

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050118\
 Data File : BF105004.D
 Acq On : 2 May 2018 2:00
 Operator : JU/SJ
 Sample : J2453-15
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 T-14 1.0-1.5

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	4.998	491	495	505	rVB	69617	93508	3.95%	0.232%
2	5.404	559	564	567	rBV	2153984	2044065	86.38%	5.076%
3	6.434	733	739	756	rBV	1884046	2229215	94.20%	5.535%
4	6.557	756	760	764	rBV	2299369	2265525	95.74%	5.625%
5	6.786	795	799	806	rBV	934048	734087	31.02%	1.823%
6	6.945	822	826	829	rBV	1974813	1808699	76.43%	4.491%
7	7.357	891	896	899	rBV	1526672	1403050	59.29%	3.484%
8	8.075	1014	1018	1020	rBV	1134562	991995	41.92%	2.463%
9	8.786	1136	1139	1146	rBV	58407	54197	2.29%	0.135%
10	8.886	1151	1156	1162	rVB	64950	55528	2.35%	0.138%
11	9.151	1196	1201	1204	rBV	2637544	2366351	100.00%	5.876%
12	9.486	1251	1258	1261	rVV	56671	63596	2.69%	0.158%
13	9.545	1265	1268	1275	rVV	268242	251778	10.64%	0.625%
14	9.692	1290	1293	1296	rVV2	86051	76152	3.22%	0.189%
15	9.751	1300	1303	1307	rVB	73994	55729	2.36%	0.138%
16	9.827	1311	1316	1320	rVV2	1266233	1186775	50.15%	2.947%
17	9.863	1320	1322	1327	rVB	131024	108546	4.59%	0.270%
18	10.033	1348	1351	1355	rVV	120203	123552	5.22%	0.307%
19	10.251	1385	1388	1391	rVB	103336	85006	3.59%	0.211%
20	10.380	1406	1410	1414	rVB2	185965	179482	7.58%	0.446%
21	10.533	1431	1436	1443	rVB	71218	77950	3.29%	0.194%
22	10.627	1447	1452	1457	rBV	1496750	1566204	66.19%	3.889%
23	10.727	1465	1469	1478	rVB3	72430	108491	4.58%	0.269%
24	10.927	1497	1503	1506	rBV3	62636	91047	3.85%	0.226%
25	11.051	1520	1524	1526	rBV3	45154	50004	2.11%	0.124%
26	11.074	1526	1528	1534	rVV2	46430	59271	2.50%	0.147%
27	11.127	1534	1537	1541	rVV	117727	109151	4.61%	0.271%
28	11.174	1541	1545	1547	rVV3	74723	86807	3.67%	0.216%
29	11.216	1547	1552	1556	rVB	125540	121695	5.14%	0.302%
30	11.321	1566	1570	1572	rBV	1249891	1136515	48.03%	2.822%
31	11.351	1572	1575	1578	rVV	1687649	1538727	65.03%	3.821%
32	11.398	1578	1583	1586	rVV	517874	476321	20.13%	1.183%
33	11.433	1586	1589	1594	rVB2	49586	65174	2.75%	0.162%
34	11.557	1605	1610	1615	rBV2	232405	269667	11.40%	0.670%

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050118\
 Data File : BF105004.D
 Acq On : 2 May 2018 2:00
 Operator : JU/SJ
 Sample : J2453-15
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 T-14 1.0-1.5

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	11.616	1615	1620	1624	rVV4	47302	81159	3.43%	0.202%
36	11.657	1624	1627	1631	rVV3	59133	79618	3.36%	0.198%
37	11.821	1651	1655	1658	rBV	265146	248362	10.50%	0.617%
38	11.851	1658	1660	1664	rVB	388960	323777	13.68%	0.804%
39	11.898	1664	1668	1671	rBV	148248	139143	5.88%	0.346%
40	11.939	1671	1675	1677	rVV	343932	404550	17.10%	1.005%
41	11.957	1677	1678	1684	rVB	182656	139025	5.88%	0.345%
42	12.004	1684	1686	1689	rBV2	59075	60010	2.54%	0.149%
43	12.121	1703	1706	1709	rVV	164054	146940	6.21%	0.365%
44	12.157	1709	1712	1715	rVB	92452	88414	3.74%	0.220%
45	12.268	1726	1731	1734	rBV3	64362	80380	3.40%	0.200%
46	12.298	1734	1736	1738	rVV	64392	50521	2.13%	0.125%
47	12.327	1738	1741	1743	rVB	55096	51351	2.17%	0.128%
48	12.374	1743	1749	1751	rBV	159373	164544	6.95%	0.409%
49	12.415	1751	1756	1758	rVV2	91141	145920	6.17%	0.362%
50	12.468	1761	1765	1769	rVB3	117673	147354	6.23%	0.366%
51	12.545	1773	1778	1781	rBV	1827036	1665900	70.40%	4.137%
52	12.604	1786	1788	1791	rVB2	66024	54991	2.32%	0.137%
53	12.692	1796	1803	1806	rBV4	83550	113074	4.78%	0.281%
54	12.774	1810	1817	1820	rVV2	1615300	1707675	72.16%	4.240%
55	12.821	1823	1825	1830	rVB2	109907	111297	4.70%	0.276%
56	12.915	1832	1841	1844	rBV	2095633	2067889	87.39%	5.135%
57	12.939	1844	1845	1849	rVB	113810	68723	2.90%	0.171%
58	12.998	1849	1855	1859	rBV2	128134	228221	9.64%	0.567%
59	13.080	1866	1869	1871	rBV2	112333	144891	6.12%	0.360%
60	13.104	1871	1873	1877	rVV	199164	193916	8.19%	0.482%
61	13.174	1882	1885	1888	rVV	112898	93578	3.95%	0.232%
62	13.215	1888	1892	1895	rVV2	171952	216102	9.13%	0.537%
63	13.310	1905	1908	1911	rBV	99798	85817	3.63%	0.213%
64	13.339	1911	1913	1917	rBV2	92352	105926	4.48%	0.263%
65	13.498	1937	1940	1942	rBV3	51571	57565	2.43%	0.143%
66	13.639	1961	1964	1968	rVB	159822	154453	6.53%	0.384%
67	13.757	1979	1984	1986	rBV	153467	168328	7.11%	0.418%
68	13.786	1986	1989	1991	rVV	131463	128615	5.44%	0.319%
69	13.810	1991	1993	1995	rVV	95799	95505	4.04%	0.237%
70	13.845	1995	1999	2010	rVB3	318600	591795	25.01%	1.469%
71	13.939	2010	2015	2017	rBV	34406	61969	2.62%	0.154%

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050118\
 Data File : BF105004.D
 Acq On : 2 May 2018 2:00
 Operator : JU/SJ
 Sample : J2453-15
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 T-14 1.0-1.5

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	14.027	2021	2030	2033	rBV2	1055171	1840652	77.78%	4.570%
73	14.057	2033	2035	2043	rVB	726939	660436	27.91%	1.640%
74	14.145	2047	2050	2052	rVB	69255	61955	2.62%	0.154%
75	14.198	2056	2059	2065	rBV5	74380	126122	5.33%	0.313%
76	14.280	2071	2073	2076	rVB	65945	60017	2.54%	0.149%
77	14.415	2093	2096	2098	rBV	61088	67730	2.86%	0.168%
78	14.457	2098	2103	2106	rVB	144418	166141	7.02%	0.413%
79	14.492	2106	2109	2113	rVB2	83551	67999	2.87%	0.169%
80	14.539	2113	2117	2119	rBV3	82553	103326	4.37%	0.257%
81	14.598	2124	2127	2129	rVV	79790	94146	3.98%	0.234%
82	14.621	2129	2131	2134	rVV2	62408	67519	2.85%	0.168%
83	14.674	2138	2140	2147	rVB2	53430	72621	3.07%	0.180%
84	14.809	2160	2163	2168	rBV2	51130	77991	3.30%	0.194%
85	14.886	2173	2176	2180	rBV3	58716	69757	2.95%	0.173%
86	14.998	2191	2195	2199	rBV2	66424	83211	3.52%	0.207%
87	15.162	2217	2223	2226	rBV	578452	916795	38.74%	2.276%
88	15.227	2232	2234	2238	rVB4	50000	56007	2.37%	0.139%
89	15.268	2238	2241	2245	rVB	126448	129574	5.48%	0.322%
90	15.374	2253	2259	2262	rBV2	41206	98537	4.16%	0.245%
91	15.415	2264	2266	2269	rVV3	44682	57792	2.44%	0.144%
92	15.468	2270	2275	2281	rVB	332162	463859	19.60%	1.152%
93	15.533	2281	2286	2291	rBV	482317	627125	26.50%	1.557%
94	15.592	2291	2296	2300	rVV	584273	811247	34.28%	2.014%
95	15.621	2300	2301	2309	rVB2	147691	185527	7.84%	0.461%
96	17.074	2541	2548	2555	rBV3	175771	377495	15.95%	0.937%
97	17.256	2572	2579	2584	rBV2	56295	119969	5.07%	0.298%
98	17.309	2584	2588	2594	rVB4	34269	64223	2.71%	0.159%
99	17.521	2618	2624	2635	rVB	127174	278682	11.78%	0.692%
100	17.768	2661	2666	2673	rBV	34366	64861	2.74%	0.161%

