

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092017\
 Data File : BF098670.D
 Acq On : 20 Sep 2017 19:56
 Operator : SJ/JU
 Sample : I5285-02
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CSTP-2

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

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

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF091117.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	3.522	239	244	253	rVB2	21060	37313	1.47%	0.085%
2	4.134	346	348	361	rBV	43629	79905	3.16%	0.182%
3	4.798	458	461	480	rBV	273977	425577	16.81%	0.969%
4	5.234	531	535	549	rBV	2359317	2388575	94.35%	5.436%
5	6.275	708	712	715	rBV	2277388	2283885	90.22%	5.198%
6	6.392	728	732	740	rVB	2919164	2478091	97.89%	5.640%
7	6.616	767	770	779	rVB	717100	640081	25.28%	1.457%
8	6.775	793	797	808	rBV	2058197	1781385	70.37%	4.054%
9	7.192	863	868	871	rBV	1631449	1468717	58.02%	3.343%
10	7.904	985	989	992	rBV	945942	854783	33.76%	1.945%
11	8.980	1167	1172	1175	rBV	2925991	2401301	94.85%	5.465%
12	9.316	1224	1229	1231	rBV	57174	55265	2.18%	0.126%
13	9.380	1237	1240	1243	rVV	154807	130520	5.16%	0.297%
14	9.516	1260	1263	1266	rVB	45971	39064	1.54%	0.089%
15	9.651	1280	1286	1289	rBV	999300	894966	35.35%	2.037%
16	9.686	1289	1292	1297	rVB	252899	241281	9.53%	0.549%
17	9.857	1317	1321	1325	rVV	92336	84295	3.33%	0.192%
18	10.063	1351	1356	1357	rBV3	32380	40242	1.59%	0.092%
19	10.198	1375	1379	1384	rVB2	166156	156795	6.19%	0.357%
20	10.357	1403	1406	1410	rVB2	79089	82401	3.25%	0.188%
21	10.445	1417	1421	1427	rBV	1457924	1284900	50.75%	2.924%
22	10.569	1438	1442	1448	rVB5	45773	78695	3.11%	0.179%
23	10.751	1466	1473	1475	rBV3	58973	93395	3.69%	0.213%
24	10.874	1489	1494	1496	rBV2	57798	75217	2.97%	0.171%
25	10.898	1496	1498	1500	rVV2	64455	57257	2.26%	0.130%
26	10.951	1503	1507	1510	rVV	91179	86234	3.41%	0.196%
27	10.992	1510	1514	1518	rVV3	82108	123740	4.89%	0.282%
28	11.033	1518	1521	1526	rVB	112163	116570	4.60%	0.265%
29	11.139	1535	1539	1540	rBV	730575	728478	28.78%	1.658%
30	11.163	1540	1543	1546	rVV	2333942	1897934	74.97%	4.320%
31	11.210	1546	1551	1555	rVV	495085	463971	18.33%	1.056%
32	11.251	1555	1558	1563	rVB2	45592	65743	2.60%	0.150%
33	11.374	1574	1579	1586	rBV2	125273	189718	7.49%	0.432%
34	11.427	1586	1588	1591	rBV2	79414	70304	2.78%	0.160%

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092017\
 Data File : BF098670.D
 Acq On : 20 Sep 2017 19:56
 Operator : SJ/JU
 Sample : I5285-02
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CSTP-2

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

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

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

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF091117.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.639	1620	1624	1626	rBV	261221	253054	10.00%	0.576%
36	11.663	1626	1628	1633	rVB	332557	309455	12.22%	0.704%
37	11.715	1633	1637	1639	rBV	146389	140562	5.55%	0.320%
38	11.745	1639	1642	1645	rBV	390504	414443	16.37%	0.943%
39	11.768	1645	1646	1652	rVB	215630	159225	6.29%	0.362%
40	11.821	1652	1655	1657	rBV2	41441	44360	1.75%	0.101%
41	11.933	1671	1674	1676	rVB	188307	152953	6.04%	0.348%
42	11.968	1677	1680	1683	rVB2	137093	121195	4.79%	0.276%
43	12.080	1694	1699	1702	rBV2	91653	120988	4.78%	0.275%
44	12.115	1702	1705	1707	rBV	46634	43587	1.72%	0.099%
45	12.186	1713	1717	1720	rBV	158365	168717	6.66%	0.384%
46	12.227	1720	1724	1726	rVV3	84084	114343	4.52%	0.260%
47	12.280	1729	1733	1736	rBV2	135438	146345	5.78%	0.333%
48	12.351	1740	1745	1748	rBV	2594565	2314814	91.44%	5.268%
49	12.415	1754	1756	1759	rVB3	58503	47965	1.89%	0.109%
50	12.498	1766	1770	1773	rBV2	121931	125263	4.95%	0.285%
51	12.580	1777	1784	1787	rVV	2411159	2531602	100.00%	5.762%
52	12.627	1789	1792	1797	rVB2	120102	153557	6.07%	0.349%
53	12.721	1804	1808	1810	rBV	1585620	1297737	51.26%	2.954%
54	12.739	1810	1811	1814	rVB	127885	88281	3.49%	0.201%
55	12.798	1816	1821	1825	rBV3	140823	236166	9.33%	0.537%
56	12.851	1828	1830	1832	rVB	56980	41713	1.65%	0.095%
57	12.880	1832	1835	1836	rBV2	105121	105419	4.16%	0.240%
58	12.904	1837	1839	1842	rVB	253238	226739	8.96%	0.516%
59	12.968	1842	1850	1853	rBV	148130	209581	8.28%	0.477%
60	13.010	1853	1857	1864	rVB3	224694	323804	12.79%	0.737%
61	13.098	1870	1872	1875	rBV	119280	118338	4.67%	0.269%
62	13.133	1875	1878	1887	rVB2	163297	227379	8.98%	0.517%
63	13.221	1891	1893	1896	rVB2	57013	47741	1.89%	0.109%
64	13.292	1901	1905	1909	rBV7	41111	92081	3.64%	0.210%
65	13.392	1919	1922	1924	rBV3	31675	39481	1.56%	0.090%
66	13.421	1924	1927	1930	rBV	174156	158076	6.24%	0.360%
67	13.521	1941	1944	1946	rVV	162918	170288	6.73%	0.388%
68	13.545	1946	1948	1951	rVV	188616	186675	7.37%	0.425%
69	13.574	1951	1953	1955	rVV	168172	166103	6.56%	0.378%
70	13.627	1959	1962	1968	rVB	225737	245568	9.70%	0.559%
71	13.768	1979	1986	1990	rBV2	1345123	2098816	82.90%	4.777%

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092017\
 Data File : BF098670.D
 Acq On : 20 Sep 2017 19:56
 Operator : SJ/JU
 Sample : I5285-02
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CSTP-2

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

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

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF091117.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.804	1990	1992	1995	rVB	999240	801645	31.67%	1.824%
73	13.880	2002	2005	2008	rVB	172017	142183	5.62%	0.324%
74	13.939	2011	2015	2019	rBV4	58473	114418	4.52%	0.260%
75	13.974	2019	2021	2022	rVV	56564	45751	1.81%	0.104%
76	14.009	2025	2027	2030	rVB	85563	68003	2.69%	0.155%
77	14.127	2044	2047	2049	rVV2	79411	86702	3.42%	0.197%
78	14.162	2050	2053	2056	rVV	269612	266956	10.54%	0.608%
79	14.192	2056	2058	2061	rVV	125739	126777	5.01%	0.289%
80	14.239	2063	2066	2068	rVV3	95568	132963	5.25%	0.303%
81	14.286	2071	2074	2076	rVV	125272	145500	5.75%	0.331%
82	14.304	2076	2077	2080	rVV	107006	84908	3.35%	0.193%
83	14.357	2084	2086	2092	rVB2	79295	88013	3.48%	0.200%
84	14.486	2104	2108	2112	rBV3	99360	154376	6.10%	0.351%
85	14.639	2131	2134	2137	rBV	138073	120331	4.75%	0.274%
86	14.786	2154	2159	2168	rBV	944859	1707859	67.46%	3.887%
87	14.886	2172	2176	2180	rBV	161563	180601	7.13%	0.411%
88	14.962	2186	2189	2191	rBV2	62116	95556	3.77%	0.217%
89	15.056	2201	2205	2212	rBV	549725	670446	26.48%	1.526%
90	15.121	2212	2216	2220	rVV	852736	947345	37.42%	2.156%
91	15.174	2221	2225	2227	rVV	502494	549947	21.72%	1.252%
92	15.204	2227	2230	2237	rVV2	242856	359334	14.19%	0.818%
93	15.268	2239	2241	2248	rVB6	71030	90150	3.56%	0.205%
94	15.568	2288	2292	2295	rBV3	57697	97745	3.86%	0.222%
95	16.503	2445	2451	2460	rBV	284556	539494	21.31%	1.228%
96	16.656	2472	2477	2482	rBV	61631	122033	4.82%	0.278%
97	16.709	2482	2486	2494	rVB2	47817	97823	3.86%	0.223%
98	16.903	2513	2519	2528	rVB	228859	485296	19.17%	1.104%
99	17.127	2552	2557	2566	rVB3	64121	157027	6.20%	0.357%
100	18.927	2857	2863	2877	rVB3	40330	120540	4.76%	0.274%

