

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100717\
 Data File : BF099198.D
 Acq On : 7 Oct 2017 17:03
 Operator : SJ/JU
 Sample : I5678-01 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-100417

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-BF092317.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	5.075	505	508	518	rBV	99580	105810	9.30%	0.510%
2	5.475	573	576	587	rVB	677500	666141	58.52%	3.209%
3	6.493	745	749	762	rVB	765352	671847	59.03%	3.236%
4	6.634	769	773	776	rBV	877582	702419	61.71%	3.384%
5	6.863	809	812	816	rVB	982092	772008	67.83%	3.719%
6	7.016	835	838	842	rBV	599824	534446	46.95%	2.574%
7	7.422	904	907	911	rBV	459669	380841	33.46%	1.834%
8	8.145	1027	1030	1033	rVV	1222729	1027930	90.31%	4.951%
9	8.169	1033	1034	1036	rVV	132657	64820	5.69%	0.312%
10	8.645	1112	1115	1118	rBV	33715	27685	2.43%	0.133%
11	8.728	1127	1129	1133	rVB3	37410	28627	2.52%	0.138%
12	8.857	1148	1151	1155	rVB	205928	151576	13.32%	0.730%
13	8.957	1163	1168	1172	rBV	248890	208547	18.32%	1.005%
14	9.216	1209	1212	1217	rVV	926586	722735	63.50%	3.481%
15	9.292	1222	1225	1227	rBV	56532	46182	4.06%	0.222%
16	9.322	1227	1230	1233	rVV	57698	50795	4.46%	0.245%
17	9.416	1244	1246	1251	rVB	33151	35480	3.12%	0.171%
18	9.486	1253	1258	1262	rBV	101900	126263	11.09%	0.608%
19	9.557	1267	1270	1272	rVV	177445	166833	14.66%	0.804%
20	9.586	1272	1275	1277	rVV	96178	98935	8.69%	0.477%
21	9.610	1277	1279	1284	rVV	131405	135926	11.94%	0.655%
22	9.675	1287	1290	1296	rVB	99142	104349	9.17%	0.503%
23	9.763	1302	1305	1310	rVB2	113400	106743	9.38%	0.514%
24	9.822	1310	1315	1318	rBV	75302	62533	5.49%	0.301%
25	9.881	1321	1325	1326	rVV	51521	53640	4.71%	0.258%
26	9.904	1326	1329	1331	rVV	972293	899027	78.98%	4.331%
27	9.934	1331	1334	1337	rVV	373886	301151	26.46%	1.451%
28	10.004	1342	1346	1350	rVB2	38574	49058	4.31%	0.236%
29	10.057	1350	1355	1357	rBV3	29773	41726	3.67%	0.201%
30	10.104	1359	1363	1367	rVV	246967	215044	18.89%	1.036%
31	10.139	1367	1369	1373	rVB	67123	54846	4.82%	0.264%
32	10.216	1378	1382	1385	rBV2	55729	67886	5.96%	0.327%
33	10.322	1393	1400	1403	rBV2	111717	126294	11.10%	0.608%
34	10.445	1418	1421	1428	rVB	356719	331296	29.11%	1.596%

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100717\
 Data File : BF099198.D
 Acq On : 7 Oct 2017 17:03
 Operator : SJ/JU
 Sample : I5678-01 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-100417

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-BF092317.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.516	1428	1433	1434	rBV2	29431	39379	3.46%	0.190%
36	10.533	1434	1436	1439	rVV3	63336	67796	5.96%	0.327%
37	10.604	1443	1448	1451	rVV3	49756	53928	4.74%	0.260%
38	10.686	1459	1462	1466	rVB	365752	311734	27.39%	1.502%
39	10.792	1477	1480	1482	rBV	107969	115807	10.17%	0.558%
40	10.992	1508	1514	1517	rBV2	65510	97643	8.58%	0.470%
41	11.022	1517	1519	1522	rVV2	58906	51217	4.50%	0.247%
42	11.080	1526	1529	1532	rVV	41901	37168	3.27%	0.179%
43	11.122	1532	1536	1537	rVV3	26262	33213	2.92%	0.160%
44	11.145	1537	1540	1544	rVV5	30514	44358	3.90%	0.214%
45	11.192	1545	1548	1551	rVV2	36537	37684	3.31%	0.182%
46	11.239	1552	1556	1559	rVV2	98324	101270	8.90%	0.488%
47	11.286	1559	1564	1567	rVB2	124911	163075	14.33%	0.786%
48	11.386	1578	1581	1583	rBV	823452	761317	66.89%	3.667%
49	11.416	1583	1586	1589	rVV	1186202	1082332	95.09%	5.214%
50	11.463	1591	1594	1597	rVV	291144	236134	20.75%	1.137%
51	11.498	1597	1600	1603	rVV2	41498	58605	5.15%	0.282%
52	11.545	1605	1608	1614	rVV4	23414	41555	3.65%	0.200%
53	11.616	1617	1620	1626	rVV	143242	148622	13.06%	0.716%
54	11.669	1626	1629	1633	rVV2	80742	90333	7.94%	0.435%
55	11.716	1634	1637	1641	rVB	83830	79800	7.01%	0.384%
56	11.769	1642	1646	1649	rVV4	21839	27489	2.42%	0.132%
57	11.804	1649	1652	1654	rVB	42691	44427	3.90%	0.214%
58	11.886	1662	1666	1669	rVV	163006	178636	15.69%	0.860%
59	11.916	1669	1671	1675	rVB	227433	184763	16.23%	0.890%
60	11.963	1676	1679	1682	rBV	67339	58169	5.11%	0.280%
61	11.998	1682	1685	1688	rVV2	250646	286165	25.14%	1.378%
62	12.022	1688	1689	1692	rVB	135594	79919	7.02%	0.385%
63	12.075	1695	1698	1700	rBV	76629	67871	5.96%	0.327%
64	12.122	1703	1706	1708	rBV	37307	29328	2.58%	0.141%
65	12.180	1713	1716	1719	rVV	106915	99156	8.71%	0.478%
66	12.210	1719	1721	1727	rVB2	71432	71473	6.28%	0.344%
67	12.363	1744	1747	1749	rVV2	53561	48919	4.30%	0.236%
68	12.386	1749	1751	1754	rVB2	43497	35745	3.14%	0.172%
69	12.439	1756	1760	1761	rBV	115270	121624	10.69%	0.586%
70	12.457	1761	1763	1768	rVV4	115812	208455	18.31%	1.004%
71	12.527	1772	1775	1779	rBV2	65838	93728	8.23%	0.451%

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100717\
 Data File : BF099198.D
 Acq On : 7 Oct 2017 17:03
 Operator : SJ/JU
 Sample : I5678-01 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-100417

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-BF092317.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	12.604	1784	1788	1791	rBV	925664	826808	72.64%	3.983%
73	12.639	1791	1794	1796	rVV3	29297	28843	2.53%	0.139%
74	12.698	1801	1804	1806	rVB2	42818	36701	3.22%	0.177%
75	12.751	1811	1813	1816	rVV	61834	59969	5.27%	0.289%
76	12.833	1820	1827	1833	rBV2	927458	1138235	100.00%	5.483%
77	12.880	1833	1835	1839	rVB2	56295	62982	5.53%	0.303%
78	12.969	1846	1850	1852	rBV	563130	459327	40.35%	2.213%
79	13.045	1859	1863	1867	rBV2	69163	121273	10.65%	0.584%
80	13.133	1875	1878	1879	rBV3	62599	69157	6.08%	0.333%
81	13.157	1879	1882	1885	rVB2	133532	138816	12.20%	0.669%
82	13.186	1885	1887	1891	rBV2	56875	73402	6.45%	0.354%
83	13.222	1891	1893	1896	rVB	98330	75344	6.62%	0.363%
84	13.263	1896	1900	1903	rBV2	97577	108771	9.56%	0.524%
85	13.351	1913	1915	1918	rBV	59201	52878	4.65%	0.255%
86	13.386	1918	1921	1923	rBV	75187	66768	5.87%	0.322%
87	13.533	1943	1946	1948	rBV	54239	56594	4.97%	0.273%
88	13.669	1966	1969	1973	rVB	50941	56923	5.00%	0.274%
89	13.774	1985	1987	1990	rBV	65662	56703	4.98%	0.273%
90	13.804	1990	1992	1994	rVB	50508	35823	3.15%	0.173%
91	13.827	1994	1996	1998	rBV	45036	43974	3.86%	0.212%
92	13.857	1999	2001	2007	rVB2	80139	116428	10.23%	0.561%
93	14.027	2025	2030	2033	rBV2	839880	1038354	91.22%	5.002%
94	14.051	2033	2034	2040	rVB	297123	248008	21.79%	1.195%
95	14.174	2053	2055	2061	rBV4	67903	64117	5.63%	0.309%
96	14.480	2105	2107	2110	rBV2	67373	53192	4.67%	0.256%
97	15.074	2204	2208	2214	rBV	171791	308526	27.11%	1.486%
98	15.380	2257	2260	2265	rVB	115861	139802	12.28%	0.673%
99	15.439	2267	2270	2276	rVB	162846	208943	18.36%	1.006%
100	15.510	2277	2282	2285	rBV	446260	585060	51.40%	2.818%

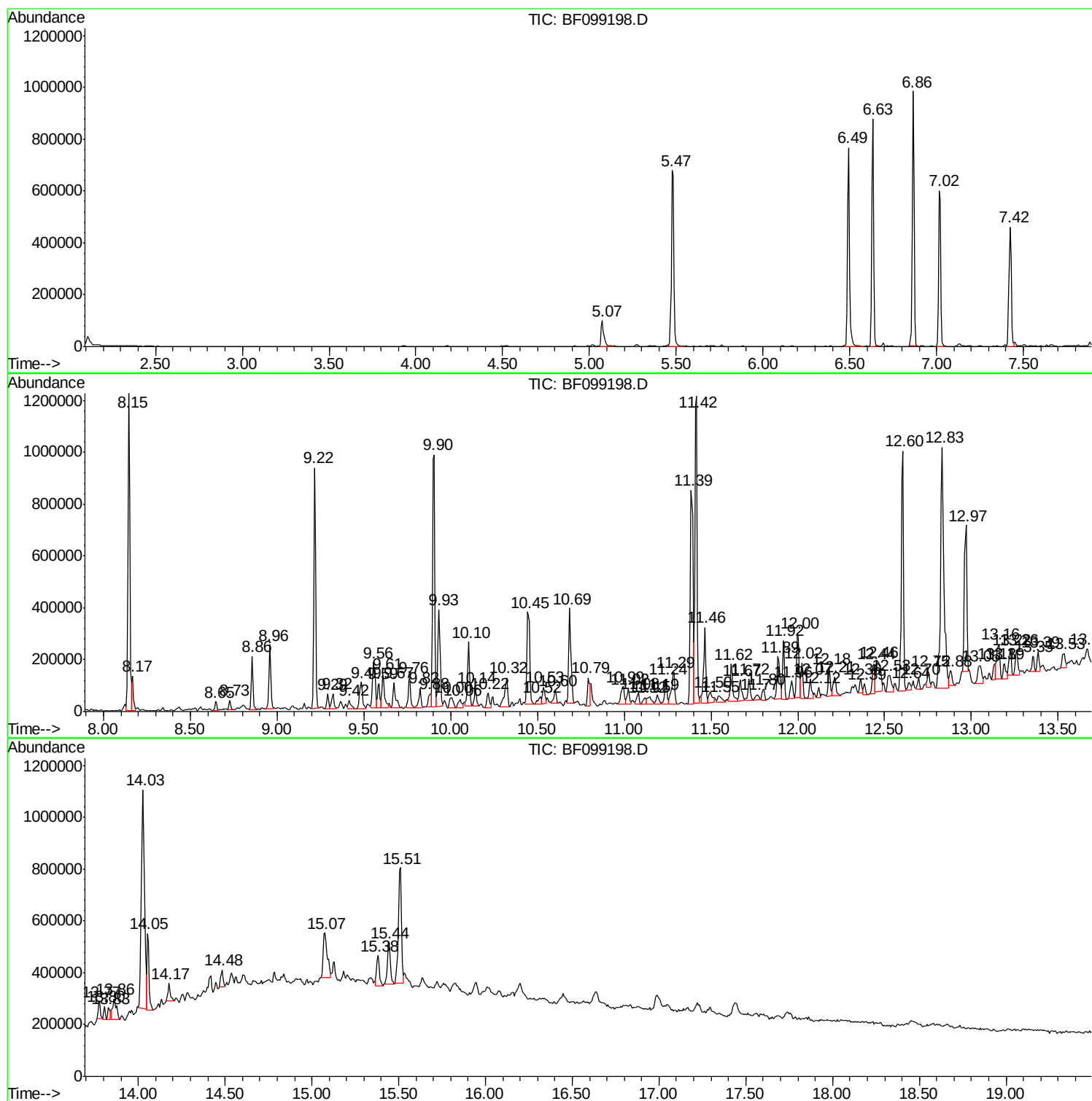
Sum of corrected areas: 20759997

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100717\
Data File : BF099198.D
Acq On : 7 Oct 2017 17:03
Operator : SJ/JU
Sample : I5678-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-03-100417

