

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122117\
 Data File : BF101608.D
 Acq On : 21 Dec 2017 15:50
 Operator : SJ/JU
 Sample : I6681-07 2X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-121917-D

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-BF121417.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	5.004	492	496	513	rBV	214224	301934	6.33%	0.414%
2	5.416	563	566	584	rBV	1192577	1588363	33.31%	2.176%
3	6.440	736	740	758	rBV	1161270	1602571	33.61%	2.195%
4	6.569	758	762	768	rVV	1661327	1493442	31.32%	2.046%
5	6.798	797	801	808	rBV	832398	796526	16.70%	1.091%
6	6.951	823	827	839	rBV	1272483	1165993	24.45%	1.597%
7	7.363	894	897	915	rBV	865849	938112	19.67%	1.285%
8	8.081	1015	1019	1020	rBV	1018874	903684	18.95%	1.238%
9	8.098	1020	1022	1029	rVV	1142877	1041441	21.84%	1.427%
10	8.792	1136	1140	1146	rBV	1034487	869685	18.24%	1.191%
11	8.892	1152	1157	1163	rBV	753271	726663	15.24%	0.995%
12	9.151	1197	1201	1209	rBV	1635782	1370860	28.75%	1.878%
13	9.251	1216	1218	1222	rVB	145039	136673	2.87%	0.187%
14	9.345	1232	1234	1240	rVB	150412	178633	3.75%	0.245%
15	9.422	1242	1247	1251	rBV	330293	455637	9.55%	0.624%
16	9.492	1255	1259	1261	rVV	547212	558779	11.72%	0.765%
17	9.516	1261	1263	1266	rVV	339425	324281	6.80%	0.444%
18	9.545	1266	1268	1275	rVB2	122366	137364	2.88%	0.188%
19	9.610	1275	1279	1287	rVB	266014	320431	6.72%	0.439%
20	9.692	1290	1293	1298	rBV2	300219	298240	6.25%	0.409%
21	9.833	1314	1317	1320	rVV	976250	857094	17.97%	1.174%
22	9.863	1320	1322	1326	rVV	761196	719854	15.10%	0.986%
23	9.933	1330	1334	1339	rBV3	108563	158587	3.33%	0.217%
24	10.039	1348	1352	1355	rVV2	358122	402377	8.44%	0.551%
25	10.075	1355	1358	1361	rVB	227805	189591	3.98%	0.260%
26	10.145	1366	1370	1373	rBV	173697	176271	3.70%	0.241%
27	10.239	1381	1386	1388	rBV2	121377	192254	4.03%	0.263%
28	10.380	1407	1410	1415	rVV	1009391	976842	20.48%	1.338%
29	10.445	1419	1421	1423	rVV	224891	210964	4.42%	0.289%
30	10.469	1423	1425	1427	rVV	199481	172324	3.61%	0.236%
31	10.539	1435	1437	1440	rVB	189351	162700	3.41%	0.223%
32	10.628	1447	1452	1457	rBV2	762180	806228	16.91%	1.104%
33	10.933	1497	1504	1506	rBV2	347600	454721	9.54%	0.623%
34	10.957	1506	1508	1511	rVV	236785	222449	4.66%	0.305%

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122117\
 Data File : BF101608.D
 Acq On : 21 Dec 2017 15:50
 Operator : SJ/JU
 Sample : I6681-07 2X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-121917-D

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-BF121417.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.010	1514	1517	1520	rVB	209113	203855	4.27%	0.279%
36	11.080	1527	1529	1534	rVV2	123644	132973	2.79%	0.182%
37	11.169	1542	1544	1548	rVV3	138997	141973	2.98%	0.194%
38	11.222	1550	1553	1563	rVB	440784	401056	8.41%	0.549%
39	11.327	1567	1571	1572	rBV	800346	763912	16.02%	1.046%
40	11.351	1572	1575	1579	rVV	3114722	3260994	68.38%	4.467%
41	11.404	1580	1584	1587	rVV	1494158	1260572	26.43%	1.727%
42	11.439	1587	1590	1595	rVV	85254	138004	2.89%	0.189%
43	11.563	1607	1611	1615	rVV	257334	272082	5.71%	0.373%
44	11.657	1622	1627	1632	rVB	307329	352193	7.39%	0.482%
45	11.739	1637	1641	1645	rVB	190515	229853	4.82%	0.315%
46	11.827	1652	1656	1658	rBV	1185620	1055491	22.13%	1.446%
47	11.857	1658	1661	1664	rVB	1434412	1164630	24.42%	1.595%
48	11.904	1664	1669	1672	rBV	582606	494407	10.37%	0.677%
49	11.939	1672	1675	1678	rVV	1492331	1791207	37.56%	2.454%
50	11.963	1678	1679	1684	rVB	942102	530282	11.12%	0.726%
51	12.116	1702	1705	1708	rBV	515517	470894	9.87%	0.645%
52	12.163	1710	1713	1716	rVB3	215907	244808	5.13%	0.335%
53	12.269	1726	1731	1734	rBV2	306644	338786	7.10%	0.464%
54	12.304	1734	1737	1739	rBV	257987	233637	4.90%	0.320%
55	12.327	1739	1741	1743	rVB	232179	169738	3.56%	0.233%
56	12.374	1746	1749	1752	rVV	706830	731856	15.35%	1.003%
57	12.416	1752	1756	1758	rVV2	442717	610211	12.80%	0.836%
58	12.480	1761	1767	1773	rVB3	426259	756998	15.87%	1.037%
59	12.551	1774	1779	1782	rBV	3334082	3539303	74.22%	4.848%
60	12.604	1786	1788	1792	rVB2	211273	190721	4.00%	0.261%
61	12.692	1800	1803	1806	rBV2	332626	340495	7.14%	0.466%
62	12.780	1811	1818	1822	rBV	3429724	4768751	100.00%	6.532%
63	12.821	1822	1825	1829	rVB	313061	313057	6.56%	0.429%
64	12.904	1829	1839	1842	rBV2	1305079	1453871	30.49%	1.992%
65	12.927	1842	1843	1849	rVB2	144926	192181	4.03%	0.263%
66	12.992	1849	1854	1859	rBV2	558806	938069	19.67%	1.285%
67	13.104	1870	1873	1878	rVB	1149075	1120222	23.49%	1.534%
68	13.169	1878	1884	1887	rBV	948797	956395	20.06%	1.310%
69	13.210	1887	1891	1897	rVV2	1029029	1277087	26.78%	1.749%
70	13.257	1897	1899	1903	rVV3	140119	196937	4.13%	0.270%
71	13.298	1903	1906	1909	rVV	748275	702251	14.73%	0.962%

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122117\
Data File : BF101608.D
Acq On : 21 Dec 2017 15:50
Operator : SJ/JU
Sample : I6681-07 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-01-121917-D

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

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

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.333	1909	1912	1920	rVB	708469	802374	16.83%	1.099%
73	13.504	1938	1941	1943	rBV	190727	200189	4.20%	0.274%
74	13.521	1943	1944	1947	rVV	183578	161721	3.39%	0.222%
75	13.586	1951	1955	1957	rBV2	206755	296710	6.22%	0.406%
76	13.621	1958	1961	1964	rVV2	345385	371228	7.78%	0.509%
77	13.668	1967	1969	1973	rVB	150700	149225	3.13%	0.204%
78	13.727	1973	1979	1981	rBV2	590915	847139	17.76%	1.160%
79	13.745	1981	1982	1985	rVV	563024	378652	7.94%	0.519%
80	13.780	1985	1988	1994	rVV3	401795	705600	14.80%	0.967%
81	13.833	1994	1997	2002	rVB2	337056	421287	8.83%	0.577%
82	13.974	2016	2021	2024	rBV2	2091244	3369971	70.67%	4.616%
83	14.010	2024	2027	2030	rVV	2013121	1980589	41.53%	2.713%
84	14.080	2037	2039	2042	rBV	445340	387830	8.13%	0.531%
85	14.139	2046	2049	2053	rBV2	268069	333589	7.00%	0.457%
86	14.321	2078	2080	2082	rBV	250135	228695	4.80%	0.313%
87	14.363	2082	2087	2090	rVV	783010	898219	18.84%	1.230%
88	14.398	2090	2093	2096	rVB	408308	325504	6.83%	0.446%
89	14.439	2097	2100	2102	rBV3	193030	197581	4.14%	0.271%
90	14.463	2102	2104	2106	rVB3	246715	199490	4.18%	0.273%
91	14.492	2106	2109	2111	rBV	386659	392317	8.23%	0.537%
92	14.863	2169	2172	2174	rVB2	166608	161643	3.39%	0.221%
93	15.027	2195	2200	2206	rBV	1152946	2365648	49.61%	3.241%
94	15.127	2214	2217	2221	rVB	270860	281434	5.90%	0.386%
95	15.321	2246	2250	2257	rVB	774827	1039845	21.81%	1.424%
96	15.392	2257	2262	2268	rBV	1166194	1528547	32.05%	2.094%
97	15.445	2268	2271	2274	rVV	441672	549695	11.53%	0.753%
98	15.480	2274	2277	2282	rVB3	313860	427690	8.97%	0.586%
99	16.927	2519	2523	2529	rVB	391903	693765	14.55%	0.950%
100	17.380	2595	2600	2607	rVB	334224	654934	13.73%	0.897%

