

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041218\
 Data File : BF104451.D
 Acq On : 12 Apr 2018 15:21
 Operator : JU/SJ
 Sample : J2162-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-01-041118-A

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-BF040618.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.034	496	501	509	rVB	118538	159137	5.11%	0.325%
2	5.428	562	568	571	rBV	2976291	3007210	96.65%	6.138%
3	6.081	676	679	683	rBV	212826	200588	6.45%	0.409%
4	6.445	735	741	744	rBV	2719514	2942099	94.56%	6.005%
5	6.581	757	764	767	rBV	3226026	3111468	100.00%	6.351%
6	6.757	791	794	797	rVB	116341	89485	2.88%	0.183%
7	6.810	799	803	806	rBV	1078400	830682	26.70%	1.696%
8	6.969	825	830	833	rBV	2543699	2405836	77.32%	4.911%
9	7.375	891	899	902	rBV	1917275	1946835	62.57%	3.974%
10	8.092	1013	1021	1024	rBV	1363267	1120732	36.02%	2.288%
11	8.904	1155	1159	1164	rVB	82170	68729	2.21%	0.140%
12	9.169	1199	1204	1207	rBV	3338533	2923249	93.95%	5.967%
13	9.504	1258	1261	1264	rBV	127584	122799	3.95%	0.251%
14	9.563	1268	1271	1278	rVB	280996	275444	8.85%	0.562%
15	9.710	1292	1296	1300	rBV	218805	203773	6.55%	0.416%
16	9.775	1300	1307	1311	rVB	106359	99624	3.20%	0.203%
17	9.851	1311	1320	1323	rBV	1152431	1121176	36.03%	2.289%
18	10.045	1349	1353	1358	rVV3	76720	96009	3.09%	0.196%
19	10.086	1358	1360	1366	rVV2	83325	82731	2.66%	0.169%
20	10.163	1370	1373	1376	rBV2	84558	86001	2.76%	0.176%
21	10.251	1384	1388	1390	rBV3	63577	85975	2.76%	0.175%
22	10.275	1390	1392	1395	rVB2	173076	126948	4.08%	0.259%
23	10.392	1409	1412	1419	rVB3	101721	132338	4.25%	0.270%
24	10.498	1425	1430	1435	rVV5	55659	106009	3.41%	0.216%
25	10.639	1448	1454	1457	rBV	1865104	1707616	54.88%	3.486%
26	10.751	1470	1473	1478	rBV2	176606	247819	7.96%	0.506%
27	10.945	1501	1506	1508	rBV3	89000	110397	3.55%	0.225%
28	11.075	1523	1528	1530	rBV3	51168	69830	2.24%	0.143%
29	11.139	1537	1539	1543	rVB2	86419	73986	2.38%	0.151%
30	11.198	1543	1549	1552	rBV2	97884	112763	3.62%	0.230%
31	11.233	1552	1555	1560	rVB2	115972	118599	3.81%	0.242%
32	11.339	1569	1573	1575	rBV	1008082	942940	30.31%	1.925%
33	11.363	1575	1577	1580	rVV	1228272	907102	29.15%	1.852%
34	11.410	1583	1585	1588	rVB	205162	167394	5.38%	0.342%

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041218\
 Data File : BF104451.D
 Acq On : 12 Apr 2018 15:21
 Operator : JU/SJ
 Sample : J2162-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-01-041118-A

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-BF040618.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.445	1588	1591	1594	rBV2	70855	82444	2.65%	0.168%
36	11.563	1605	1611	1617	rBV4	79991	164077	5.27%	0.335%
37	11.627	1619	1622	1625	rVV2	97033	105751	3.40%	0.216%
38	11.669	1626	1629	1633	rVB	122115	114075	3.67%	0.233%
39	11.727	1636	1639	1646	rVB3	231035	302396	9.72%	0.617%
40	11.839	1652	1658	1660	rBV	467706	416181	13.38%	0.850%
41	11.869	1660	1663	1667	rVV	743215	649868	20.89%	1.327%
42	11.916	1668	1671	1673	rVV	90746	79421	2.55%	0.162%
43	11.951	1673	1677	1679	rVV	520716	526986	16.94%	1.076%
44	11.975	1679	1681	1685	rVB	404864	301227	9.68%	0.615%
45	12.033	1686	1691	1695	rBV6	73059	136091	4.37%	0.278%
46	12.133	1705	1708	1710	rVV	185597	171963	5.53%	0.351%
47	12.163	1710	1713	1716	rVB2	163282	157687	5.07%	0.322%
48	12.286	1732	1734	1736	rVV2	127542	114314	3.67%	0.233%
49	12.316	1736	1739	1741	rVV	183747	162244	5.21%	0.331%
50	12.339	1741	1743	1746	rVB	111829	88437	2.84%	0.181%
51	12.392	1746	1752	1754	rBV	392338	450568	14.48%	0.920%
52	12.416	1754	1756	1758	rVV2	805473	757769	24.35%	1.547%
53	12.439	1758	1760	1764	rVV3	450501	529954	17.03%	1.082%
54	12.474	1764	1766	1771	rVV2	217903	261112	8.39%	0.533%
55	12.522	1772	1774	1776	rVV	82209	79193	2.55%	0.162%
56	12.557	1776	1780	1783	rVV	1659836	1434286	46.10%	2.928%
57	12.598	1783	1787	1788	rVV	79850	71184	2.29%	0.145%
58	12.616	1788	1790	1793	rVV2	103495	97383	3.13%	0.199%
59	12.645	1793	1795	1798	rVB	210030	173935	5.59%	0.355%
60	12.680	1798	1801	1803	rBV3	84870	80458	2.59%	0.164%
61	12.704	1803	1805	1808	rVV2	76173	74658	2.40%	0.152%
62	12.745	1810	1812	1813	rVV	95963	74150	2.38%	0.151%
63	12.786	1813	1819	1824	rVB	1702438	1799158	57.82%	3.672%
64	12.833	1824	1827	1831	rVB3	127395	167729	5.39%	0.342%
65	12.898	1835	1838	1839	rBV2	81298	74070	2.38%	0.151%
66	12.927	1839	1843	1849	rVB	2190343	2095932	67.36%	4.278%
67	12.980	1849	1852	1854	rBV2	368333	375428	12.07%	0.766%
68	12.998	1854	1855	1859	rVV	197033	202421	6.51%	0.413%
69	13.086	1867	1870	1872	rBV4	170690	218312	7.02%	0.446%
70	13.110	1872	1874	1879	rVB2	285310	252729	8.12%	0.516%
71	13.174	1883	1885	1888	rVB2	147687	124102	3.99%	0.253%

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041218\
Data File : BF104451.D
Acq On : 12 Apr 2018 15:21
Operator : JU/SJ
Sample : J2162-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EO-01-041118-A

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-BF040618.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.216	1888	1892	1895	rBV2	328834	281817	9.06%	0.575%
73	13.310	1905	1908	1910	rVB	228154	202064	6.49%	0.412%
74	13.339	1910	1913	1916	rBV	250616	212564	6.83%	0.434%
75	13.616	1957	1960	1965	rVB	229934	242028	7.78%	0.494%
76	13.727	1975	1979	1982	rBV2	182092	272459	8.76%	0.556%
77	13.757	1982	1984	1986	rVV	161398	140885	4.53%	0.288%
78	13.780	1986	1988	1992	rVV2	101639	128925	4.14%	0.263%
79	13.821	1992	1995	1999	rVB3	568426	610311	19.61%	1.246%
80	13.904	2006	2009	2015	rVB3	128585	160612	5.16%	0.328%
81	13.980	2015	2022	2025	rBV2	1134282	1826836	58.71%	3.729%
82	14.010	2025	2027	2033	rVB	885632	851362	27.36%	1.738%
83	14.068	2034	2037	2039	rBV2	119670	112663	3.62%	0.230%
84	14.127	2045	2047	2049	rBV	75836	79049	2.54%	0.161%
85	14.339	2081	2083	2085	rBV	62469	65871	2.12%	0.134%
86	14.374	2087	2089	2092	rVV	254957	215096	6.91%	0.439%
87	14.410	2092	2095	2098	rVB2	177009	156937	5.04%	0.320%
88	14.463	2101	2104	2108	rVB3	190920	231635	7.44%	0.473%
89	14.504	2108	2111	2113	rBV	169803	148154	4.76%	0.302%
90	14.839	2166	2168	2171	rBV	63151	69174	2.22%	0.141%
91	14.910	2177	2180	2183	rBV2	145077	139010	4.47%	0.284%
92	15.033	2196	2201	2204	rBV2	534542	892786	28.69%	1.822%
93	15.104	2210	2213	2214	rBV	147894	143602	4.62%	0.293%
94	15.127	2214	2217	2222	rVB2	440659	531269	17.07%	1.084%
95	15.327	2248	2251	2257	rVB	326720	422774	13.59%	0.863%
96	15.392	2258	2262	2267	rVB	466693	570932	18.35%	1.165%
97	15.457	2268	2273	2276	rBV	475390	630287	20.26%	1.287%
98	15.962	2355	2359	2364	rBV4	136324	215015	6.91%	0.439%
99	16.909	2515	2520	2528	rVB2	180817	380558	12.23%	0.777%
100	17.345	2591	2594	2605	rVB	143380	285243	9.17%	0.582%

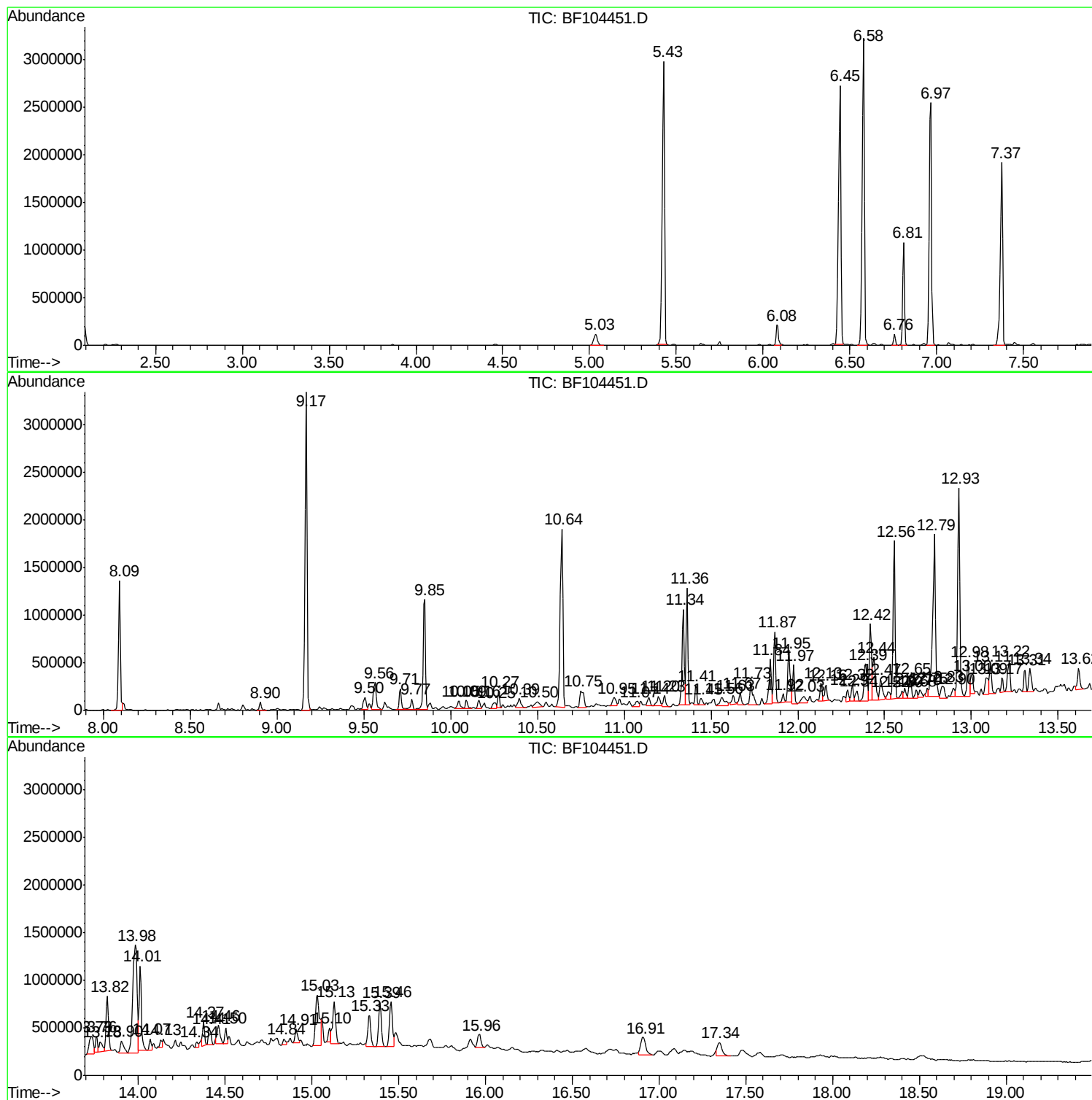
Sum of corrected areas: 48990934

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041218\
Data File : BF104451.D
Acq On : 12 Apr 2018 15:21
Operator : JU/SJ
Sample : J2162-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EO-01-041118-A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.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\BF041218\
Data File : BF104451.D
Acq On : 12 Apr 2018 15:21
Operator : JU/SJ
Sample : J2162-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EO-01-041118-A

