840	Phenanthrene-d10		11.24
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	96
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
5	9,10-Dimethylantracene	206	C16H14	000781-43-1	91



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF083017\
Data File : BF098177.D
Acq On : 31 Aug 2017 1:14
Operator : SJ/JU
Sample : I5023-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-01-082917-A

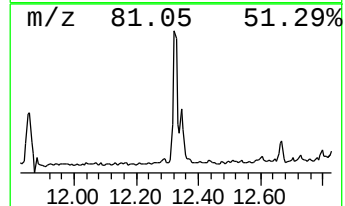
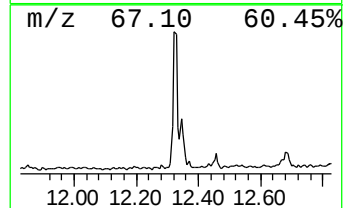
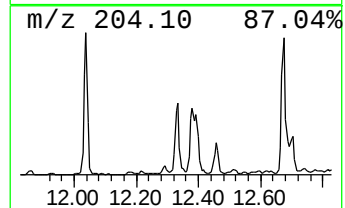
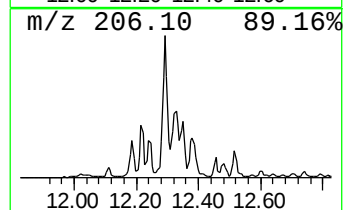
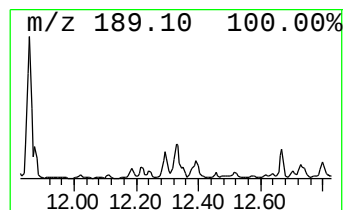
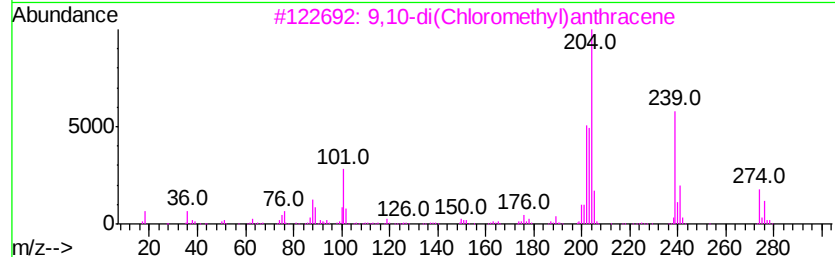
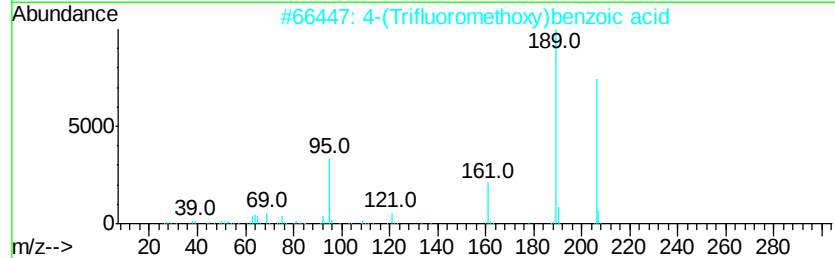
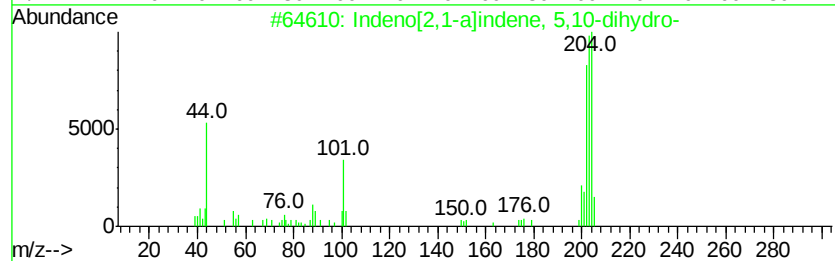
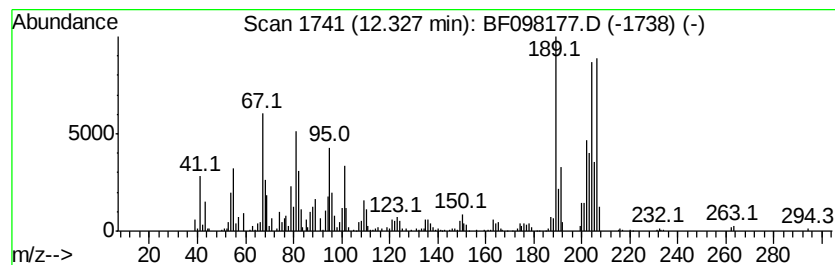
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 unknown12.33 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.33	20.49 ng	738289	Phenanthrene-d10	11.24

