

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080417\
 Data File : BF097370.D
 Acq On : 4 Aug 2017 21:59
 Operator : SJ/JU
 Sample : I4555-04
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 2013

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-BF072517.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	3.110	218	225	236	rBV	193976	395993	16.65%	0.989%
2	4.569	470	473	493	rBV	269973	434189	18.26%	1.084%
3	5.040	550	553	580	rBV	1942119	2378047	100.00%	5.937%
4	6.122	733	737	750	rBV	1618577	2227712	93.68%	5.561%
5	6.222	750	754	765	rVB	1782568	2129144	89.53%	5.315%
6	6.439	787	791	795	rBV	769140	711927	29.94%	1.777%
7	6.592	813	817	826	rVB	1693886	1550946	65.22%	3.872%
8	7.010	884	888	898	rBV	1666509	1565395	65.83%	3.908%
9	7.322	936	941	945	rVV	56419	81001	3.41%	0.202%
10	7.722	1005	1009	1011	rBV	1101994	966486	40.64%	2.413%
11	7.739	1011	1012	1021	rVB	133515	141793	5.96%	0.354%
12	7.904	1036	1040	1044	rBV	342083	334657	14.07%	0.835%
13	8.169	1080	1085	1092	rBV	64981	79885	3.36%	0.199%
14	8.433	1127	1130	1133	rVB2	72039	63072	2.65%	0.157%
15	8.528	1143	1146	1151	rVB	60401	67598	2.84%	0.169%
16	8.798	1187	1192	1195	rBV	2252907	2033041	85.49%	5.075%
17	9.063	1232	1237	1240	rBV4	33607	54991	2.31%	0.137%
18	9.127	1245	1248	1251	rBV	60881	72622	3.05%	0.181%
19	9.198	1257	1260	1264	rVV	359519	320447	13.48%	0.800%
20	9.322	1278	1281	1287	rBV	117266	120537	5.07%	0.301%
21	9.463	1301	1305	1308	rBV	1002960	872785	36.70%	2.179%
22	9.492	1308	1310	1315	rVB	182933	155033	6.52%	0.387%
23	9.669	1336	1340	1344	rVB	141434	130883	5.50%	0.327%
24	9.875	1371	1375	1380	rBV4	30485	54317	2.28%	0.136%
25	10.004	1394	1397	1404	rVB	194916	193066	8.12%	0.482%
26	10.133	1414	1419	1422	rBV5	47024	63948	2.69%	0.160%
27	10.163	1422	1424	1427	rBV	66247	57603	2.42%	0.144%
28	10.245	1435	1438	1444	rBV	1010143	1056616	44.43%	2.638%
29	10.363	1454	1458	1460	rBV	165662	182818	7.69%	0.456%
30	10.380	1460	1461	1468	rVB3	94527	126161	5.31%	0.315%
31	10.704	1514	1516	1521	rVB	64476	66311	2.79%	0.166%
32	10.751	1521	1524	1528	rBV	128442	116843	4.91%	0.292%
33	10.792	1528	1531	1534	rBV	55426	54773	2.30%	0.137%
34	10.827	1534	1537	1541	rVB	138482	119614	5.03%	0.299%

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080417\
 Data File : BF097370.D
 Acq On : 4 Aug 2017 21:59
 Operator : SJ/JU
 Sample : I4555-04
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 2013

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-BF072517.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.933	1550	1555	1557	rBV	863921	847199	35.63%	2.115%
36	10.957	1557	1559	1563	rVV	1572398	1275309	53.63%	3.184%
37	11.010	1563	1568	1572	rVB	444393	413822	17.40%	1.033%
38	11.051	1572	1575	1578	rBV3	49134	57382	2.41%	0.143%
39	11.086	1578	1581	1585	rVB	159282	138909	5.84%	0.347%
40	11.174	1590	1596	1603	rBV	233557	305313	12.84%	0.762%
41	11.251	1607	1609	1612	rBV4	36528	47462	2.00%	0.118%
42	11.339	1621	1624	1630	rVB2	37317	50299	2.12%	0.126%
43	11.433	1636	1640	1642	rBV	208224	180180	7.58%	0.450%
44	11.463	1642	1645	1647	rVV	250715	213461	8.98%	0.533%
45	11.492	1647	1650	1651	rVV	149688	137662	5.79%	0.344%
46	11.510	1651	1653	1655	rVV	150195	122382	5.15%	0.306%
47	11.539	1655	1658	1661	rVV	275591	287992	12.11%	0.719%
48	11.563	1661	1662	1669	rVB	159873	130298	5.48%	0.325%
49	11.727	1687	1690	1693	rVV	141995	140487	5.91%	0.351%
50	11.763	1693	1696	1700	rVB2	107156	96494	4.06%	0.241%
51	11.980	1729	1733	1735	rBV	149070	149181	6.27%	0.372%
52	12.016	1735	1739	1741	rVV2	66930	83220	3.50%	0.208%
53	12.039	1741	1743	1745	rVV2	54032	51965	2.19%	0.130%
54	12.068	1745	1748	1752	rVB2	147517	136308	5.73%	0.340%
55	12.139	1755	1760	1763	rBV	1620134	1496093	62.91%	3.735%
56	12.186	1764	1768	1770	rBV2	62642	75319	3.17%	0.188%
57	12.227	1773	1775	1779	rVB	44843	48991	2.06%	0.122%
58	12.280	1779	1784	1789	rBV2	137142	228539	9.61%	0.571%
59	12.363	1792	1798	1801	rBV	1444963	1544269	64.94%	3.855%
60	12.416	1804	1807	1812	rVB3	108765	169309	7.12%	0.423%
61	12.486	1815	1819	1820	rBV2	122539	115372	4.85%	0.288%
62	12.510	1820	1823	1830	rVB	1226998	1319097	55.47%	3.293%
63	12.586	1830	1836	1840	rBV2	169545	289368	12.17%	0.722%
64	12.668	1847	1850	1851	rBV3	127467	128443	5.40%	0.321%
65	12.692	1852	1854	1857	rVB	193546	181921	7.65%	0.454%
66	12.757	1862	1865	1867	rBV	70748	68494	2.88%	0.171%
67	12.792	1867	1871	1876	rBV	260604	269907	11.35%	0.674%
68	12.880	1884	1886	1889	rVB	133479	118275	4.97%	0.295%
69	12.916	1889	1892	1895	rBV2	141920	147378	6.20%	0.368%
70	12.986	1902	1904	1906	rBV	58845	55725	2.34%	0.139%
71	13.057	1914	1916	1920	rBV4	69175	102413	4.31%	0.256%

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080417\
 Data File : BF097370.D
 Acq On : 4 Aug 2017 21:59
 Operator : SJ/JU
 Sample : I4555-04
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 2013

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-BF072517.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.204	1938	1941	1944	rVV	266392	249737	10.50%	0.623%
73	13.257	1948	1950	1954	rBV3	37732	46075	1.94%	0.115%
74	13.304	1954	1958	1960	rBV2	190389	225186	9.47%	0.562%
75	13.327	1960	1962	1964	rVV	154868	141158	5.94%	0.352%
76	13.351	1964	1966	1969	rVV	203683	219467	9.23%	0.548%
77	13.410	1973	1976	1979	rBV	206008	198722	8.36%	0.496%
78	13.551	1993	2000	2003	rBV2	1080170	1776028	74.68%	4.434%
79	13.580	2003	2005	2009	rVV	849202	713834	30.02%	1.782%
80	13.633	2012	2014	2016	rBV	114232	90784	3.82%	0.227%
81	13.686	2021	2023	2025	rBV3	72654	64687	2.72%	0.161%
82	13.710	2025	2027	2029	rBV2	74845	67785	2.85%	0.169%
83	13.904	2057	2060	2063	rBV3	112314	135210	5.69%	0.338%
84	13.939	2063	2066	2069	rVV	211328	233887	9.84%	0.584%
85	13.974	2069	2072	2074	rVB2	117407	94271	3.96%	0.235%
86	14.062	2085	2087	2089	rBV	60451	55575	2.34%	0.139%
87	14.133	2097	2099	2102	rVB2	53466	46925	1.97%	0.117%
88	14.415	2144	2147	2149	rBV	97294	87775	3.69%	0.219%
89	14.551	2165	2170	2178	rBV	674246	1293231	54.38%	3.229%
90	14.633	2182	2184	2188	rVB	121808	105575	4.44%	0.264%
91	14.668	2188	2190	2194	rVB	178119	165905	6.98%	0.414%
92	14.721	2196	2199	2203	rVB	250378	245081	10.31%	0.612%
93	14.792	2208	2211	2216	rVV	379530	421154	17.71%	1.051%
94	14.845	2216	2220	2225	rVV	546399	652022	27.42%	1.628%
95	14.898	2225	2229	2231	rVV	395160	446166	18.76%	1.114%
96	14.921	2231	2233	2242	rVB3	158030	223070	9.38%	0.557%
97	15.462	2322	2325	2336	rVB	240802	382423	16.08%	0.955%
98	16.092	2428	2432	2437	rBV	200803	310632	13.06%	0.775%
99	16.451	2489	2493	2503	rVB	135410	251394	10.57%	0.628%
100	16.956	2571	2579	2591	rVB2	378465	908388	38.20%	2.268%

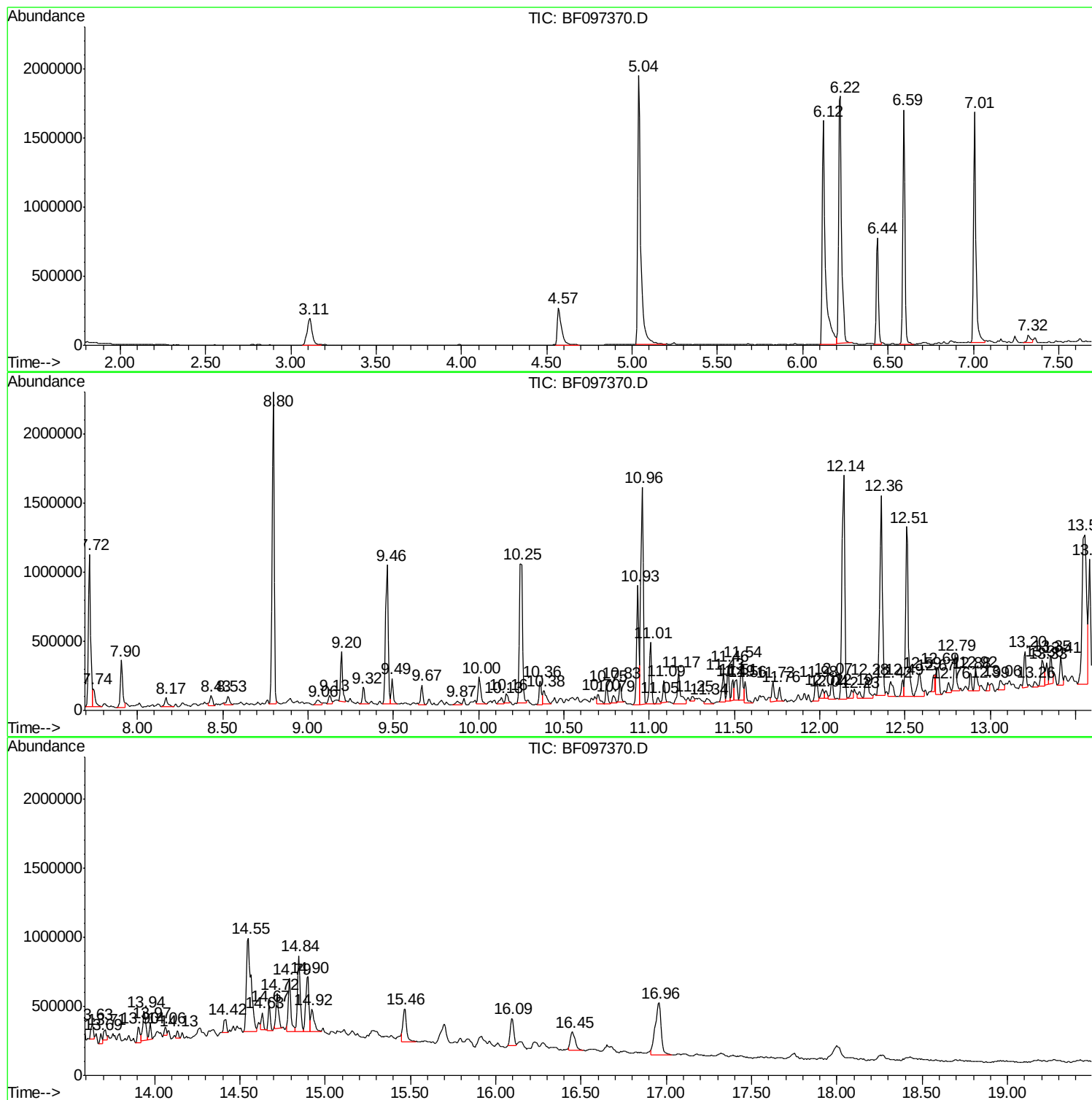
Sum of corrected areas: 40056639

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080417\
Data File : BF097370.D
Acq On : 4 Aug 2017 21:59
Operator : SJ/JU
Sample : I4555-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampled :
2013

