

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071917\
 Data File : BF096884.D
 Acq On : 19 Jul 2017 21:52
 Operator : SJ/JU
 Sample : I4280-07
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-071817-C

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-BF071317.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	4.751	465	470	479	rBV	166165	228521	11.11%	0.640%
2	5.192	540	545	548	rBV	1992815	1921111	93.43%	5.382%
3	6.239	718	723	734	rBV	1987736	2056236	100.00%	5.761%
4	6.357	739	743	746	rBV	2185576	1960600	95.35%	5.493%
5	6.587	778	782	786	rBV	776936	622489	30.27%	1.744%
6	6.745	804	809	812	rBV	1665522	1472330	71.60%	4.125%
7	7.151	873	878	881	rVV	1365228	1177734	57.28%	3.299%
8	7.869	996	1000	1002	rBV	1037321	916685	44.58%	2.568%
9	7.892	1002	1004	1007	rVV	415834	325665	15.84%	0.912%
10	7.951	1011	1014	1017	rVB2	85336	68437	3.33%	0.192%
11	8.175	1046	1052	1054	rBV4	49414	65485	3.18%	0.183%
12	8.316	1072	1076	1083	rBV2	164809	215980	10.50%	0.605%
13	8.480	1101	1104	1107	rVV2	123212	112971	5.49%	0.316%
14	8.533	1110	1113	1117	rVV4	56837	77000	3.74%	0.216%
15	8.581	1117	1121	1124	rVB	452421	391044	19.02%	1.096%
16	8.680	1133	1138	1143	rVV	379225	348615	16.95%	0.977%
17	8.910	1174	1177	1179	rVV	178440	143256	6.97%	0.401%
18	8.951	1179	1184	1187	rVB	1964034	1931909	93.95%	5.412%
19	9.045	1194	1200	1205	rBV	195735	237682	11.56%	0.666%
20	9.092	1205	1208	1211	rVV2	44492	60306	2.93%	0.169%
21	9.139	1214	1216	1223	rVB	61919	94667	4.60%	0.265%
22	9.210	1223	1228	1231	rBV	179328	252987	12.30%	0.709%
23	9.280	1236	1240	1242	rBV	283820	268971	13.08%	0.754%
24	9.304	1242	1244	1247	rVB	155522	138358	6.73%	0.388%
25	9.345	1247	1251	1253	rBV	283410	267345	13.00%	0.749%
26	9.363	1253	1254	1256	rVB	151265	89561	4.36%	0.251%
27	9.398	1256	1260	1261	rBV	108354	93769	4.56%	0.263%
28	9.475	1270	1273	1277	rBV	282881	283228	13.77%	0.793%
29	9.569	1287	1289	1292	rVV	126692	115211	5.60%	0.323%
30	9.616	1292	1297	1300	rVV	836401	850490	41.36%	2.383%
31	9.651	1300	1303	1307	rVV	250163	245428	11.94%	0.688%
32	9.727	1312	1316	1321	rVB3	76000	99456	4.84%	0.279%
33	9.822	1326	1332	1336	rVV	228636	290035	14.11%	0.813%
34	9.863	1336	1339	1342	rVV	139666	113339	5.51%	0.318%

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071917\
 Data File : BF096884.D
 Acq On : 19 Jul 2017 21:52
 Operator : SJ/JU
 Sample : I4280-07
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-071817-C

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-BF071317.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	9.892	1342	1344	1347	rVB2	87493	71526	3.48%	0.200%
36	9.933	1347	1351	1354	rBV2	122722	153962	7.49%	0.431%
37	9.963	1354	1356	1359	rVV	79711	65927	3.21%	0.185%
38	10.027	1362	1367	1368	rBV2	72401	94243	4.58%	0.264%
39	10.069	1372	1374	1377	rVV	199475	143334	6.97%	0.402%
40	10.122	1377	1383	1384	rVV3	55531	87541	4.26%	0.245%
41	10.163	1387	1390	1393	rVV	449858	406565	19.77%	1.139%
42	10.227	1396	1401	1403	rVV	84804	97165	4.73%	0.272%
43	10.292	1406	1412	1414	rVV4	114095	178502	8.68%	0.500%
44	10.322	1414	1417	1419	rVV	79340	83408	4.06%	0.234%
45	10.404	1423	1431	1435	rBV	1116429	1074229	52.24%	3.010%
46	10.539	1449	1454	1456	rBV3	169761	215998	10.50%	0.605%
47	10.710	1478	1483	1485	rBV	126401	156287	7.60%	0.438%
48	10.733	1485	1487	1491	rVV	127819	123583	6.01%	0.346%
49	10.792	1494	1497	1500	rVB	97767	98455	4.79%	0.276%
50	10.857	1506	1508	1514	rVV4	58648	85302	4.15%	0.239%
51	10.986	1527	1530	1533	rVV	275358	255796	12.44%	0.717%
52	11.016	1533	1535	1538	rVB	86863	76373	3.71%	0.214%
53	11.092	1544	1548	1550	rBV	639746	632161	30.74%	1.771%
54	11.121	1550	1553	1556	rVB	1532385	1278983	62.20%	3.583%
55	11.169	1556	1561	1564	rVB	465920	393529	19.14%	1.102%
56	11.210	1564	1568	1571	rBV	86236	108399	5.27%	0.304%
57	11.327	1585	1588	1591	rVV	89830	87894	4.27%	0.246%
58	11.421	1600	1604	1608	rVB2	138883	195543	9.51%	0.548%
59	11.510	1615	1619	1622	rVB	107824	116933	5.69%	0.328%
60	11.598	1630	1634	1636	rBV	382064	351225	17.08%	0.984%
61	11.621	1636	1638	1644	rVB	442353	390578	18.99%	1.094%
62	11.669	1644	1646	1649	rBV	165393	139653	6.79%	0.391%
63	11.704	1649	1652	1655	rVV	566488	610793	29.70%	1.711%
64	11.727	1655	1656	1662	rVB	323523	230587	11.21%	0.646%
65	11.798	1662	1668	1669	rBV5	47363	80392	3.91%	0.225%
66	11.821	1669	1672	1676	rVB3	97736	129314	6.29%	0.362%
67	11.892	1681	1684	1686	rVV2	141088	129275	6.29%	0.362%
68	11.916	1686	1688	1692	rVB3	75618	85837	4.17%	0.240%
69	12.069	1712	1714	1717	rBV	102266	111577	5.43%	0.313%
70	12.098	1717	1719	1721	rVB2	100105	80918	3.94%	0.227%
71	12.145	1723	1727	1730	rBV	310425	335829	16.33%	0.941%

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071917\
 Data File : BF096884.D
 Acq On : 19 Jul 2017 21:52
 Operator : SJ/JU
 Sample : I4280-07
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-071817-C

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-BF071317.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	12.180	1730	1733	1735	rVV2	156917	168228	8.18%	0.471%
73	12.204	1735	1737	1739	rVB2	159101	119396	5.81%	0.334%
74	12.239	1739	1743	1746	rBV2	91585	126924	6.17%	0.356%
75	12.304	1750	1754	1758	rBV	1131377	972605	47.30%	2.725%
76	12.351	1759	1762	1767	rBV4	92792	140629	6.84%	0.394%
77	12.392	1767	1769	1773	rVB2	72862	71678	3.49%	0.201%
78	12.527	1787	1792	1795	rBV	1130813	1203339	58.52%	3.371%
79	12.574	1799	1800	1802	rVV	97725	78870	3.84%	0.221%
80	12.598	1802	1804	1807	rVB	107851	90950	4.42%	0.255%
81	12.651	1810	1813	1814	rBV	82096	70913	3.45%	0.199%
82	12.680	1814	1818	1825	rVB	1467652	1456228	70.82%	4.080%
83	12.751	1827	1830	1833	rBV	127894	136320	6.63%	0.382%
84	12.839	1842	1845	1846	rBV3	104892	108580	5.28%	0.304%
85	12.857	1846	1848	1852	rVB	304548	279237	13.58%	0.782%
86	12.927	1857	1860	1863	rVB2	298711	275886	13.42%	0.773%
87	12.963	1863	1866	1870	rBV	220820	233034	11.33%	0.653%
88	13.051	1878	1881	1884	rBV	194068	162417	7.90%	0.455%
89	13.086	1884	1887	1891	rVV	165234	157454	7.66%	0.441%
90	13.121	1891	1893	1897	rVB4	67161	66225	3.22%	0.186%
91	13.274	1916	1919	1922	rBV2	125921	126600	6.16%	0.355%
92	13.474	1949	1953	1956	rBV2	116042	197596	9.61%	0.554%
93	13.721	1990	1995	1998	rBV2	767297	1101028	53.55%	3.085%
94	13.751	1998	2000	2003	rVB	418431	330115	16.05%	0.925%
95	13.915	2026	2028	2031	rVB	141365	119677	5.82%	0.335%
96	14.515	2128	2130	2134	rVB2	172346	176781	8.60%	0.495%
97	14.727	2163	2166	2173	rVB	259032	475289	23.11%	1.332%
98	14.815	2179	2181	2187	rVB2	177730	182704	8.89%	0.512%
99	15.045	2217	2220	2225	rBV	250772	325813	15.85%	0.913%
100	15.104	2227	2230	2233	rVV	239104	245424	11.94%	0.688%

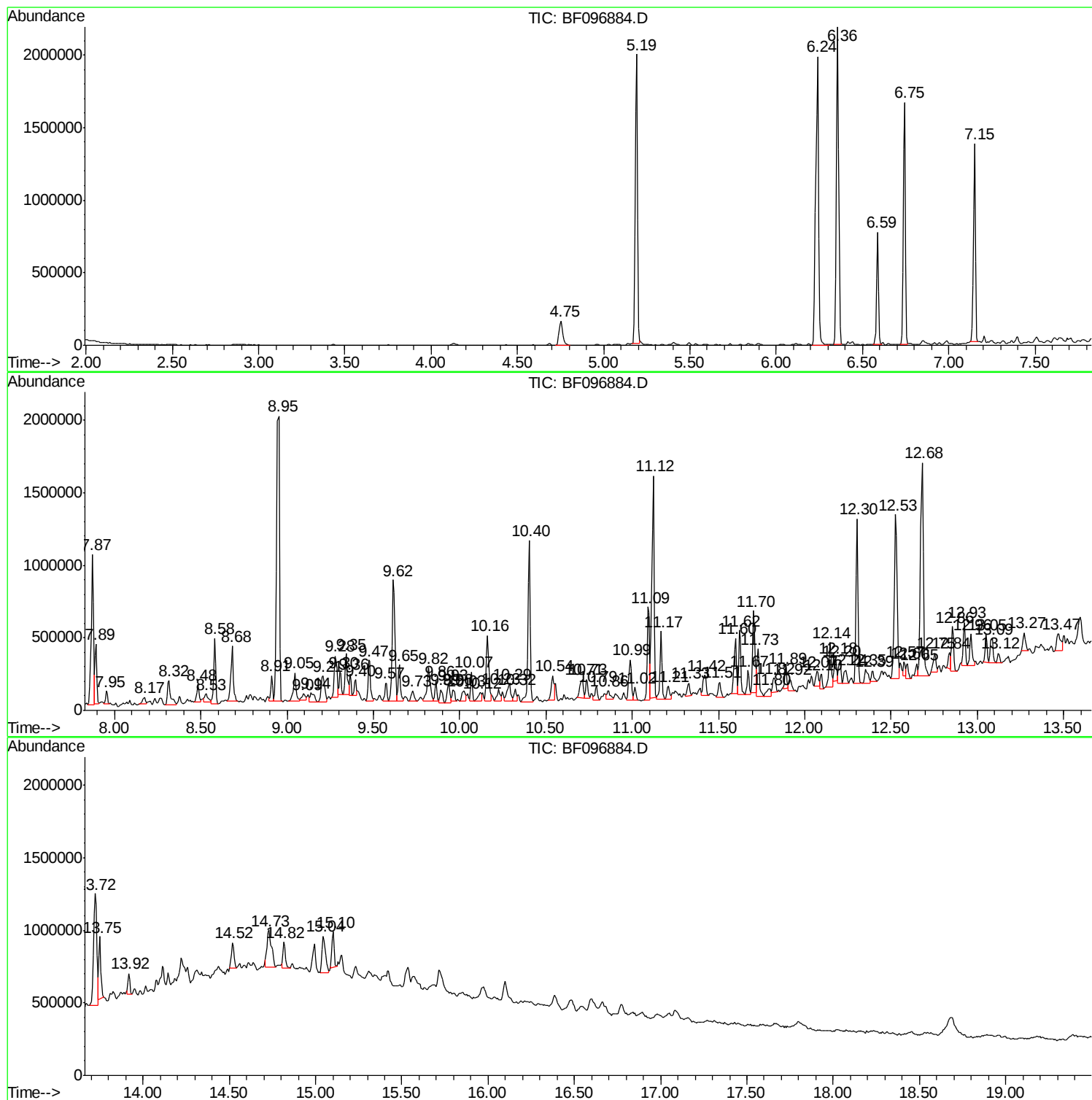
Sum of corrected areas: 35694457

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071917\
Data File : BF096884.D
Acq On : 19 Jul 2017 21:52
Operator : SJ/JU
Sample : I4280-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CL-01-071817-C

