LSC Area Percent Report

Data Path : U:\HPCHEM1\BNA F\DATA\BF012618\
Data File : BF102481.D
Acq On : 26 Jan 2018 20:56
Operator : SJ/JU
Sample : J1257-07
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-14(0-5)

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-BF012218.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	4.922	478	482	488	rBV	81049	108267	2.66%	0.219%
2	5.287	540	544	548	rBV	41440	55301	1.36%	0.112%
3	5.334	548	552	567	rVB	3494288	3721398	91.47%	7.531%
4	5.551	586	589	593	rBV	41271	42480	1.04%	0.086%
5	6.369	723	728	740	rBV	3464132	4068371	100.00%	8.233%
6	6.493	745	749	752	rVV	3820118	3701162	90.97%	7.490%
7	6.540	755	757	763	rVB2	50481	59416	1.46%	0.120%
8	6.722	784	788	794	rBV	1174109	1031766	25.36%	2.088%
9	6.781	794	798	806	rVB2	58541	69909	1.72%	0.141%
10	6.875	810	814	817	rBV	3212339	2799256	68.81%	5.665%
11	7.287	880	884	887	rBV	2169858	2037185	50.07%	4.123%
12	8.004	1002	1006	1008	rBV	1561332	1257666	30.91%	2.545%
13	8.022	1008	1009	1017	rVB	272230	233476	5.74%	0.473%
14	8.357	1063	1066	1074	rBV6	39944	62318	1.53%	0.126%
15	8.563	1098	1101	1103	rBV	50737	44691	1.10%	0.090%
16	8.716	1124	1127	1131	rBV	159822	138623	3.41%	0.281%
17	8.816	1141	1144	1152	rVB	164343	149904	3.68%	0.303%
18	9.081	1185	1189	1192	rBV	3893310	3374461	82.94%	6.829%
19	9.151	1199	1201	1204	rVB	56758	52877	1.30%	0.107%
20	9.181	1204	1206	1212	rVB2	63065	70714	1.74%	0.143%
21	9.351	1230	1235	1238	rBV2	94955	124615	3.06%	0.252%
22	9.416	1242	1246	1249	rBV	137000	153193	3.77%	0.310%
23	9.445	1249	1251	1252	rVV	68576	63359	1.56%	0.128%
24	9.475	1253	1256	1263	rVB	918553	717964	17.65%	1.453%
25	9.534	1263	1266	1270	rBV2	70874	81113	1.99%	0.164%
26	9.616	1277	1280	1283	rBV	154781	143970	3.54%	0.291%
27	9.686	1289	1292	1295	rVB	96375	76326	1.88%	0.154%
28	9.757	1298	1304	1307	rVV2	1401768	1253726	30.82%	2.537%
29	9.786	1307	1309	1314	rVB	397268	373939	9.19%	0.757%
30	9.863	1319	1322	1326	rVB3	46901	53546	1.32%	0.108%
31	9.910	1327	1330	1334	rVV3	55170	81241	2.00%	0.164%
32	9.963	1336	1339	1343	rVV	264294	246752	6.07%	0.499%
33	9.998	1343	1345	1349	rVB4	65613	72601	1.78%	0.147%
34	10.075	1355	1358	1361	rBV3	57567	70868	1.74%	0.143%

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Misc :
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Instrument : BNA_F
ClientSampleId : WC-14(0-5)

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

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Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.157	1369	1372	1374	rBV2	92934	101358	2.49%	0.205%
36	10.181	1374	1376	1379	rVB	105748	82783	2.03%	0.168%
37	10.304	1394	1397	1402	rVB	502594	440525	10.83%	0.892%
38	10.392	1410	1412	1414	rVB2	52105	41205	1.01%	0.083%
39	10.469	1421	1425	1430	rVB2	208774	245982	6.05%	0.498%
40	10.551	1435	1439	1445	rBV	1651194	1568831	38.56%	3.175%
41	10.669	1454	1459	1466	rVB3	114503	222464	5.47%	0.450%
42	10.851	1486	1490	1493	rBV2	117311	142569	3.50%	0.289%
43	10.981	1507	1512	1513	rBV3	82206	94589	2.32%	0.191%
44	11.051	1522	1524	1527	rVB	81385	67071	1.65%	0.136%
45	11.104	1529	1533	1536	rVV3	156181	191321	4.70%	0.387%
46	11.139	1536	1539	1543	rVB	186699	188022	4.62%	0.381%
47	11.245	1553	1557	1559	rBV	1053727	1006426	24.74%	2.037%
48	11.275	1559	1562	1565	rVV	2366177	2224738	54.68%	4.502%
49	11.322	1565	1570	1573	rVV	662391	589265	14.48%	1.193%
50	11.357	1574	1576	1579	rVB	76088	69018	1.70%	0.140%
51	11.480	1592	1597	1601	rBV	372368	419044	10.30%	0.848%
52	11.533	1604	1606	1610	rVB3	67621	68813	1.69%	0.139%
53	11.745	1639	1642	1645	rBV	314162	285813	7.03%	0.578%
54	11.775	1645	1647	1650	rVV	471096	380922	9.36%	0.771%
55	11.804	1650	1652	1653	rVV	66567	48044	1.18%	0.097%
56	11.822	1653	1655	1658	rVV	181870	154053	3.79%	0.312%
57	11.857	1658	1661	1664	rVV	501276	542222	13.33%	1.097%
58	11.880	1664	1665	1667	rVB	192771	93079	2.29%	0.188%
59	11.928	1671	1673	1676	rBV2	66438	83619	2.06%	0.169%
60	12.039	1690	1692	1695	rBV	198806	154550	3.80%	0.313%
61	12.069	1695	1697	1702	rVB	176292	174404	4.29%	0.353%
62	12.222	1720	1723	1725	rBV2	94713	78475	1.93%	0.159%
63	12.292	1732	1735	1738	rBV2	233075	247881	6.09%	0.502%
64	12.333	1739	1742	1744	rVV2	130991	157223	3.86%	0.318%
65	12.386	1748	1751	1755	rVB4	105533	148448	3.65%	0.300%
66	12.463	1760	1764	1767	rBV	2690312	2434999	59.85%	4.928%
67	12.692	1797	1803	1806	rBV2	2144909	2466005	60.61%	4.991%
68	12.833	1823	1827	1830	rBV	2229767	1932941	47.51%	3.912%
69	13.016	1856	1858	1861	rVB	382741	342328	8.41%	0.693%
70	13.086	1867	1870	1872	rBV	294207	279418	6.87%	0.565%
71	13.122	1873	1876	1878	rVV2	188758	189684	4.66%	0.384%

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Instrument : BNA_F
ClientSampleId : WC-14(0-5)

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
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Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.M
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72	13.316	1906	1909	1915	rVB	428750	454565	11.17%	0.920%
73	13.663	1966	1968	1971	rVB	157358	113149	2.78%	0.229%
74	13.727	1977	1979	1985	rVB2	348400	464142	11.41%	0.939%
75	13.886	2002	2006	2009	rBV2	1216174	1763924	43.36%	3.570%
76	13.916	2009	2011	2017	rVB	982347	877821	21.58%	1.777%
77	14.921	2179	2182	2185	rBV	421162	603310	14.83%	1.221%
78	15.274	2238	2242	2245	rVB	492495	585082	14.38%	1.184%

Sum of corrected areas: 49412579

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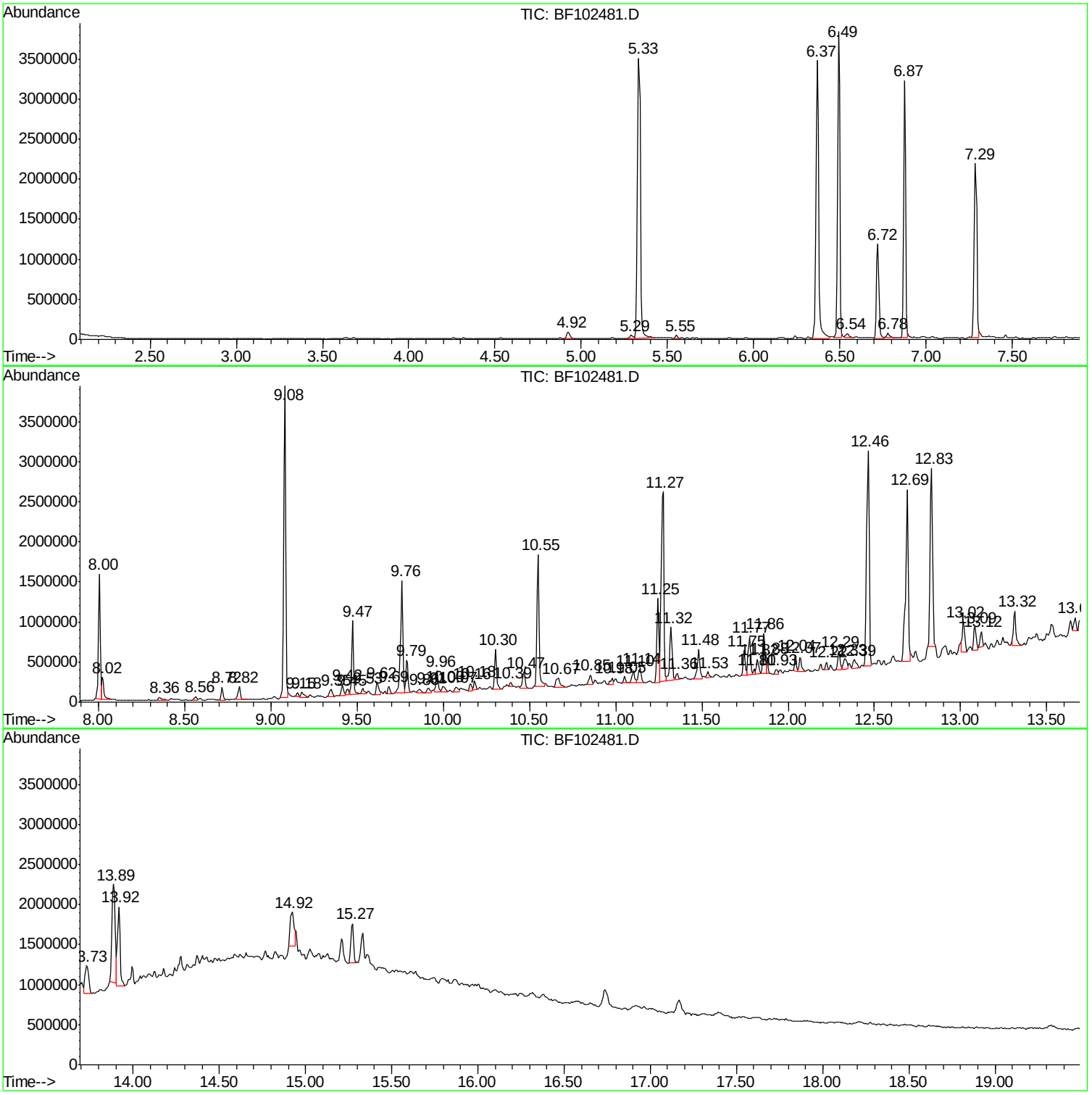
Sample : J1257-07
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-14(0-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : U:\HPCHEM1\BNA F\DATA\BF012618\
Data File : BF102481.D
Acq On : 26 Jan 2018 20:56
Operator : SJ/JU
Sample : J1257-07
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Instrument : BNA_F
ClientSampleId : WC-14(0-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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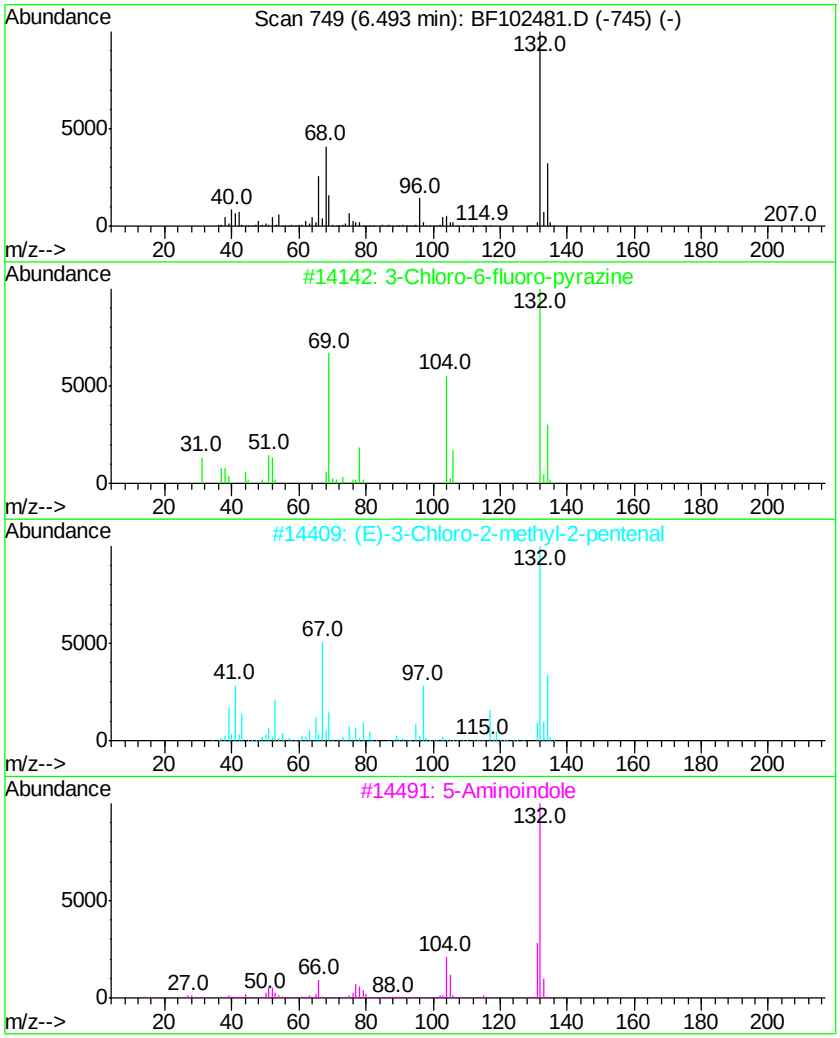
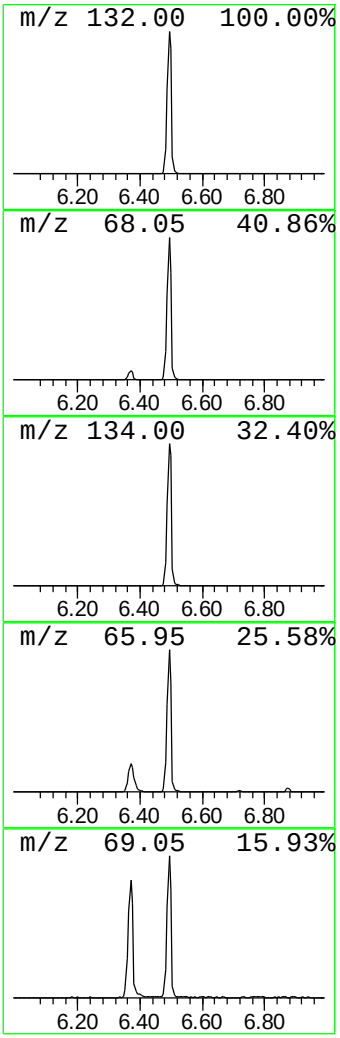
Peak Number 1 unknown6.49 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.49	71.74 ng	3701160	1,4-Dichlorobenzene-d4	6.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3	5-Aminoindole	132	C8H8N2	005192-03-0	12
4	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
5	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9