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.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\BF080417\
Data File : BF097370.D
Acq On : 4 Aug 2017 21:59
Operator : SJ/JU
Sample : I4555-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
2013

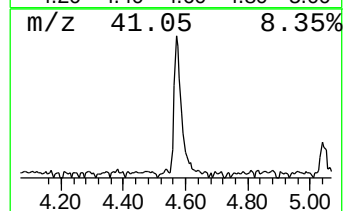
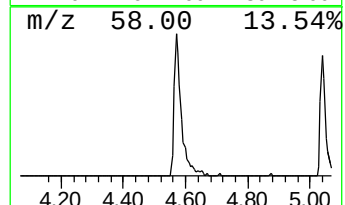
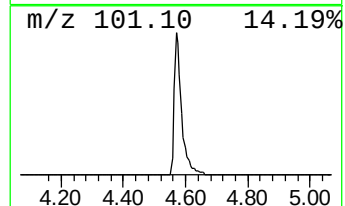
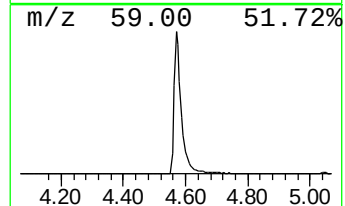
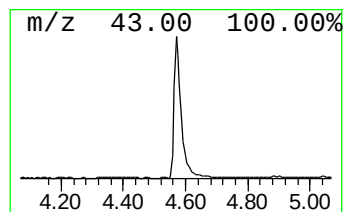
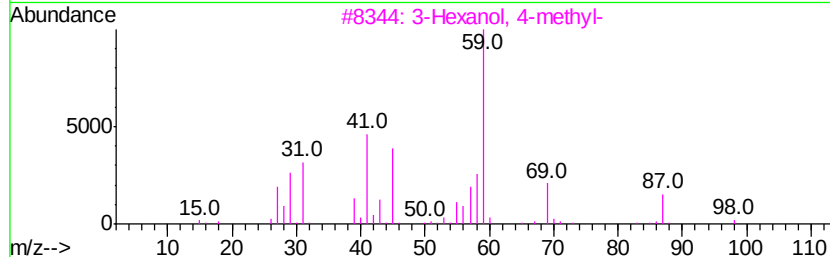
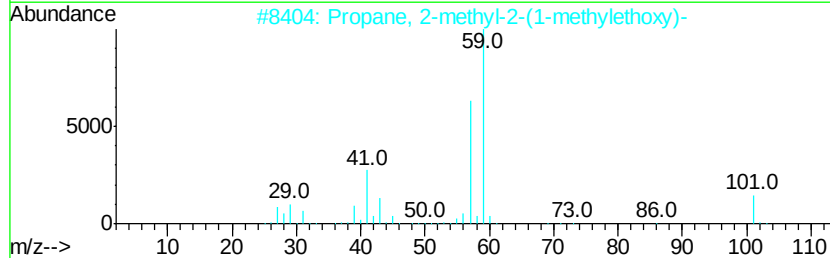
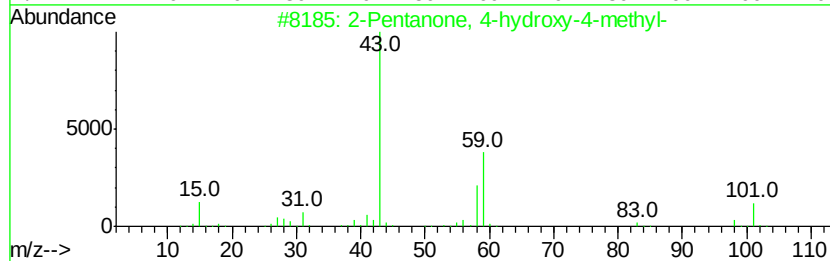
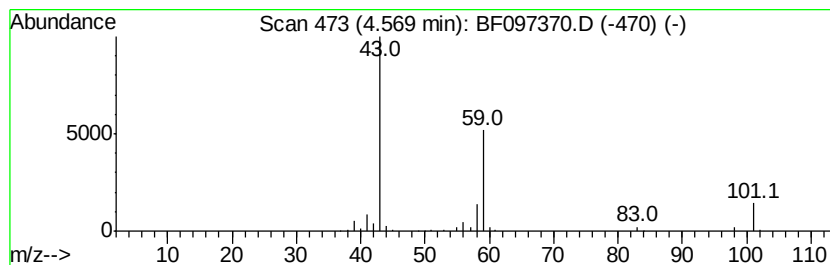
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.57	12.20 ng	434189	1,4-Dichlorobenzene-d4	6.44

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2		Propane, 2-methyl-2-(1-methylethoxy)-	116	C7H16O	017348-59-3	36
3		3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
4		3-Hexanol	102	C6H14O	000623-37-0	33
5		2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	28



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080417\
Data File : BF097370.D
Acq On : 4 Aug 2017 21:59
Operator : SJ/JU
Sample : I4555-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
2013

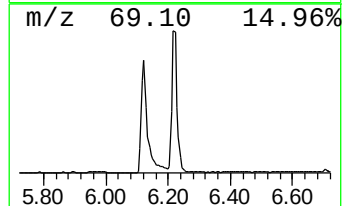
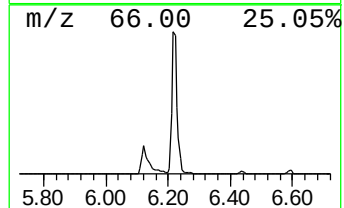
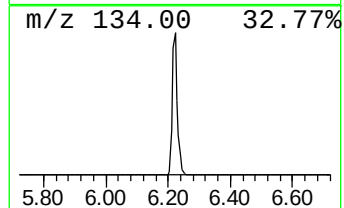
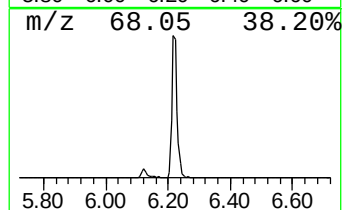
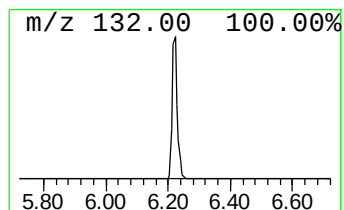
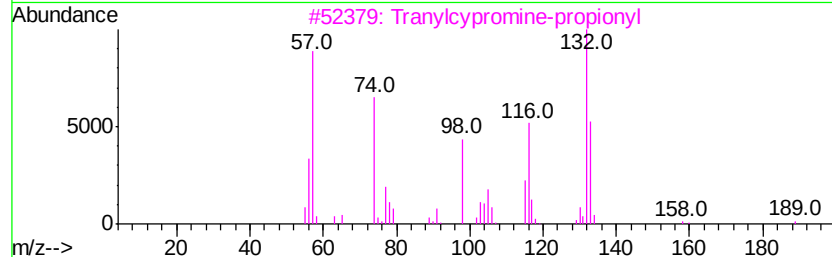
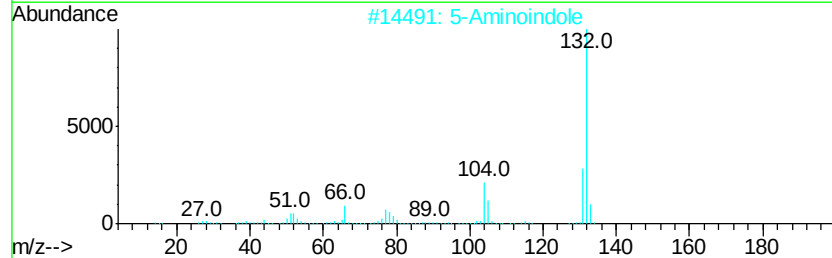
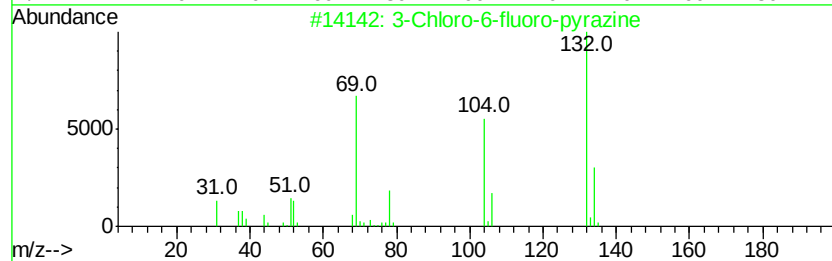
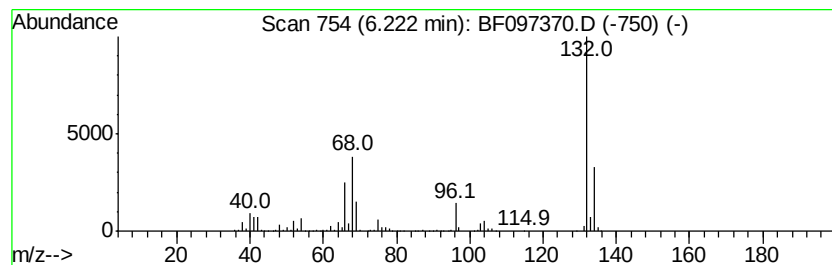
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 unknown6.22 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.22	59.81 ng	2129140	1,4-Dichlorobenzene-d4	6.44

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	3	Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	5	Aminoindole	132	C8H8N2	005192-03-0	12
3		Tranvlcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	10
5		Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9



Data Path : Z:\HPCHEM1\BNA F\DATA\BF080417\
Data File : BF097370.D
Acq On : 4 Aug 2017 21:59
Operator : SJ/JU
Sample : I4555-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
2013