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF071317.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\BF071917\
Data File : BF096884.D
Acq On : 19 Jul 2017 21:52
Operator : SJ/JU
Sample : I4280-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CL-01-071817-C

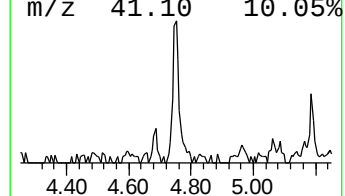
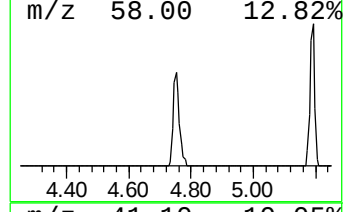
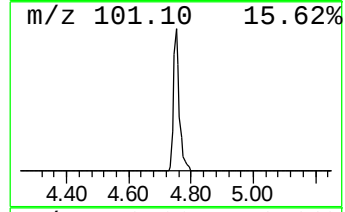
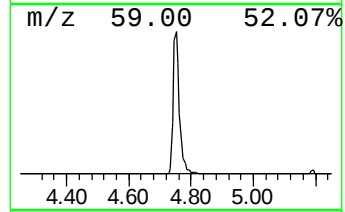
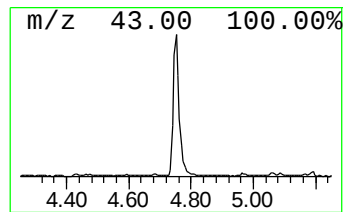
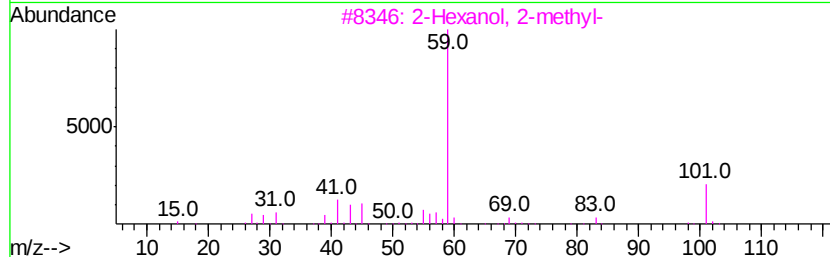
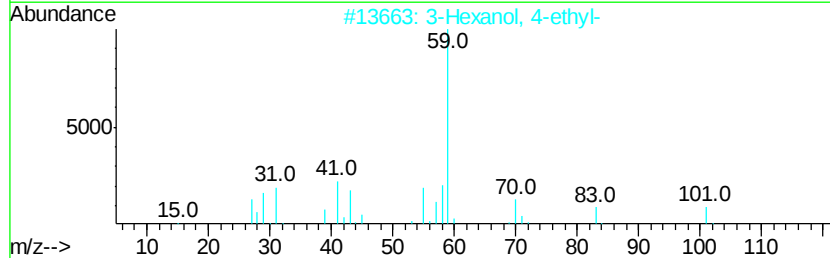
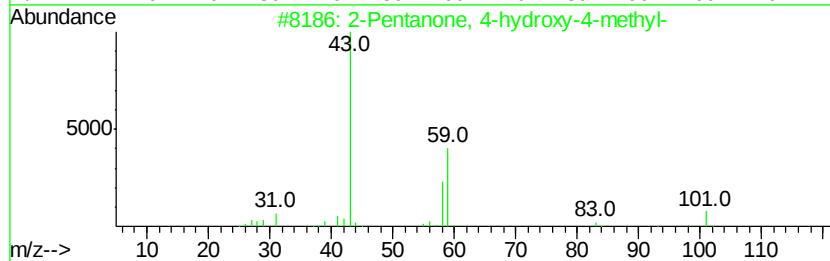
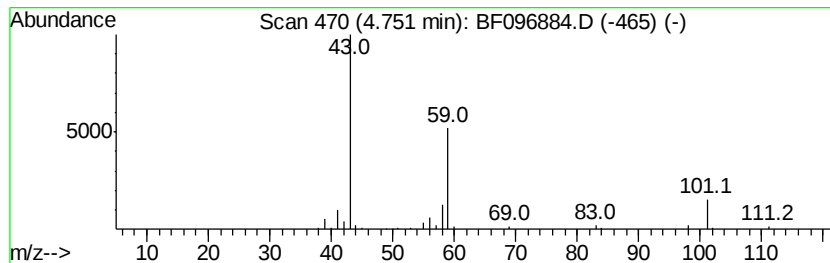
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.75	7.34 ng	228521	1,4-Dichlorobenzene-d4	6.59

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2		3-Hexanol, 4-ethyl-	130	C8H18O	019780-44-0	33
3		2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	28
4		Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	23
5		3-Hydroxy-3-methyl-2-butanone	102	C5H10O2	000115-22-0	23



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071917\
Data File : BF096884.D
Acq On : 19 Jul 2017 21:52
Operator : SJ/JU
Sample : I4280-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CL-01-071817-C

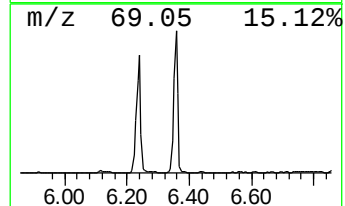
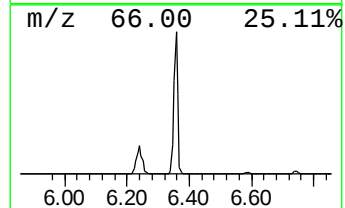
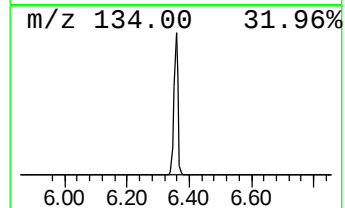
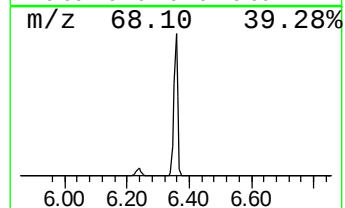
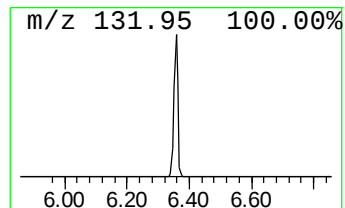
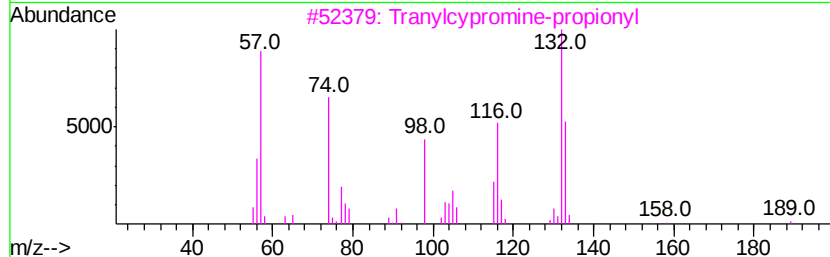
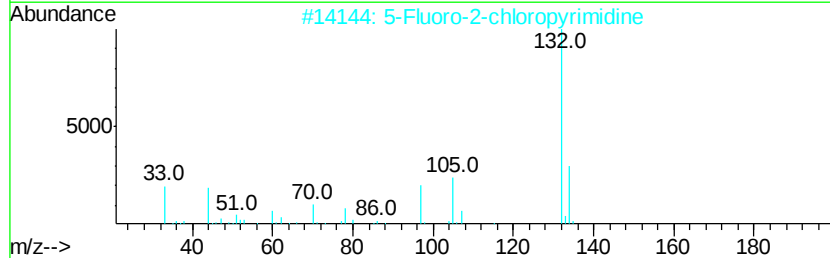
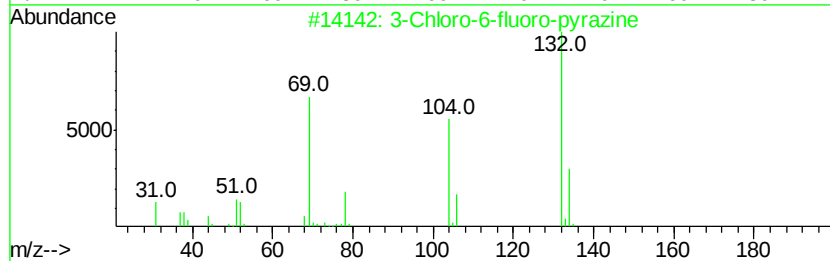
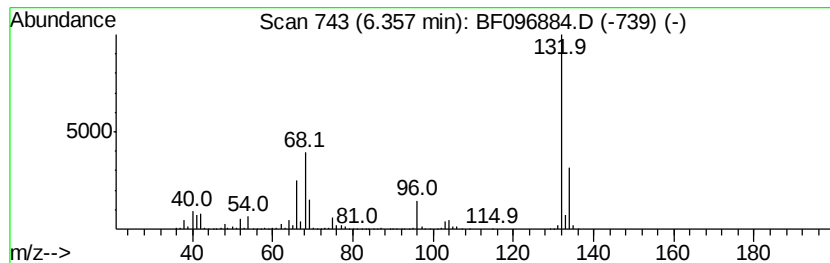
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 unknown6.36 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.36	62.99 ng	1960600	1,4-Dichlorobenzene-d4	6.59

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	16
3		Tranvlcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	10
5		5-Aminoindole	132	C8H8N2	005192-03-0	10



Data Path : Z:\HPCHEM1\BNA F\DATA\BF071917\
Data File : BF096884.D
Acq On : 19 Jul 2017 21:52
Operator : SJ/JU
Sample : I4280-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CL-01-071817-C

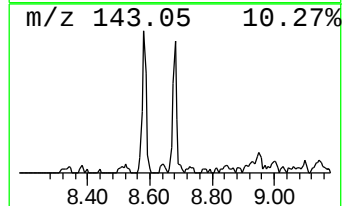
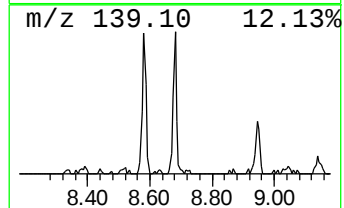
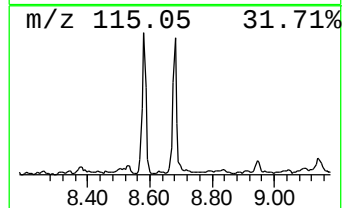
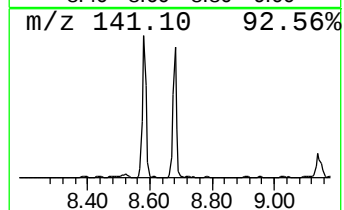
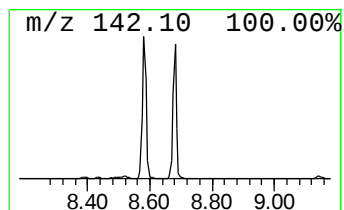
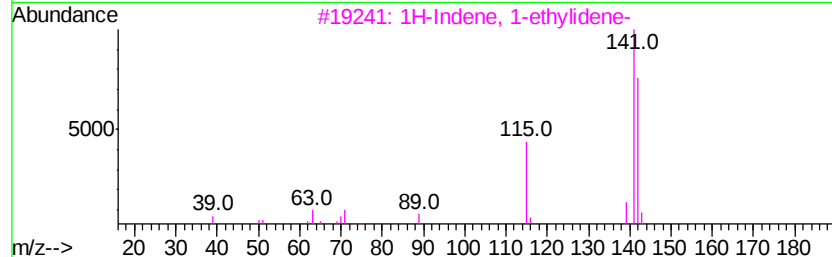
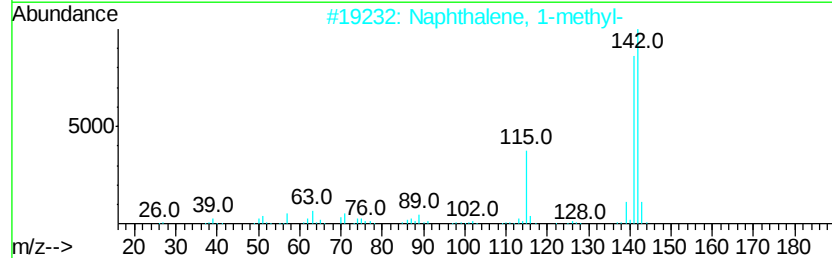
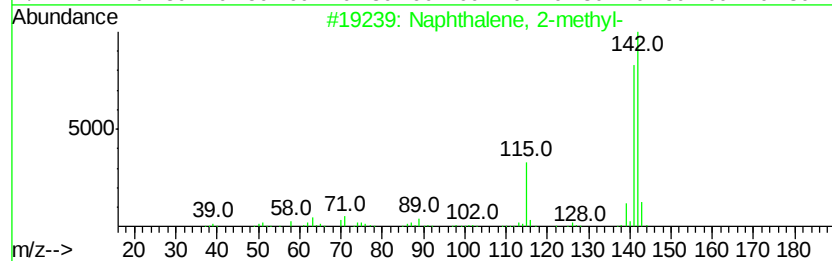
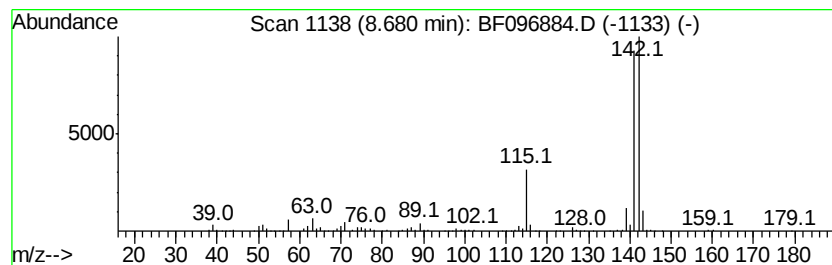
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF071317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Naphthalene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.68	7.61 ng	348615	Naphthalene-d8	7.87

