

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102417\
 Data File : BF099793.D
 Acq On : 24 Oct 2017 17:35
 Operator : SJ/JU
 Sample : I5956-05
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EPE-120-1(10-12)

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-BF102317.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.034	497	501	519	rBV	220283	384784	14.21%	1.094%
2	5.434	565	569	592	rBV	2138479	2243754	82.89%	6.382%
3	6.451	738	742	760	rBV	1849430	2288339	84.54%	6.508%
4	6.581	760	764	767	rBV	2457534	2313444	85.46%	6.580%
5	6.804	799	802	811	rBV	610920	516864	19.09%	1.470%
6	6.957	824	828	832	rBV	1853675	1855487	68.55%	5.277%
7	7.375	894	899	902	rBV	1445469	1408266	52.02%	4.005%
8	8.086	1016	1020	1034	rBV	849499	727494	26.88%	2.069%
9	8.504	1088	1091	1102	rBV	138119	149424	5.52%	0.425%
10	8.645	1112	1115	1118	rBV	50650	42700	1.58%	0.121%
11	9.163	1198	1203	1206	rBV	2855222	2706924	100.00%	7.699%
12	9.557	1268	1270	1275	rVB	40656	32805	1.21%	0.093%
13	9.704	1292	1295	1301	rBV	39363	35485	1.31%	0.101%
14	9.839	1315	1318	1322	rVV	828337	751324	27.76%	2.137%
15	9.874	1322	1324	1328	rVB2	33076	27953	1.03%	0.080%
16	10.045	1349	1353	1357	rBV2	52086	54276	2.01%	0.154%
17	10.080	1357	1359	1364	rVB	43865	36943	1.36%	0.105%
18	10.157	1368	1372	1375	rBV	37256	32997	1.22%	0.094%
19	10.186	1375	1377	1381	rVB	37909	27143	1.00%	0.077%
20	10.245	1381	1387	1389	rBV3	28671	47455	1.75%	0.135%
21	10.392	1405	1412	1418	rBV4	35177	59797	2.21%	0.170%
22	10.557	1435	1440	1444	rVB2	185968	207010	7.65%	0.589%
23	10.639	1449	1454	1457	rBV	1465476	1408664	52.04%	4.006%
24	10.939	1502	1505	1508	rBV2	50304	48098	1.78%	0.137%
25	11.063	1521	1526	1528	rBV3	107468	116320	4.30%	0.331%
26	11.086	1528	1530	1532	rVV2	96936	88503	3.27%	0.252%
27	11.145	1536	1540	1543	rVV	67893	75775	2.80%	0.216%
28	11.180	1543	1546	1549	rVV	114232	127704	4.72%	0.363%
29	11.227	1552	1554	1559	rVB3	56284	57064	2.11%	0.162%
30	11.333	1568	1572	1574	rBV	837234	741023	27.38%	2.108%
31	11.357	1574	1576	1580	rVB	1109341	865299	31.97%	2.461%
32	11.410	1582	1585	1587	rBV	279323	220712	8.15%	0.628%
33	11.574	1608	1613	1616	rBV3	74289	110906	4.10%	0.315%
34	11.621	1620	1621	1623	rVV	59625	36000	1.33%	0.102%

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102417\
 Data File : BF099793.D
 Acq On : 24 Oct 2017 17:35
 Operator : SJ/JU
 Sample : I5956-05
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EPE-120-1(10-12)

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-BF102317.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.674	1626	1630	1633	rVB2	46662	53764	1.99%	0.153%
36	11.833	1654	1657	1659	rBV	294847	260859	9.64%	0.742%
37	11.863	1659	1662	1666	rVB	415130	382679	14.14%	1.088%
38	11.910	1668	1670	1673	rVV	143498	112288	4.15%	0.319%
39	11.945	1673	1676	1678	rVV2	221473	232599	8.59%	0.662%
40	11.968	1678	1680	1685	rVB	196672	165427	6.11%	0.470%
41	12.015	1685	1688	1691	rBV3	51917	45590	1.68%	0.130%
42	12.127	1704	1707	1711	rVB	196958	160165	5.92%	0.456%
43	12.168	1711	1714	1717	rBV	73277	59858	2.21%	0.170%
44	12.274	1727	1732	1736	rBV2	65374	95493	3.53%	0.272%
45	12.310	1736	1738	1740	rVV	84164	60727	2.24%	0.173%
46	12.333	1740	1742	1745	rVB	63574	52644	1.94%	0.150%
47	12.380	1745	1750	1753	rBV	163310	198449	7.33%	0.564%
48	12.421	1754	1757	1759	rVV3	93735	125730	4.64%	0.358%
49	12.439	1759	1760	1763	rVV	63134	52635	1.94%	0.150%
50	12.480	1763	1767	1775	rVB2	136729	202794	7.49%	0.577%
51	12.551	1775	1779	1782	rBV	1351416	1182779	43.69%	3.364%
52	12.586	1783	1785	1787	rBV	36202	29609	1.09%	0.084%
53	12.610	1787	1789	1792	rVB2	40981	34628	1.28%	0.098%
54	12.698	1801	1804	1806	rBV3	56369	77616	2.87%	0.221%
55	12.715	1806	1807	1812	rVB3	111384	95234	3.52%	0.271%
56	12.762	1812	1815	1816	rBV2	286097	296697	10.96%	0.844%
57	12.780	1816	1818	1823	rVB	995527	854221	31.56%	2.430%
58	12.827	1823	1826	1831	rVB2	124102	126677	4.68%	0.360%
59	12.915	1833	1841	1845	rBV	1893605	2145560	79.26%	6.102%
60	12.998	1850	1855	1860	rBV3	131617	243713	9.00%	0.693%
61	13.086	1866	1870	1871	rBV2	87385	109276	4.04%	0.311%
62	13.174	1882	1885	1887	rBV	28063	28844	1.07%	0.082%
63	13.210	1887	1891	1895	rVV2	158888	223080	8.24%	0.634%
64	13.268	1898	1901	1904	rVB	48950	45894	1.70%	0.131%
65	13.304	1904	1907	1910	rBV	77287	72440	2.68%	0.206%
66	13.339	1910	1913	1921	rVB2	106818	154106	5.69%	0.438%
67	13.404	1921	1924	1927	rBV3	29076	42264	1.56%	0.120%
68	13.439	1927	1930	1933	rVB	101876	91532	3.38%	0.260%
69	13.627	1958	1962	1965	rBV	208477	186095	6.87%	0.529%
70	13.680	1969	1971	1974	rVB	28772	27612	1.02%	0.079%
71	13.733	1977	1980	1982	rVV	136868	135714	5.01%	0.386%

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102417\
Data File : BF099793.D
Acq On : 24 Oct 2017 17:35
Operator : SJ/JU
Sample : I5956-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EPE-120-1(10-12)

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

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

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.751	1982	1983	1986	rVV	123900	102524	3.79%	0.292%
73	13.798	1986	1991	1995	rVV3	194588	273016	10.09%	0.776%
74	13.839	1995	1998	2003	rVB	160242	164706	6.08%	0.468%
75	13.939	2012	2015	2018	rBV	502714	422938	15.62%	1.203%
76	13.974	2018	2021	2025	rVV3	725330	1114913	41.19%	3.171%
77	14.009	2025	2027	2030	rVB	519001	408076	15.08%	1.161%
78	14.151	2048	2051	2054	rBV4	39261	53444	1.97%	0.152%
79	14.215	2060	2062	2065	rVB	58783	44260	1.64%	0.126%
80	14.333	2079	2082	2083	rBV	44303	36830	1.36%	0.105%
81	14.368	2086	2088	2091	rVB	167600	129982	4.80%	0.370%
82	14.404	2091	2094	2096	rBV2	75123	64657	2.39%	0.184%
83	14.498	2107	2110	2115	rBV2	54705	80675	2.98%	0.229%
84	14.586	2122	2125	2128	rVB	183898	160643	5.93%	0.457%
85	14.798	2158	2161	2164	rVB3	63079	71077	2.63%	0.202%
86	14.868	2170	2173	2176	rBV	83311	80122	2.96%	0.228%
87	15.027	2195	2200	2202	rBV	381829	574677	21.23%	1.634%
88	15.051	2202	2204	2209	rVB	600696	620035	22.91%	1.763%
89	15.133	2215	2218	2222	rBV	78716	83841	3.10%	0.238%
90	15.327	2247	2251	2257	rVB	220560	284803	10.52%	0.810%
91	15.392	2258	2262	2266	rVV	335498	421298	15.56%	1.198%
92	15.451	2269	2272	2276	rVV	387875	475584	17.57%	1.353%
93	15.486	2276	2278	2284	rVB2	87302	110678	4.09%	0.315%
94	15.845	2335	2339	2345	rBV	118727	163372	6.04%	0.465%
95	16.327	2419	2421	2429	rVB4	31801	64020	2.37%	0.182%
96	16.927	2516	2523	2530	rVB	155370	348060	12.86%	0.990%
97	17.098	2547	2552	2557	rBV	43170	81752	3.02%	0.233%
98	17.150	2559	2561	2569	rVB3	34134	58269	2.15%	0.166%
99	17.374	2595	2599	2614	rVB	77689	210326	7.77%	0.598%
100	18.462	2778	2784	2791	rVB4	58317	143263	5.29%	0.407%