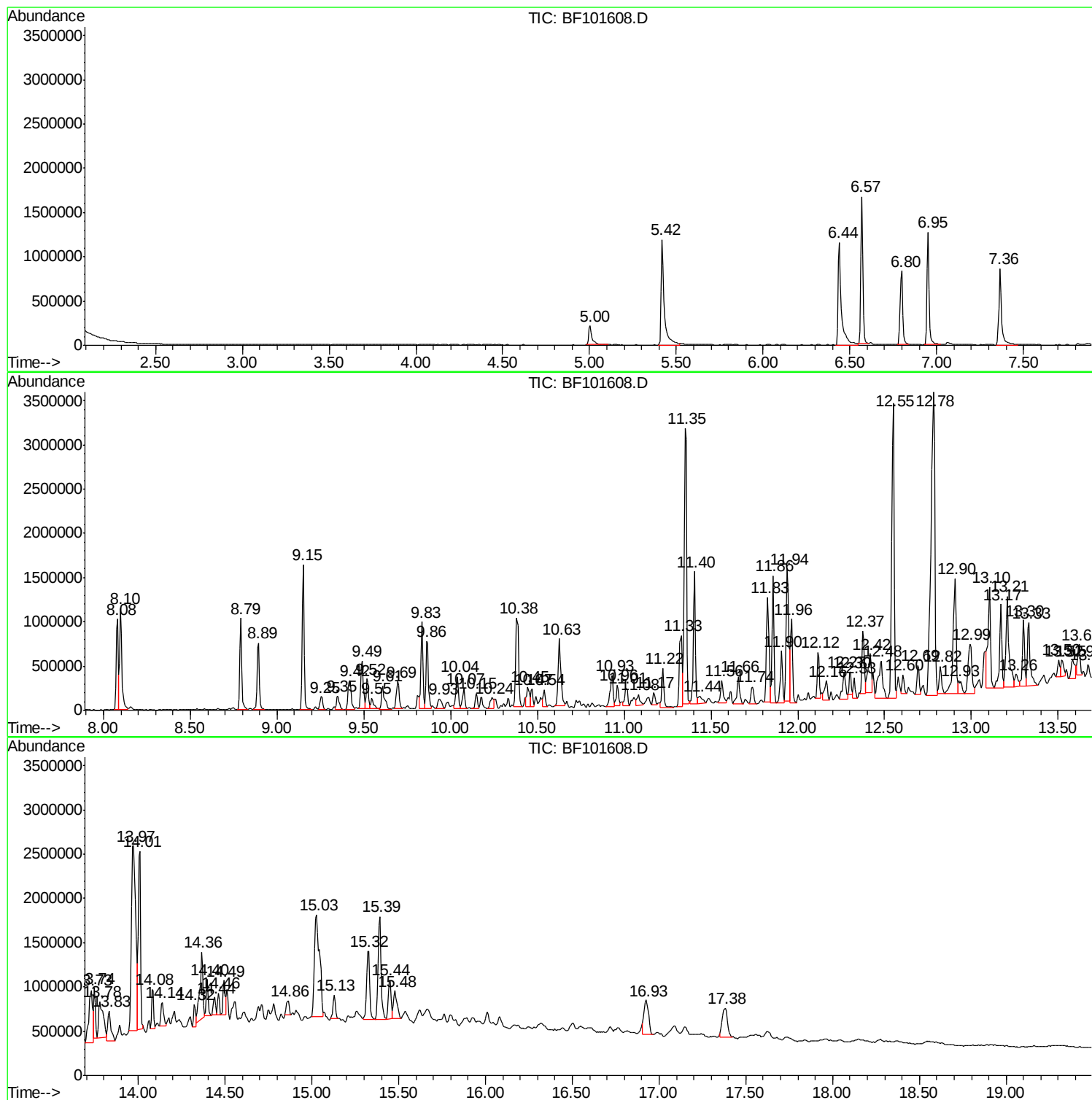
Sum of corrected areas: 73002431

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122117\
Data File : BF101608.D
Acq On : 21 Dec 2017 15:50
Operator : SJ/JU
Sample : I6681-07 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-01-121917-D

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.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\BF122117\
Data File : BF101608.D
Acq On : 21 Dec 2017 15:50
Operator : SJ/JU
Sample : I6681-07 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-01-121917-D

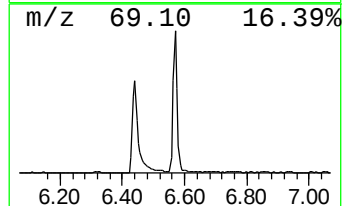
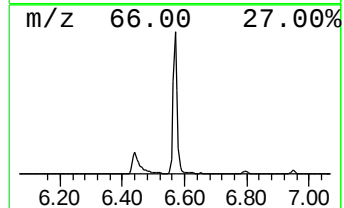
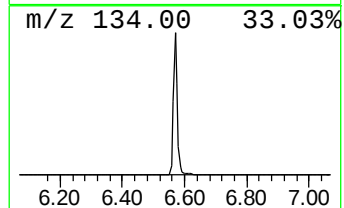
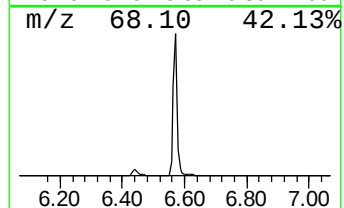
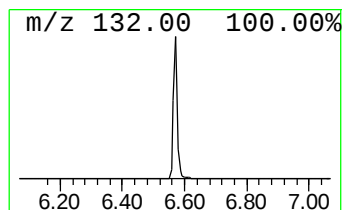
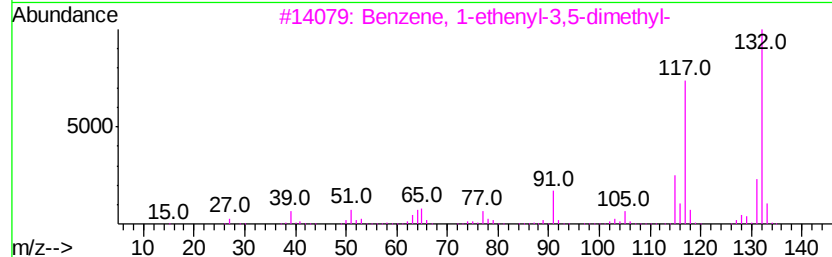
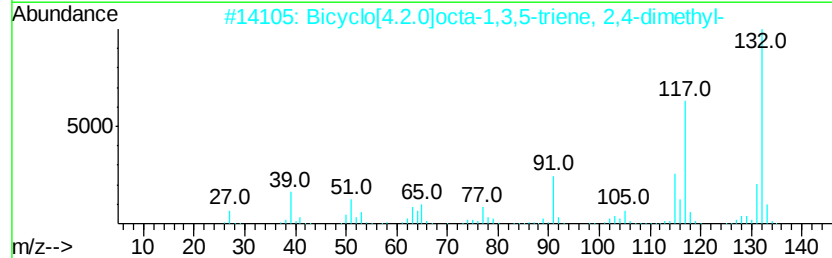
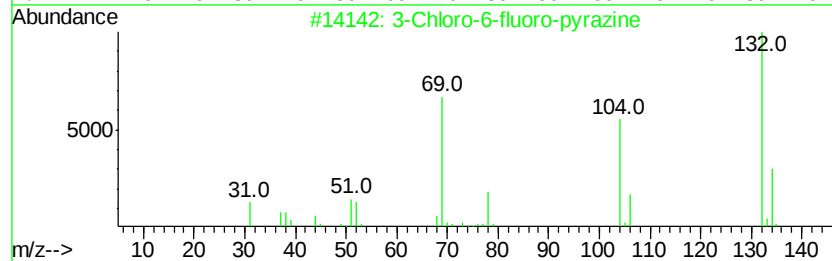
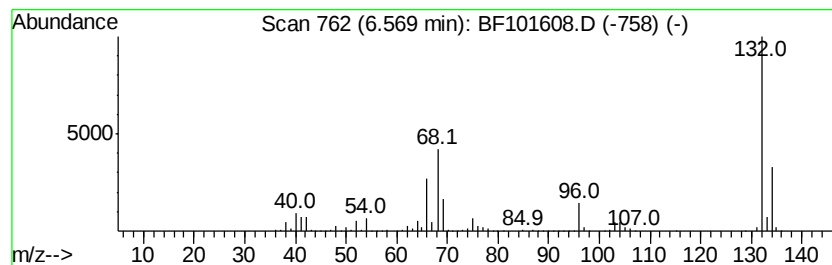
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown6.57 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.57	37.50 ng	1493440	1,4-Dichlorobenzene-d4	6.80

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2		Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
3		Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	9
4		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9
5		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	9



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122117\
Data File : BF101608.D
Acq On : 21 Dec 2017 15:50
Operator : SJ/JU
Sample : I6681-07 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