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2		Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
3		1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	91
4		1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91
5		Benzocycloheptatriene	142	C11H10	000264-09-5	91



Data Path : Z:\HPCHEM1\BNA F\DATA\BF071917\
Data File : BF096884.D
Acq On : 19 Jul 2017 21:52
Operator : SJ/JU
Sample : I4280-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

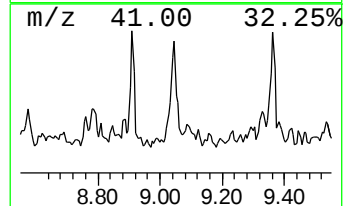
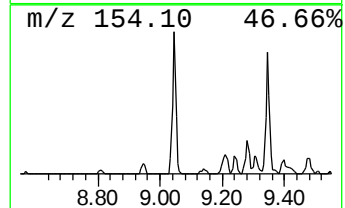
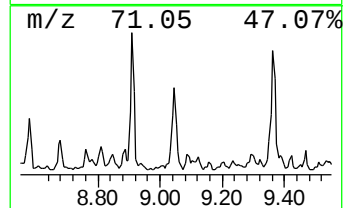
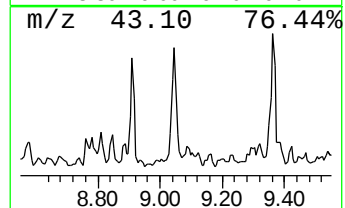
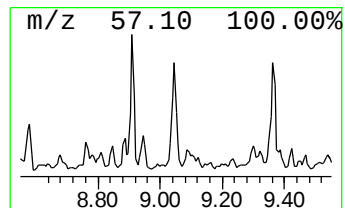
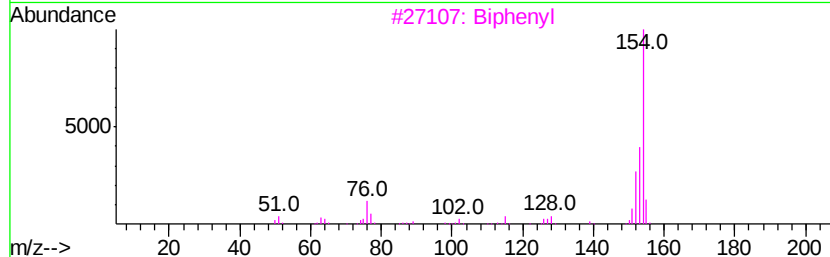
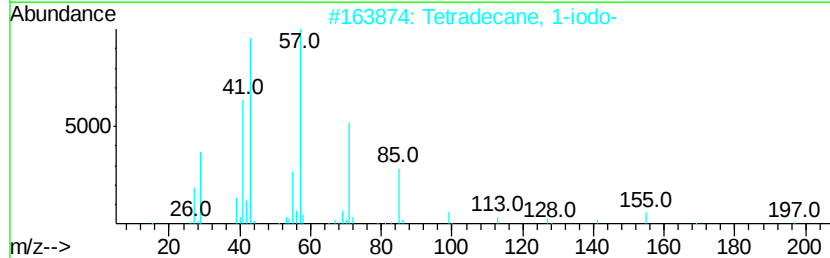
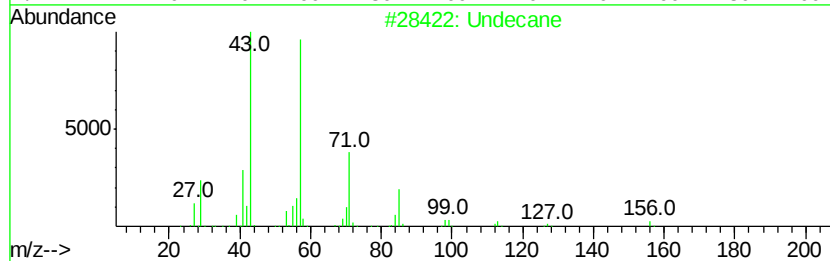
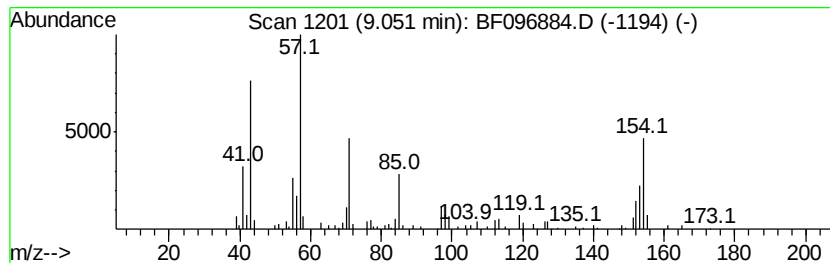
Instrument :
BNA_F
ClientSampleId :
CL-01-071817-C

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF071317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 unknown9.05 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.	
9.05	5.59 ng	237682	Acenaphthene-d10	9.62	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane	156	C11H24	001120-21-4	45
2	Tetradecane, 1-iodo-	324	C14H29I	019218-94-1	45
3	Biphenyl	154	C12H10	000092-52-4	42
4	Nonane, 4,5-dimethyl-	156	C11H24	017302-23-7	42
5	Dodecane	170	C12H26	000112-40-3	38



Data Path : Z:\HPCHEM1\BNA F\DATA\BF071917\
Data File : BF096884.D
Acq On : 19 Jul 2017 21:52
Operator : SJ/JU
Sample : I4280-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

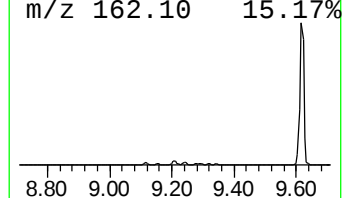
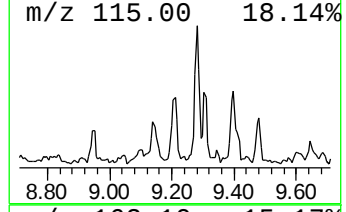
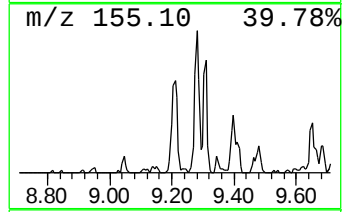
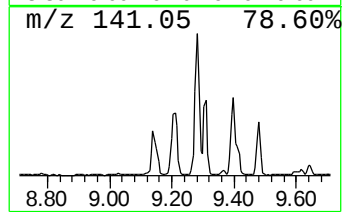
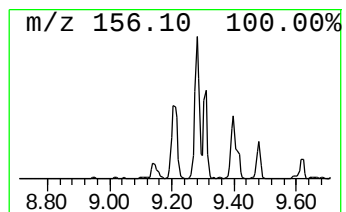
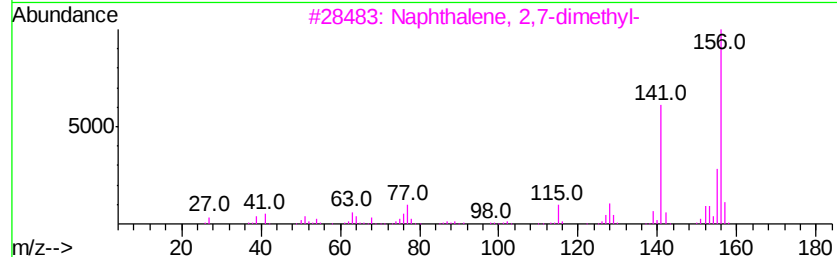
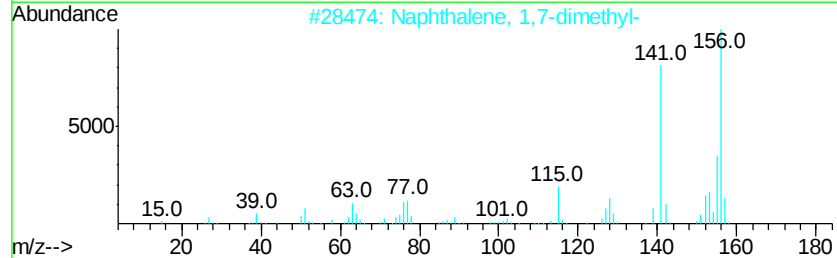
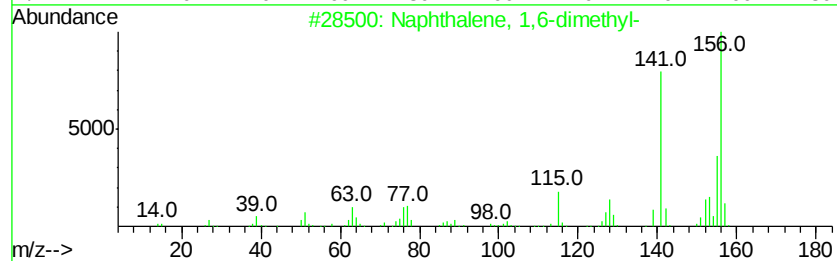
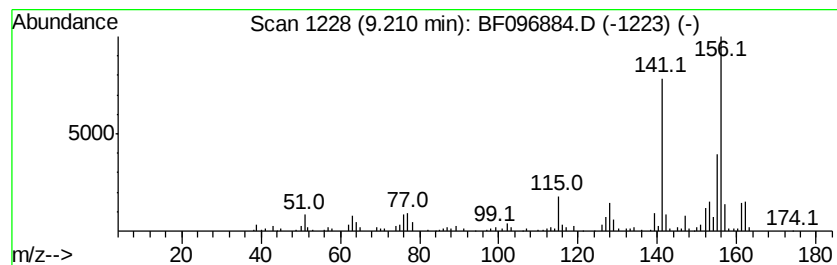
Instrument :
BNA_F
ClientSampleId :
CL-01-071817-C

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF071317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Naphthalene, 1,6-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD		R.T.
9.21	5.95 ng	252987	Acenaphthene-d10		9.62
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	98
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071917\
Data File : BF096884.D
Acq On : 19 Jul 2017 21:52
Operator : SJ/JU
Sample : I4280-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