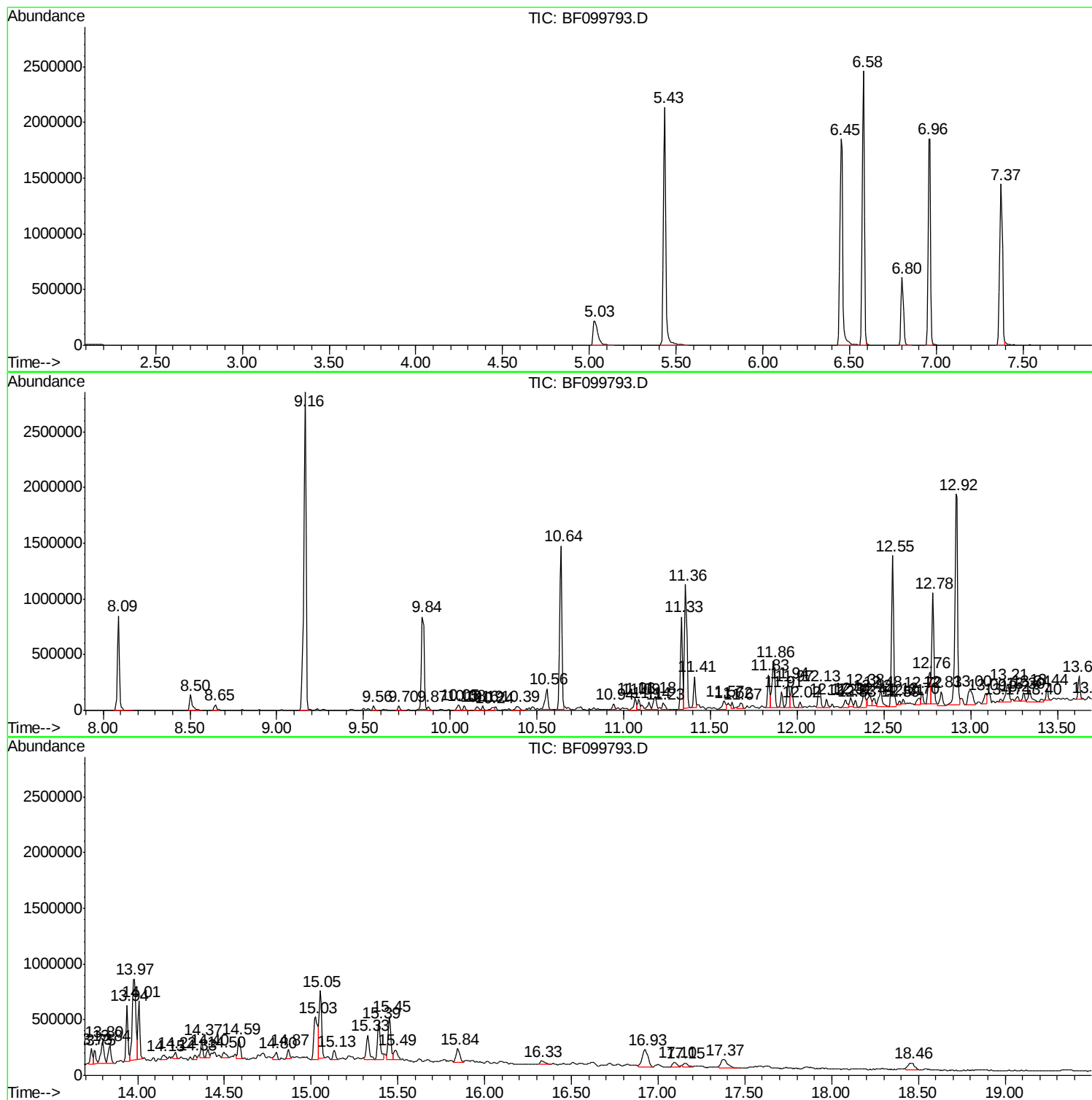
Sum of corrected areas: 35159869

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102417\
Data File : BF099793.D
Acq On : 24 Oct 2017 17:35
Operator : SJ/JU
Sample : I5956-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampled :
EPE-120-1(10-12)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.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\BF102417\
Data File : BF099793.D
Acq On : 24 Oct 2017 17:35
Operator : SJ/JU
Sample : I5956-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EPE-120-1(10-12)

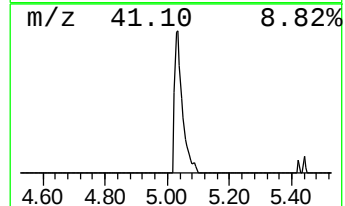
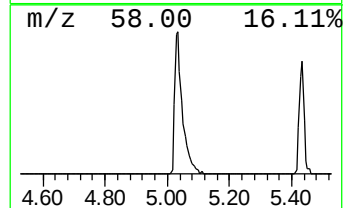
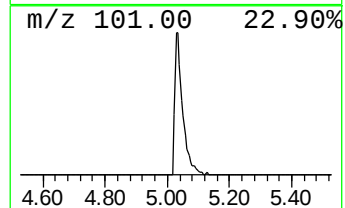
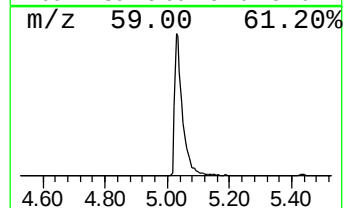
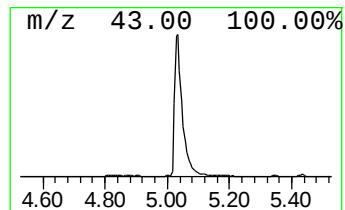
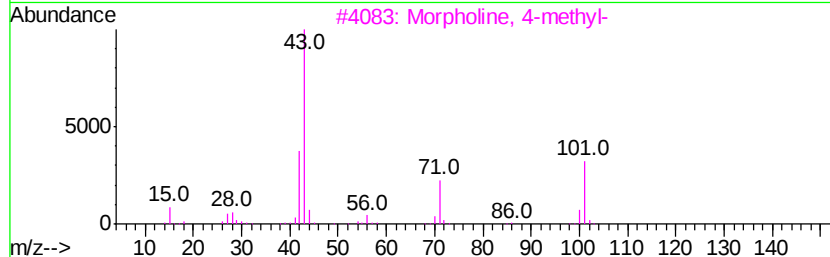
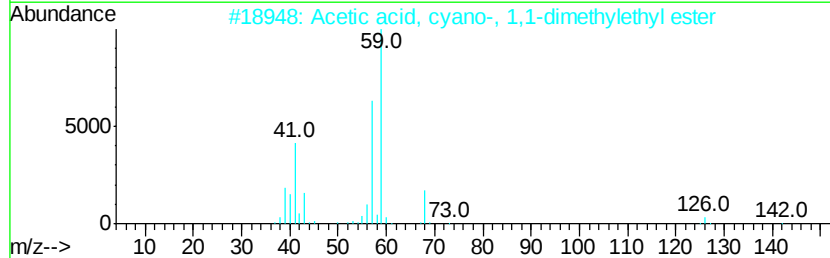
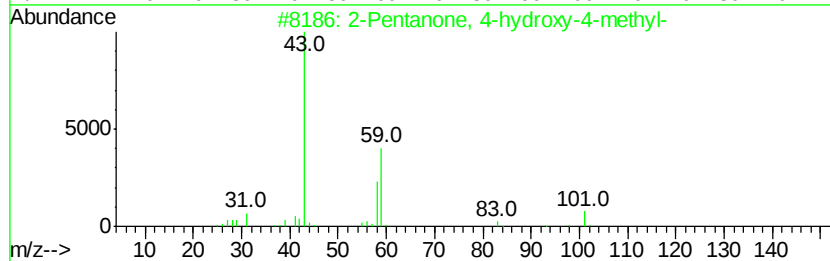
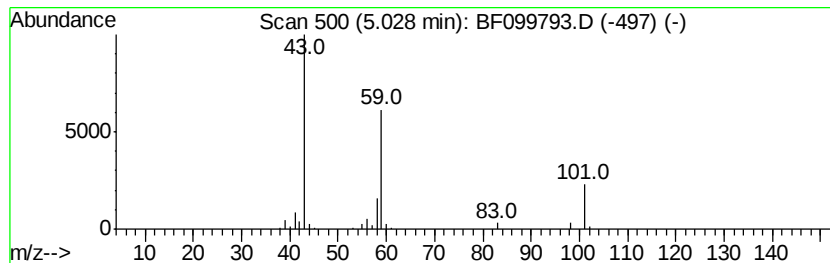
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.03	14.89 ng	384784	1,4-Dichlorobenzene-d4	6.80

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2		Acetic acid, cyano-, 1,1-dimethyl...	141	C7H11NO2	001116-98-9	17
3		Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
4		(+)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	9
5		Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9



Data Path : Z:\HPCHEM1\BNA F\DATA\BF102417\
Data File : BF099793.D
Acq On : 24 Oct 2017 17:35
Operator : SJ/JU
Sample : I5956-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EPE-120-1(10-12)

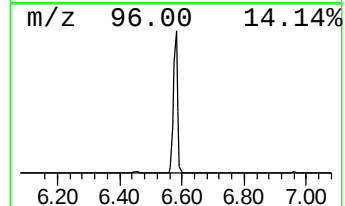
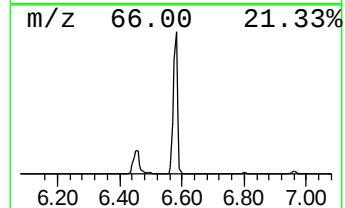
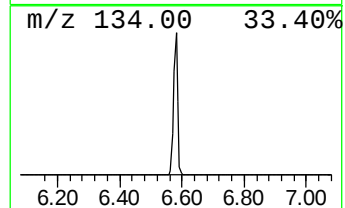
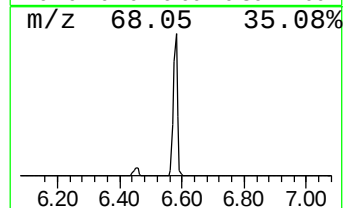
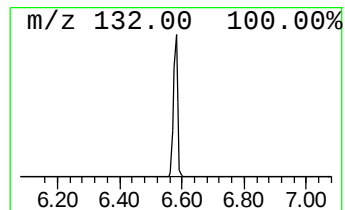
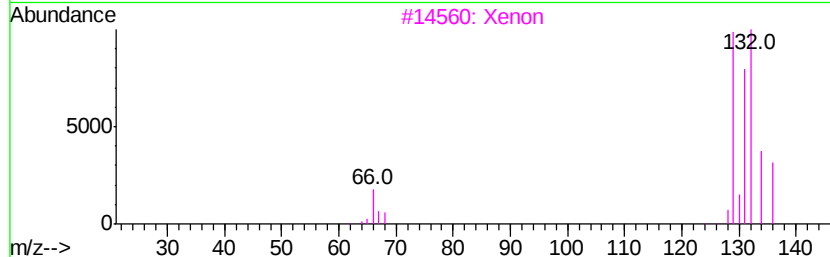
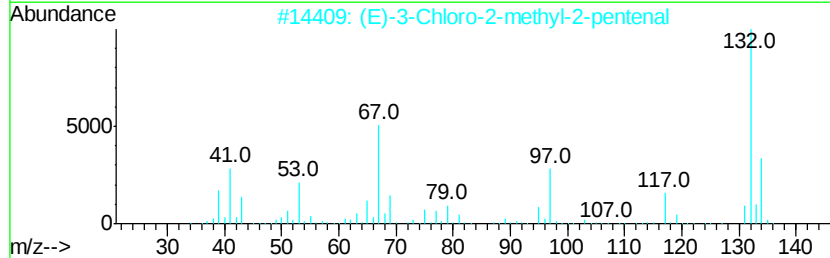
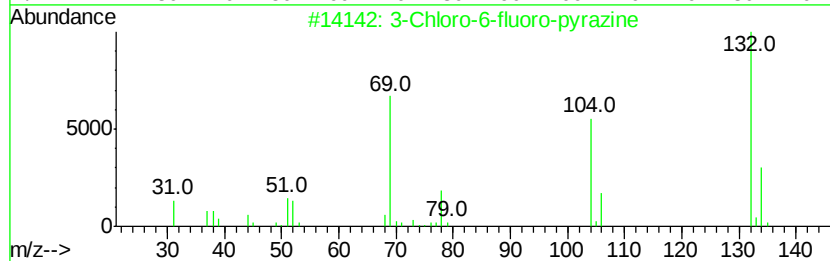
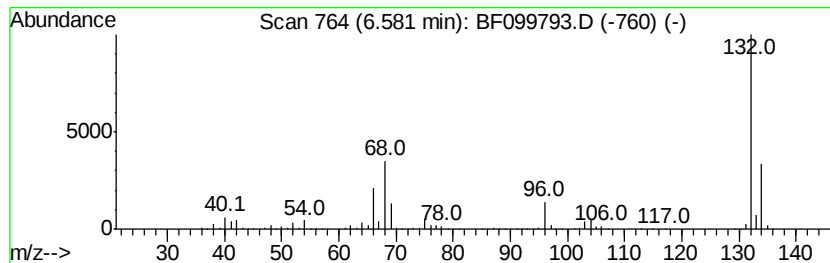
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 unknown6.58 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.58	89.52 ng	2313440	1,4-Dichlorobenzene-d4	6.80