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Data File : BF102481.D
Acq On : 26 Jan 2018 20:56
Operator : SJ/JU
Sample : J1257-07
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-14(0-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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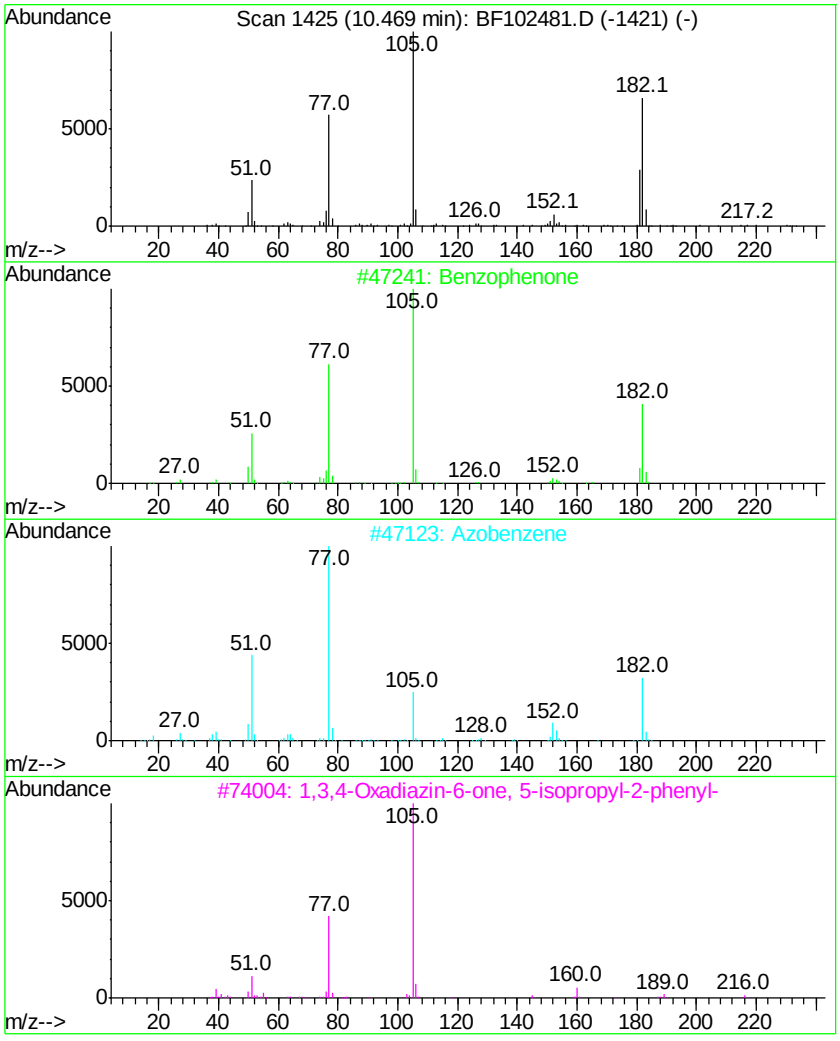
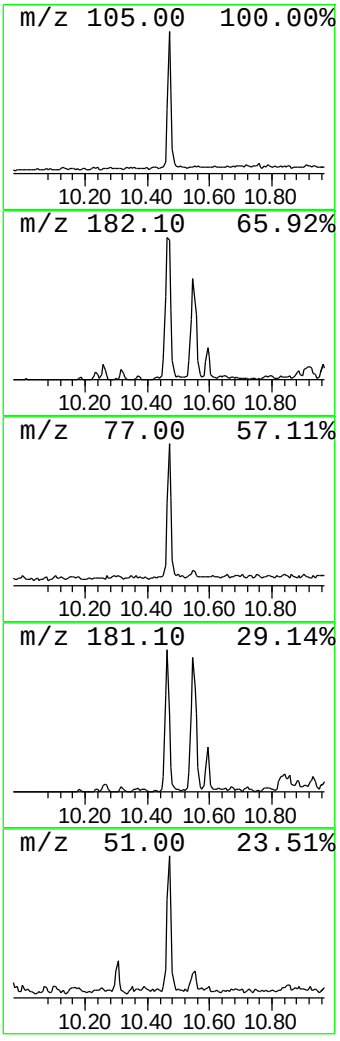
Peak Number 3 Benzophenone Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.47	3.92 ng	245982	Acenaphthene-d10	9.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	93
2	Azobenzene	182	C12H10N2	000103-33-3	58
3	1,3,4-Oxadiazin-6-one, 5-isoprop...	216	C12H12N2O2	173973-78-9	43
4	Acetophenone, 2,2-difluoro-2-phe...	232	C14H10F2O	000365-01-5	43
5	Benzoylformic acid	150	C8H6O3	000611-73-4	38





Data Path : U:\HPCHEM1\BNA F\DATA\BF012618\
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Sample : J1257-07
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-14(0-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.M
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TIC Library : C:\DATABASE\NIST11.L
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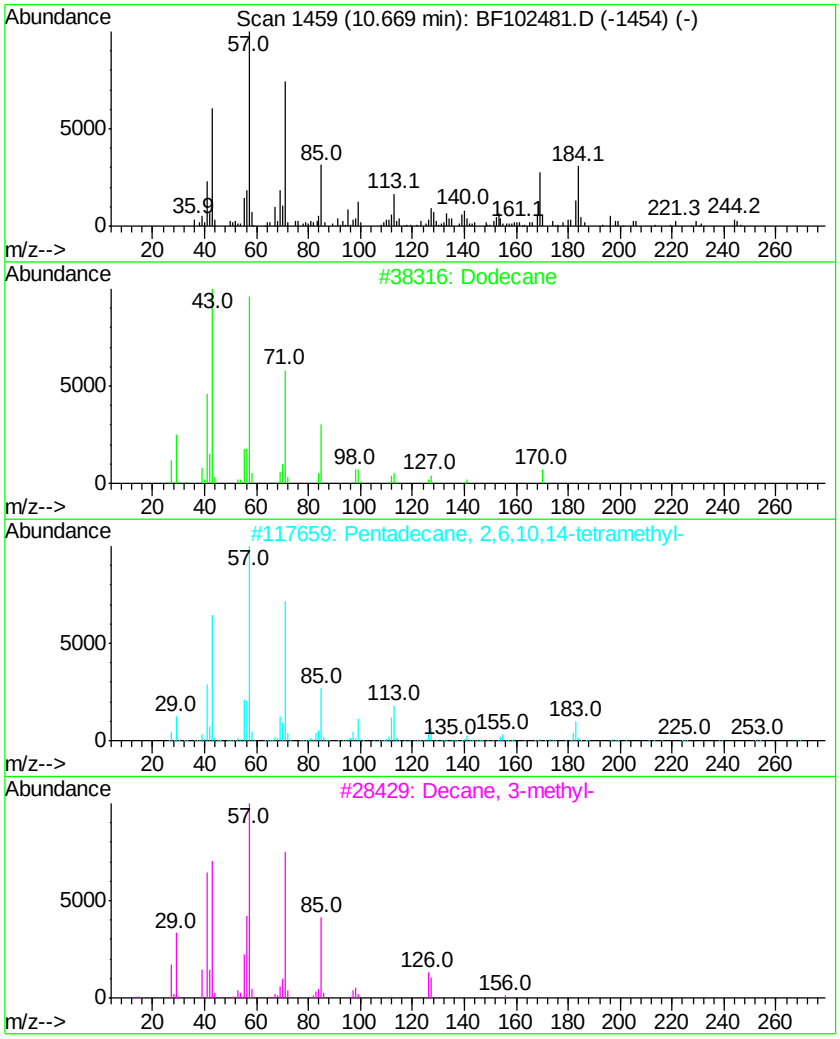
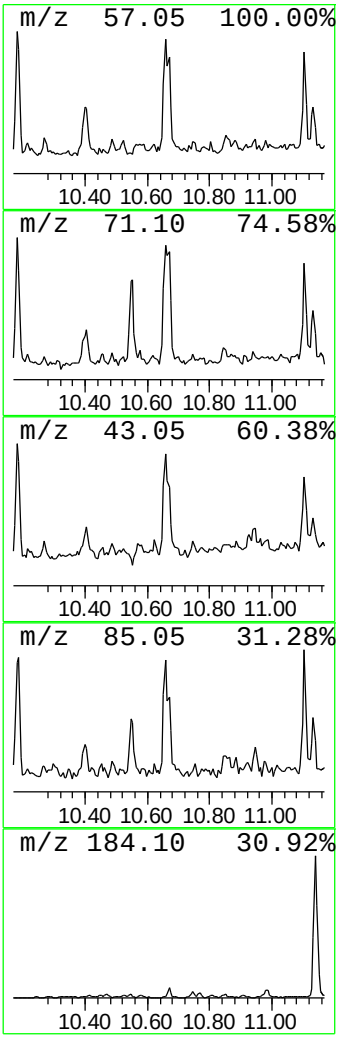
Peak Number 4 Dodecane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.67	4.42 ng	222464	Phenanthrene-d10	11.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane	170	C12H26	000112-40-3	60
2	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	53
3	Decane, 3-methyl-	156	C11H24	013151-34-3	49
4	Octane, 3,5-dimethyl-	142	C10H22	015869-93-9	46
5	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	43