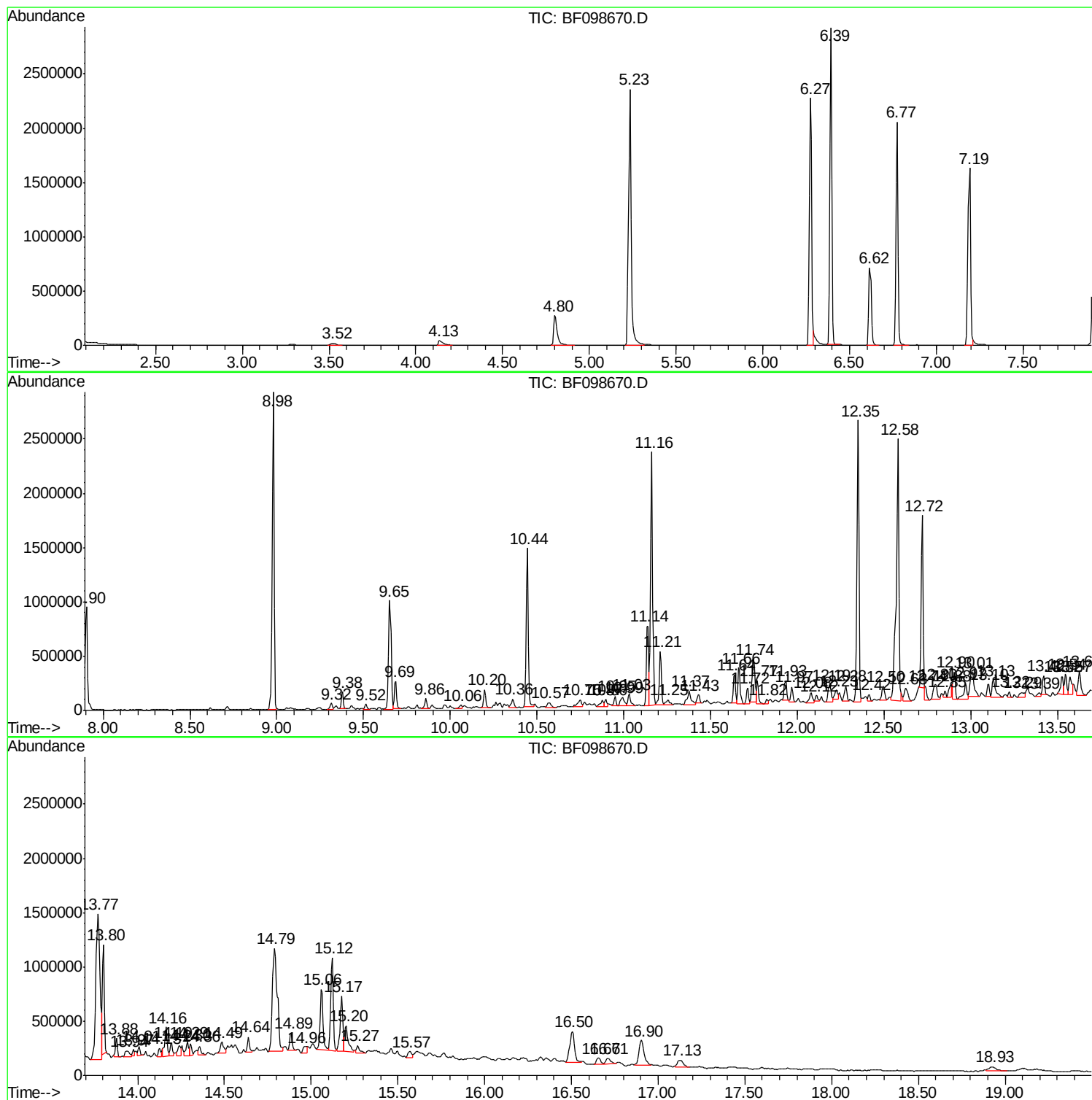
Sum of corrected areas: 43938734

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092017\
Data File : BF098670.D
Acq On : 20 Sep 2017 19:56
Operator : SJ/JU
Sample : I5285-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampled :
CSTP-2

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF091117.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\BF092017\
Data File : BF098670.D
Acq On : 20 Sep 2017 19:56
Operator : SJ/JU
Sample : I5285-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CSTP-2

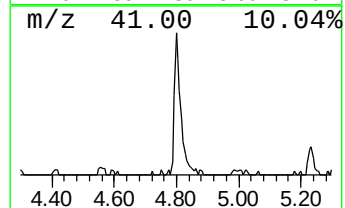
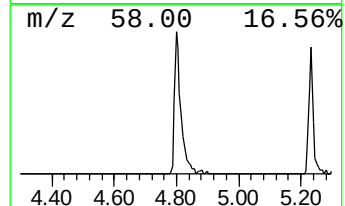
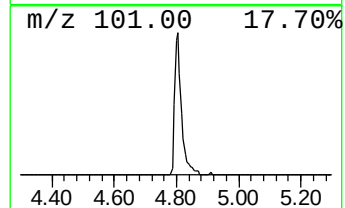
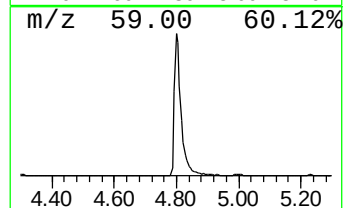
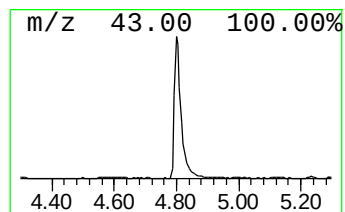
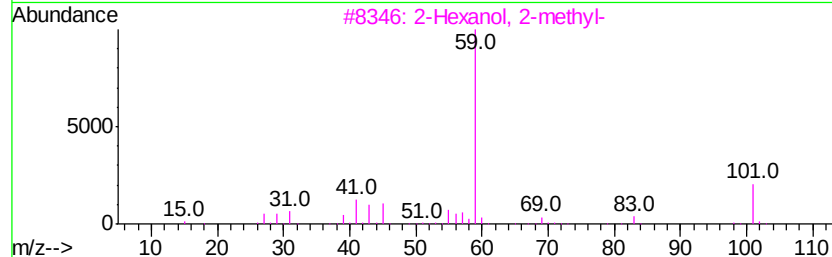
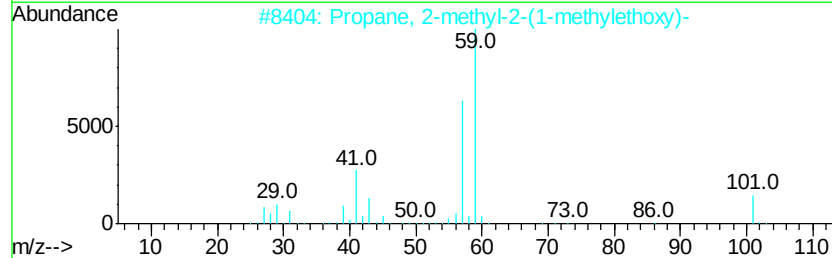
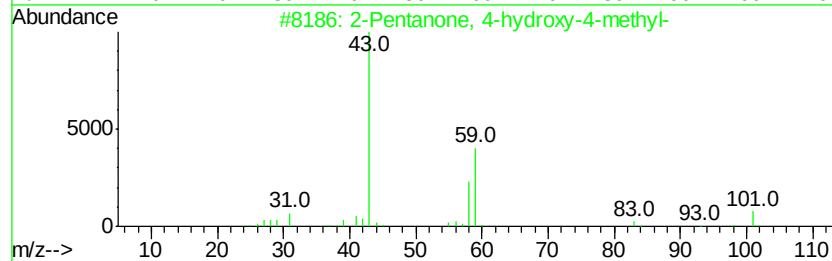
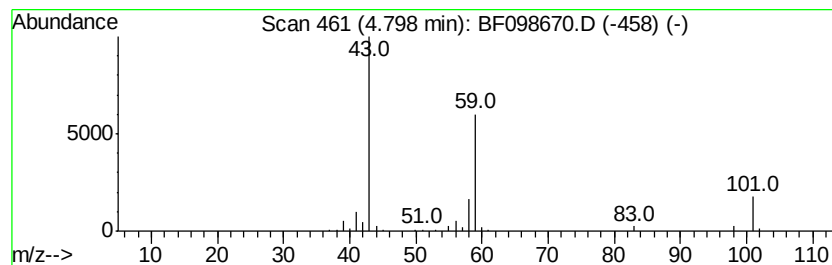
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF091117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.80	13.30 ng	425577	1,4-Dichlorobenzene-d4	6.62

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50	
2	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	42	
3	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	33	
4	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33	
5	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	32	



Data Path : Z:\HPCHEM1\BNA F\DATA\BF092017\
Data File : BF098670.D
Acq On : 20 Sep 2017 19:56
Operator : SJ/JU
Sample : I5285-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CSTP-2

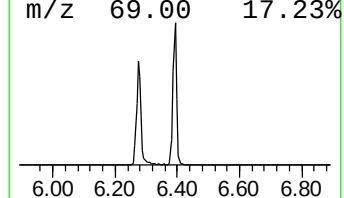
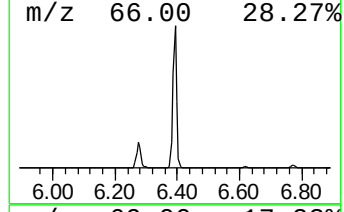
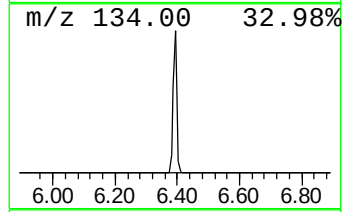
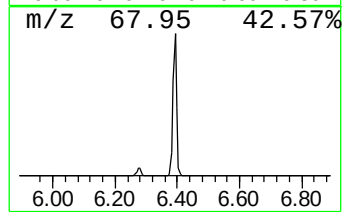
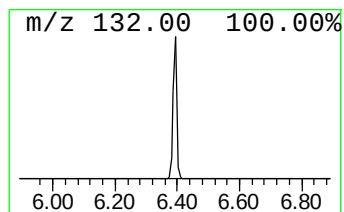
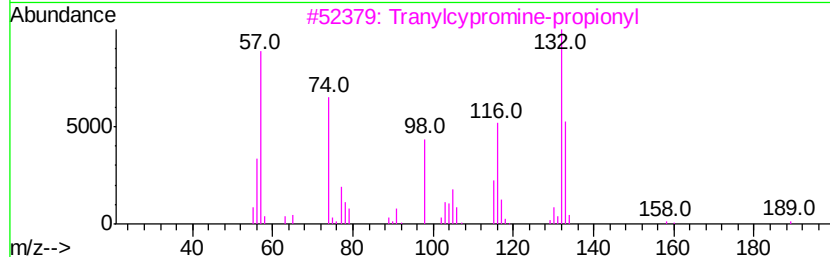
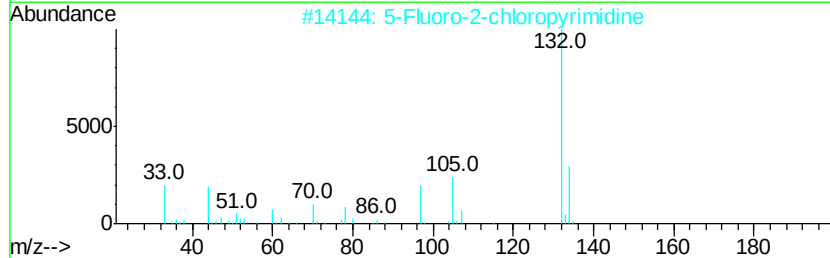
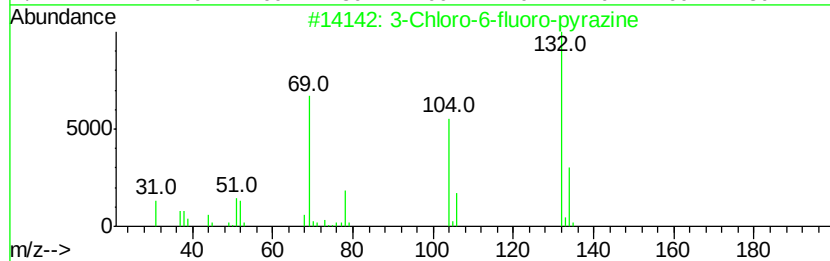
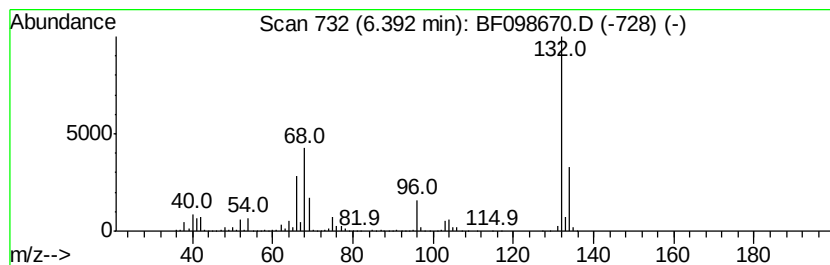
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF091117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 unknown6.39 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.39	77.43 ng	2478090	1,4-Dichlorobenzene-d4	6.62