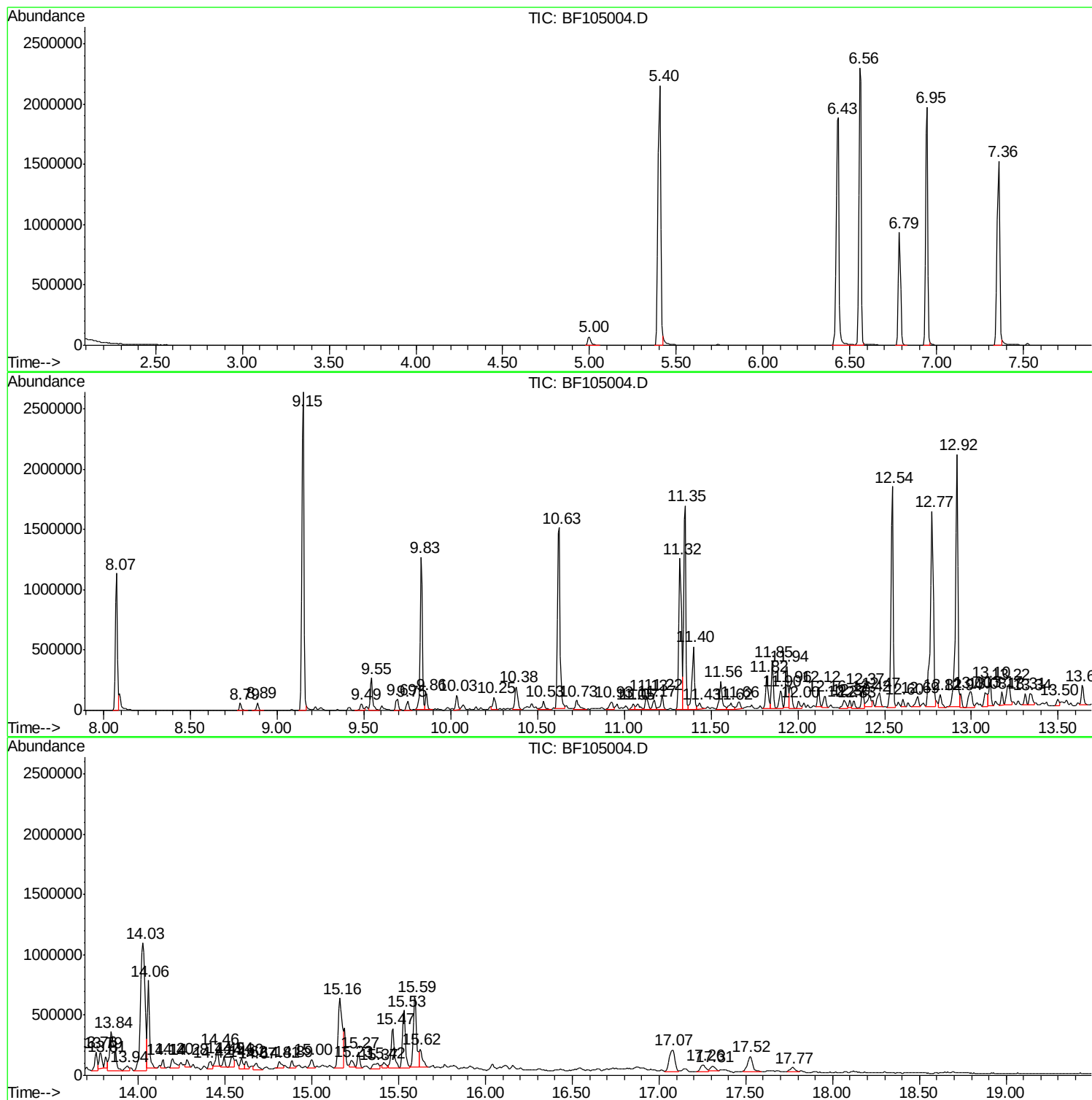
Sum of corrected areas: 40272474

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050118\
Data File : BF105004.D
Acq On : 2 May 2018 2:00
Operator : JU/SJ
Sample : J2453-15
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampled :
T-14 1.0-1.5

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\BF050118\
Data File : BF105004.D
Acq On : 2 May 2018 2:00
Operator : JU/SJ
Sample : J2453-15
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
T-14 1.0-1.5

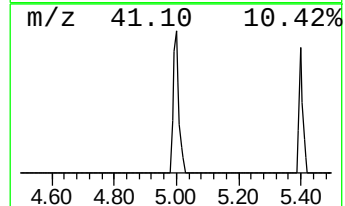
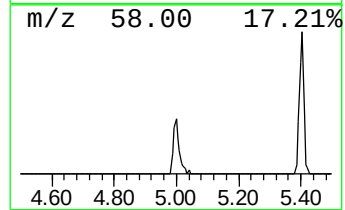
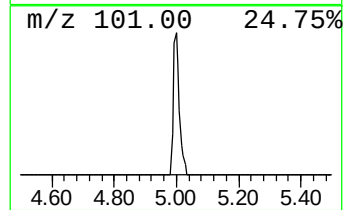
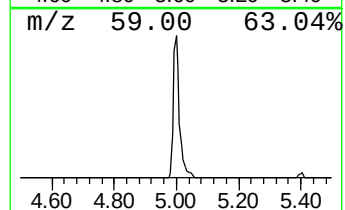
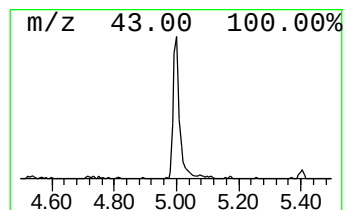
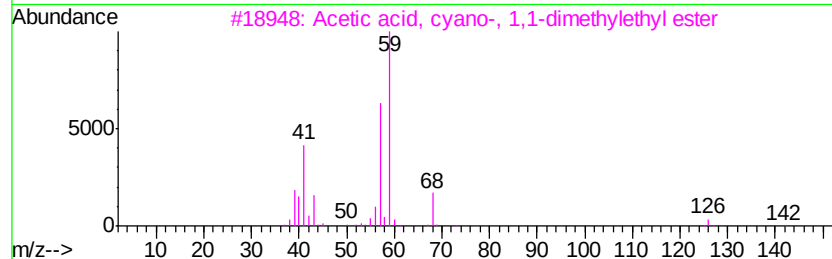
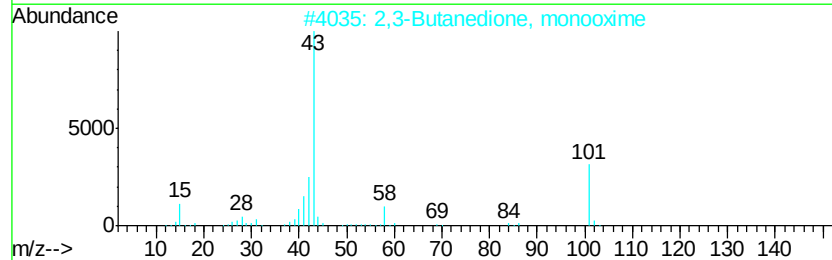
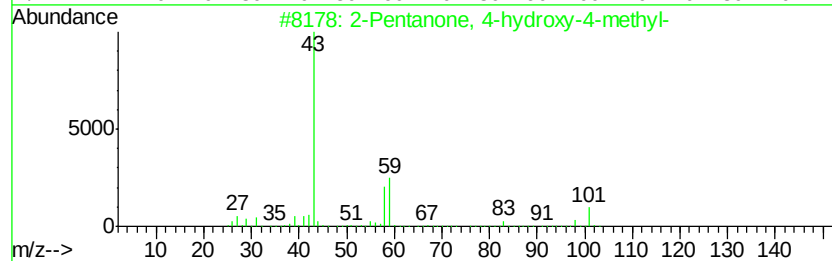
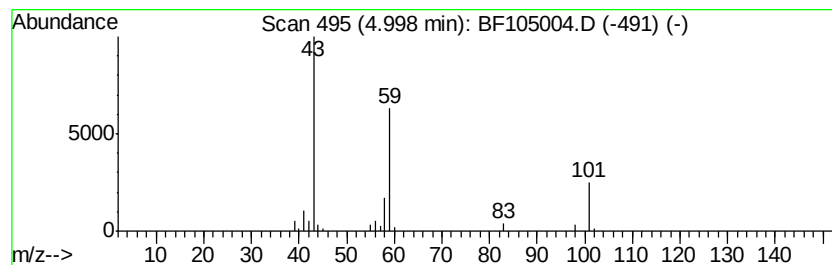
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.00	2.55 ng	93508	1,4-Dichlorobenzene-d4	6.79

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2			2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	25
3			Acetic acid, cyano-, 1,1-dimethyl...	141	C7H11NO2	001116-98-9	17
4			(+)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	9
5			Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050118\
Data File : BF105004.D
Acq On : 2 May 2018 2:00
Operator : JU/SJ
Sample : J2453-15
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
T-14 1.0-1.5

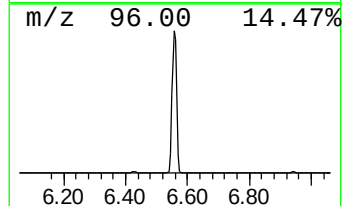
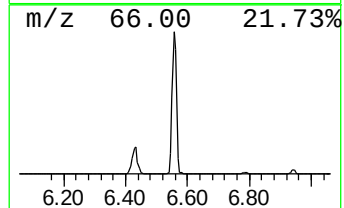
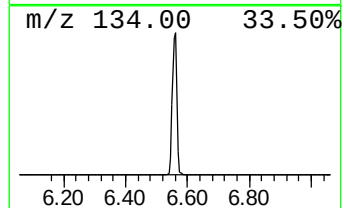
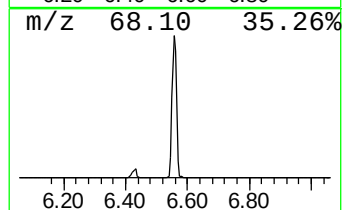
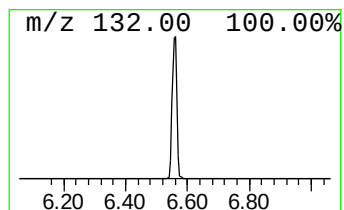
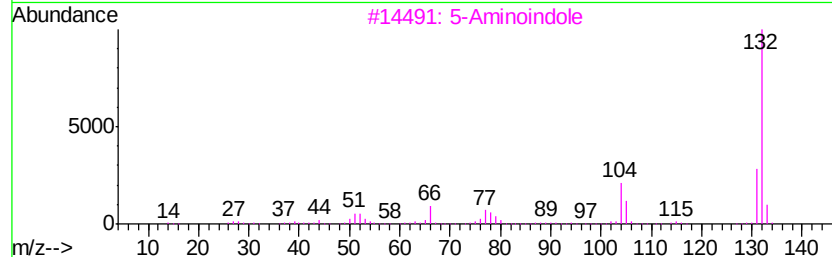
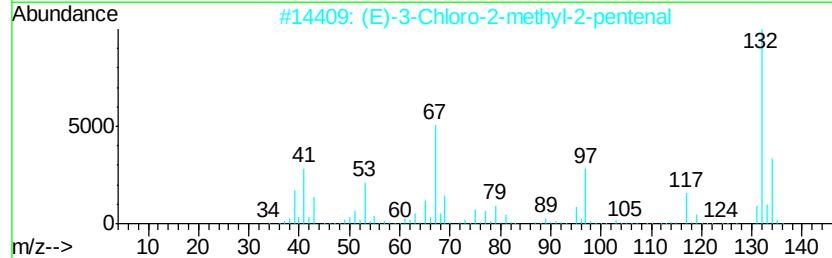
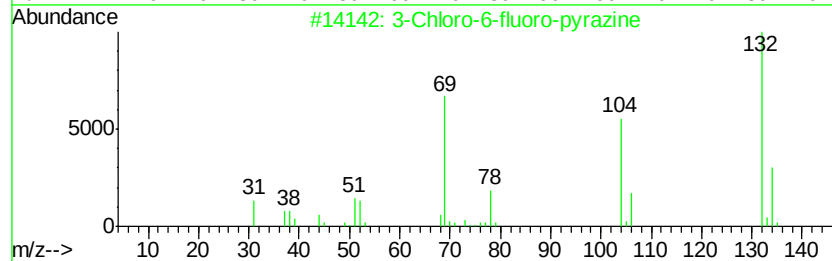
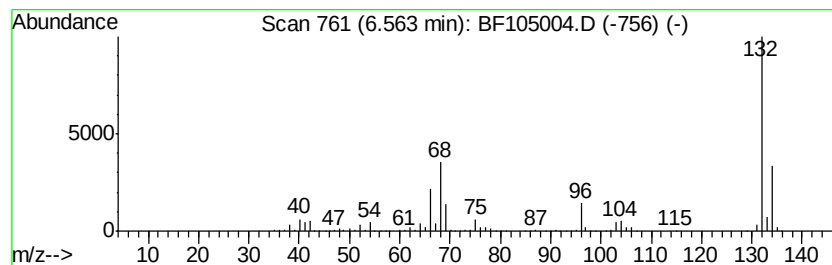
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 unknown6.56 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.56	61.72 ng	2265530	1,4-Dichlorobenzene-d4	6.79

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16
2		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	16
3		5-Aminoindole	132	C8H8N2	005192-03-0	12
4		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9
5		1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050118\
Data File : BF105004.D
Acq On : 2 May 2018 2:00
Operator : JU/SJ
Sample : J2453-15
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
T-14 1.0-1.5