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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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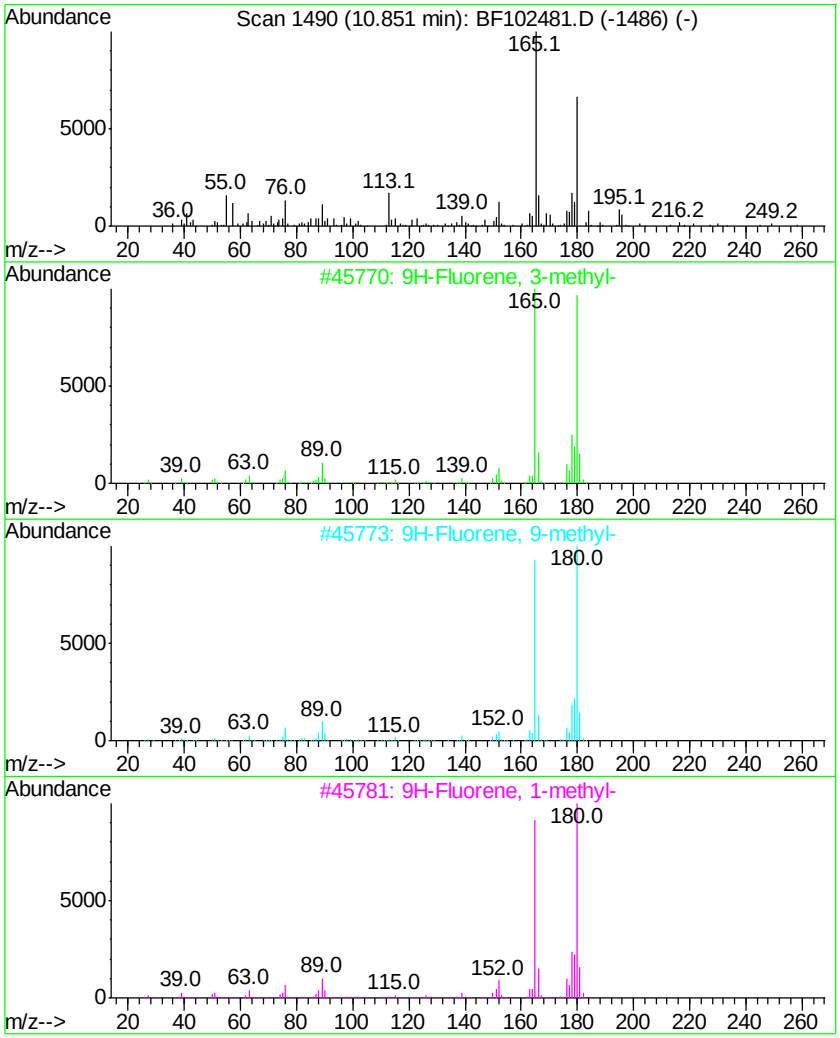
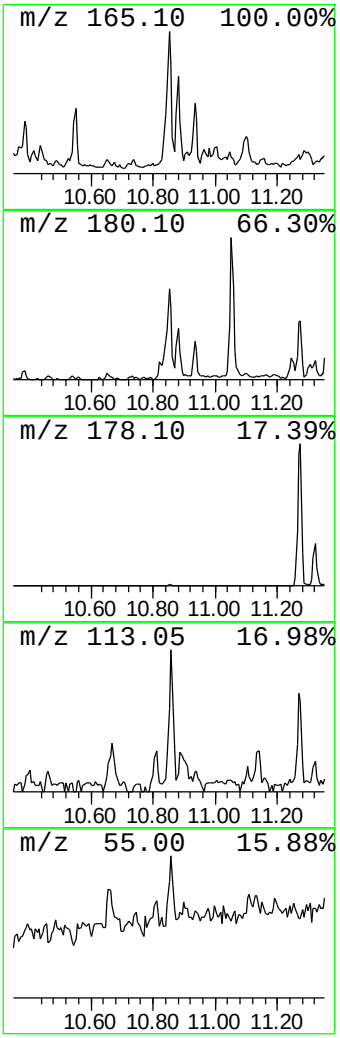
Peak Number 5 9H-Fluorene, 3-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.85	2.83 ng	142569	Phenanthrene-d10	11.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	90
2	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	81
3	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	81
4	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	64
5	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	64





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Instrument : BNA_F
ClientSampleId : WC-14(0-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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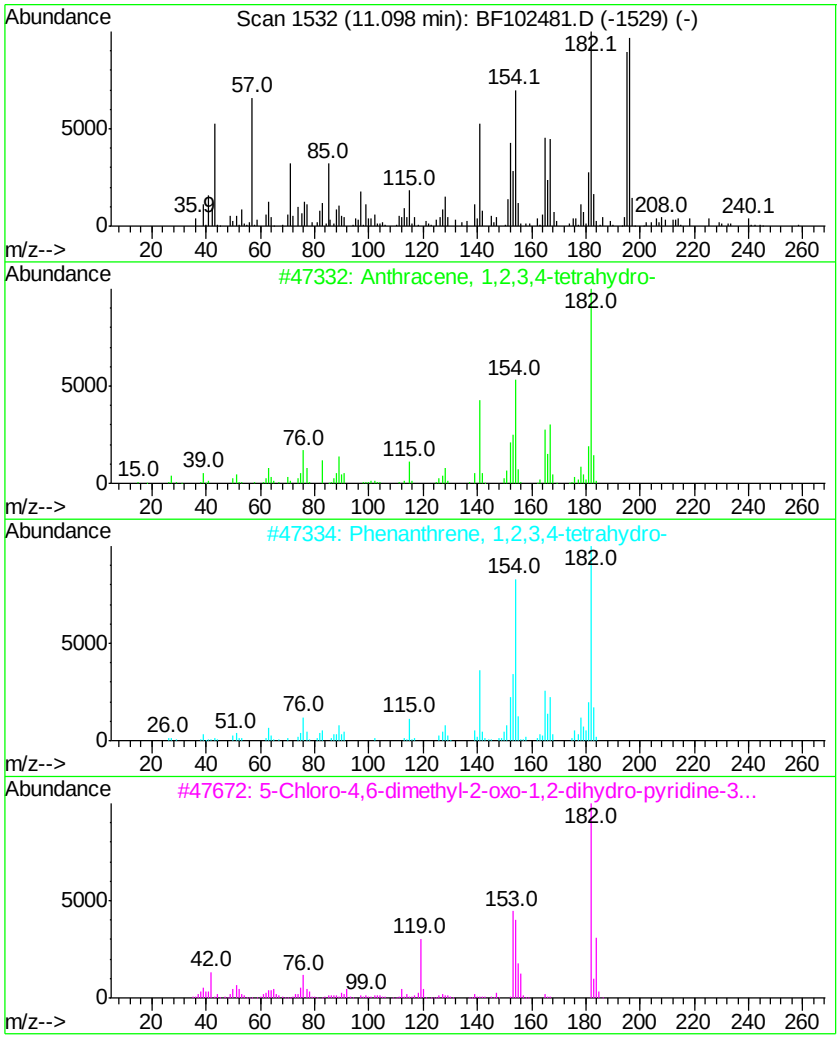
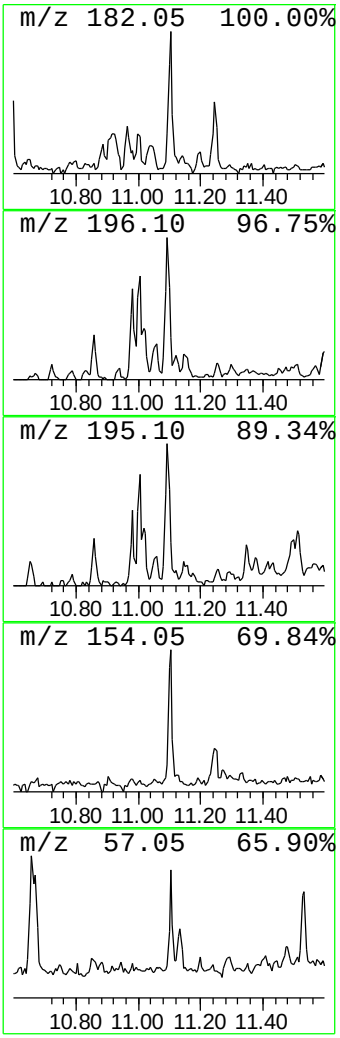
Peak Number 6 Anthracene, 1,2,3,4-tetrahy... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.10	3.80 ng	191321	Phenanthrene-d10	11.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	91
2	Phenanthrene, 1,2,3,4-tetrahydro-	182	C14H14	001013-08-7	78
3	5-Chloro-4,6-dimethyl-2-oxo-1,2-...	182	C8H7ClN2O	1000300-46-7	42
4	3,3'-Dimethylbiphenyl	182	C14H14	000612-75-9	42
5	4,4'-Dimethylbiphenyl	182	C14H14	000613-33-2	38