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		Tranvlcypropine-propionyl	189	C12H15NO	1000123-86-3	10
4		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	9
5		4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092017\
Data File : BF098670.D
Acq On : 20 Sep 2017 19:56
Operator : SJ/JU
Sample : I5285-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

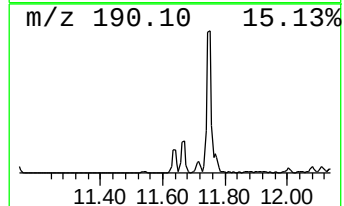
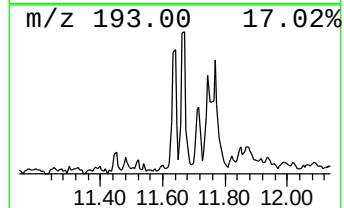
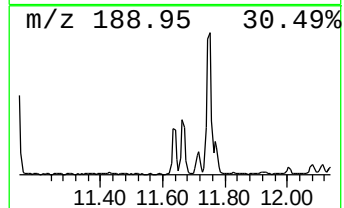
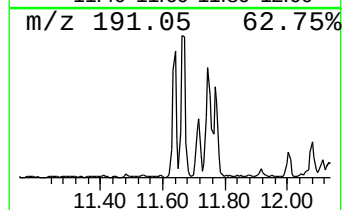
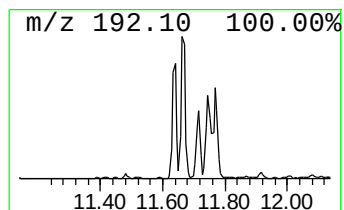
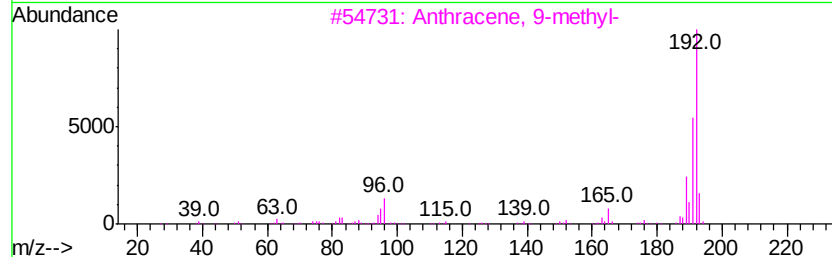
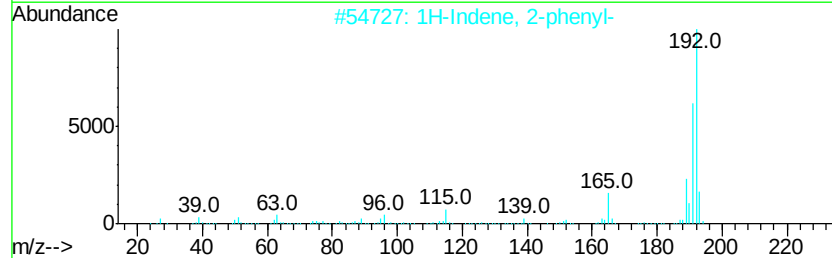
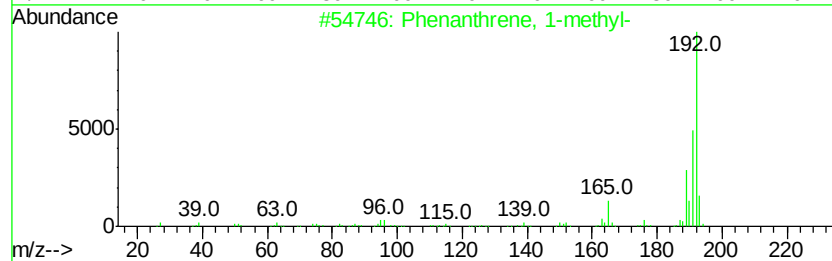
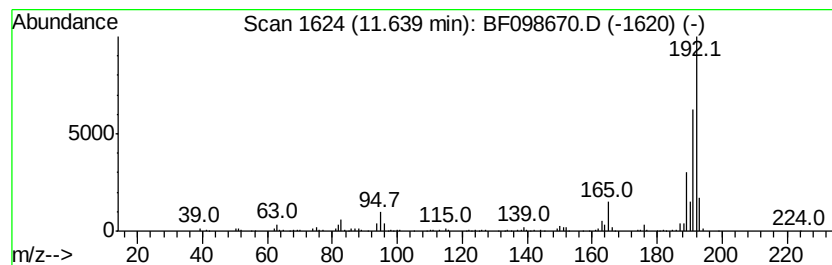
Instrument :
BNA_F
ClientSampleId :
CSTP-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF091117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Phenanthrene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.64	6.95 ng	253054	Phenanthrene-d10	11.14	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
5	1H-Cyclopropa[l]phenanthrene, 1a, ...	192	C15H12	000949-41-7	94



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092017\
Data File : BF098670.D
Acq On : 20 Sep 2017 19:56
Operator : SJ/JU
Sample : I5285-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

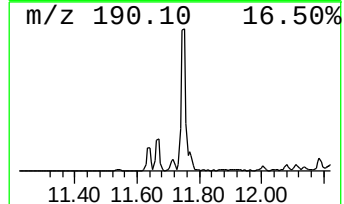
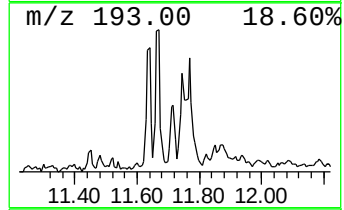
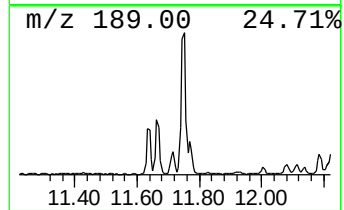
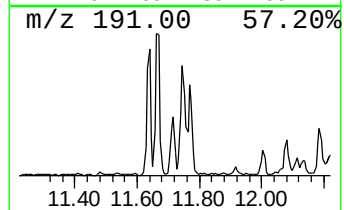
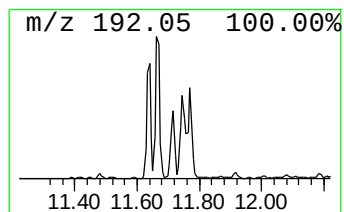
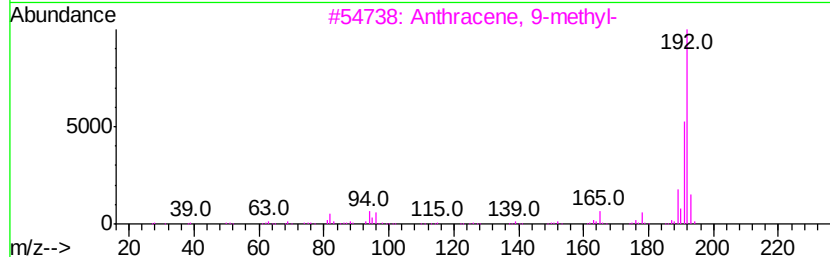
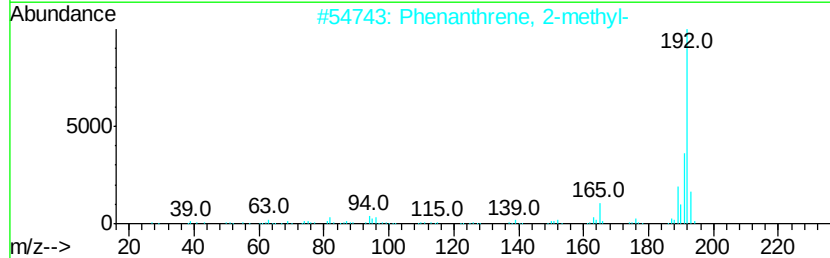
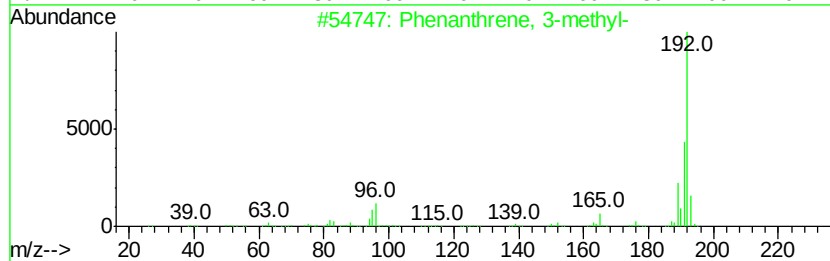
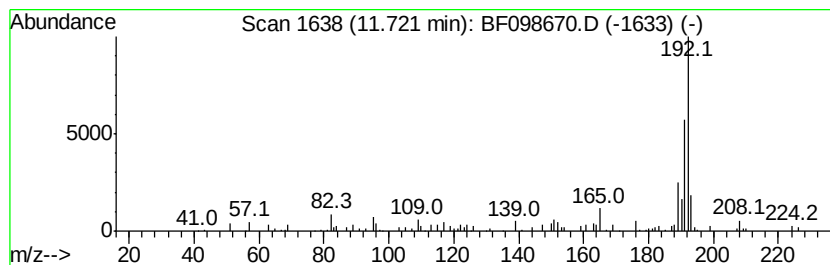
Instrument :
BNA_F
ClientSampleId :
CSTP-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF091117.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, 3-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.72	3.86 ng	140562	Phenanthrene-d10	11.14	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	94
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93
5	Phenanthrene, 9-methyl-	192	C15H12	000883-20-5	93



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092017\
Data File : BF098670.D
Acq On : 20 Sep 2017 19:56
Operator : SJ/JU
Sample : I5285-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CSTP-2