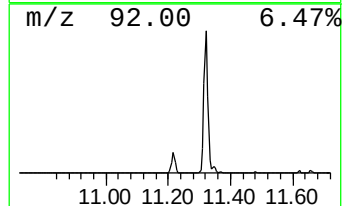
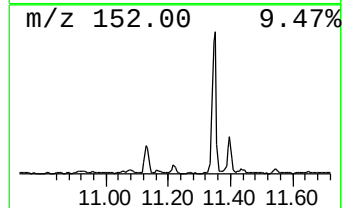
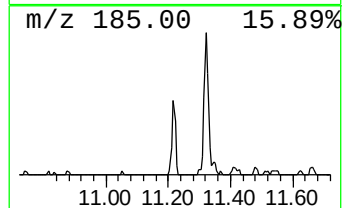
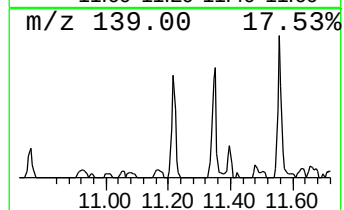
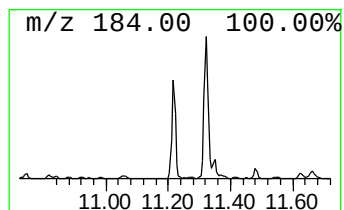
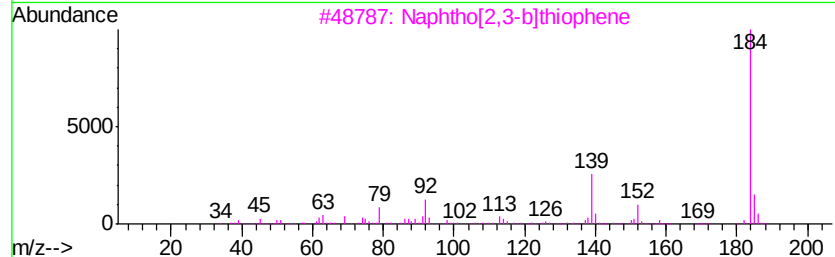
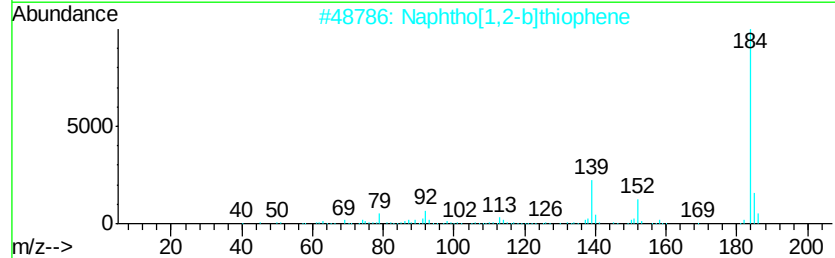
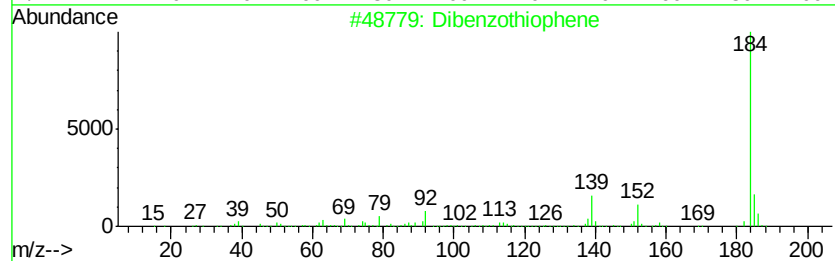
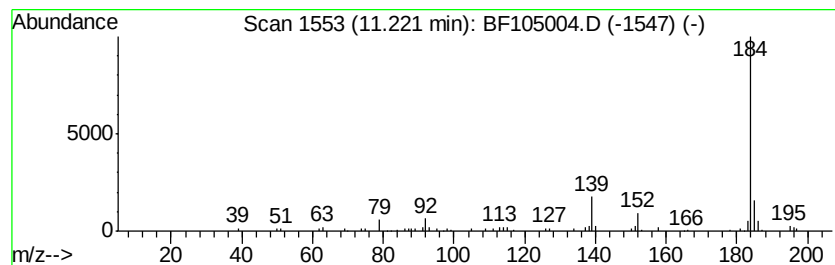
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Dibenzothiophene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.22	2.14 ng	121695	Phenanthrene-d10	11.32

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Dibenzothiophene	184	C12H8S	000132-65-0	97
2		Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	96
3		Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
4		Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	94
5		Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050118\
Data File : BF105004.D
Acq On : 2 May 2018 2:00
Operator : JU/SJ
Sample : J2453-15
Misc :
ALS Vial : 28 Sample Multiplier: 1

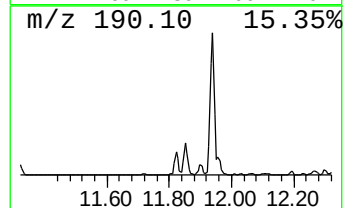
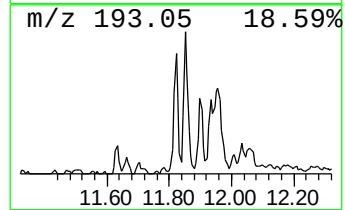
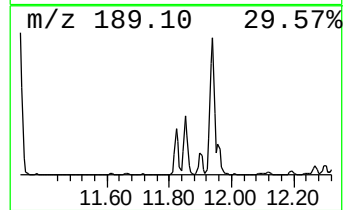
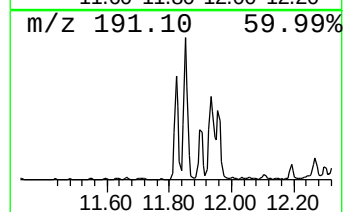
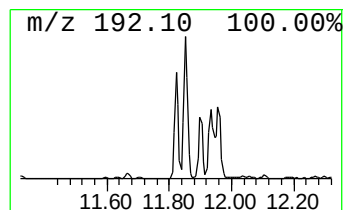
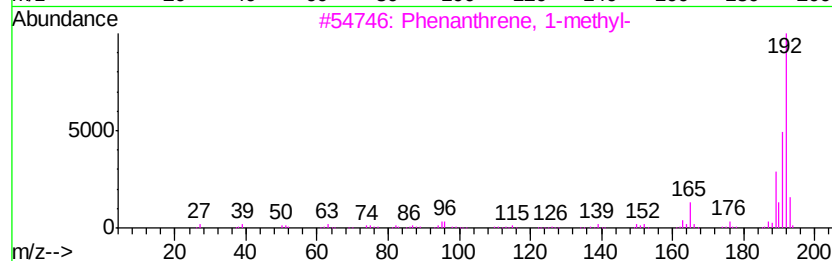
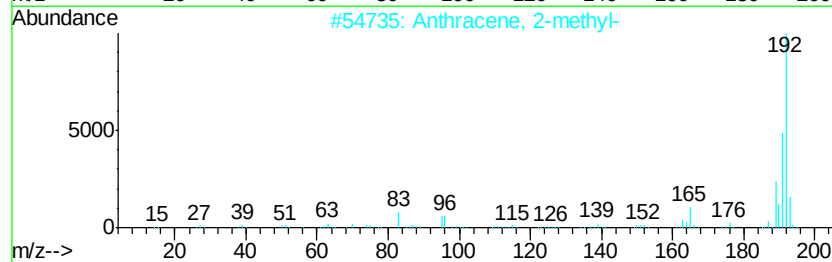
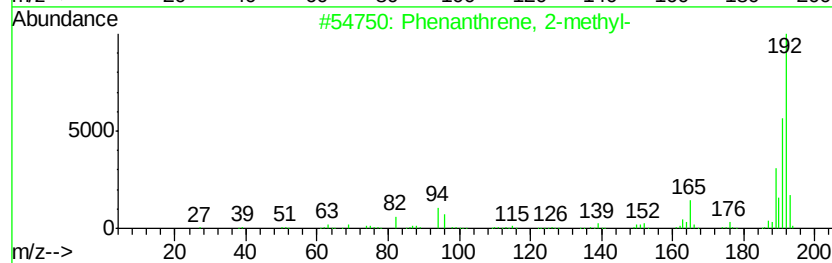
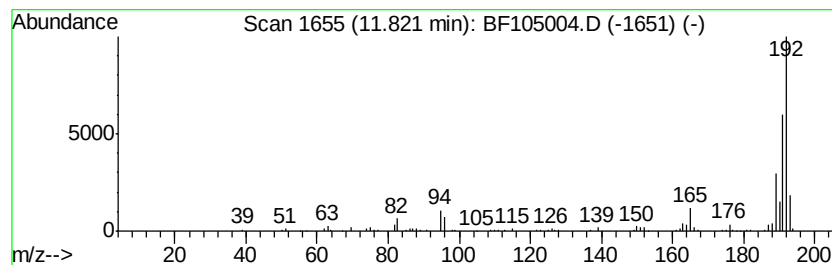
Instrument :
BNA_F
ClientSampleId :
T-14 1.0-1.5

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 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.82	4.37 ng	248362	Phenanthrene-d10	11.32	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050118\
Data File : BF105004.D
Acq On : 2 May 2018 2:00
Operator : JU/SJ
Sample : J2453-15
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
T-14 1.0-1.5