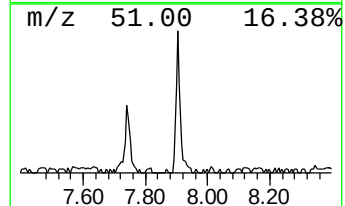
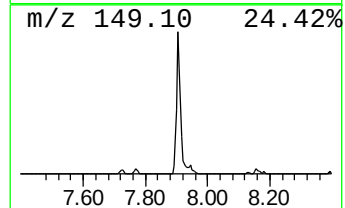
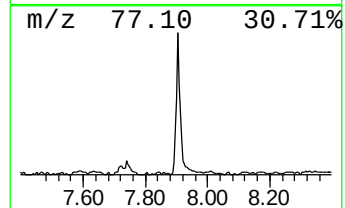
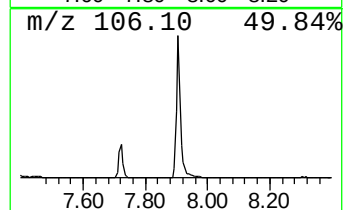
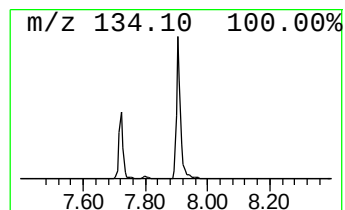
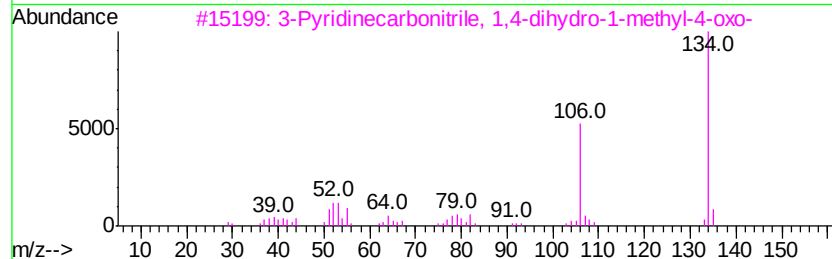
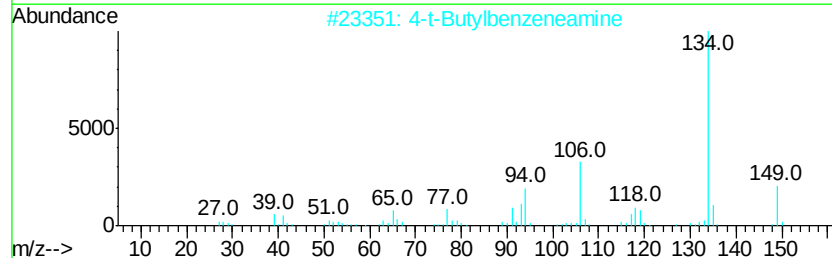
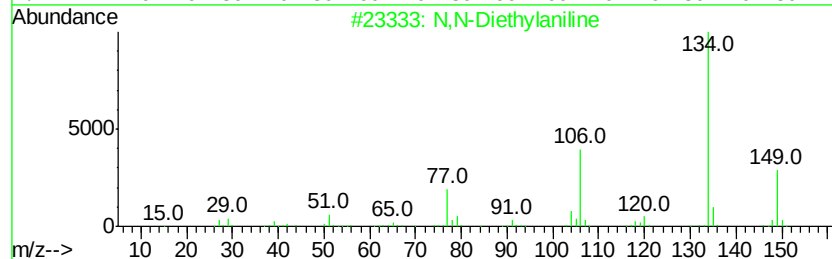
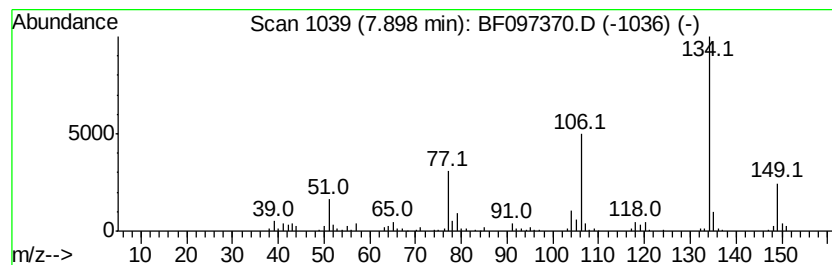
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 N,N-Diethylaniline Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.90	6.93 ng	334657	Napthalene-d8	7.72

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	N,N-Diethylaniline	149	C10H15N	000091-66-7	97
2		4-t-Butylbenzeneamine	149	C10H15N	000769-92-6	59
3		3-Pyridinecarbonitrile, 1,4-dihv...	134	C7H6N2O	000767-98-6	50
4		2-Isopropyl-6-methylaniline	149	C10H15N	005266-85-3	47
5		2H-Benzimidazol-2-one, 1,3-dihydro-	134	C7H6N2O	000615-16-7	46



Data Path : Z:\HPCHEM1\BNA F\DATA\BF080417\
Data File : BF097370.D
Acq On : 4 Aug 2017 21:59
Operator : SJ/JU
Sample : I4555-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

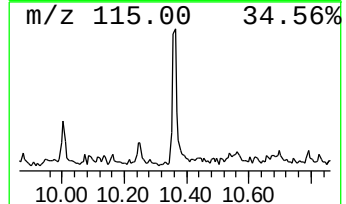
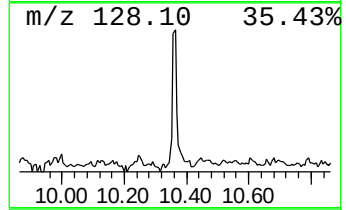
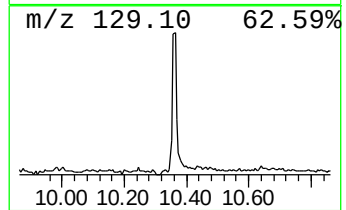
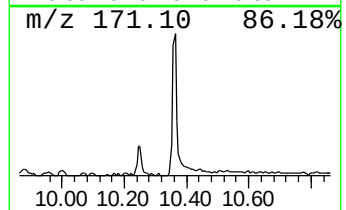
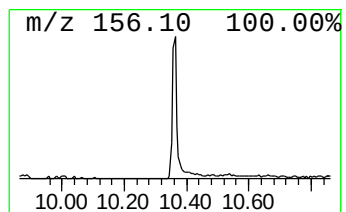
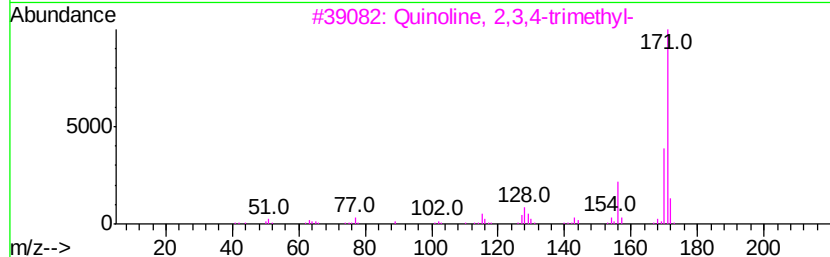
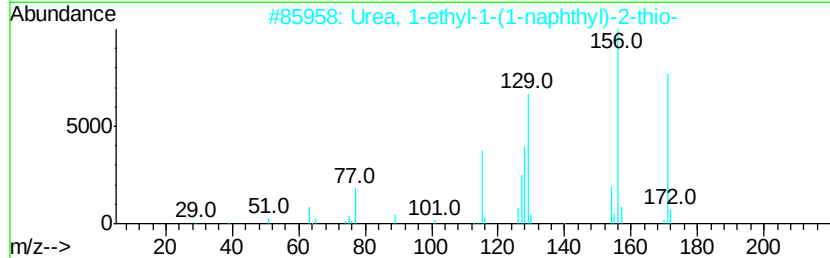
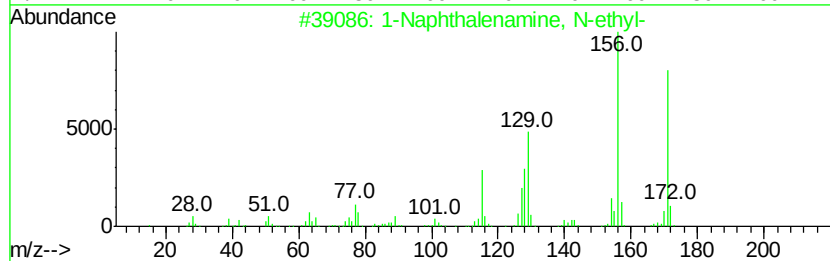
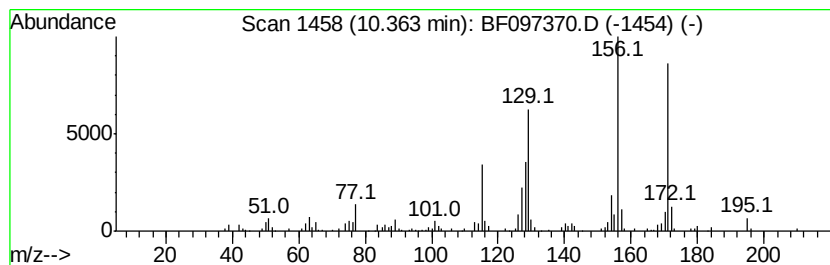
Instrument :
BNA_F
ClientSampled :
2013

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 1-Naphthalenamine, N-ethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD		R.T.		
10.36	4.32 ng	182818	Phenanthrene-d10		10.93		
Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Naphthalenamine, N-ethyl-	171	C12H13N	000118-44-5	99
2			Urea, 1-ethyl-1-(1-naphthyl)-2-t...	230	C13H14N2S	004366-50-1	87
3			Quinoline, 2,3,4-trimethyl-	171	C12H13N	002437-72-1	81
4			2,2-Dimethyl-4-phenyl-2H-pyrrole	171	C12H13N	080541-54-4	58
5			Thieno[3,2-d]isothiazole, 5-meth...	171	C6H5NOS2	1000351-57-0	50



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080417\
Data File : BF097370.D
Acq On : 4 Aug 2017 21:59
Operator : SJ/JU
Sample : I4555-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

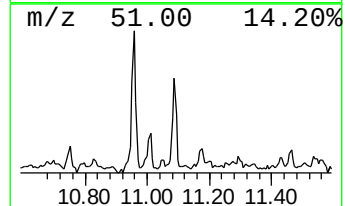
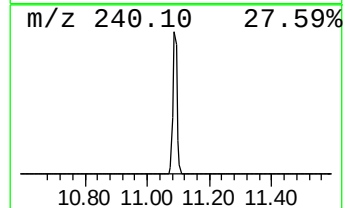
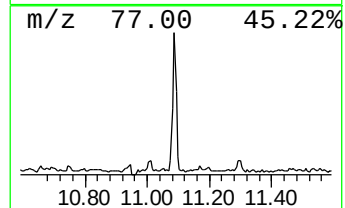
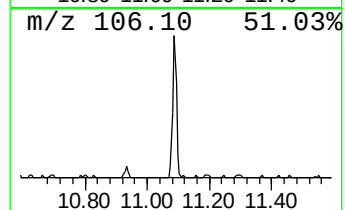
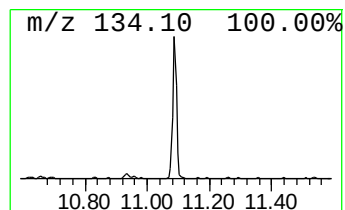
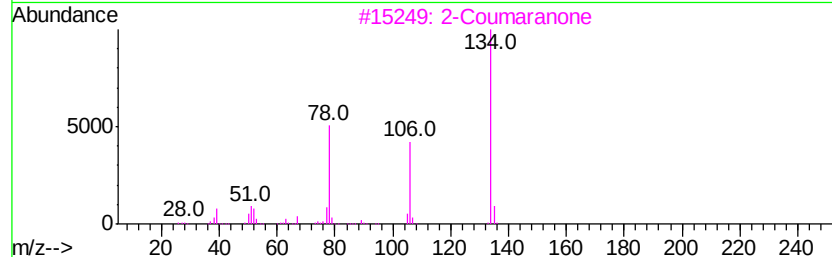
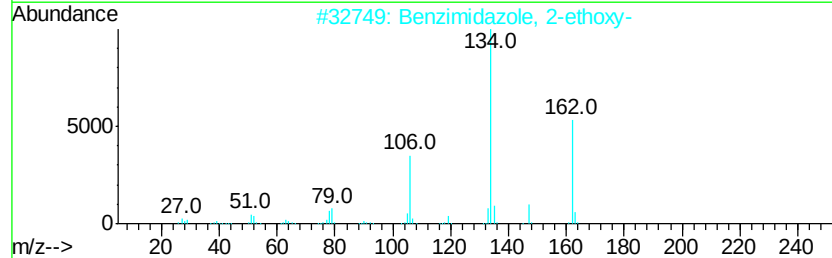
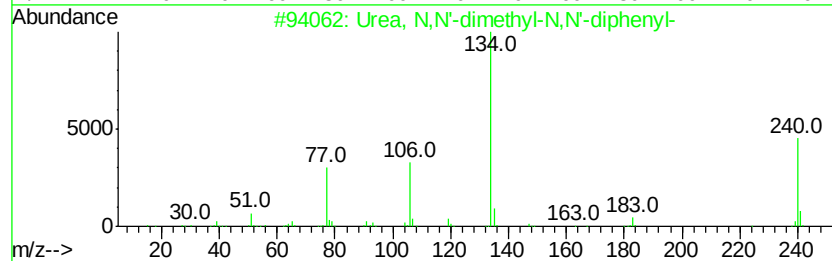
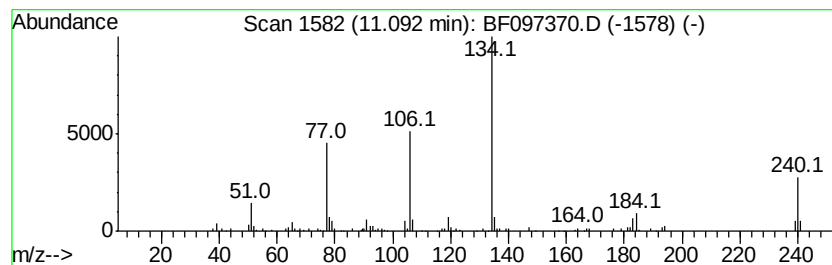
Instrument :
BNA_F
ClientSampleId :
2013