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.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\BF100717\
Data File : BF099198.D
Acq On : 7 Oct 2017 17:03
Operator : SJ/JU
Sample : I5678-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-03-100417

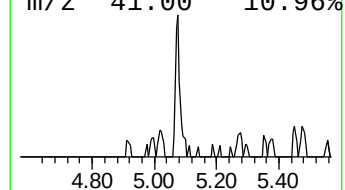
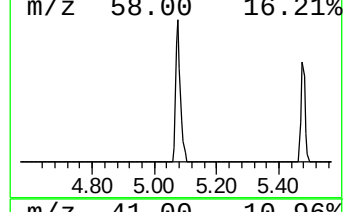
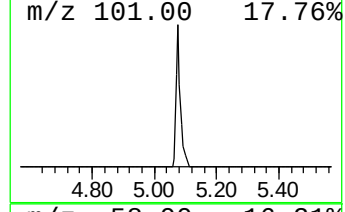
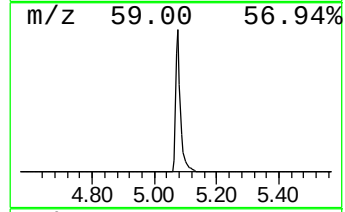
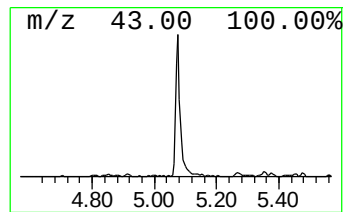
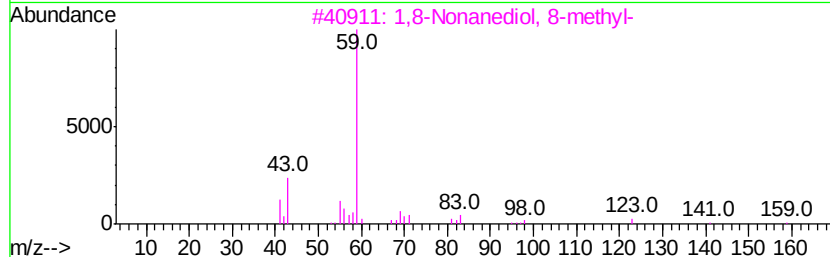
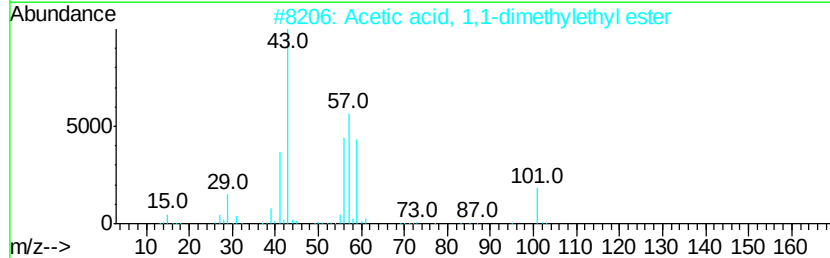
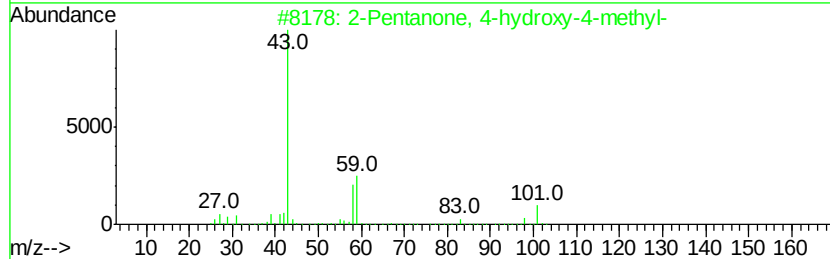
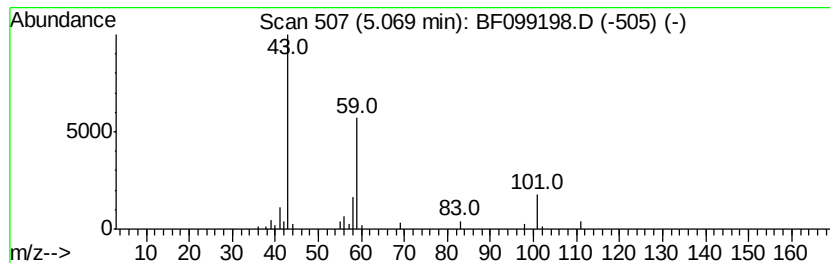
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.07	2.74 ng	105810	1,4-Dichlorobenzene-d4	6.86

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2			Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	38
3			1,8-Nonanediol, 8-methyl-	174	C10H22O2	054725-73-4	23
4			Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
5			4-Penten-2-one, 4-methyl-	98	C6H10O	003744-02-3	9



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100717\
Data File : BF099198.D
Acq On : 7 Oct 2017 17:03
Operator : SJ/JU
Sample : I5678-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-03-100417

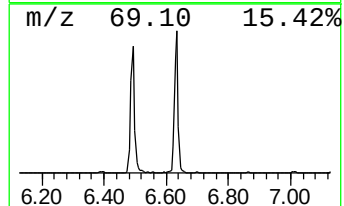
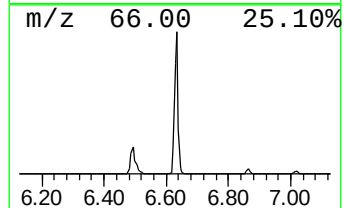
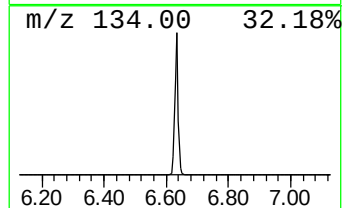
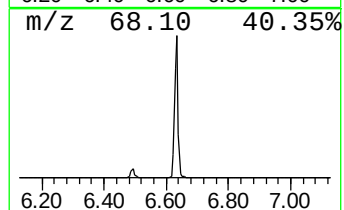
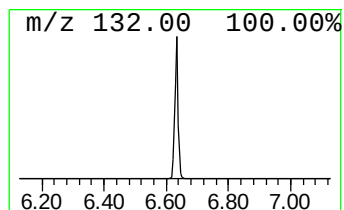
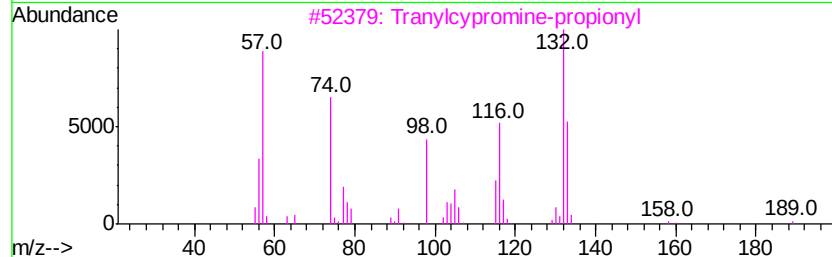
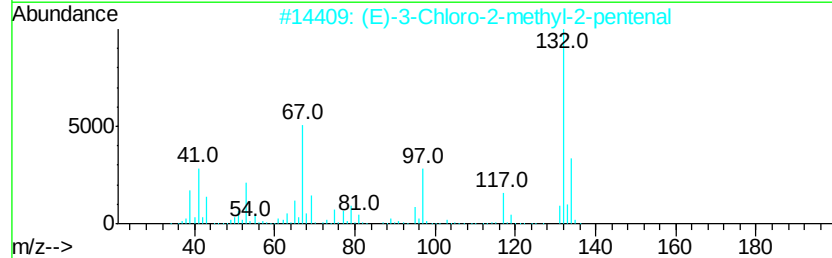
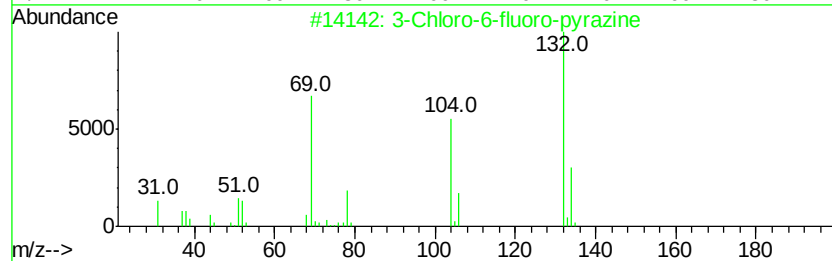
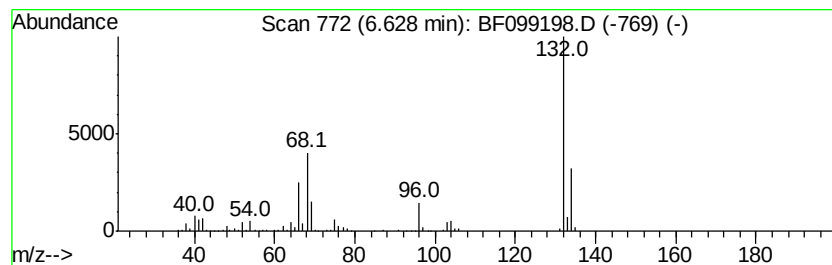
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 unknown6.63 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.63	18.20 ng	702419	1,4-Dichlorobenzene-d4	6.86

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	25
3		Tranvlcypropine-propionyl	189	C12H15NO	1000123-86-3	12
4		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9
5		4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	9



Data Path : Z:\HPCHEM1\BNA F\DATA\BF100717\
Data File : BF099198.D
Acq On : 7 Oct 2017 17:03
Operator : SJ/JU
Sample : I5678-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-03-100417

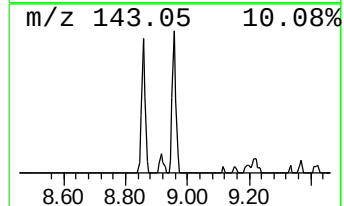
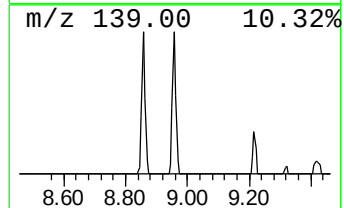
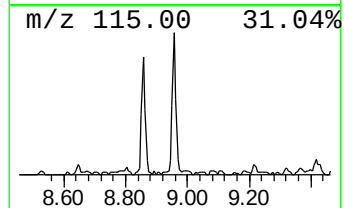
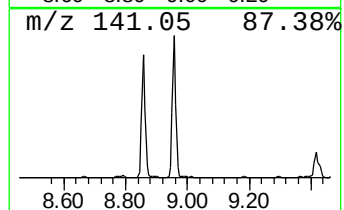
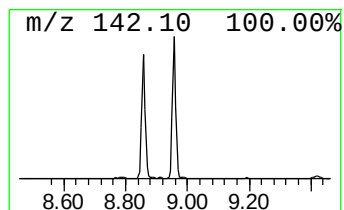
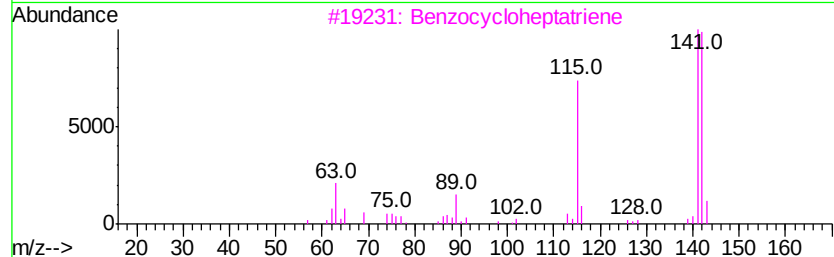
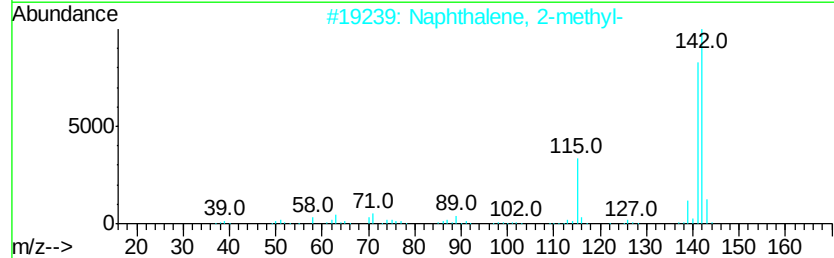
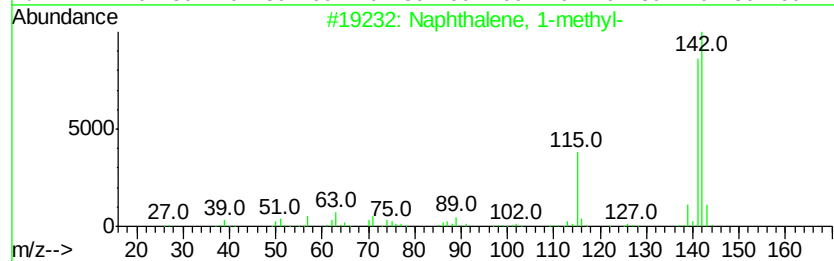
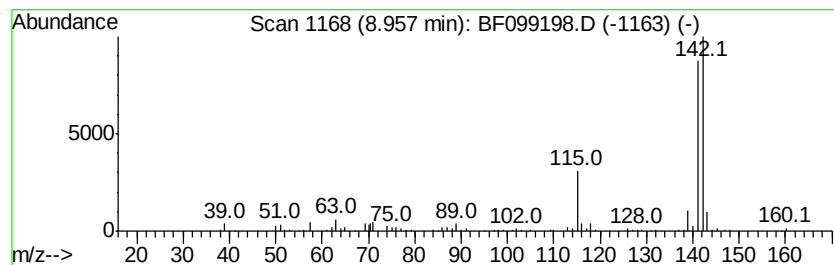
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Naphthalene, 1-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.96	4.06 ng	208547	Naphthalene-d8	8.15