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	44
2		4-(Trifluoromethoxy)benzoic acid	206	C8H5F3O3	000330-12-1	38
3		9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	35
4		9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	35
5		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	30



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF083017\
Data File : BF098177.D
Acq On : 31 Aug 2017 1:14
Operator : SJ/JU
Sample : I5023-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-01-082917-A

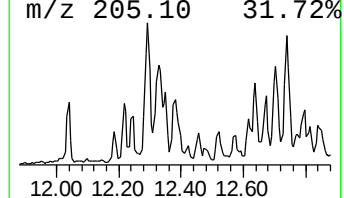
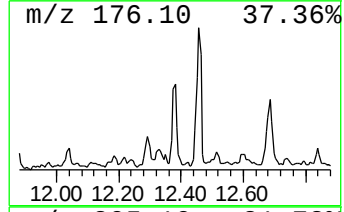
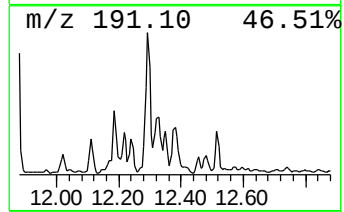
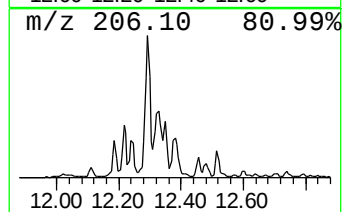
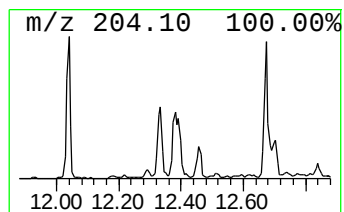
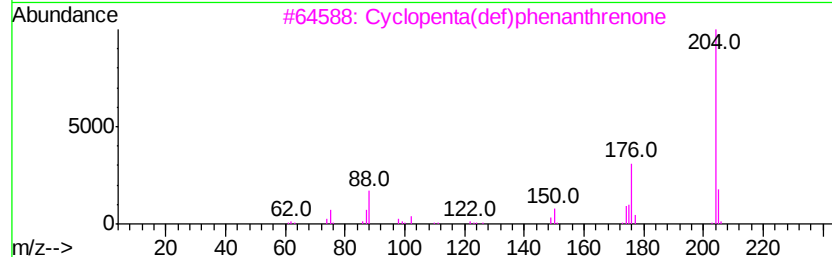
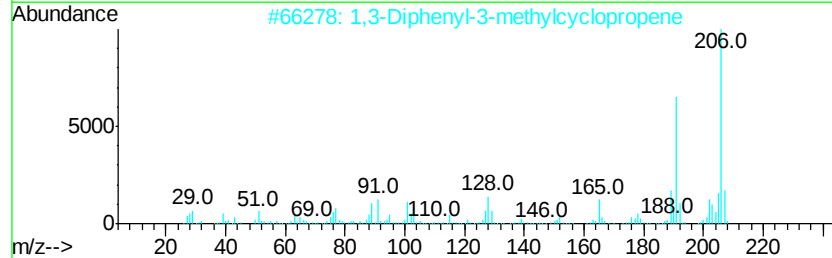
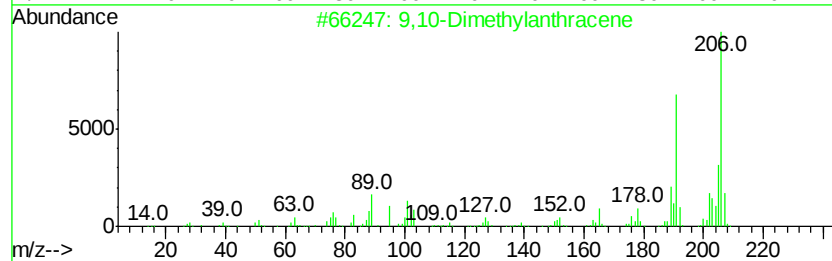
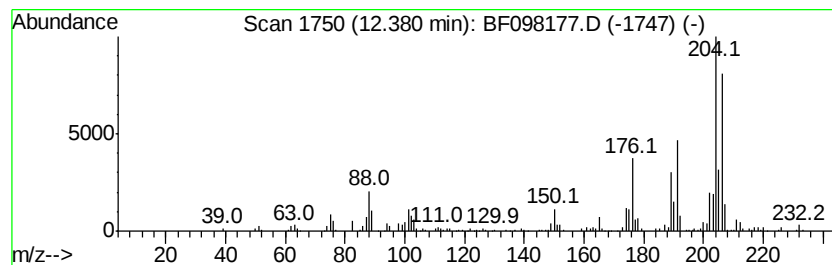
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 9,10-Dimethylantracene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.38	9.85 ng	354923	Phenanthrene-d10	11.24