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	38
2		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	35
3		Xenon	132	Xe	007440-63-3	9
4		4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9
5		4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9



Data Path : Z:\HPCHEM1\BNA F\DATA\BF102417\
Data File : BF099793.D
Acq On : 24 Oct 2017 17:35
Operator : SJ/JU
Sample : I5956-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

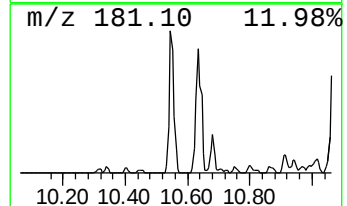
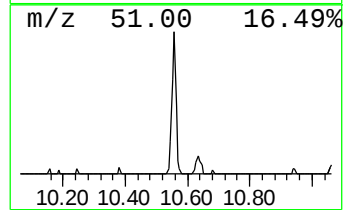
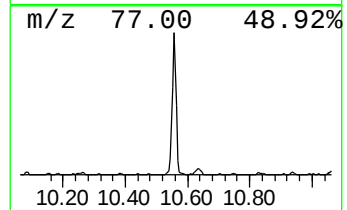
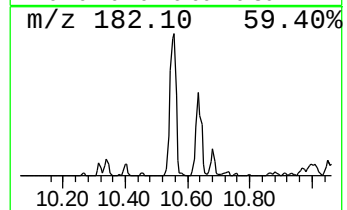
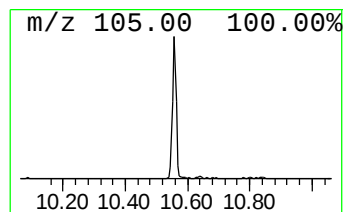
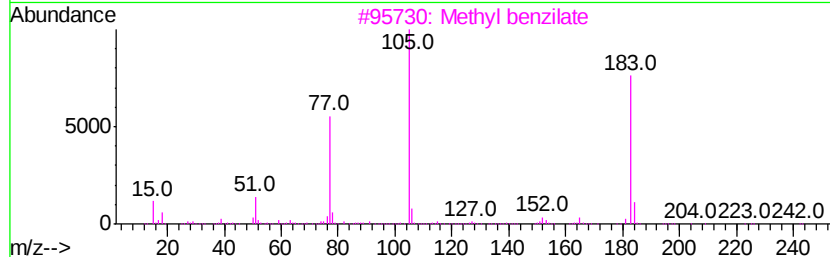
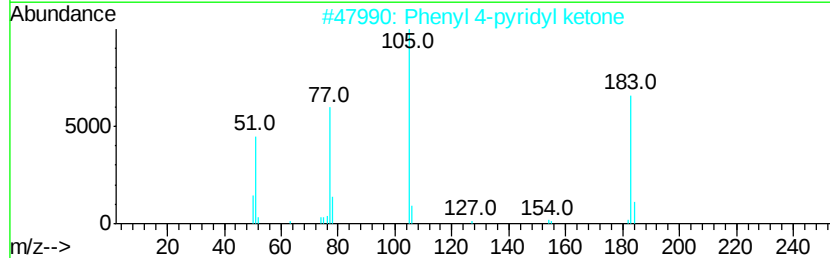
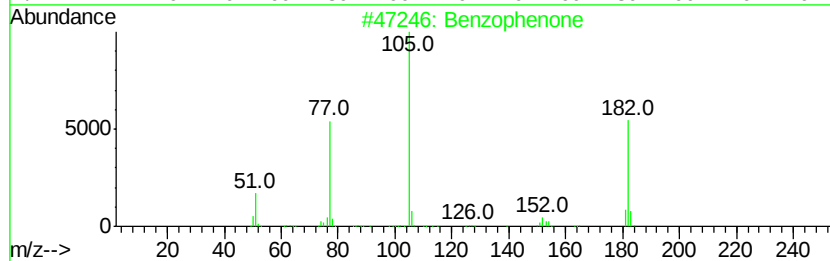
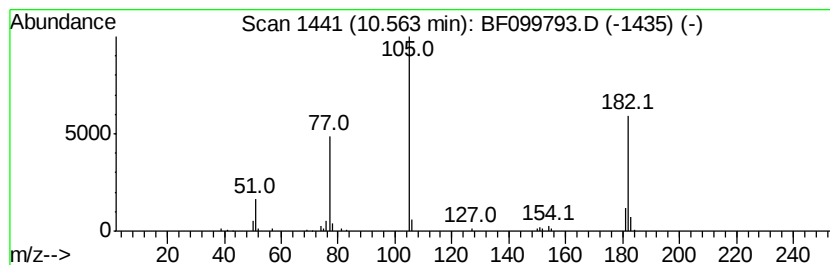
Instrument :
BNA_F
ClientSampleId :
EPE-120-1(10-12)

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Benzophenone Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.56	5.51 ng	207010	Acenaphthene-d10	9.84
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Benzophenone	182 C13H10O	000119-61-9 97
2		Phenyl 4-pyridyl ketone	183 C12H9NO	014548-46-0 53
3		Methyl benzilate	242 C15H14O3	000076-89-1 47
4		Benzoyl isothiocyanate	163 C8H5NOS	000532-55-8 46
5		Ethanone, 2,2,2-trifluoro-1-phenyl-	174 C8H5F3O	000434-45-7 43



Data Path : Z:\HPCHEM1\BNA F\DATA\BF102417\
Data File : BF099793.D
Acq On : 24 Oct 2017 17:35
Operator : SJ/JU
Sample : I5956-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EPE-120-1(10-12)

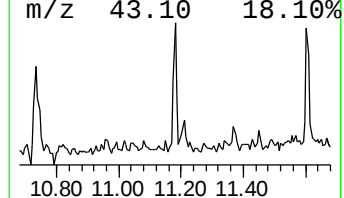
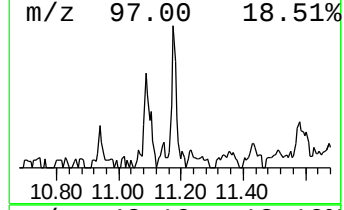
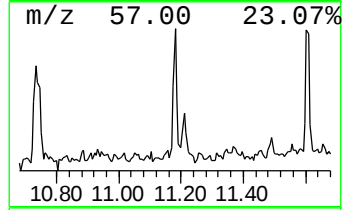
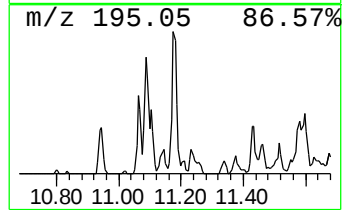
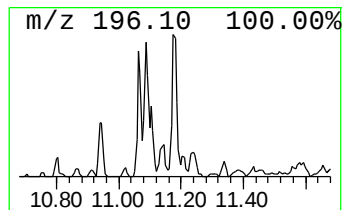
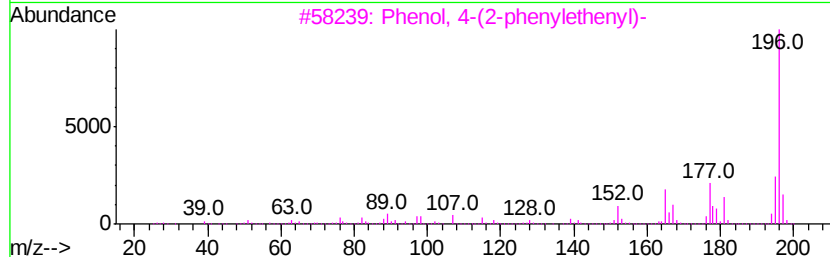
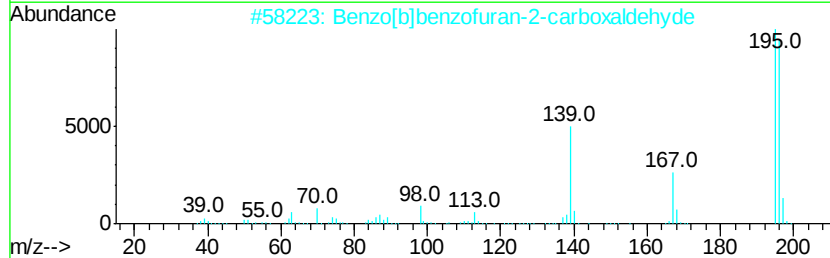
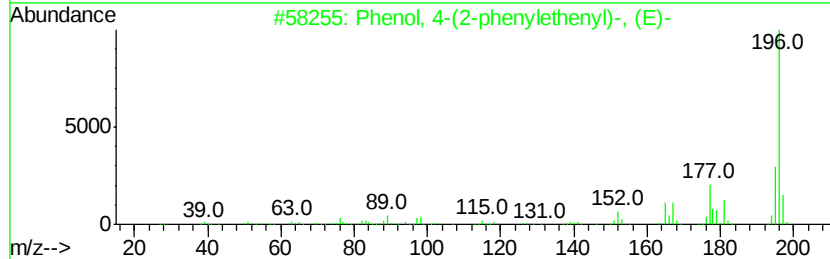
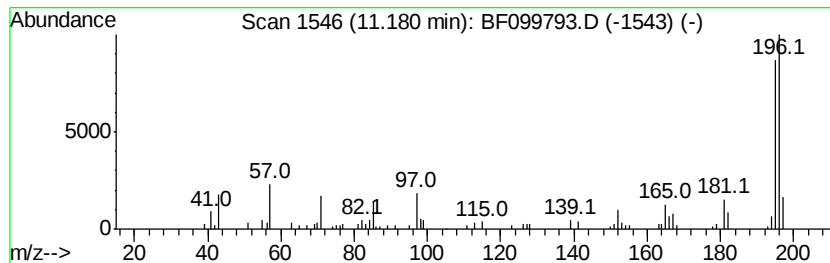
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Phenol, 4-(2-phenylethenyl)... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.18	3.45 ng	127704	Phenanthrene-d10	11.33

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	64
2		Benzo[b]benzofuran-2-carboxaldehyde	196	C13H8O2	1000351-56-0	53
3		Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	49
4		Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	47
5		9-Anthracenamine, 9,10-dihydro-	195	C14H13N	097825-91-7	43