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
2		Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3		Benzocycloheptatriene	142	C11H10	000264-09-5	93
4		1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91
5		1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	59



Data Path : Z:\HPCHEM1\BNA F\DATA\BF100717\
Data File : BF099198.D
Acq On : 7 Oct 2017 17:03
Operator : SJ/JU
Sample : I5678-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

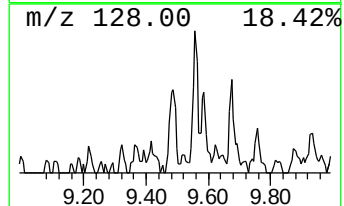
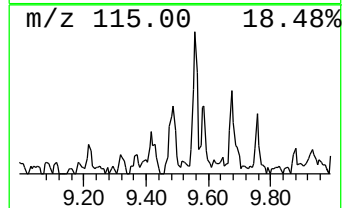
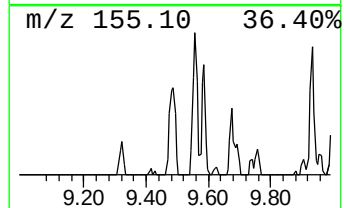
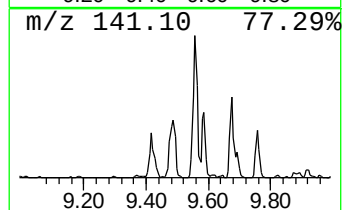
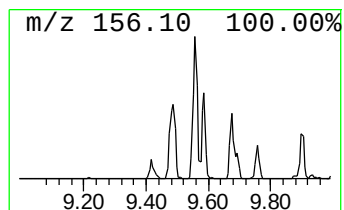
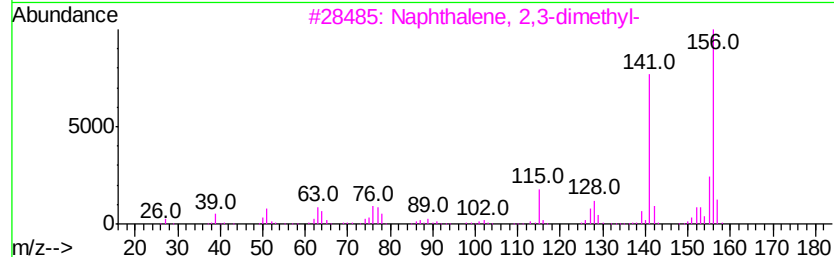
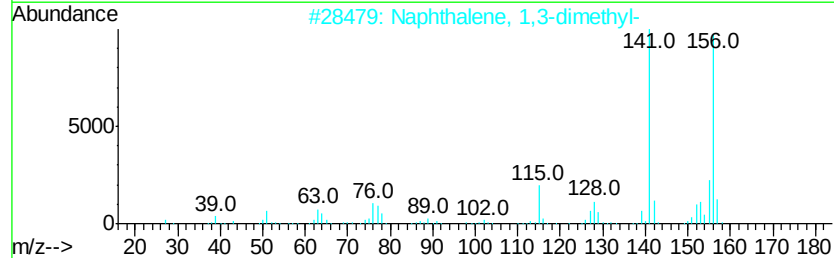
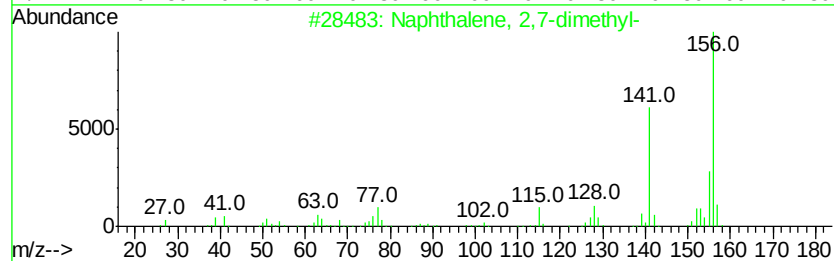
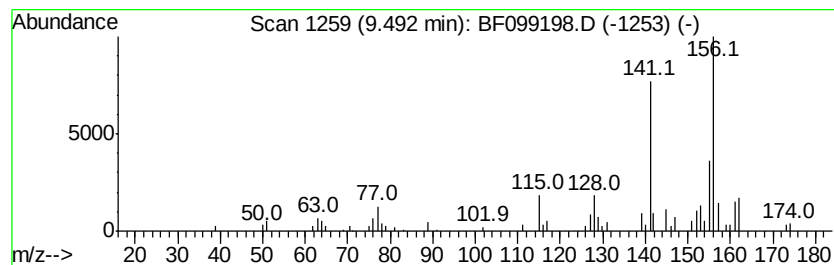
Instrument :
BNA_F
ClientSampleId :
OR-03-100417

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Naphthalene, 2,7-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.49	2.81 ng	126263	Acenaphthene-d10	9.90
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, 2,7-dimethyl-	156 C12H12	000582-16-1 96
2		Naphthalene, 1,3-dimethyl-	156 C12H12	000575-41-7 96
3		Naphthalene, 2,3-dimethyl-	156 C12H12	000581-40-8 96
4		Naphthalene, 1,6-dimethyl-	156 C12H12	000575-43-9 96
5		Naphthalene, 2,6-dimethyl-	156 C12H12	000581-42-0 96



Data Path : Z:\HPCHEM1\BNA F\DATA\BF100717\
Data File : BF099198.D
Acq On : 7 Oct 2017 17:03
Operator : SJ/JU
Sample : I5678-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-03-100417

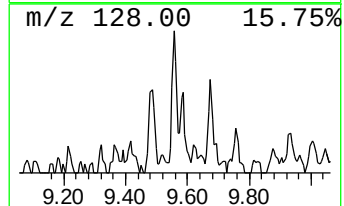
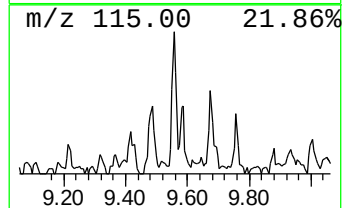
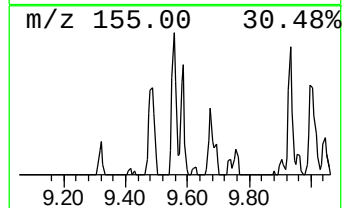
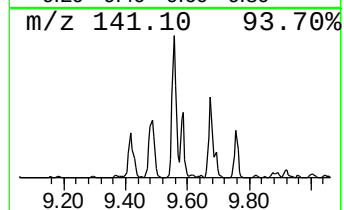
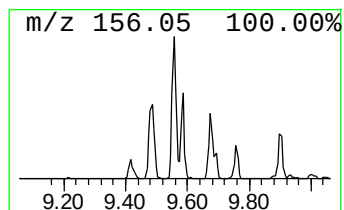
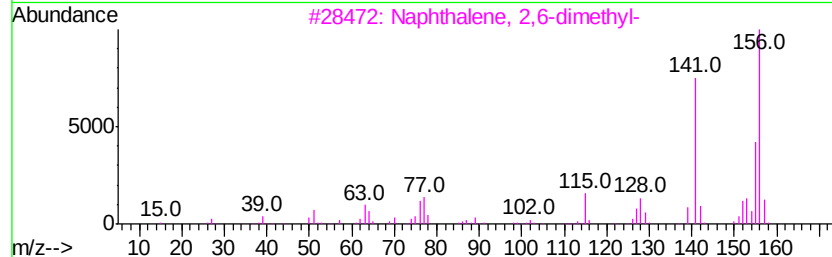
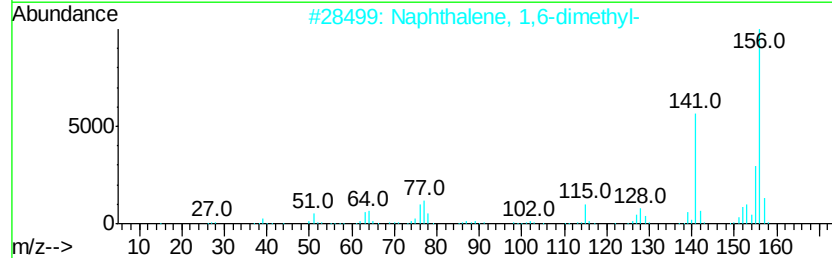
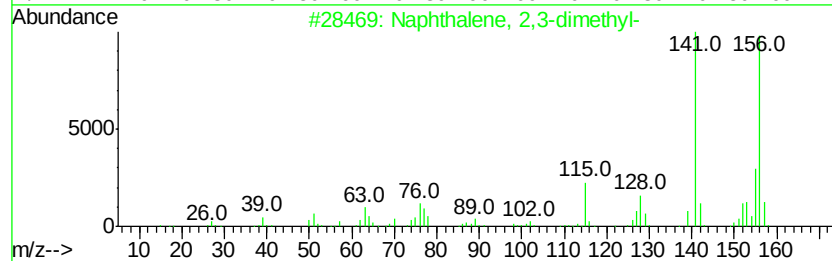
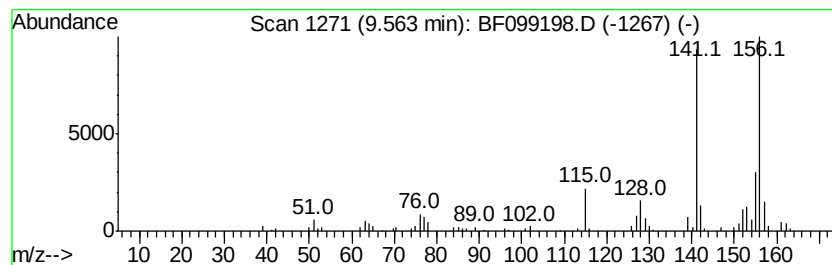
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Naphthalene, 2,3-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.56	3.71 ng	166833	Acenaphthene-d10	9.90

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2		Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
3		Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
4		Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
5		Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100717\
Data File : BF099198.D
Acq On : 7 Oct 2017 17:03
Operator : SJ/JU
Sample : I5678-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

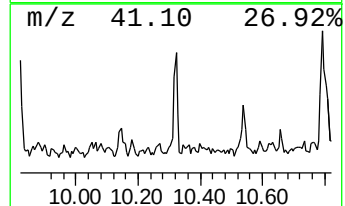
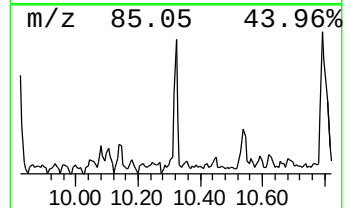
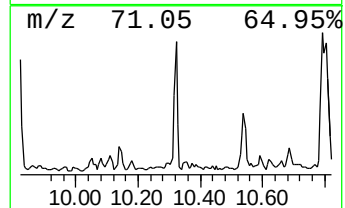
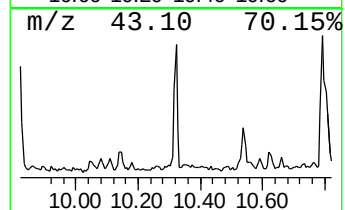
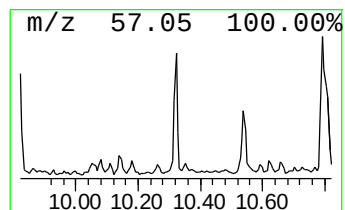
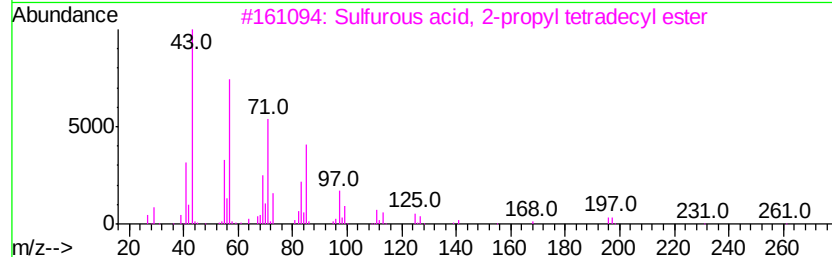
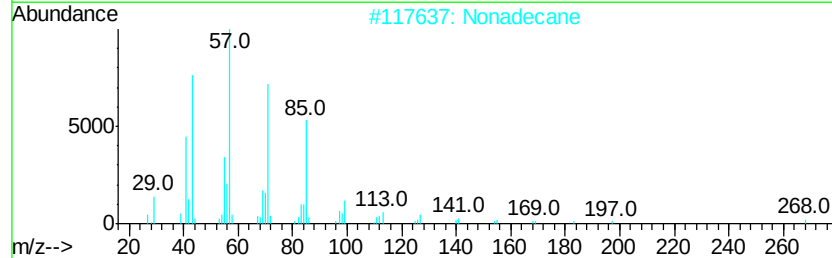
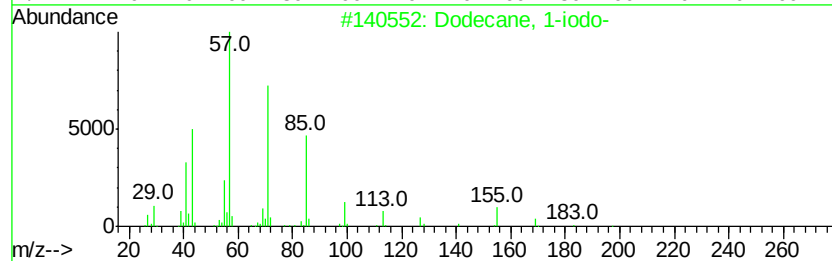
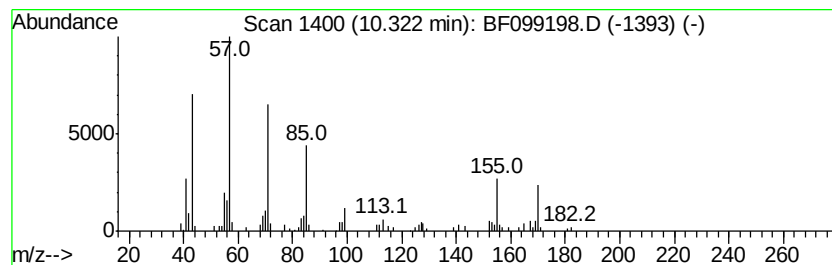
Instrument :
BNA_F
ClientSampleId :
OR-03-100417