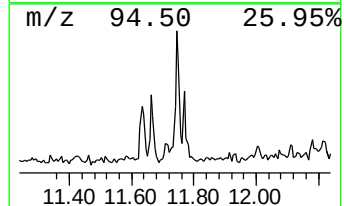
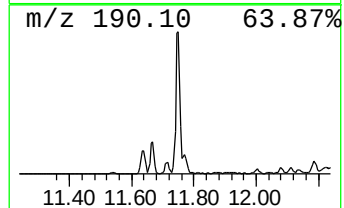
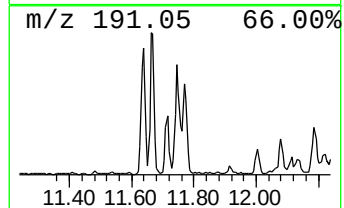
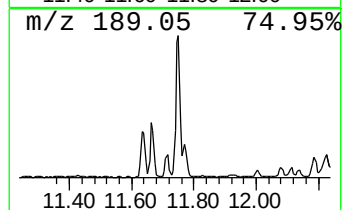
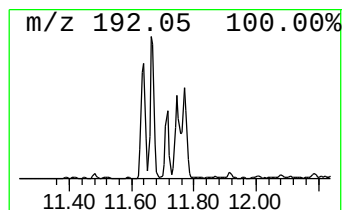
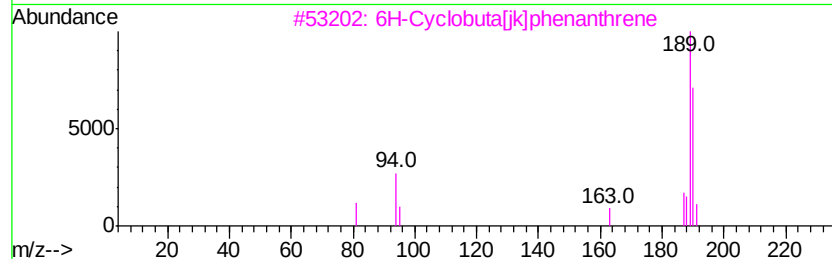
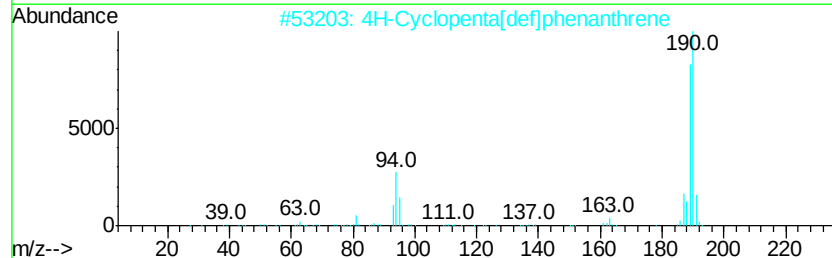
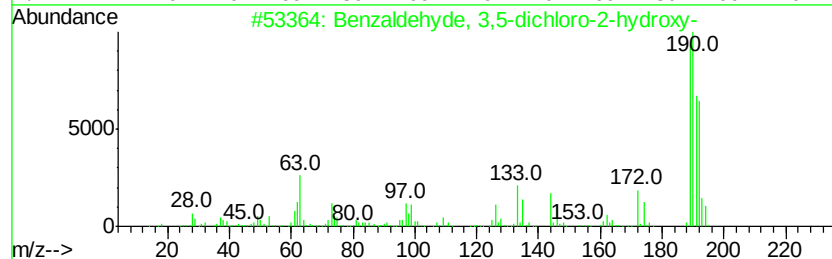
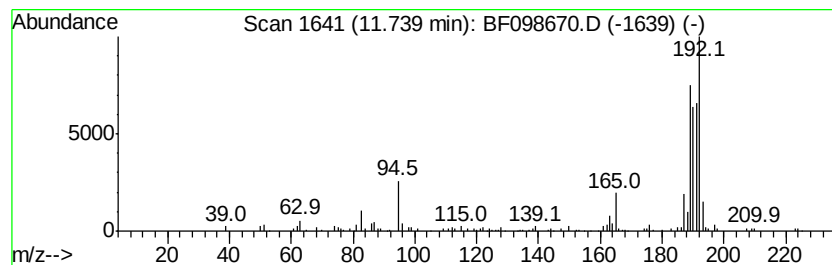
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF091117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Benzaldehyde, 3,5-dichloro-... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.74	11.38 ng	414443	Phenanthrene-d10	11.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	72
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
3	6H-Cyclobuta[f]kphenanthrene	190	C15H10	083469-43-6	49
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	42
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	38



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092017\
Data File : BF098670.D
Acq On : 20 Sep 2017 19:56
Operator : SJ/JU
Sample : I5285-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CSTP-2

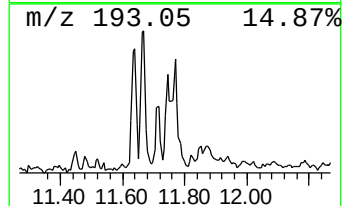
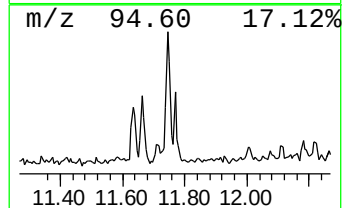
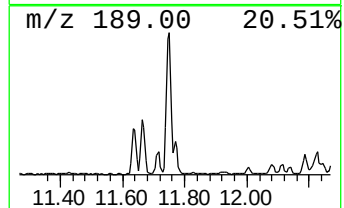
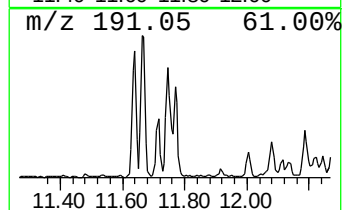
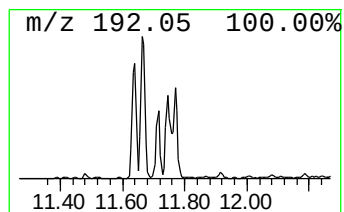
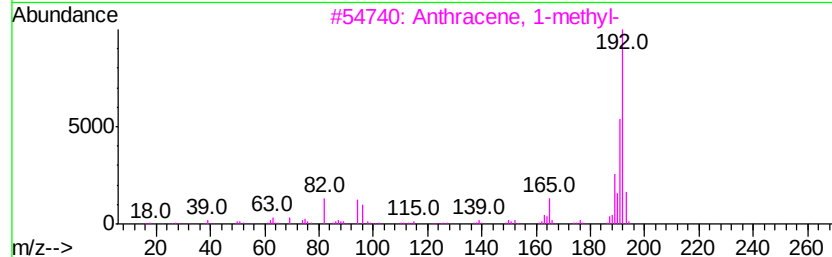
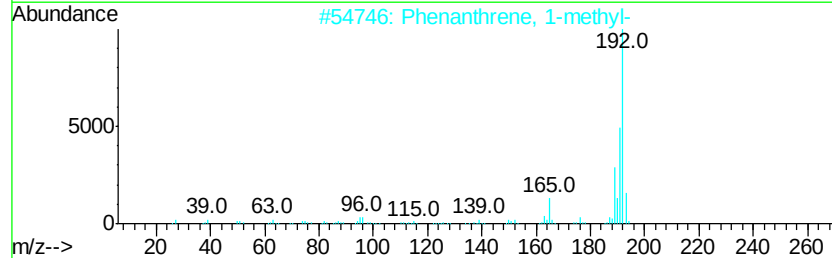
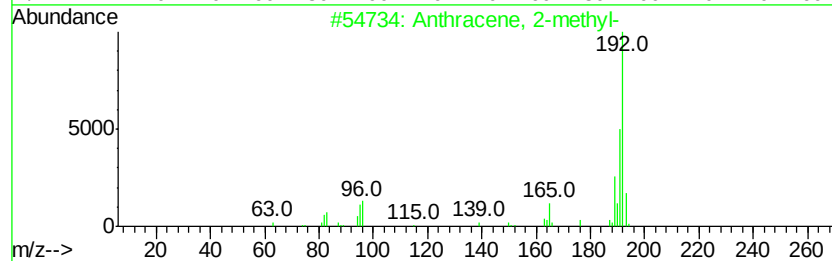
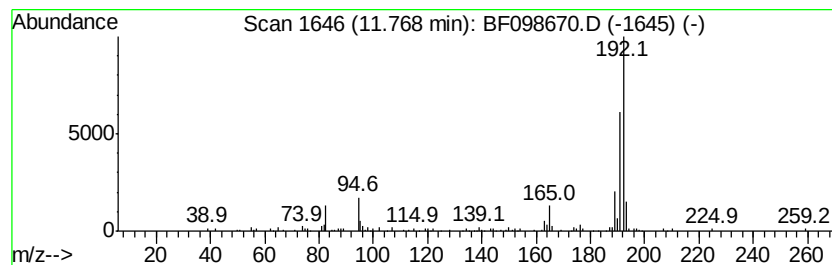
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF091117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Anthracene, 2-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.77	4.37 ng	159225	Phenanthrene-d10	11.14

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
2		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	83
3		Anthracene, 1-methyl-	192	C15H12	000610-48-0	81
4		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	81
5		Propyne, 1,3-diphenyl-	192	C15H12	004980-70-5	81



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092017\
Data File : BF098670.D
Acq On : 20 Sep 2017 19:56
Operator : SJ/JU
Sample : I5285-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CSTP-2