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Data File : BF102481.D
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Operator : SJ/JU
Sample : J1257-07
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-14(0-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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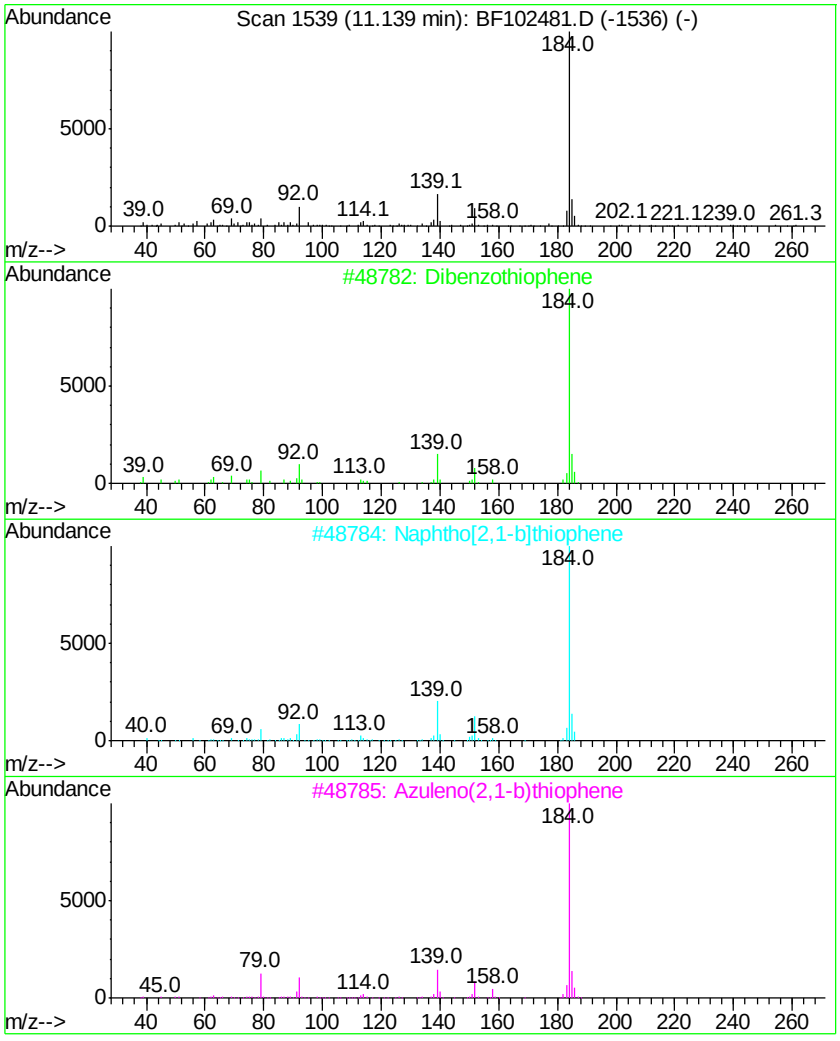
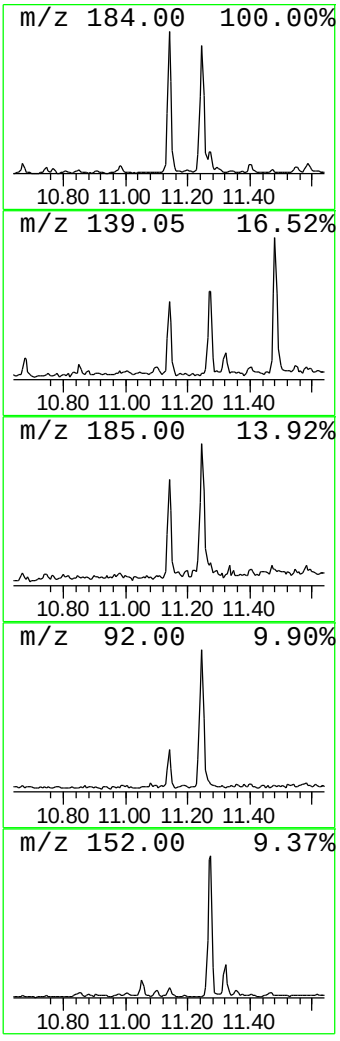
Peak Number 7 Dibenzothiophene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.14	3.74 ng	188022	Phenanthrene-d10	11.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	94
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	94
3	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	87
5	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	87





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Acq On : 26 Jan 2018 20:56
Operator : SJ/JU
Sample : J1257-07
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-14(0-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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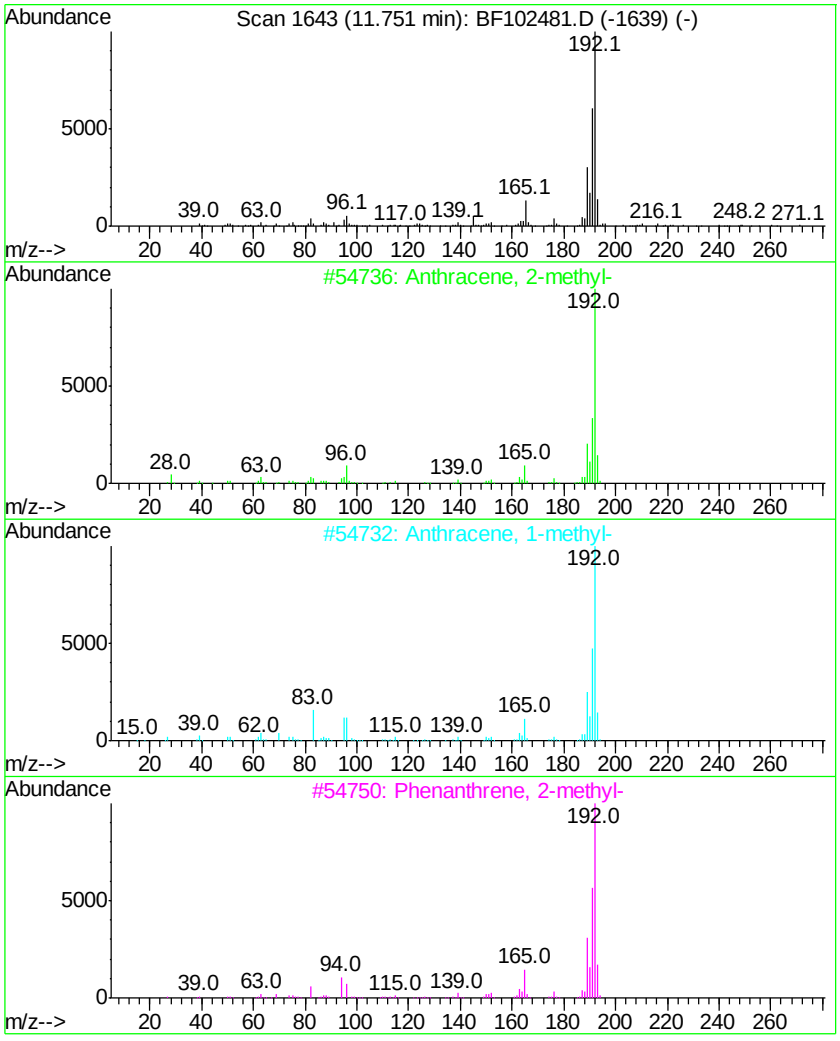
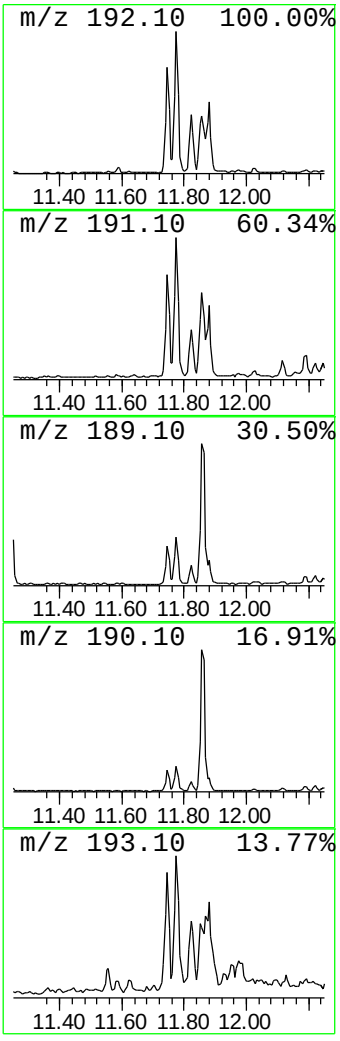
Peak Number 8 Anthracene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.75	5.68 ng	285813	Phenanthrene-d10	11.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91





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Operator : SJ/JU
Sample : J1257-07
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-14(0-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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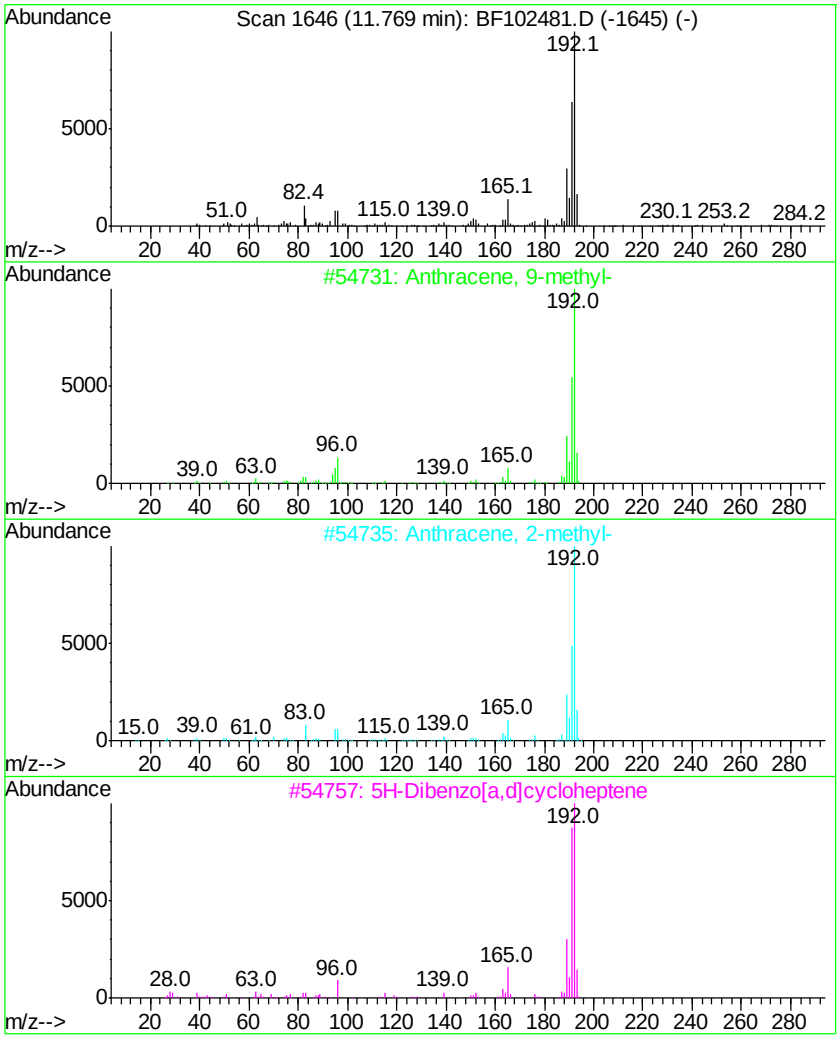
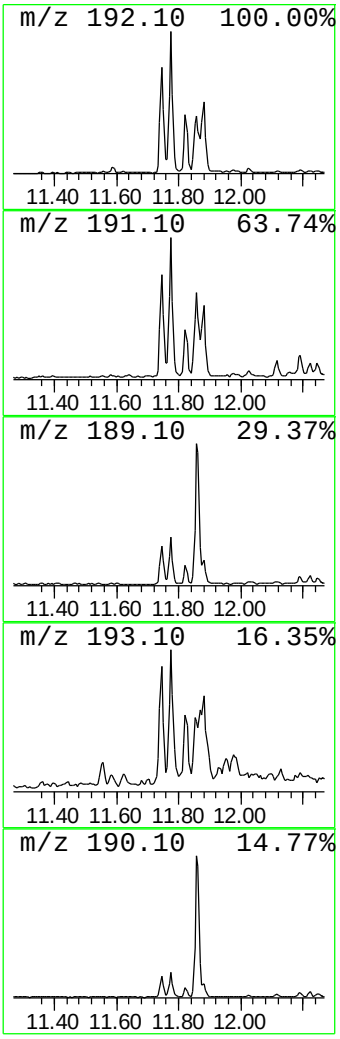
Peak Number 9 Anthracene, 9-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.77	7.57 ng	380922	Phenanthrene-d10	11.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
3	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	93
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93