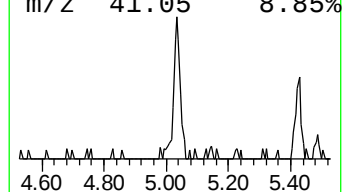
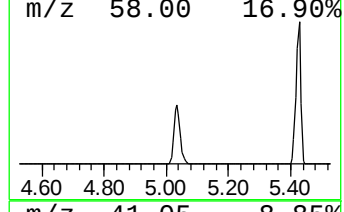
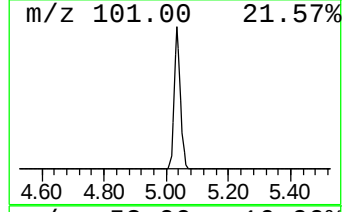
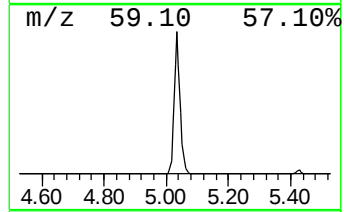
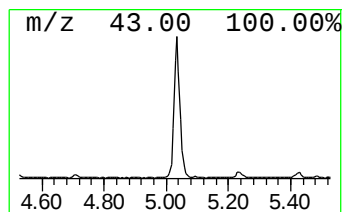
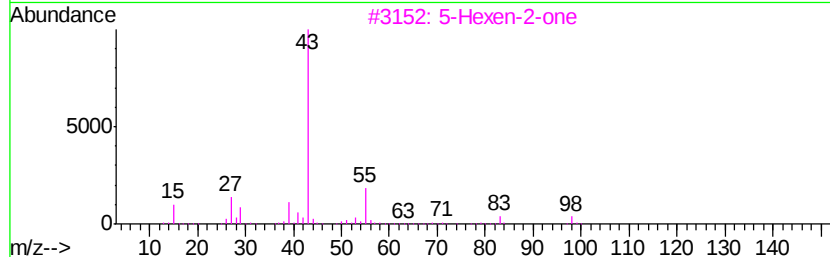
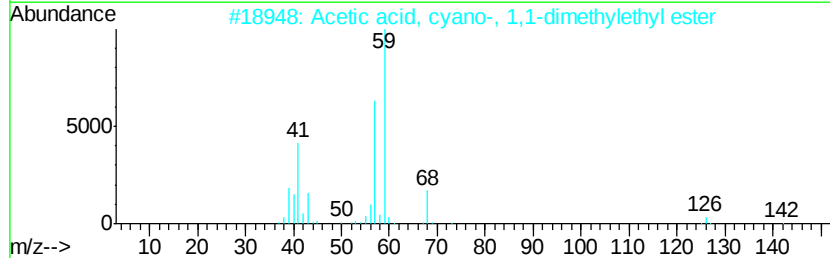
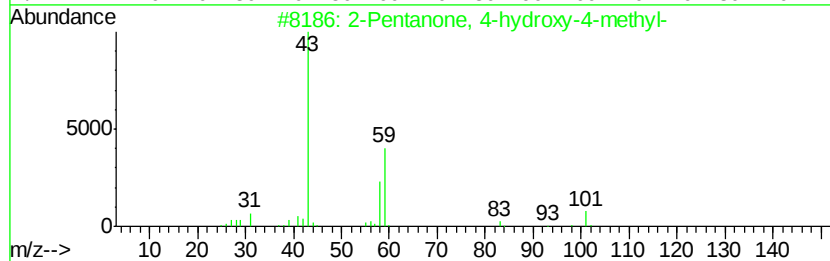
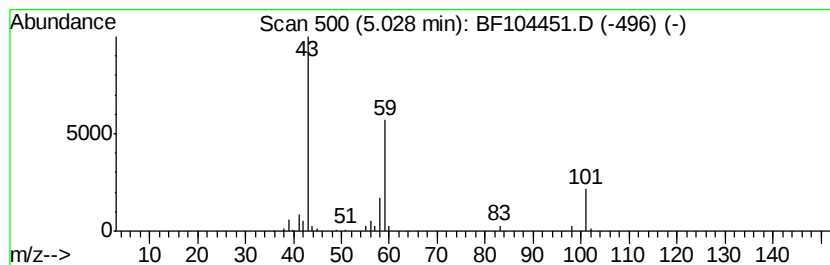
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.03	3.83 ng	159137	1,4-Dichlorobenzene-d4	6.81

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2			Acetic acid, cyano-, 1,1-dimethyl...	141	C7H11NO2	001116-98-9	17
3			5-Hexen-2-one	98	C6H10O	000109-49-9	9
4			Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
5			2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041218\
Data File : BF104451.D
Acq On : 12 Apr 2018 15:21
Operator : JU/SJ
Sample : J2162-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EO-01-041118-A

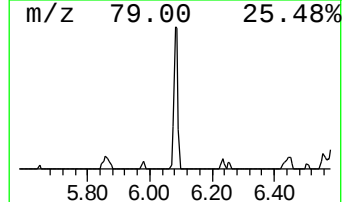
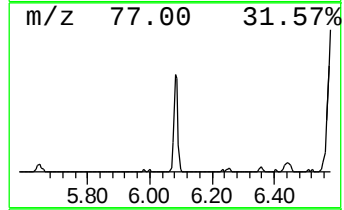
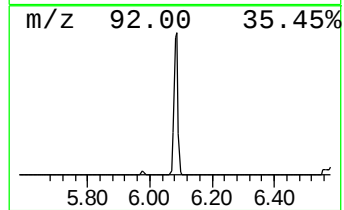
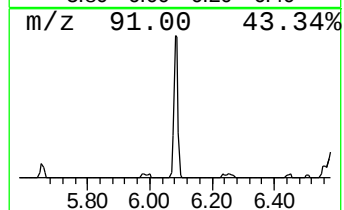
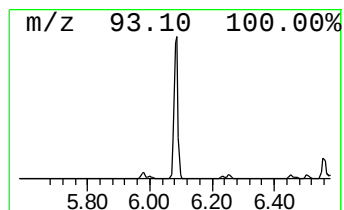
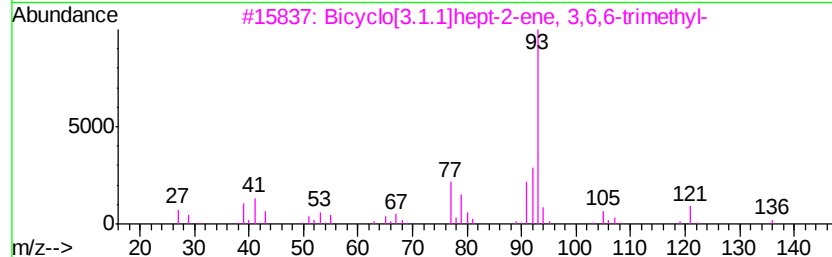
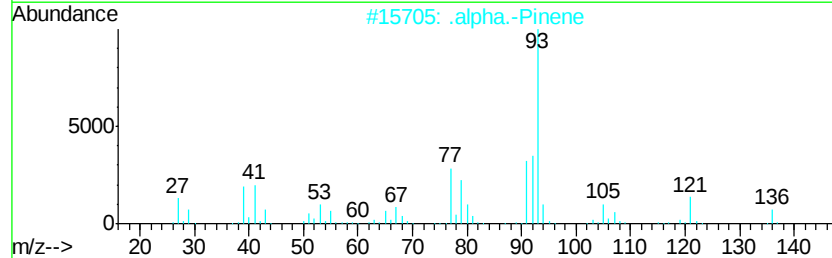
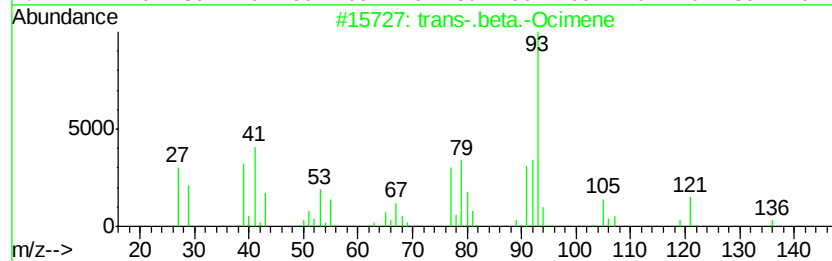
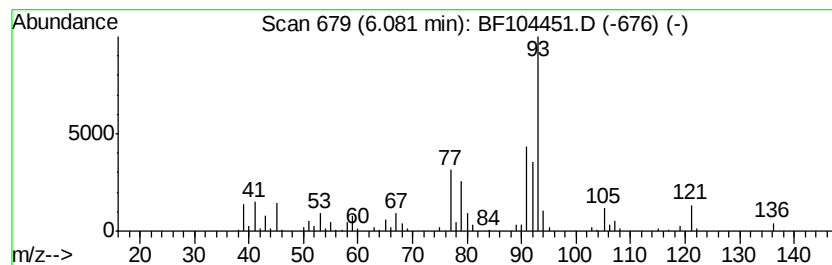
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 trans-.beta.-Ocimene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.08	4.83 ng	200588	1,4-Dichlorobenzene-d4	6.81

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			trans-.beta.-Ocimene	136	C10H16	003779-61-1	94
2			.alpha.-Pinene	136	C10H16	000080-56-8	94
3			Bicyclo[3.1.1]hept-2-ene, 3,6,6-...	136	C10H16	004889-83-2	94
4			(+)-3-Carene	136	C10H16	000498-15-7	91
5			Tricyclo[2.2.1.0(2,6)]heptane, 1...	136	C10H16	000508-32-7	91



Data Path : Z:\HPCHEM1\BNA F\DATA\BF041218\
Data File : BF104451.D
Acq On : 12 Apr 2018 15:21
Operator : JU/SJ
Sample : J2162-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EO-01-041118-A