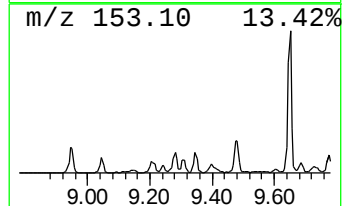
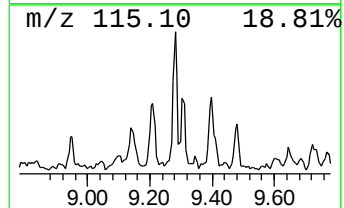
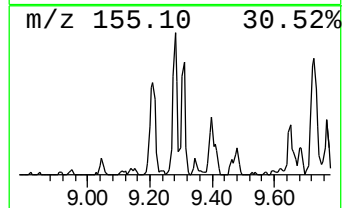
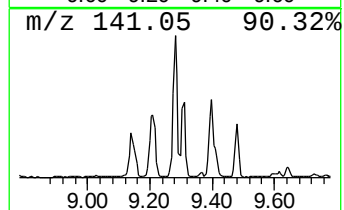
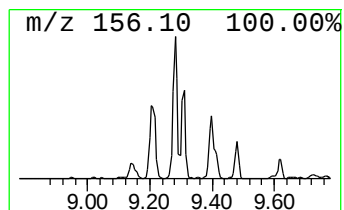
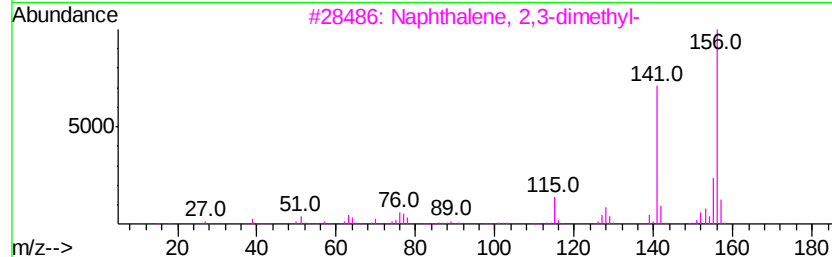
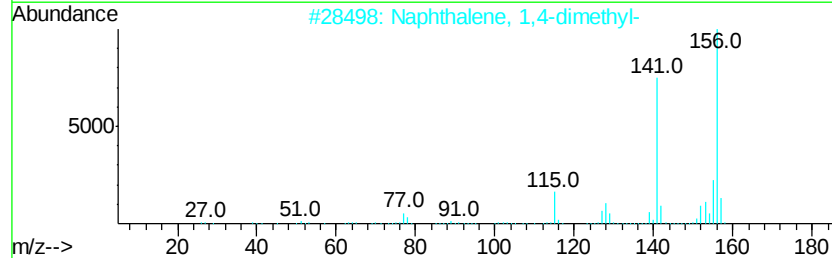
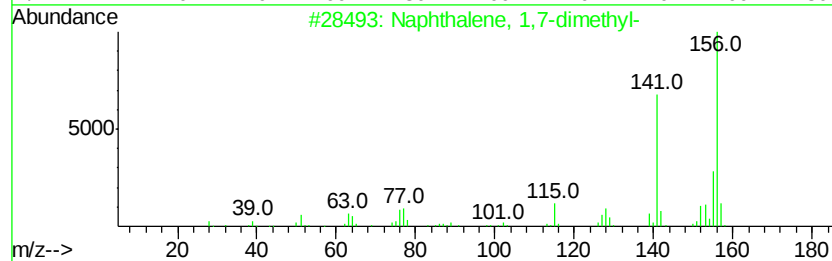
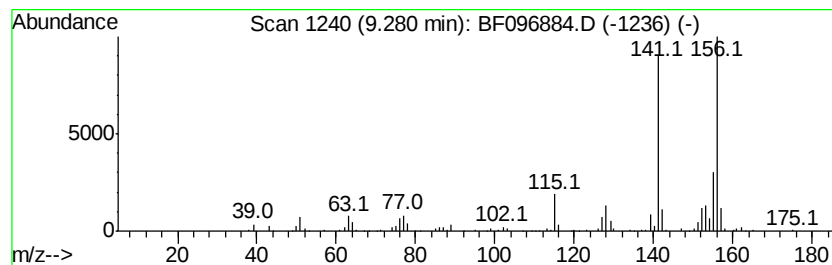
Instrument :
BNA_F
ClientSampleId :
CL-01-071817-C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Naphthalene, 1,7-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD		R.T.	
9.28	6.33 ng	268971	Acenaphthene-d10		9.62	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene,	1,7-dimethyl-	156	C12H12	000575-37-1	97
2	Naphthalene,	1,4-dimethyl-	156	C12H12	000571-58-4	97
3	Naphthalene,	2,3-dimethyl-	156	C12H12	000581-40-8	97
4	Naphthalene,	1,3-dimethyl-	156	C12H12	000575-41-7	96
5	Naphthalene,	1,6-dimethyl-	156	C12H12	000575-43-9	96



Data Path : Z:\HPCHEM1\BNA F\DATA\BF071917\
Data File : BF096884.D
Acq On : 19 Jul 2017 21:52
Operator : SJ/JU
Sample : I4280-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CL-01-071817-C

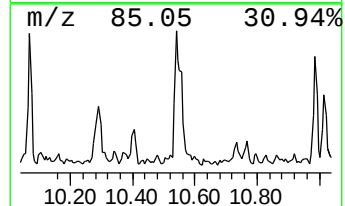
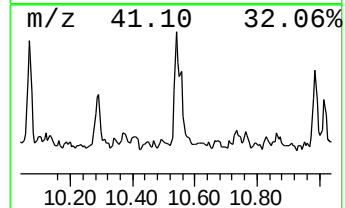
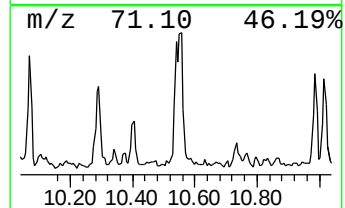
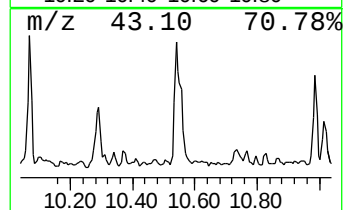
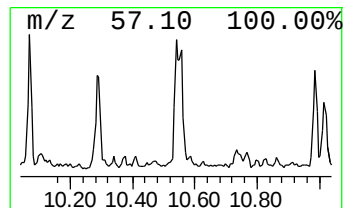
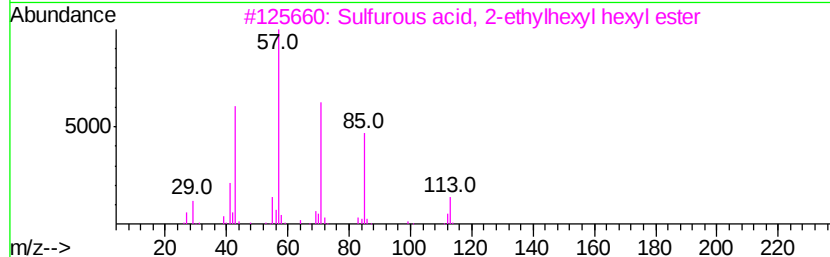
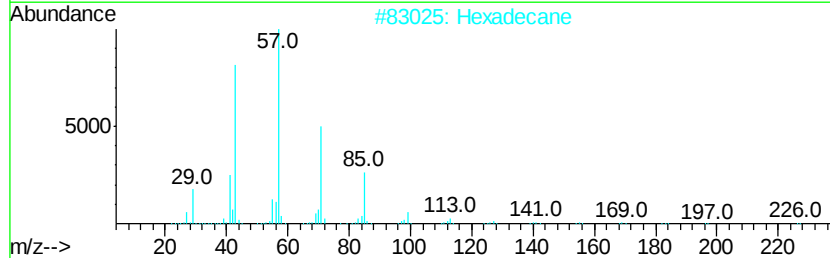
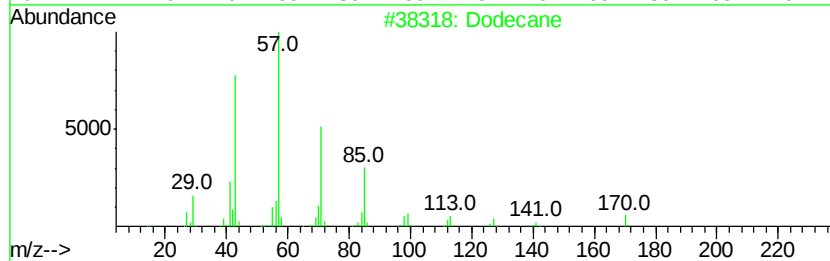
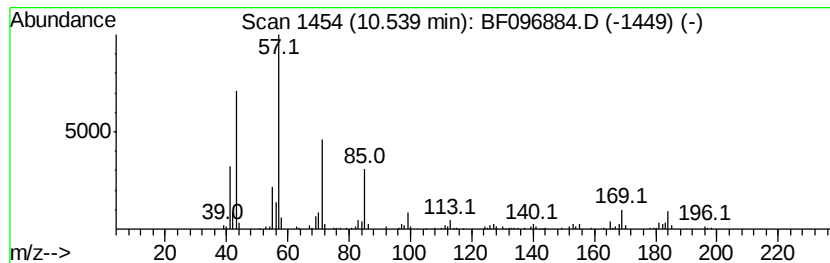
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF071317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Dodecane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.54	6.83 ng	215998	Phenanthrene-d10	11.09

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane		170	C12H26	000112-40-3	58
2	Hexadecane		226	C16H34	000544-76-3	58
3	Sulfurous acid, 2-ethylhexyl hex...		278	C14H30O3S	1000309-20-2	52
4	Sulfurous acid, butyl tetradecyl...		334	C18H38O3S	1000309-18-1	50
5	Pentadecane		212	C15H32	000629-62-9	50



Data Path : Z:\HPCHEM1\BNA F\DATA\BF071917\
Data File : BF096884.D
Acq On : 19 Jul 2017 21:52
Operator : SJ/JU
Sample : I4280-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

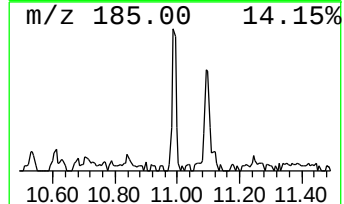
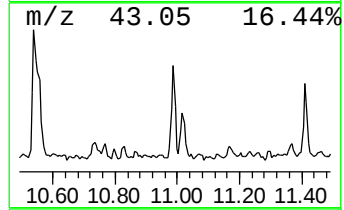
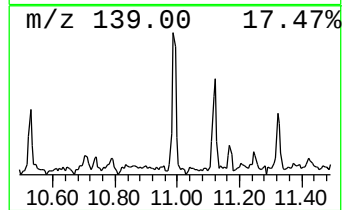
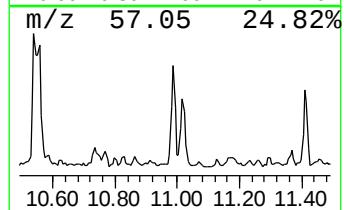
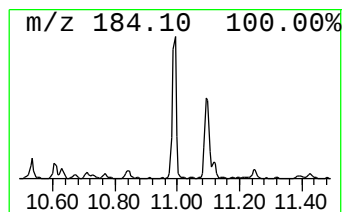
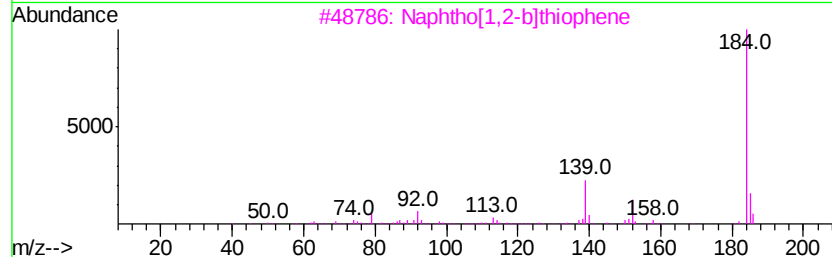
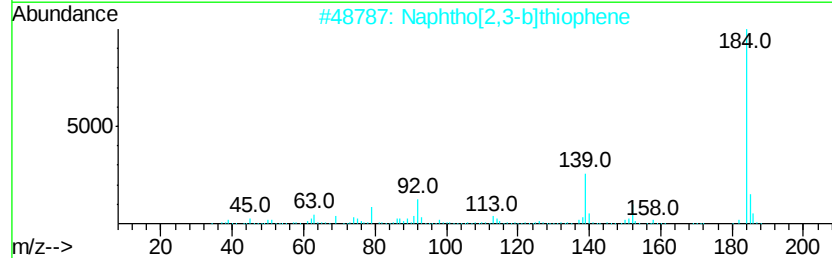
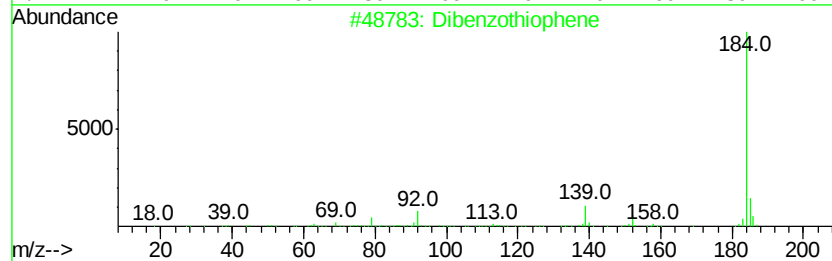
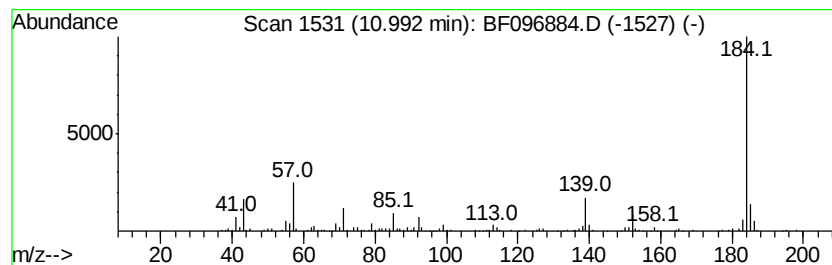
Instrument :
BNA_F
ClientSampleId :
CL-01-071817-C