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Acq On : 26 Jan 2018 20:56
Operator : SJ/JU
Sample : J1257-07
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-14(0-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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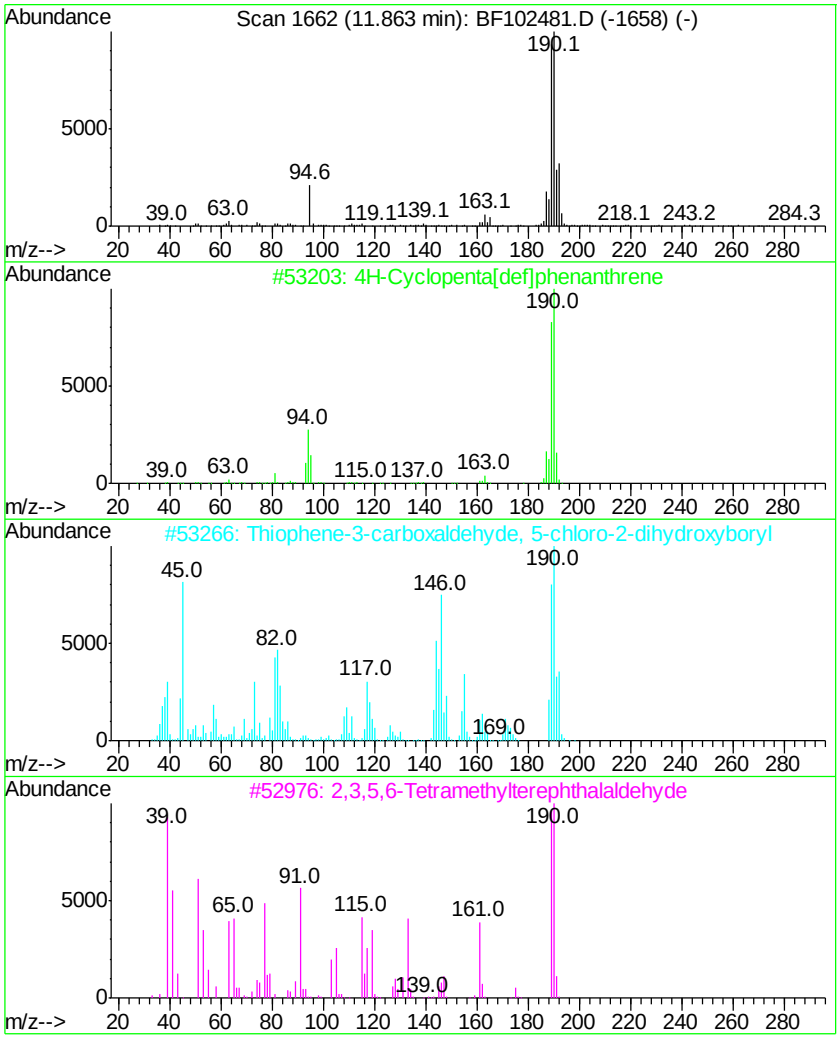
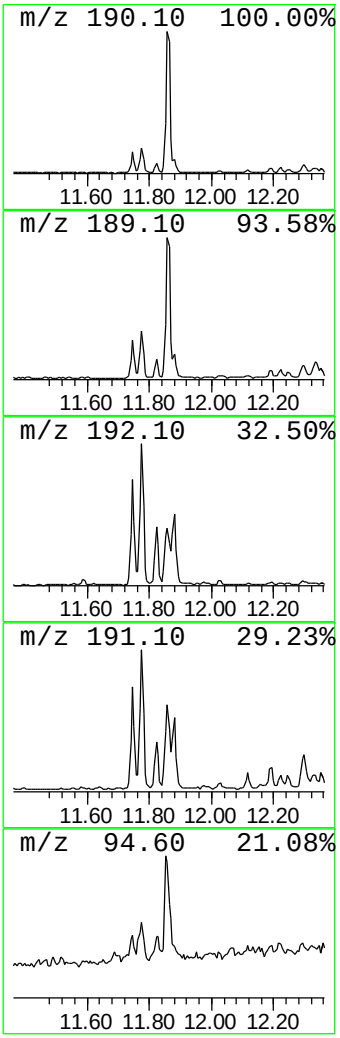
Peak Number 11 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.86	10.78 ng	542222	Phenanthrene-d10	11.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	53
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43
4	Methyl diselenide	190	C2H6Se2	007101-31-7	43
5	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	42





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Acq On : 26 Jan 2018 20:56
Operator : SJ/JU
Sample : J1257-07
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-14(0-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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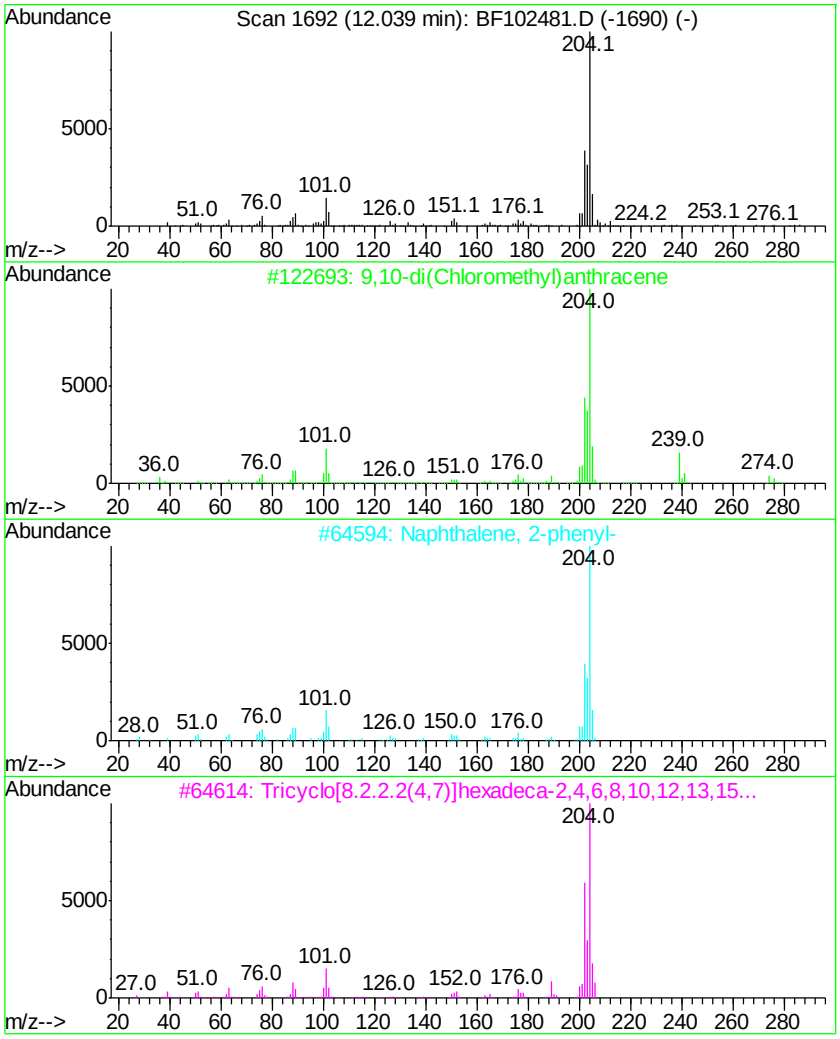
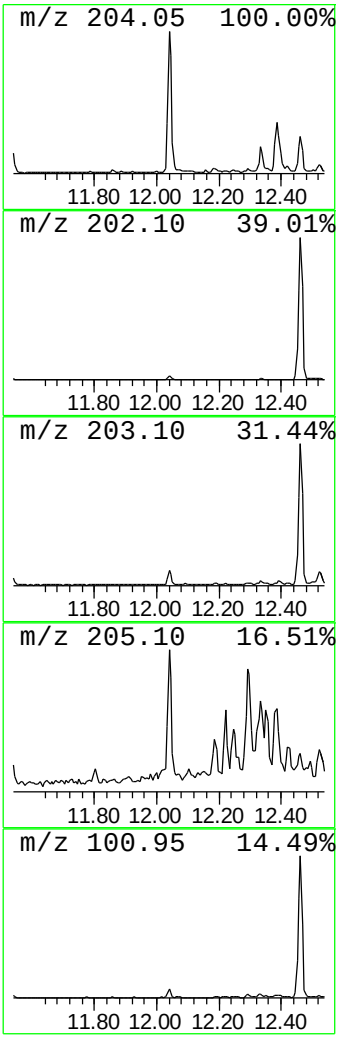
Peak Number 12 9,10-di(Chloromethyl)anthra... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.04	3.07 ng	154550	Phenanthrene-d10	11.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	90
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	62
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	60
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	58





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Operator : SJ/JU
Sample : J1257-07
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-14(0-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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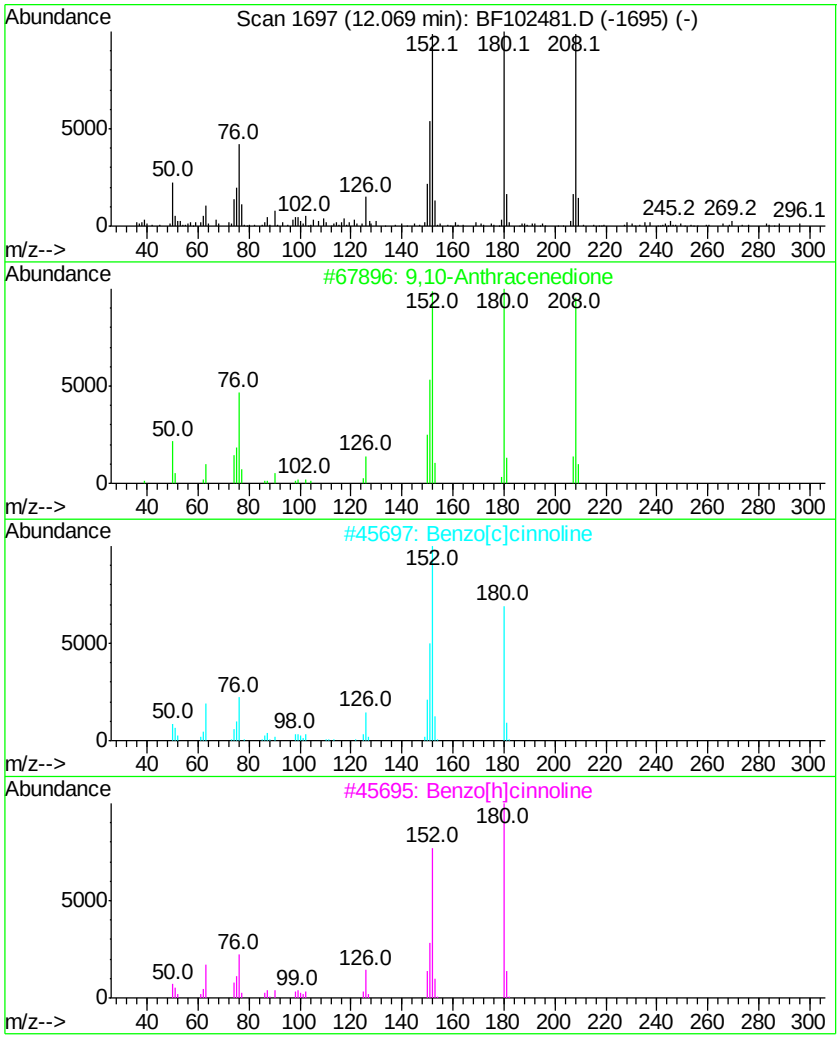
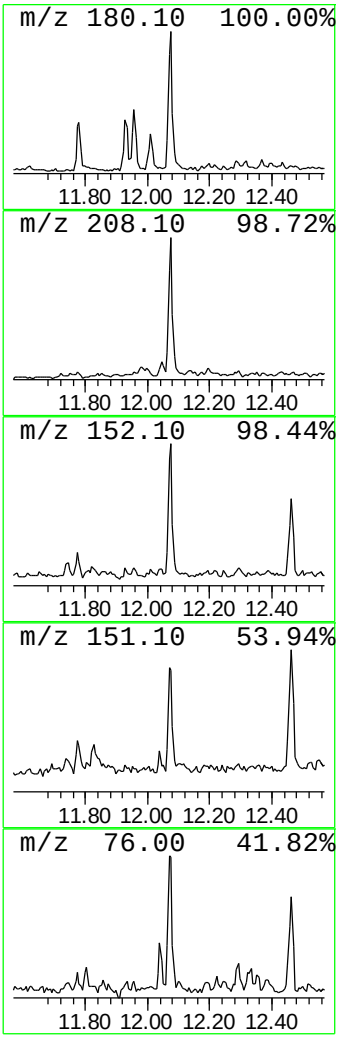
Peak Number 13 9,10-Anthracenedione Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.07	3.47 ng	174404	Phenanthrene-d10	11.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	99
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	83
3	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	78
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	64
5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	62