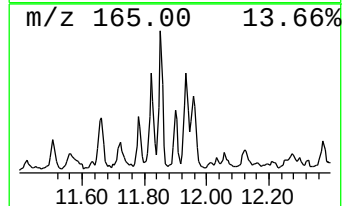
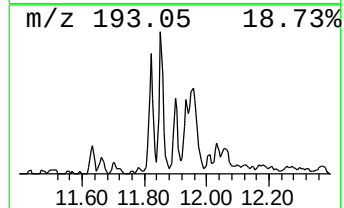
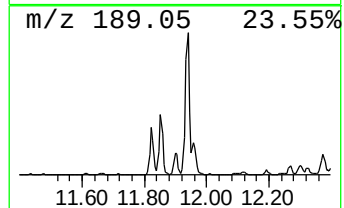
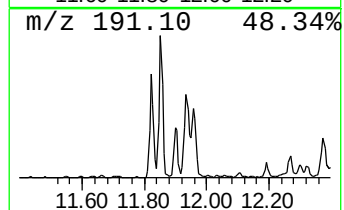
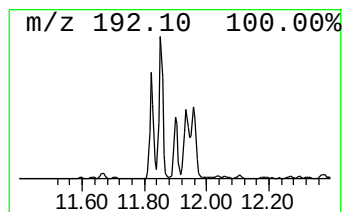
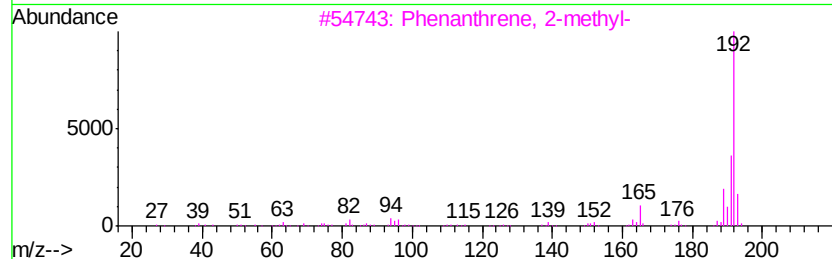
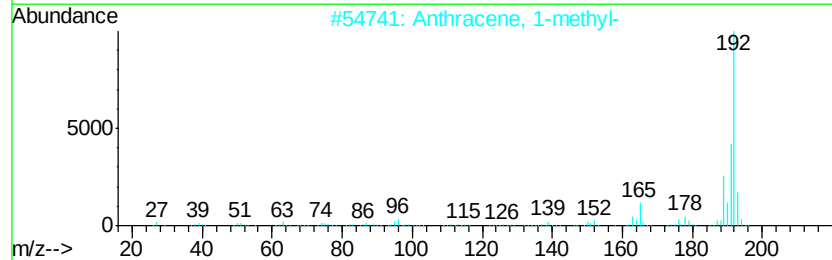
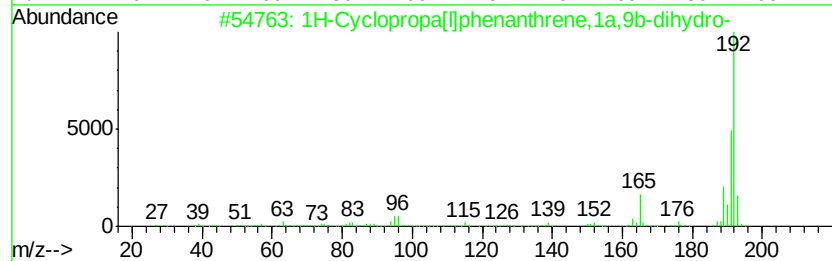
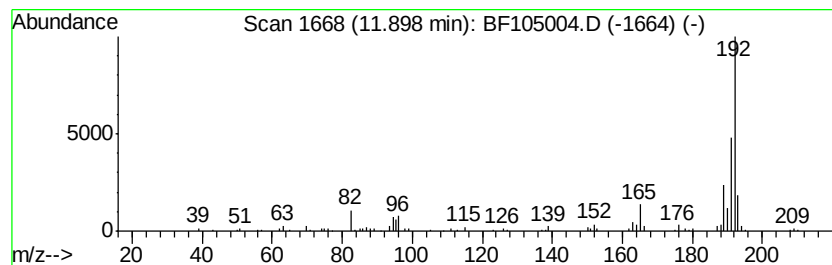
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 1H-Cyclopropa[l]phenanthren... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.90	2.45 ng	139143	Phenanthrene-d10	11.32

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1H-Cyclopropa[l]phenanthrene, 1a, ...	192	C15H12	000949-41-7	96
2			Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
3			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
5			Anthracene, 2-methyl-	192	C15H12	000613-12-7	94



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050118\
Data File : BF105004.D
Acq On : 2 May 2018 2:00
Operator : JU/SJ
Sample : J2453-15
Misc :
ALS Vial : 28 Sample Multiplier: 1

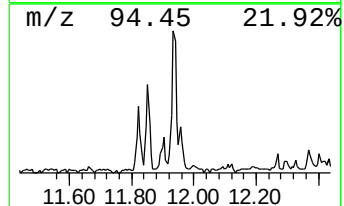
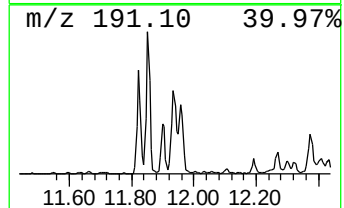
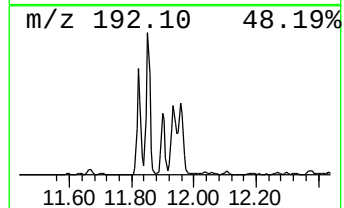
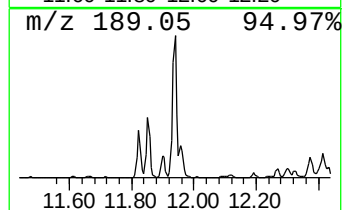
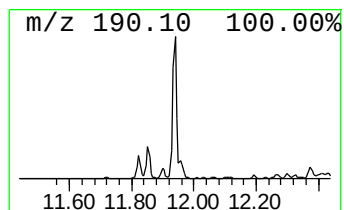
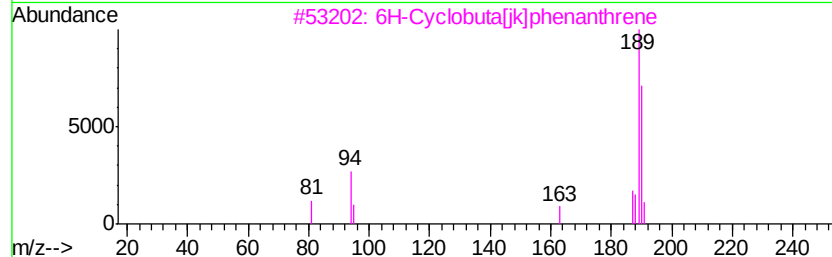
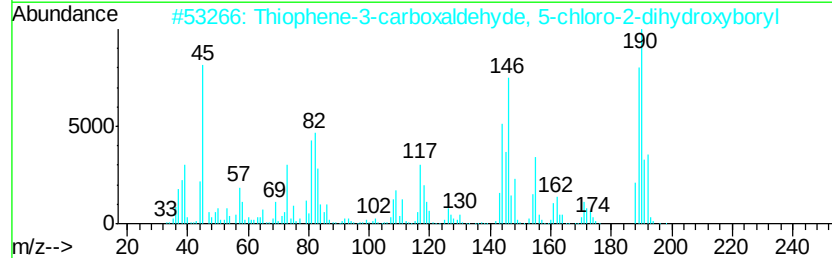
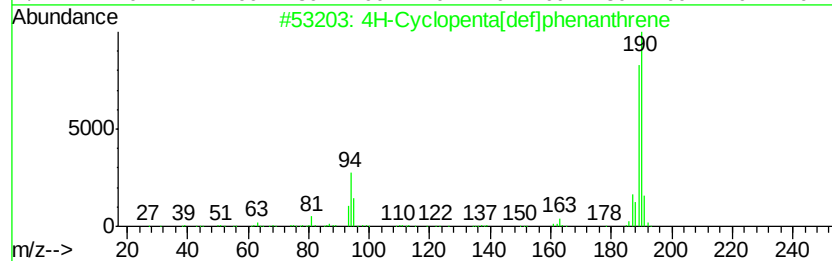
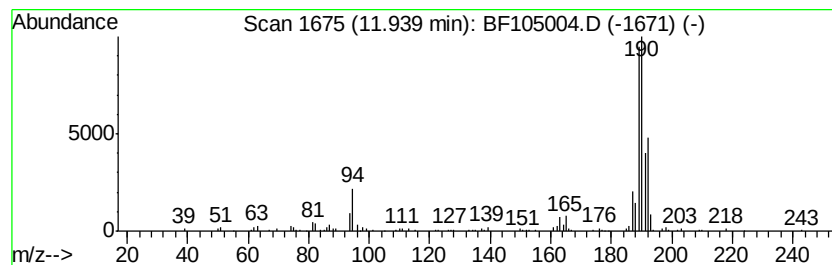
Instrument :
BNA_F
ClientSampleId :
T-14 1.0-1.5

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 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.94	7.12 ng	404550	Phenanthrene-d10	11.32	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	53
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	42
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	40
5	Methyl diselenide	190	C2H6Se2	007101-31-7	35



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050118\
Data File : BF105004.D
Acq On : 2 May 2018 2:00
Operator : JU/SJ
Sample : J2453-15
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
T-14 1.0-1.5

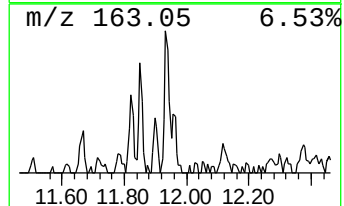
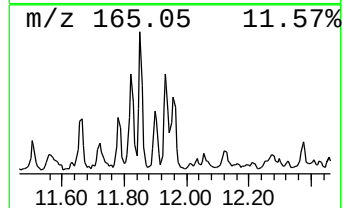
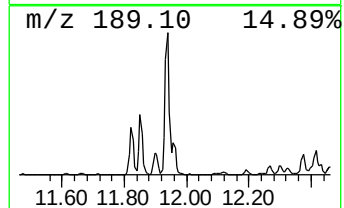
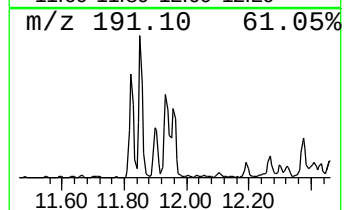
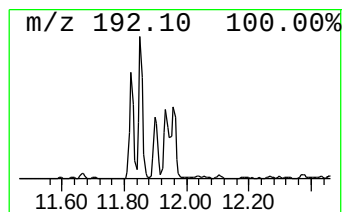
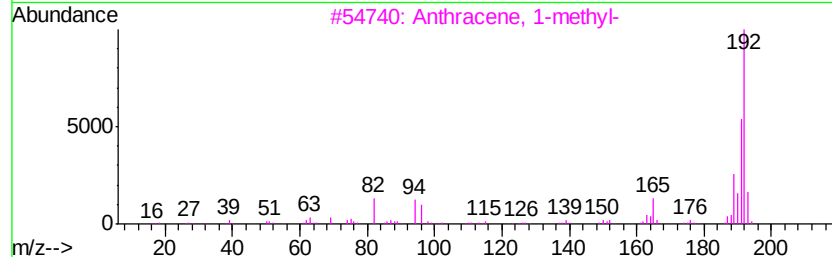
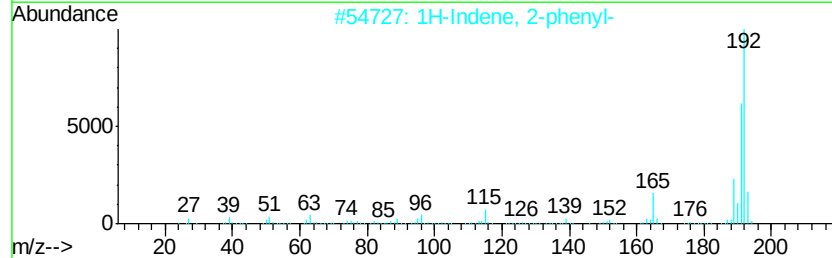
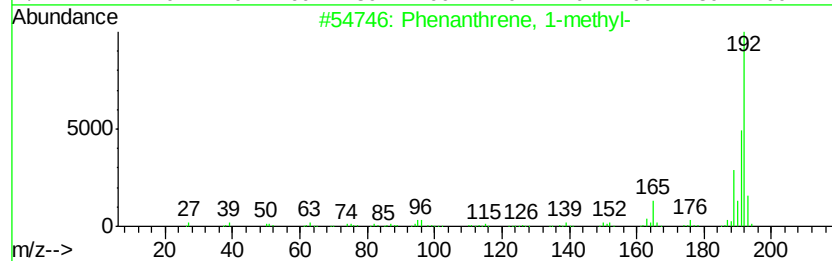
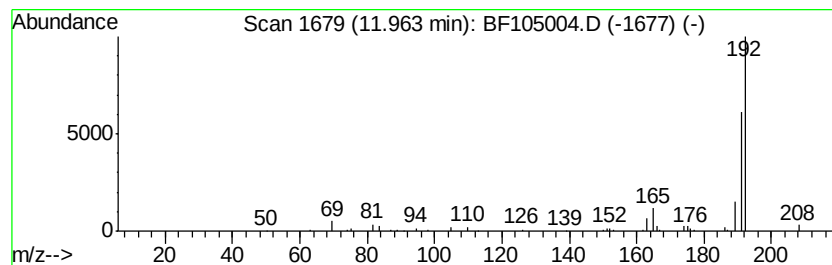
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Phenanthrene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.96	2.45 ng	139025	Phenanthrene-d10	11.32