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9,10-Dimethylantracene	206	C16H14	000781-43-1	86
2		1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	83
3		Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	83
4		1,2,4,8-Tetramethylbicyclo[6.3.0]...	204	C15H24	137235-51-9	70
5		Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	64



Data Path : Z:\HPCHEM1\BNA F\DATA\BF083017\
Data File : BF098177.D
Acq On : 31 Aug 2017 1:14
Operator : SJ/JU
Sample : I5023-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-01-082917-A

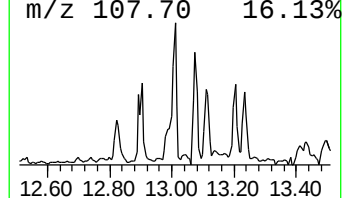
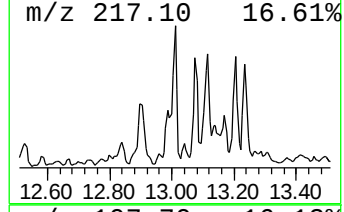
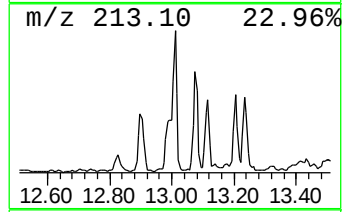
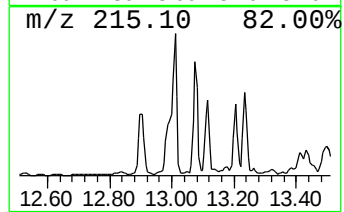
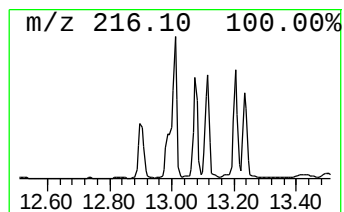
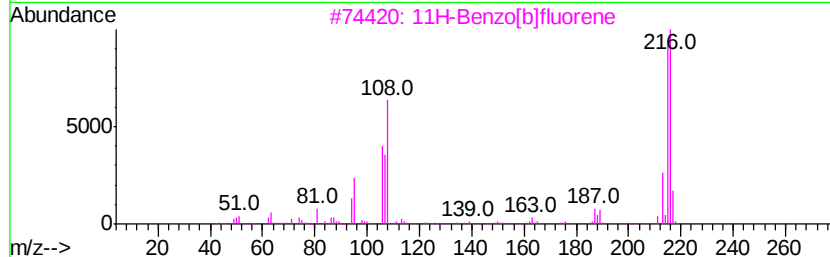
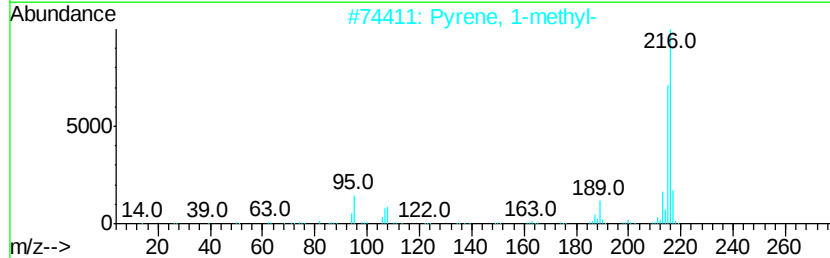
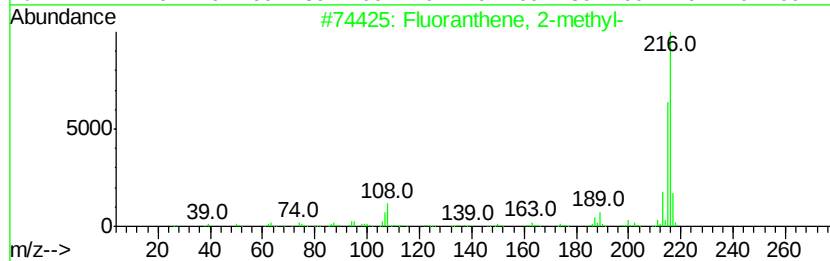
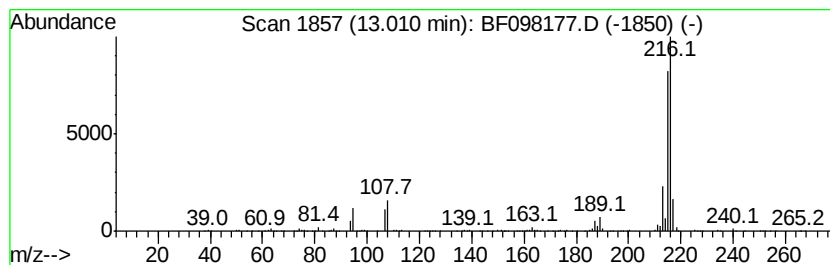
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Fluoranthene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.01	8.82 ng	1056530	Chrysene-d12	13.88