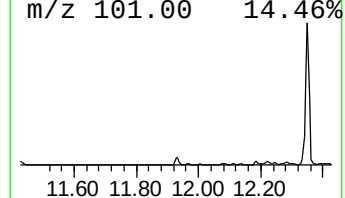
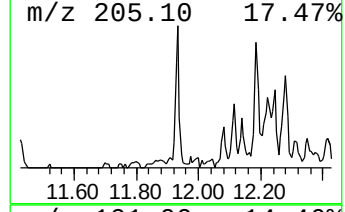
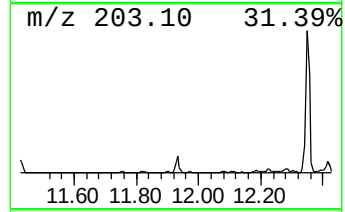
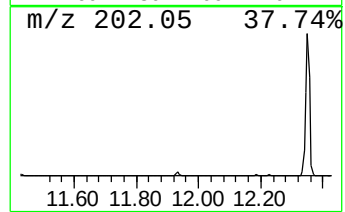
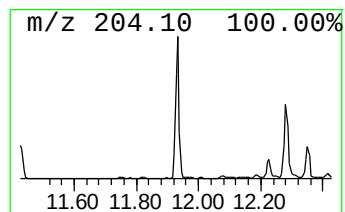
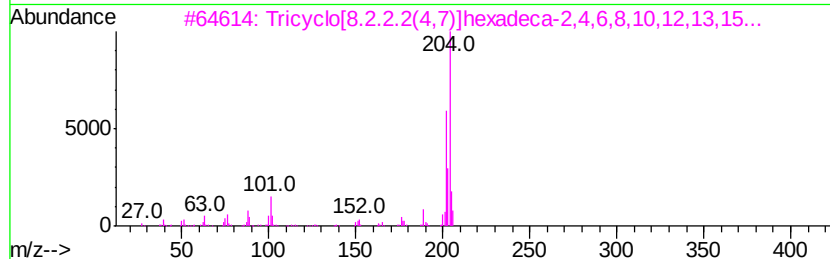
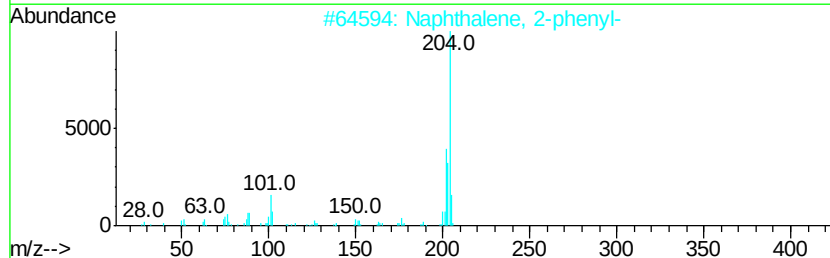
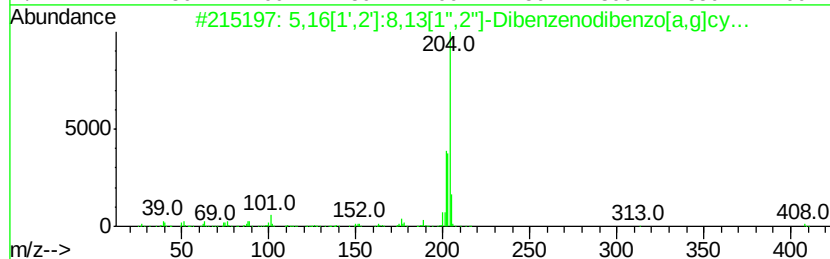
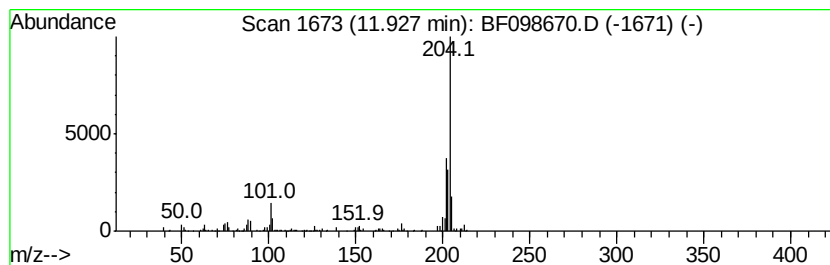
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF091117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.93	4.20 ng	152953	Phenanthrene-d10	11.14

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	91
2		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	89
3		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	74
4		Levamisole	204	C11H12N2S	014769-73-4	64
5		Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	58



Data Path : Z:\HPCHEM1\BNA F\DATA\BF092017\
Data File : BF098670.D
Acq On : 20 Sep 2017 19:56
Operator : SJ/JU
Sample : I5285-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CSTP-2

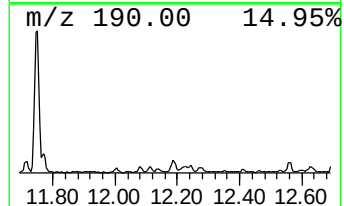
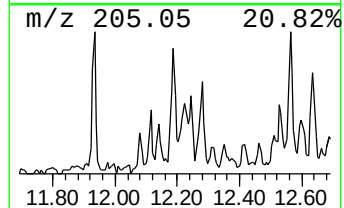
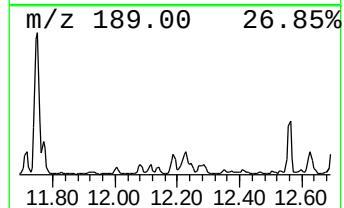
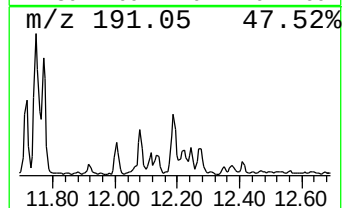
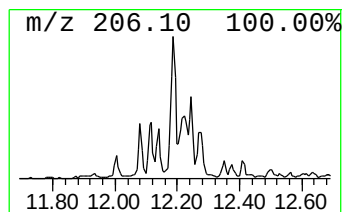
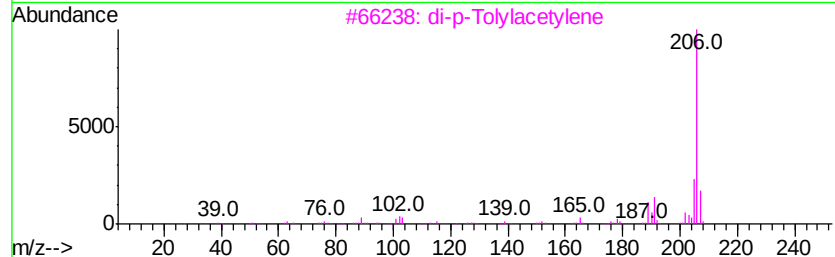
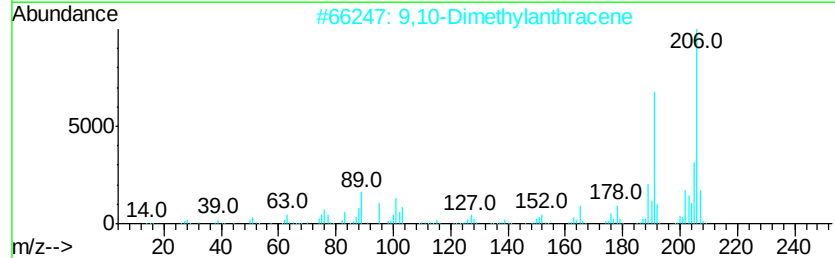
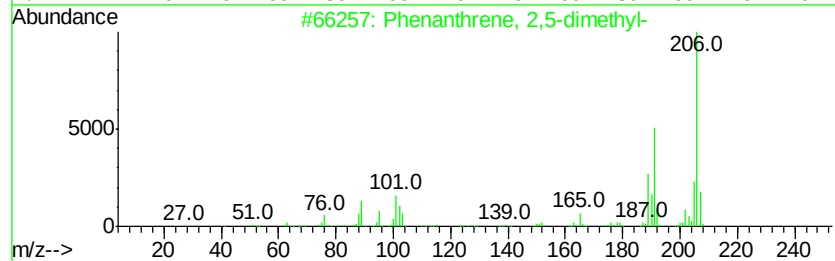
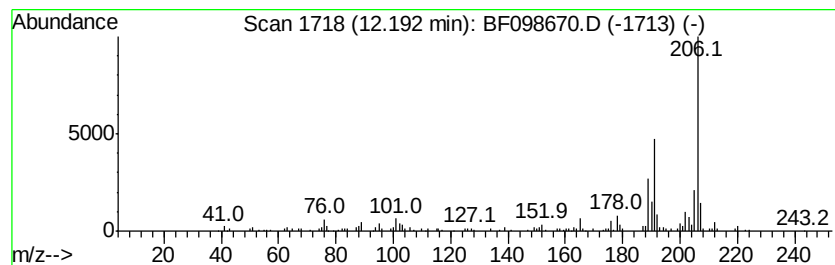
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF091117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Phenanthrene, 2,5-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.19	4.63 ng	168717	Phenanthrene-d10	11.14

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2			9,10-Dimethylantracene	206	C16H14	000781-43-1	91
3			di-p-Tolylacetylene	206	C16H14	002789-88-0	91
4			Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
5			Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87



Data Path : Z:\HPCHEM1\BNA F\DATA\BF092017\
Data File : BF098670.D
Acq On : 20 Sep 2017 19:56
Operator : SJ/JU
Sample : I5285-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CSTP-2

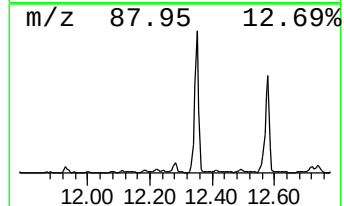
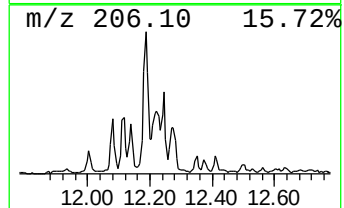
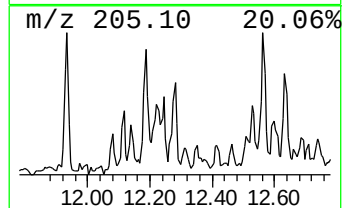
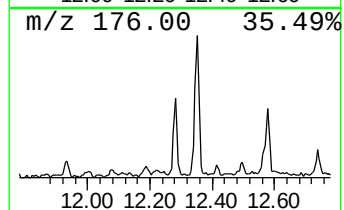
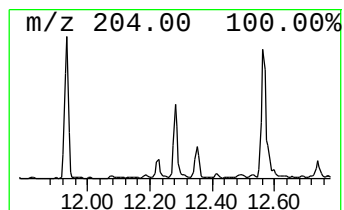
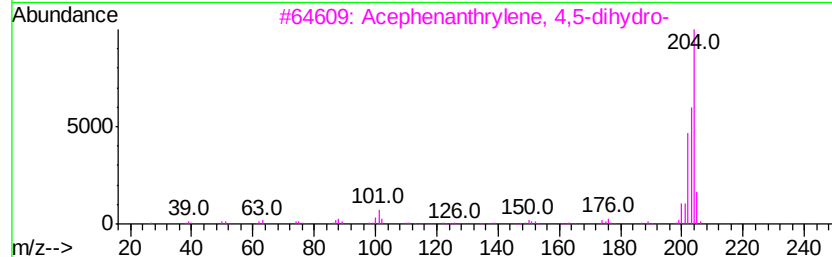
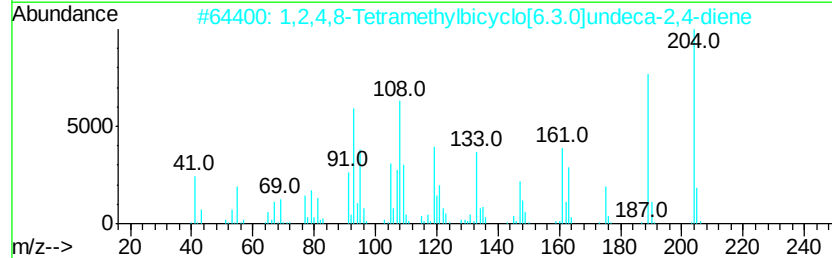
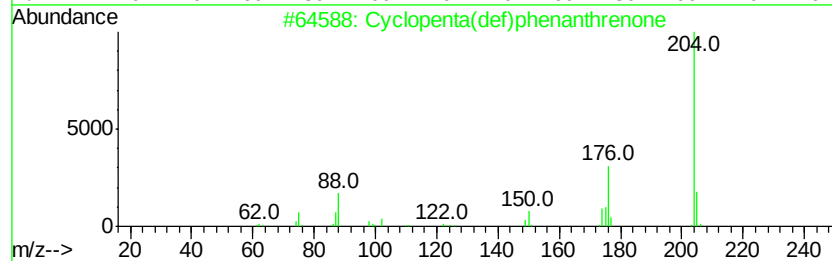
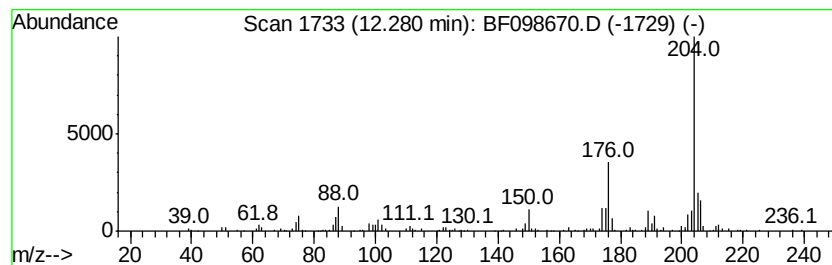
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF091117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Cyclopenta(def)phenanthrenone Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.28	4.02 ng	146345	Phenanthrene-d10	11.14