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Acq On : 26 Jan 2018 20:56
Operator : SJ/JU
Sample : J1257-07
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-14(0-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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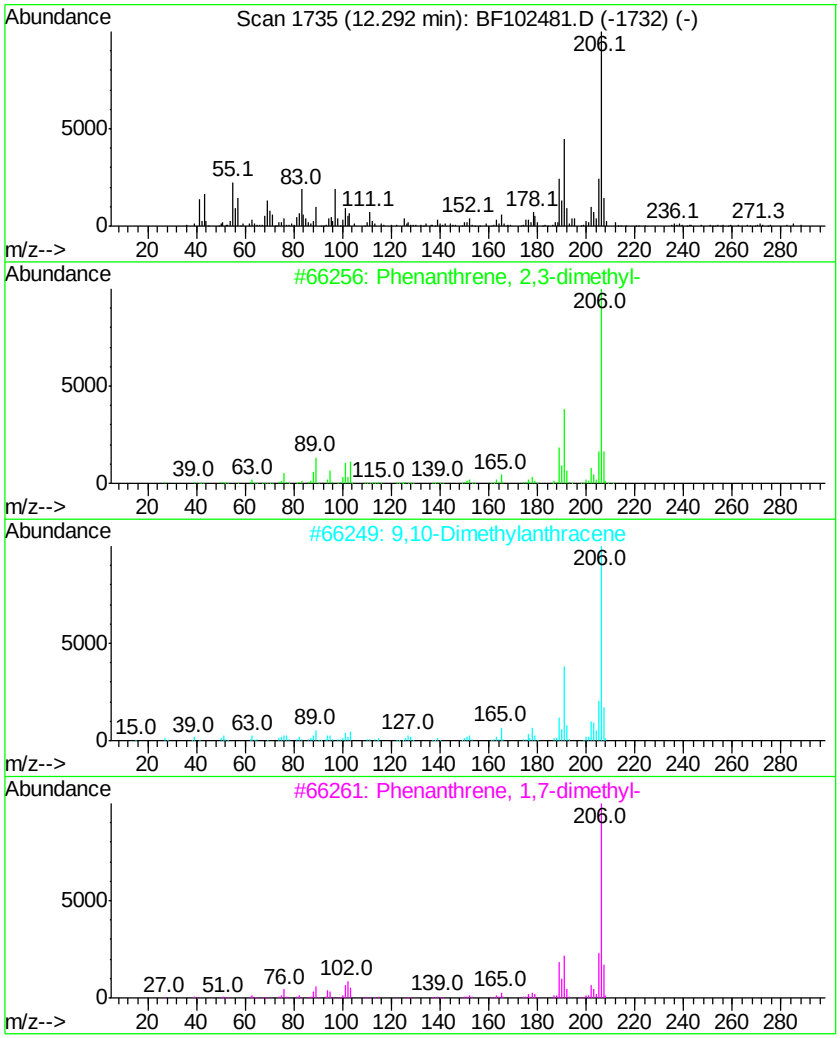
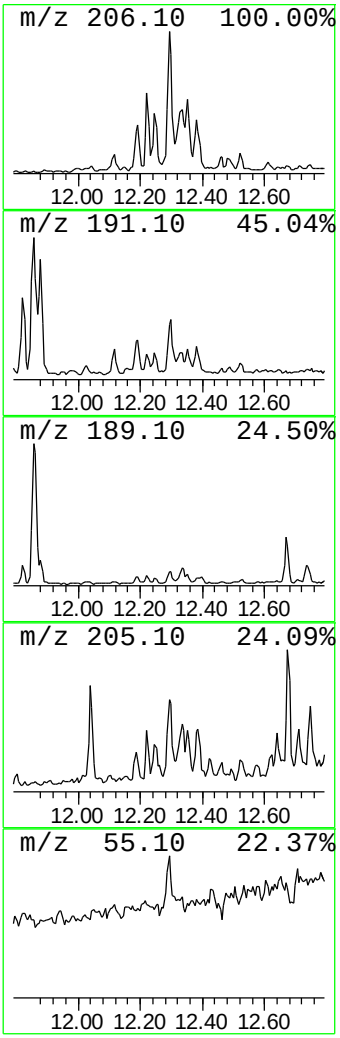
Peak Number 14 Phenanthrene, 2,3-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.29	4.93 ng	247881	Phenanthrene-d10	11.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	90
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	89
5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	87





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Acq On : 26 Jan 2018 20:56
Operator : SJ/JU
Sample : J1257-07
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-14(0-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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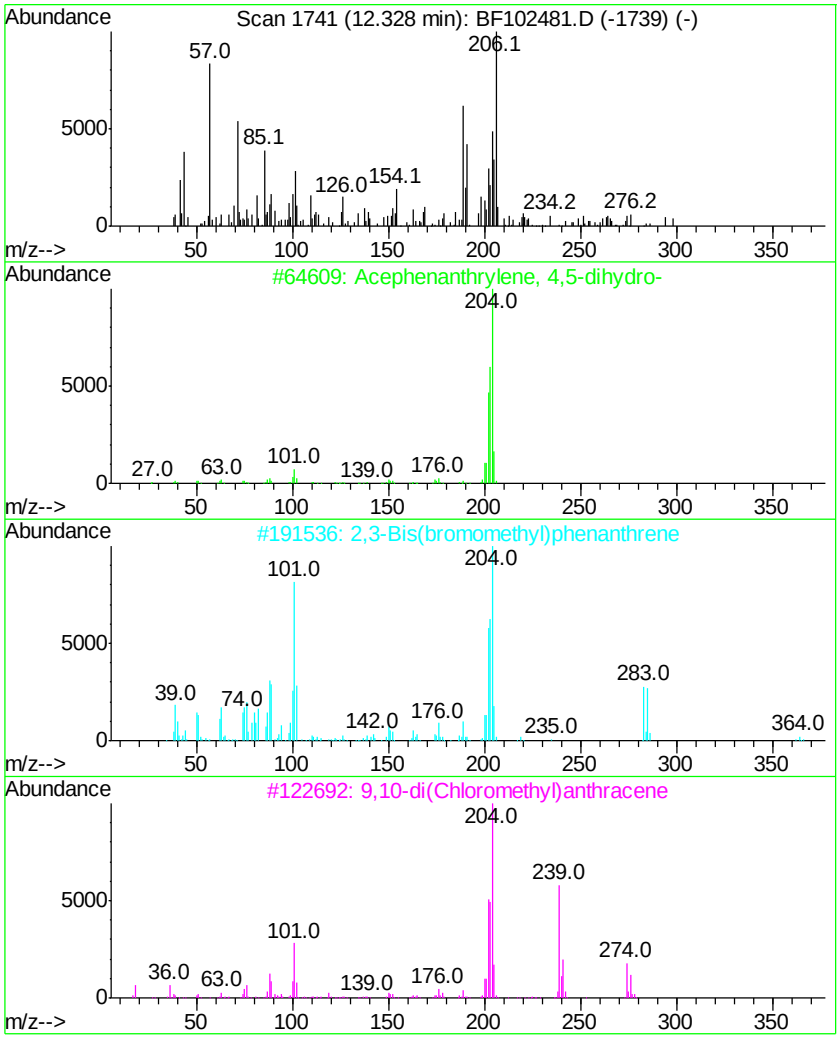
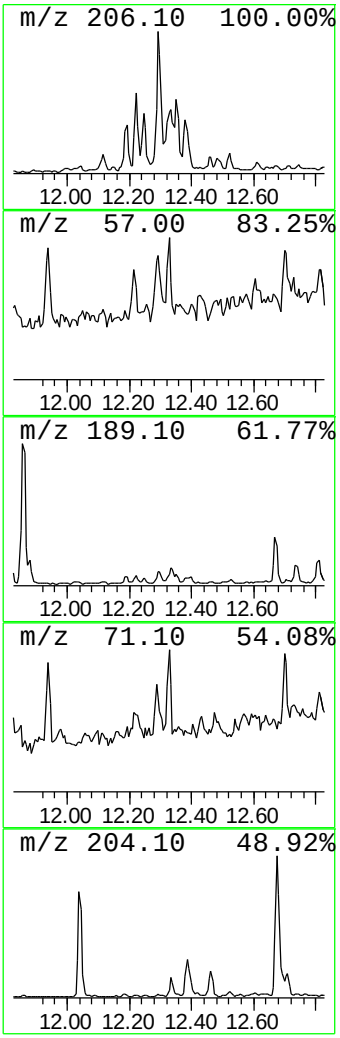
Peak Number 15 unknown12.33 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.33	3.12 ng	157223	Phenanthrene-d10	11.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	38
2	2,3-Bis(bromomethyl)phenanthrene	362	C16H12Br2	1000261-29-6	35
3	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	35
4	1,3-Butadiene, 1,4-diphenyl-, (E...	206	C16H14	000538-81-8	30
5	1,4-Diphenyl-1,3-butadiene	206	C16H14	000886-65-7	25