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	94
2			Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
3			11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
4			11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
5			Pyrene, 4-methyl-	216	C17H12	003353-12-6	60



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF083017\
Data File : BF098177.D
Acq On : 31 Aug 2017 1:14
Operator : SJ/JU
Sample : I5023-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-01-082917-A

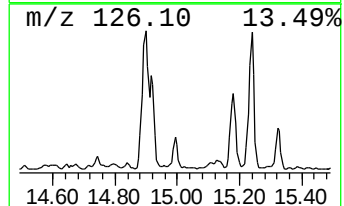
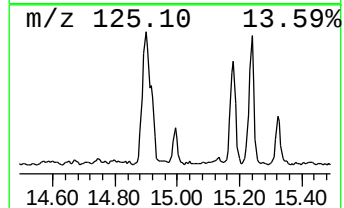
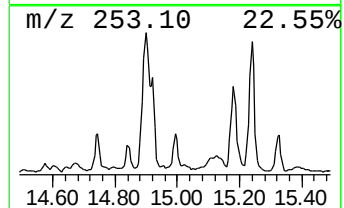
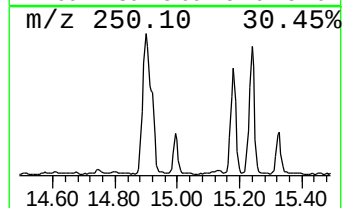
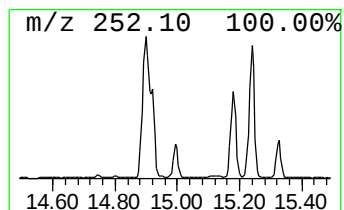
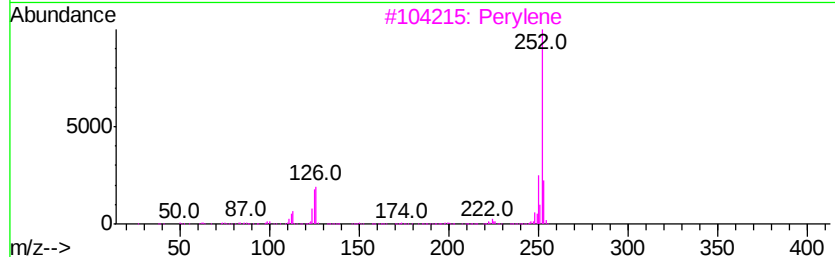
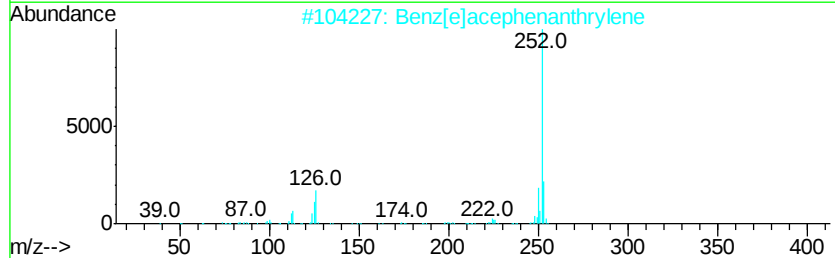
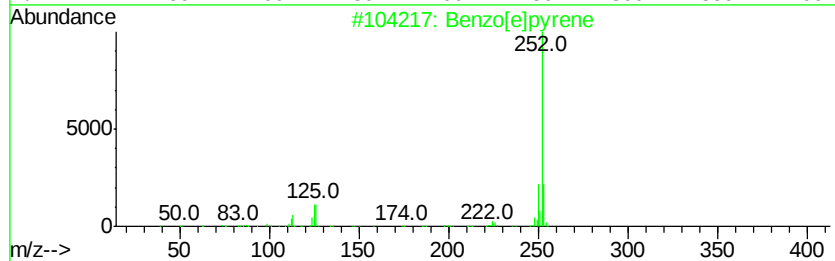
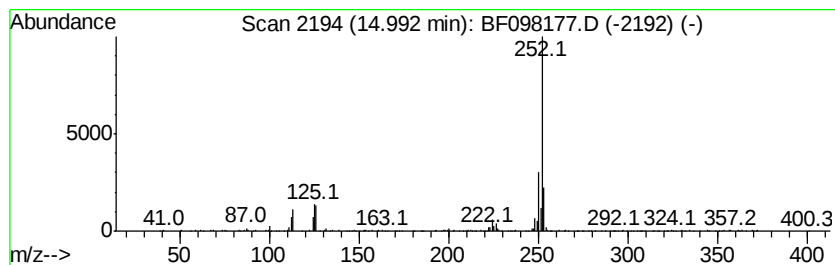
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Benzo[e]pyrene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.99	7.64 ng	186512	Perylene-d12	15.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2		Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	95
3		Perylene	252	C20H12	000198-55-0	93
4		Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
5		Benzo[a]pyrene	252	C20H12	000050-32-8	91