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102417\
Data File : BF099793.D
Acq On : 24 Oct 2017 17:35
Operator : SJ/JU
Sample : I5956-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EPE-120-1(10-12)

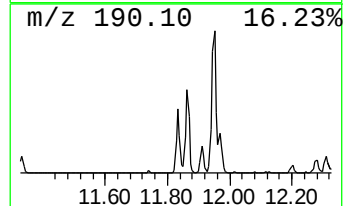
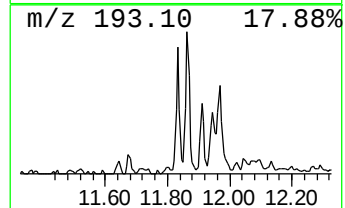
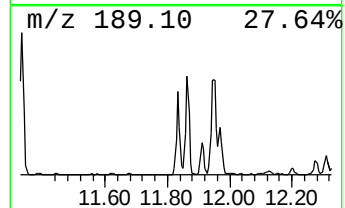
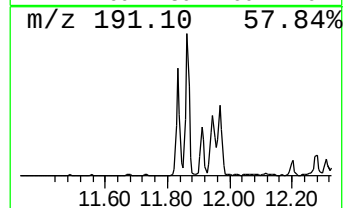
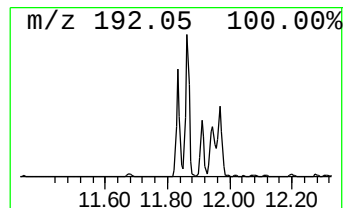
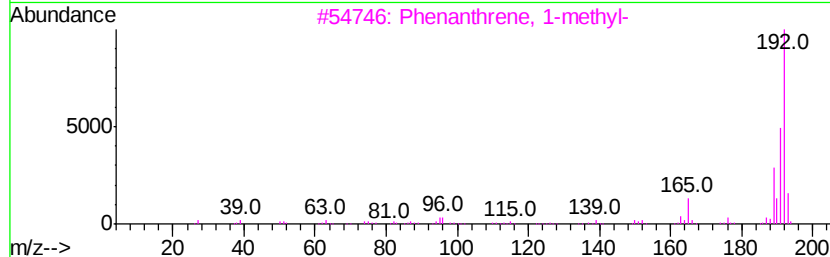
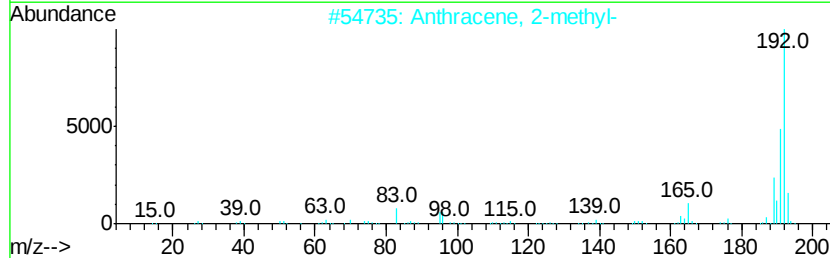
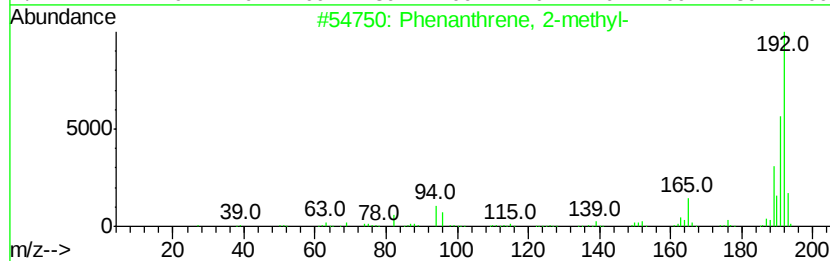
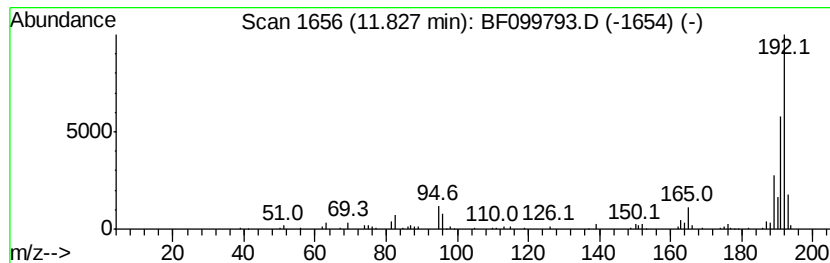
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.83	7.04 ng	260859	Phenanthrene-d10	11.33

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2		Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4		Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
5		1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	94



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102417\
Data File : BF099793.D
Acq On : 24 Oct 2017 17:35
Operator : SJ/JU
Sample : I5956-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

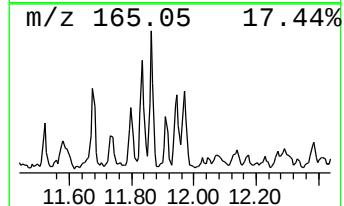
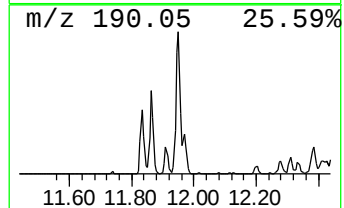
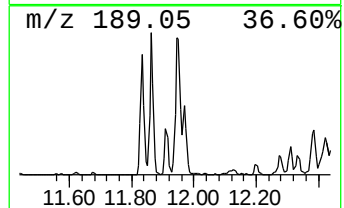
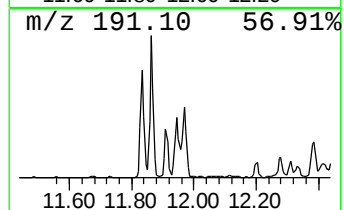
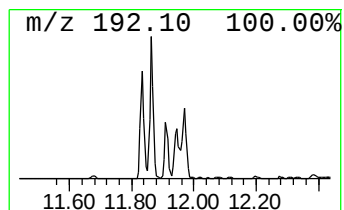
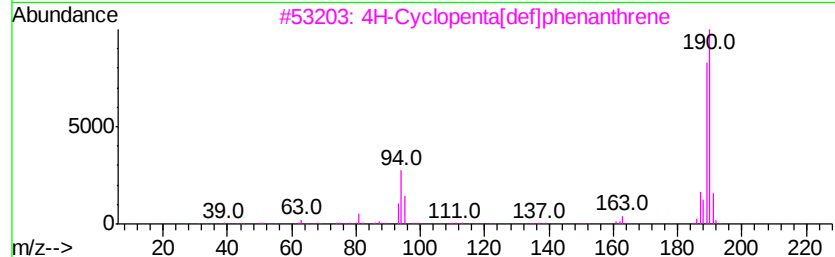
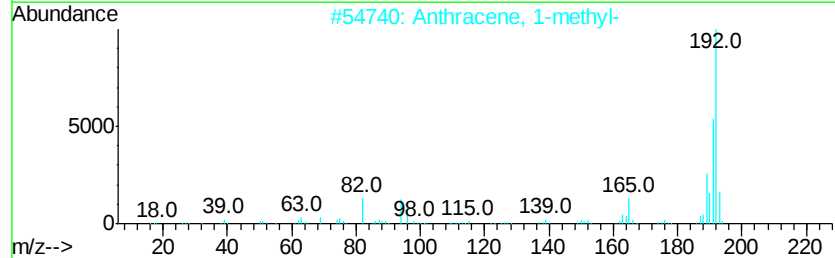
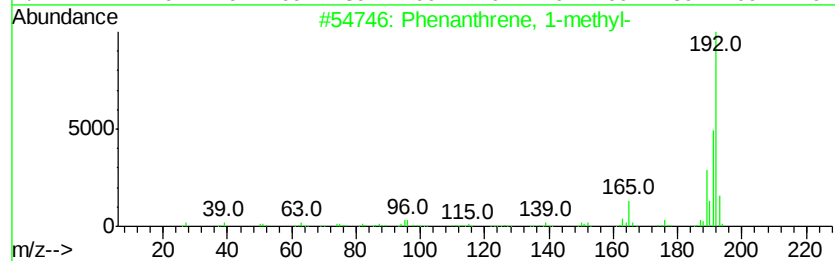
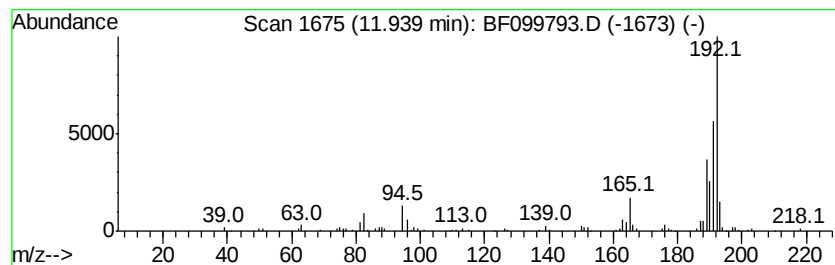
Instrument :
BNA_F
ClientSampleId :
EPE-120-1(10-12)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD		R.T.
11.94	6.28 ng	232599	Phenanthrene-d10		11.33
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	86
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	64
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	55
4	1H-Cyclopropa[all]phenanthrene,1a,...	192	C15H12	000949-41-7	50
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	50



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102417\
Data File : BF099793.D
Acq On : 24 Oct 2017 17:35
Operator : SJ/JU
Sample : I5956-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EPE-120-1(10-12)