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Dodecane, 1-iodo- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.32	2.81 ng	126294	Acenaphthene-d10	9.90
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Dodecane, 1-iodo-	296 C12H25I	004292-19-7	58
2	Nonadecane	268 C19H40	000629-92-5	52
3	Sulfurous acid, 2-propyl tetradecyl ester	320 C17H36O3S	1000309-12-5	52
4	Hexadecane	226 C16H34	000544-76-3	52
5	Tetradecane	198 C14H30	000629-59-4	52



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100717\
Data File : BF099198.D
Acq On : 7 Oct 2017 17:03
Operator : SJ/JU
Sample : I5678-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

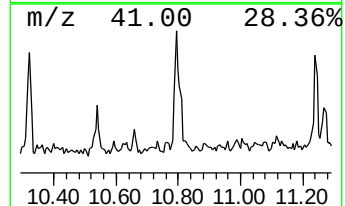
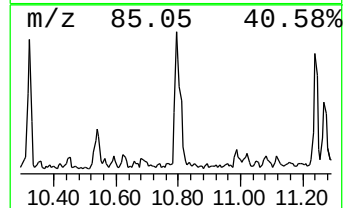
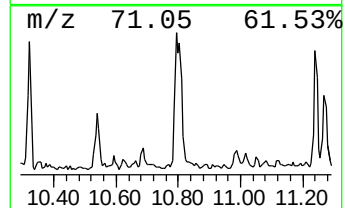
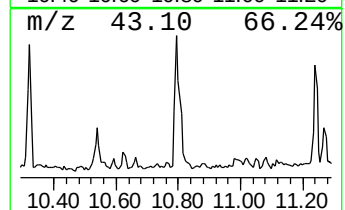
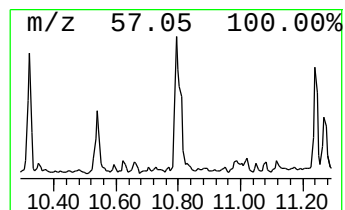
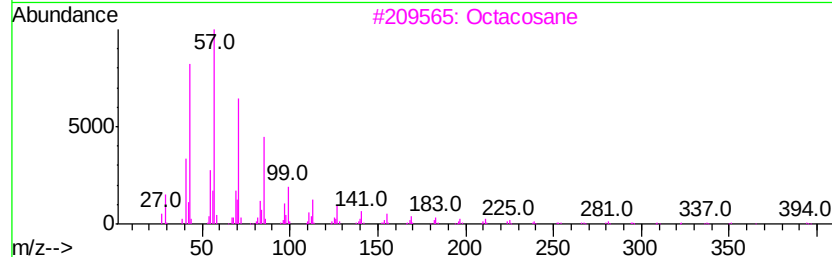
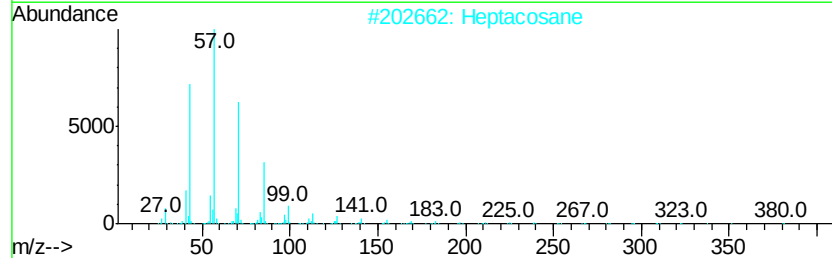
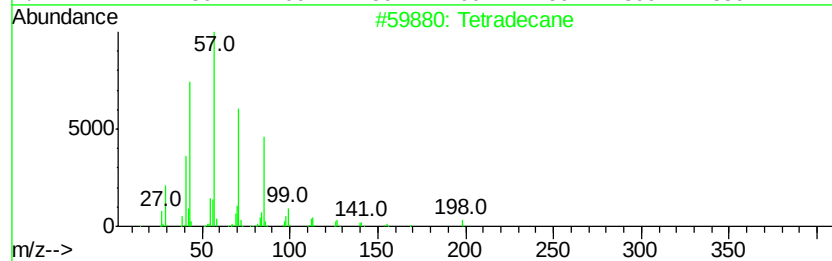
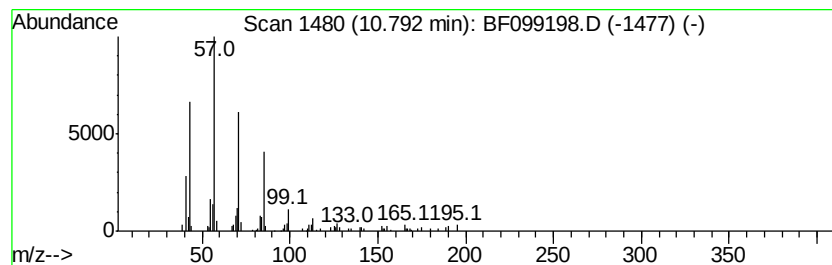
Instrument :
BNA_F
ClientSampleId :
OR-03-100417

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Tetradecane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD		R.T.
10.79	3.04 ng	115807	Phenanthrene-d10		11.39
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	91
2	Heptacosane	380	C27H56	000593-49-7	90
3	Octacosane	394	C28H58	000630-02-4	90
4	Sulfurous acid, 2-propyl tetrade...	320	C17H36O3S	1000309-12-5	90
5	Heptadecane	240	C17H36	000629-78-7	90



Data Path : Z:\HPCHEM1\BNA F\DATA\BF100717\
Data File : BF099198.D
Acq On : 7 Oct 2017 17:03
Operator : SJ/JU
Sample : I5678-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-03-100417

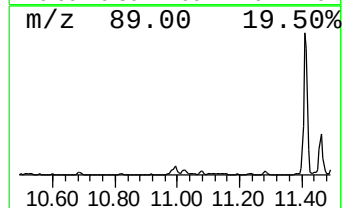
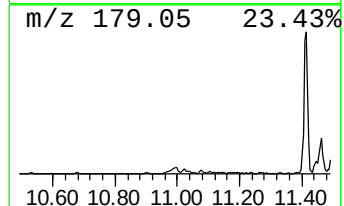
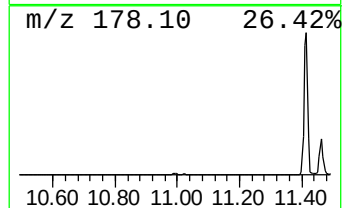
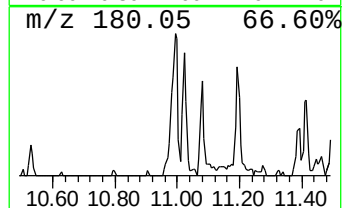
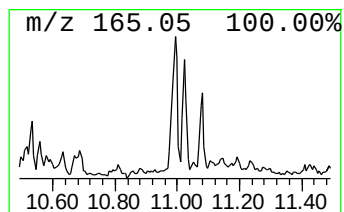
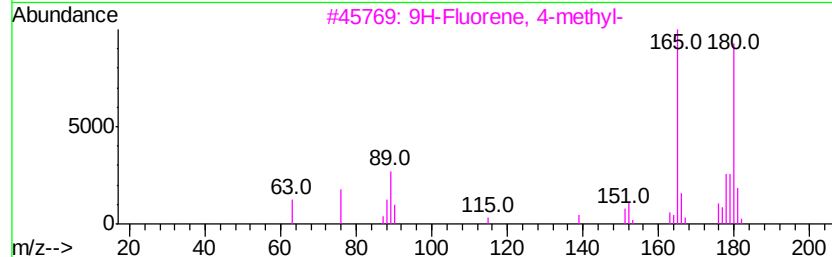
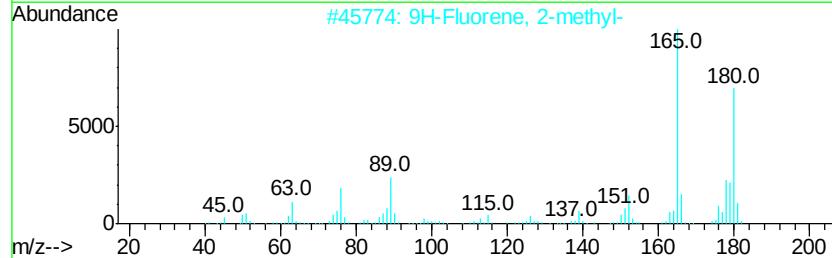
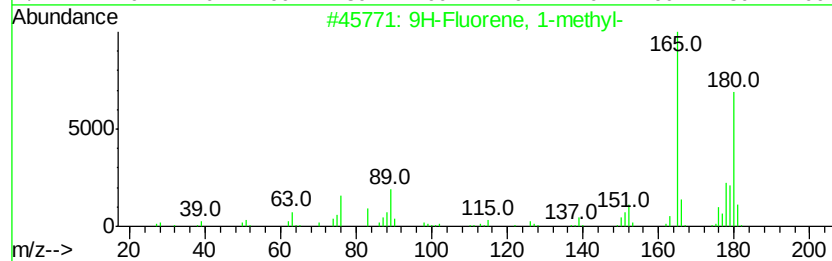
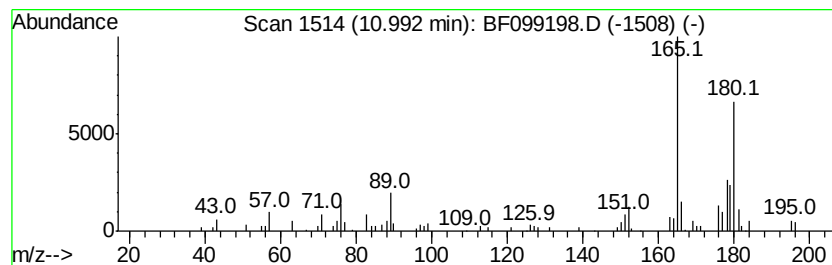
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 9H-Fluorene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.99	2.57 ng	97643	Phenanthrene-d10	11.39

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	93
2		9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	93
3		9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	90
4		9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	89
5		9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	70



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100717\
Data File : BF099198.D
Acq On : 7 Oct 2017 17:03
Operator : SJ/JU
Sample : I5678-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-03-100417