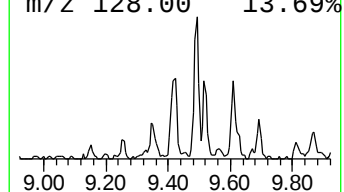
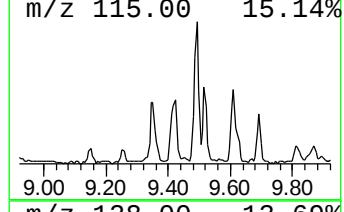
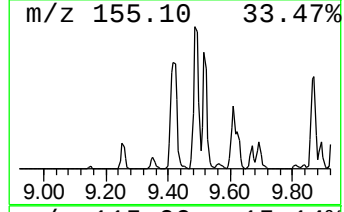
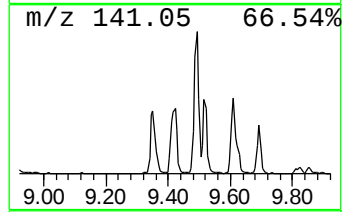
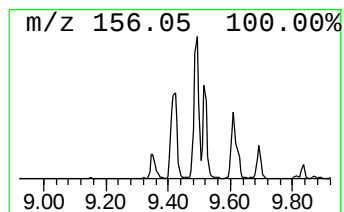
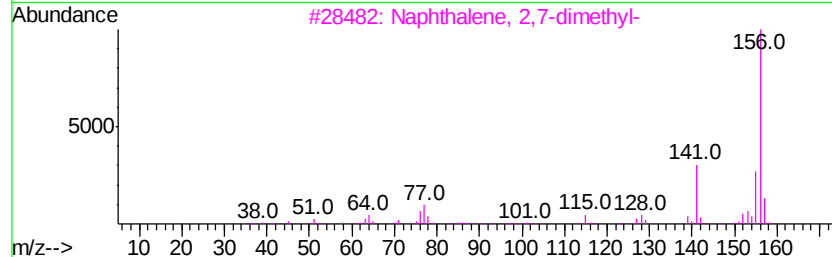
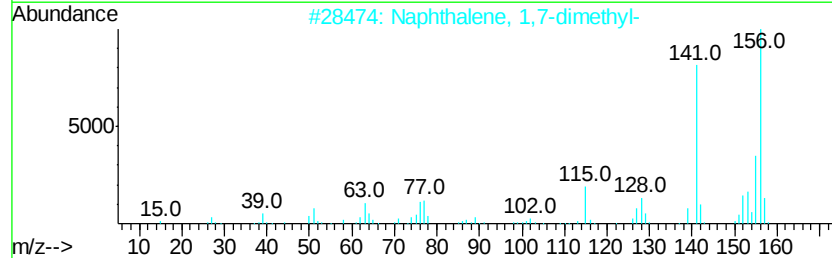
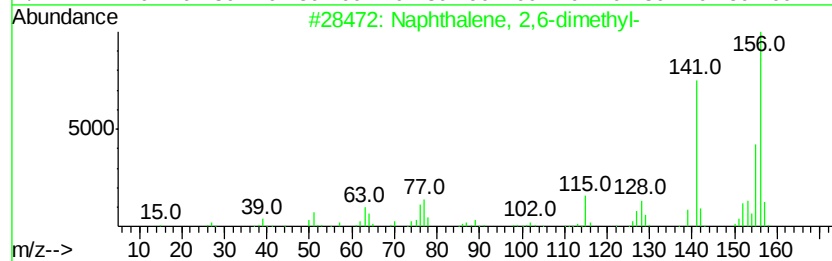
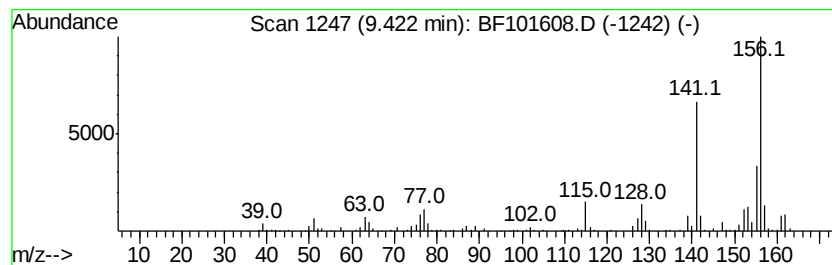
Instrument :
BNA_F
ClientSampleID :
PL-01-121917-D

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Naphthalene, 2,6-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD		R.T.
9.42	10.63 ng	455637	Acenaphthene-d10		9.83
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	98
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96



Data Path : Z:\HPCHEM1\BNA F\DATA\BF122117\
Data File : BF101608.D
Acq On : 21 Dec 2017 15:50
Operator : SJ/JU
Sample : I6681-07 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-01-121917-D

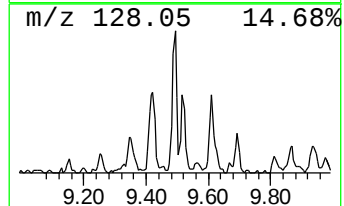
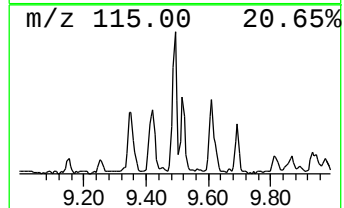
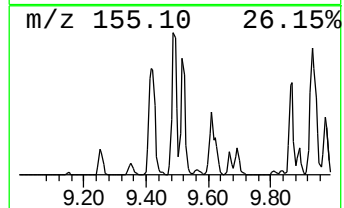
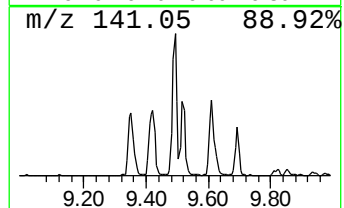
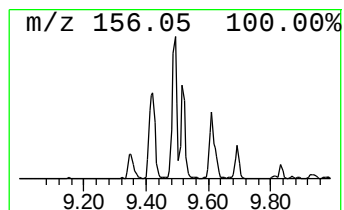
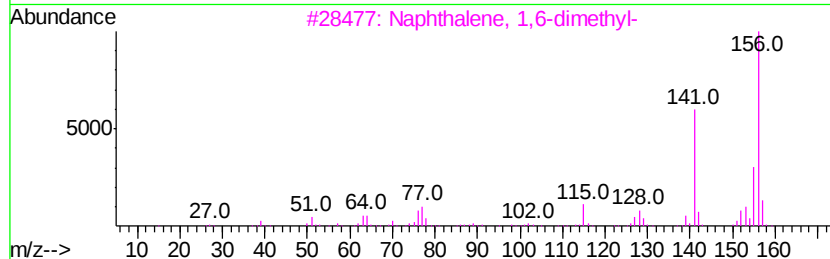
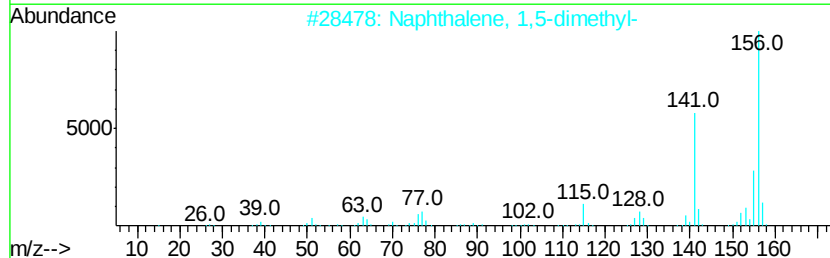
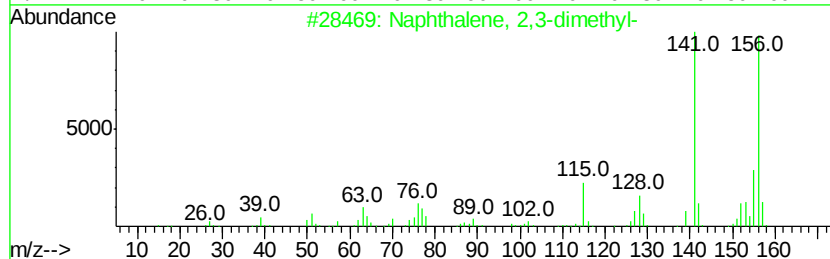
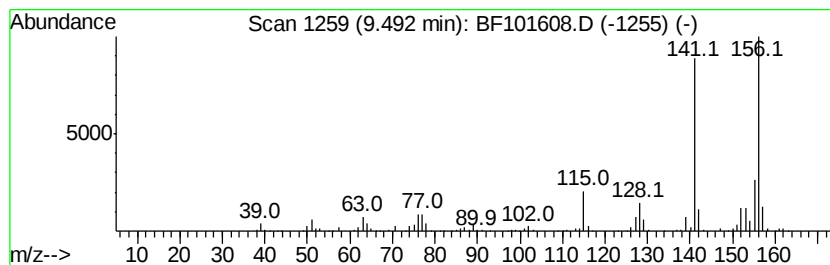
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Naphthalene, 2,3-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.49	13.04 ng	558779	Acenaphthene-d10	9.83

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2		Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
3		Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
4		Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
5		Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122117\
Data File : BF101608.D
Acq On : 21 Dec 2017 15:50
Operator : SJ/JU
Sample : I6681-07 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-01-121917-D

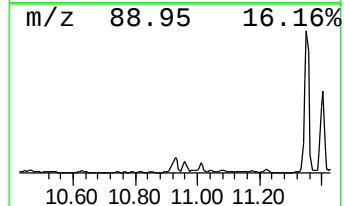
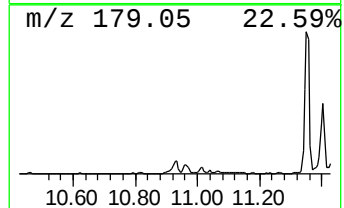
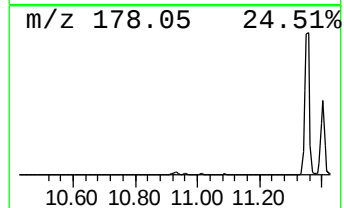
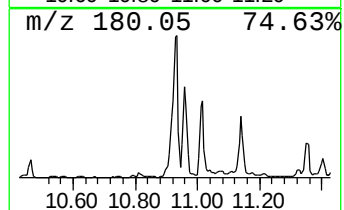
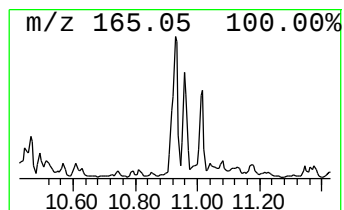
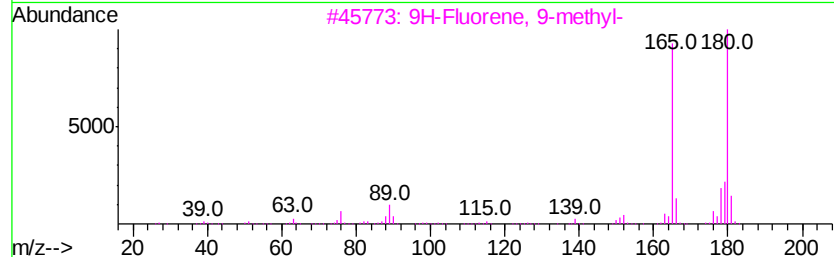
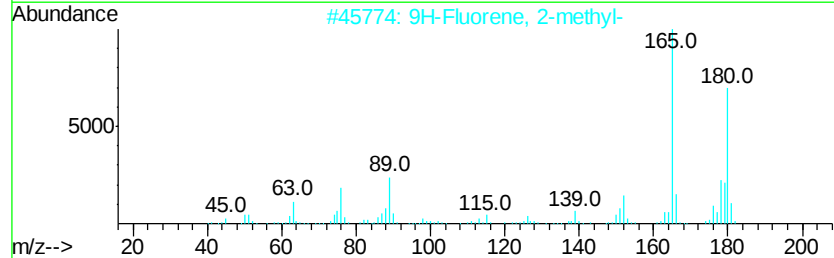
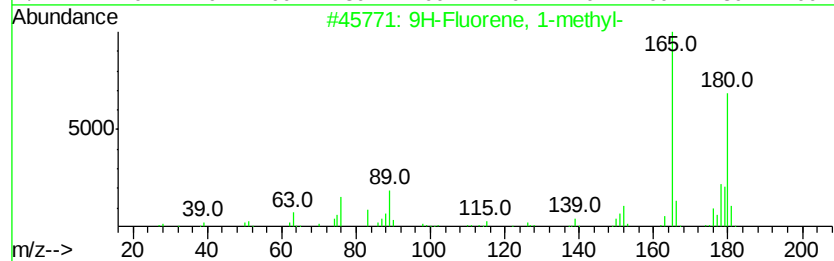
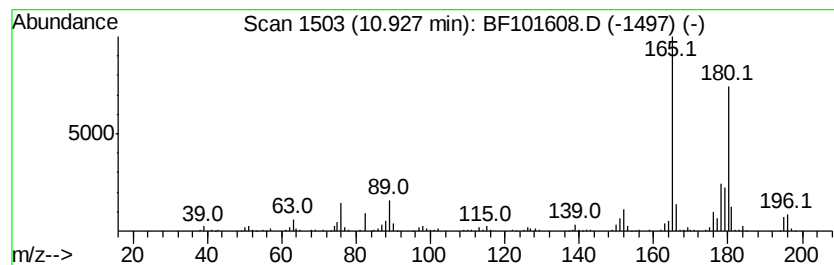
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 9H-Fluorene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.93	11.91 ng	454721	Phenanthrene-d10	11.33