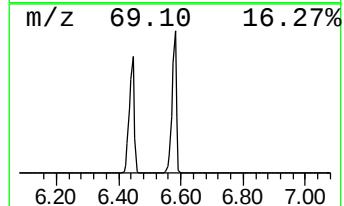
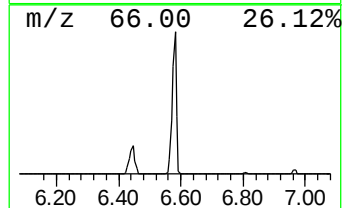
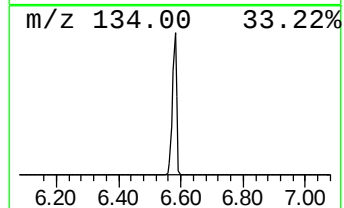
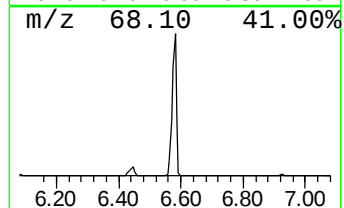
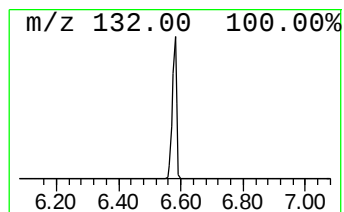
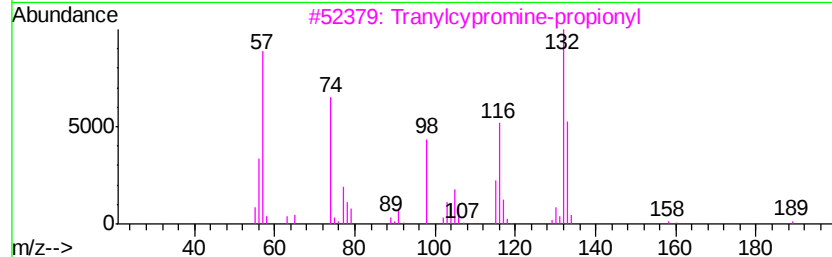
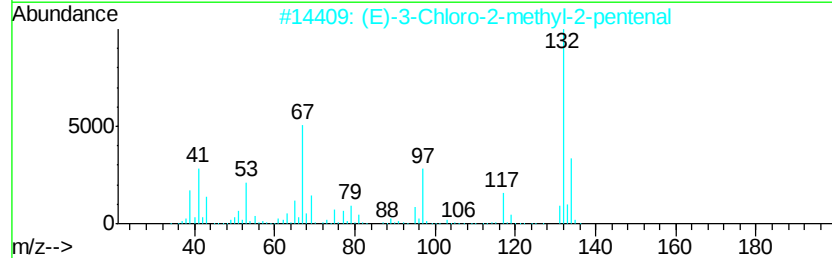
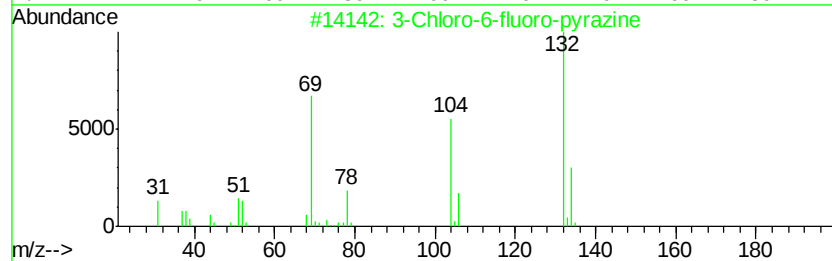
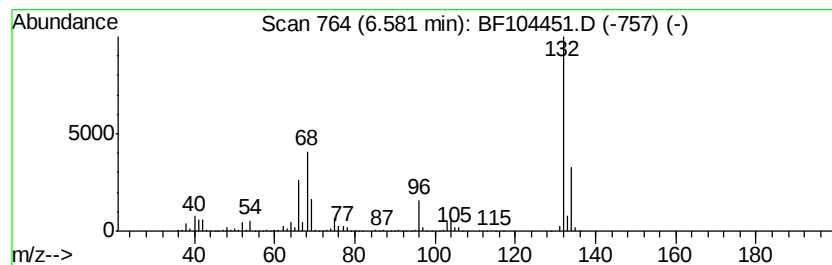
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 unknown6.58 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.58	74.91 ng	3111470	1,4-Dichlorobenzene-d4	6.81

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	16
3		Tranvlcypropine-propionyl	189	C12H15NO	1000123-86-3	10
4		Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5		4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	9



Data Path : Z:\HPCHEM1\BNA F\DATA\BF041218\
Data File : BF104451.D
Acq On : 12 Apr 2018 15:21
Operator : JU/SJ
Sample : J2162-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EO-01-041118-A

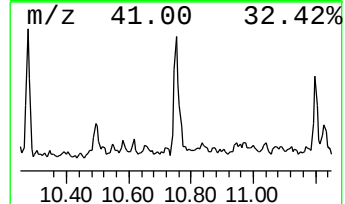
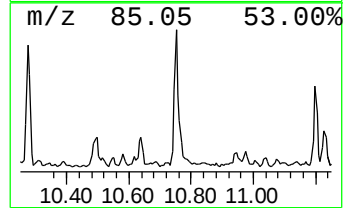
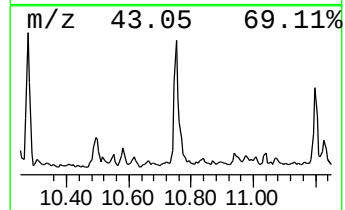
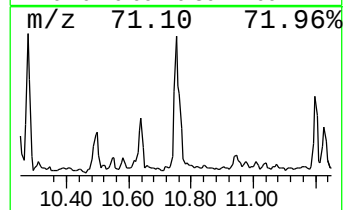
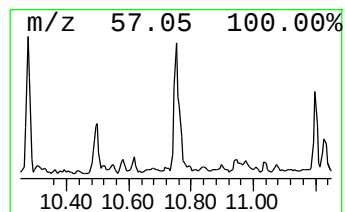
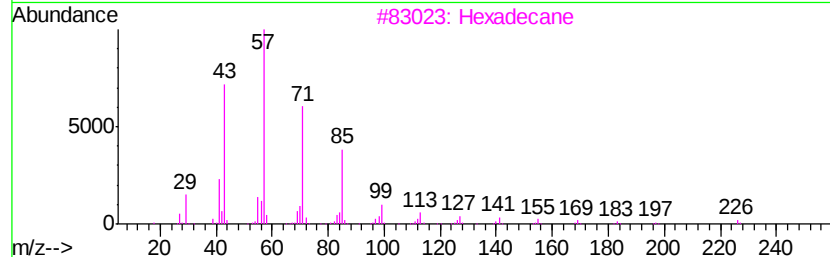
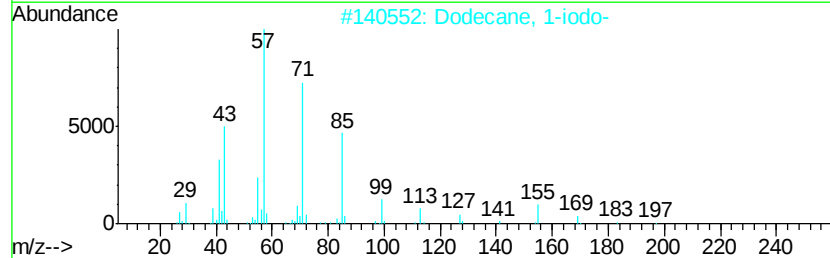
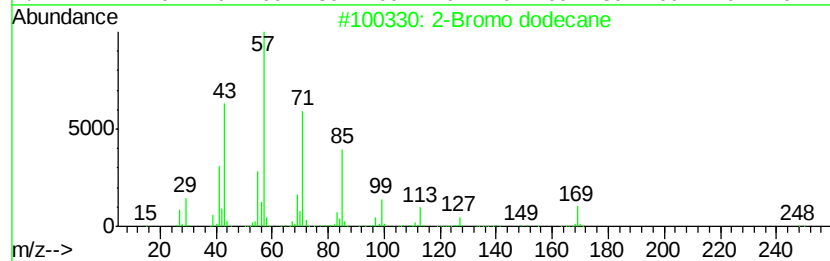
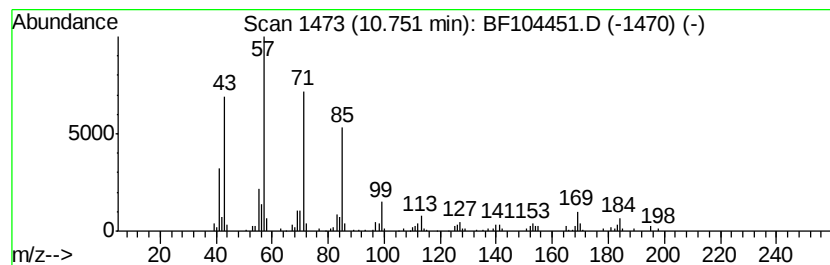
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 2-Bromo dodecane Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.75	5.26 ng	247819	Phenanthrene-d10	11.34

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Bromo dodecane		248	C12H25Br	013187-99-0	80
2	Dodecane, 1-iodo-		296	C12H25I	004292-19-7	74
3	Hexadecane		226	C16H34	000544-76-3	72
4	Octadecane		254	C18H38	000593-45-3	72
5	Tetracosane		338	C24H50	000646-31-1	72



Data Path : Z:\HPCHEM1\BNA F\DATA\BF041218\
Data File : BF104451.D
Acq On : 12 Apr 2018 15:21
Operator : JU/SJ
Sample : J2162-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EO-01-041118-A

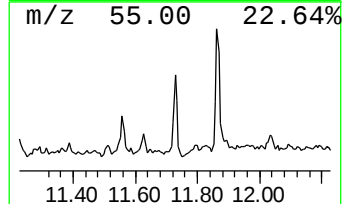
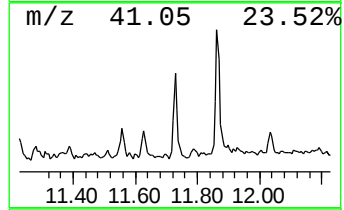
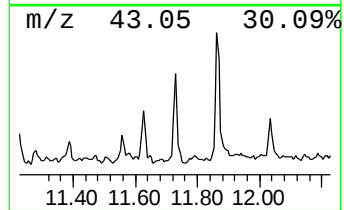
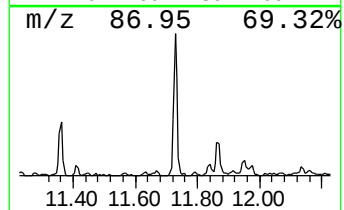
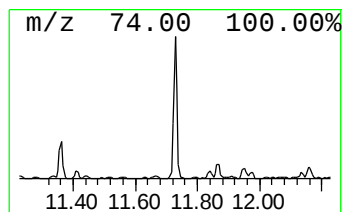
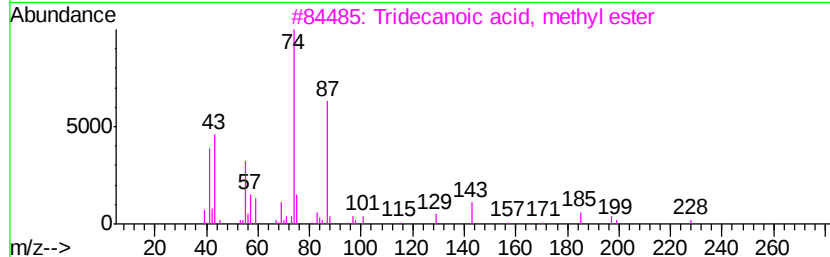
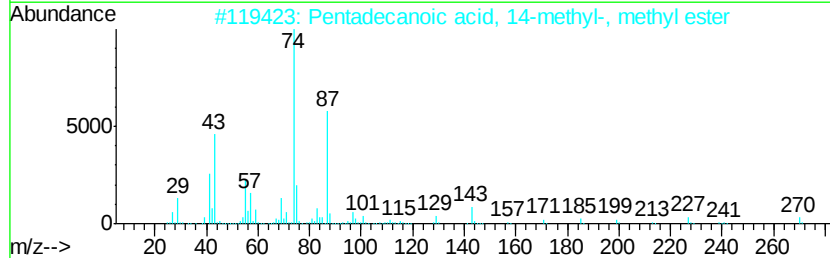
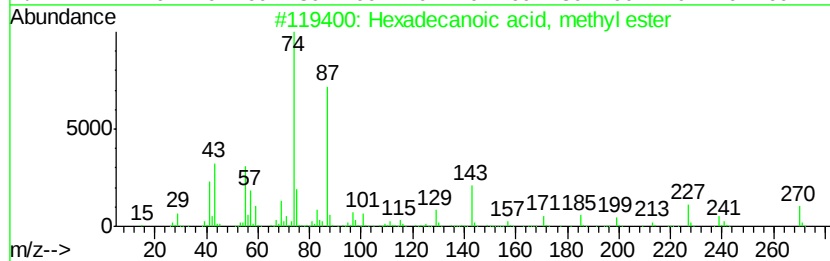
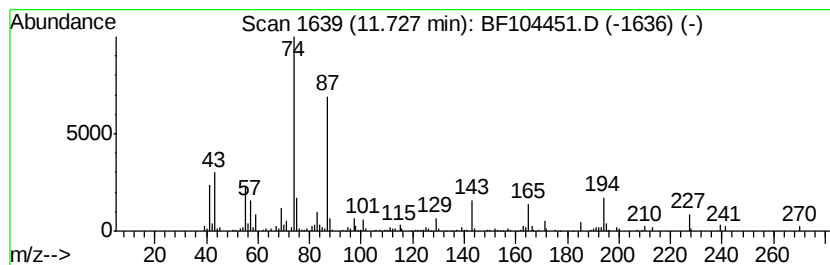
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Hexadecanoic acid, methyl e... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.73	6.41 ng	302396	Phenanthrene-d10	11.34