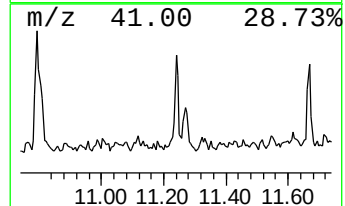
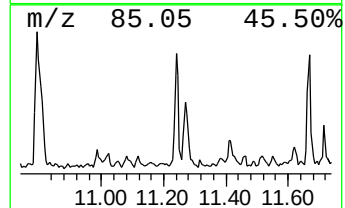
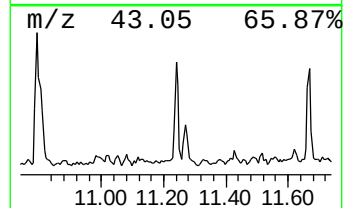
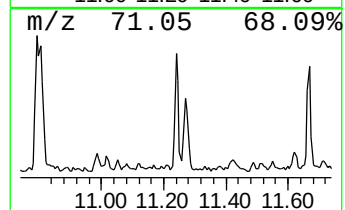
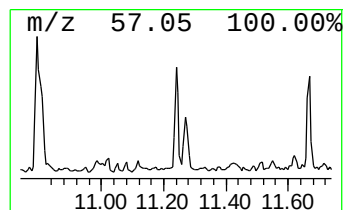
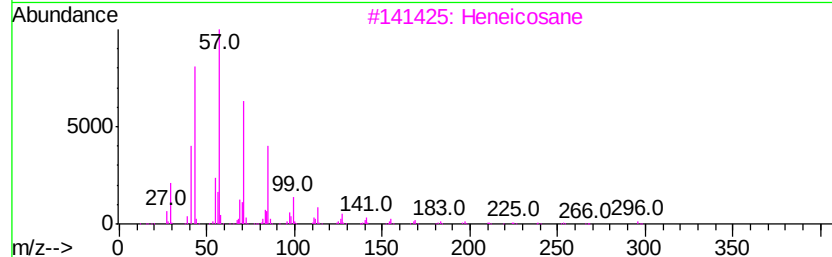
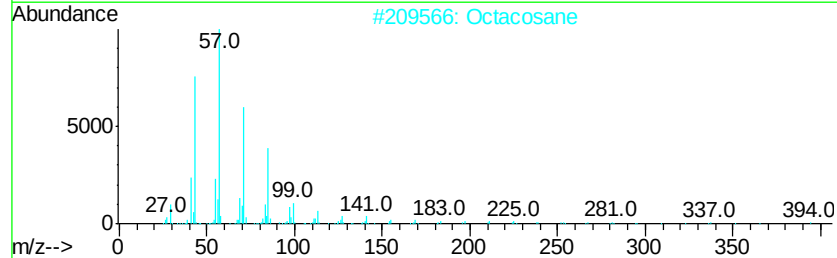
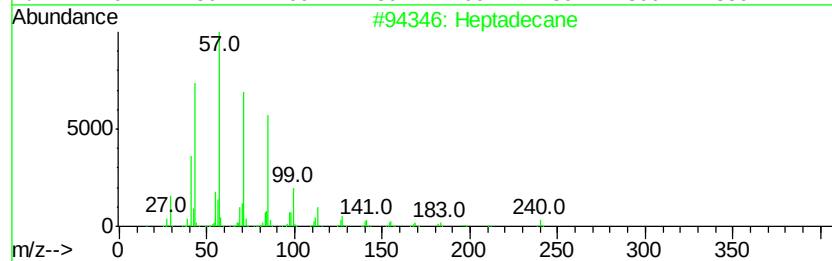
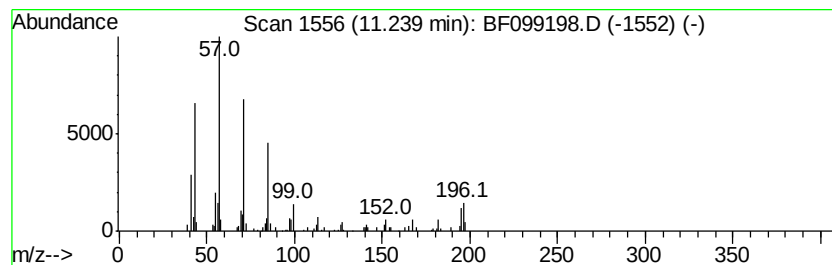
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Heptadecane Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.24	2.66 ng	101270	Phenanthrene-d10	11.39

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptadecane	240	C17H36	000629-78-7	76
2		Octacosane	394	C28H58	000630-02-4	76
3		Heneicosane	296	C21H44	000629-94-7	76
4		Tetradecane	198	C14H30	000629-59-4	68
5		Octadecane	254	C18H38	000593-45-3	68



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100717\
Data File : BF099198.D
Acq On : 7 Oct 2017 17:03
Operator : SJ/JU
Sample : I5678-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

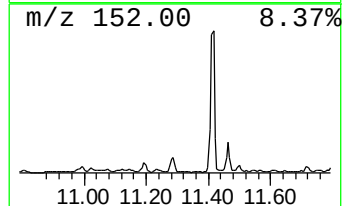
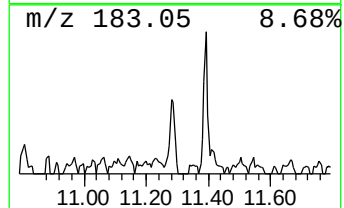
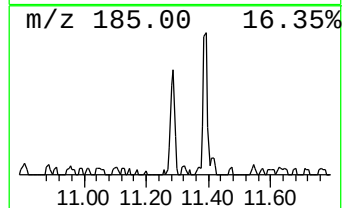
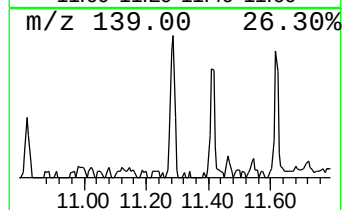
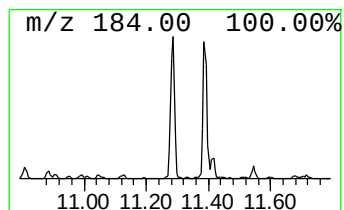
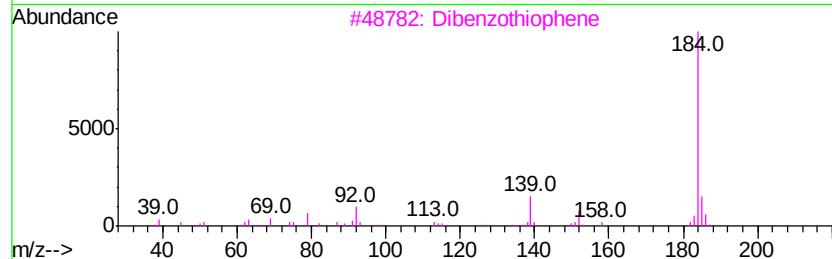
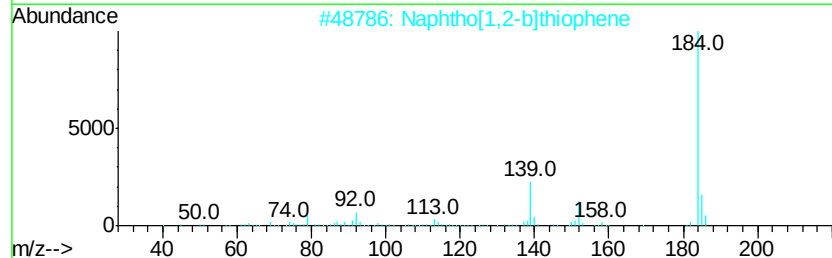
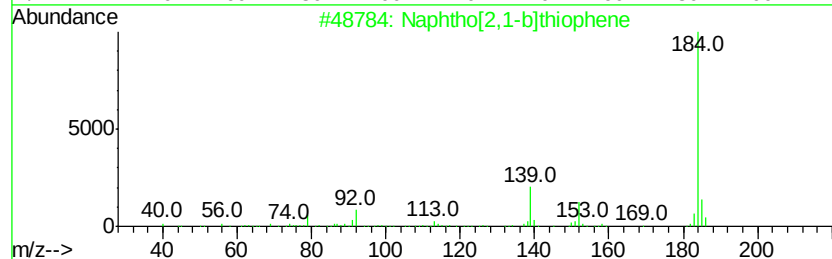
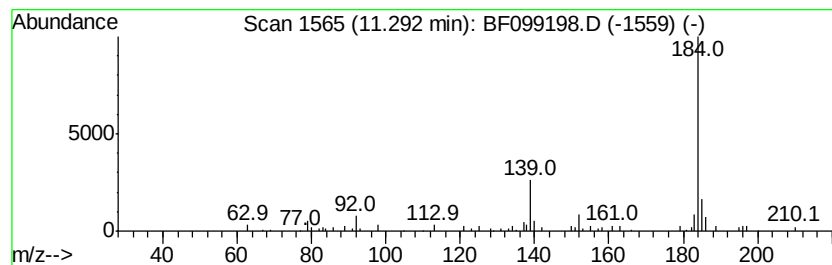
Instrument :
BNA_F
ClientSampleId :
OR-03-100417

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Naphtho[2,1-b]thiophene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD		R.T.		
11.29	4.28 ng	163075	Phenanthrene-d10		11.39		
Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	97
2			Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	95
3			Dibenzothiophene	184	C12H8S	000132-65-0	94
4			Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	93
5			Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	78



Data Path : Z:\HPCHEM1\BNA F\DATA\BF100717\
Data File : BF099198.D
Acq On : 7 Oct 2017 17:03
Operator : SJ/JU
Sample : I5678-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

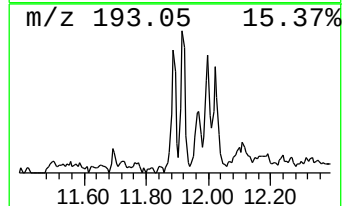
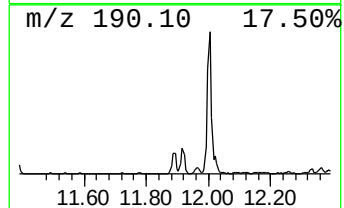
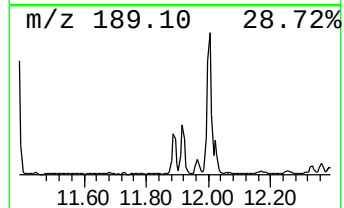
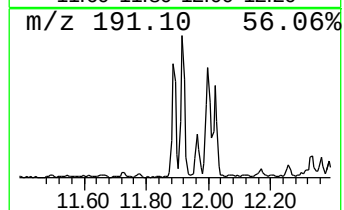
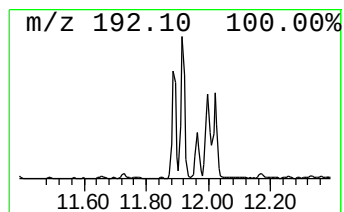
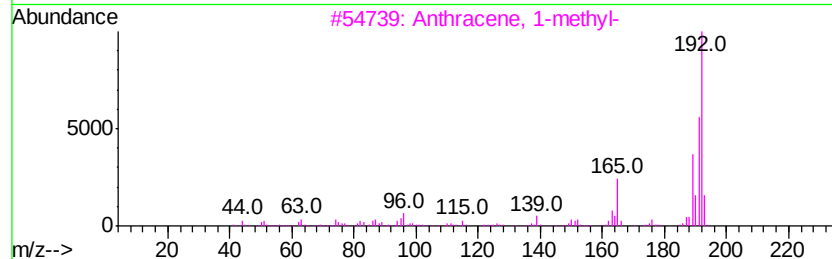
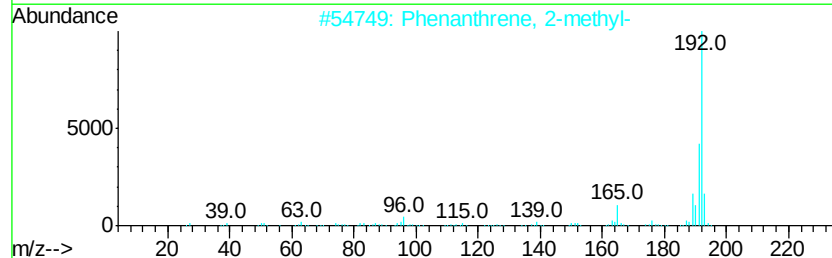
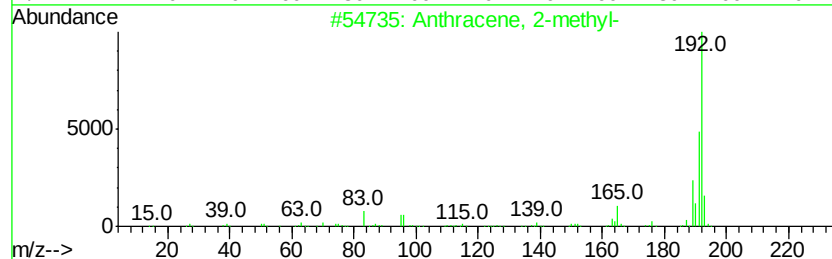
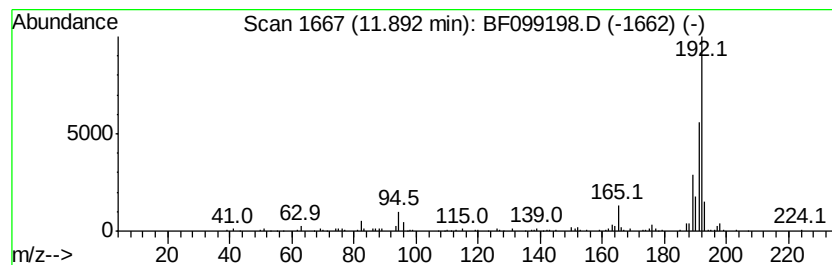
Instrument :
BNA_F
ClientSampleId :
OR-03-100417

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Anthracene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.89	4.69 ng	178636	Phenanthrene-d10	11.39	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
5	1H-Cyclopropa[l]phenanthrene, 1a, ...	192	C15H12	000949-41-7	87



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100717\
Data File : BF099198.D
Acq On : 7 Oct 2017 17:03
Operator : SJ/JU
Sample : I5678-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-03-100417