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	97
2		9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	97
3		9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	93
4		9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	60
5		4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	58



Data Path : Z:\HPCHEM1\BNA F\DATA\BF122117\
Data File : BF101608.D
Acq On : 21 Dec 2017 15:50
Operator : SJ/JU
Sample : I6681-07 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

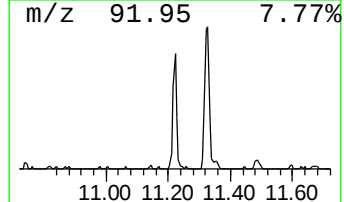
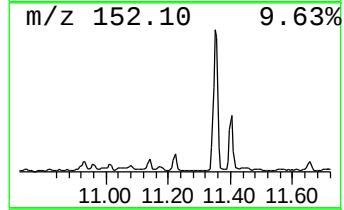
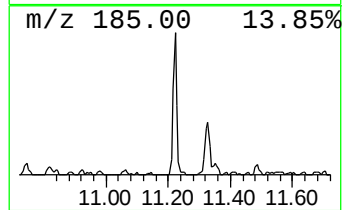
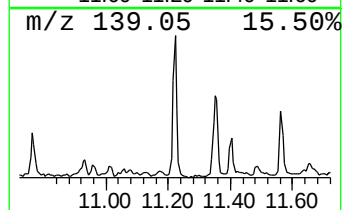
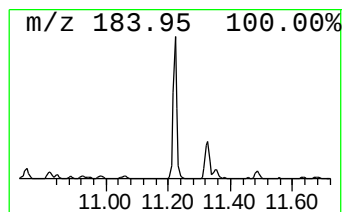
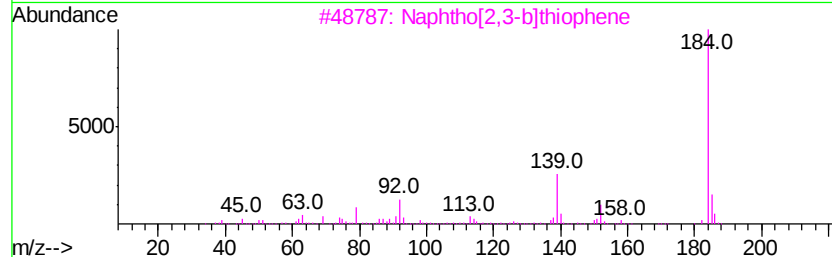
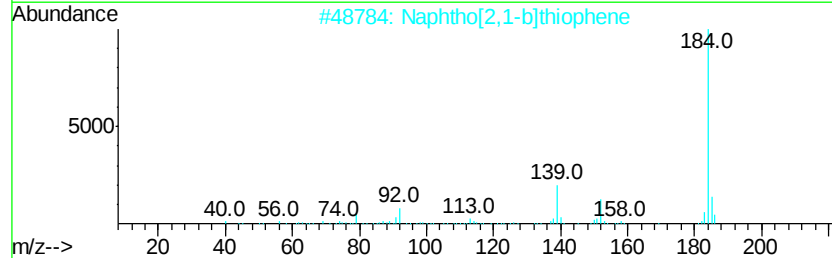
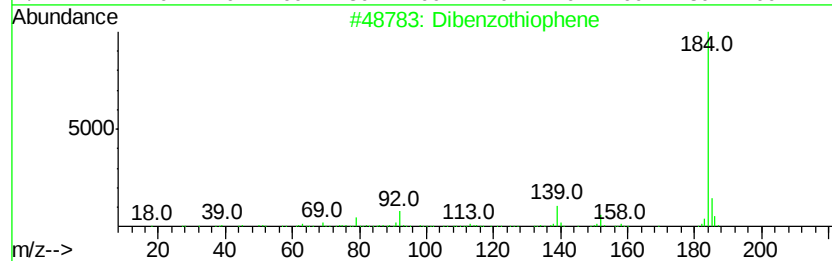
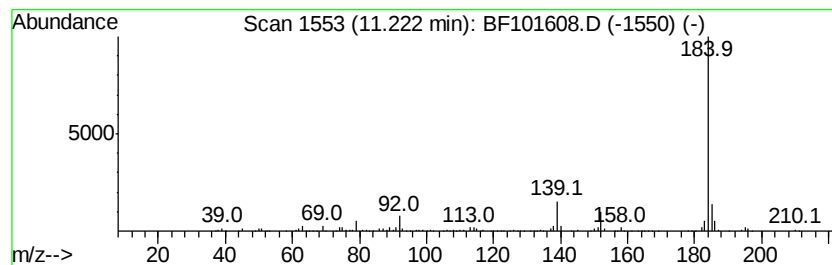
Instrument :
BNA_F
ClientSampleId :
PL-01-121917-D

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Dibenzothiophene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.		
11.22	10.50 ng	401056	Phenanthrene-d10	11.33		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Dibenzothiophene	184	C12H8S	000132-65-0	97
2		Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
3		Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	94
4		Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	94
5		Naphthalene, 2-ethenyl-6-methoxy-	184	C13H12O	063444-51-9	56



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122117\
Data File : BF101608.D
Acq On : 21 Dec 2017 15:50
Operator : SJ/JU
Sample : I6681-07 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-01-121917-D

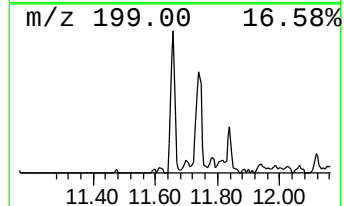
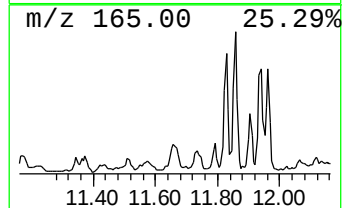
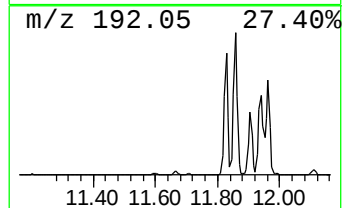
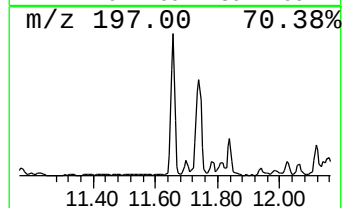
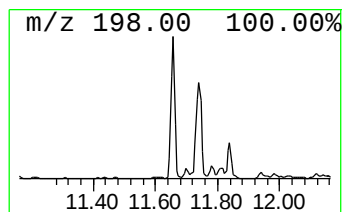
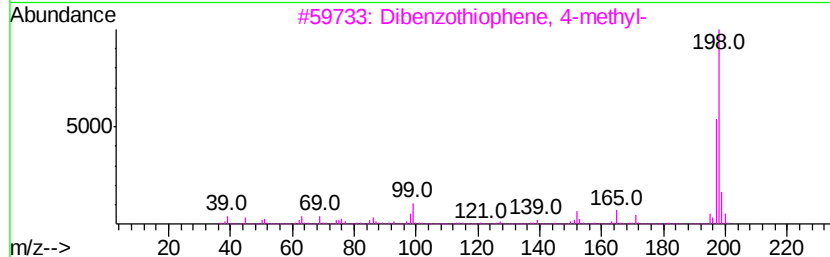
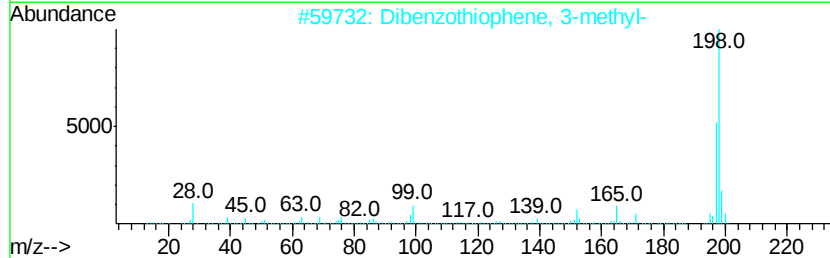
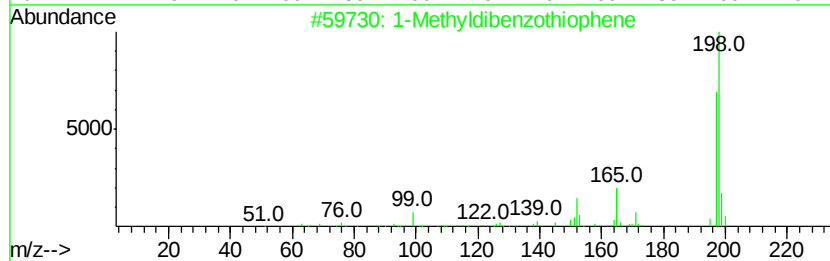
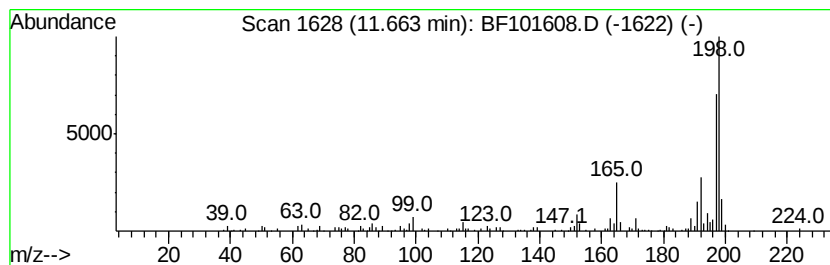
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 1-Methyldibenzothiophene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.66	9.22 ng	352193	Phenanthrene-d10	11.33