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF071317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Dibenzothiophene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD		R.T.	
10.99	8.09 ng	255796	Phenanthrene-d10		11.09	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Dibenzothiophene	184	C12H8S	000132-65-0	95
2		Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	93
3		Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	90
4		Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	89
5		Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	81



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071917\
Data File : BF096884.D
Acq On : 19 Jul 2017 21:52
Operator : SJ/JU
Sample : I4280-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CL-01-071817-C

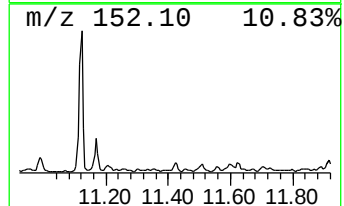
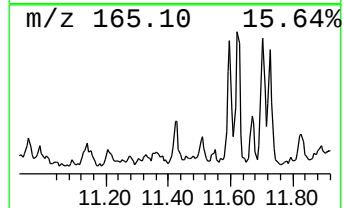
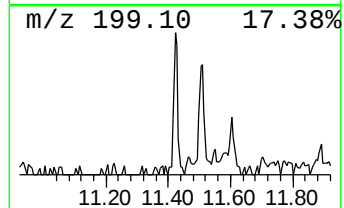
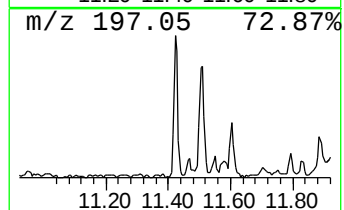
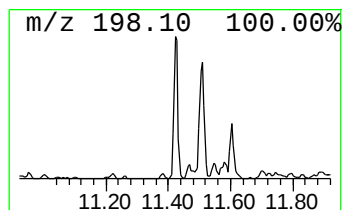
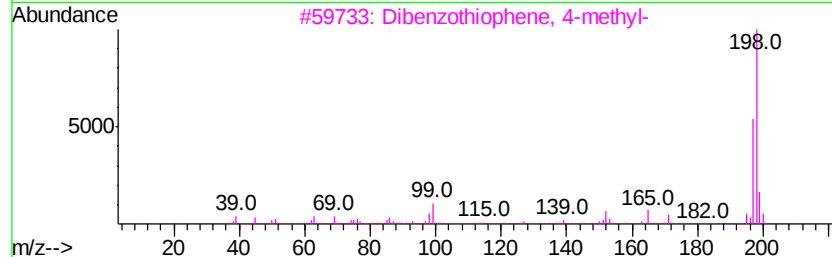
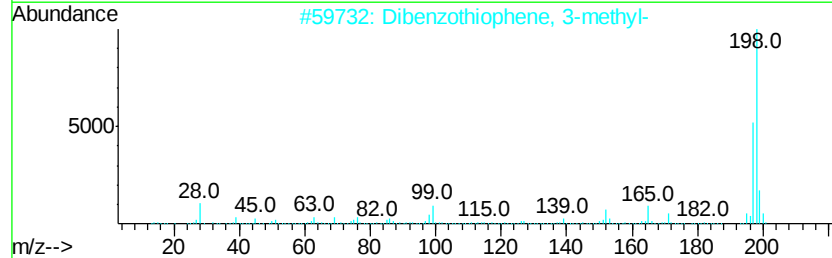
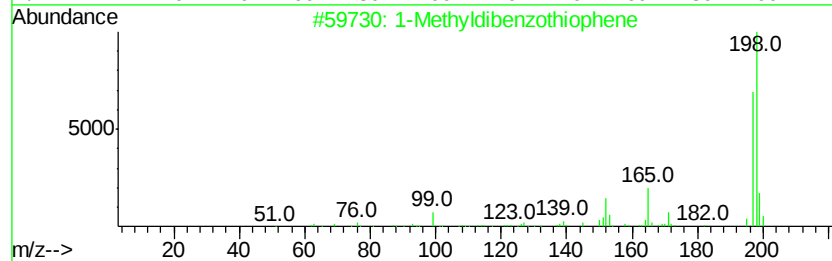
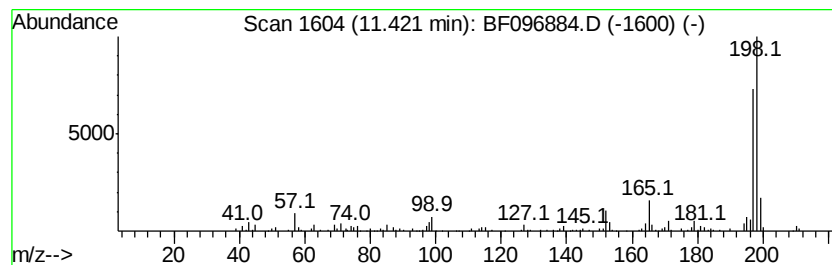
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 1-Methyldibenzothiophene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.42	6.19 ng	195543	Phenanthrene-d10	11.09

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Methyldibenzothiophene	198	C13H10S	031317-07-4	93
2			Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	91
3			Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	91
4			4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	86
5			Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	80



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071917\
Data File : BF096884.D
Acq On : 19 Jul 2017 21:52
Operator : SJ/JU
Sample : I4280-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

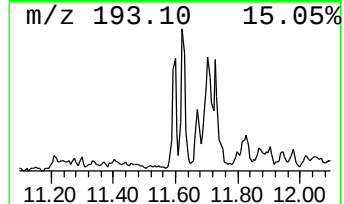
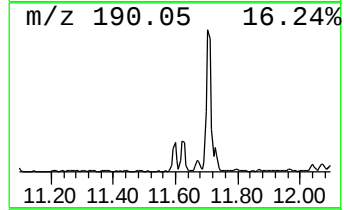
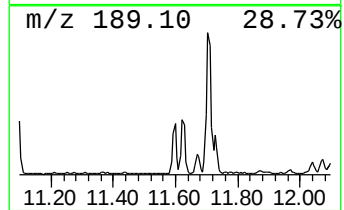
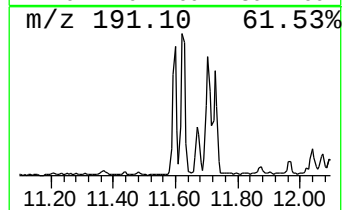
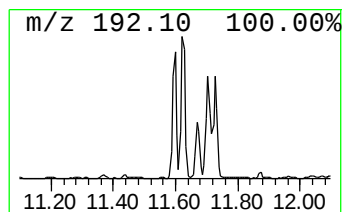
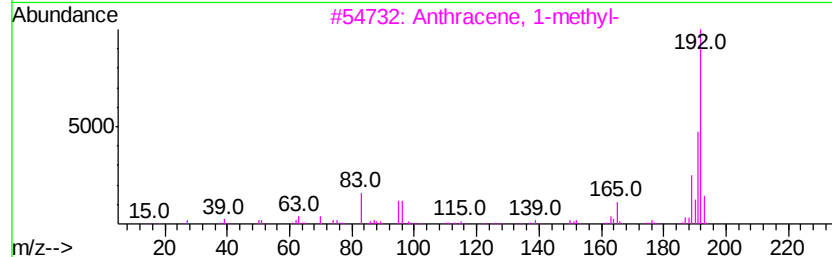
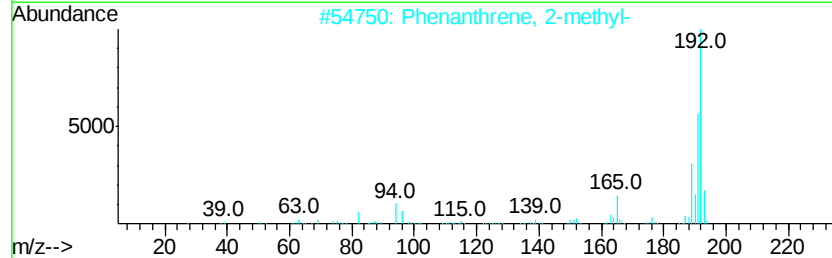
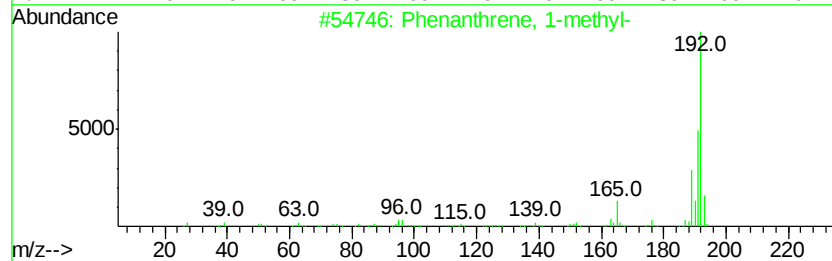
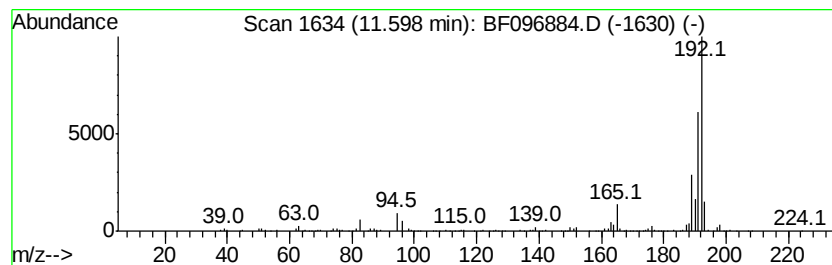
Instrument :
BNA_F
ClientSampleId :
CL-01-071817-C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Phenanthrene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.60	11.11 ng	351225	Phenanthrene-d10	11.09	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87



Data Path : Z:\HPCHEM1\BNA F\DATA\BF071917\
Data File : BF096884.D
Acq On : 19 Jul 2017 21:52
Operator : SJ/JU
Sample : I4280-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CL-01-071817-C