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexadecanoic acid, methyl ester	270	C17H34O2	000112-39-0	95
2		Pentadecanoic acid, 14-methyl-, ...	270	C17H34O2	005129-60-2	94
3		Tridecanoic acid, methyl ester	228	C14H28O2	001731-88-0	93
4		Methyl tetradecanoate	242	C15H30O2	000124-10-7	74
5		Dodecanoic acid, methyl ester	214	C13H26O2	000111-82-0	72



Data Path : Z:\HPCHEM1\BNA F\DATA\BF041218\
Data File : BF104451.D
Acq On : 12 Apr 2018 15:21
Operator : JU/SJ
Sample : J2162-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EO-01-041118-A

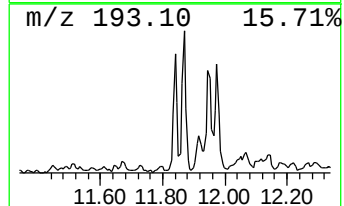
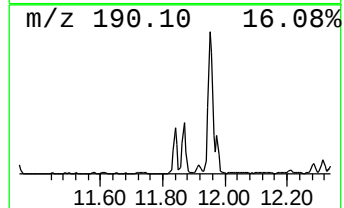
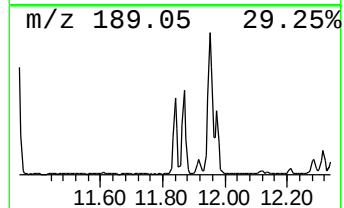
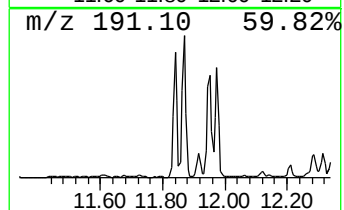
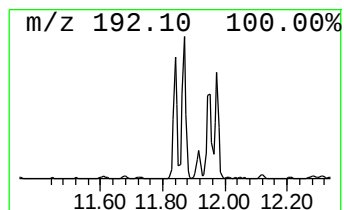
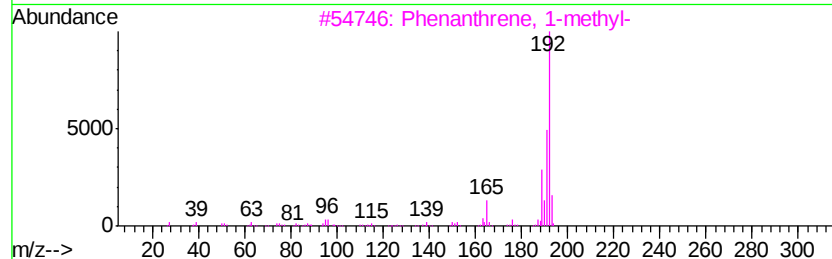
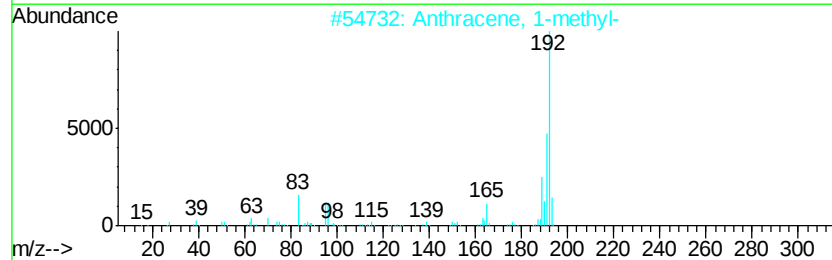
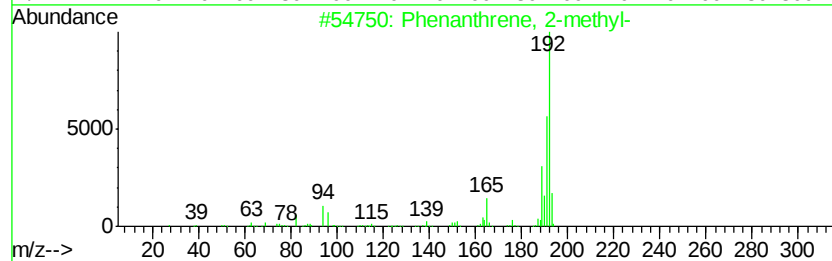
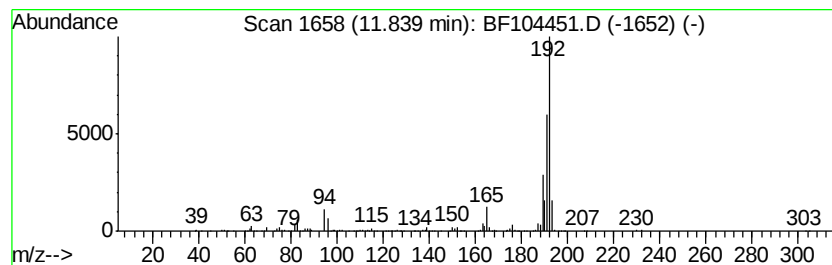
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.84	8.83 ng	416181	Phenanthrene-d10	11.34

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
2		Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
3		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
4		Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
5		Anthracene, 2-methyl-	192	C15H12	000613-12-7	90



Data Path : Z:\HPCHEM1\BNA F\DATA\BF041218\
Data File : BF104451.D
Acq On : 12 Apr 2018 15:21
Operator : JU/SJ
Sample : J2162-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EO-01-041118-A

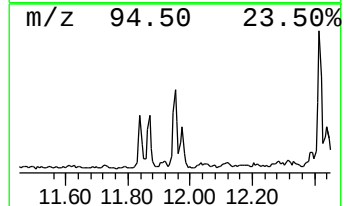
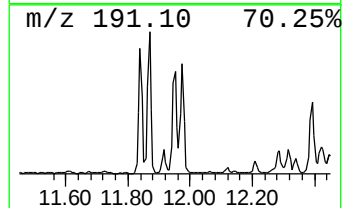
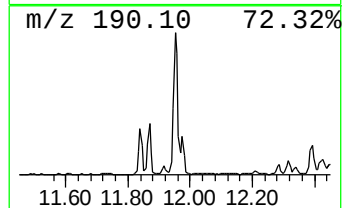
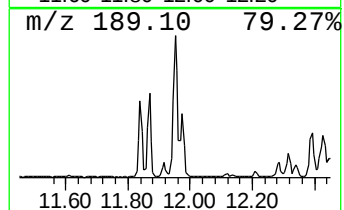
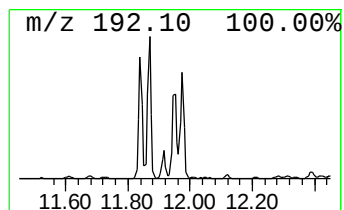
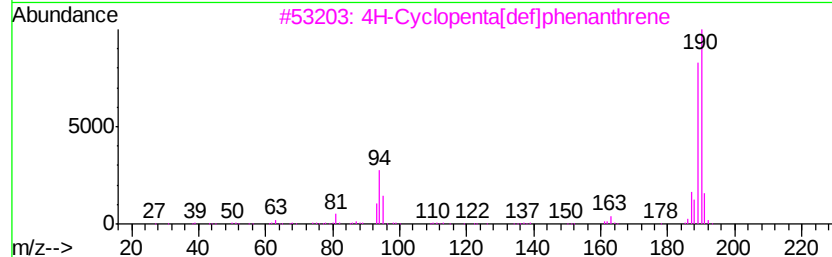
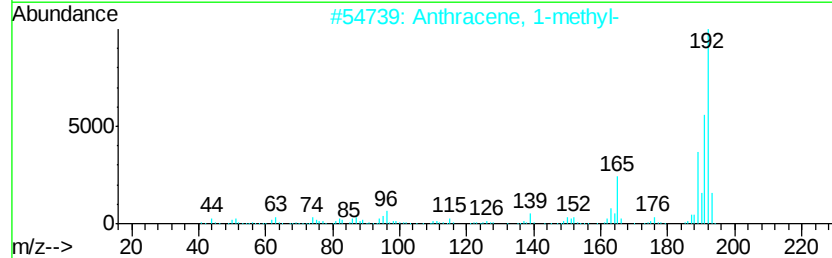
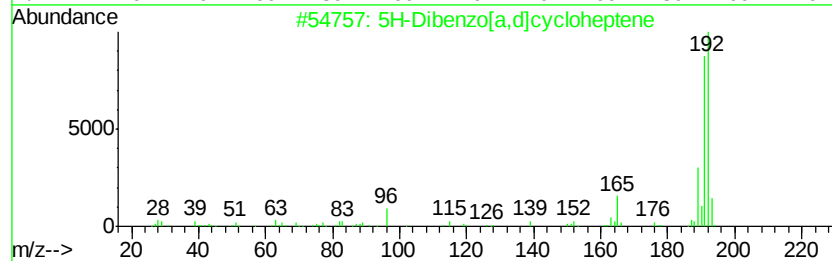
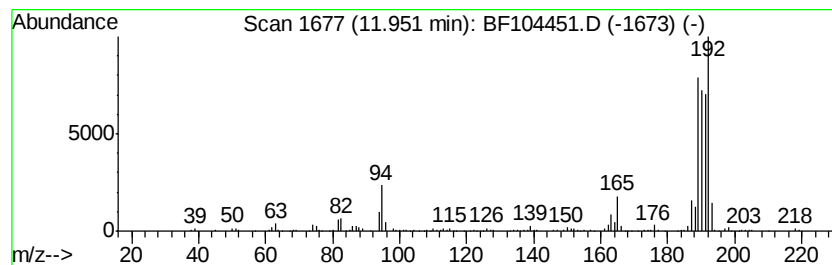
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 5H-Dibenzo[a,d]cycloheptene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.95	11.18 ng	526986	Phenanthrene-d10	11.34

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	50
2		Anthracene, 1-methyl-	192	C15H12	000610-48-0	46
3		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	46
4		Anthracene, 9-methyl-	192	C15H12	000779-02-2	43
5		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	43



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041218\
Data File : BF104451.D
Acq On : 12 Apr 2018 15:21
Operator : JU/SJ
Sample : J2162-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EO-01-041118-A