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	97
2		Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	96
3		Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	93
4		Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	83
5		Benzene, 1,1'-(1-fluoro-1,2-ethe...	198	C14H11F	000671-19-2	72



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122117\
Data File : BF101608.D
Acq On : 21 Dec 2017 15:50
Operator : SJ/JU
Sample : I6681-07 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-01-121917-D

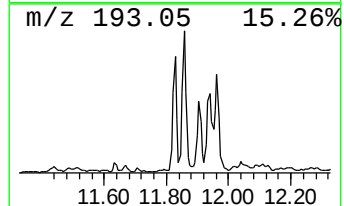
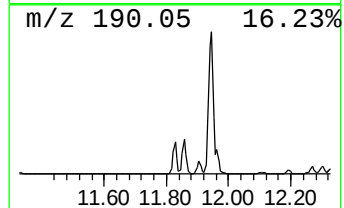
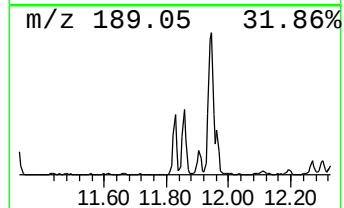
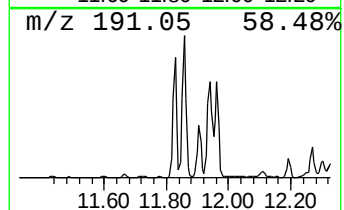
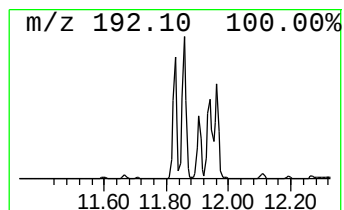
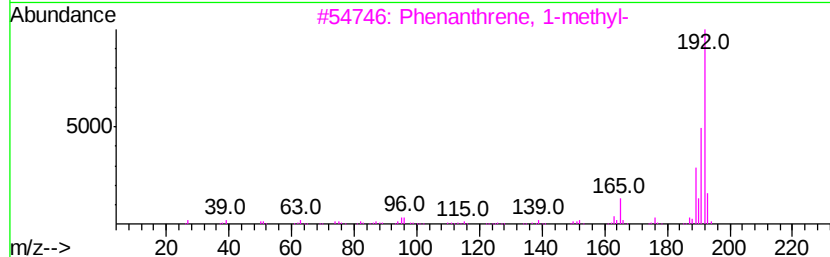
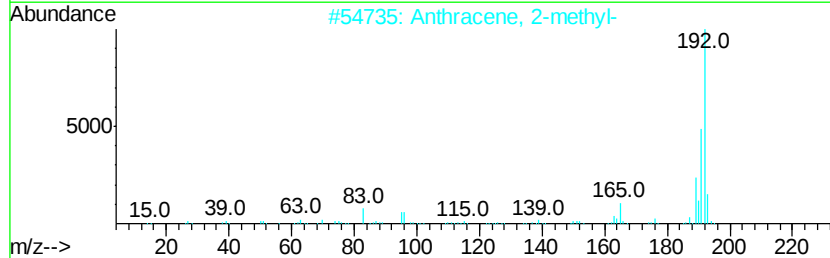
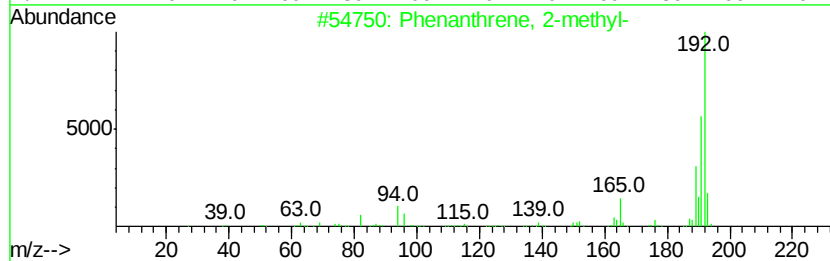
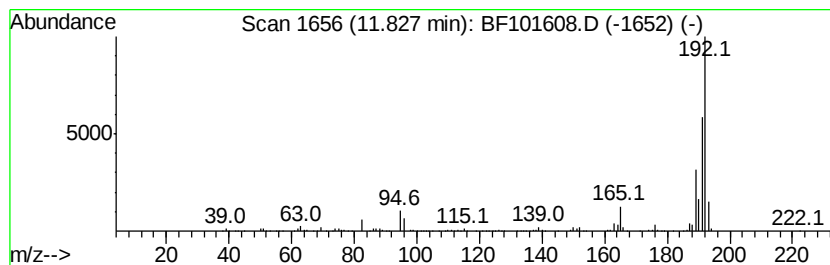
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.83	27.63 ng	1055490	Phenanthrene-d10	11.33

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	96
4		1H-Cyclopropa[1,1]phenanthrene, 1a,...	192	C15H12	000949-41-7	95
5		1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	93



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122117\
Data File : BF101608.D
Acq On : 21 Dec 2017 15:50
Operator : SJ/JU
Sample : I6681-07 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-01-121917-D

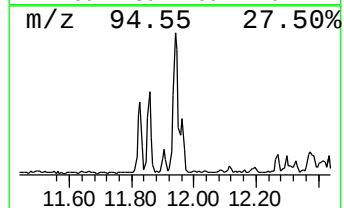
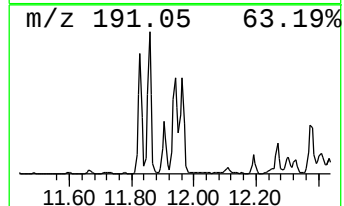
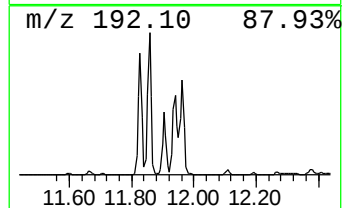
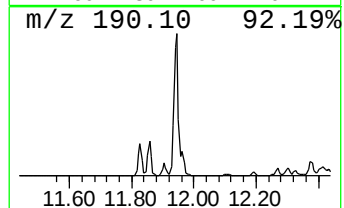
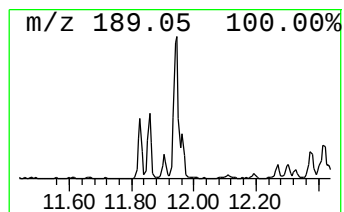
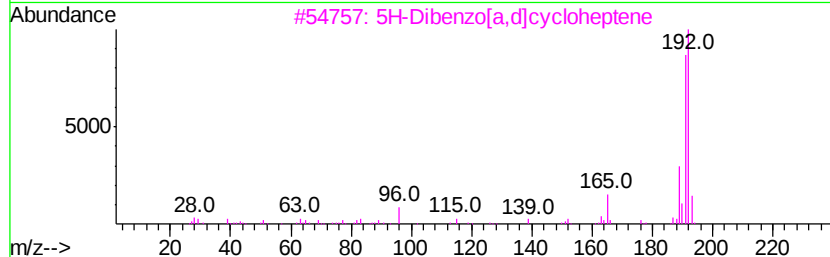
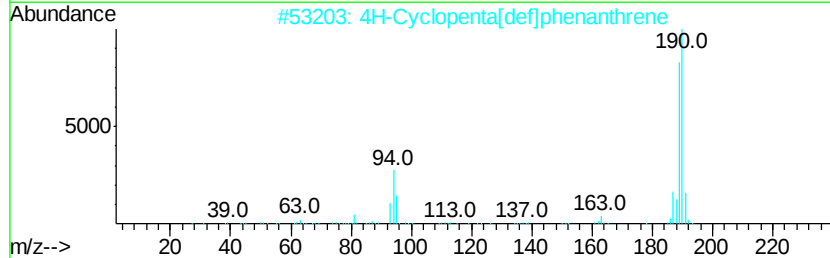
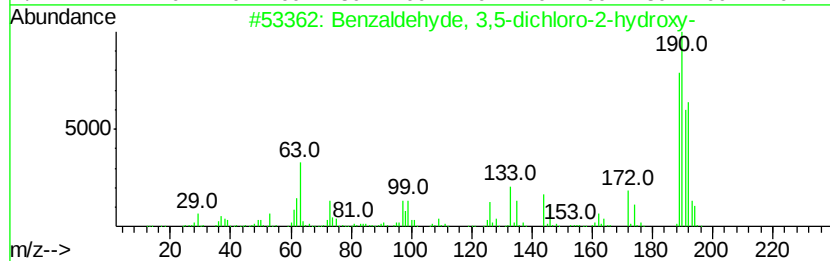
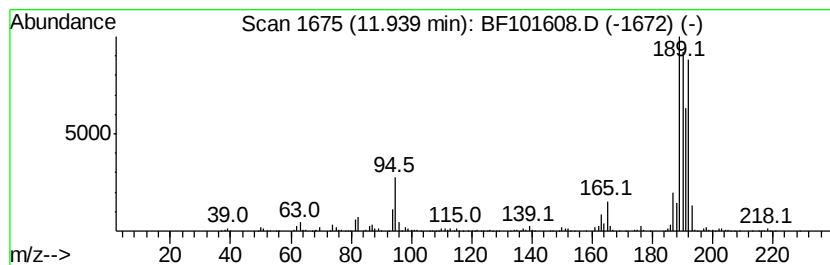
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Benzaldehyde, 3,5-dichloro-... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.94	46.90 ng	1791210	Phenanthrene-d10	11.33