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF083017\
Data File : BF098177.D
Acq On : 31 Aug 2017 1:14
Operator : SJ/JU
Sample : I5023-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

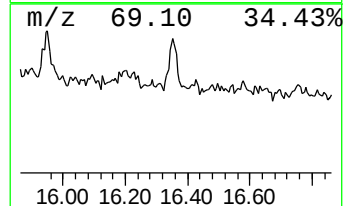
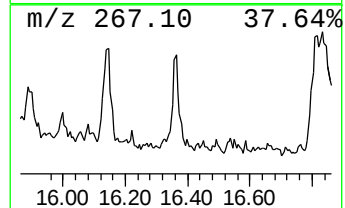
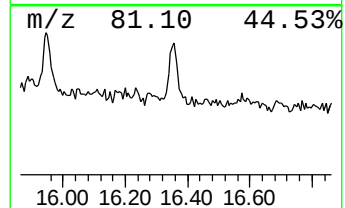
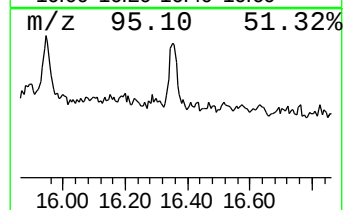
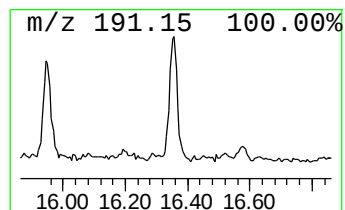
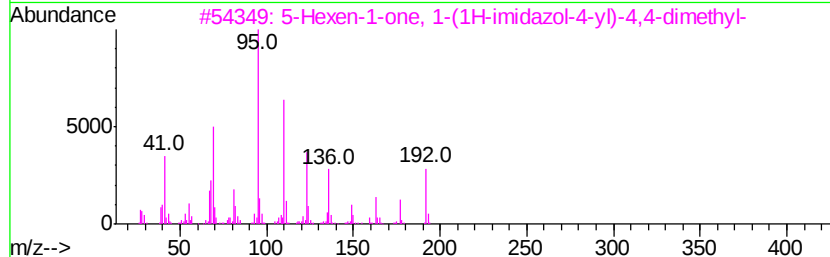
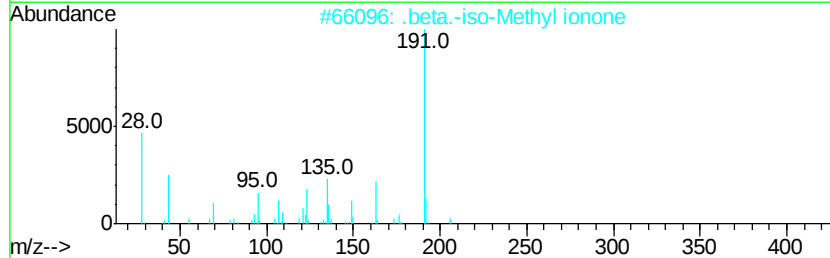
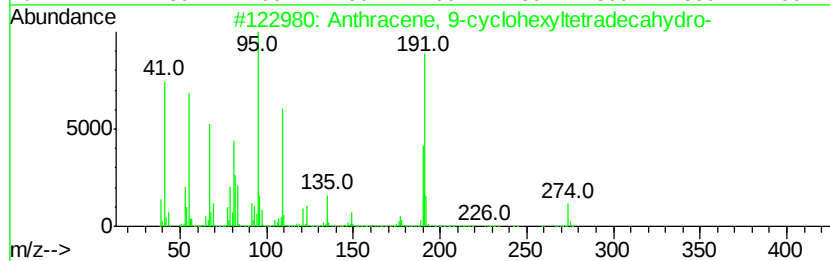
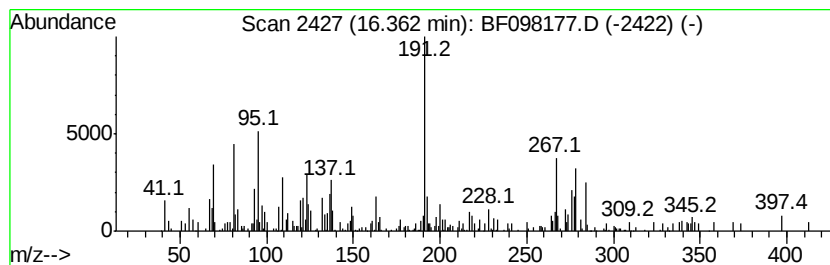
Instrument :
BNA_F
ClientSampleId :
PL-01-082917-A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Anthracene, 9-cyclohexyltet... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.		
16.36	12.52 ng	305582	Perylene-d12	15.30		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Anthracene, 9-cyclohexyltetradec...	274	C20H34	055255-70-4	52
2		.beta.-iso-Methyl ionone	206	C14H22O	1000285-40-2	30
3		5-Hexen-1-one, 1-(1H-imidazol-4-...	192	C11H16N2O	069393-41-5	25
4		5-(p-Aminophenyl)-2-thiazolamine	191	C9H9N3S	090349-87-4	25
5		Pyrido[3,2-d]pyrimidine-2,4(1H,3...	191	C9H9N3O2	024410-25-1	22



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF083017\