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Urea, N,N'-dimethyl-N,N'-di... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD		R.T.	
11.09	3.28 ng	138909	Phenanthrene-d10		10.93	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Urea, N,N'-dimethyl-N,N'-diphenyl-	240	C15H16N2O	000611-92-7	95
2		Benzimidazole, 2-ethoxy-	162	C9H10N2O	022219-23-4	47
3		2-Coumaranone	134	C8H6O2	000553-86-6	47
4		3-Pyridinecarbonitrile, 1,4-dihy...	134	C7H6N2O	000767-98-6	47
5		2-Methoxycarbonyl-2-methyl-3-(N-...	218	C12H14N2O2	1000090-58-3	45



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080417\
Data File : BF097370.D
Acq On : 4 Aug 2017 21:59
Operator : SJ/JU
Sample : I4555-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
2013

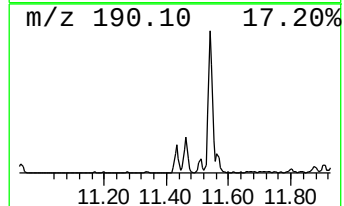
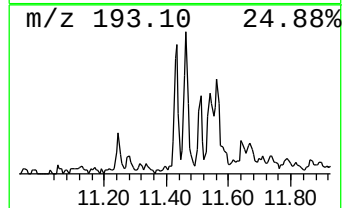
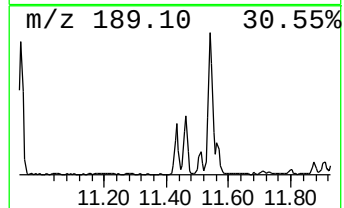
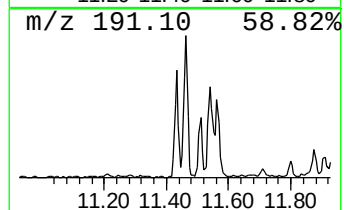
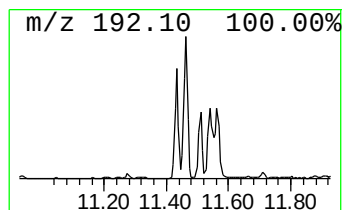
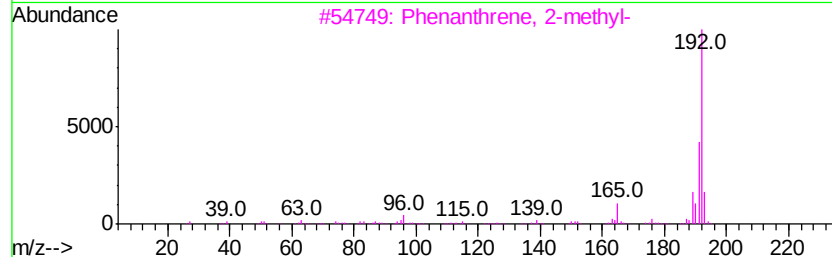
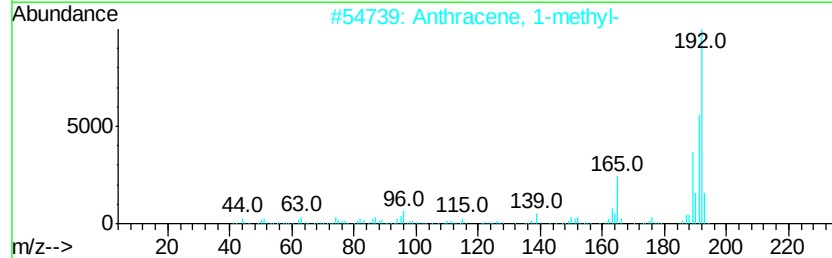
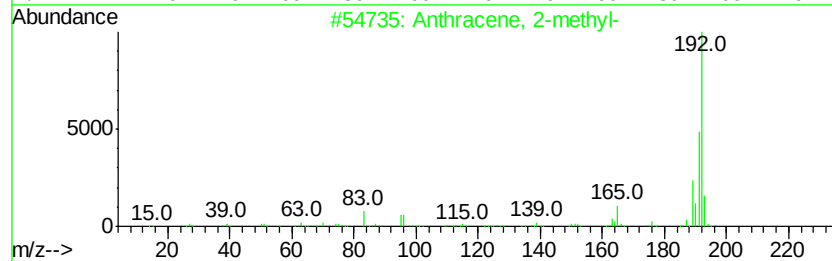
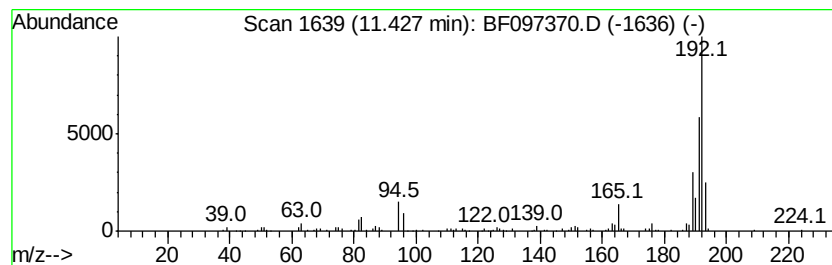
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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.
11.43	4.25 ng	180180	Phenanthrene-d10	10.93

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



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080417\
Data File : BF097370.D
Acq On : 4 Aug 2017 21:59
Operator : SJ/JU
Sample : I4555-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
2013

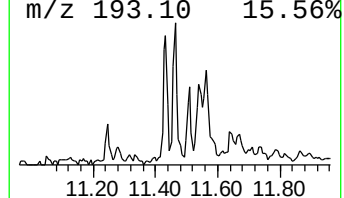
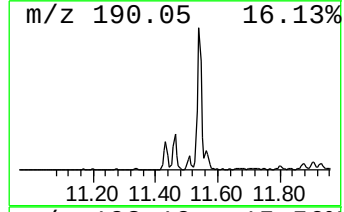
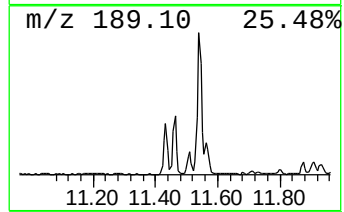
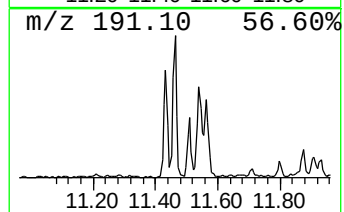
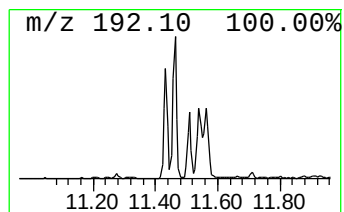
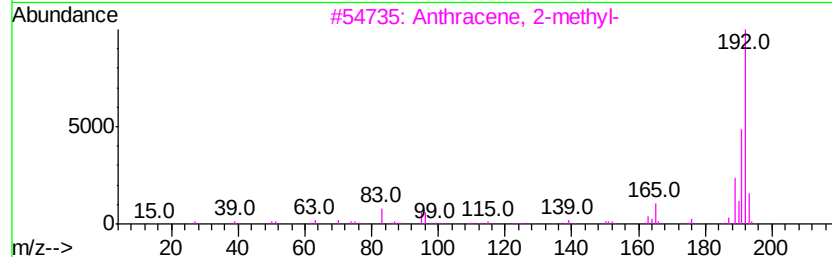
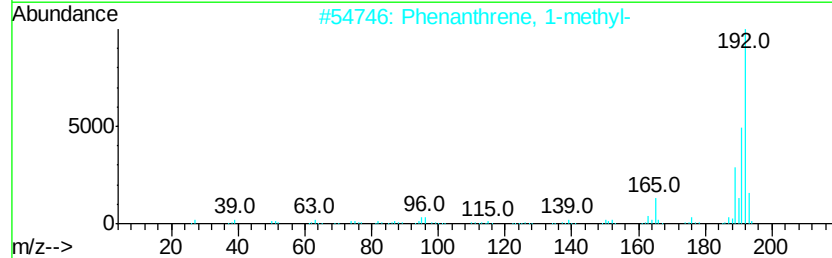
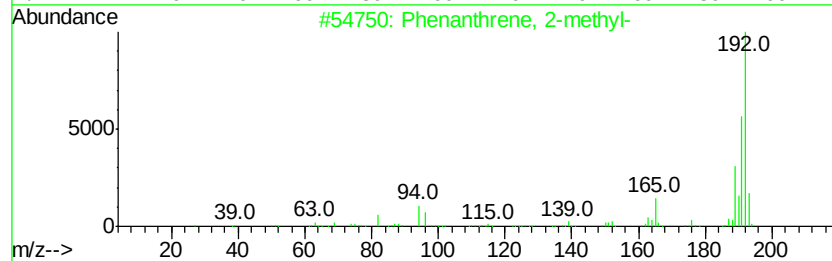
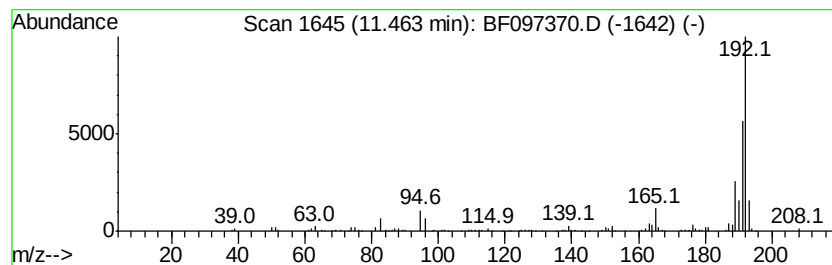
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Phenanthrene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.46	5.04 ng	213461	Phenanthrene-d10	10.93

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3		Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95
5		Anthracene, 1-methyl-	192	C15H12	000610-48-0	95



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080417\
Data File : BF097370.D
Acq On : 4 Aug 2017 21:59
Operator : SJ/JU
Sample : I4555-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