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	64
2		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	53
3		5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	42
4		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	38
5		Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	38



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122117\
Data File : BF101608.D
Acq On : 21 Dec 2017 15:50
Operator : SJ/JU
Sample : I6681-07 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-01-121917-D

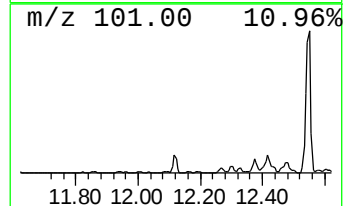
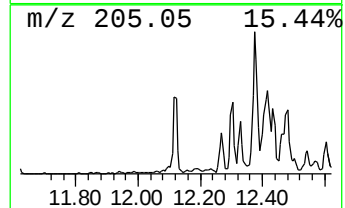
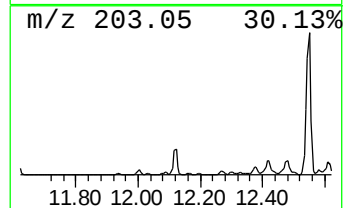
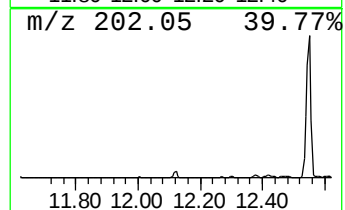
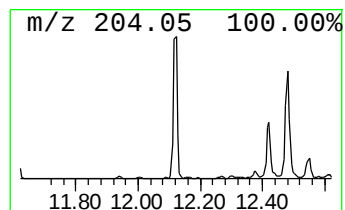
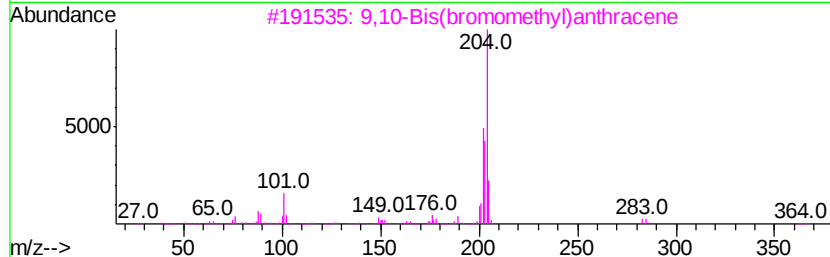
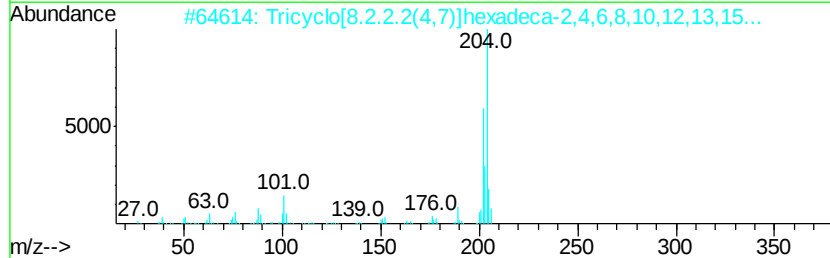
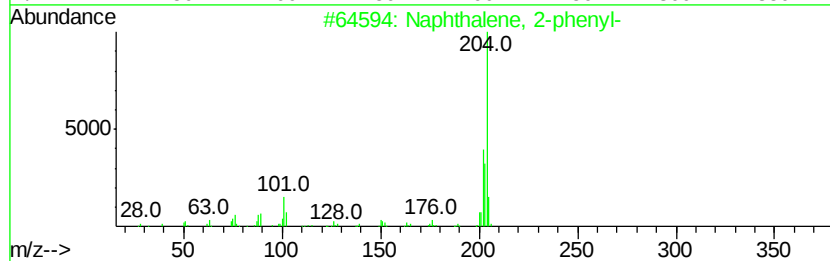
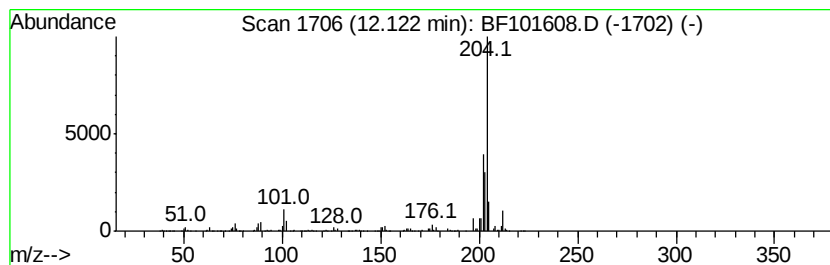
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Naphthalene, 2-phenyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.12	12.33 ng	470894	Phenanthrene-d10	11.33

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	96
2		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	86
3		9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	72
4		Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	70
5		9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	46



Data Path : Z:\HPCHEM1\BNA F\DATA\BF122117\
Data File : BF101608.D
Acq On : 21 Dec 2017 15:50
Operator : SJ/JU
Sample : I6681-07 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

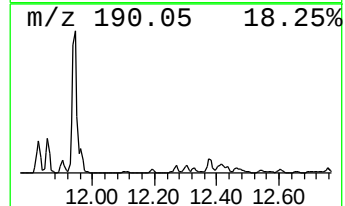
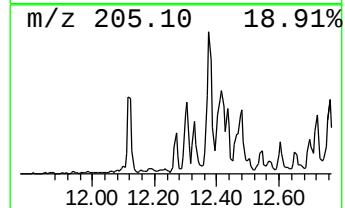
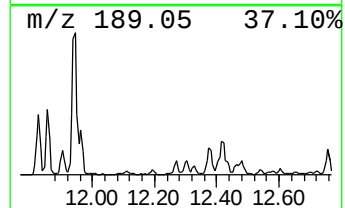
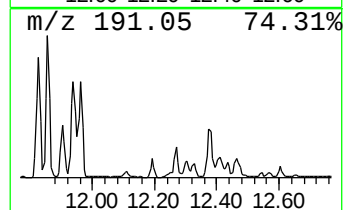
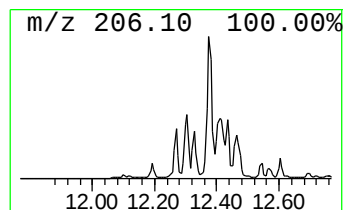
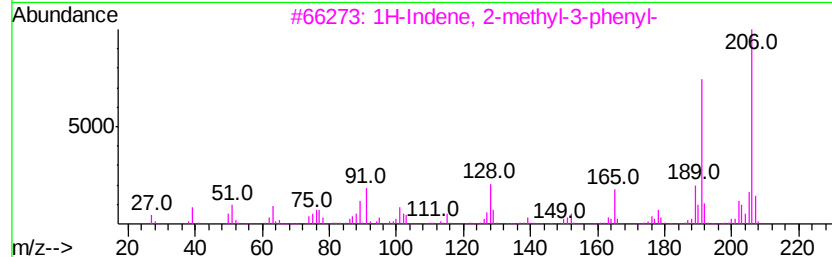
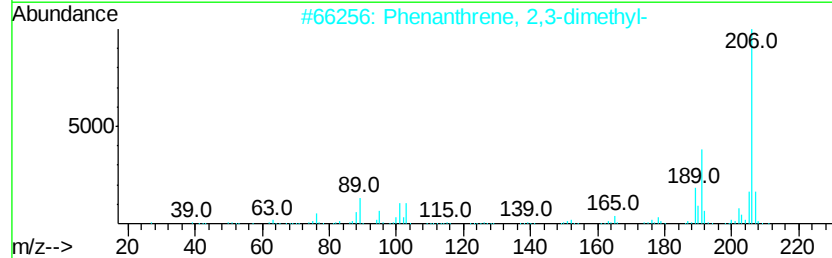
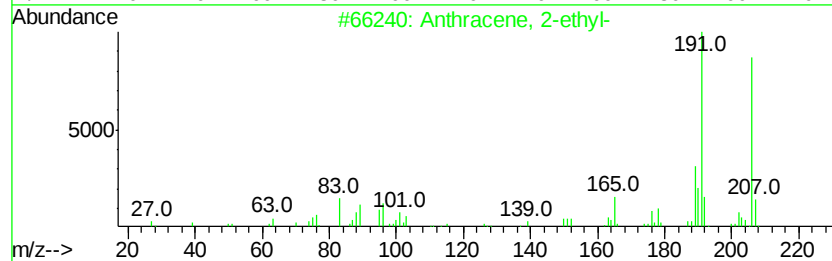
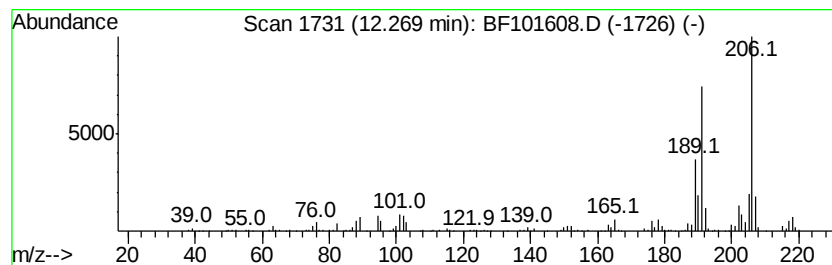
Instrument :
BNA_F
ClientSampleId :
PL-01-121917-D

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Anthracene, 2-ethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD		R.T.	
12.27	8.87 ng	338786	Phenanthrene-d10		11.33	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Anthracene, 2-ethyl-	206	C16H14	052251-71-5	95
2		Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
3		1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	91
4		3-Methyl-1-phenyl-1H-indene	206	C16H14	022360-63-0	91
5		9,10-Dimethylantracene	206	C16H14	000781-43-1	91



Data Path : Z:\HPCHEM1\BNA F\DATA\BF122117\
Data File : BF101608.D
Acq On : 21 Dec 2017 15:50
Operator : SJ/JU
Sample : I6681-07 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-01-121917-D