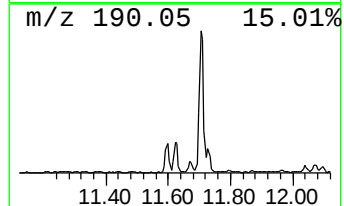
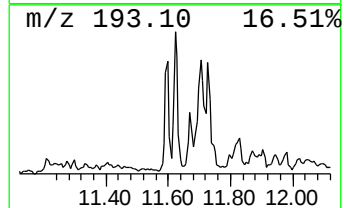
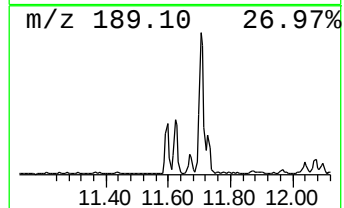
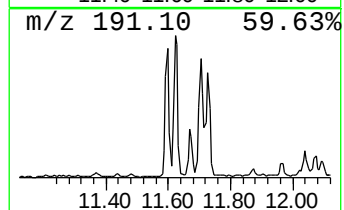
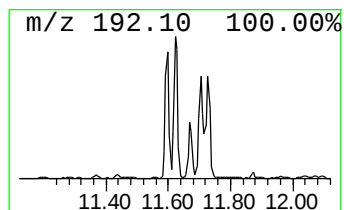
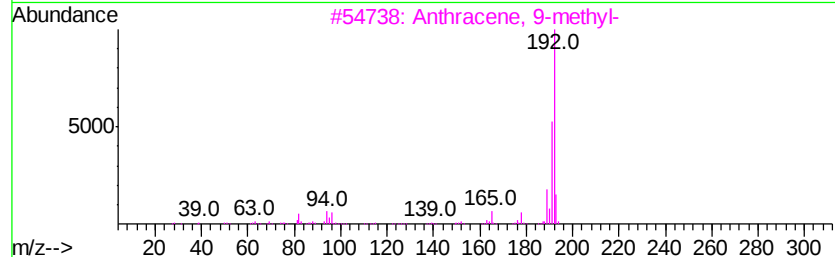
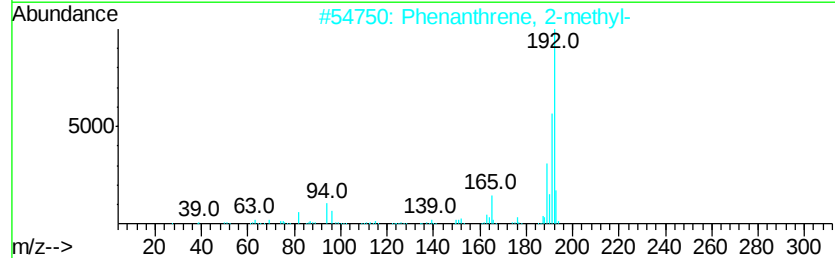
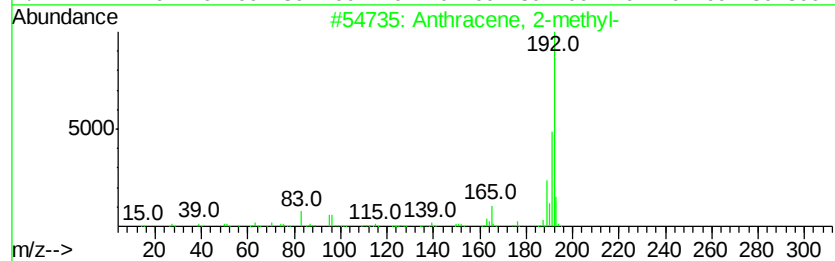
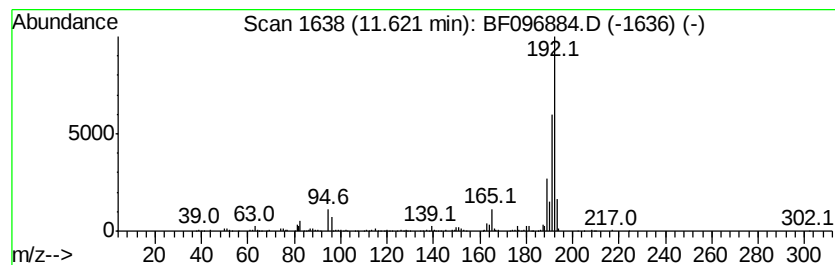
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF071317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Anthracene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.62	12.36 ng	390578	Phenanthrene-d10	11.09

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3		Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
4		Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
5		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071917\
Data File : BF096884.D
Acq On : 19 Jul 2017 21:52
Operator : SJ/JU
Sample : I4280-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CL-01-071817-C

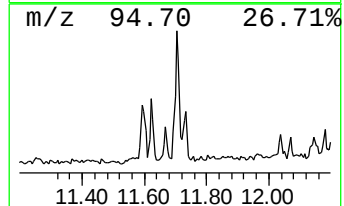
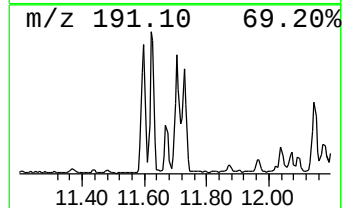
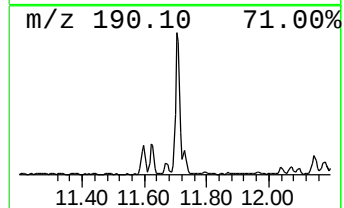
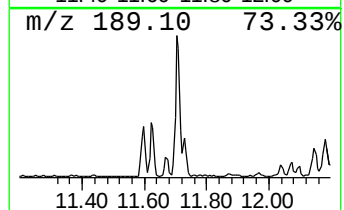
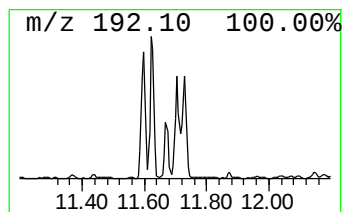
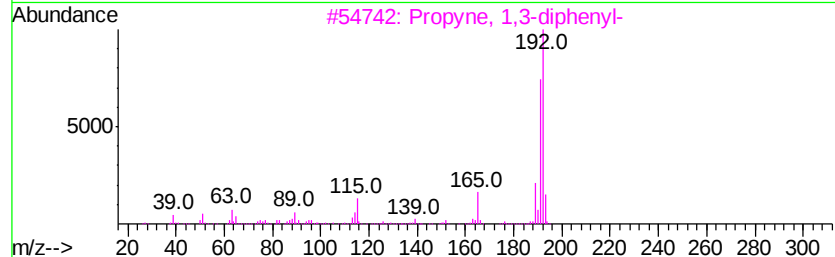
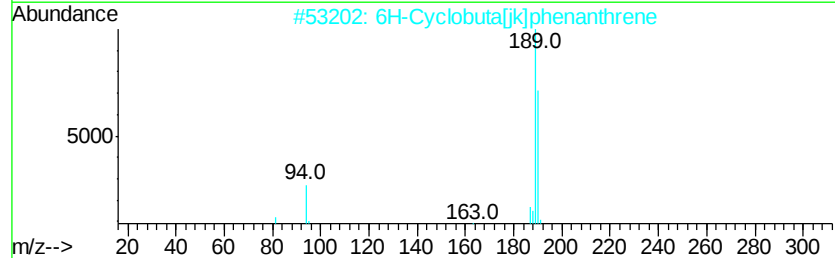
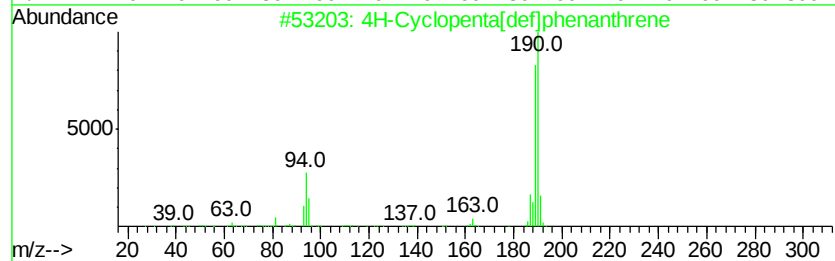
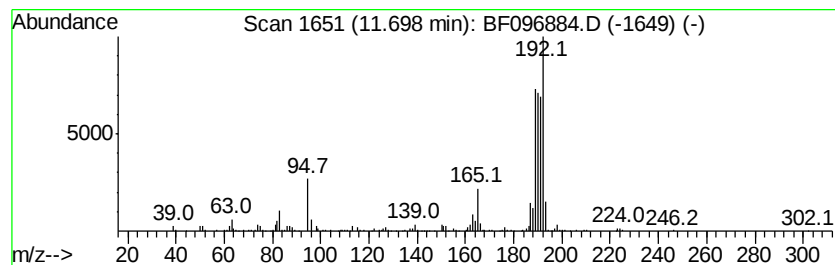
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.70	19.32 ng	610793	Phenanthrene-d10	11.09

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
2		6H-Cyclobuta[ik]phenanthrene	190	C15H10	083469-43-6	49
3		Propyne, 1,3-diphenyl-	192	C15H12	004980-70-5	42
4		Anthracene, 1-methyl-	192	C15H12	000610-48-0	42
5		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	42



Data Path : Z:\HPCHEM1\BNA F\DATA\BF071917\
Data File : BF096884.D
Acq On : 19 Jul 2017 21:52
Operator : SJ/JU
Sample : I4280-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CL-01-071817-C

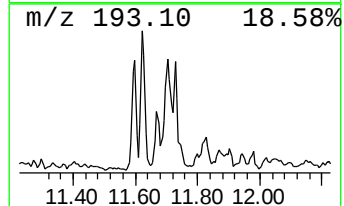
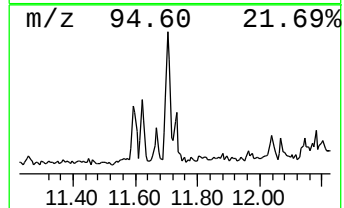
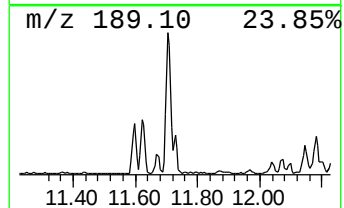
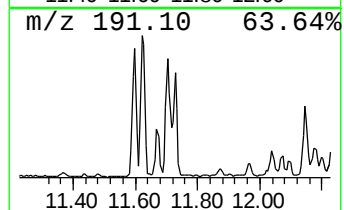
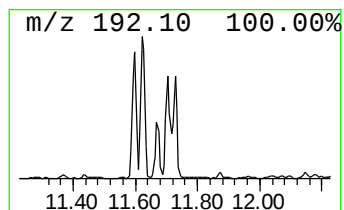
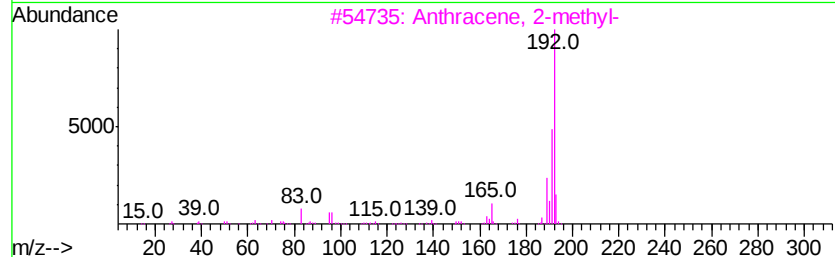
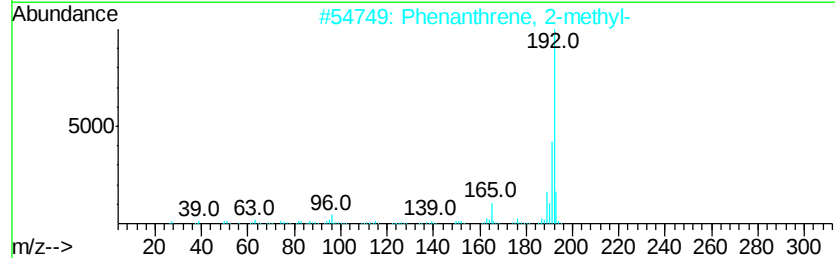
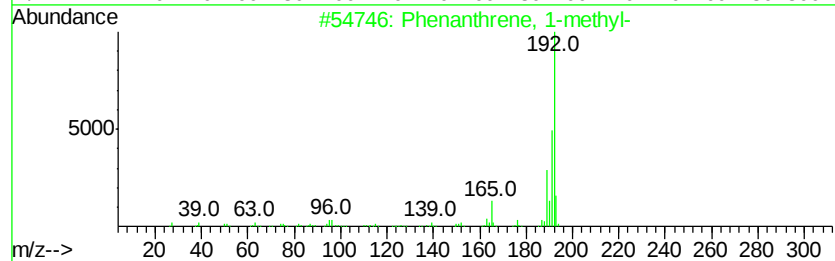
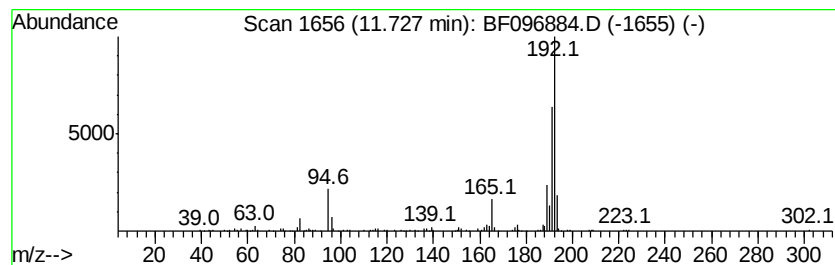
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF071317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Phenanthrene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.73	7.30 ng	230587	Phenanthrene-d10	11.09

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
2			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3			Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
4			Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	92
5			1H-Cyclopropa[1]phenanthrene, 1a, ...	192	C15H12	000949-41-7	90



Data Path : Z:\HPCHEM1\BNA F\DATA\BF071917\
Data File : BF096884.D
Acq On : 19 Jul 2017 21:52
Operator : SJ/JU
Sample : I4280-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