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	93
2		1,2,4,8-Tetramethylbicyclo[6.3.0]...	204	C15H24	137235-51-9	60
3		Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	47
4		Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	47
5		Pyrene, 4,5-dihydro-	204	C16H12	006628-98-4	43



Data Path : Z:\HPCHEM1\BNA F\DATA\BF092017\
Data File : BF098670.D
Acq On : 20 Sep 2017 19:56
Operator : SJ/JU
Sample : I5285-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CSTP-2

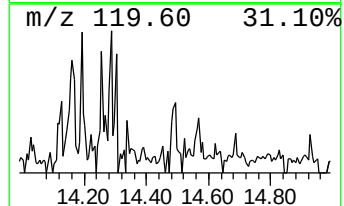
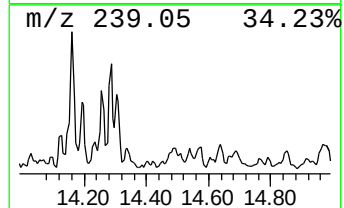
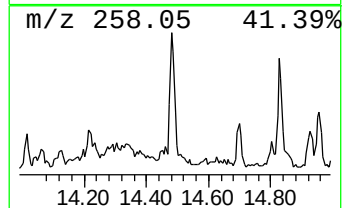
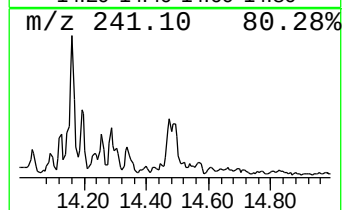
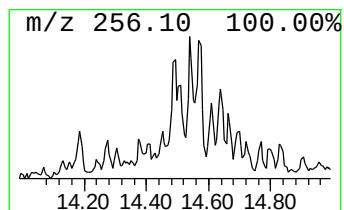
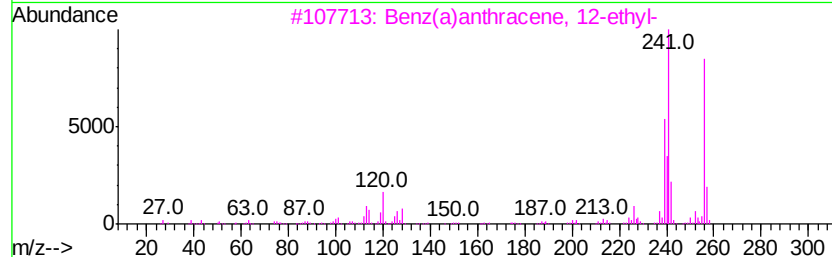
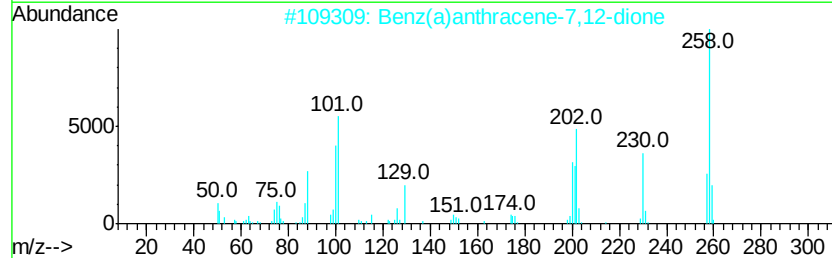
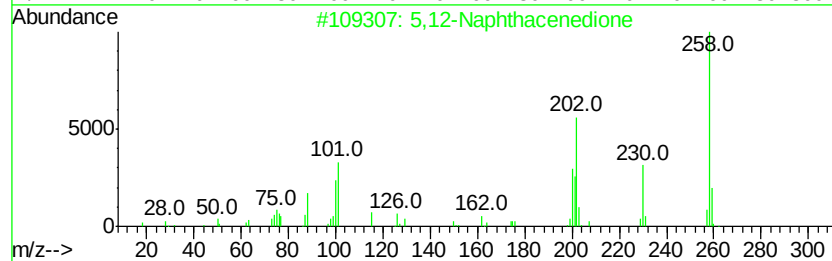
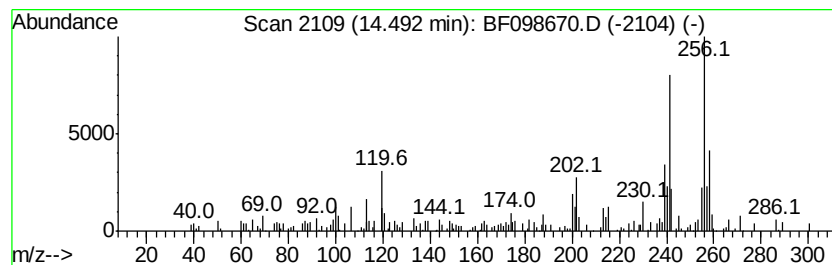
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF091117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 5,12-Naphthacenedione Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.49	5.61 ng	154376	Perylene-d12	15.17

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			5,12-Naphthacenedione	258	C18H10O2	001090-13-7	70
2			Benz(a)anthracene-7,12-dione	258	C18H10O2	002498-66-0	70
3			Benz(a)anthracene, 12-ethyl-	256	C20H16	018868-66-1	51
4			Benz(a)anthracene, 6,12-dimethyl-	256	C20H16	000568-81-0	51
5			Benz[a]anthracene, 1,12-dimethyl-	256	C20H16	000313-74-6	49



Data Path : Z:\HPCHEM1\BNA F\DATA\BF092017\
Data File : BF098670.D
Acq On : 20 Sep 2017 19:56
Operator : SJ/JU
Sample : I5285-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CSTP-2

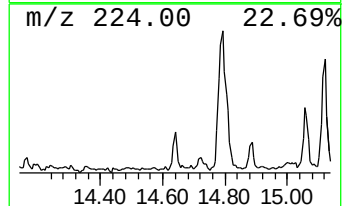
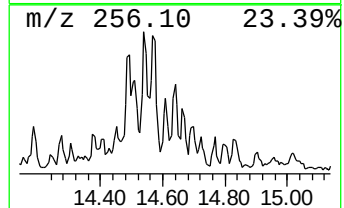
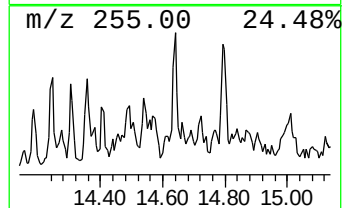
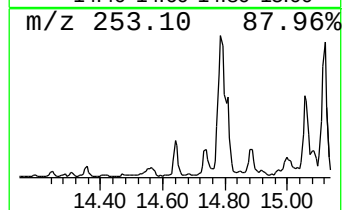
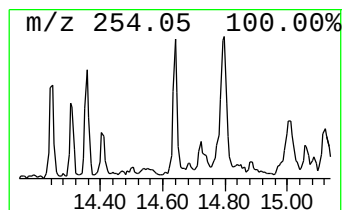
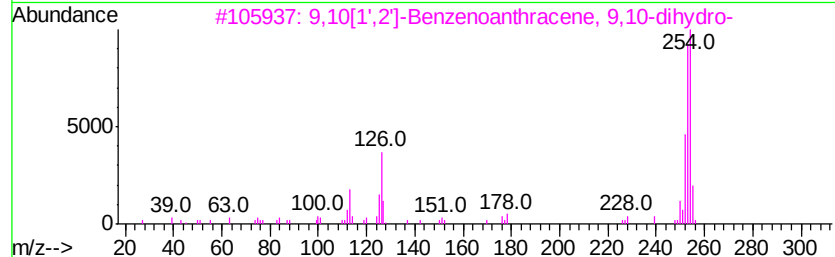
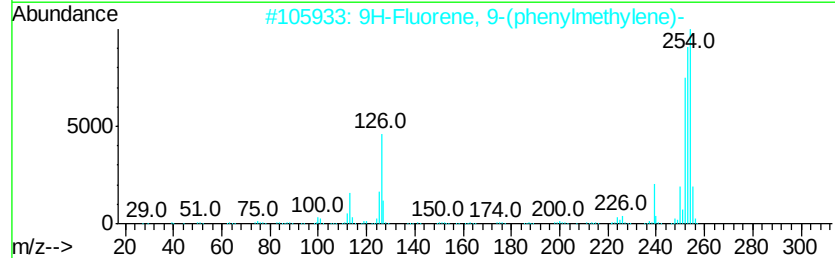
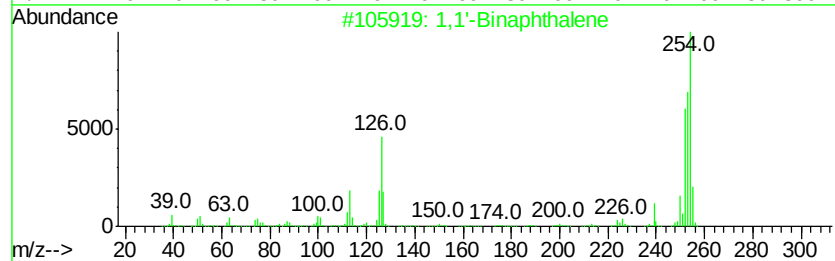
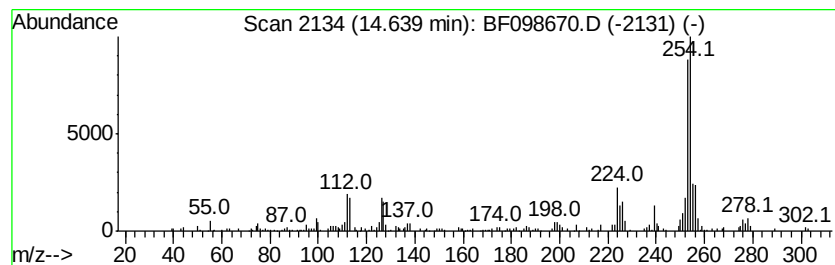
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF091117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 1,1'-Binaphthalene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.64	4.38 ng	120331	Perylene-d12	15.17