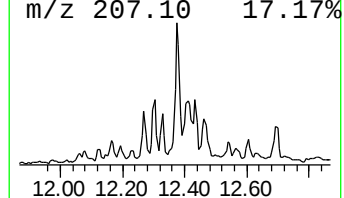
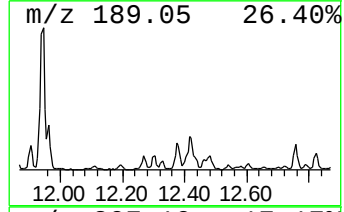
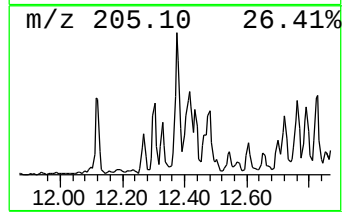
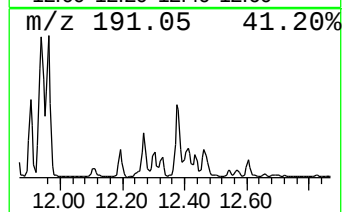
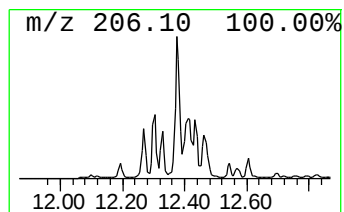
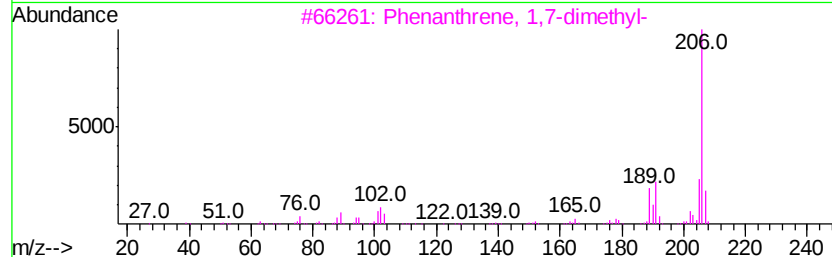
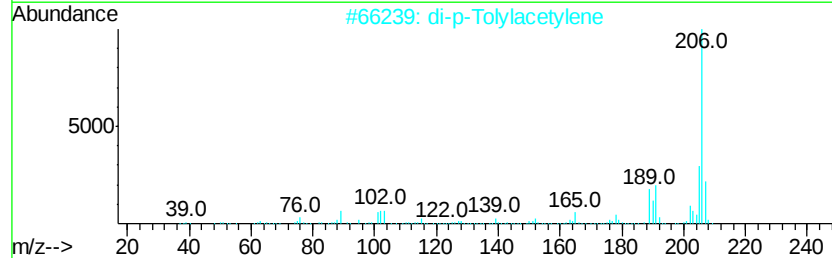
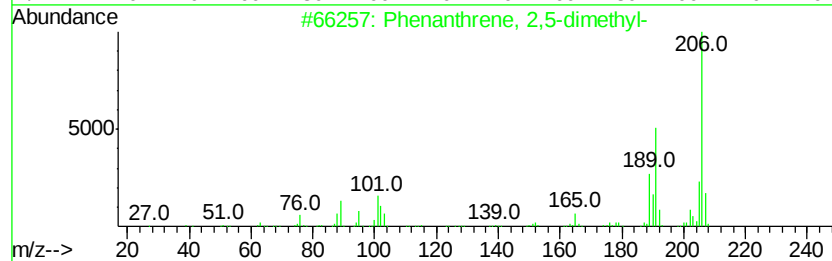
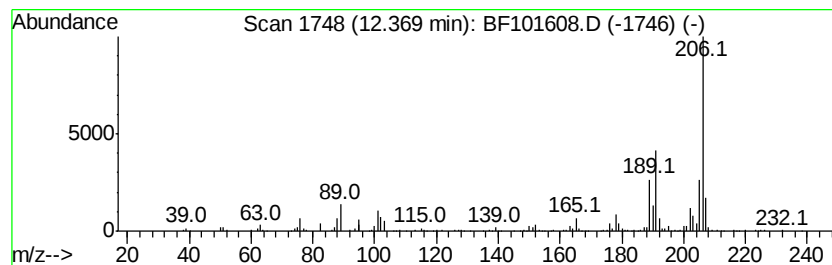
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Phenanthrene, 2,5-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.37	19.16 ng	731856	Phenanthrene-d10	11.33

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2		di-p-Tolylacetylene	206	C16H14	002789-88-0	96
3		Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	94
4		9,10-Dimethylantracene	206	C16H14	000781-43-1	93
5		Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122117\
Data File : BF101608.D
Acq On : 21 Dec 2017 15:50
Operator : SJ/JU
Sample : I6681-07 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-01-121917-D

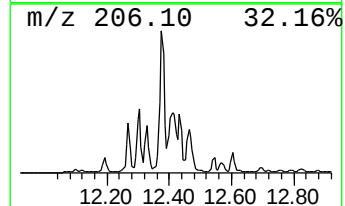
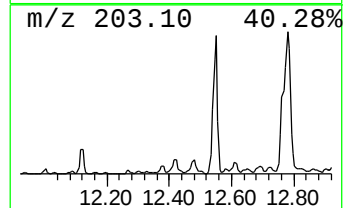
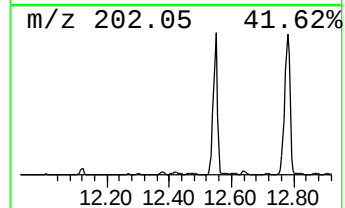
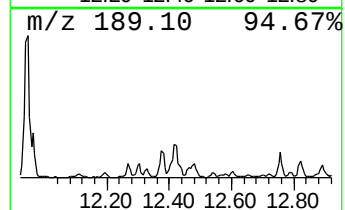
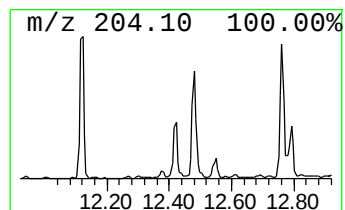
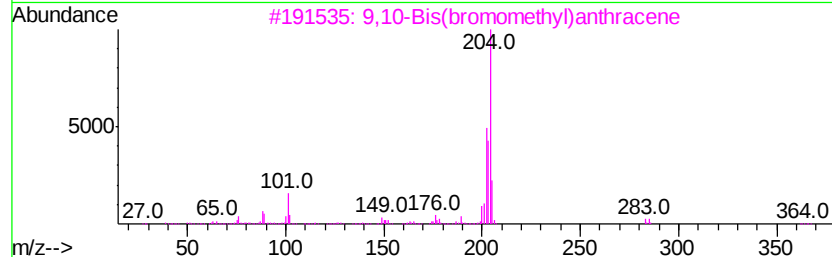
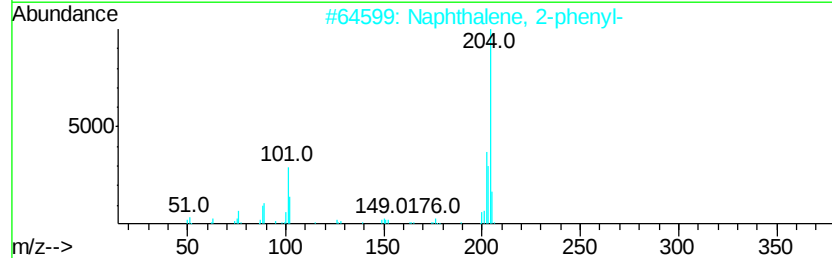
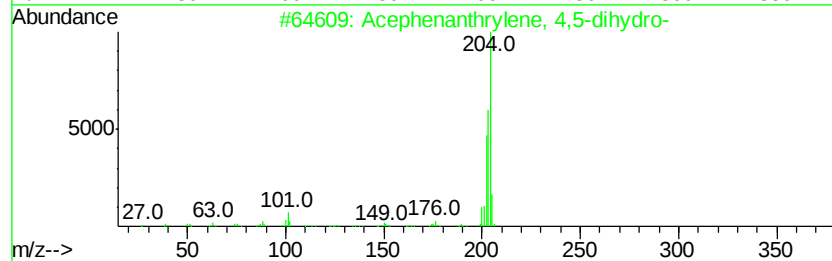
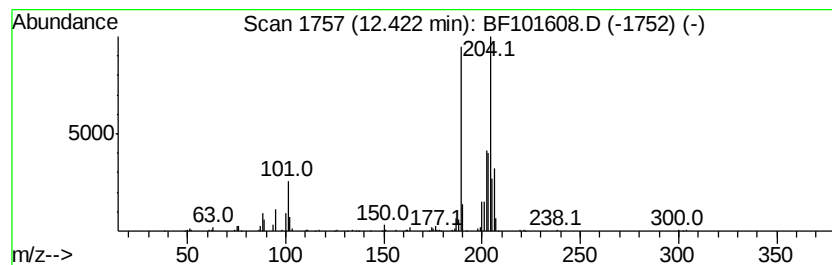
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 unknown12.42 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.42	15.98 ng	610211	Phenanthrene-d10	11.33

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	38
2		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	35
3		9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	35
4		Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	30
5		3-Benzofurancarboxylic acid, 2-e...	204	C12H12O3	040800-94-0	27



Data Path : Z:\HPCHEM1\BNA F\DATA\BF122117\
Data File : BF101608.D
Acq On : 21 Dec 2017 15:50
Operator : SJ/JU
Sample : I6681-07 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-01-121917-D