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	76
2		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	76
3		Anthracene, 1-methyl-	192	C15H12	000610-48-0	74
4		Anthracene, 9-methyl-	192	C15H12	000779-02-2	72
5		1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	68



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050118\
Data File : BF105004.D
Acq On : 2 May 2018 2:00
Operator : JU/SJ
Sample : J2453-15
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
T-14 1.0-1.5

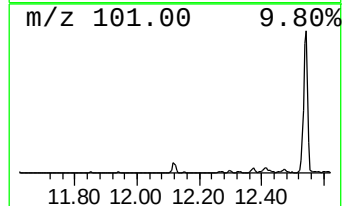
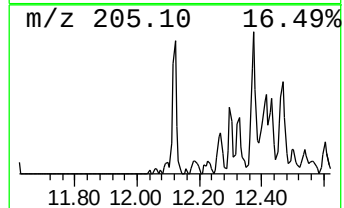
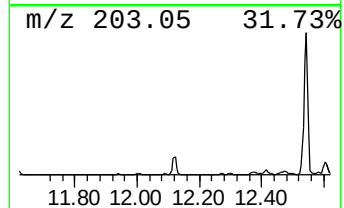
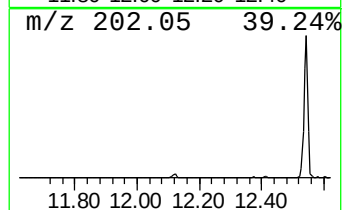
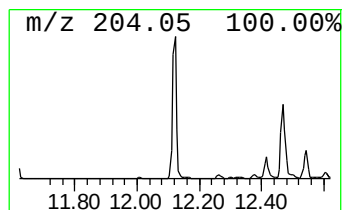
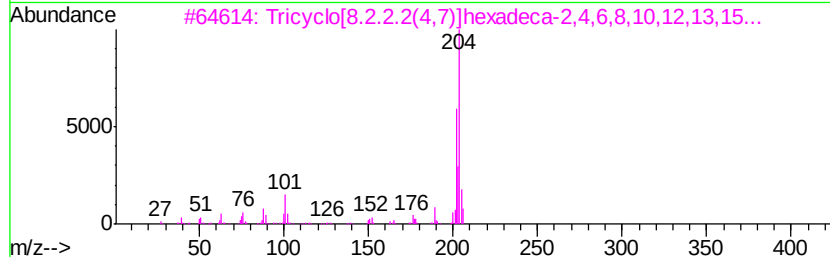
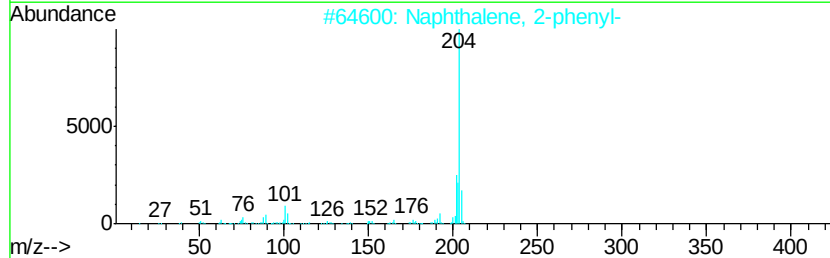
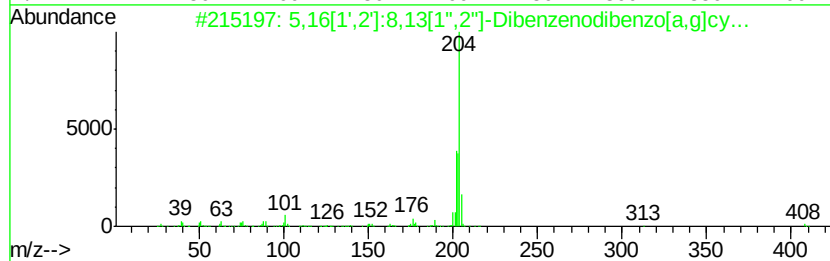
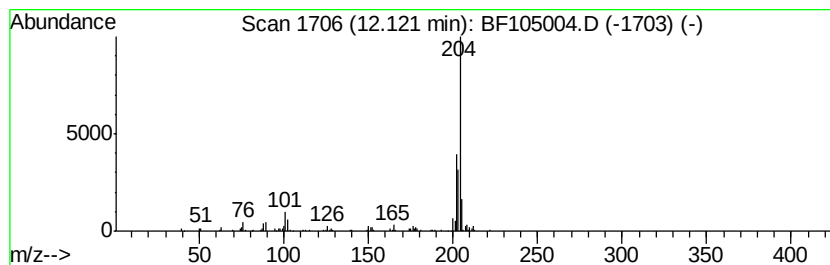
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.12	2.59 ng	146940	Phenanthrene-d10	11.32

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	78
2		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70
3		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	62
4		9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	53
5		Levamisole	204	C11H12N2S	014769-73-4	49



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050118\
Data File : BF105004.D
Acq On : 2 May 2018 2:00
Operator : JU/SJ
Sample : J2453-15
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
T-14 1.0-1.5

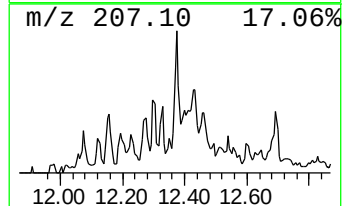
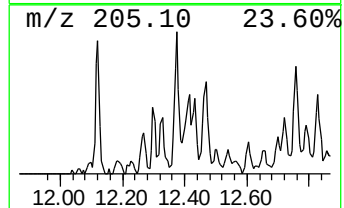
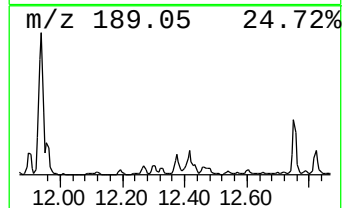
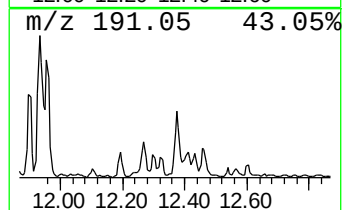
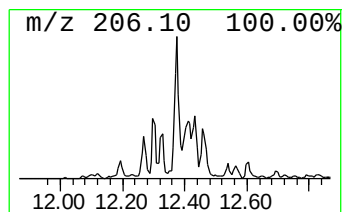
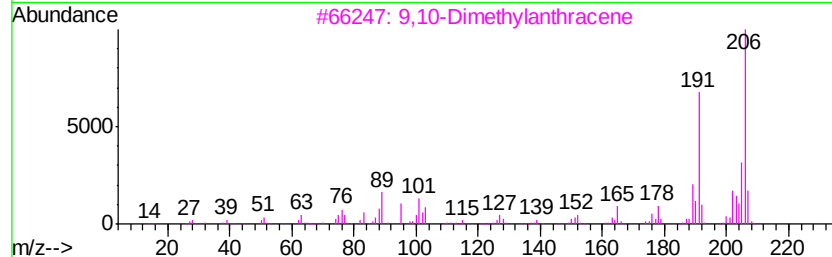
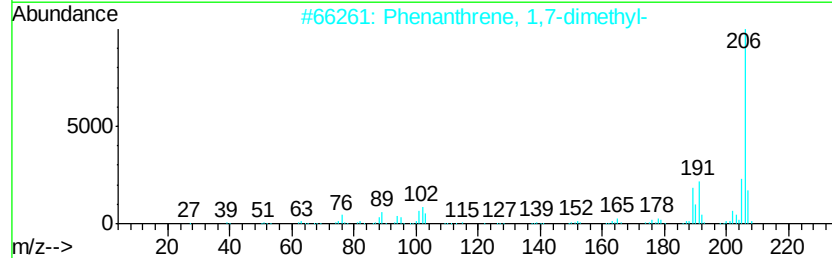
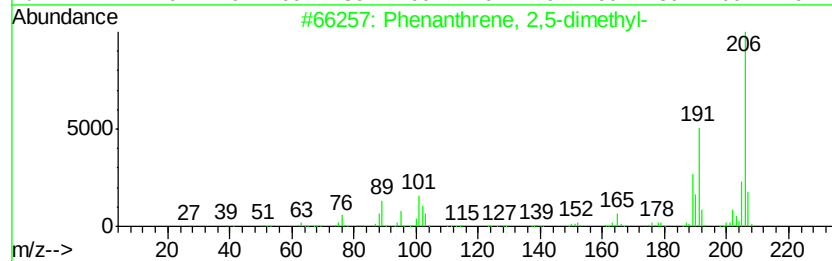
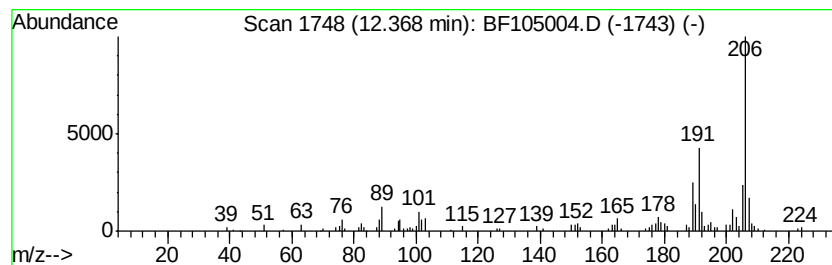
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.37	2.90 ng	164544	Phenanthrene-d10	11.32

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	98
2		Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
3		9,10-Dimethylantracene	206	C16H14	000781-43-1	93
4		Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
5		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050118\
Data File : BF105004.D
Acq On : 2 May 2018 2:00
Operator : JU/SJ
Sample : J2453-15
Misc :
ALS Vial : 28 Sample Multiplier: 1