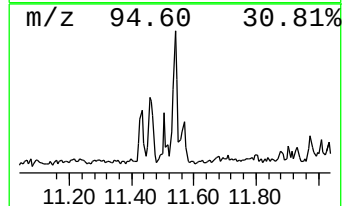
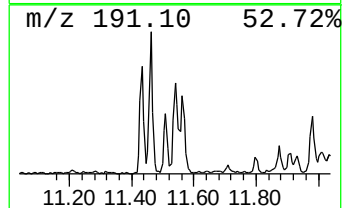
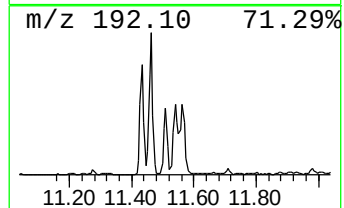
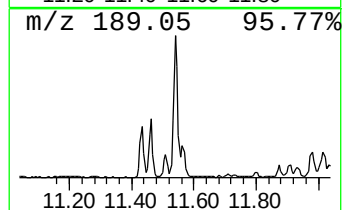
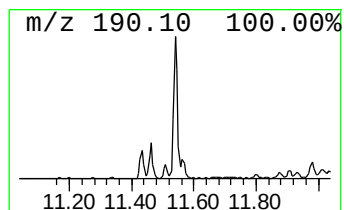
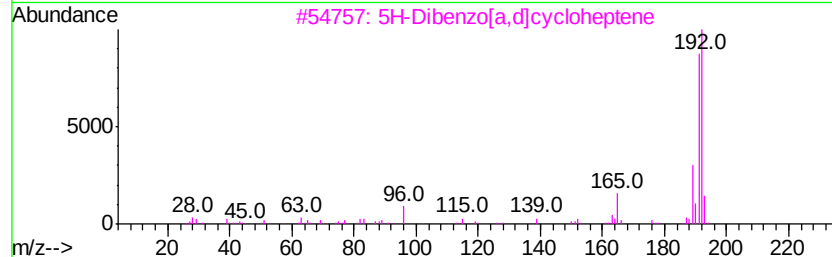
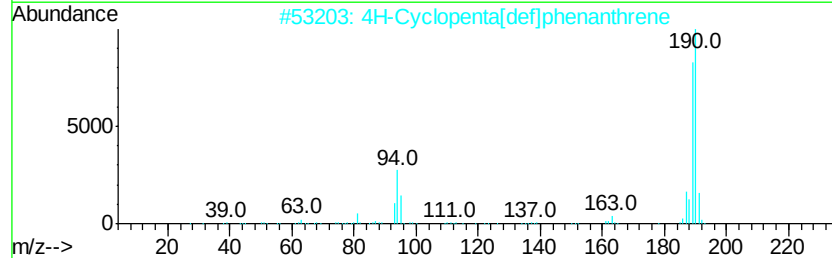
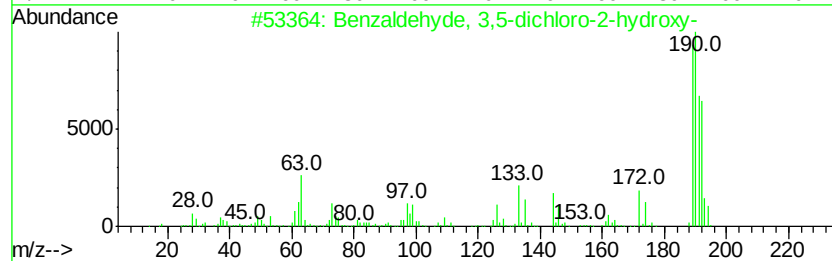
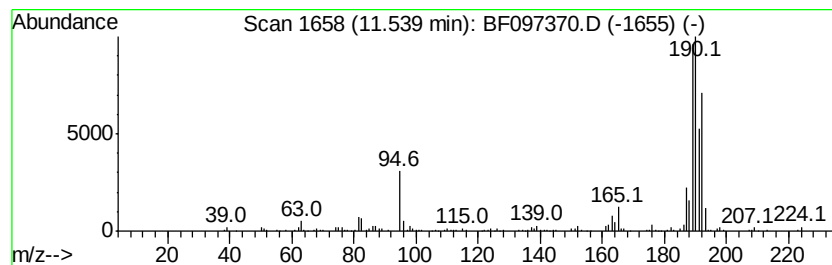
Instrument :
BNA_F
ClientSampleId :
2013

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Benzaldehyde, 3,5-dichloro-... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.54	6.80 ng	287992	Phenanthrene-d10	10.93	
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	70
3	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	38
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	38
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	35



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080417\
Data File : BF097370.D
Acq On : 4 Aug 2017 21:59
Operator : SJ/JU
Sample : I4555-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
2013

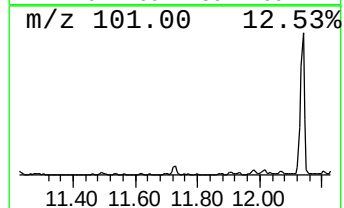
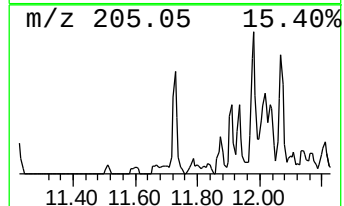
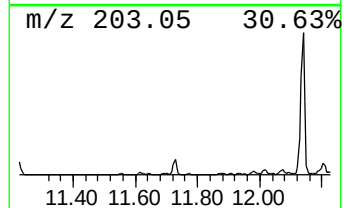
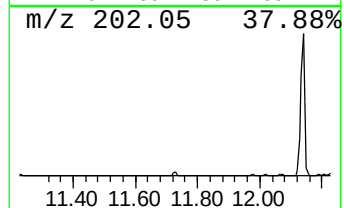
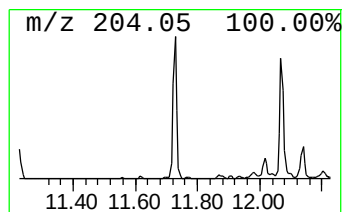
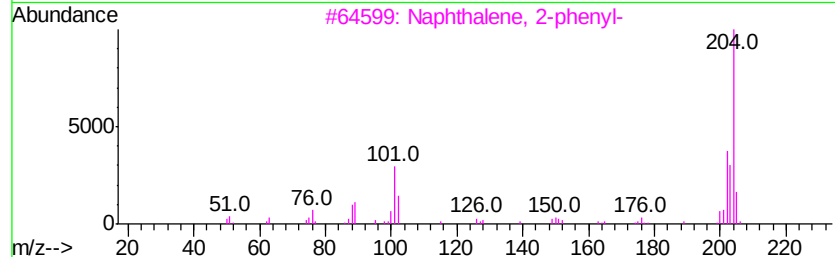
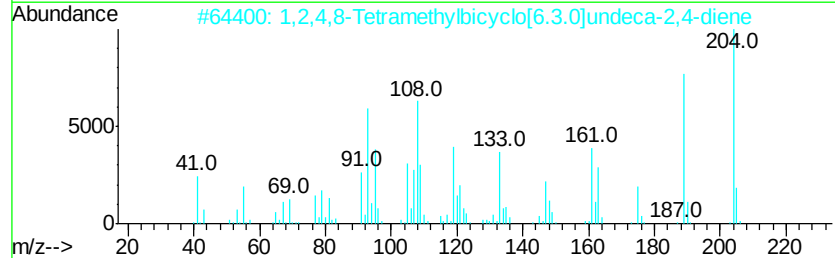
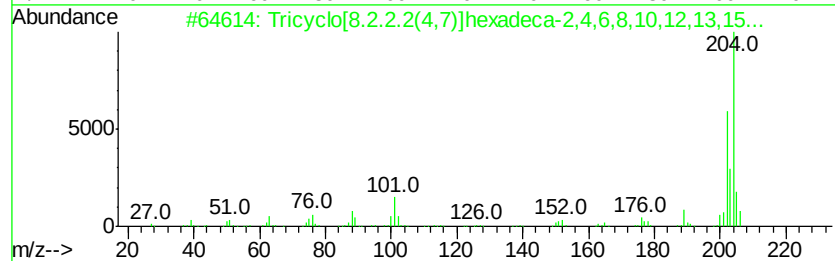
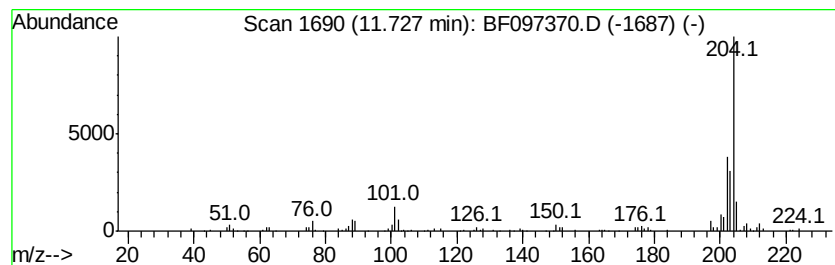
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Tricyclo[8.2.2.2(4,7)]hexad... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.73	3.32 ng	140487	Phenanthrene-d10	10.93

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	90
2		1,2,4,8-Tetramethylbicyclo[6.3.0]undeca-2,4-diene	204	C15H24	137235-51-9	86
3		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76
4		Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	60
5		5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	52



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080417\
Data File : BF097370.D
Acq On : 4 Aug 2017 21:59
Operator : SJ/JU
Sample : I4555-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
2013

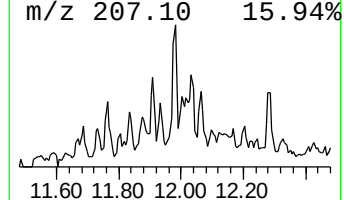
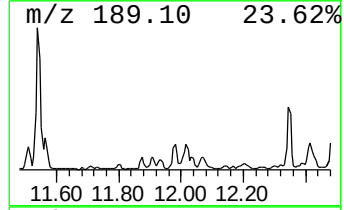
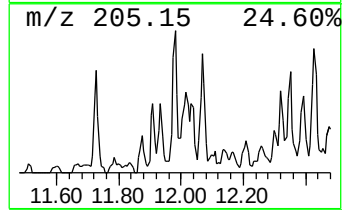
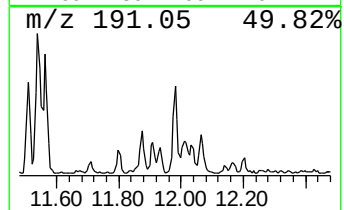
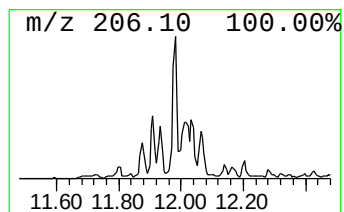
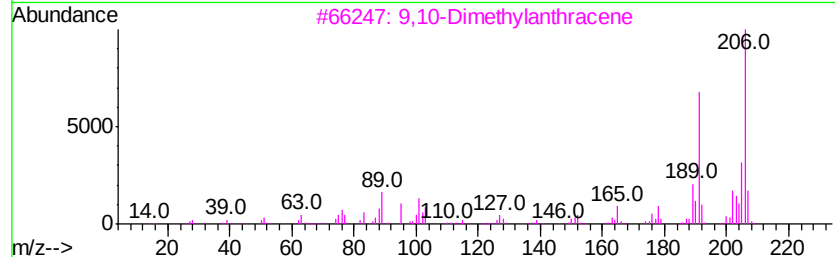
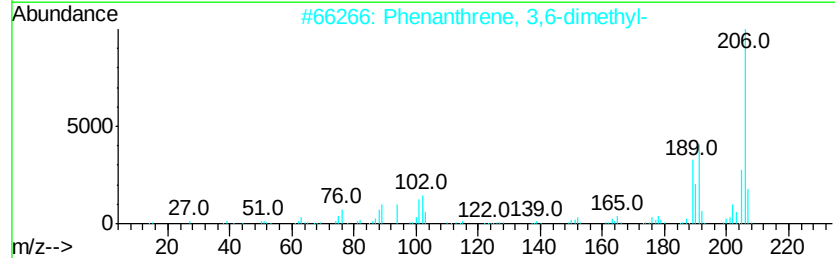
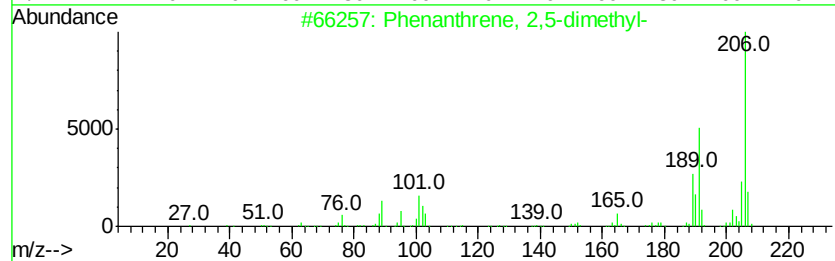
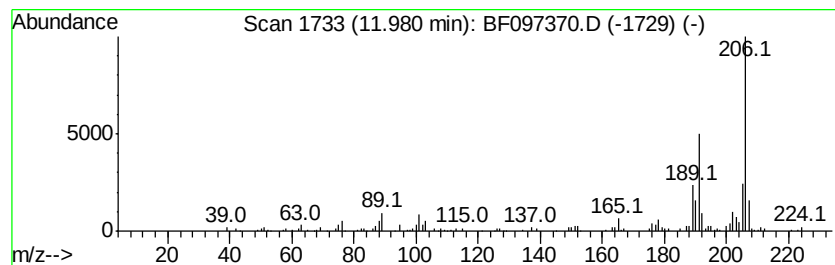
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Phenanthrene, 2,5-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.98	3.52 ng	149181	Phenanthrene-d10	10.93

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	94
2		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
3		9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
4		[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	83
5		di-p-Tolylacetylene	206	C16H14	002789-88-0	83



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080417\
Data File : BF097370.D
Acq On : 4 Aug 2017 21:59
Operator : SJ/JU
Sample : I4555-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
2013