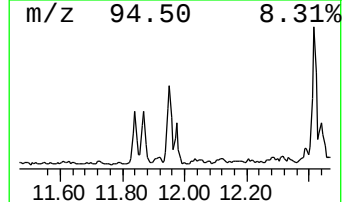
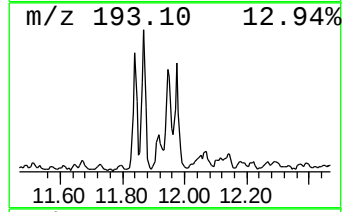
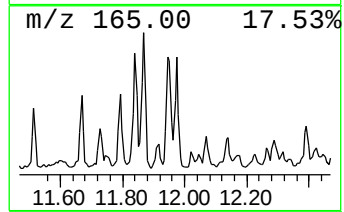
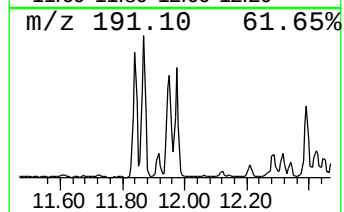
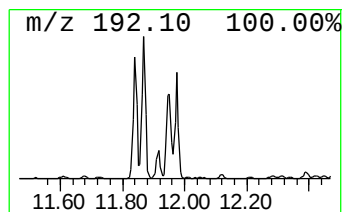
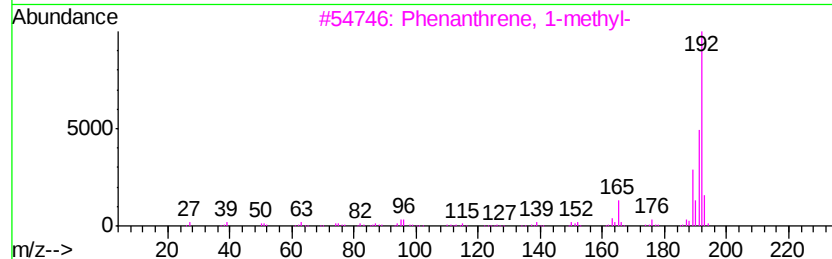
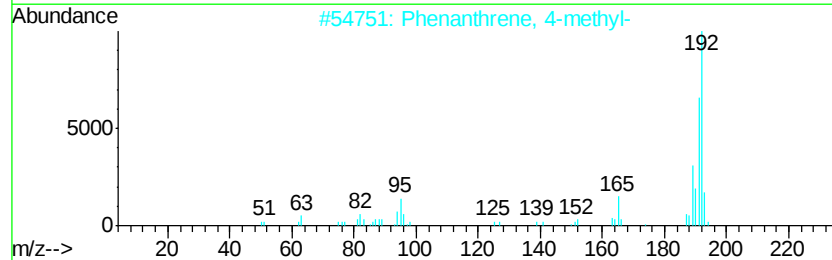
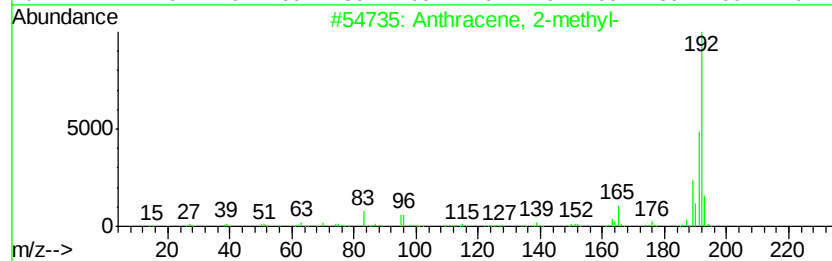
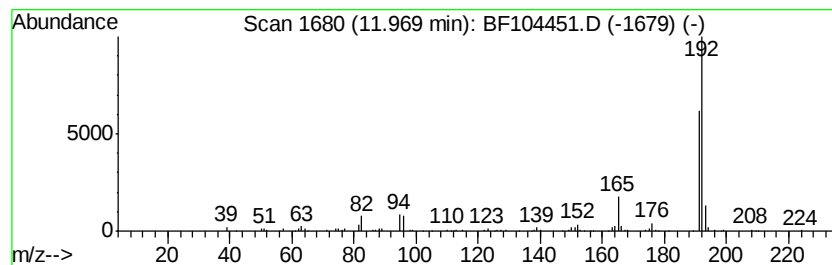
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Anthracene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.97	6.39 ng	301227	Phenanthrene-d10	11.34

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
2		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
3		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
4		1H-Cyclopropa[1,1]phenanthrene, 1a,...	192	C15H12	000949-41-7	91
5		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90



Data Path : Z:\HPCHEM1\BNA F\DATA\BF041218\
Data File : BF104451.D
Acq On : 12 Apr 2018 15:21
Operator : JU/SJ
Sample : J2162-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

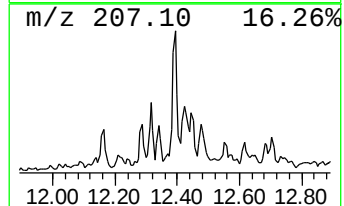
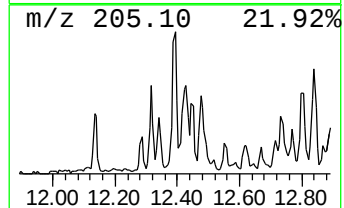
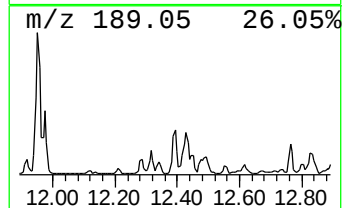
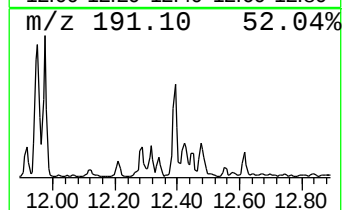
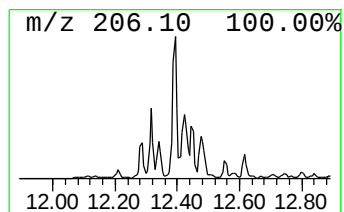
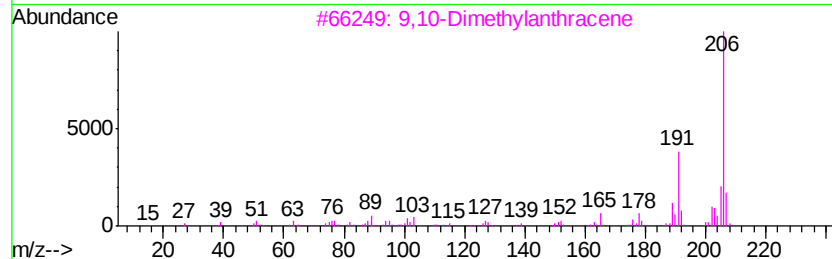
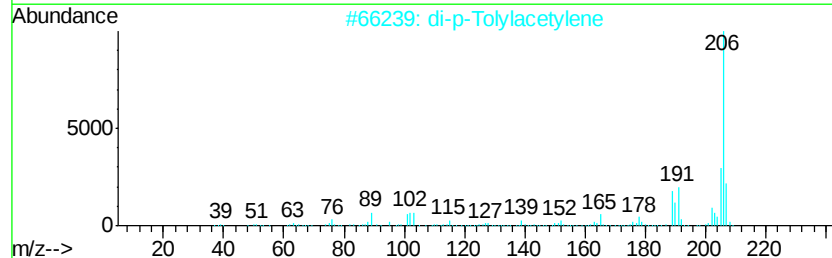
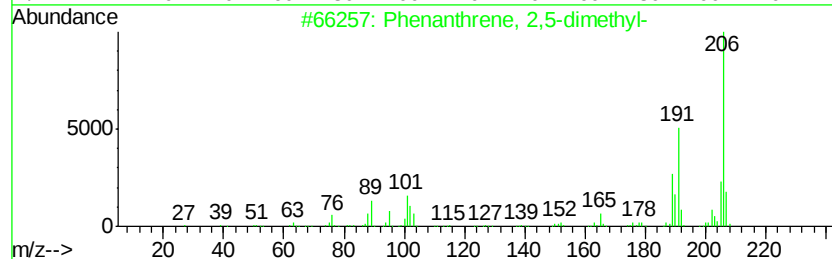
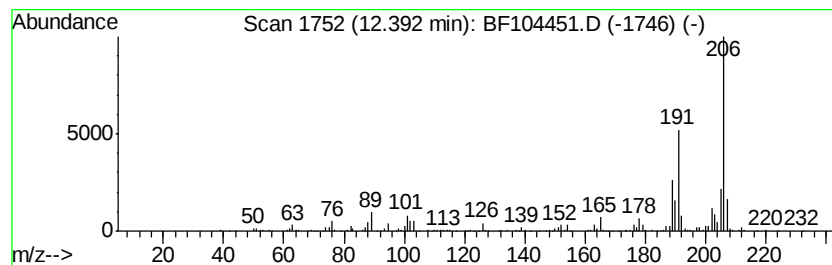
Instrument :
BNA_F
ClientSampleId :
EO-01-041118-A

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Phenanthrene, 2,5-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD		R.T.
12.39	9.56 ng	450568	Phenanthrene-d10		11.34
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	96
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	94
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	91



Data Path : Z:\HPCHEM1\BNA F\DATA\BF041218\
Data File : BF104451.D
Acq On : 12 Apr 2018 15:21
Operator : JU/SJ
Sample : J2162-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EO-01-041118-A

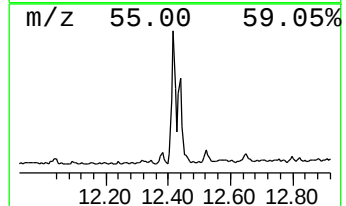
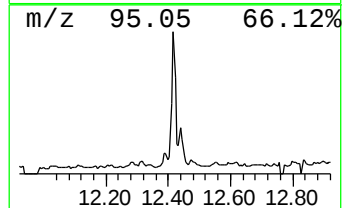
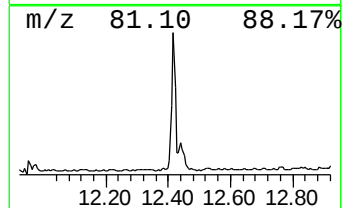
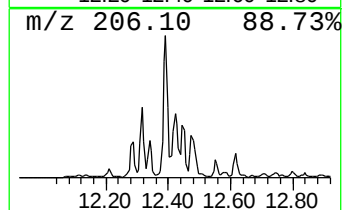
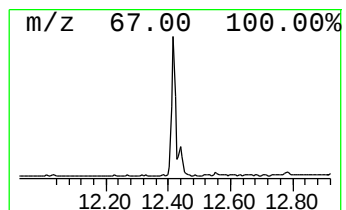
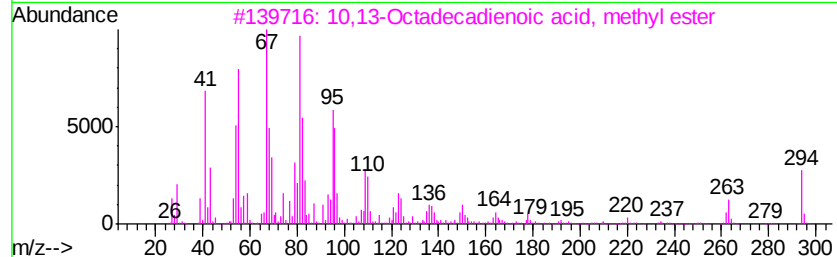
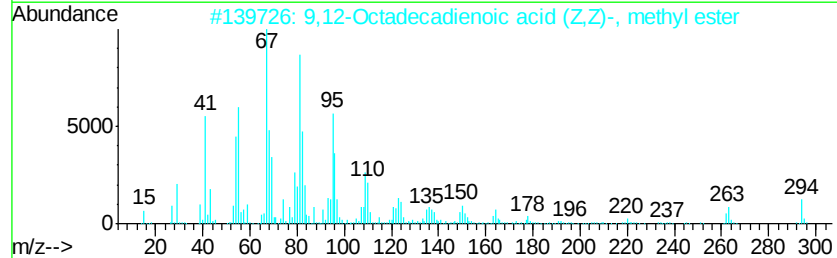
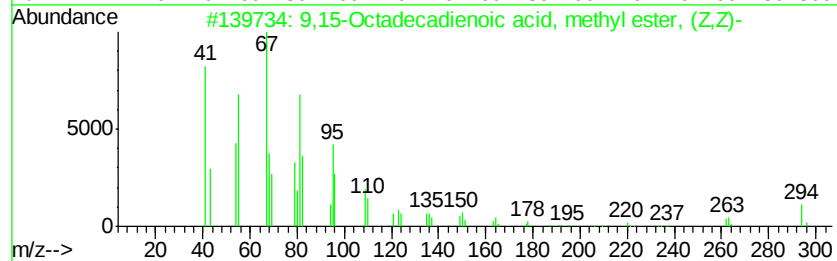
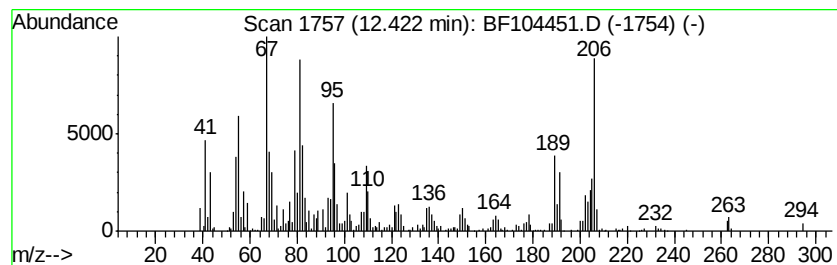
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 9,15-Octadecadienoic acid, ... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.42	16.07 ng	757769	Phenanthrene-d10	11.34