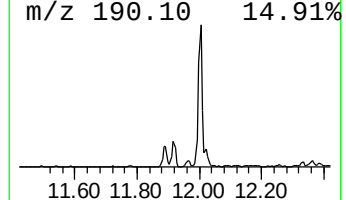
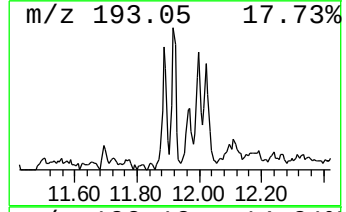
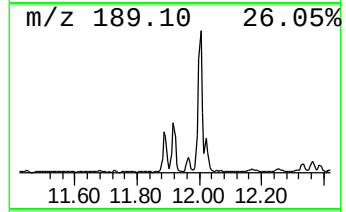
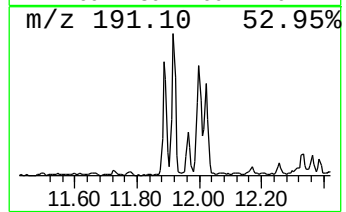
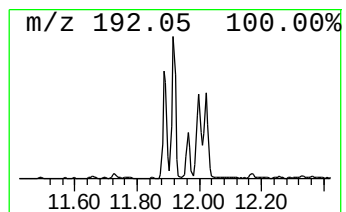
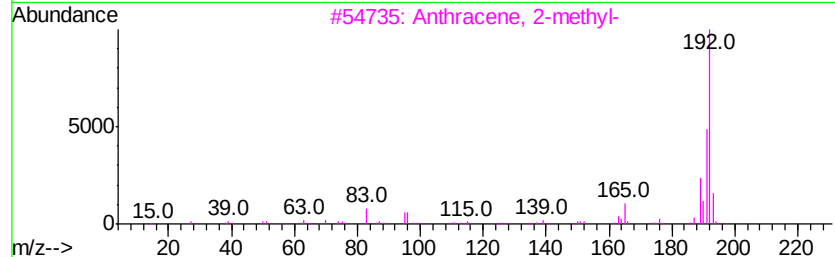
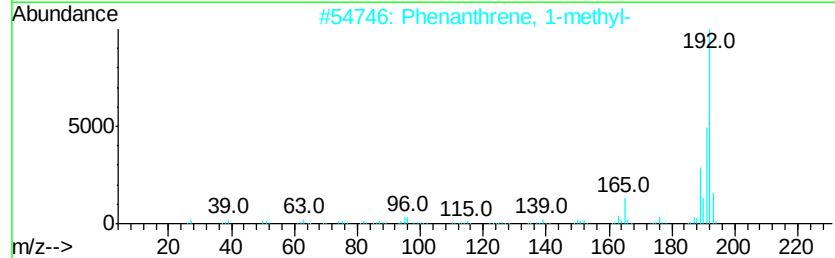
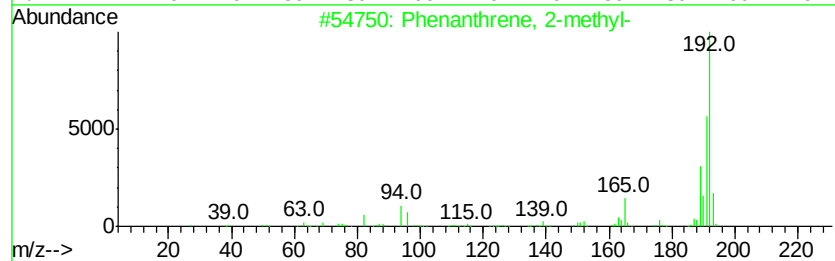
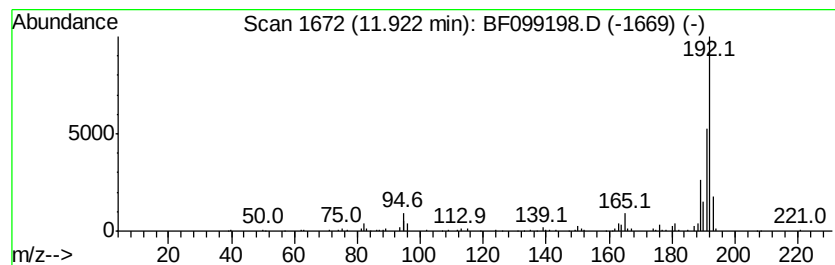
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.92	4.85 ng	184763	Phenanthrene-d10	11.39

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3			Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4			1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93
5			Anthracene, 9-methyl-	192	C15H12	000779-02-2	93



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100717\
Data File : BF099198.D
Acq On : 7 Oct 2017 17:03
Operator : SJ/JU
Sample : I5678-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-03-100417

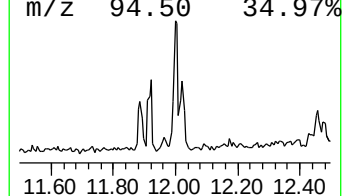
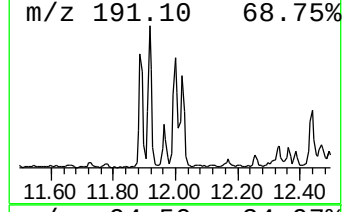
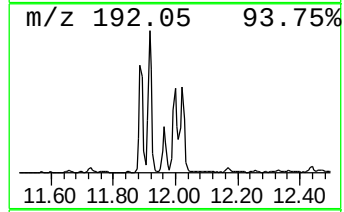
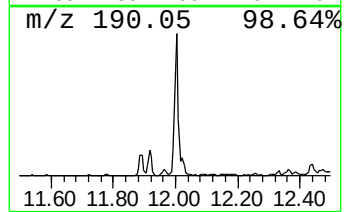
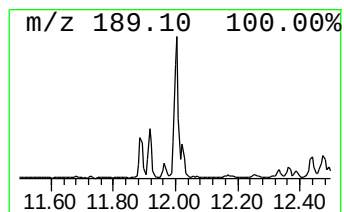
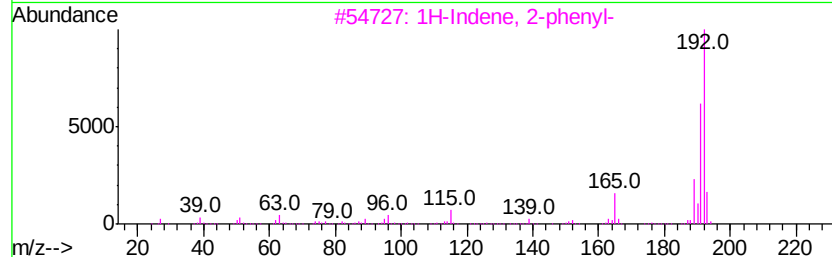
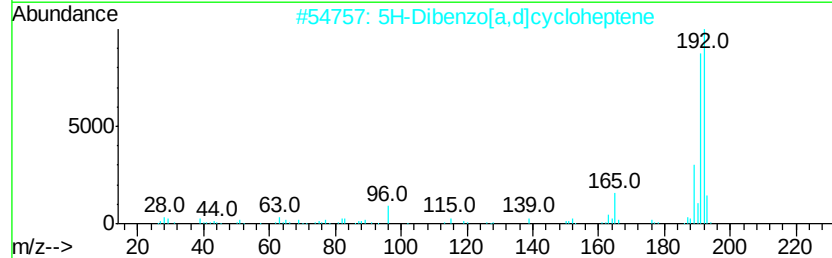
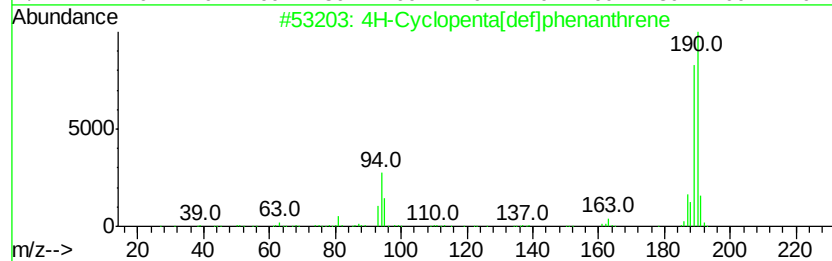
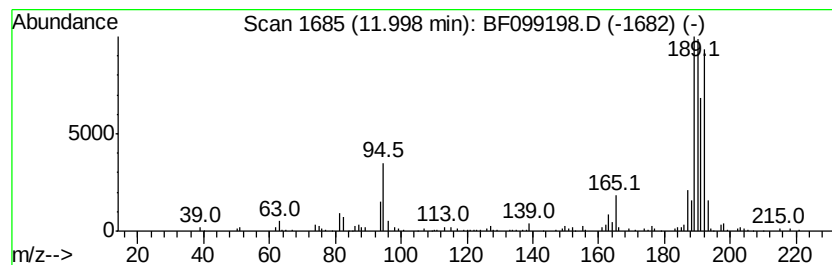
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.00	7.52 ng	286165	Phenanthrene-d10	11.39

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	53
2			5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	42
3			1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	42
4			Anthracene, 2-methyl-	192	C15H12	000613-12-7	42
5			Anthracene, 1-methyl-	192	C15H12	000610-48-0	42



Data Path : Z:\HPCHEM1\BNA F\DATA\BF100717\
Data File : BF099198.D
Acq On : 7 Oct 2017 17:03
Operator : SJ/JU
Sample : I5678-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-03-100417

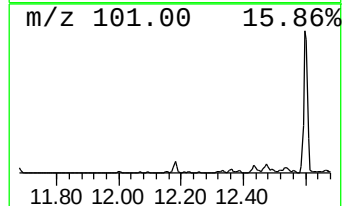
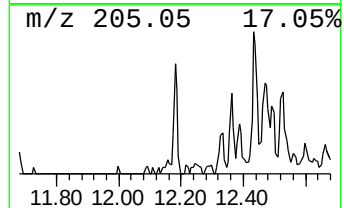
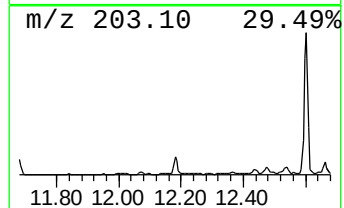
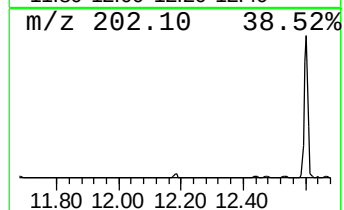
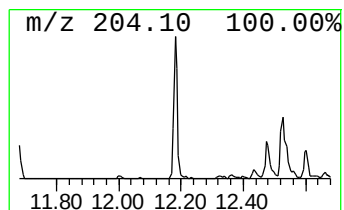
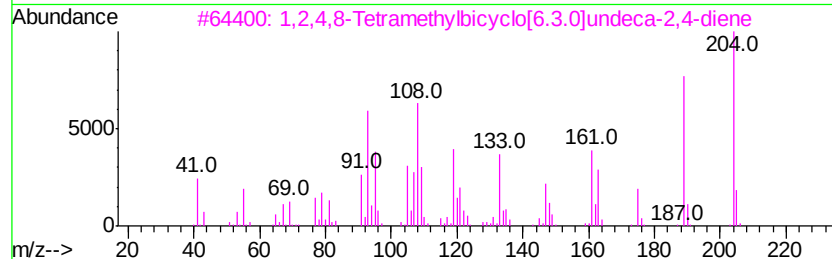
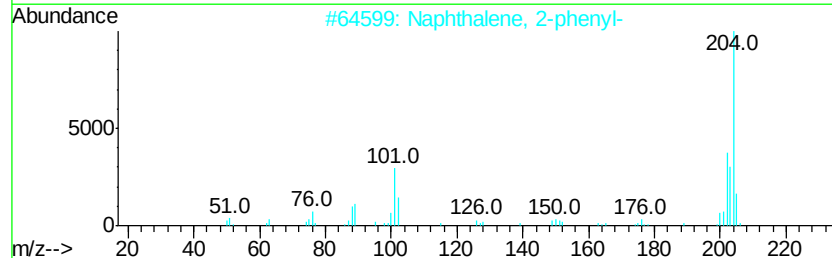
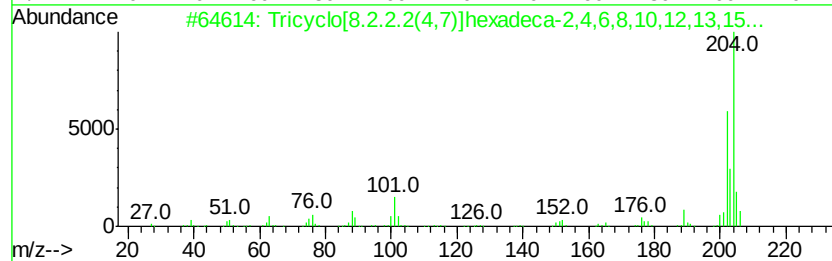
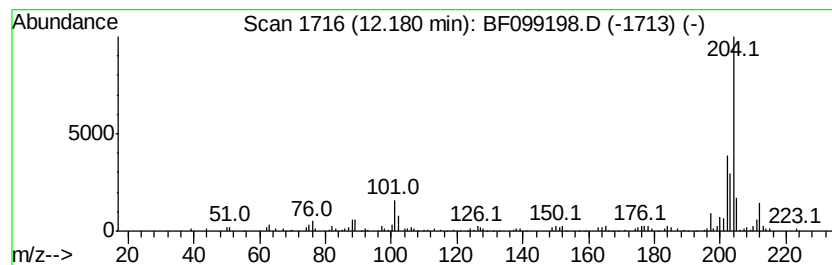
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Tricyclo[8.2.2.2(4,7)]hexad... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.18	2.60 ng	99156	Phenanthrene-d10	11.39