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,1'-Binaphthalene	254	C20H14	000604-53-5	76
2		9H-Fluorene, 9-(phenylmethylene)-	254	C20H14	001836-87-9	76
3		9,10[1',2']-Benzenoanthracene, 9...	254	C20H14	000477-75-8	68
4		1,2'-Binaphthalene	254	C20H14	004325-74-0	64
5		Benzo[a]pyrene, 4,5-dihydro-	254	C20H14	057652-66-1	64



Data Path : Z:\HPCHEM1\BNA F\DATA\BF092017\
Data File : BF098670.D
Acq On : 20 Sep 2017 19:56
Operator : SJ/JU
Sample : I5285-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CSTP-2

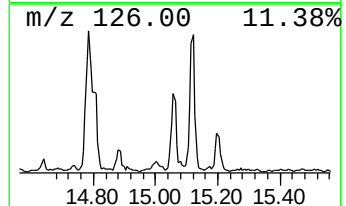
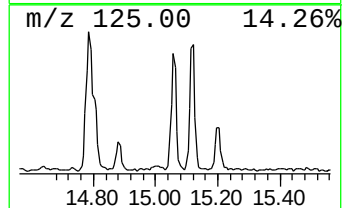
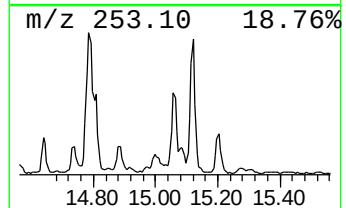
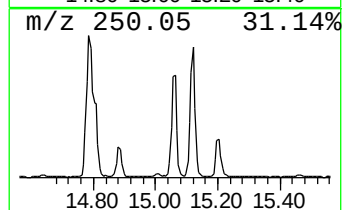
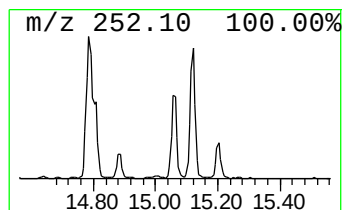
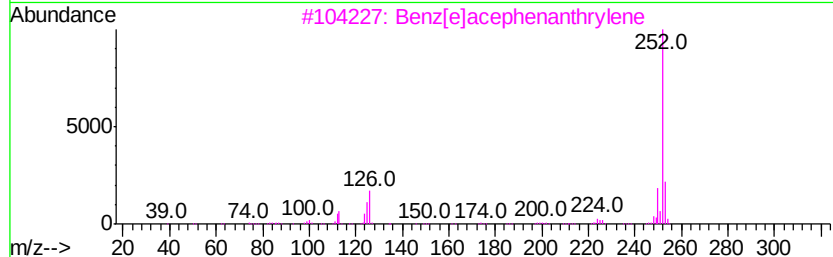
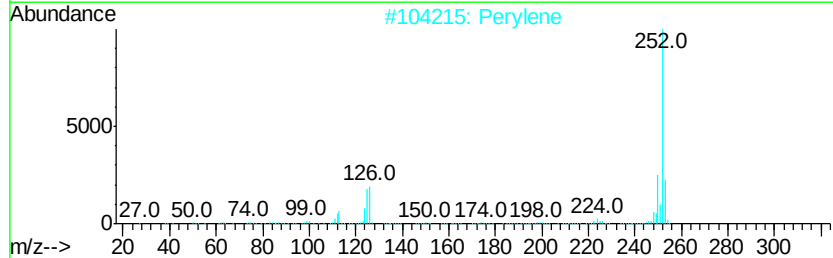
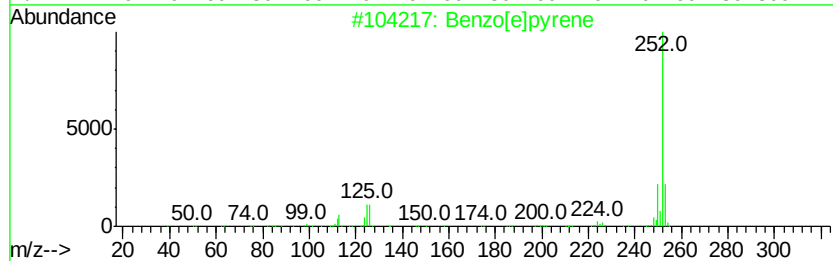
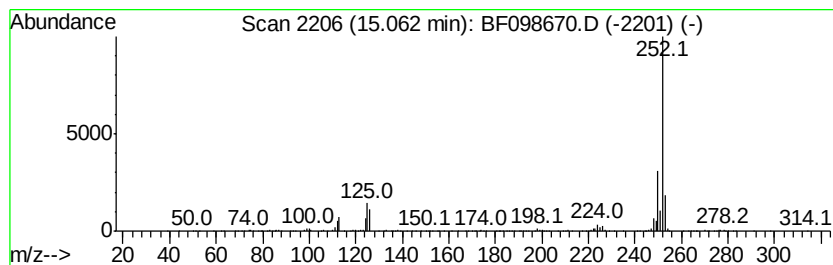
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF091117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.06	24.38 ng	670446	Perylene-d12	15.17

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[e]pyrene	252	C20H12	000192-97-2	97
2		Perylene	252	C20H12	000198-55-0	94
3		Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	90
4		Benzo[i]fluoranthene	252	C20H12	000205-82-3	89
5		Benzo[k]fluoranthene	252	C20H12	000207-08-9	89



Data Path : Z:\HPCHEM1\BNA F\DATA\BF092017\
Data File : BF098670.D
Acq On : 20 Sep 2017 19:56
Operator : SJ/JU
Sample : I5285-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CSTP-2

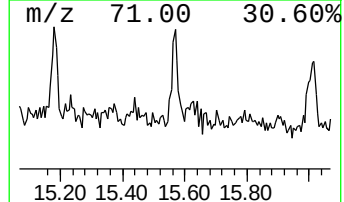
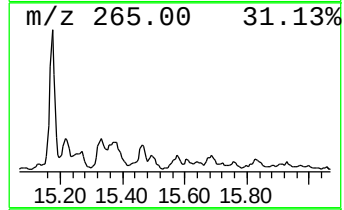
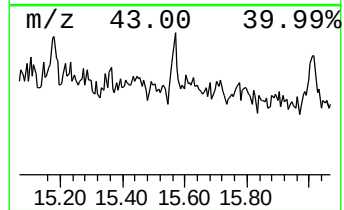
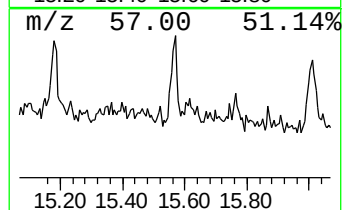
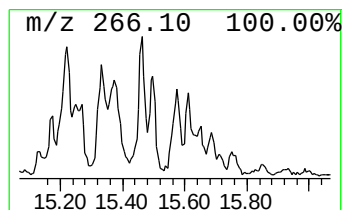
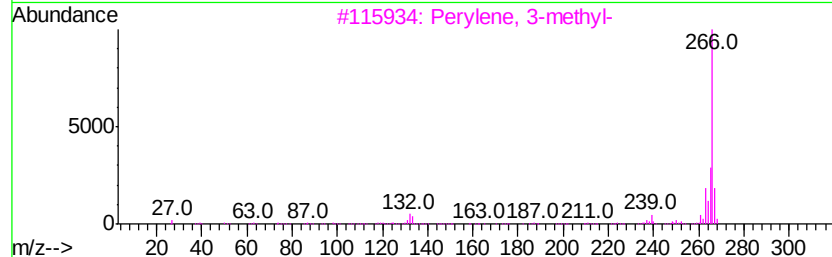
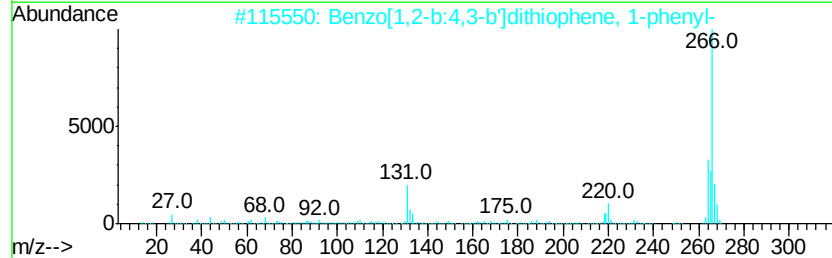
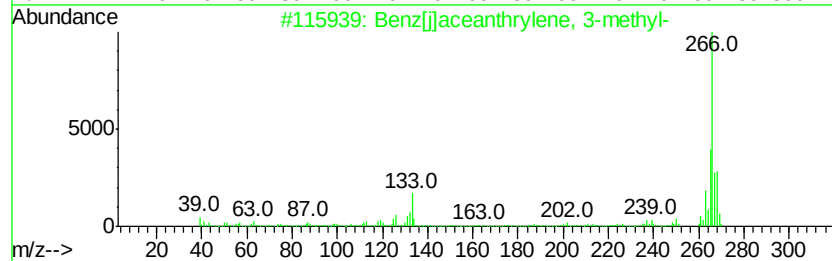
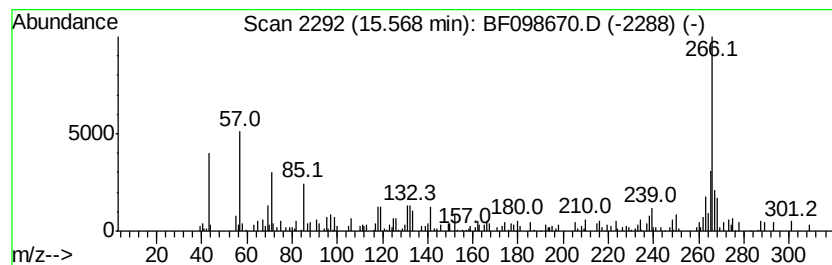
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF091117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Benz[j]aceanthrylene, 3-met... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.57	3.55 ng	97745	Perylene-d12	15.17

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benz[il]aceanthrylene, 3-methyl-	266	C21H14	003343-10-0	68
2		Benzo[1,2-b:4,3-b']dithiophene, ...	266	C16H10S2	016587-58-9	58
3		Perylene, 3-methyl-	266	C21H14	024471-47-4	58
4		2,3-Dihydro-7-methyl-5-phenyl-1H...	266	C16H14N2S	002888-60-0	58
5		10-Methylbenzo(a)pyrene	266	C21H14	063104-32-5	52



Data Path : Z:\HPCHEM1\BNA F\DATA\BF092017\
Data File : BF098670.D
Acq On : 20 Sep 2017 19:56
Operator : SJ/JU
Sample : I5285-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CSTP-2