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9,15-Octadecadienoic acid, methy...	294	C19H34O2	017309-05-6	99
2		9,12-Octadecadienoic acid (Z,Z)-...	294	C19H34O2	000112-63-0	99
3		10,13-Octadecadienoic acid, meth...	294	C19H34O2	056554-62-2	98
4		9,12-Octadecadienoic acid, methy...	294	C19H34O2	002566-97-4	96
5		8,11-Octadecadienoic acid, methy...	294	C19H34O2	056599-58-7	96



Data Path : Z:\HPCHEM1\BNA F\DATA\BF041218\
Data File : BF104451.D
Acq On : 12 Apr 2018 15:21
Operator : JU/SJ
Sample : J2162-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EO-01-041118-A

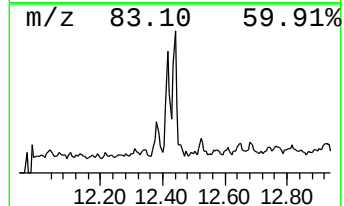
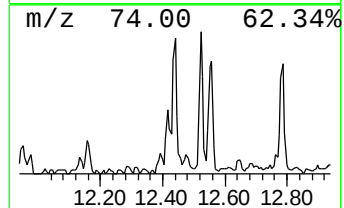
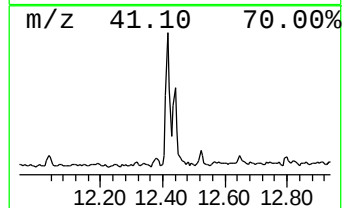
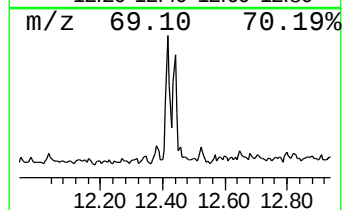
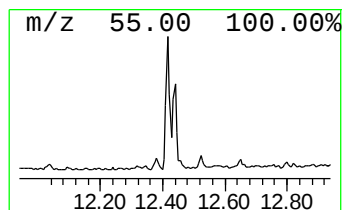
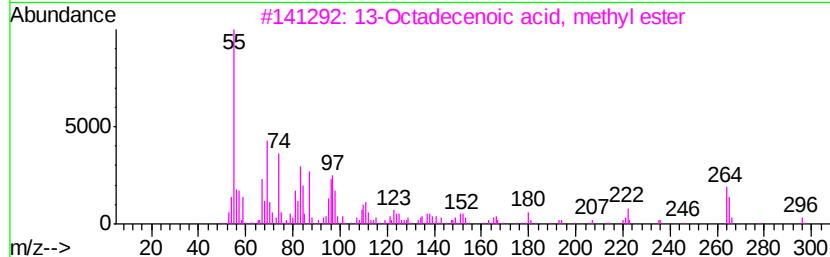
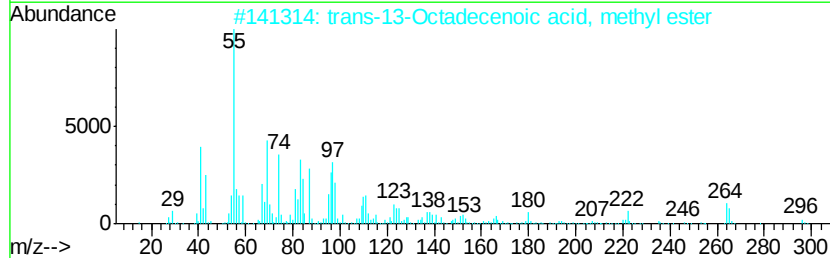
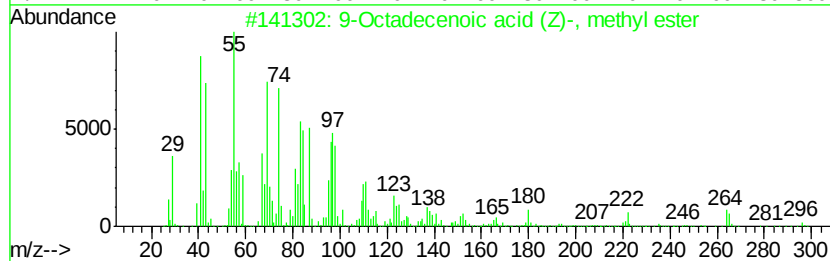
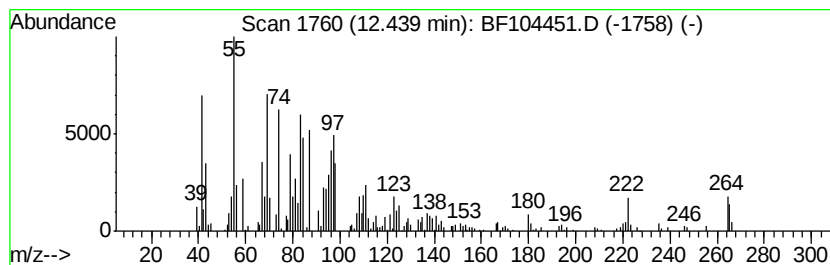
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 9-Octadecenoic acid (Z)-, m... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.44	11.24 ng	529954	Phenanthrene-d10	11.34

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9-Octadecenoic acid (Z)-, methyl...	296	C19H36O2	000112-62-9	93
2		trans-13-Octadecenoic acid, meth...	296	C19H36O2	1000333-61-3	91
3		13-Octadecenoic acid, methyl ester	296	C19H36O2	056554-47-3	90
4		6-Octadecenoic acid, methyl este...	296	C19H36O2	002777-58-4	90
5		14-Octadecenoic acid, methyl ester	296	C19H36O2	056554-48-4	83



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041218\
Data File : BF104451.D
Acq On : 12 Apr 2018 15:21
Operator : JU/SJ
Sample : J2162-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EO-01-041118-A

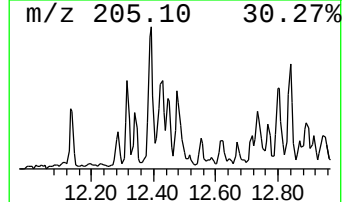
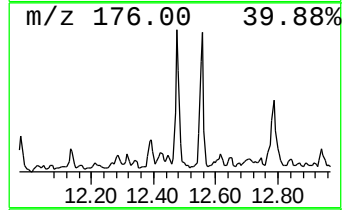
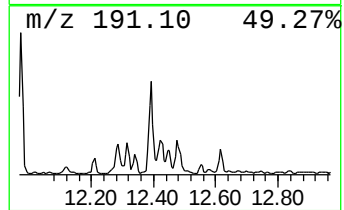
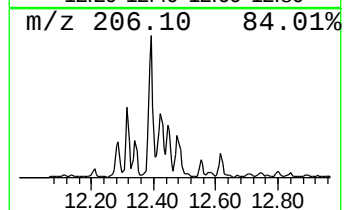
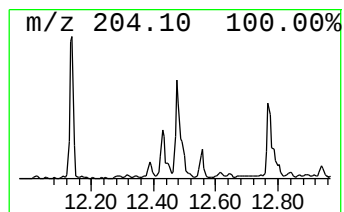
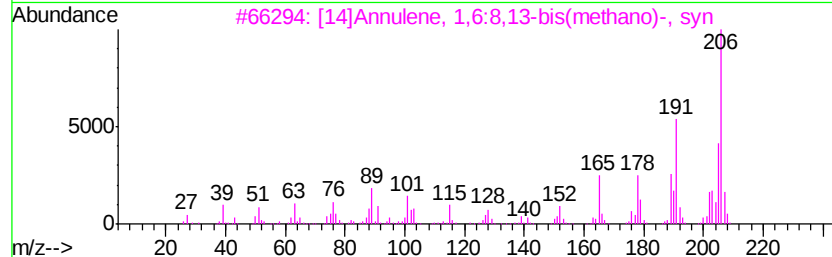
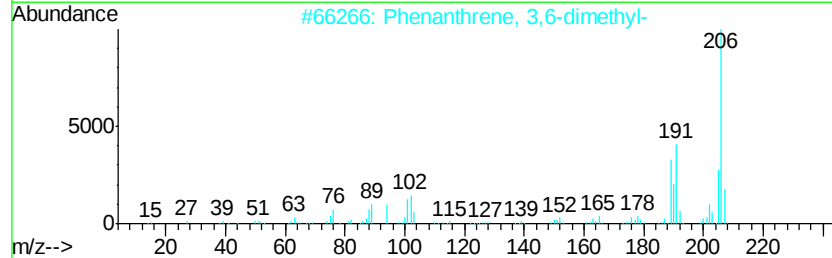
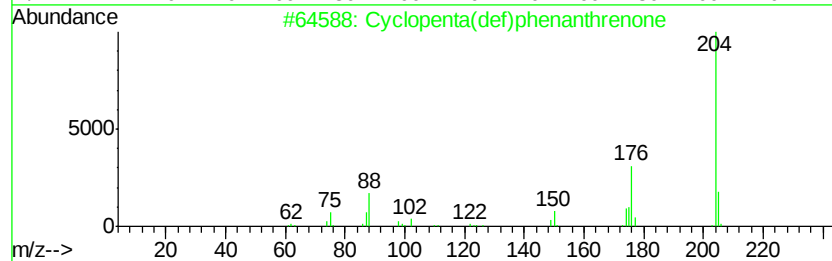
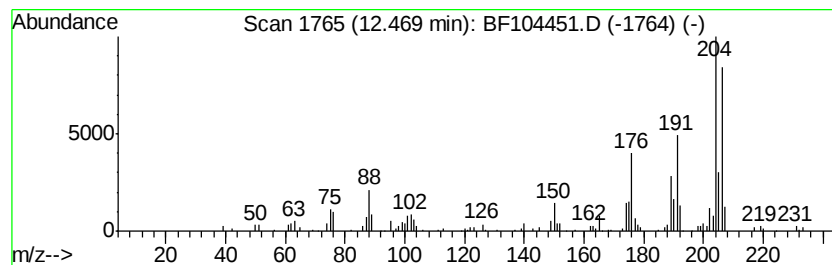
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Cyclopenta(def)phenanthrenone Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.47	5.54 ng	261112	Phenanthrene-d10	11.34

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	90
2		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	55
3		[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	50
4		3-Methyl-1-phenyl-1H-indene	206	C16H14	022360-63-0	42
5		Anthracene, 2-ethyl-	206	C16H14	052251-71-5	42



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041218\
Data File : BF104451.D
Acq On : 12 Apr 2018 15:21
Operator : JU/SJ
Sample : J2162-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