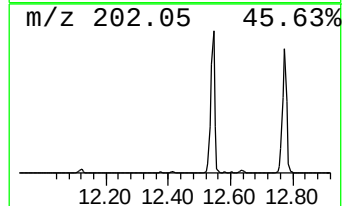
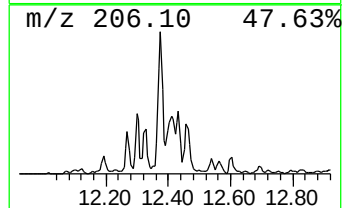
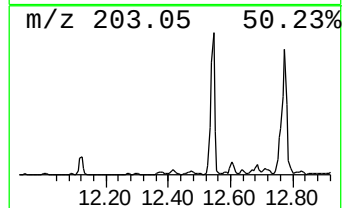
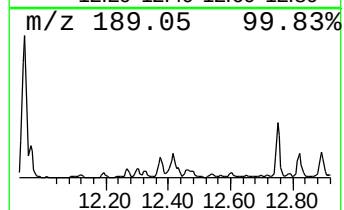
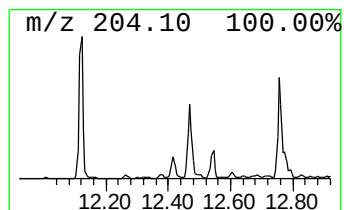
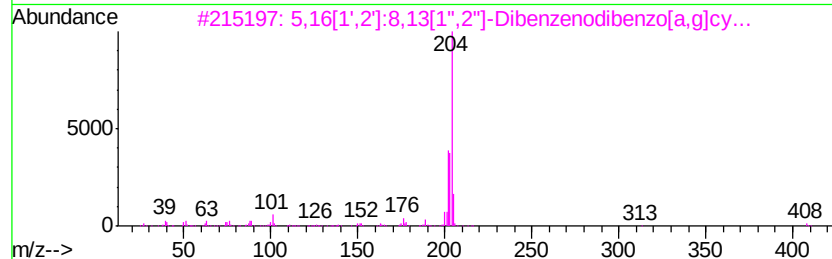
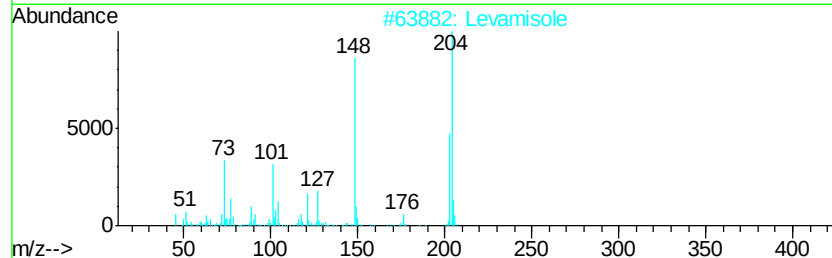
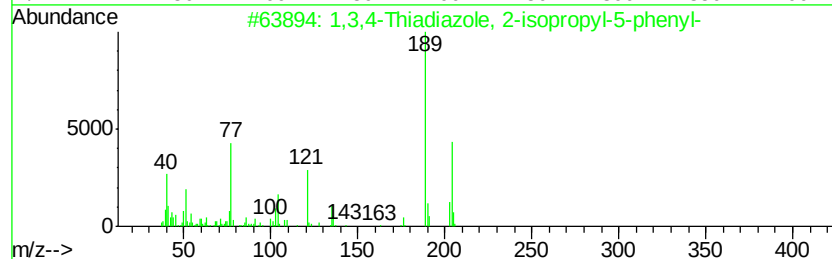
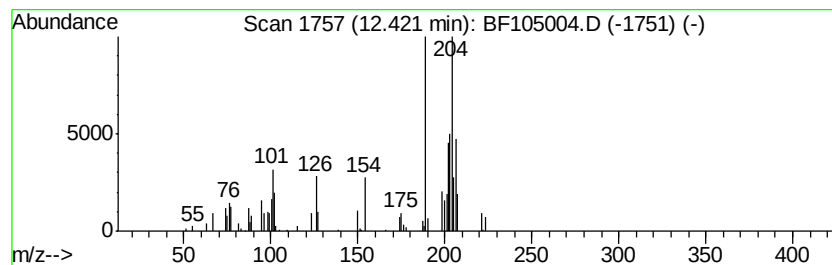
Instrument :
BNA_F
ClientSampleId :
T-14 1.0-1.5

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 unknown12.42 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.		
12.42	2.57 ng	145920	Phenanthrene-d10	11.32		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3,4-Thiadiazole, 2-isopropyl-5...	204	C11H12N2S	050834-84-9	38	
2	Levamisole	204	C11H12N2S	014769-73-4	38	
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	35	
4	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	25	
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	25	



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050118\
Data File : BF105004.D
Acq On : 2 May 2018 2:00
Operator : JU/SJ
Sample : J2453-15
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
T-14 1.0-1.5

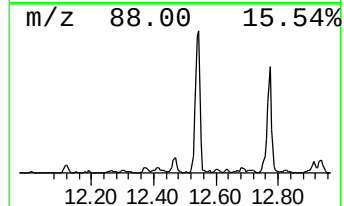
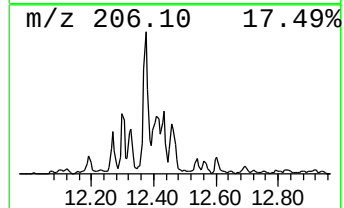
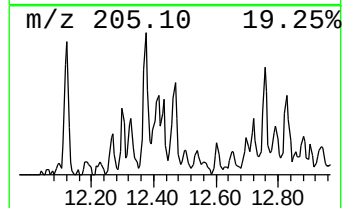
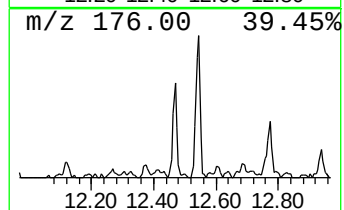
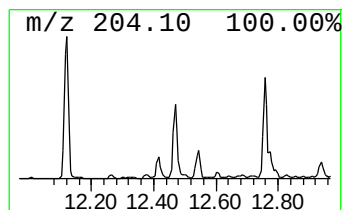
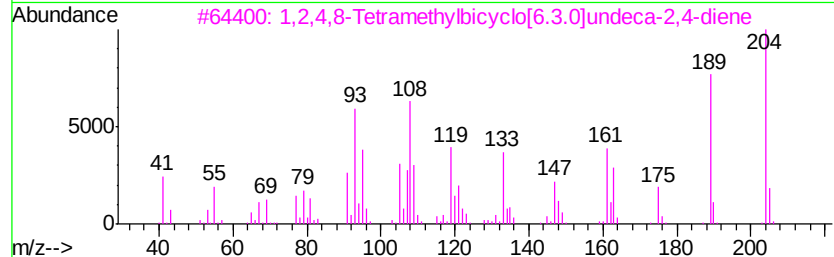
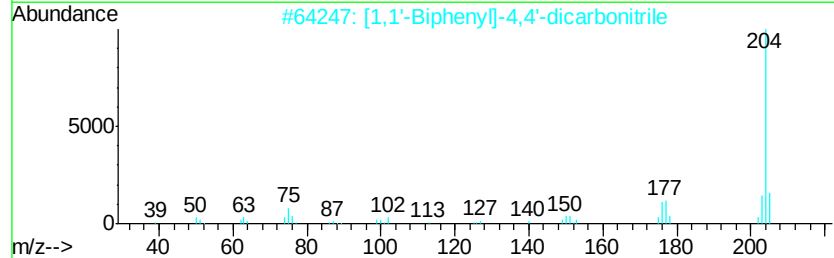
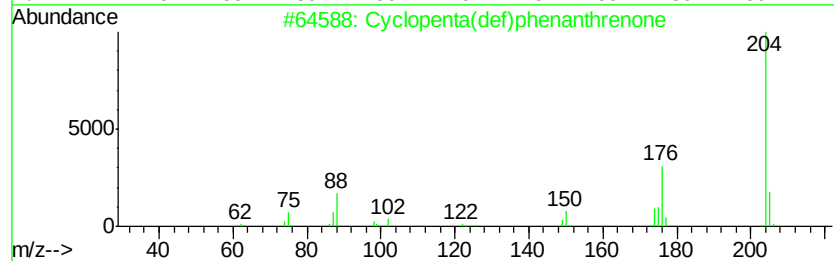
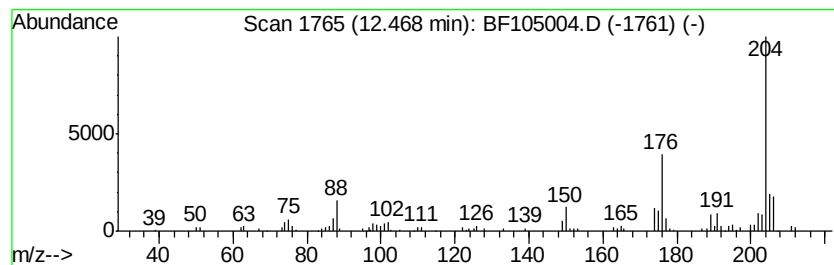
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Cyclopenta(def)phenanthrenone Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.47	2.59 ng	147354	Phenanthrene-d10	11.32

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	95
2		[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	50
3		1,2,4,8-Tetramethylbicyclo[6.3.0]undeca-2,4-diene	204	C15H24	137235-51-9	45
4		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	43
5		Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	43



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050118\
Data File : BF105004.D
Acq On : 2 May 2018 2:00
Operator : JU/SJ
Sample : J2453-15
Misc :
ALS Vial : 28 Sample Multiplier: 1

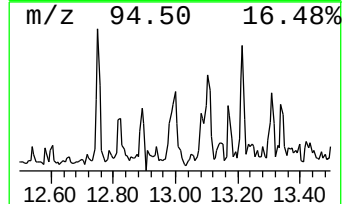
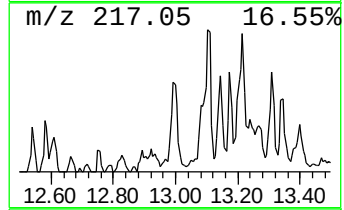
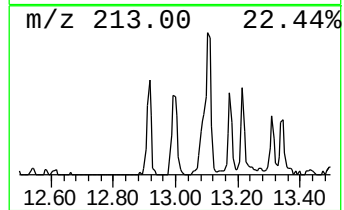
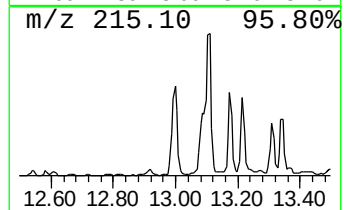
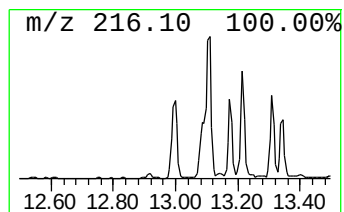
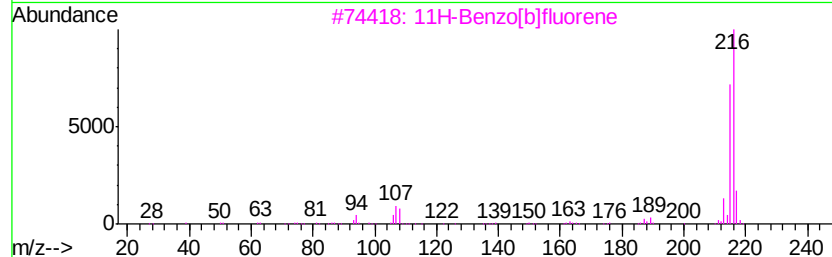
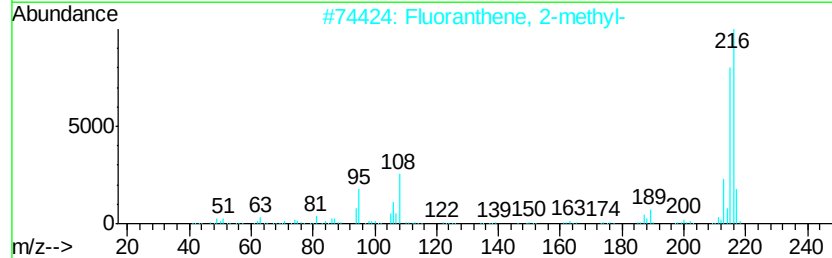
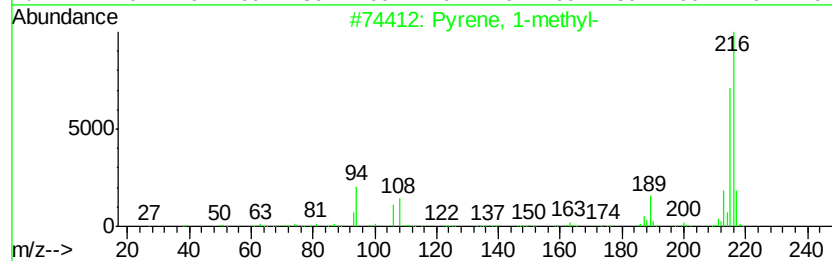
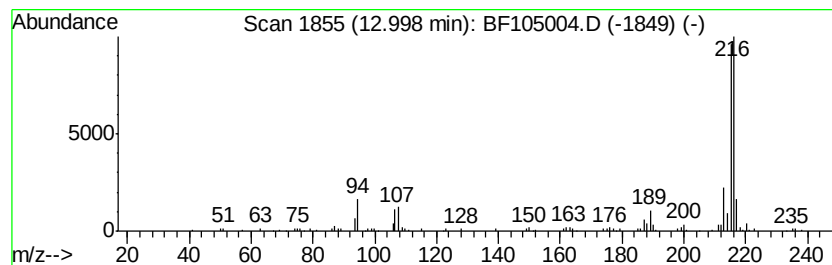
Instrument :
BNA_F
ClientSampleId :
T-14 1.0-1.5