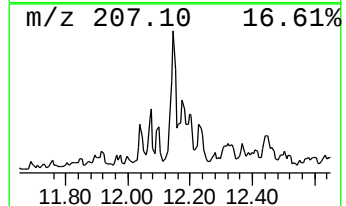
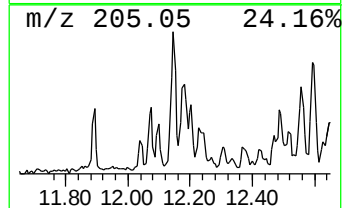
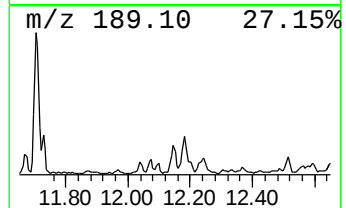
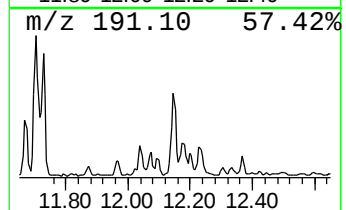
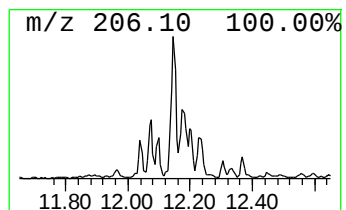
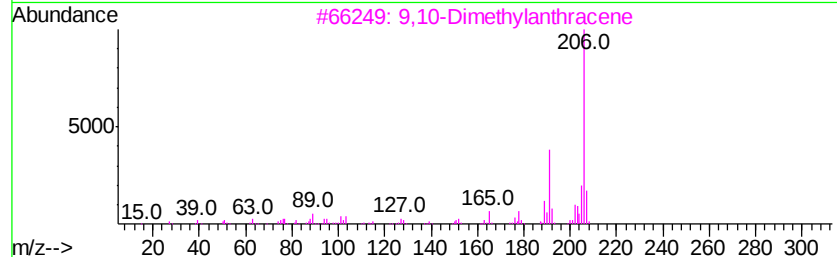
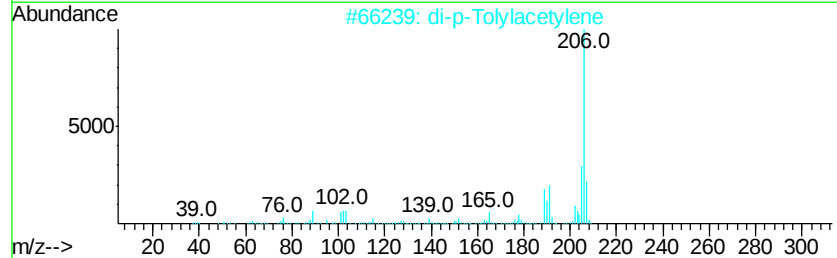
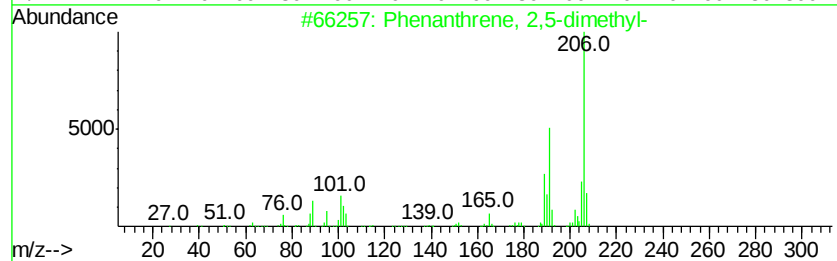
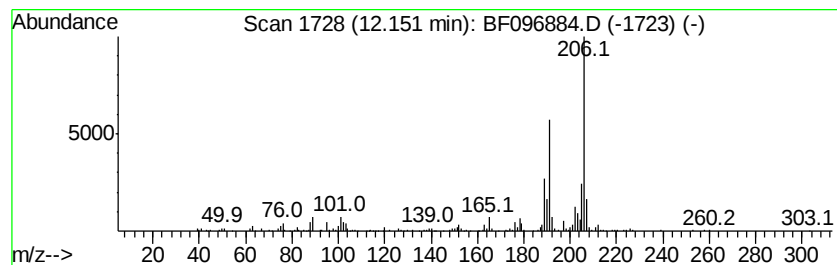
Instrument :
BNA_F
ClientSampleId :
CL-01-071817-C

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF071317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Phenanthrene, 2,5-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD		R.T.
12.15	10.62 ng	335829	Phenanthrene-d10		11.09
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	di-p-Tolylacetylvene	206	C16H14	002789-88-0	95
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	94
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071917\
Data File : BF096884.D
Acq On : 19 Jul 2017 21:52
Operator : SJ/JU
Sample : I4280-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CL-01-071817-C

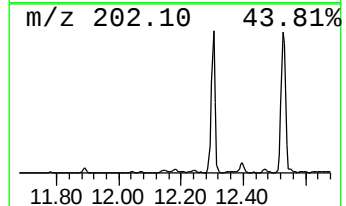
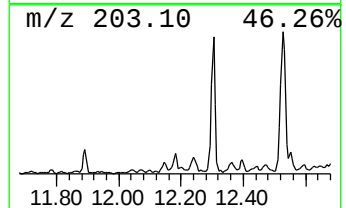
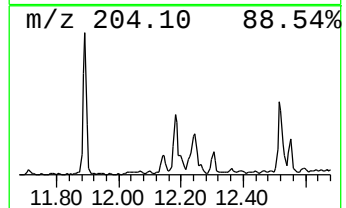
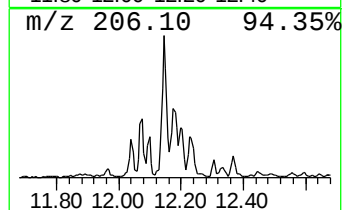
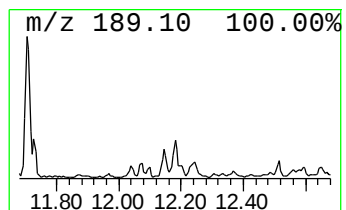
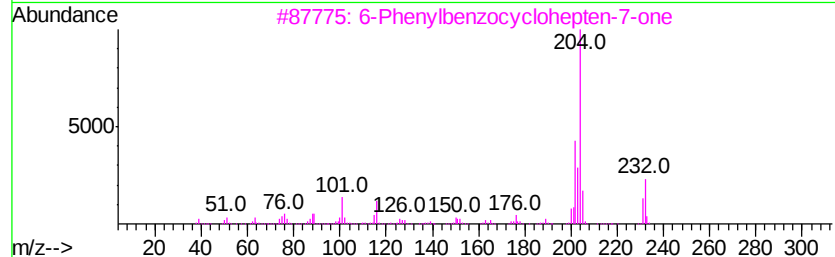
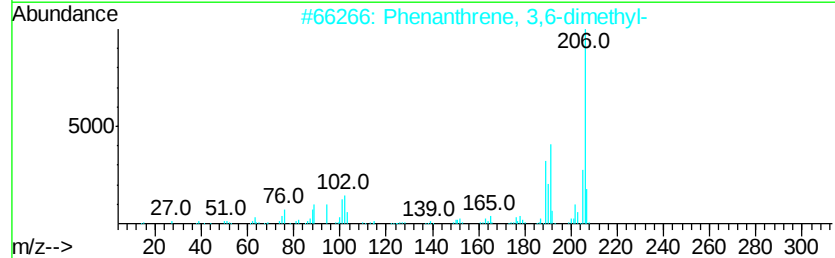
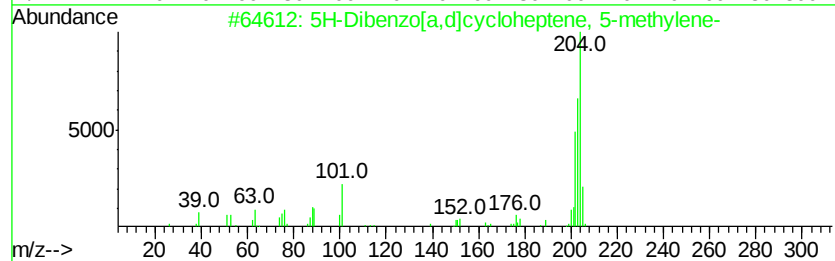
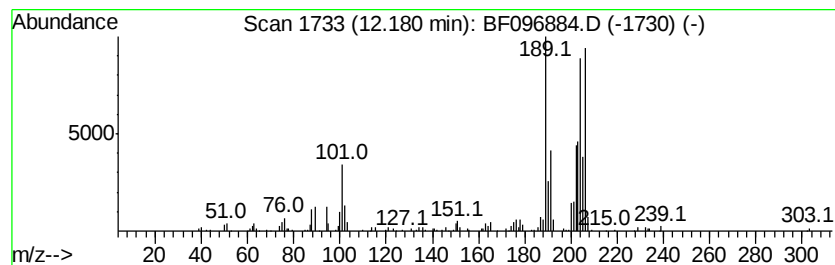
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 5H-Dibenzo[a,d]cycloheptene... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.18	5.32 ng	168228	Phenanthrene-d10	11.09

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	51
2		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	42
3		6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	38
4		9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	35
5		9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	35



Data Path : Z:\HPCHEM1\BNA F\DATA\BF071917\
Data File : BF096884.D
Acq On : 19 Jul 2017 21:52
Operator : SJ/JU
Sample : I4280-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampled :
CL-01-071817-C

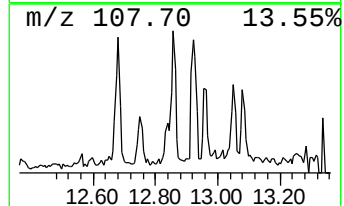
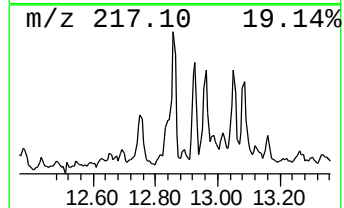
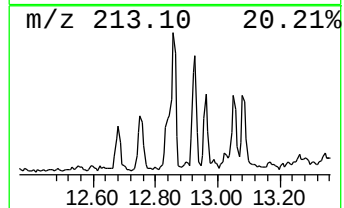
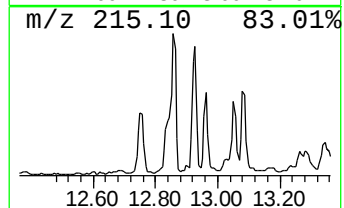
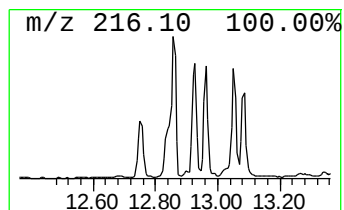
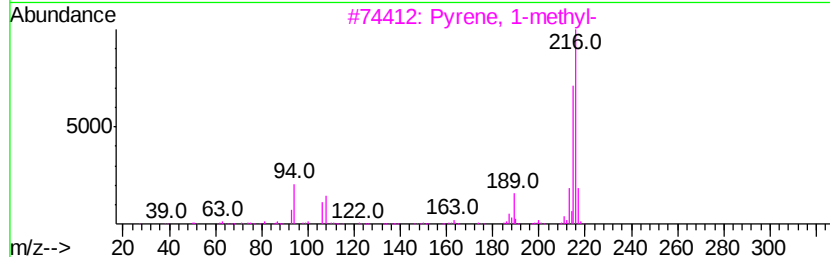
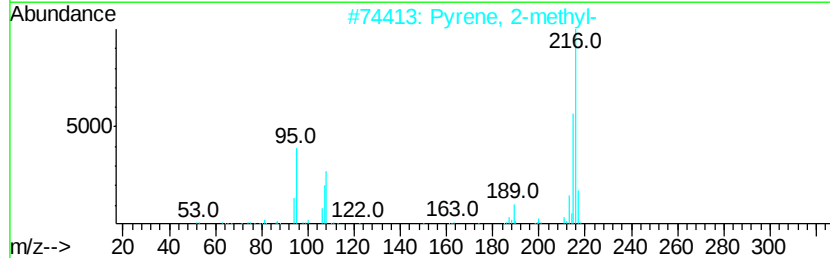
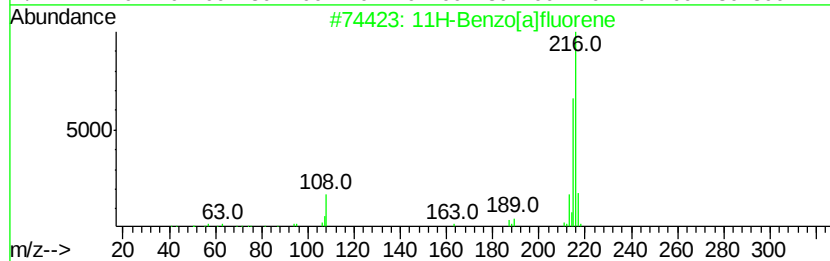
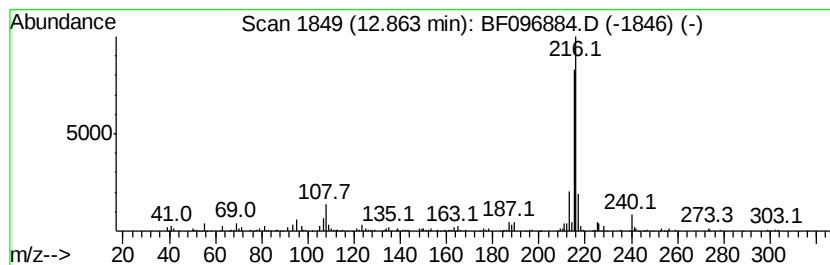
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF071317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 11H-Benzo[a]fluorene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.86	5.07 ng	279237	Chrysene-d12	13.73