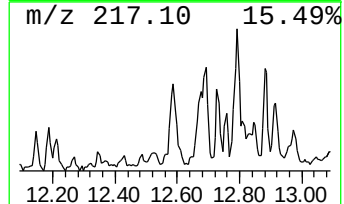
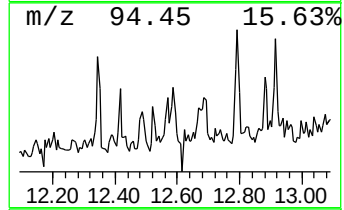
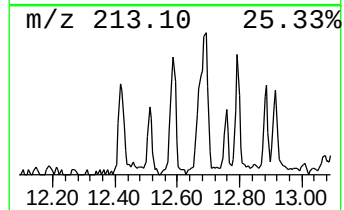
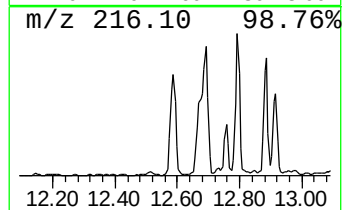
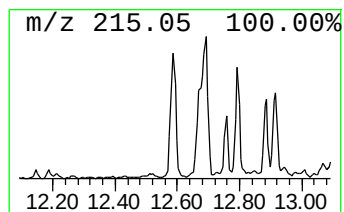
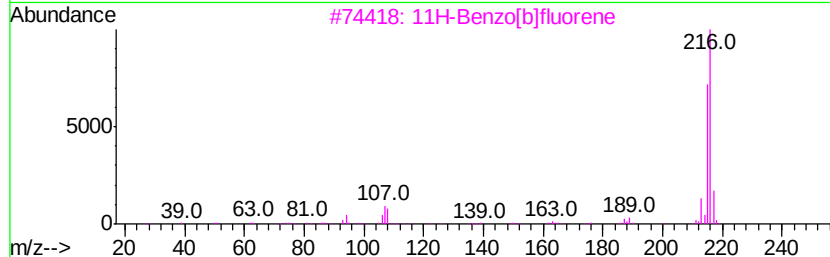
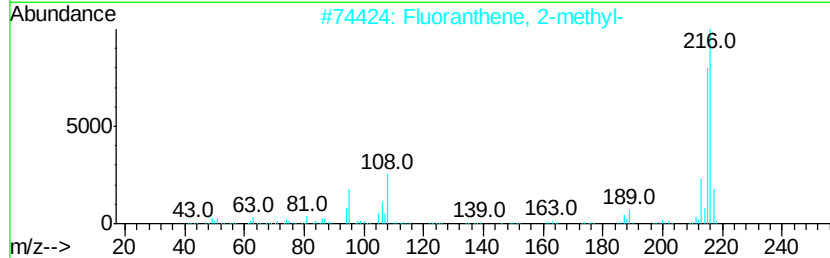
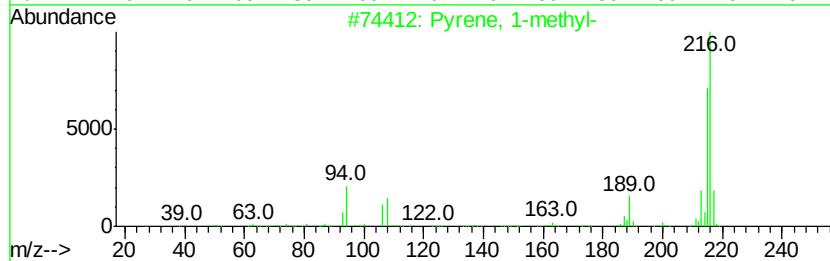
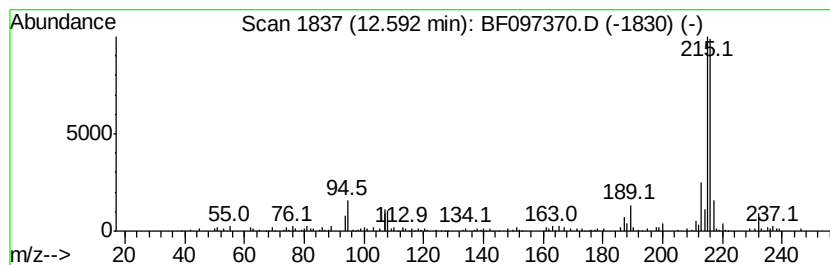
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Pyrene, 1-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.59	3.26 ng	289368	Chrysene-d12	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
3		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
4		Pyrene, 2-methyl-	216	C17H12	003442-78-2	86
5		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81



Data Path : Z:\HPCHEM1\BNA F\DATA\BF080417\
Data File : BF097370.D
Acq On : 4 Aug 2017 21:59
Operator : SJ/JU
Sample : I4555-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

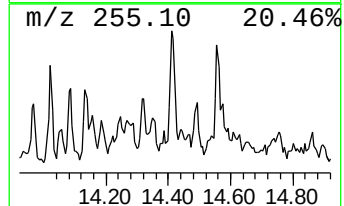
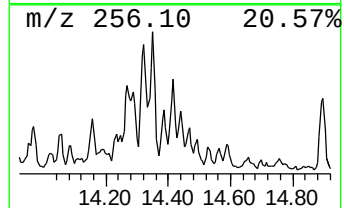
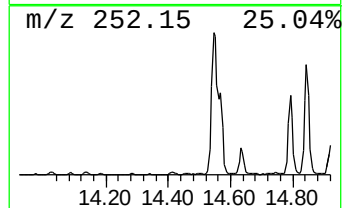
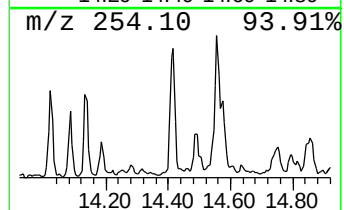
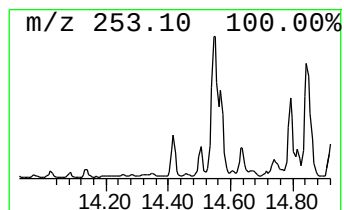
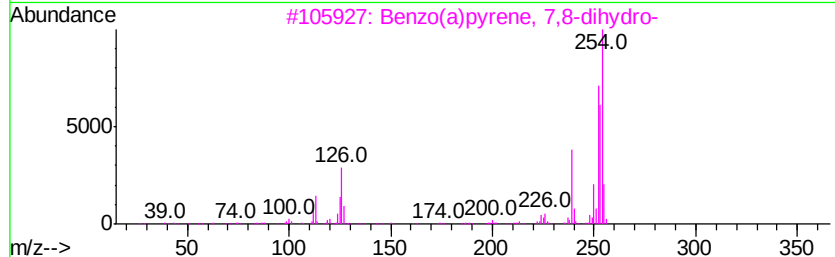
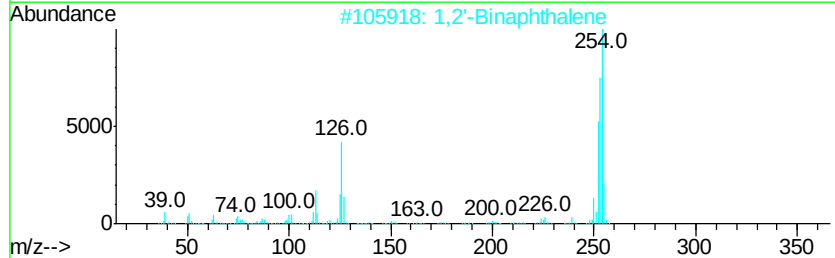
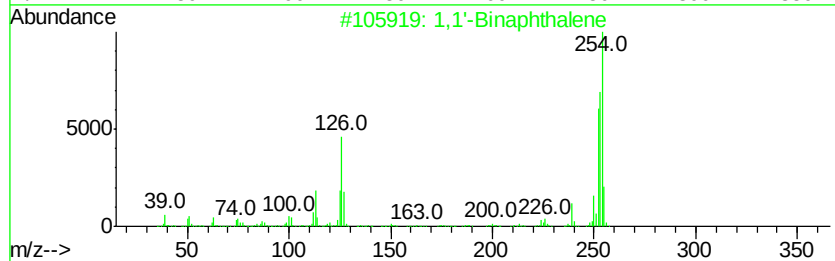
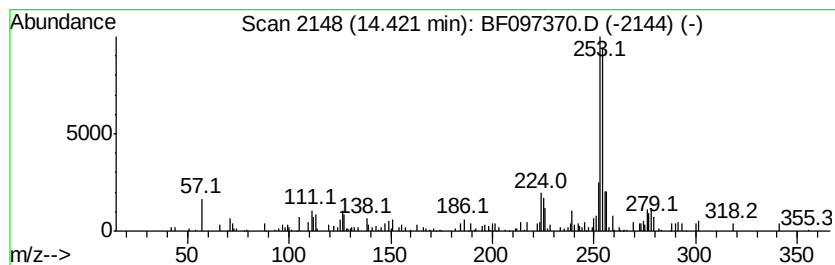
Instrument :
BNA_F
ClientSampled :
2013

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 1,1'-Binaphthalene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.42	3.93 ng	87775	Perylene-d12	14.90
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		1,1'-Binaphthalene	254 C20H14	000604-53-5 76
2		1,2'-Binaphthalene	254 C20H14	004325-74-0 68
3		Benzo(a)pyrene, 7,8-dihydro-	254 C20H14	017573-23-8 64
4		Benzenamine, 4-(2-benzothiazolyl)-	254 C15H14N2S	010205-56-8 59
5		Anthracene, 9-phenyl-	254 C20H14	000602-55-1 59



Data Path : Z:\HPCHEM1\BNA F\DATA\BF080417\
Data File : BF097370.D
Acq On : 4 Aug 2017 21:59
Operator : SJ/JU
Sample : I4555-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampled :
2013

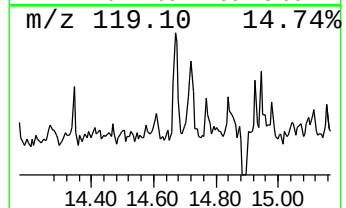
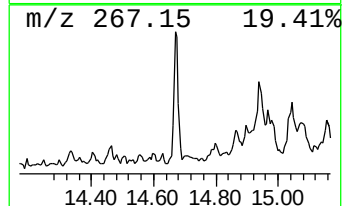
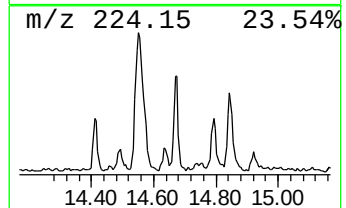
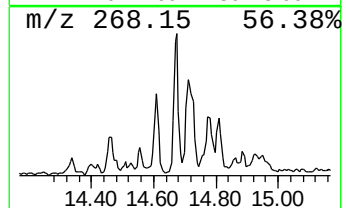
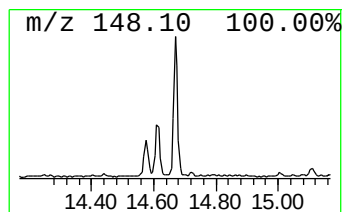
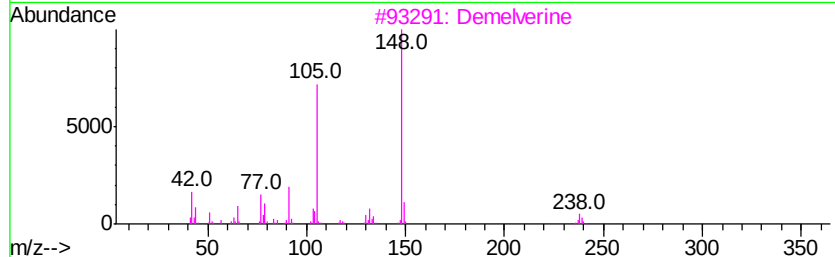
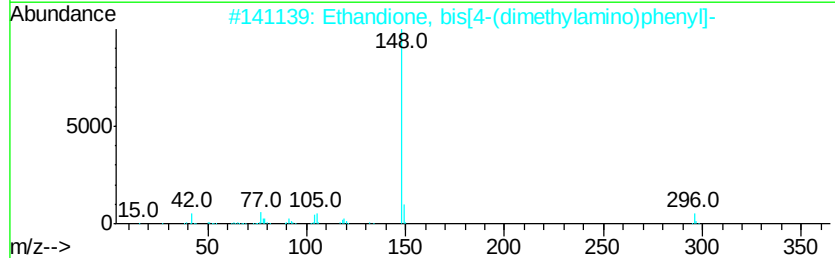
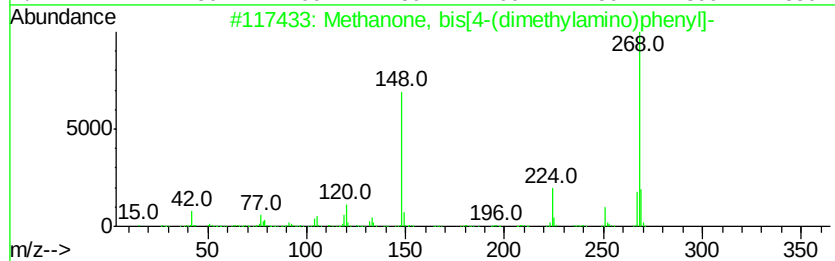
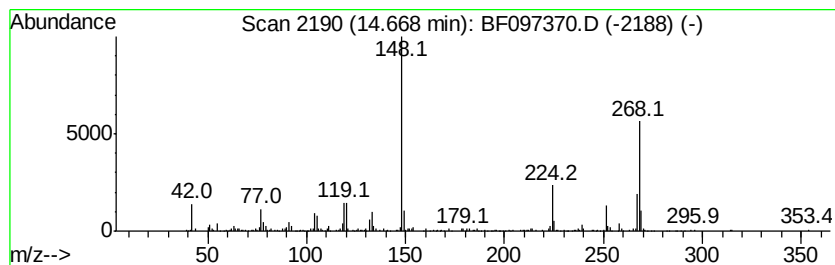
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Methanone, bis[4-(dimethyla... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.67	7.44 ng	165905	Perylene-d12	14.90