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 Pyrene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.00	2.48 ng	228221	Chrysene-d12	14.03
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Pyrene, 1-methyl-	216 C17H12	002381-21-7 98
2		Fluoranthene, 2-methyl-	216 C17H12	033543-31-6 95
3		11H-Benzo[b]fluorene	216 C17H12	000243-17-4 90
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\BF050118\
Data File : BF105004.D
Acq On : 2 May 2018 2:00
Operator : JU/SJ
Sample : J2453-15
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
T-14 1.0-1.5

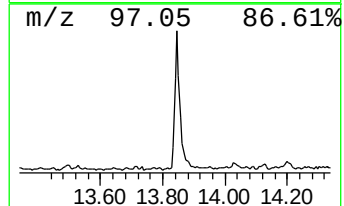
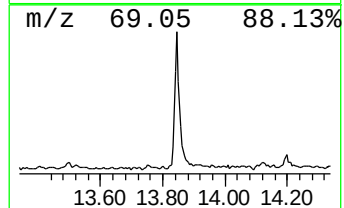
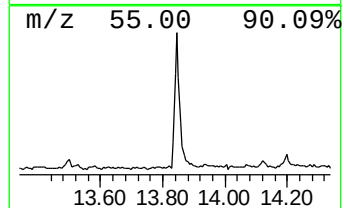
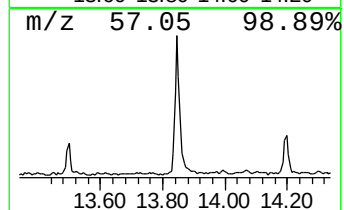
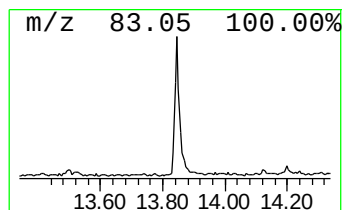
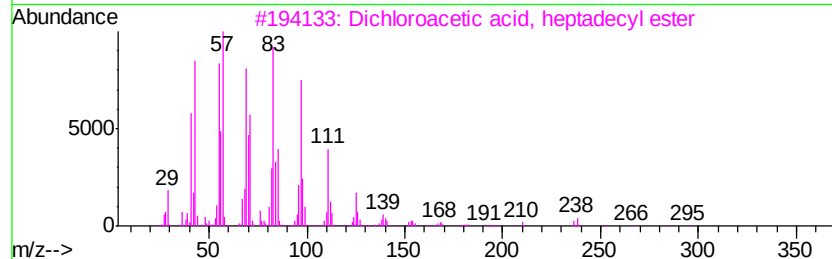
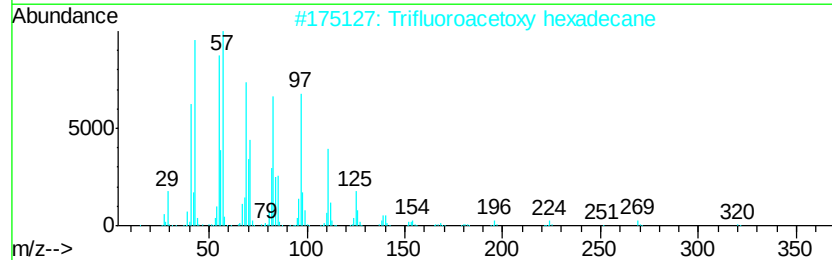
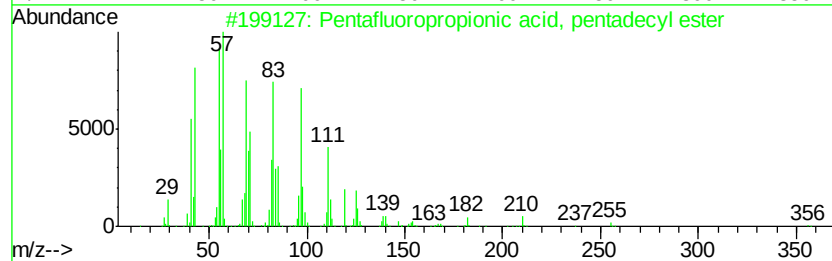
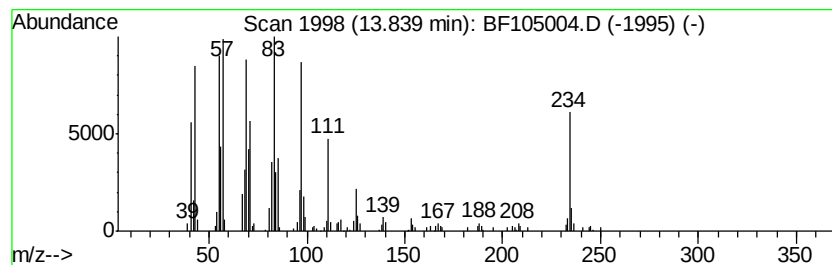
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Pentafluoropropionic acid, ... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.84	6.43 ng	591795	Chrysene-d12	14.03

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentafluoropropionic acid, penta...	374	C18H31F5O2	959092-08-1	90
2		Trifluoroacetoxy hexadecane	338	C18H33F3O2	006222-03-3	90
3		Dichloroacetic acid, heptadecyl ...	366	C19H36Cl2O2	1000282-98-2	90
4		Cyclopentadecane	210	C15H30	000295-48-7	89
5		Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	87



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050118\
Data File : BF105004.D
Acq On : 2 May 2018 2:00
Operator : JU/SJ
Sample : J2453-15
Misc :
ALS Vial : 28 Sample Multiplier: 1

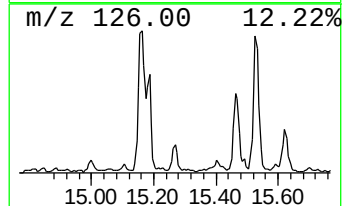
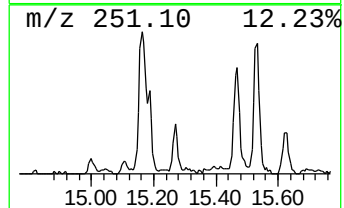
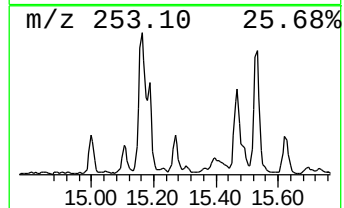
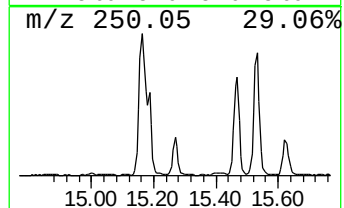
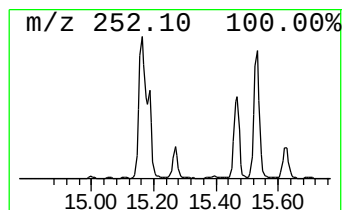
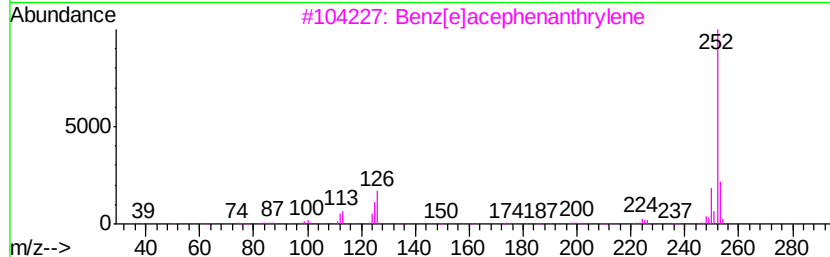
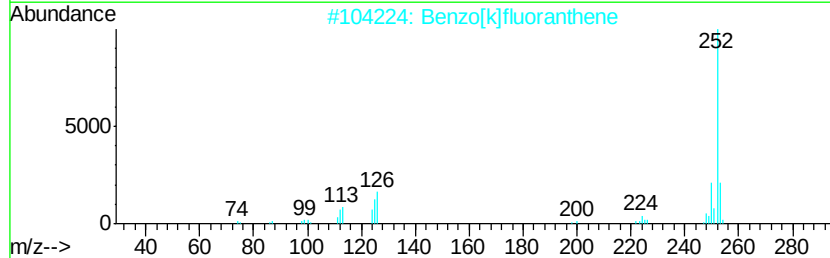
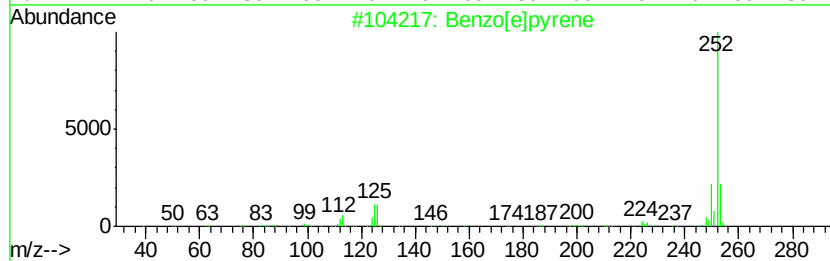
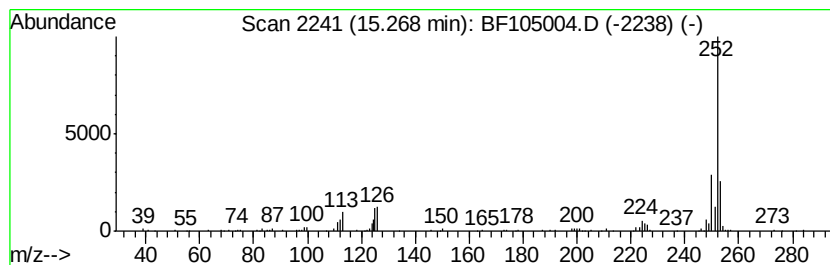
Instrument :
BNA_F
ClientSampleId :
T-14 1.0-1.5

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 Benzo[e]pyrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.27	3.19 ng	129574	Perylene-d12	15.59
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Benzo[e]pyrene	252 C20H12	000192-97-2	97
2	Benzo[k]fluoranthene	252 C20H12	000207-08-9	97
3	Benz[e]acephenanthrylene	252 C20H12	000205-99-2	93
4	Benzo[a]pyrene	252 C20H12	000050-32-8	93
5	Perylene	252 C20H12	000198-55-0	90