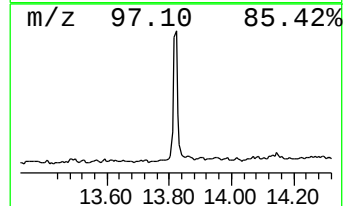
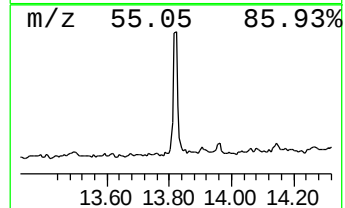
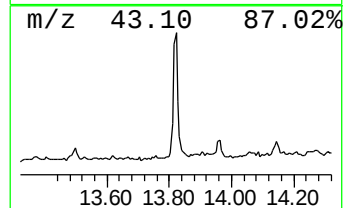
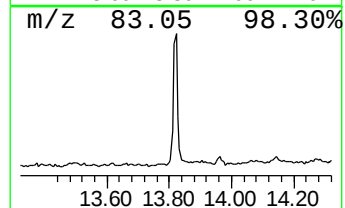
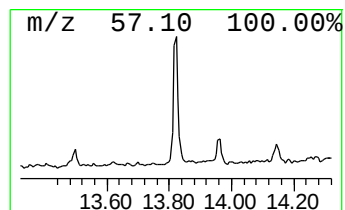
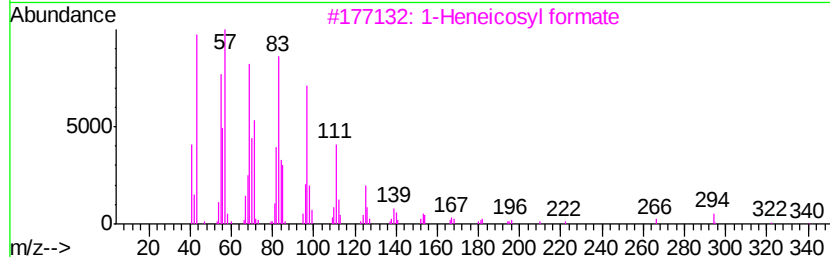
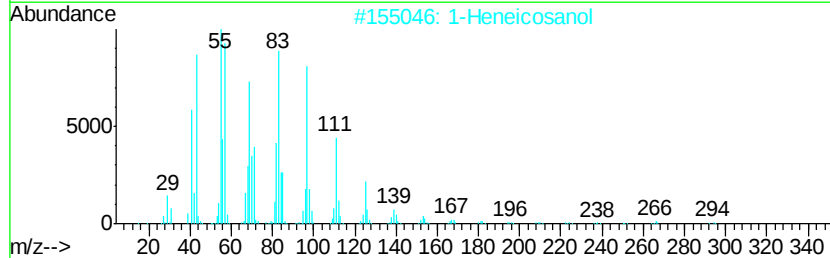
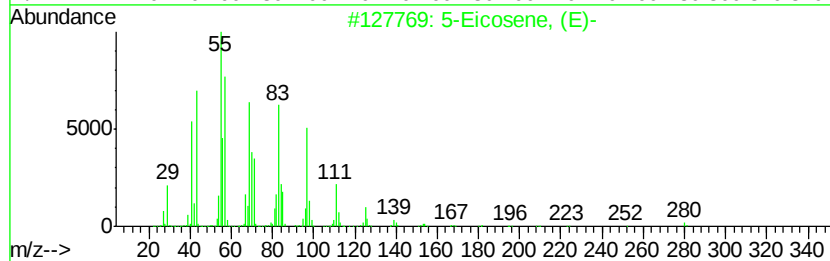
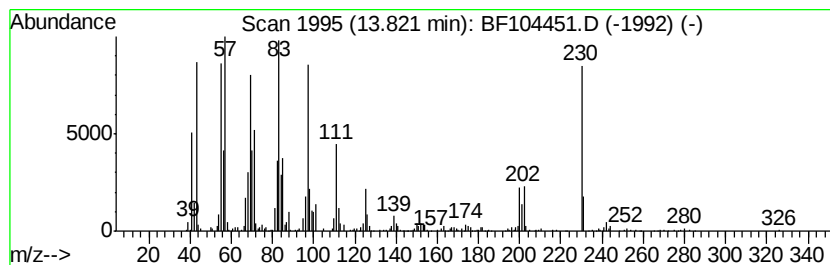
Instrument :
BNA_F
ClientSampleId :
EO-01-041118-A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 5-Eicosene, (E)- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.82	6.68 ng	610311	Chrysene-d12	13.99	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Eicosene, (E)-	280	C20H40	074685-30-6	97
2	1-Heneicosanol	312	C21H44O	015594-90-8	93
3	1-Heneicosyl formate	340	C22H44O2	077899-03-7	93
4	Cyclopentadecane	210	C15H30	000295-48-7	93
5	n-Tetracosanol-1	354	C24H50O	000506-51-4	93



Data Path : Z:\HPCHEM1\BNA F\DATA\BF041218\
Data File : BF104451.D
Acq On : 12 Apr 2018 15:21
Operator : JU/SJ
Sample : J2162-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

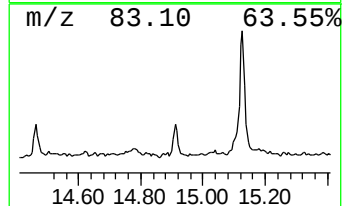
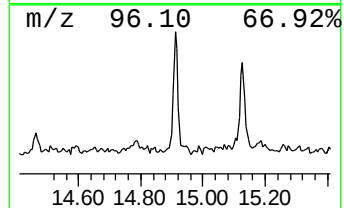
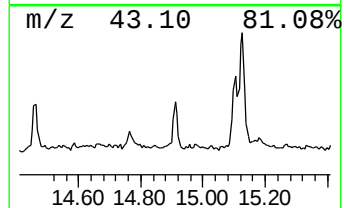
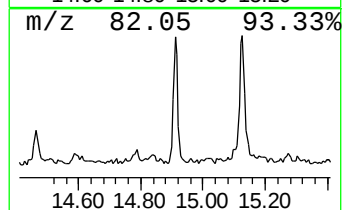
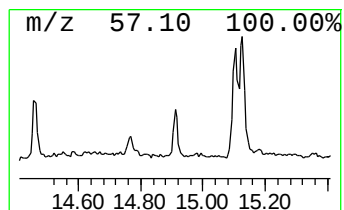
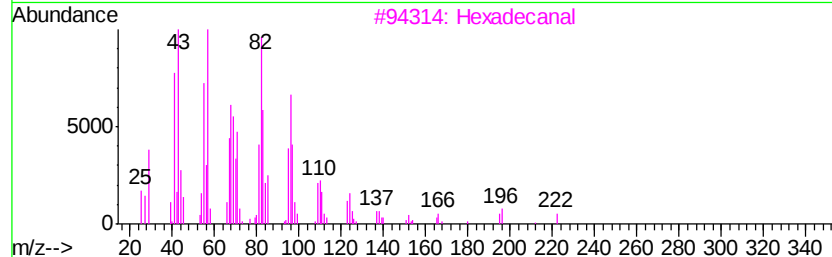
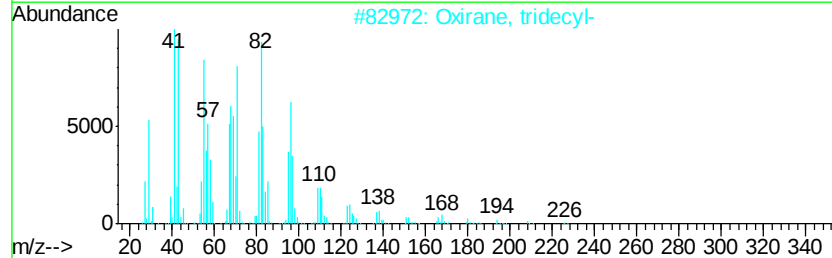
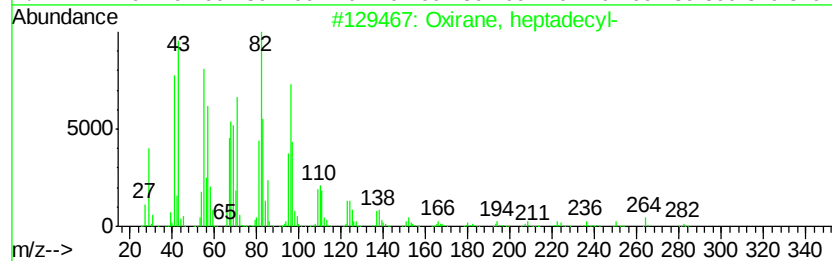
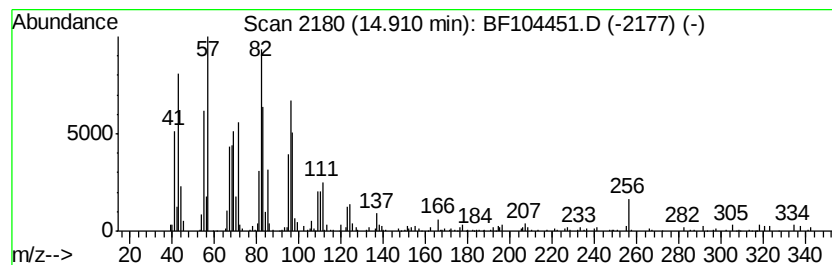
Instrument :
BNA_F
ClientSampleId :
EO-01-041118-A

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Oxirane, heptadecyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD		R.T.
14.91	4.41 ng	139010	Perylene-d12		15.46
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxirane, heptadecyl-	282	C19H38O	067860-04-2	98
2	Oxirane, tridecyl-	226	C15H30O	018633-25-5	93
3	Hexadecanal	240	C16H32O	000629-80-1	91
4	Oxirane, hexadecyl-	268	C18H36O	007390-81-0	91
5	Oxirane, tetradecyl-	240	C16H32O	007320-37-8	91



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041218\
Data File : BF104451.D
Acq On : 12 Apr 2018 15:21
Operator : JU/SJ
Sample : J2162-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EO-01-041118-A

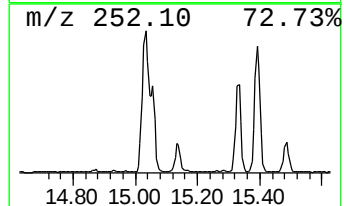
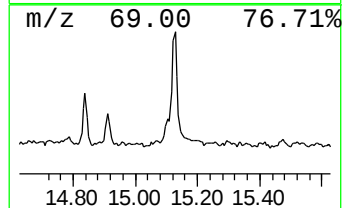
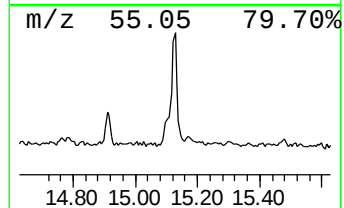
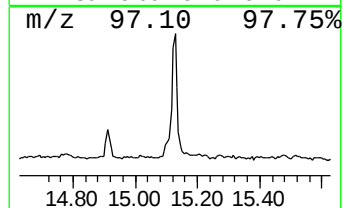
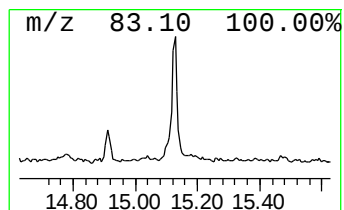
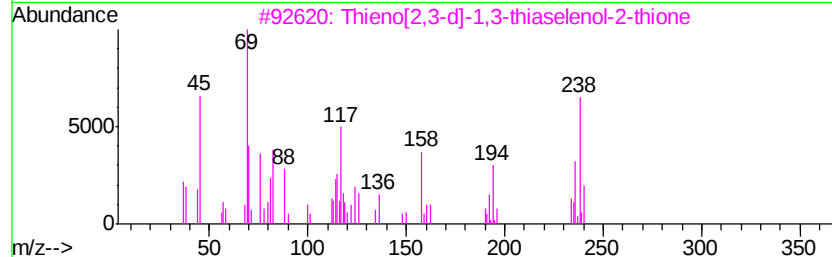
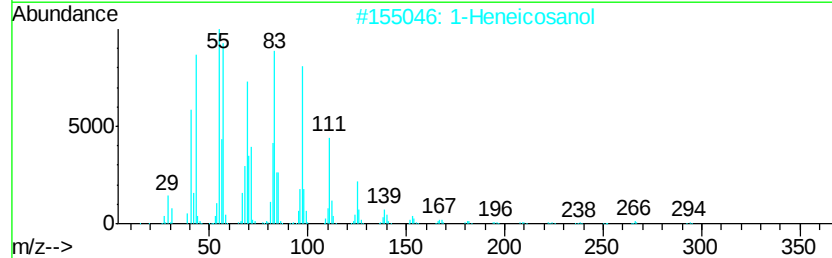
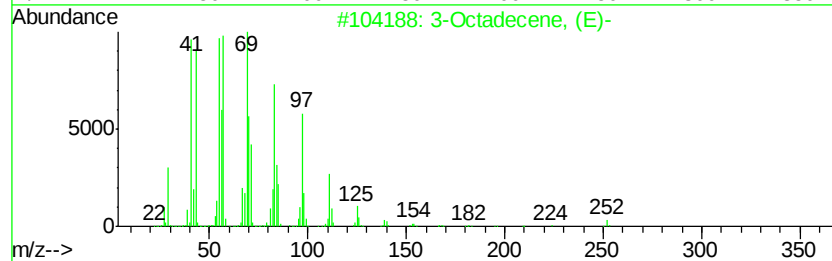
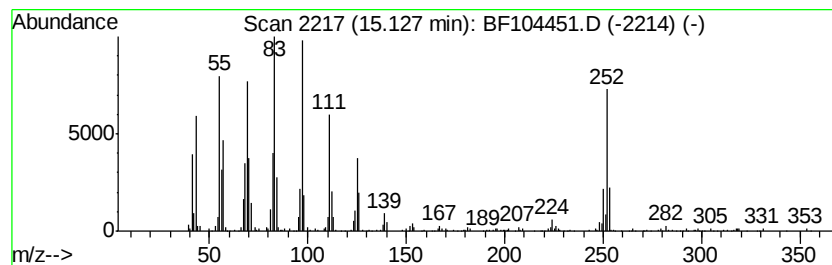
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 3-Octadecene, (E)- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.13	16.86 ng	531269	Perylene-d12	15.46