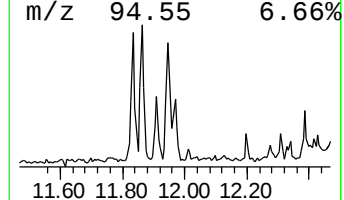
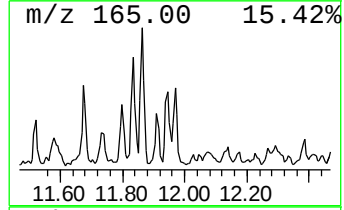
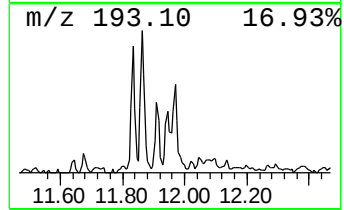
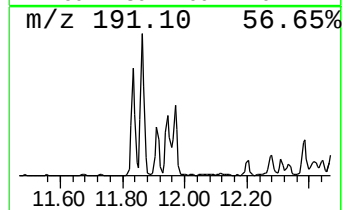
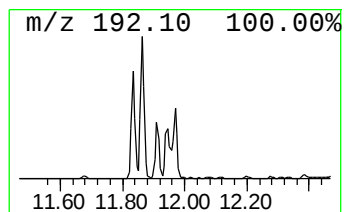
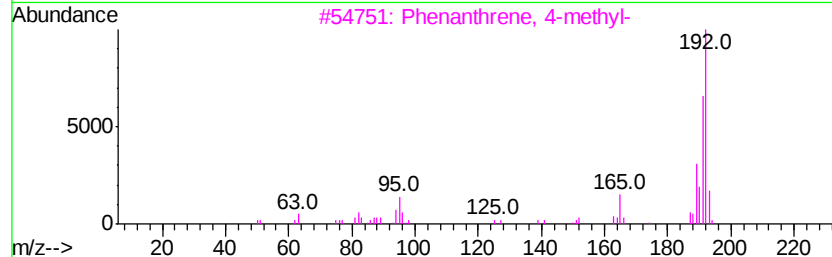
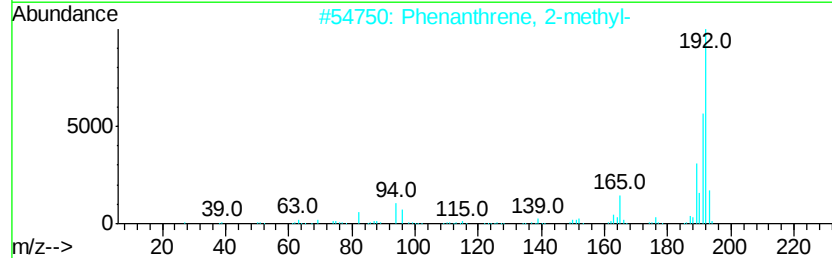
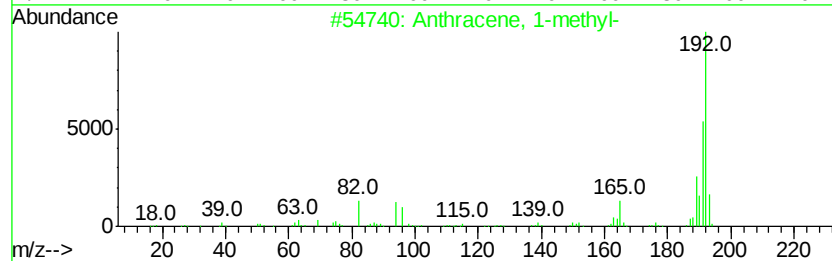
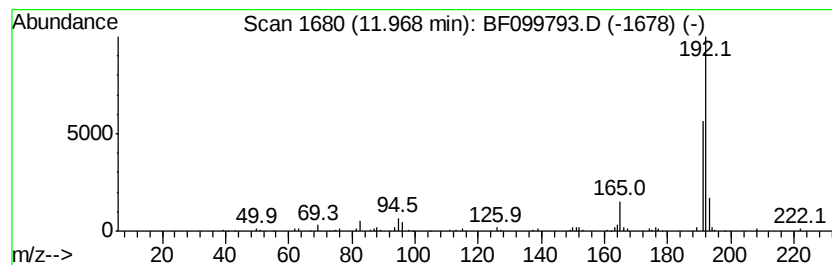
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Anthracene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.97	4.46 ng	165427	Phenanthrene-d10	11.33

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
2		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
3		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	91
4		Anthracene, 9-methyl-	192	C15H12	000779-02-2	90
5		1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	90



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102417\
Data File : BF099793.D
Acq On : 24 Oct 2017 17:35
Operator : SJ/JU
Sample : I5956-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EPE-120-1(10-12)

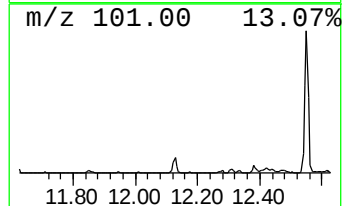
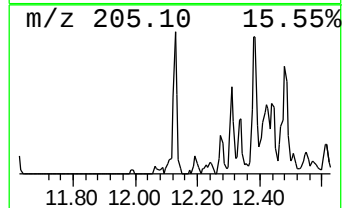
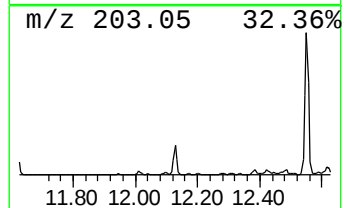
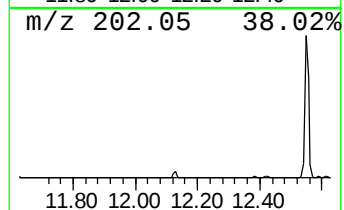
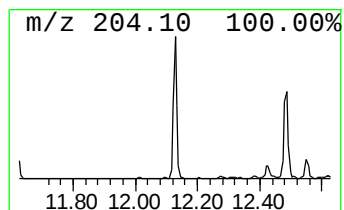
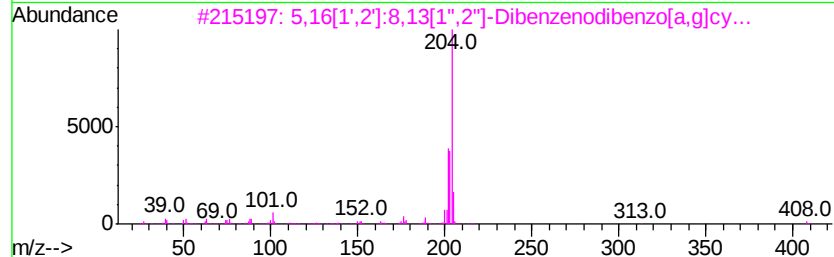
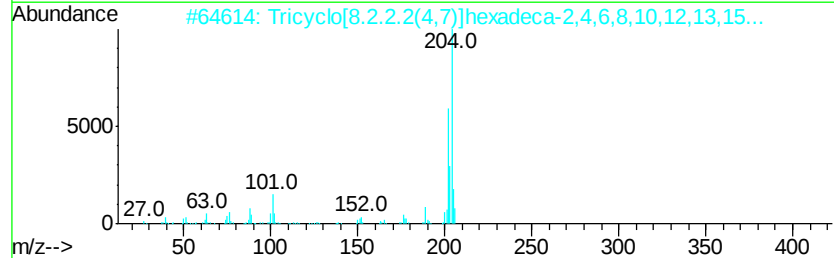
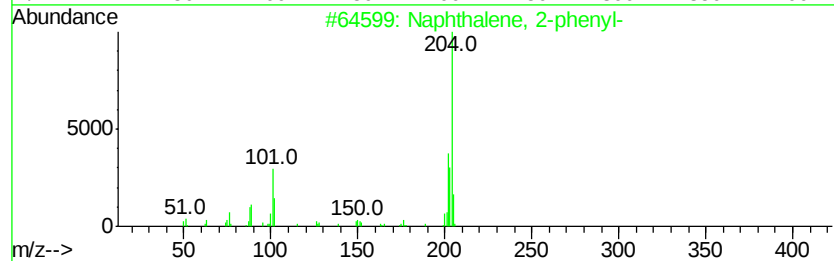
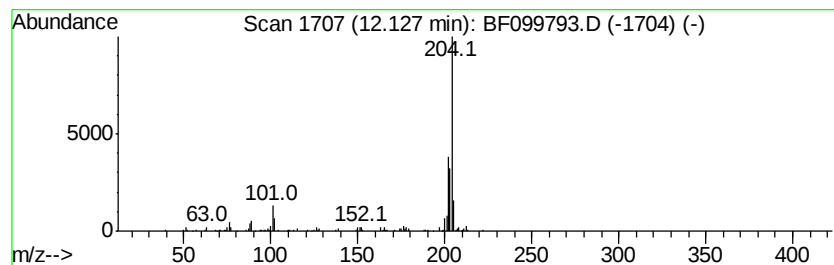
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Naphthalene, 2-phenyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.13	4.32 ng	160165	Phenanthrene-d10	11.33

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
2		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	80
3		5,16[1',2']8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	64
4		9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	62
5		Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	58



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102417\
Data File : BF099793.D
Acq On : 24 Oct 2017 17:35
Operator : SJ/JU
Sample : I5956-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EPE-120-1(10-12)

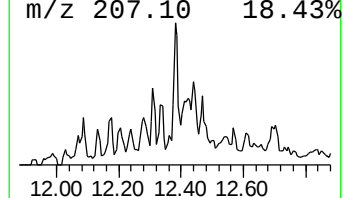
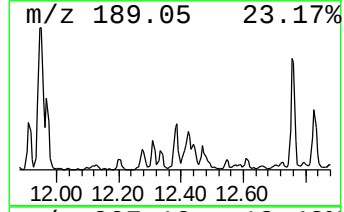
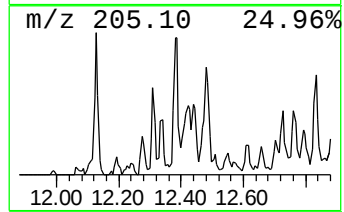
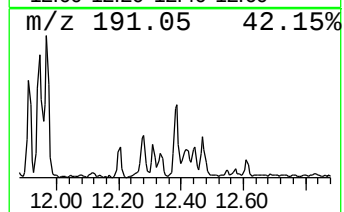
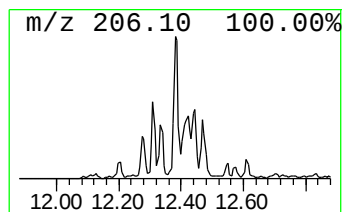
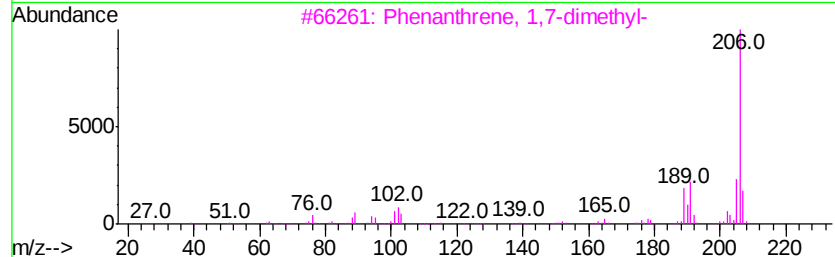
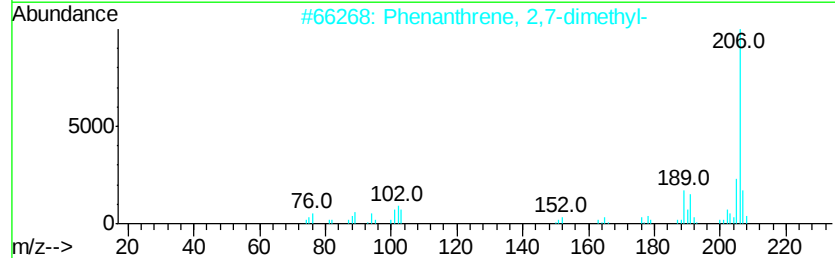
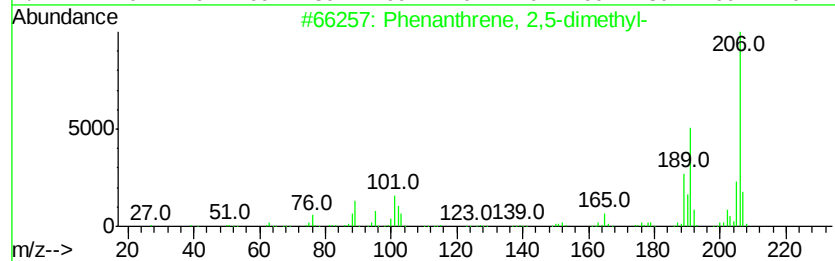
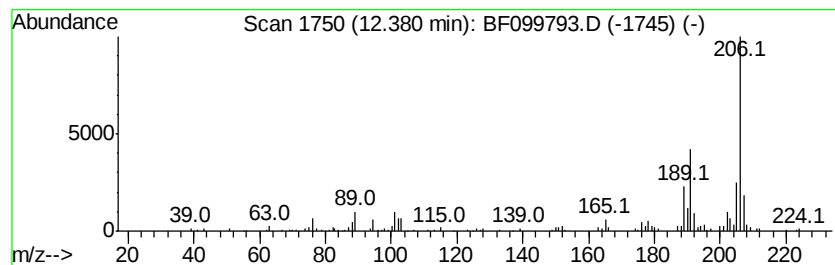
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Phenanthrene, 2,5-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.38	5.36 ng	198449	Phenanthrene-d10	11.33