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Operator : SJ/JU
Sample : J1257-07
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-14(0-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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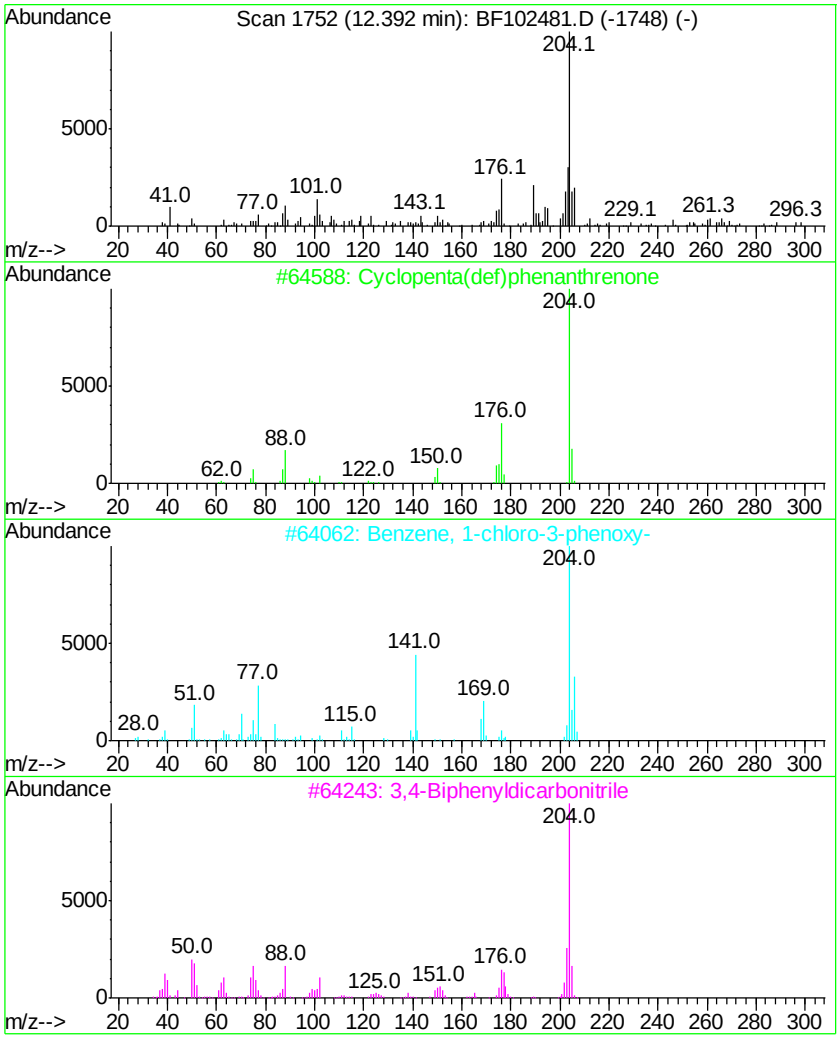
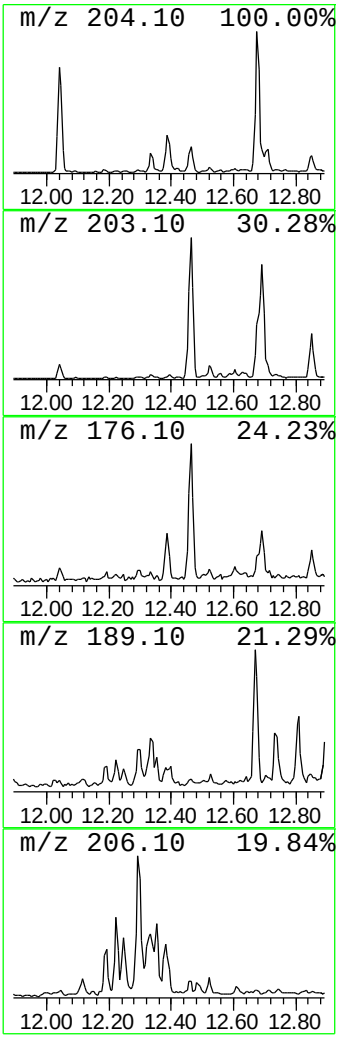
Peak Number 16 Cyclopenta(def)phenanthrenone Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.39	2.95 ng	148448	Phenanthrene-d10	11.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	90
2	Benzene, 1-chloro-3-phenoxy-	204	C12H9ClO	006452-49-9	52
3	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	49
4	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	47
5	6-Cyanophenanthridine	204	C14H8N2	002176-28-5	47





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Operator : SJ/JU
Sample : J1257-07
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-14(0-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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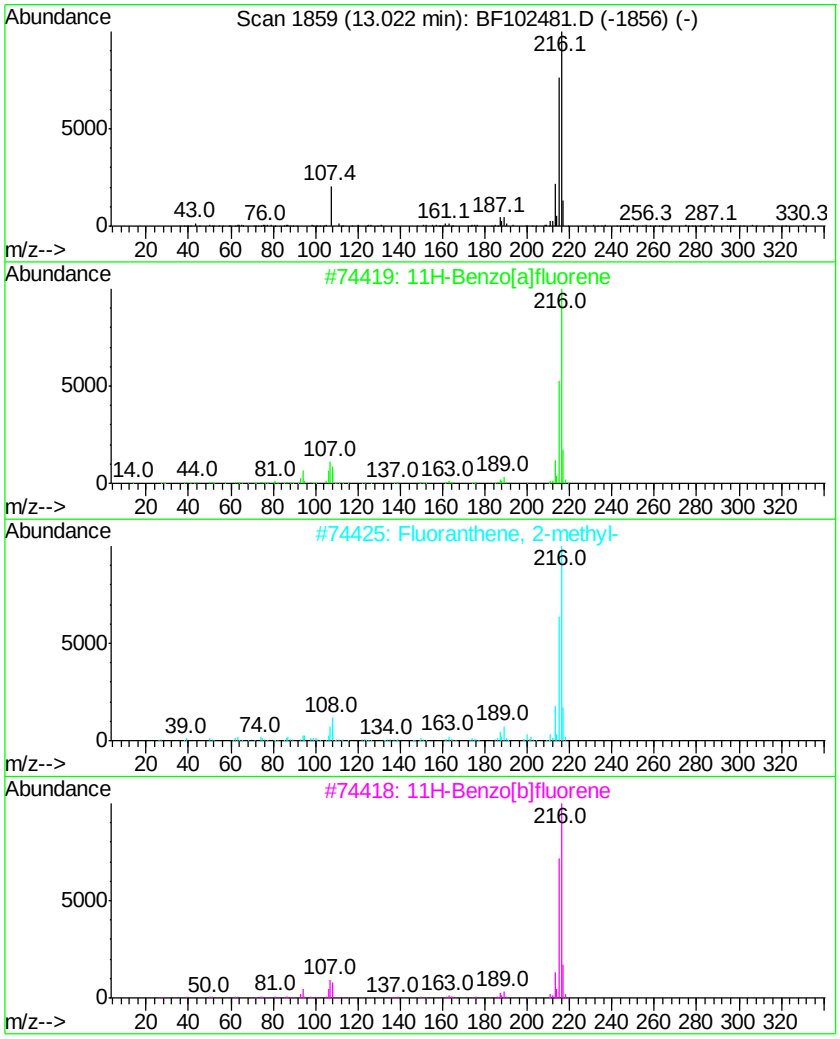
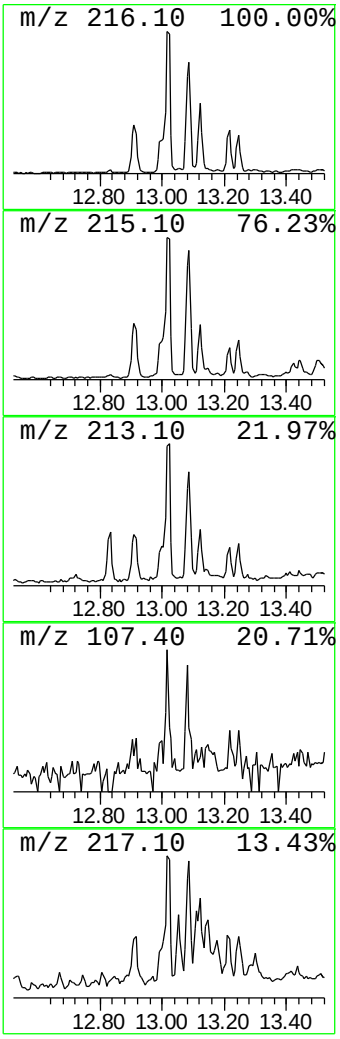
Peak Number 17 11H-Benzo[a]fluorene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.02	3.88 ng	342328	Chrysene-d12	13.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	80
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	72
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	59





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Acq On : 26 Jan 2018 20:56
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Sample : J1257-07
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-14(0-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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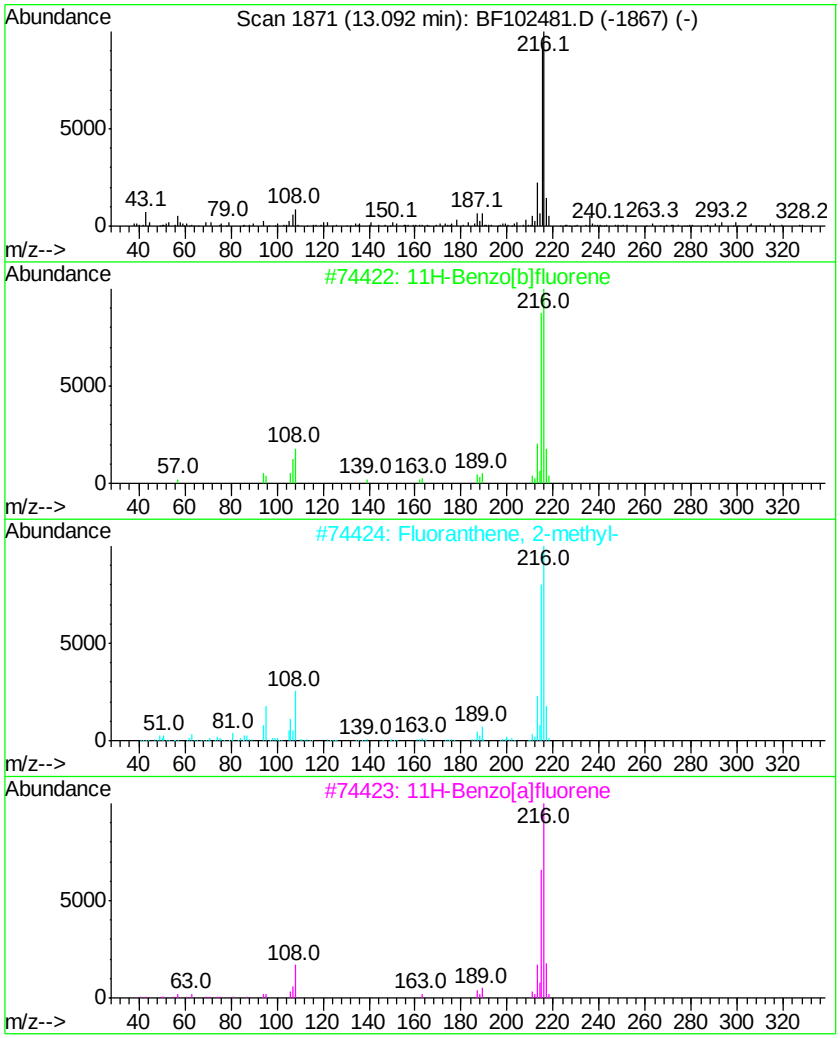
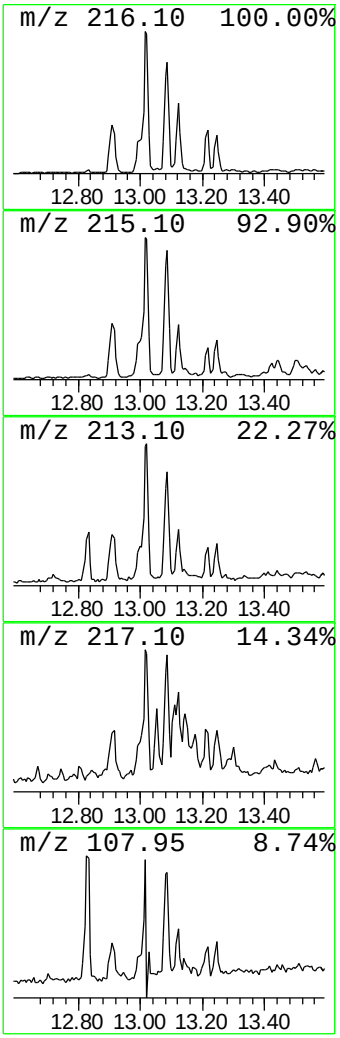
Peak Number 18 11H-Benzo[b]fluorene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.09	3.17 ng	279418	Chrysene-d12	13.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	94
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	92
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	83