 Data File : BF098177.D
 Acq On : 31 Aug 2017 1:14
 Operator : SJ/JU
 Sample : I5023-01 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-082917-A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.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
unknown6.49	6.49	40.8	ng	1524620	1	6.72	748058	20.0
Naphthalene, 2,3-...	9.42	5.8	ng	249713	3	9.76	861899	20.0
Naphthalene, 1,2,...	10.67	6.3	ng	227985	4	11.24	720565	20.0
9H-Fluorene, 2-me...	10.85	6.1	ng	218960	4	11.24	720565	20.0
Dibenzothiophene	11.14	6.0	ng	217342	4	11.24	720565	20.0
Anthracene, 2-met...	11.74	12.8	ng	460047	4	11.24	720565	20.0
Phenanthrene, 2-m...	11.82	8.3	ng	300811	4	11.24	720565	20.0
4H-Cyclopenta[def...	11.86	27.9	ng	1005730	4	11.24	720565	20.0
Naphthalene, 2-ph...	12.04	10.1	ng	362598	4	11.24	720565	20.0
9,10-Anthracenedione	12.06	5.8	ng	210110	4	11.24	720565	20.0
Phenanthrene, 2,5...	12.29	17.6	ng	632840	4	11.24	720565	20.0
unknown12.33	12.33	20.5	ng	738289	4	11.24	720565	20.0
9,10-Dimethylanth...	12.38	9.8	ng	354923	4	11.24	720565	20.0
Fluoranthene, 2-m...	13.01	8.8	ng	1056530	5	13.88	2395130	20.0
Benzo[e]pyrene	14.99	7.6	ng	186512	6	15.30	488151	20.0
Anthracene, 9-cyc...	16.36	12.5	ng	305582	6	15.30	488151	20.0