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2		Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	93
3		Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
4		Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
5		di-p-Tolylacetylene	206	C16H14	002789-88-0	92



Data Path : Z:\HPCHEM1\BNA F\DATA\BF102417\
Data File : BF099793.D
Acq On : 24 Oct 2017 17:35
Operator : SJ/JU
Sample : I5956-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EPE-120-1(10-12)

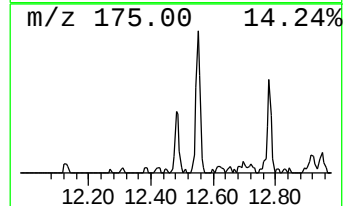
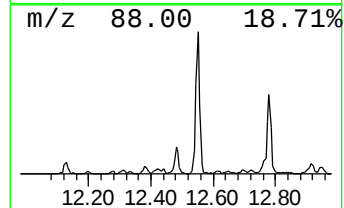
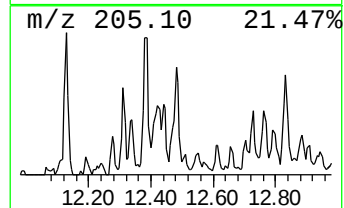
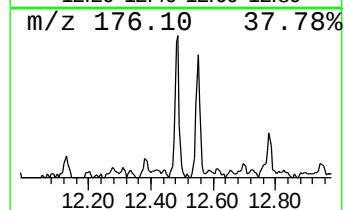
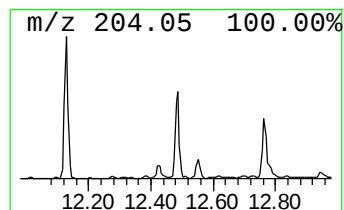
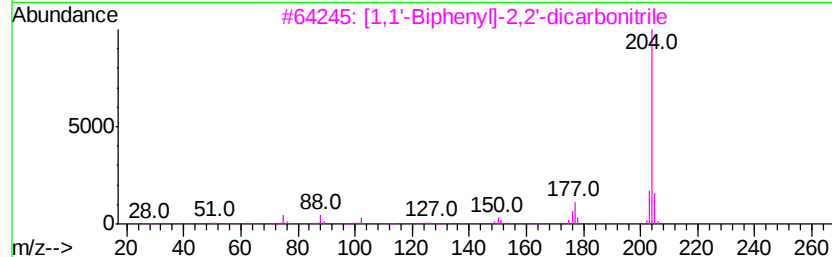
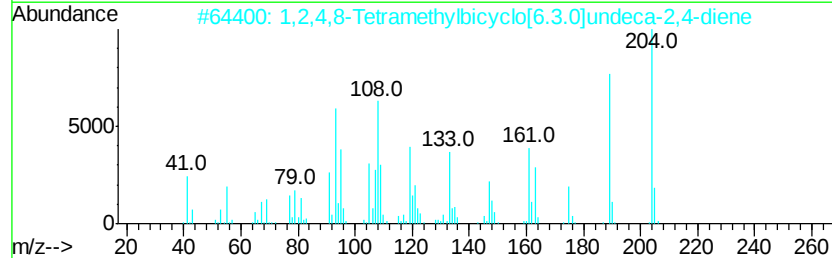
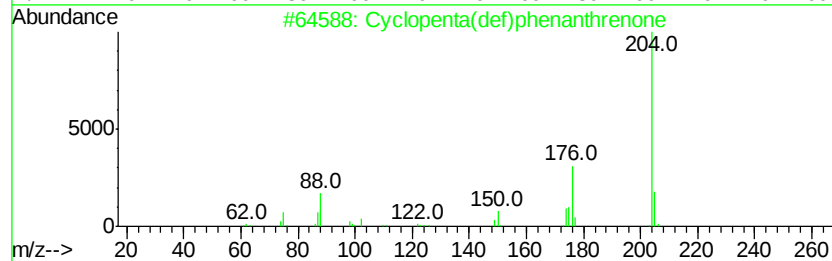
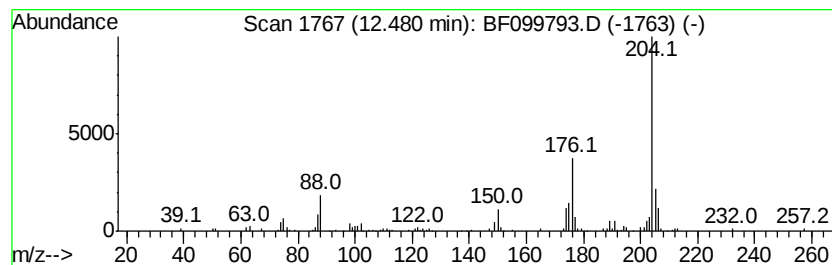
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Cyclopenta(def)phenanthrenone Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.48	5.47 ng	202794	Phenanthrene-d10	11.33

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	98
2		1,2,4,8-Tetramethylbicyclo[6.3.0]undeca-2,4-diene	204	C15H24	137235-51-9	53
3		[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	50
4		[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	50
5		Ethyl 2,3,4,6-tetrakis-0-(trimet...	496	C20H48O6Si4	1000365-90-0	47



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102417\
Data File : BF099793.D
Acq On : 24 Oct 2017 17:35
Operator : SJ/JU
Sample : I5956-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

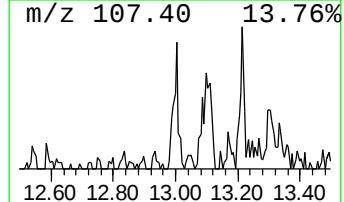
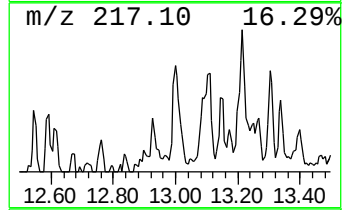
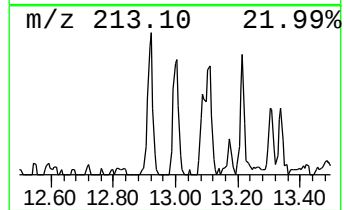
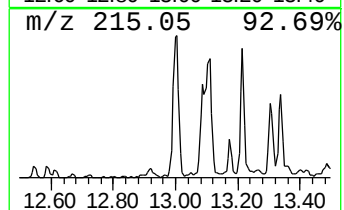
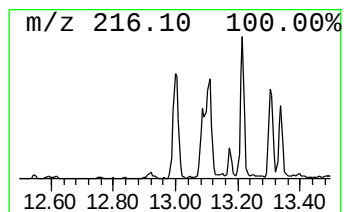
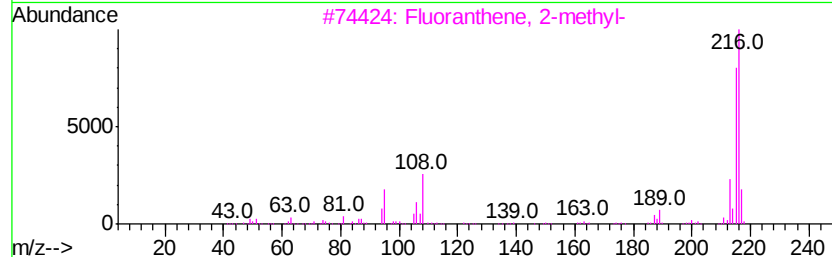
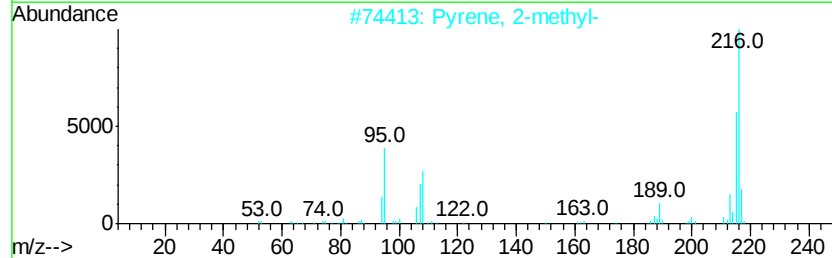
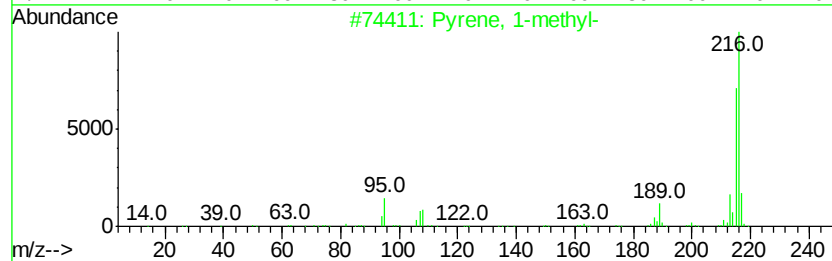
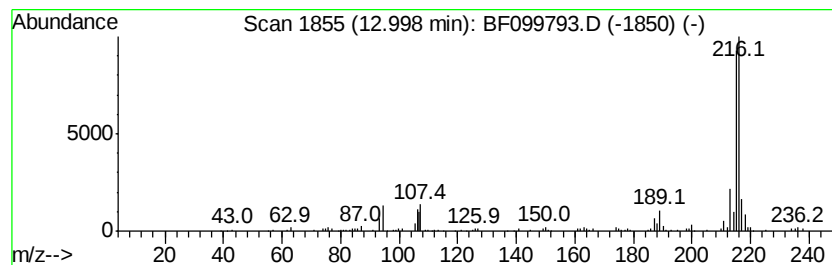
Instrument :
BNA_F
ClientSampleId :
EPE-120-1(10-12)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Pyrene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.00	4.37 ng	243713	Chrysene-d12	13.98	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	95
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102417\
Data File : BF099793.D
Acq On : 24 Oct 2017 17:35
Operator : SJ/JU
Sample : I5956-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