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	95
2		Pyrene, 2-methyl-	216	C17H12	003442-78-2	90
3		Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
4		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
5		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071917\
Data File : BF096884.D
Acq On : 19 Jul 2017 21:52
Operator : SJ/JU
Sample : I4280-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

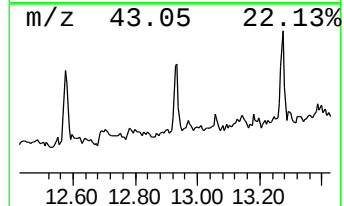
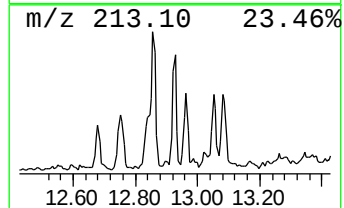
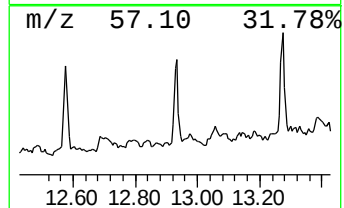
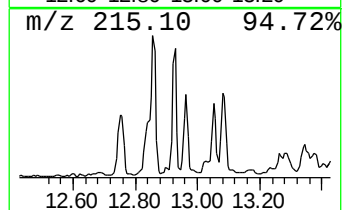
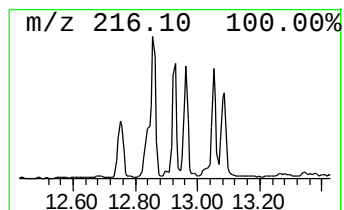
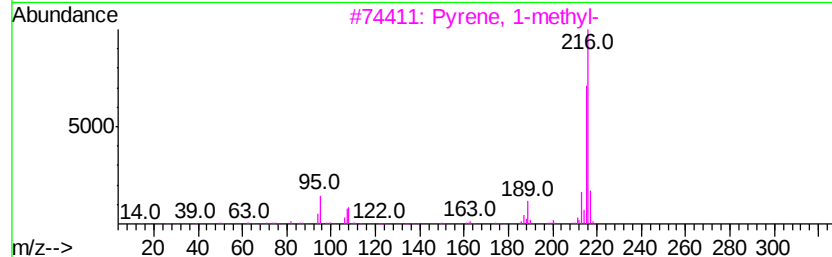
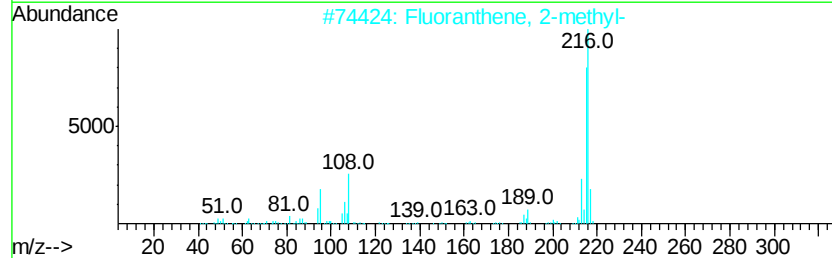
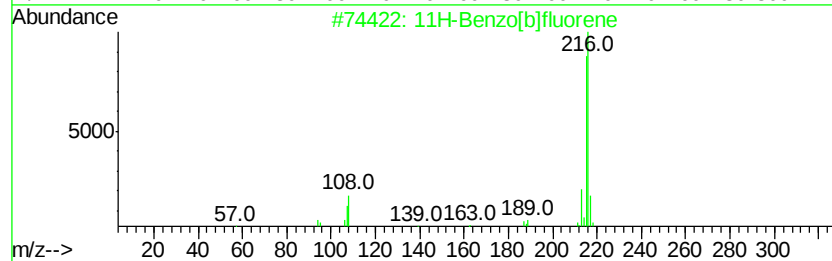
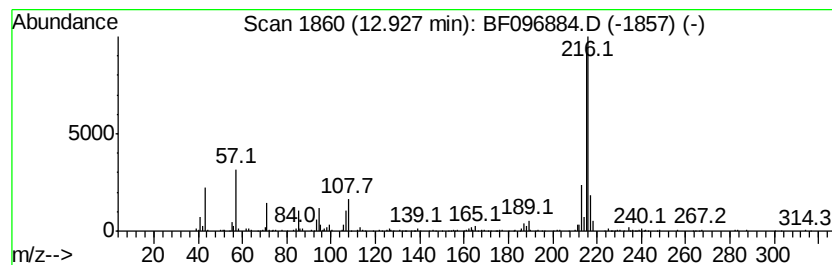
Instrument :
BNA_F
ClientSampleId :
CL-01-071817-C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 11H-Benzo[b]fluorene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.		
12.93	5.01 ng	275886	Chrysene-d12	13.73		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
2		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
3		Pvrene, 1-methyl-	216	C17H12	002381-21-7	87
4		7H-Benzo[c]fluorene	216	C17H12	000205-12-9	81
5		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	64



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071917\
Data File : BF096884.D
Acq On : 19 Jul 2017 21:52
Operator : SJ/JU
Sample : I4280-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CL-01-071817-C

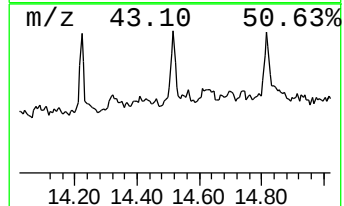
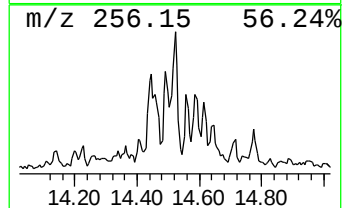
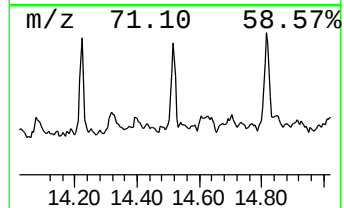
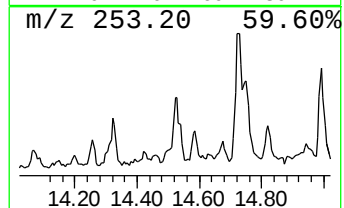
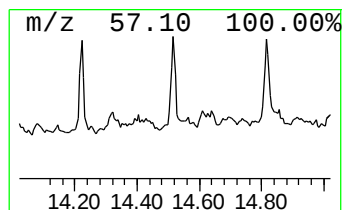
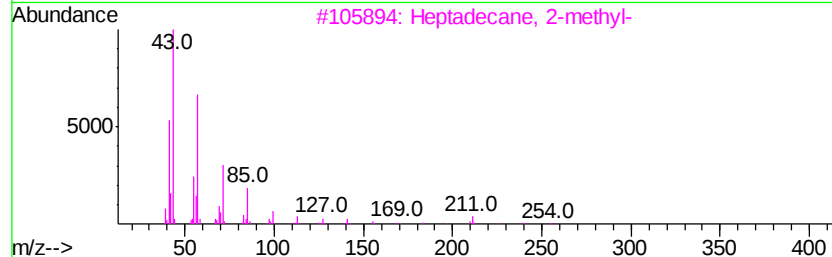
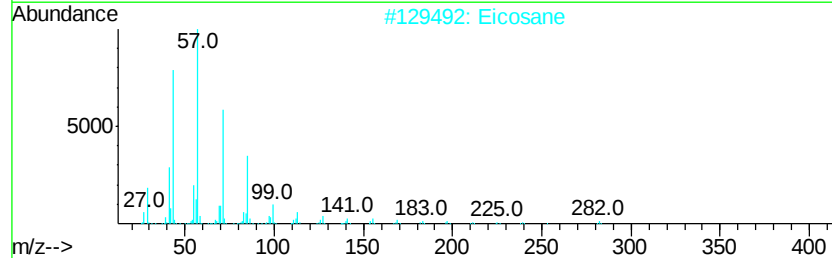
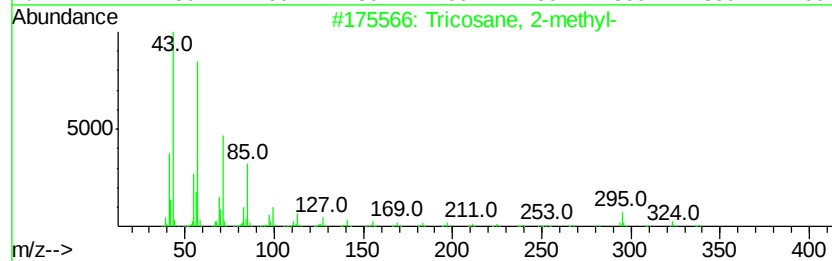
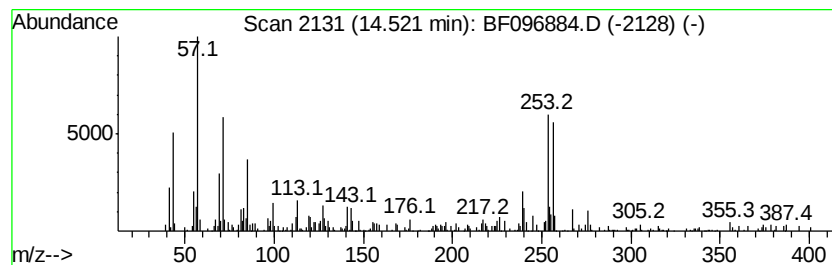
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Tricosane, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.52	14.41 ng	176781	Perylene-d12	15.10

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tricosane, 2-methyl-	338	C24H50	001928-30-9	89
2		Eicosane	282	C20H42	000112-95-8	76
3		Heptadecane, 2-methyl-	254	C18H38	001560-89-0	76
4		Hexadecane	226	C16H34	000544-76-3	76
5		Nonadecane	268	C19H40	000629-92-5	76



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071917\
 Data File : BF096884.D
 Acq On : 19 Jul 2017 21:52
 Operator : SJ/JU
 Sample : I4280-07
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-071817-C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071317.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
2-Pentanone, 4-hy...	4.75	7.3	ng	228521	1	6.59	622489	20.0
unknown6.36	6.36	63.0	ng	1960600	1	6.59	622489	20.0
Naphthalene, 1-me...	8.68	7.6	ng	348615	2	7.87	916685	20.0
unknown9.05	9.05	5.6	ng	237682	3	9.62	850490	20.0
Naphthalene, 1,6-...	9.21	6.0	ng	252987	3	9.62	850490	20.0
Naphthalene, 1,7-...	9.28	6.3	ng	268971	3	9.62	850490	20.0
Dodecane	10.54	6.8	ng	215998	4	11.09	632161	20.0
Dibenzothiophene	10.99	8.1	ng	255796	4	11.09	632161	20.0
1-Methyldibenzoth...	11.42	6.2	ng	195543	4	11.09	632161	20.0
Phenanthrene, 1-m...	11.60	11.1	ng	351225	4	11.09	632161	20.0
Anthracene, 2-met...	11.62	12.4	ng	390578	4	11.09	632161	20.0
4H-Cyclopenta[def...	11.70	19.3	ng	610793	4	11.09	632161	20.0
Phenanthrene, 2-m...	11.73	7.3	ng	230587	4	11.09	632161	20.0
Phenanthrene, 2,5...	12.15	10.6	ng	335829	4	11.09	632161	20.0
5H-Dibenzo[a,d]cy...	12.18	5.3	ng	168228	4	11.09	632161	20.0
11H-Benzo[a]fluorene	12.86	5.1	ng	279237	5	13.73	1101030	20.0
11H-Benzo[b]fluorene	12.93	5.0	ng	275886	5	13.73	1101030	20.0
Tricosane, 2-methyl-	14.52	14.4	ng	176781	6	15.10	245424	20.0