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050118\
Data File : BF105004.D
Acq On : 2 May 2018 2:00
Operator : JU/SJ
Sample : J2453-15
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
T-14 1.0-1.5

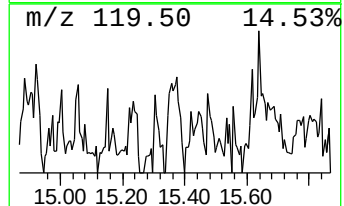
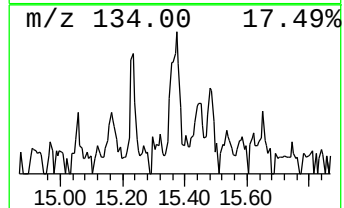
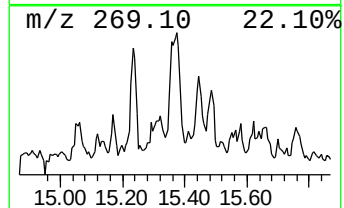
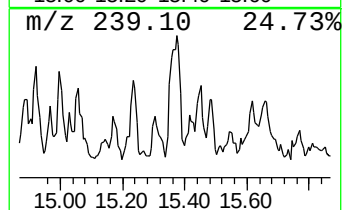
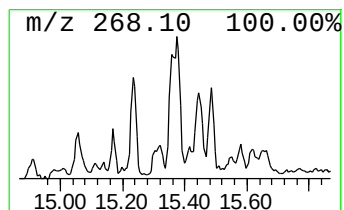
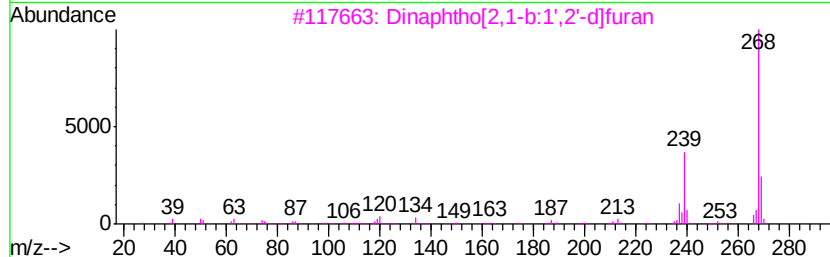
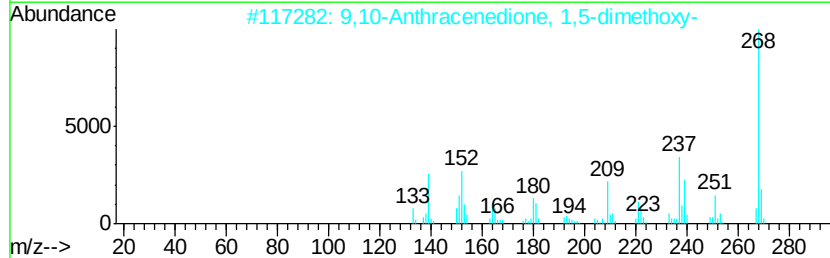
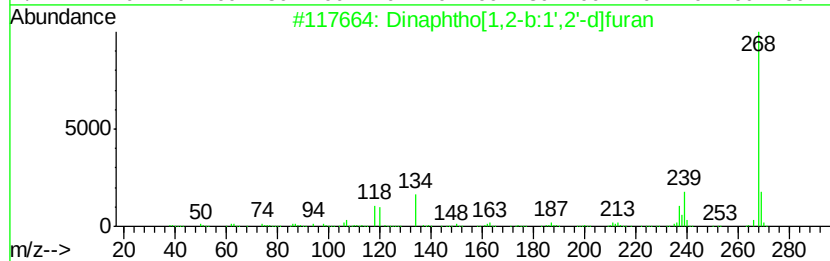
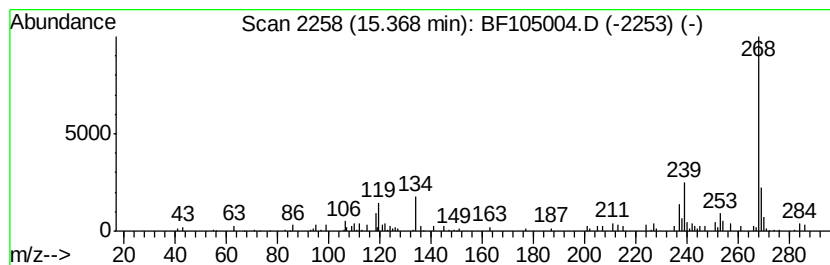
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.37	2.43 ng	98537	Perylene-d12	15.59

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	89
2		9,10-Anthracenedione, 1,5-dimeth...	268	C16H12O4	006448-90-4	72
3		Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	72
4		Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	64
5		4H-1-Benzopyran-4-one, 5-hydroxy...	268	C16H12O4	000520-28-5	59



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050118\
Data File : BF105004.D
Acq On : 2 May 2018 2:00
Operator : JU/SJ
Sample : J2453-15
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
T-14 1.0-1.5

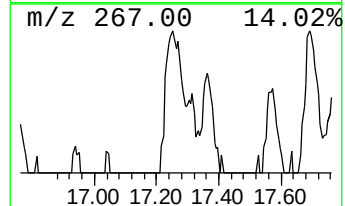
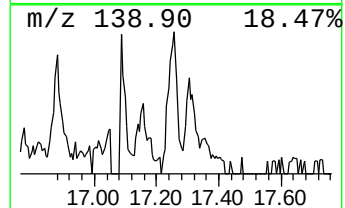
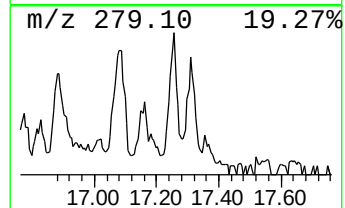
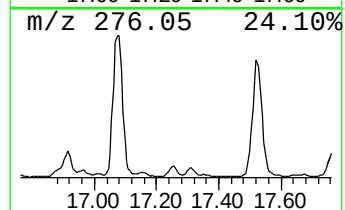
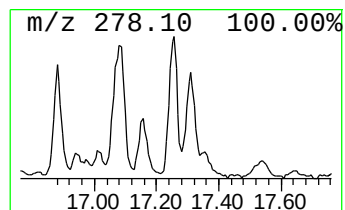
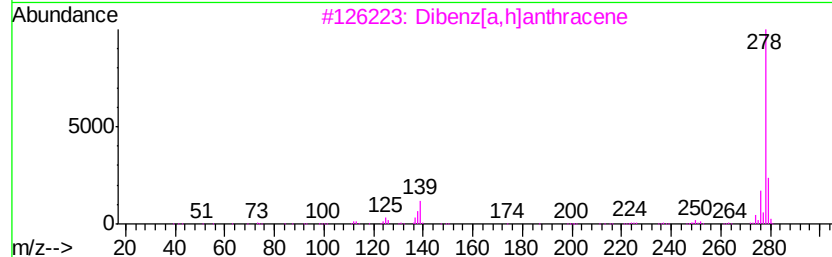
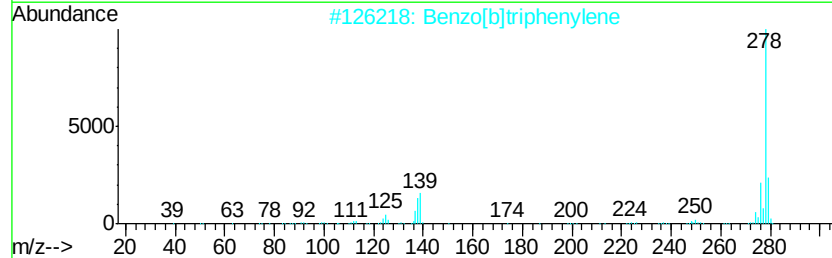
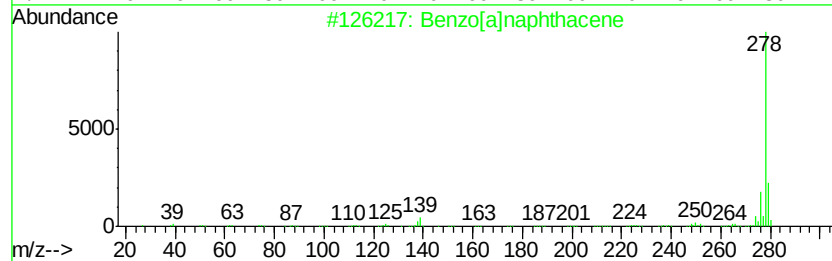
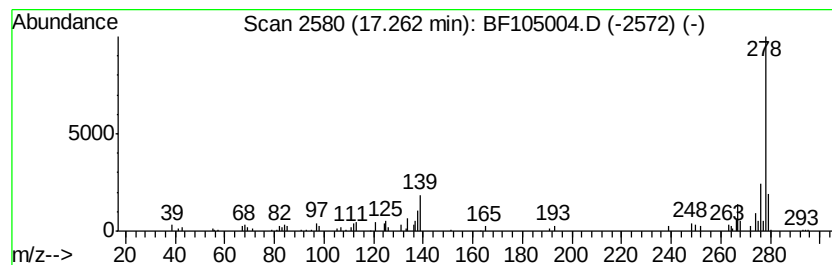
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Benzo[a]naphthacene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.26	2.96 ng	119969	Perylene-d12	15.59

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[a]naphthacene	278	C22H14	000226-88-0	90
2		Benzo[b]triphenylene	278	C22H14	000215-58-7	89
3		Dibenz[a,h]anthracene	278	C22H14	000053-70-3	89
4		Pentacene	278	C22H14	000135-48-8	86
5		Pentaphene	278	C22H14	000222-93-5	76



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050118\
 Data File : BF105004.D
 Acq On : 2 May 2018 2:00
 Operator : JU/SJ
 Sample : J2453-15
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 T-14 1.0-1.5

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...	5.00	2.5	ng	93508	1	6.79	734087	20.0
unknown6.56	6.56	61.7	ng	2265530	1	6.79	734087	20.0
Dibenzothiophene	11.22	2.1	ng	121695	4	11.32	1136520	20.0
Phenanthrene, 2-m...	11.82	4.4	ng	248362	4	11.32	1136520	20.0
1H-Cyclopropa[l]p...	11.90	2.5	ng	139143	4	11.32	1136520	20.0
4H-Cyclopenta[def...	11.94	7.1	ng	404550	4	11.32	1136520	20.0
Phenanthrene, 1-m...	11.96	2.5	ng	139025	4	11.32	1136520	20.0
5,16[1',2']:8,13[...	12.12	2.6	ng	146940	4	11.32	1136520	20.0
Phenanthrene, 2,5...	12.37	2.9	ng	164544	4	11.32	1136520	20.0
unknown12.42	12.42	2.6	ng	145920	4	11.32	1136520	20.0
Cyclopenta(def)ph...	12.47	2.6	ng	147354	4	11.32	1136520	20.0
Pyrene, 1-methyl-	13.00	2.5	ng	228221	5	14.03	1840650	20.0
Pentafluoropropio...	13.84	6.4	ng	591795	5	14.03	1840650	20.0
Benzo[e]pyrene	15.27	3.2	ng	129574	6	15.59	811247	20.0
Dinaphtho[1,2-b:1...	15.37	2.4	ng	98537	6	15.59	811247	20.0
Benzo[a]naphthacene	17.26	3.0	ng	119969	6	15.59	811247	20.0