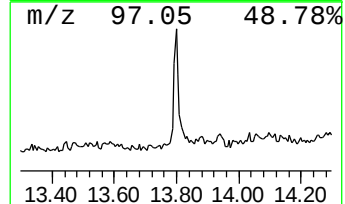
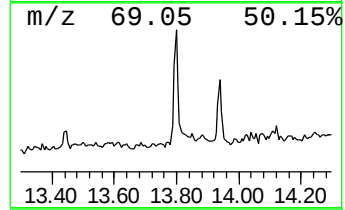
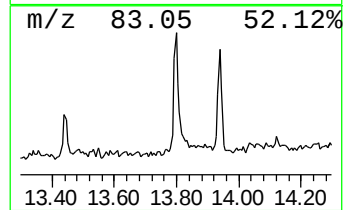
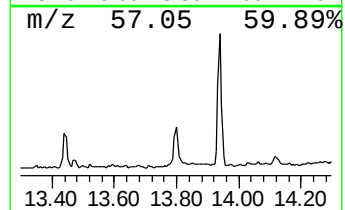
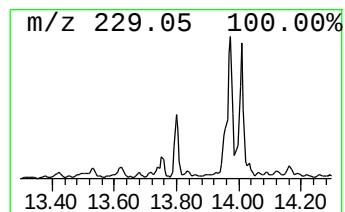
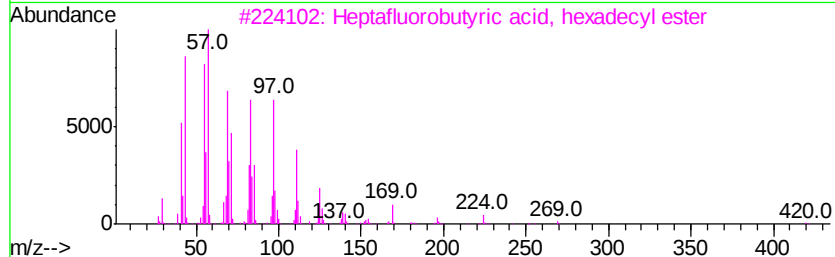
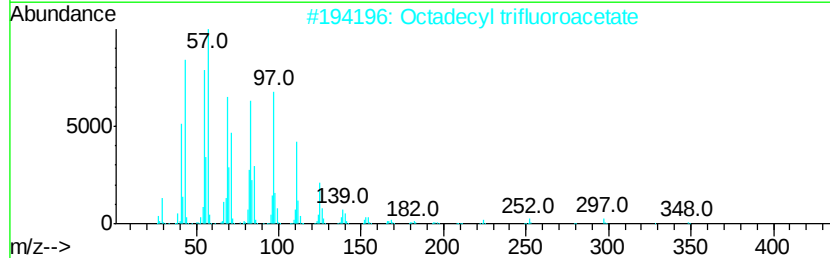
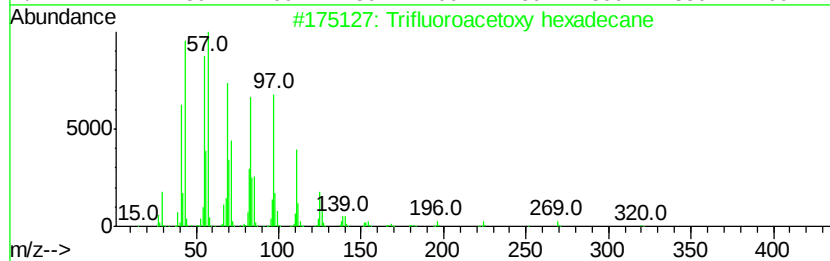
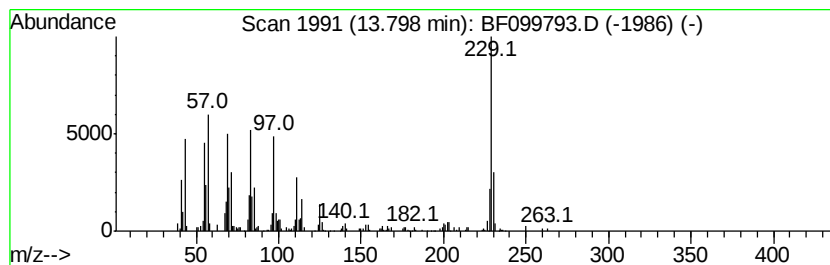
Instrument :
BNA_F
ClientSampleId :
EPE-120-1(10-12)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Trifluoroacetoxy hexadecane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD		R.T.		
13.80	4.90 ng	273016	Chrysene-d12		13.98		
Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Trifluoroacetoxy hexadecane	338	C18H33F3O2	006222-03-3	80
2			Octadecyl trifluoroacetate	366	C20H37F3O2	079392-43-1	64
3			Heptafluorobutyric acid, hexadec...	438	C20H33F7O2	006385-15-5	46
4			Heneicosyl heptafluorobutyrate	508	C25H43F7O2	1000351-83-8	46
5			Docosyl pentafluoropropionate	472	C25H45F5O2	1000351-80-9	46



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102417\
Data File : BF099793.D
Acq On : 24 Oct 2017 17:35
Operator : SJ/JU
Sample : I5956-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

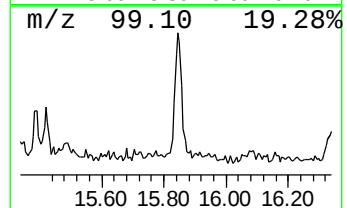
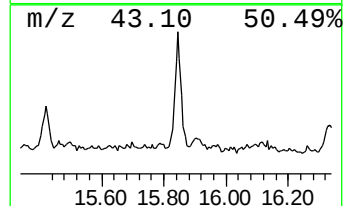
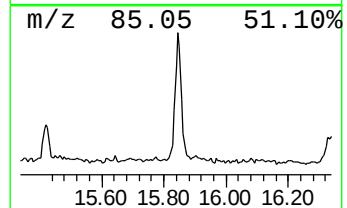
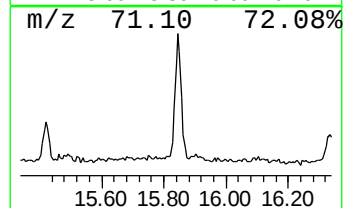
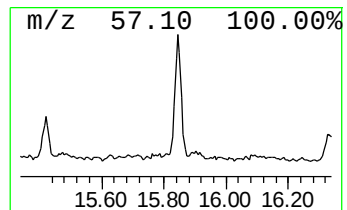
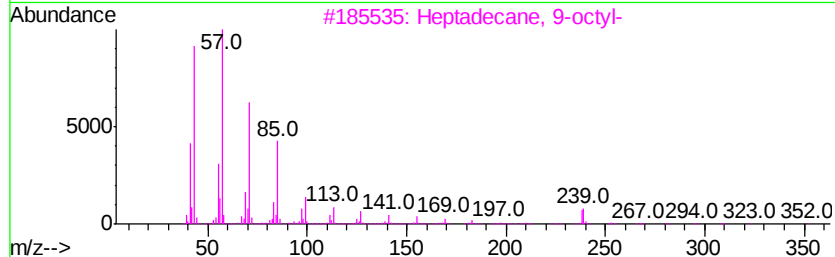
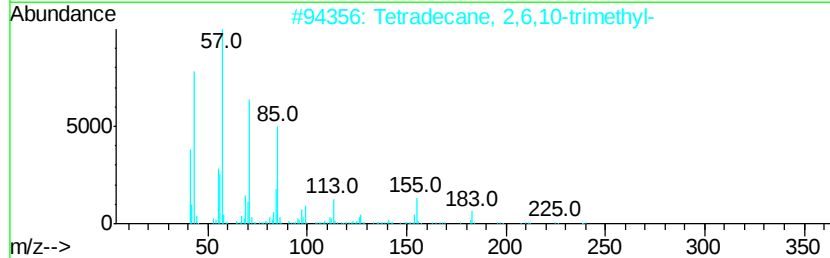
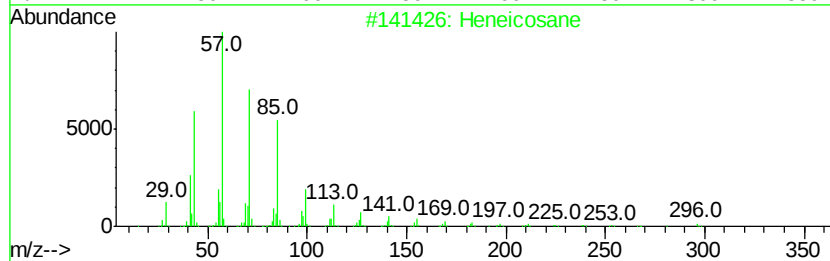
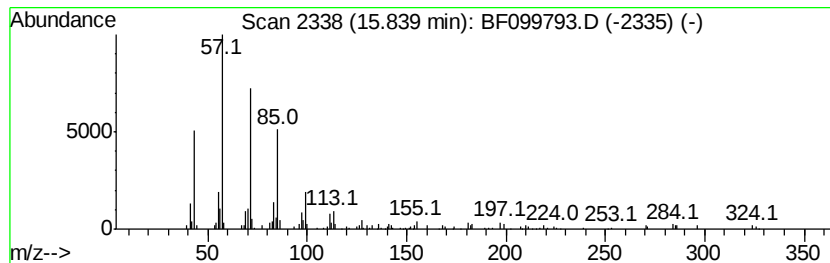
Instrument :
BNA_F
ClientSampleId :
EPE-120-1(10-12)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Heneicosane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.	
15.84	6.87 ng	163372	Perylene-d12	15.45	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	95
2	Tetradecane, 2,6,10-trimethyl-	240	C17H36	014905-56-7	93
3	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	91
4	Tetracosane	338	C24H50	000646-31-1	91
5	2-methyloctacosane	408	C29H60	1000376-72-8	91



Data Path : Z:\HPCHEM1\BNA F\DATA\BF102417\
Data File : BF099793.D
Acq On : 24 Oct 2017 17:35
Operator : SJ/JU
Sample : I5956-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EPE-120-1(10-12)