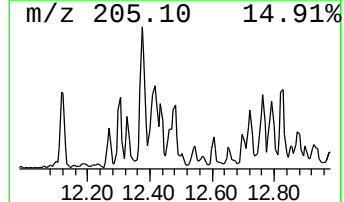
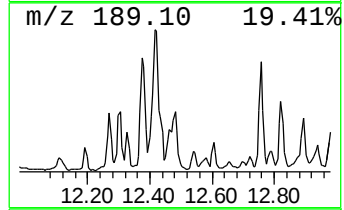
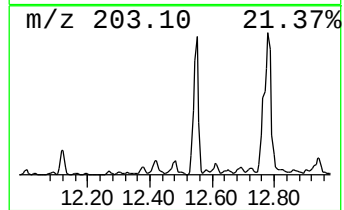
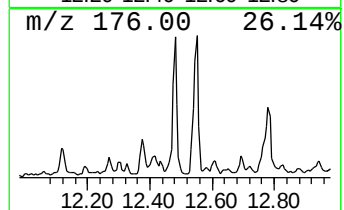
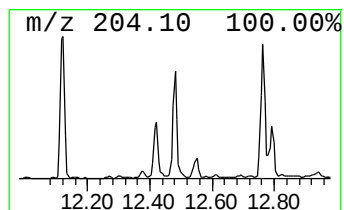
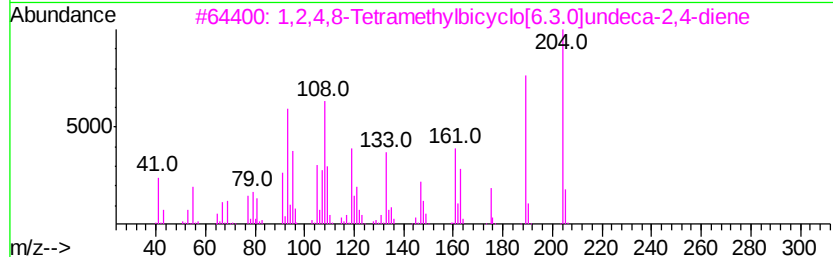
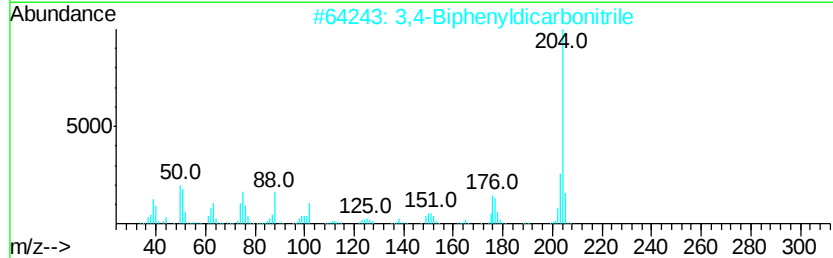
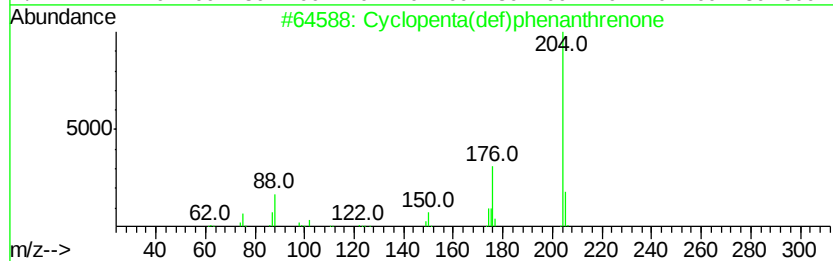
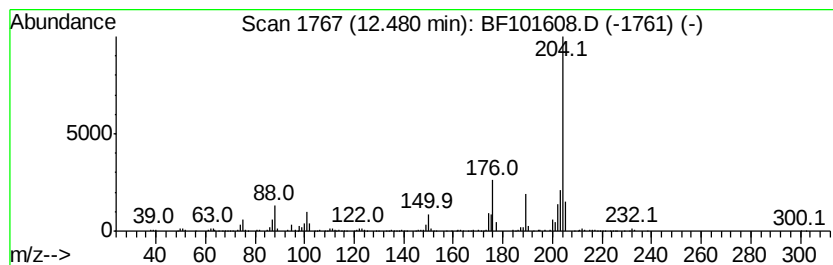
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Cyclopenta(def)phenanthrenone Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.48	19.82 ng	756998	Phenanthrene-d10	11.33

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	97
2		3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	58
3		1,2,4,8-Tetramethylbicyclo[6.3.0]undeca-2,4-diene	204	C15H24	137235-51-9	55
4		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	53
5		Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	49



Data Path : Z:\HPCHEM1\BNA F\DATA\BF122117\
Data File : BF101608.D
Acq On : 21 Dec 2017 15:50
Operator : SJ/JU
Sample : I6681-07 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-01-121917-D

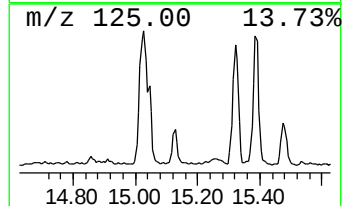
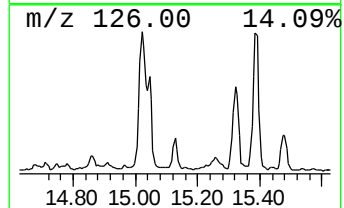
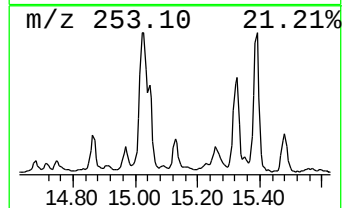
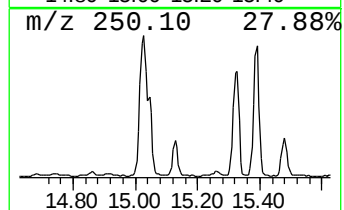
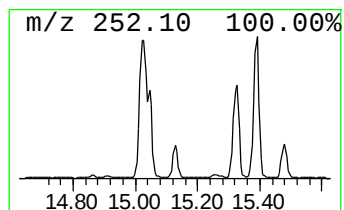
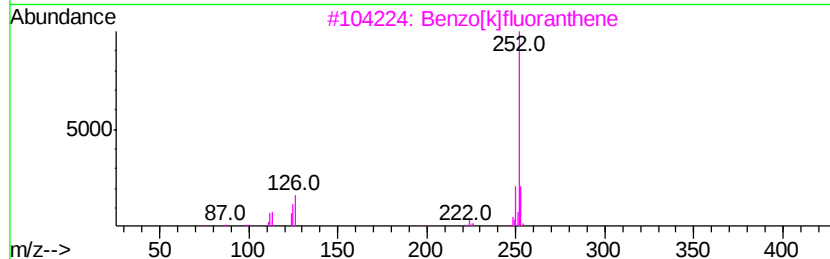
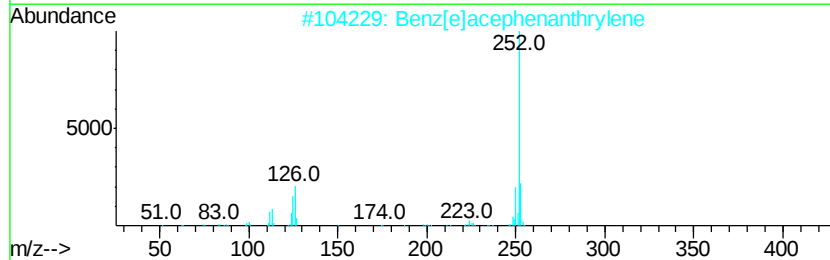
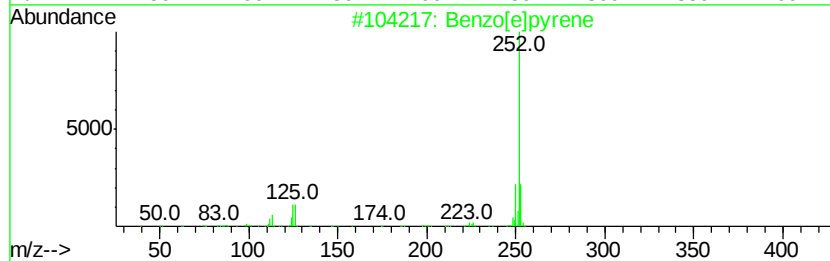
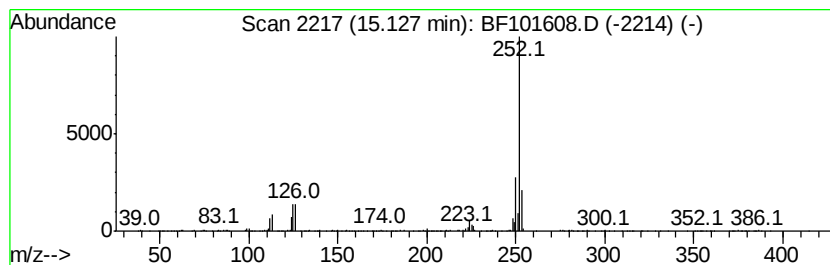
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Benzo[e]pyrene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.13	10.24 ng	281434	Perylene-d12	15.44

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[e]pyrene	252	C20H12	000192-97-2	97
2		Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	96
3		Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
4		Perylene	252	C20H12	000198-55-0	90
5		Benzo[a]pyrene	252	C20H12	000050-32-8	90



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122117\
 Data File : BF101608.D
 Acq On : 21 Dec 2017 15:50
 Operator : SJ/JU
 Sample : I6681-07 2X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-121917-D

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.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
unknown6.57	6.57	37.5	ng	1493440	1	6.80	796526	20.0
Naphthalene, 2,6-...	9.42	10.6	ng	455637	3	9.83	857094	20.0
Naphthalene, 2,3-...	9.49	13.0	ng	558779	3	9.83	857094	20.0
9H-Fluorene, 1-me...	10.93	11.9	ng	454721	4	11.33	763912	20.0
Dibenzothiophene	11.22	10.5	ng	401056	4	11.33	763912	20.0
1-Methyldibenzoth...	11.66	9.2	ng	352193	4	11.33	763912	20.0
Phenanthrene, 2-m...	11.83	27.6	ng	1055490	4	11.33	763912	20.0
Benzaldehyde, 3,5...	11.94	46.9	ng	1791210	4	11.33	763912	20.0
Naphthalene, 2-ph...	12.12	12.3	ng	470894	4	11.33	763912	20.0
Anthracene, 2-ethyl-	12.27	8.9	ng	338786	4	11.33	763912	20.0
Phenanthrene, 2,5...	12.37	19.2	ng	731856	4	11.33	763912	20.0
unknown12.42	12.42	16.0	ng	610211	4	11.33	763912	20.0
Cyclopenta(def)ph...	12.48	19.8	ng	756998	4	11.33	763912	20.0
Benzo[e]pyrene	15.13	10.2	ng	281434	6	15.44	549695	20.0