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Operator : SJ/JU
Sample : J1257-07
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-14(0-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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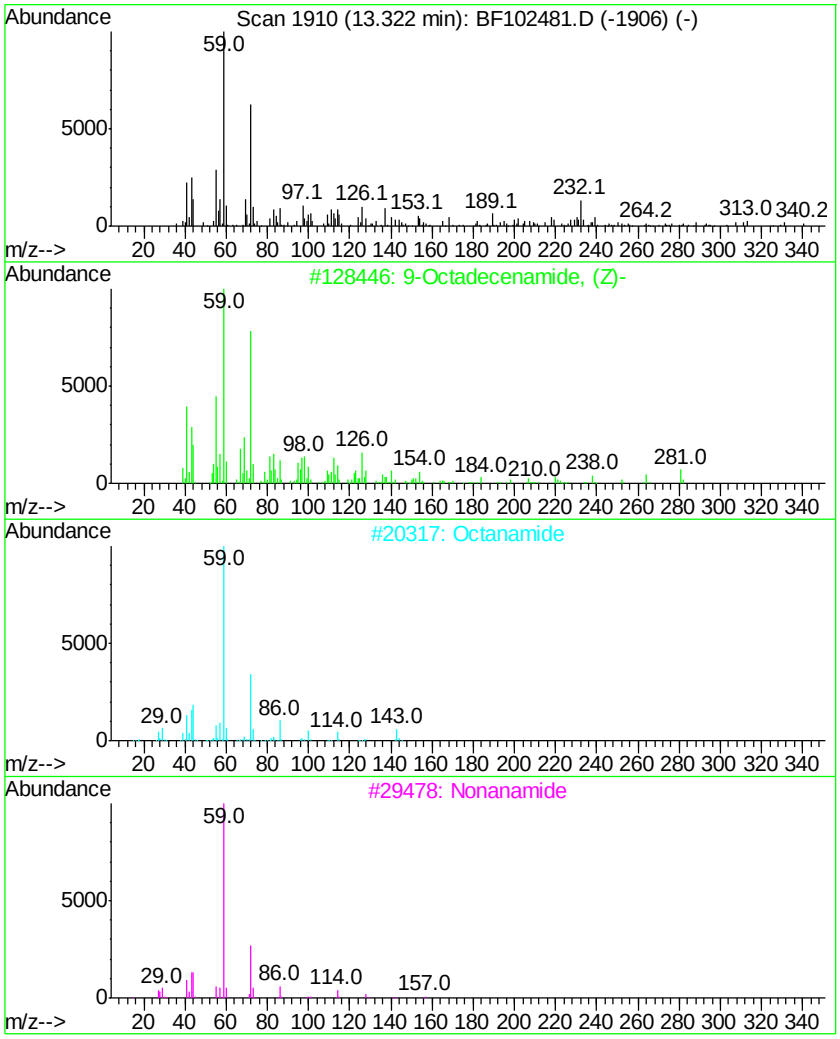
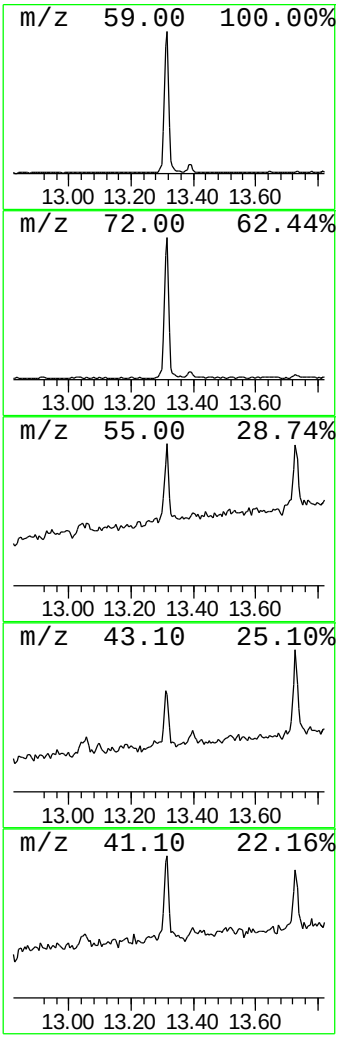
Peak Number 19 9-Octadecenamide, (Z)- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.32	5.15 ng	454565	Chrysene-d12	13.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Octadecenamide, (Z)-	281	C18H35NO	000301-02-0	91
2	Octanamide	143	C8H17NO	000629-01-6	64
3	Nonanamide	157	C9H19NO	001120-07-6	53
4	Pentadecanamide, 15-bromo-	319	C15H30BrNO	1000163-86-1	53
5	Silane, hexyl-	116	C6H16Si	001072-14-6	47





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Operator : SJ/JU
Sample : J1257-07
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-14(0-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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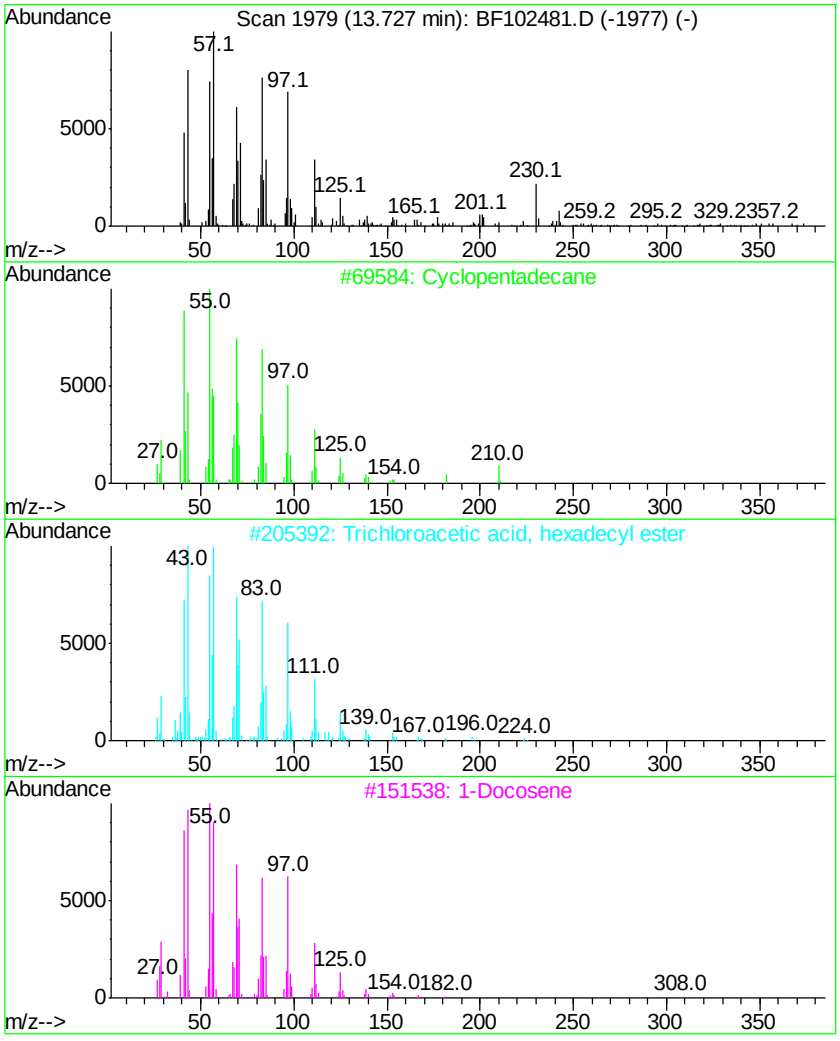
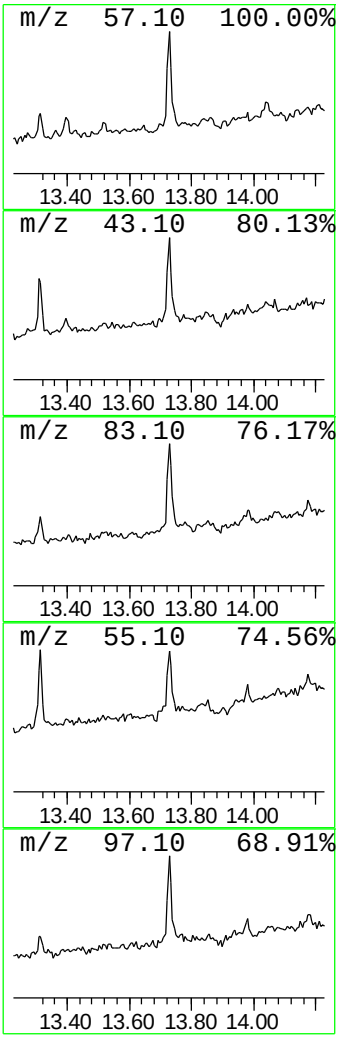
Peak Number 20 Cyclopentadecane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.73	5.26 ng	464142	Chrysene-d12	13.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentadecane	210	C15H30	000295-48-7	97
2	Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	91
3	1-Docosene	308	C22H44	001599-67-3	90
4	Trifluoroacetoxy hexadecane	338	C18H33F3O2	006222-03-3	87
5	1-Heneicosyl formate	340	C22H44O2	077899-03-7	87





Tentatively Identified Compound (LSC) summary

Data Path : U:\HPCHEM1\BNA_F\DATA\BF012618\
Data File : BF102481.D
Acq On : 26 Jan 2018 20:56
Operator : SJ/JU
Sample : J1257-07
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-14(0-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
unknown6.49	6.49	71.7	ng	3701160	1	6.72	1031770	20.0
Benzophenone	10.47	3.9	ng	245982	3	9.76	1253730	20.0
Dodecane	10.67	4.4	ng	222464	4	11.25	1006430	20.0
9H-Fluorene, 3-me...	10.85	2.8	ng	142569	4	11.25	1006430	20.0
Anthracene, 1,2,3...	11.10	3.8	ng	191321	4	11.25	1006430	20.0
Dibenzothiophene	11.14	3.7	ng	188022	4	11.25	1006430	20.0
Anthracene, 2-met...	11.75	5.7	ng	285813	4	11.25	1006430	20.0
Anthracene, 9-met...	11.77	7.6	ng	380922	4	11.25	1006430	20.0
4H-Cyclopenta[def...	11.86	10.8	ng	542222	4	11.25	1006430	20.0
9,10-di(Chloromet...	12.04	3.1	ng	154550	4	11.25	1006430	20.0
9,10-Anthracenedione	12.07	3.5	ng	174404	4	11.25	1006430	20.0
Phenanthrene, 2,3...	12.29	4.9	ng	247881	4	11.25	1006430	20.0
unknown12.33	12.33	3.1	ng	157223	4	11.25	1006430	20.0
Cyclopenta(def)ph...	12.39	3.0	ng	148448	4	11.25	1006430	20.0
11H-Benzo[a]fluorene	13.02	3.9	ng	342328	5	13.89	1763920	20.0
11H-Benzo[b]fluorene	13.09	3.2	ng	279418	5	13.89	1763920	20.0
9-Octadecenamide,...	13.32	5.2	ng	454565	5	13.89	1763920	20.0
Cyclopentadecane	13.73	5.3	ng	464142	5	13.89	1763920	20.0