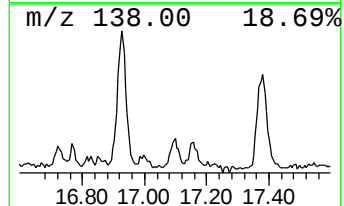
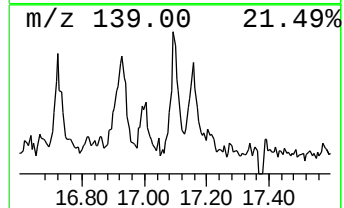
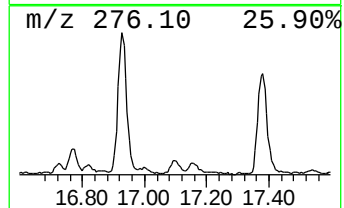
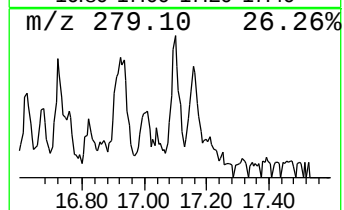
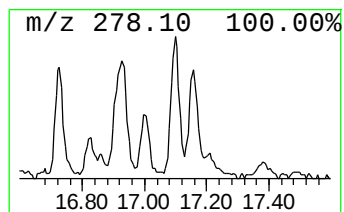
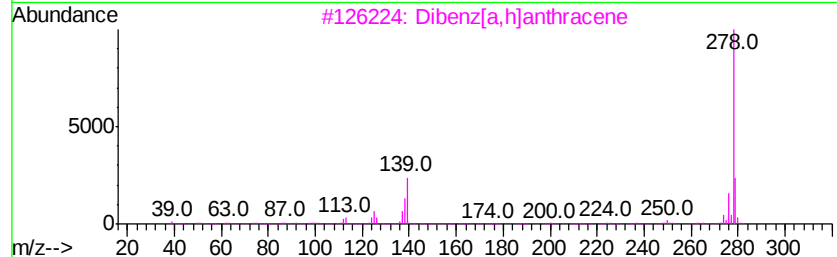
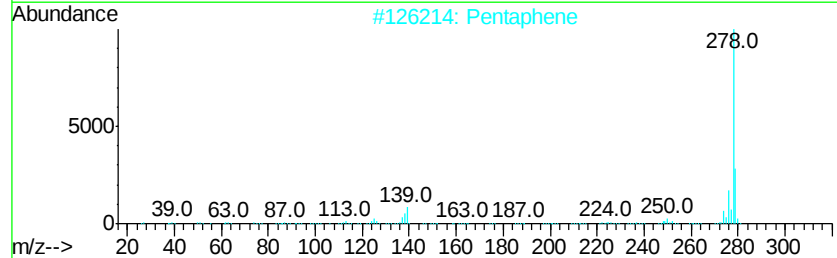
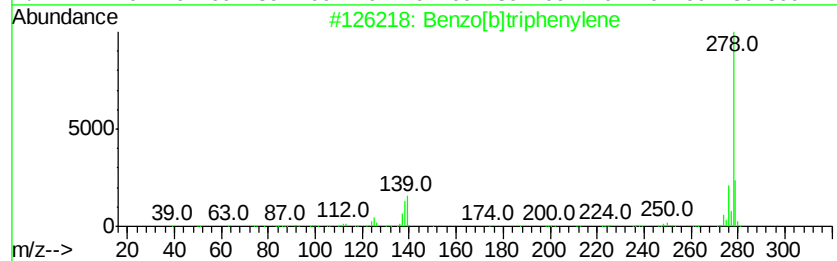
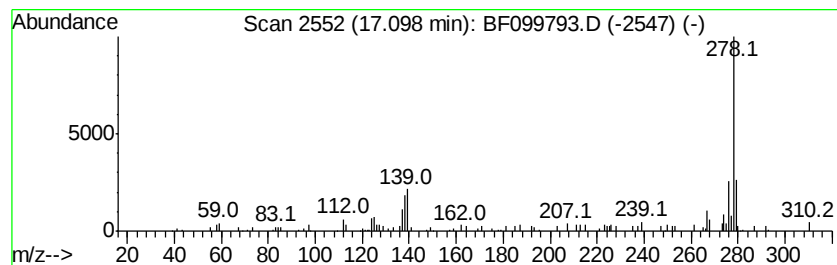
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Benzo[b]triphenylene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.10	3.44 ng	81752	Perylene-d12	15.45

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[b]triphenylene	278	C22H14	000215-58-7	93
2			Pentaphene	278	C22H14	000222-93-5	93
3			Dibenz[a,h]anthracene	278	C22H14	000053-70-3	93
4			Picene	278	C22H14	000213-46-7	86
5			Benzo[a]naphthacene	278	C22H14	000226-88-0	81



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102417\
Data File : BF099793.D
Acq On : 24 Oct 2017 17:35
Operator : SJ/JU
Sample : I5956-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EPE-120-1(10-12)

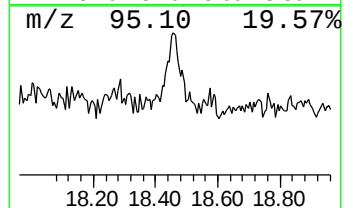
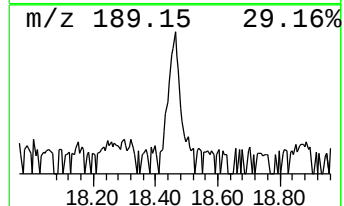
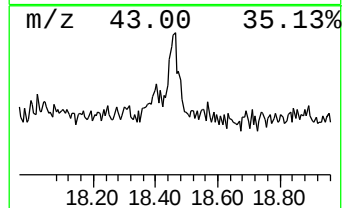
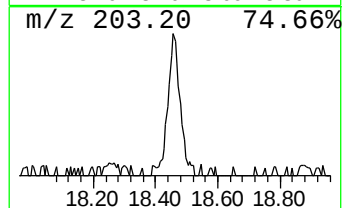
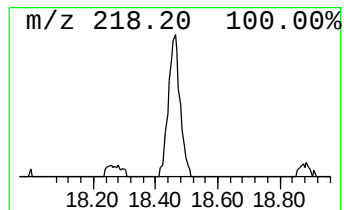
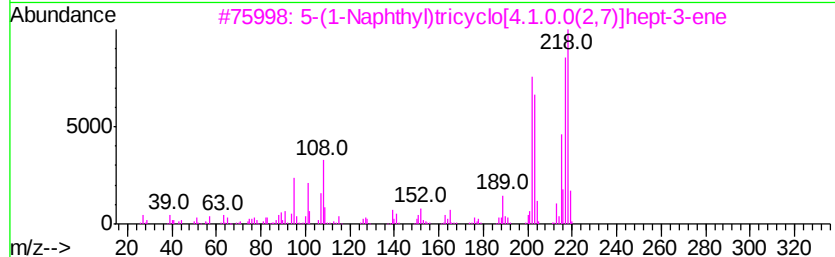
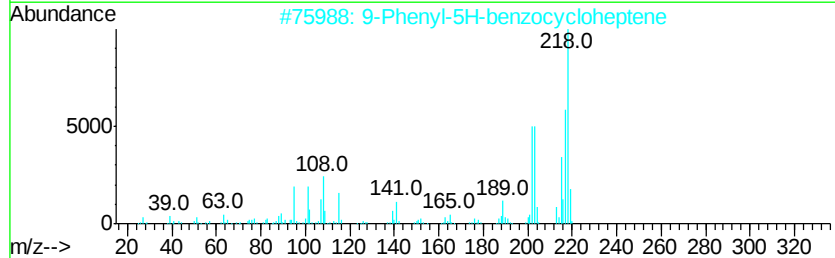
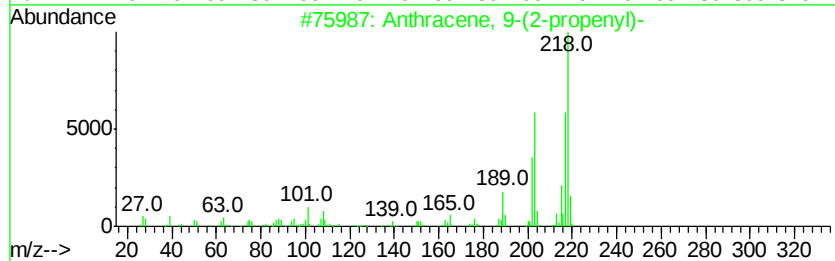
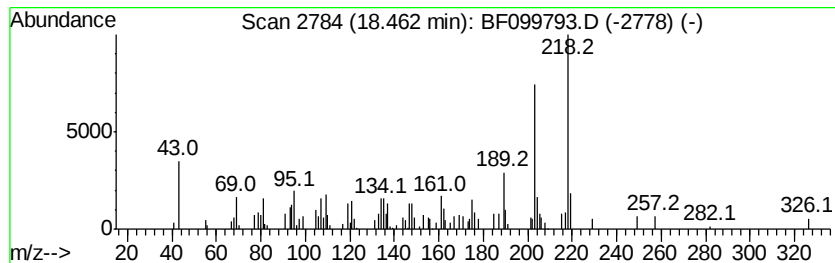
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Anthracene, 9-(2-propenyl)- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.46	6.02 ng	143263	Perylene-d12	15.45

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Anthracene, 9-(2-propenyl)-	218	C17H14	023707-65-5	87
2			9-Phenyl-5H-benzocycloheptene	218	C17H14	138089-71-1	80
3			5-(1-Naphthyl)tricyclo[4.1.0.0(2...]	218	C17H14	107729-05-5	80
4			3a-Methyl-3,3a-dihydroperrolo[3,...]	218	C11H10N2OS	017163-68-7	64
5			1,2,3,4-Tetrahydro-1-phenyl-1,2,...	218	C17H14	138089-69-7	64



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102417\
 Data File : BF099793.D
 Acq On : 24 Oct 2017 17:35
 Operator : SJ/JU
 Sample : I5956-05
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EPE-120-1(10-12)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.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...	5.03	14.9	ng	384784	1	6.80	516864	20.0
unknown6.58	6.58	89.5	ng	2313440	1	6.80	516864	20.0
Benzophenone	10.56	5.5	ng	207010	3	9.84	751324	20.0
Phenol, 4-(2-phen...	11.18	3.5	ng	127704	4	11.33	741023	20.0
Phenanthrene, 2-m...	11.83	7.0	ng	260859	4	11.33	741023	20.0
Phenanthrene, 1-m...	11.94	6.3	ng	232599	4	11.33	741023	20.0
Anthracene, 1-met...	11.97	4.5	ng	165427	4	11.33	741023	20.0
Naphthalene, 2-ph...	12.13	4.3	ng	160165	4	11.33	741023	20.0
Phenanthrene, 2,5...	12.38	5.4	ng	198449	4	11.33	741023	20.0
Cyclopenta(def)ph...	12.48	5.5	ng	202794	4	11.33	741023	20.0
Pyrene, 1-methyl-	13.00	4.4	ng	243713	5	13.98	1114910	20.0
Trifluoroacetoxy ...	13.80	4.9	ng	273016	5	13.98	1114910	20.0
Heneicosane	15.84	6.9	ng	163372	6	15.45	475584	20.0
Benzo[b]triphenylene	17.10	3.4	ng	81752	6	15.45	475584	20.0
Anthracene, 9-(2-...	18.46	6.0	ng	143263	6	15.45	475584	20.0