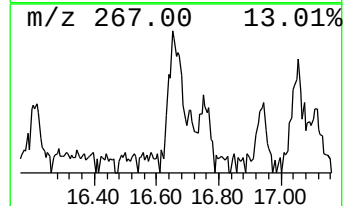
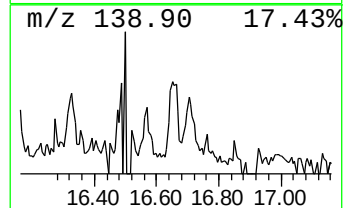
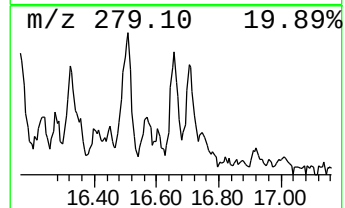
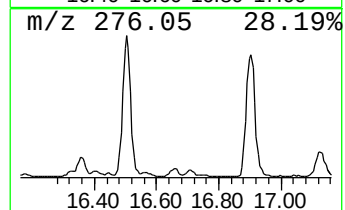
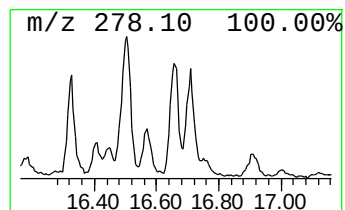
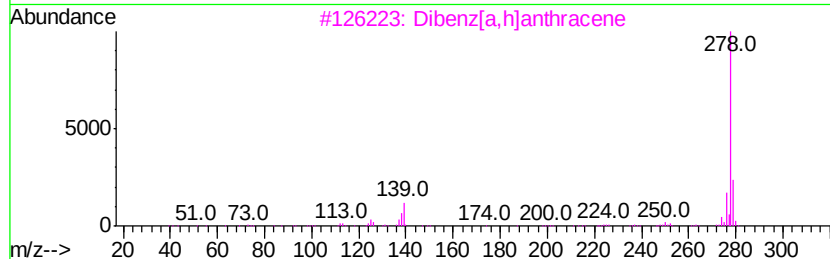
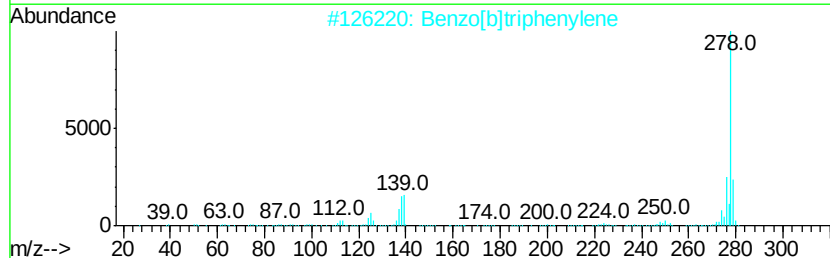
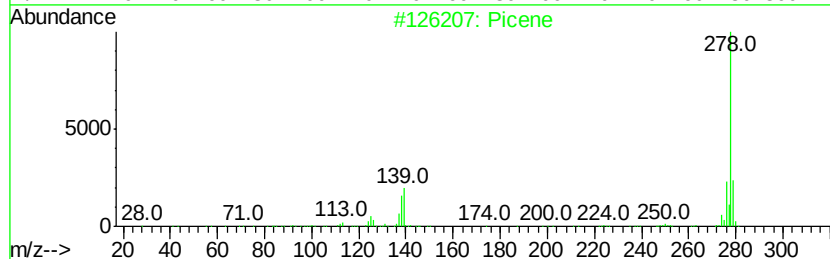
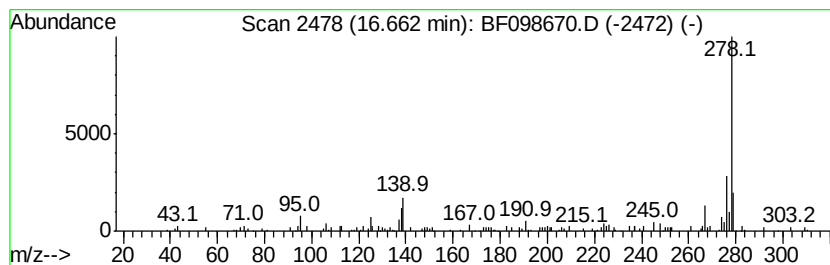
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF091117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Picene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.66	4.44 ng	122033	Perylene-d12	15.17

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Picene	278	C22H14	000213-46-7	95
2		Benzo[b]triphenylene	278	C22H14	000215-58-7	95
3		Dibenz[a,h]anthracene	278	C22H14	000053-70-3	76
4		Pentaphene	278	C22H14	000222-93-5	70
5		Pyrene, 1-phenyl-	278	C22H14	005101-27-9	64



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092017\
Data File : BF098670.D
Acq On : 20 Sep 2017 19:56
Operator : SJ/JU
Sample : I5285-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CSTP-2

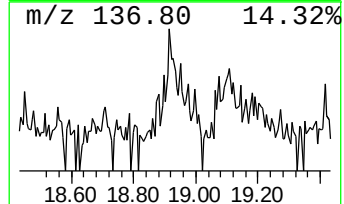
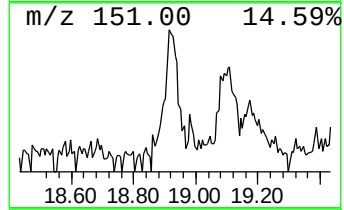
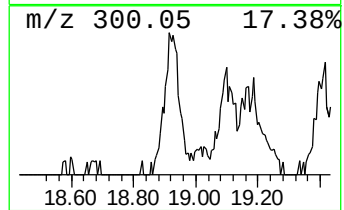
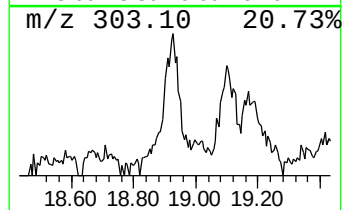
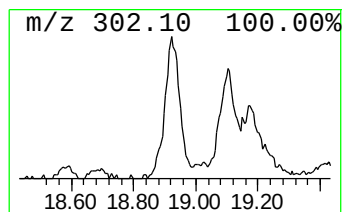
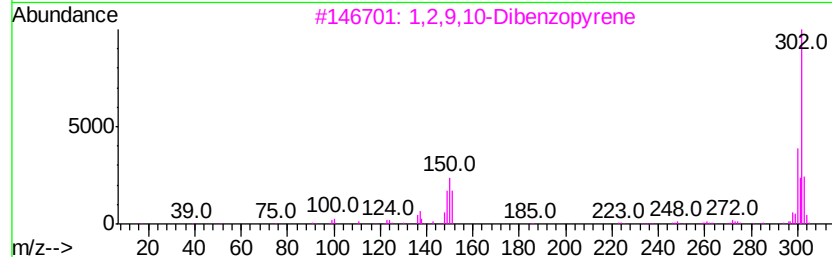
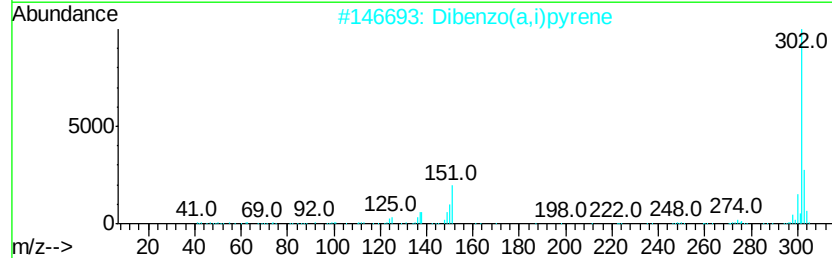
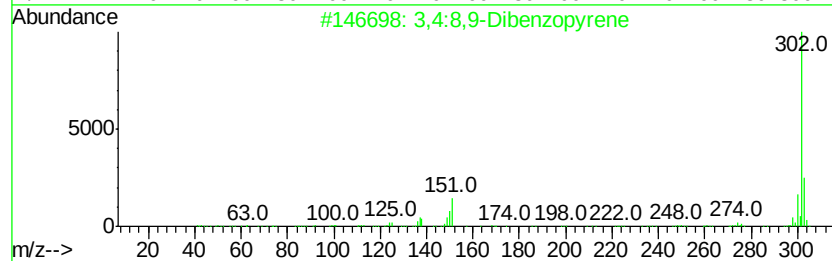
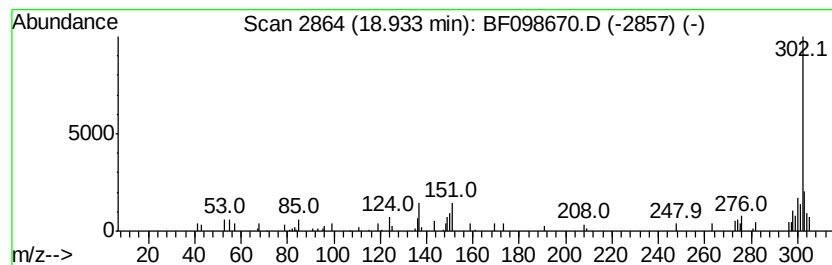
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF091117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 3,4:8,9-Dibenzopyrene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.93	4.38 ng	120540	Perylene-d12	15.17

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	94
2			Dibenzo(a,i)pyrene	302	C24H14	000189-55-9	93
3			1,2,9,10-Dibenzopyrene	302	C24H14	000191-30-0	68
4			Dibenzo[fg,op]naphthacene	302	C24H14	000192-51-8	62
5			1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	58



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092017\
 Data File : BF098670.D
 Acq On : 20 Sep 2017 19:56
 Operator : SJ/JU
 Sample : I5285-02
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CSTP-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF091117.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...	4.80	13.3	ng	425577	1	6.62	640081	20.0
unknown6.39	6.39	77.4	ng	2478090	1	6.62	640081	20.0
Phenanthrene, 1-m...	11.64	7.0	ng	253054	4	11.14	728478	20.0
Phenanthrene, 3-m...	11.72	3.9	ng	140562	4	11.14	728478	20.0
Benzaldehyde, 3,5...	11.74	11.4	ng	414443	4	11.14	728478	20.0
Anthracene, 2-met...	11.77	4.4	ng	159225	4	11.14	728478	20.0
5,16[1',2']:8,13[...	11.93	4.2	ng	152953	4	11.14	728478	20.0
Phenanthrene, 2,5...	12.19	4.6	ng	168717	4	11.14	728478	20.0
Cyclopenta(def)ph...	12.28	4.0	ng	146345	4	11.14	728478	20.0
5,12-Naphthacened...	14.49	5.6	ng	154376	6	15.17	549947	20.0
1,1'-Binaphthalene	14.64	4.4	ng	120331	6	15.17	549947	20.0
Benzo[e]pyrene	15.06	24.4	ng	670446	6	15.17	549947	20.0
Benz[j]aceanthryl...	15.57	3.5	ng	97745	6	15.17	549947	20.0
Picene	16.66	4.4	ng	122033	6	15.17	549947	20.0
3,4:8,9-Dibenzopy...	18.93	4.4	ng	120540	6	15.17	549947	20.0