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	92
2		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	91
3		1,2,4,8-Tetramethylbicyclo[6.3.0]undeca-2,4-diene	204	C15H24	137235-51-9	80
4		5,16[1',2'1:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	72
5		9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	52



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100717\
Data File : BF099198.D
Acq On : 7 Oct 2017 17:03
Operator : SJ/JU
Sample : I5678-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-03-100417

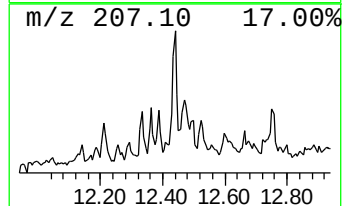
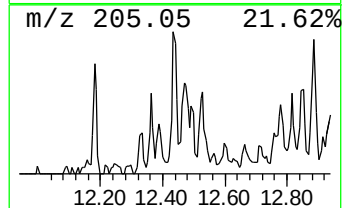
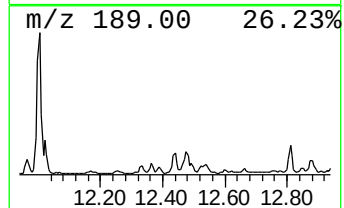
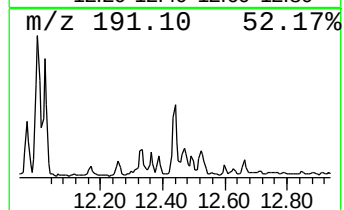
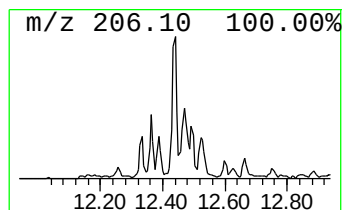
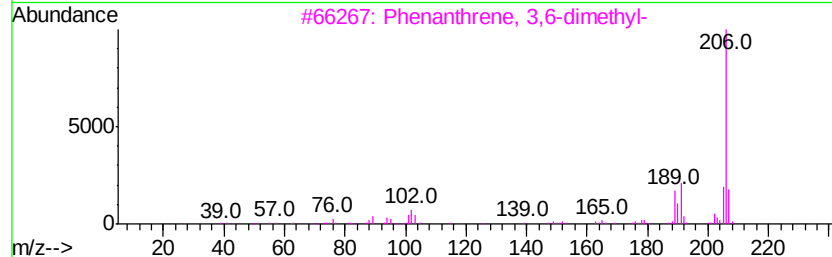
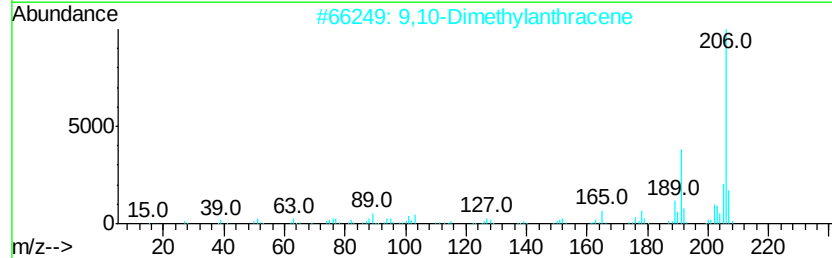
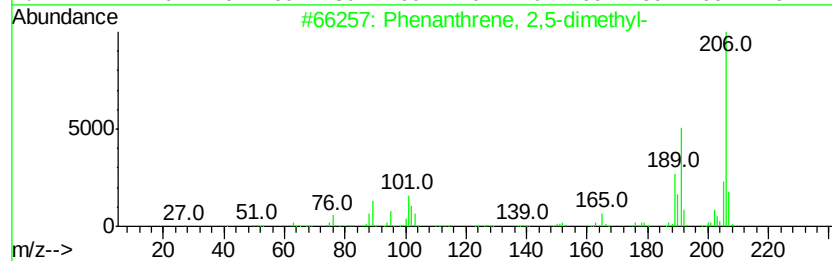
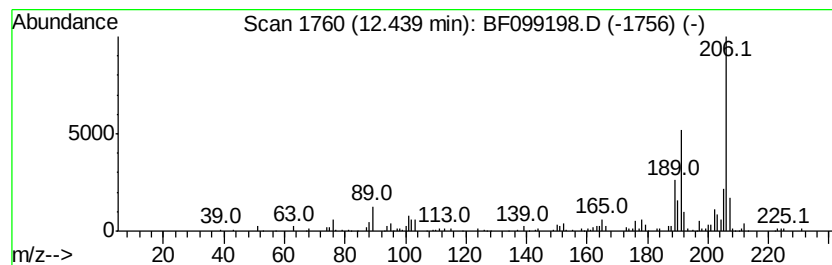
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Phenanthrene, 2,5-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.44	3.20 ng	121624	Phenanthrene-d10	11.39

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2			9,10-Dimethylantracene	206	C16H14	000781-43-1	95
3			Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
4			Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	91
5			Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	91



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100717\
Data File : BF099198.D
Acq On : 7 Oct 2017 17:03
Operator : SJ/JU
Sample : I5678-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-03-100417

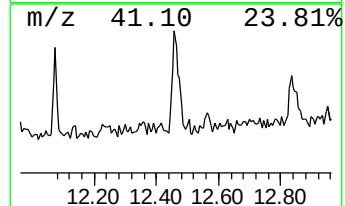
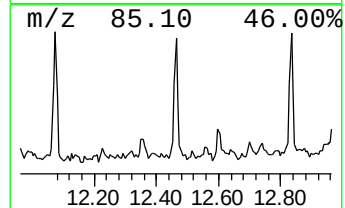
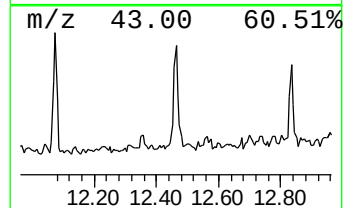
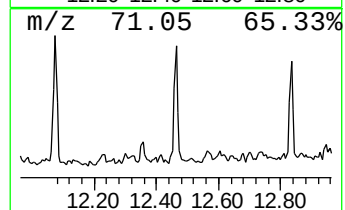
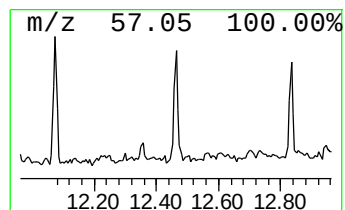
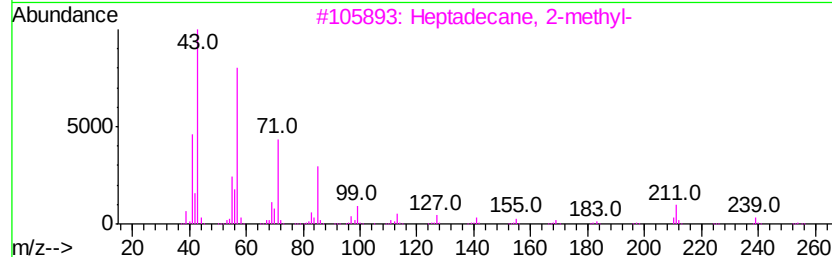
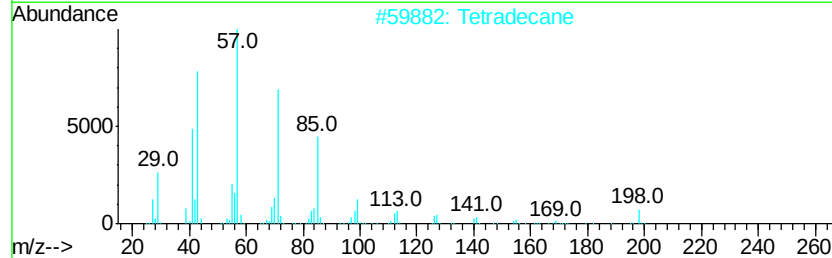
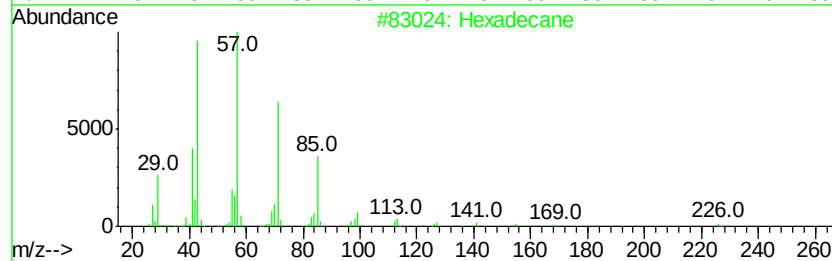
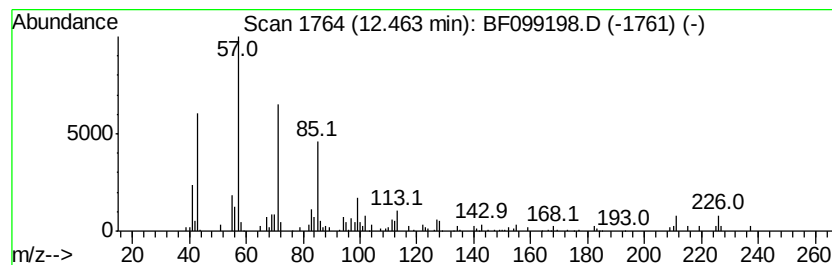
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Hexadecane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.46	5.48 ng	208455	Phenanthrene-d10	11.39

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexadecane	226	C16H34	000544-76-3	87
2		Tetradecane	198	C14H30	000629-59-4	46
3		Heptadecane, 2-methyl-	254	C18H38	001560-89-0	43
4		Tetracosane	338	C24H50	000646-31-1	41
5		Heneicosane	296	C21H44	000629-94-7	41



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100717\
Data File : BF099198.D
Acq On : 7 Oct 2017 17:03
Operator : SJ/JU
Sample : I5678-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-03-100417

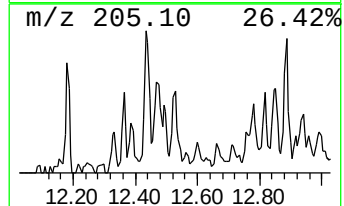
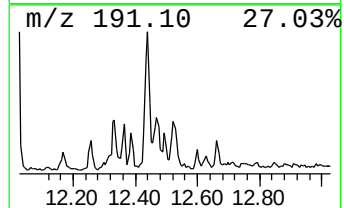
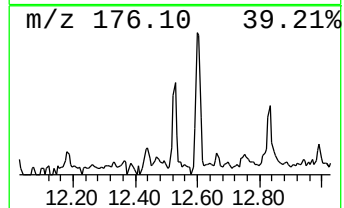
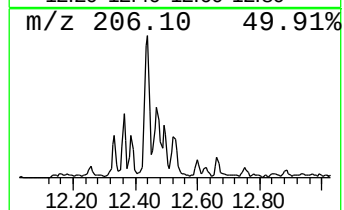
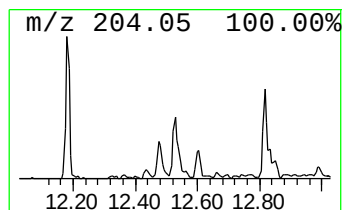
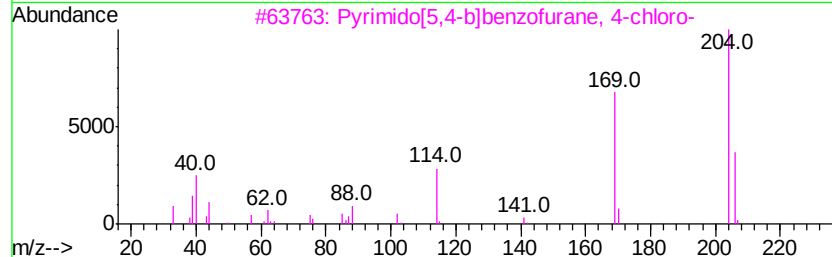
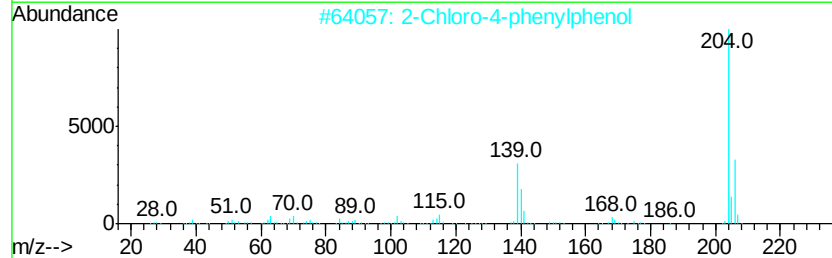
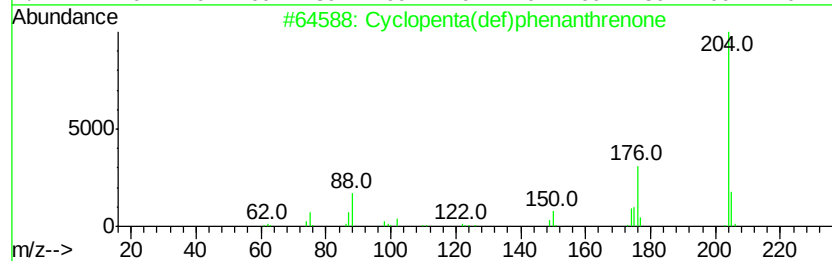
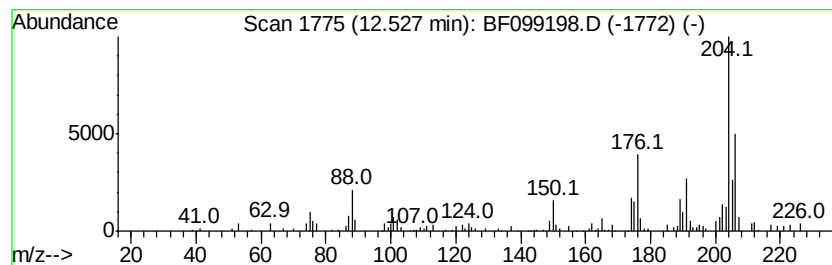
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Cyclopenta(def)phenanthrenone Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.53	2.46 ng	93728	Phenanthrene-d10	11.39