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Methanone, bis[4-(dimethylamino)...	268	C17H20N2O	000090-94-8	97
2		Ethandione, bis[4-(dimethylamino)...	296	C18H20N2O2	017078-27-2	42
3		Demelverine	239	C17H21N	013977-33-8	42
4		3-Pyridinecarbonitrile, 1,2-dihy...	148	C8H8N2O	000769-28-8	38
5		N-Ethyl-N-(2-[1,1,3,3,5,5-hexam...	492	C23H40N2O4Si3	1000364-68-4	38



Data Path : Z:\HPCHEM1\BNA F\DATA\BF080417\
Data File : BF097370.D
Acq On : 4 Aug 2017 21:59
Operator : SJ/JU
Sample : I4555-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
2013

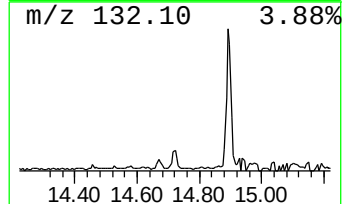
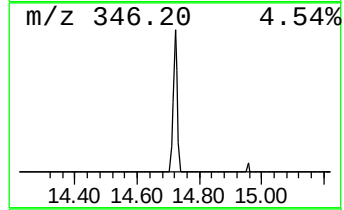
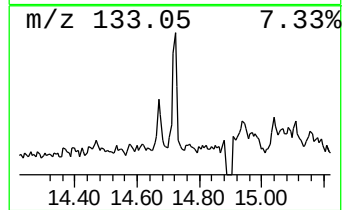
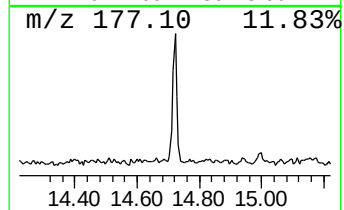
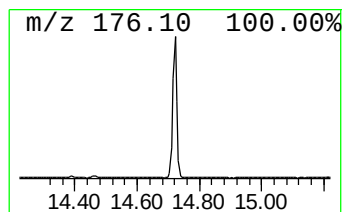
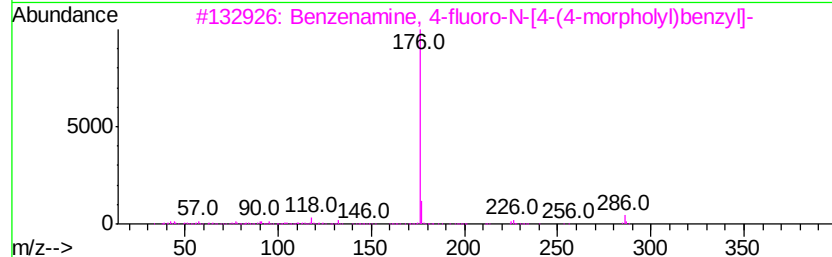
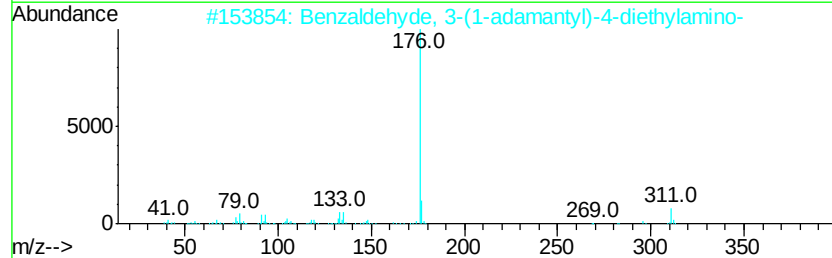
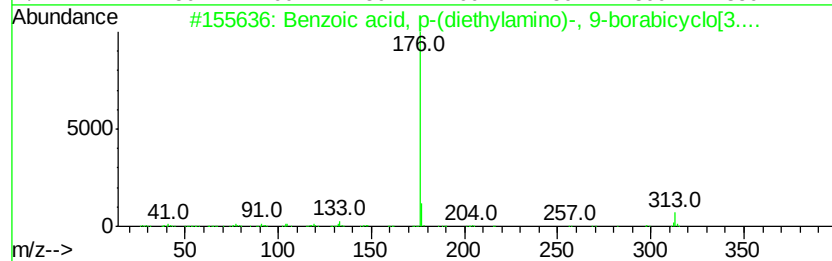
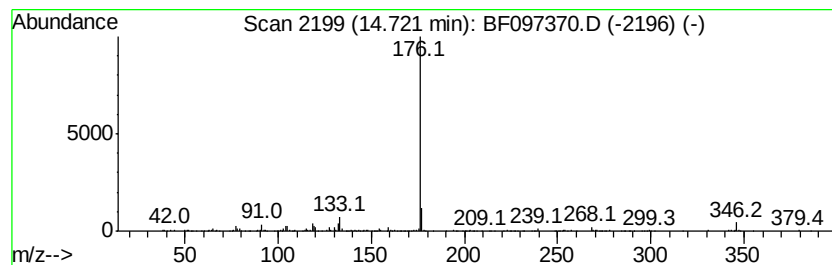
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Benzoic acid, p-(diethylami... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.72	10.99 ng	245081	Perylene-d12	14.90

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzoic acid, p-(diethylamino)-,...	313	C19H28BN02	1000156-56-0	64
2		Benzaldehyde, 3-(1-adamantyl)-4-...	311	C21H29NO	1000272-22-6	56
3		Benzenamine, 4-fluoro-N-[4-(4-mo...	286	C17H19FN2O	1000272-79-7	50
4		Phenol, 4-[(5,6,7,8-tetrahydro-1...	283	C17H17NO3	034168-00-8	50
5		4-(2-t-Butyl-5-oxooxazolidine-3-...	318	C17H22N2O4	1000191-41-7	50



Data Path : Z:\HPCHEM1\BNA F\DATA\BF080417\
Data File : BF097370.D
Acq On : 4 Aug 2017 21:59
Operator : SJ/JU
Sample : I4555-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
2013

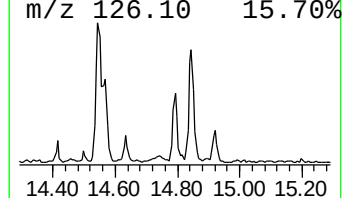
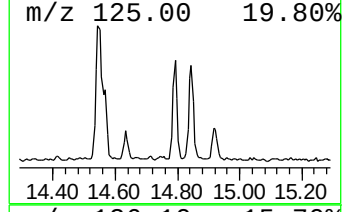
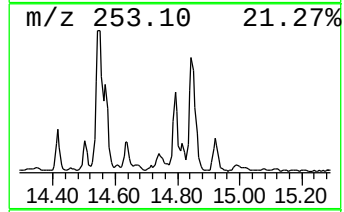
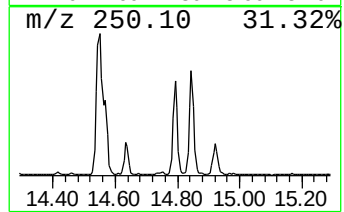
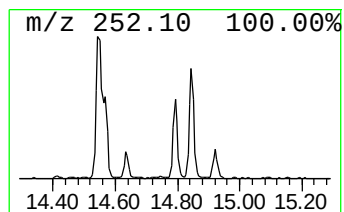
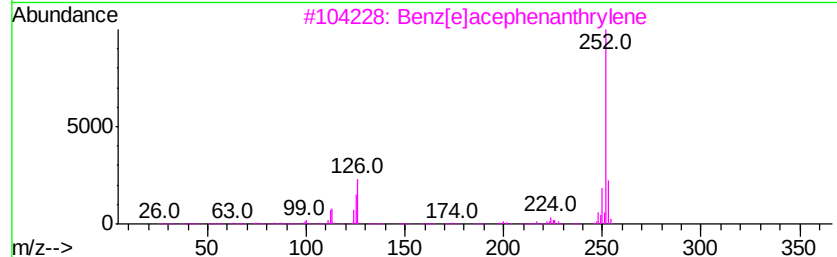
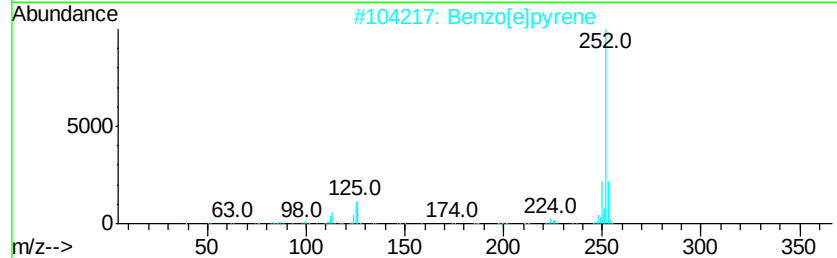
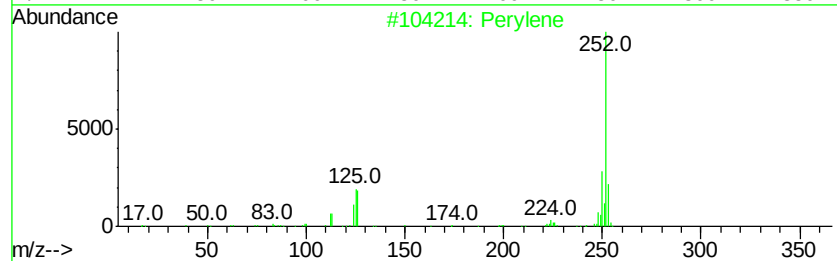
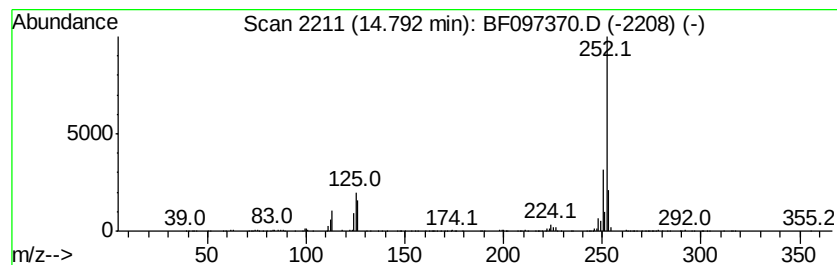
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Perylene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.79	18.88 ng	421154	Perylene-d12	14.90

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Perylene	252	C20H12	000198-55-0	99
2		Benzo[e]pyrene	252	C20H12	000192-97-2	98
3		Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	94
4		Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
5		Benzo[j]fluoranthene	252	C20H12	000205-82-3	90