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Octadecene, (E)-	252	C18H36	007206-19-1	89
2		1-Heneicosanol	312	C21H44O	015594-90-8	58
3		Thieno[2.3-d]-1,3-thiaselenol-2-...	238	C5H2S3Se	081803-09-0	53
4		1-Octadecene	252	C18H36	000112-88-9	49
5		1-Octadecanol	270	C18H38O	000112-92-5	46



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041218\
Data File : BF104451.D
Acq On : 12 Apr 2018 15:21
Operator : JU/SJ
Sample : J2162-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EO-01-041118-A

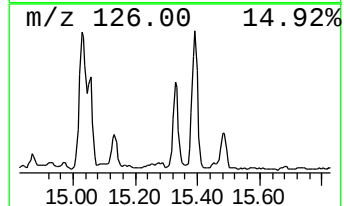
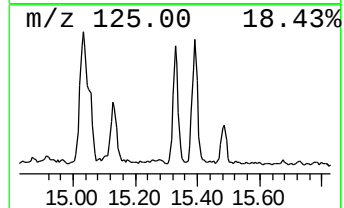
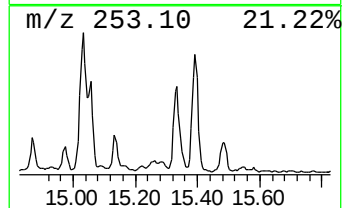
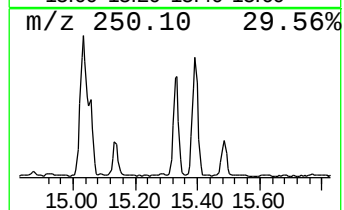
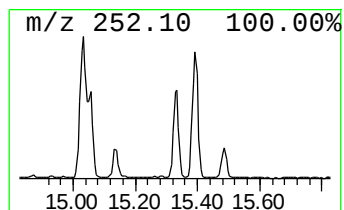
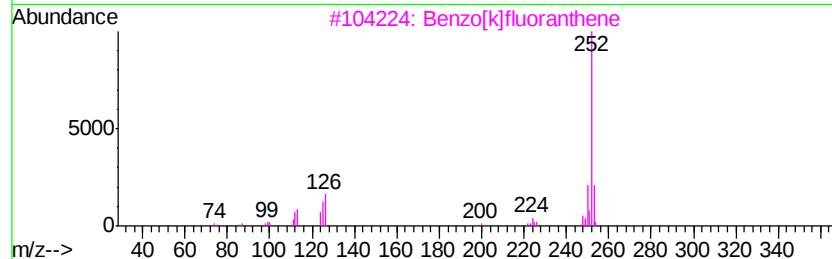
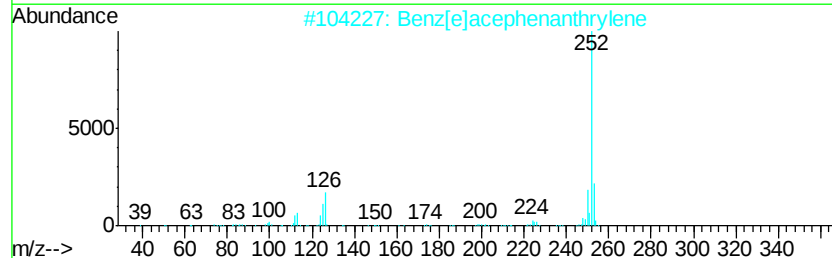
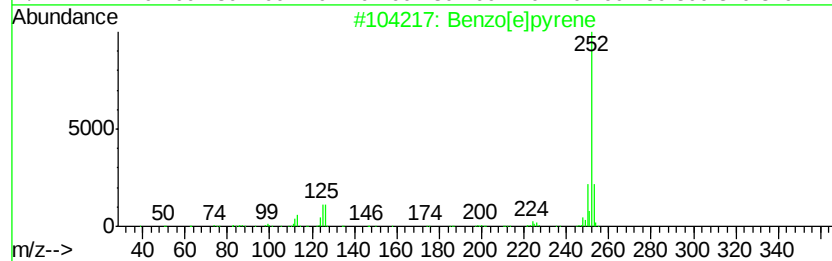
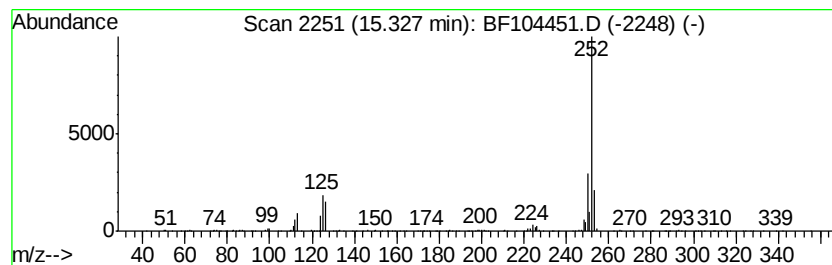
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Benzo[e]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.33	13.42 ng	422774	Perylene-d12	15.46

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[e]pyrene	252	C20H12	000192-97-2	95
2		Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	93
3		Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
4		Benzo[i]fluoranthene	252	C20H12	000205-82-3	91
5		Benzo[a]pyrene	252	C20H12	000050-32-8	91



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041218\
Data File : BF104451.D
Acq On : 12 Apr 2018 15:21
Operator : JU/SJ
Sample : J2162-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EO-01-041118-A

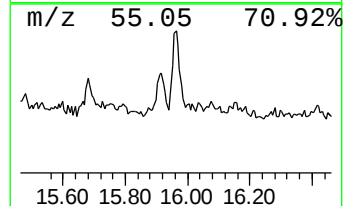
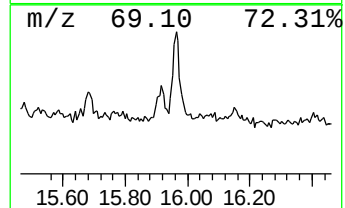
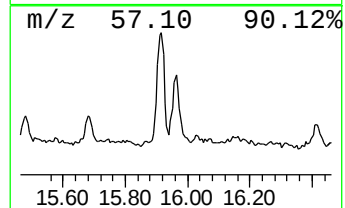
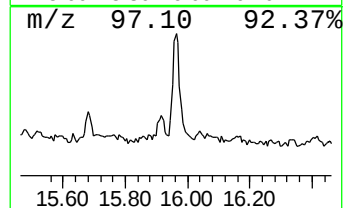
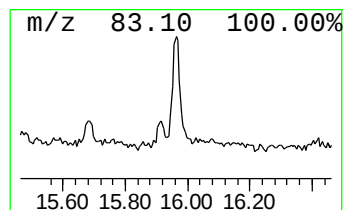
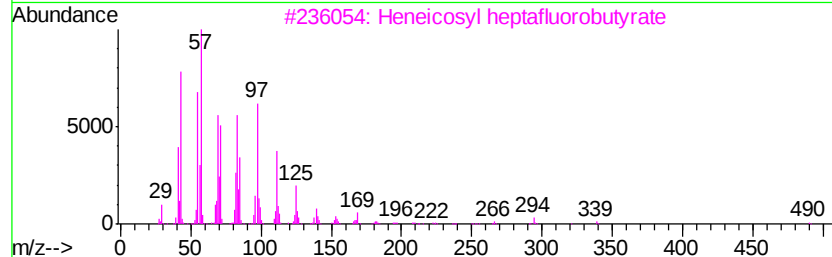
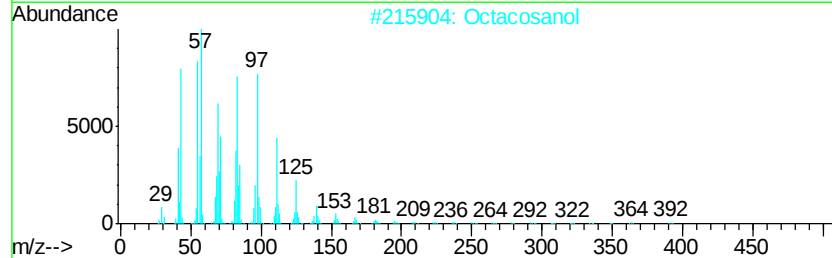
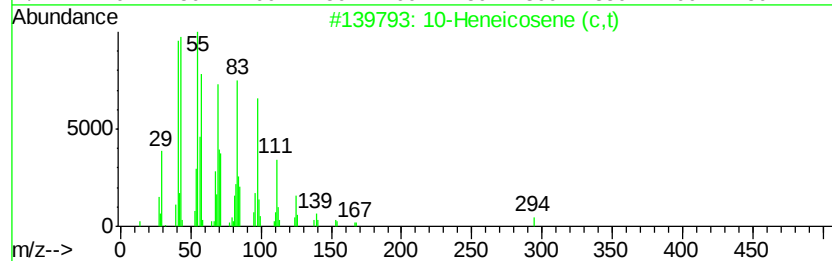
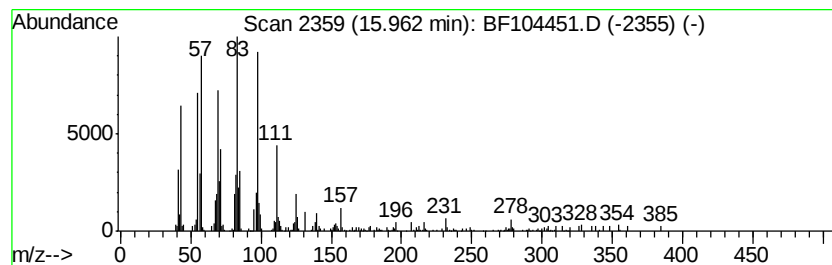
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 10-Heneicosene (c,t) Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.96	6.82 ng	215015	Perylene-d12	15.46

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	10-Heneicosene (c,t)	294	C21H42	095008-11-0	87
2		Octacosanol	410	C28H58O	000557-61-9	86
3		Heneicosyl heptafluorobutvrate	508	C25H43F7O2	1000351-83-8	64
4		Tricosyl trifluoroacetate	436	C25H47F3O2	1000351-75-1	64
5		Nonadecyl pentafluoropropionate	430	C22H39F5O2	1000351-88-8	62



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041218\
 Data File : BF104451.D
 Acq On : 12 Apr 2018 15:21
 Operator : JU/SJ
 Sample : J2162-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-01-041118-A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
2-Pentanone, 4-hy...	5.03	3.8 ng		159137	1	6.81	830682	20.0
trans-.beta.-Ocimene	6.08	4.8 ng		200588	1	6.81	830682	20.0
unknown6.58	6.58	74.9 ng		3111470	1	6.81	830682	20.0
2-Bromo dodecane	10.75	5.3 ng		247819	4	11.34	942940	20.0
Hexadecanoic acid...	11.73	6.4 ng		302396	4	11.34	942940	20.0
Phenanthrene, 2-m...	11.84	8.8 ng		416181	4	11.34	942940	20.0
5H-Dibenzo[a,d]cy...	11.95	11.2 ng		526986	4	11.34	942940	20.0
Anthracene, 2-met...	11.97	6.4 ng		301227	4	11.34	942940	20.0
Phenanthrene, 2,5...	12.39	9.6 ng		450568	4	11.34	942940	20.0
9,15-Octadecadien...	12.42	16.1 ng		757769	4	11.34	942940	20.0
9-Octadecenoic ac...	12.44	11.2 ng		529954	4	11.34	942940	20.0
Cyclopenta(def)ph...	12.47	5.5 ng		261112	4	11.34	942940	20.0
5-Eicosene, (E)-	13.82	6.7 ng		610311	5	13.99	1826840	20.0
Oxirane, heptadecyl-	14.91	4.4 ng		139010	6	15.46	630287	20.0
3-Octadecene, (E)-	15.13	16.9 ng		531269	6	15.46	630287	20.0
Benzo[e]pyrene	15.33	13.4 ng		422774	6	15.46	630287	20.0
10-Heneicosene (c,t)	15.96	6.8 ng		215015	6	15.46	630287	20.0