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	92
2		2-Chloro-4-phenylphenol	204	C12H9ClO	000092-04-6	43
3		Pyrimido[5,4-b]benzofurane, 4-ch...	204	C10H5ClN2O	039876-88-5	43
4		Benzene, 1-chloro-4-phenoxy-	204	C12H9ClO	007005-72-3	43
5		[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	43



Data Path : Z:\HPCHEM1\BNA F\DATA\BF100717\
Data File : BF099198.D
Acq On : 7 Oct 2017 17:03
Operator : SJ/JU
Sample : I5678-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

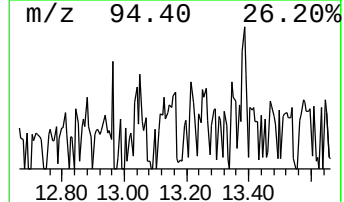
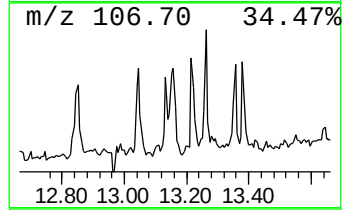
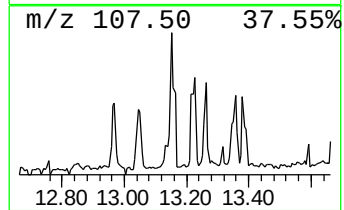
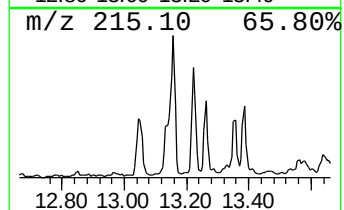
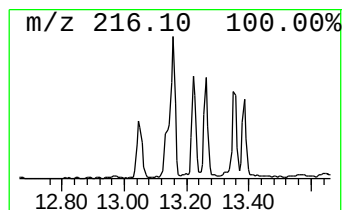
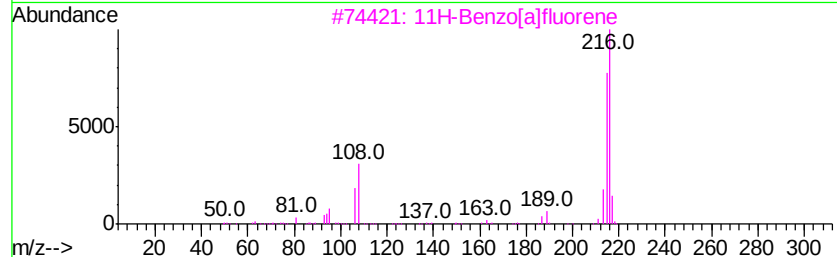
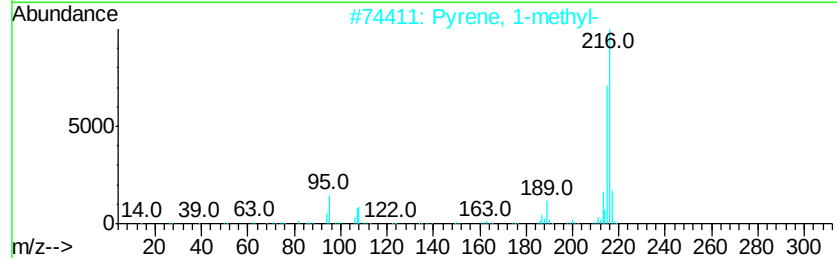
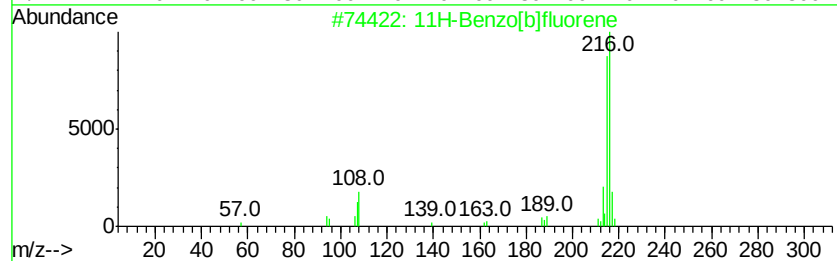
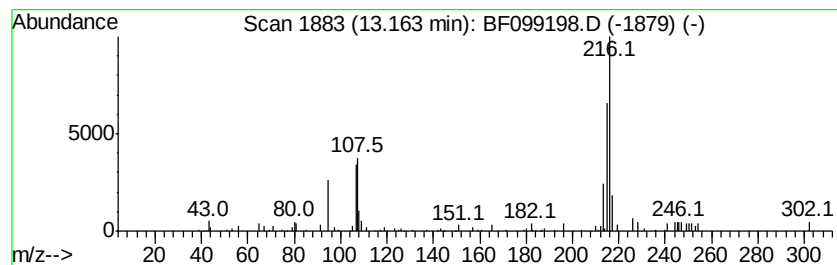
Instrument :
BNA_F
ClientSampleId :
OR-03-100417

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 11H-Benzo[b]fluorene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.16	2.67 ng	138816	Chrysene-d12	14.03
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		11H-Benzo[b]fluorene	216 C17H12	000243-17-4 91
2		Pyrene, 1-methyl-	216 C17H12	002381-21-7 90
3		11H-Benzo[a]fluorene	216 C17H12	000238-84-6 86
4		Fluoranthene, 2-methyl-	216 C17H12	033543-31-6 64
5		7H-Benzo[c]fluorene	216 C17H12	000205-12-9 64



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100717\
Data File : BF099198.D
Acq On : 7 Oct 2017 17:03
Operator : SJ/JU
Sample : I5678-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-03-100417

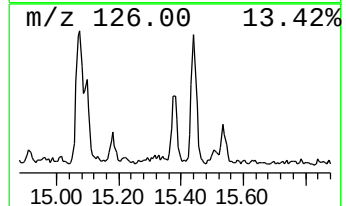
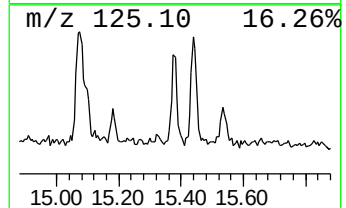
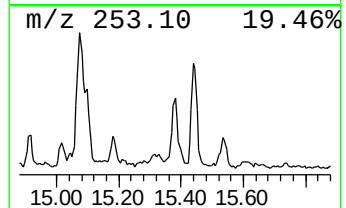
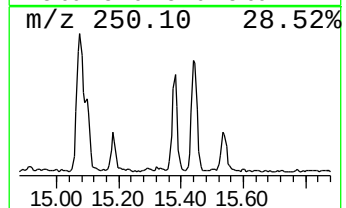
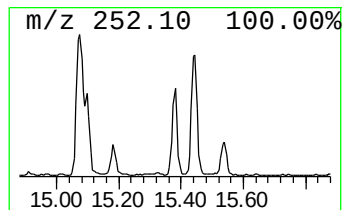
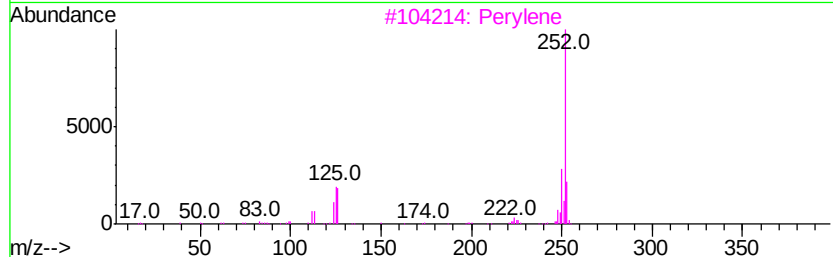
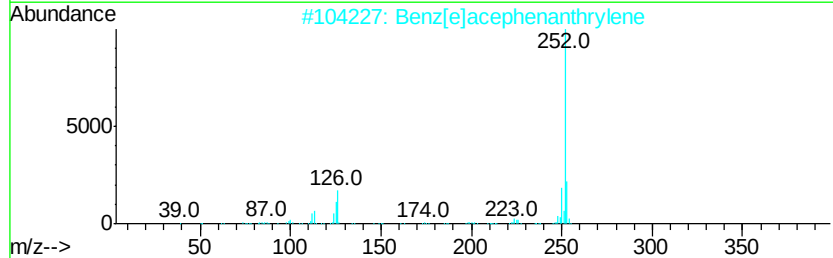
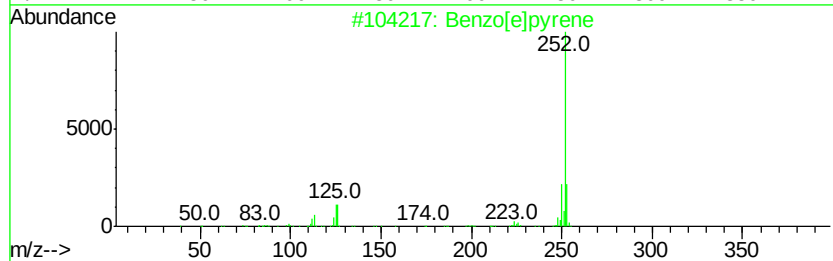
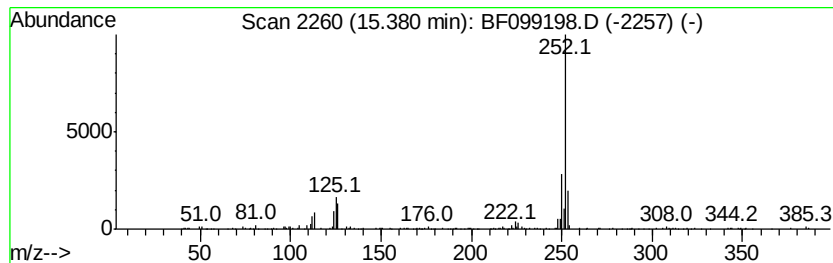
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Benzo[e]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.38	4.78 ng	139802	Perylene-d12	15.51

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[e]pyrene	252	C20H12	000192-97-2	96
2		Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	95
3		Perylene	252	C20H12	000198-55-0	94
4		Benzo[k]fluoranthene	252	C20H12	000207-08-9	89
5		Benzo[a]pyrene	252	C20H12	000050-32-8	74



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100717\
 Data File : BF099198.D
 Acq On : 7 Oct 2017 17:03
 Operator : SJ/JU
 Sample : I5678-01 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-100417

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.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...	5.07	2.7	ng	105810	1	6.86	772008	20.0
unknown6.63	6.63	18.2	ng	702419	1	6.86	772008	20.0
Naphthalene, 1-me...	8.96	4.1	ng	208547	2	8.15	1027930	20.0
Naphthalene, 2,7-...	9.49	2.8	ng	126263	3	9.90	899027	20.0
Naphthalene, 2,3-...	9.56	3.7	ng	166833	3	9.90	899027	20.0
Dodecane, 1-iodo-	10.32	2.8	ng	126294	3	9.90	899027	20.0
Tetradecane	10.79	3.0	ng	115807	4	11.39	761317	20.0
9H-Fluorene, 1-me...	10.99	2.6	ng	97643	4	11.39	761317	20.0
Heptadecane	11.24	2.7	ng	101270	4	11.39	761317	20.0
Naphtho[2,1-b]thi...	11.29	4.3	ng	163075	4	11.39	761317	20.0
Anthracene, 2-met...	11.89	4.7	ng	178636	4	11.39	761317	20.0
Phenanthrene, 2-m...	11.92	4.8	ng	184763	4	11.39	761317	20.0
4H-Cyclopenta[def...	12.00	7.5	ng	286165	4	11.39	761317	20.0
Tricyclo[8.2.2.2(...	12.18	2.6	ng	99156	4	11.39	761317	20.0
Phenanthrene, 2,5...	12.44	3.2	ng	121624	4	11.39	761317	20.0
Hexadecane	12.46	5.5	ng	208455	4	11.39	761317	20.0
Cyclopenta(def)ph...	12.53	2.5	ng	93728	4	11.39	761317	20.0
11H-Benzo[b]fluorene	13.16	2.7	ng	138816	5	14.03	1038350	20.0
Benzo[e]pyrene	15.38	4.8	ng	139802	6	15.51	585060	20.0