Data Path : Z:\HPCHEM1\BNA F\DATA\BF080417\
Data File : BF097370.D
Acq On : 4 Aug 2017 21:59
Operator : SJ/JU
Sample : I4555-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
2013

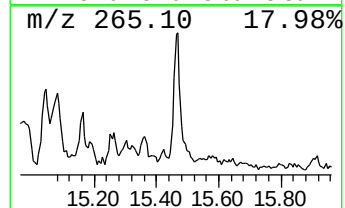
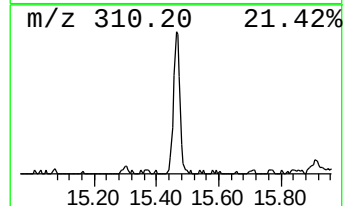
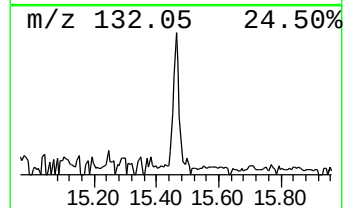
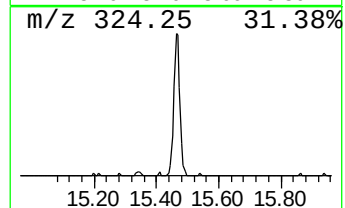
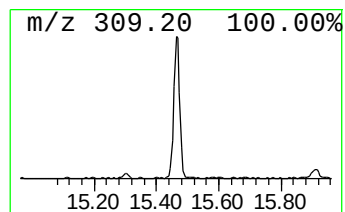
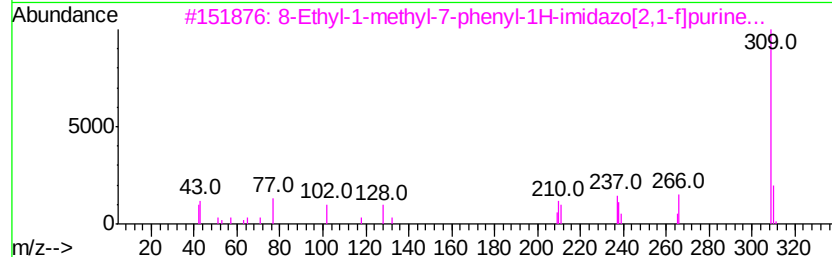
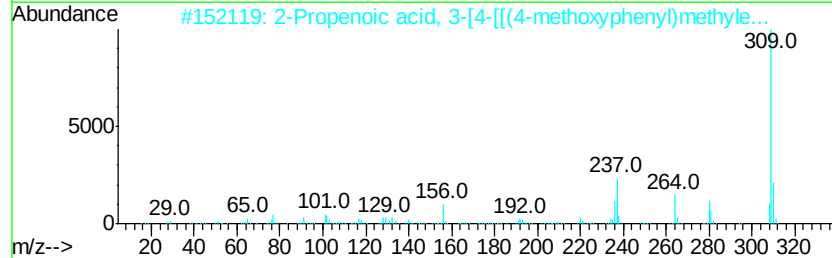
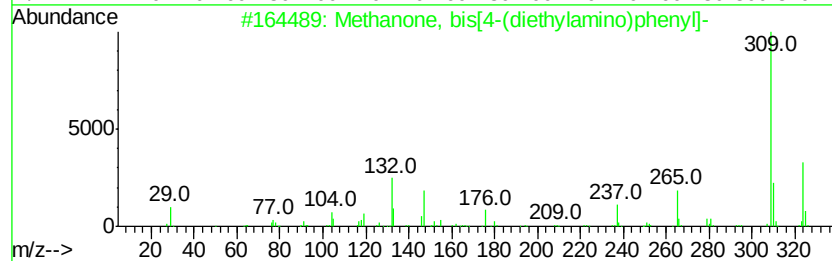
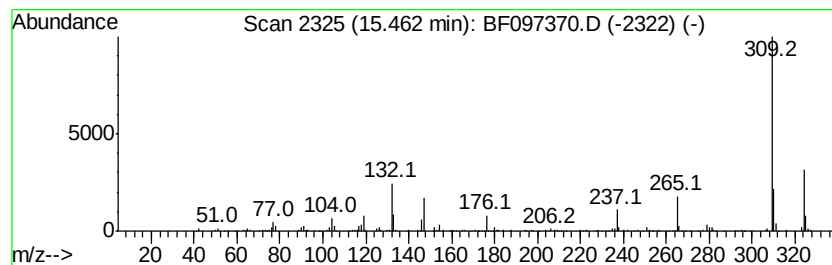
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Methanone, bis[4-(diethylamino)phenyl]- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.46	17.14 ng	382423	Perylene-d12	14.90

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Methanone, bis[4-(diethylamino)phenyl]-	324	C21H28N2O	000090-93-7	95
2		2-Propenoic acid, 3-[4-[(4-methoxyphenyl)methyl]phenyl]-	309	C19H19N03	006421-30-3	47
3		8-Ethyl-1-methyl-7-phenyl-1H-imidazo[2,1-f]purine	309	C16H15N5O2	113312-06-4	47
4		Pyrimidine, 2-(1-adamantyl)-4-(2-ethyl-5-methoxy-2-methyl-1-phenyl)-	309	C19H23N3O	254982-31-5	43
5		Ethyl 5-methoxy-2-methyl-1-phenyl-1H-imidazo[2,1-f]purine	309	C19H19N03	026582-44-5	43



Data Path : Z:\HPCHEM1\BNA F\DATA\BF080417\
Data File : BF097370.D
Acq On : 4 Aug 2017 21:59
Operator : SJ/JU
Sample : I4555-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

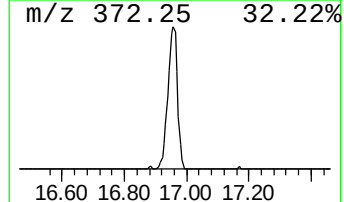
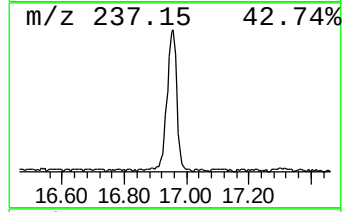
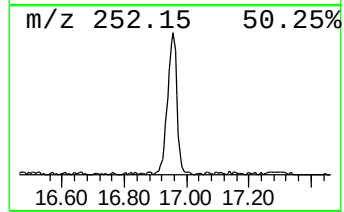
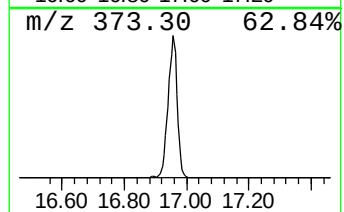
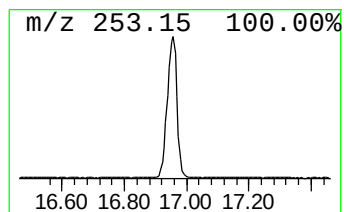
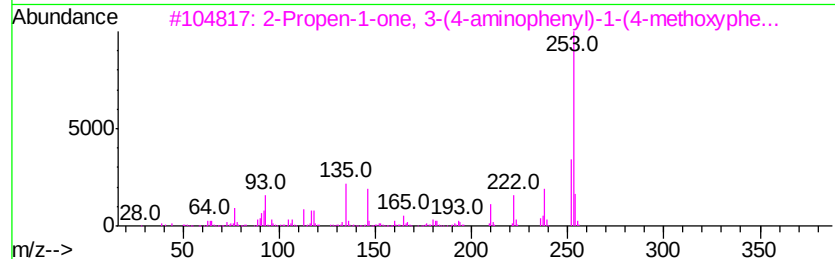
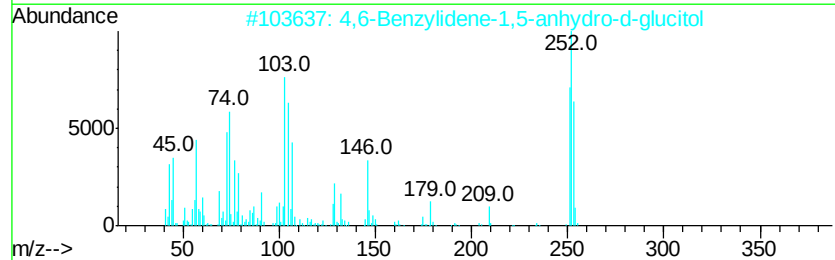
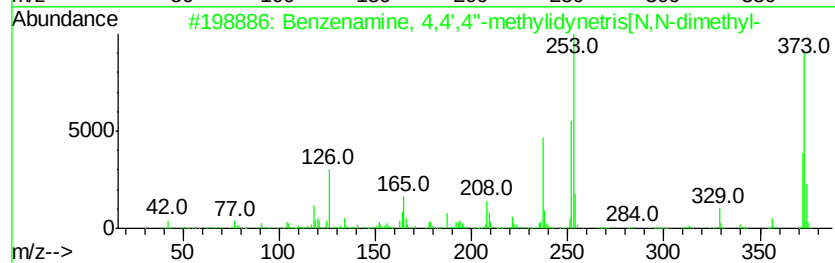
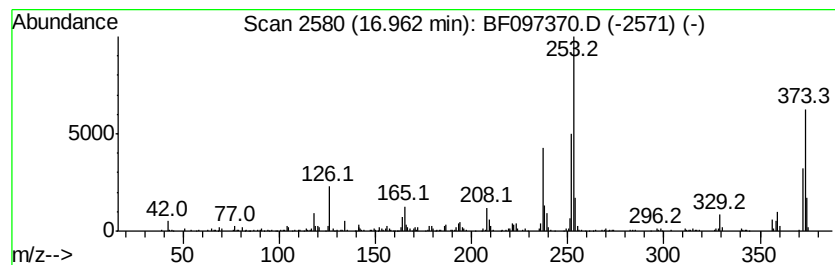
Instrument :
BNA_F
ClientSampleId :
2013

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Benzenamine, 4,4',4''-methy... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.		
16.96	40.72 ng	908388	Perylene-d12	14.90		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzenamine, 4,4',4''-methyldyn...	373	C25H31N3	000603-48-5	99
2		4,6-Benzylidene-1,5-anhydro-d-gl...	252	C13H16O5	1000128-98-6	43
3		2-Propen-1-one, 3-(4-aminophenyl...	253	C16H15N02	1000319-48-4	43
4		Isophthalic acid, di(2,5-dimethv...	374	C24H22O4	1000344-54-6	30
5		2,2-Bis-(4-dimethylamino-phenyl)...	358	C24H26N2O	1000318-51-8	27



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080417\
 Data File : BF097370.D
 Acq On : 4 Aug 2017 21:59
 Operator : SJ/JU
 Sample : I4555-04
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 2013

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.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...	4.57	12.2	ng	434189	1	6.44	711927	20.0
unknown6.22	6.22	59.8	ng	2129140	1	6.44	711927	20.0
N,N-Diethylaniline	7.90	6.9	ng	334657	2	7.72	966486	20.0
1-Naphthalenamine...	10.36	4.3	ng	182818	4	10.93	847199	20.0
Urea, N,N'-dimeth...	11.09	3.3	ng	138909	4	10.93	847199	20.0
Anthracene, 2-met...	11.43	4.3	ng	180180	4	10.93	847199	20.0
Phenanthrene, 2-m...	11.46	5.0	ng	213461	4	10.93	847199	20.0
Benzaldehyde, 3,5...	11.54	6.8	ng	287992	4	10.93	847199	20.0
Tricyclo[8.2.2.2(...	11.73	3.3	ng	140487	4	10.93	847199	20.0
Phenanthrene, 2,5...	11.98	3.5	ng	149181	4	10.93	847199	20.0
Pyrene, 1-methyl-	12.59	3.3	ng	289368	5	13.56	1776030	20.0
1,1'-Binaphthalene	14.42	3.9	ng	87775	6	14.90	446166	20.0
Methanone, bis[4-...	14.67	7.4	ng	165905	6	14.90	446166	20.0
Benzoic acid, p-(...	14.72	11.0	ng	245081	6	14.90	446166	20.0
Perylene	14.79	18.9	ng	421154	6	14.90	446166	20.0
Methanone, bis[4-...	15.46	17.1	ng	382423	6	14.90	446166	20.0
Benzenamine, 4,4'...	16.96	40.7	ng	908388	6	14.90	446166	20.0