LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070218\
Data File : BF107061.D
Acq On : 3 Jul 2018 00:16
Operator : JU/SJ
Sample : J3638-01DL 4X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P-1DL

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:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.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	5.178	480	483	498	rVB	26786	31092	2.66%	0.195%
2	5.596	551	554	569	rBV	455003	462263	39.61%	2.895%
3	5.796	585	588	595	rVB	45177	38132	3.27%	0.239%
4	6.601	722	725	744	rBV	422015	489284	41.92%	3.065%
5	6.731	744	747	752	rBV	525414	487290	41.75%	3.052%
6	6.954	782	785	789	rBV	494800	391376	33.53%	2.451%
7	7.107	808	811	815	rBV	427374	398314	34.13%	2.495%
8	7.519	877	881	891	rBV	283456	272356	23.34%	1.706%
9	8.237	1000	1003	1014	rBV	482483	499603	42.81%	3.129%
10	8.954	1122	1125	1127	rBV	14252	15376	1.32%	0.096%
11	9.054	1140	1142	1146	rVB2	13328	14148	1.21%	0.089%
12	9.236	1166	1173	1175	rBV2	22424	30880	2.65%	0.193%
13	9.307	1182	1185	1194	rBV	591174	575229	49.29%	3.603%
14	9.378	1194	1197	1201	rVB2	33604	41562	3.56%	0.260%
15	9.584	1229	1232	1236	rVB3	12422	15514	1.33%	0.097%
16	9.654	1241	1244	1247	rVV2	21533	23818	2.04%	0.149%
17	9.695	1247	1251	1258	rVB2	67749	106820	9.15%	0.669%
18	9.860	1275	1279	1283	rBV	47355	65720	5.63%	0.412%
19	9.901	1283	1286	1289	rVB2	51827	47783	4.09%	0.299%
20	9.948	1291	1294	1296	rBV3	14856	17383	1.49%	0.109%
21	9.972	1296	1298	1299	rVV	21458	18402	1.58%	0.115%
22	10.001	1299	1303	1306	rVV	517435	484144	41.48%	3.033%
23	10.031	1306	1308	1311	rVB	76076	63756	5.46%	0.399%
24	10.207	1333	1338	1341	rBV2	26747	39440	3.38%	0.247%
25	10.313	1353	1356	1359	rBV2	25640	42243	3.62%	0.265%
26	10.401	1368	1371	1374	rBV2	61835	60053	5.15%	0.376%
27	10.548	1393	1396	1402	rVB	59295	60662	5.20%	0.380%
28	10.625	1405	1409	1412	rBV2	40757	57923	4.96%	0.363%
29	10.707	1421	1423	1426	rVB2	19792	16807	1.44%	0.105%
30	10.795	1434	1438	1449	rBV	297001	323158	27.69%	2.024%
31	10.889	1449	1454	1458	rBV3	72942	113241	9.70%	0.709%
32	11.125	1492	1494	1499	rBV4	35283	48632	4.17%	0.305%
33	11.301	1522	1524	1526	rVB	29682	20440	1.75%	0.128%
34	11.330	1526	1529	1531	rVV2	37578	39735	3.40%	0.249%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070218\
Data File : BF107061.D
Acq On : 3 Jul 2018 00:16
Operator : JU/SJ
Sample : J3638-01DL 4X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P-1DL

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:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.354	1531	1533	1537	rVV2	50210	56633	4.85%	0.355%
36	11.389	1537	1539	1544	rVB	47158	44910	3.85%	0.281%
37	11.495	1553	1557	1559	rBV	517904	469443	40.22%	2.940%
38	11.519	1559	1561	1565	rVB	704694	576131	49.36%	3.609%
39	11.572	1567	1570	1573	rVV	139928	115916	9.93%	0.726%
40	11.730	1595	1597	1599	rVB	62406	44398	3.80%	0.278%
41	11.754	1599	1601	1604	rVB2	45734	40914	3.51%	0.256%
42	11.783	1604	1606	1611	rBV2	22499	28676	2.46%	0.180%
43	11.825	1611	1613	1619	rVB4	34053	38146	3.27%	0.239%
44	11.995	1639	1642	1645	rBV	101132	93700	8.03%	0.587%
45	12.025	1645	1647	1651	rVB	130765	102953	8.82%	0.645%
46	12.072	1653	1655	1658	rVB	42066	38584	3.31%	0.242%
47	12.113	1658	1662	1664	rBV2	163233	172908	14.81%	1.083%
48	12.289	1689	1692	1695	rBV	77500	76774	6.58%	0.481%
49	12.325	1696	1698	1702	rVB	90866	90860	7.78%	0.569%
50	12.472	1721	1723	1725	rBV	31419	22778	1.95%	0.143%
51	12.548	1733	1736	1739	rBV2	90913	100030	8.57%	0.627%
52	12.642	1749	1752	1755	rBV2	78345	87865	7.53%	0.550%
53	12.719	1761	1765	1768	rBV	1261498	1167120	100.00%	7.311%
54	12.748	1768	1770	1772	rVB3	31579	27657	2.37%	0.173%
55	12.930	1797	1801	1802	rBV2	243205	260963	22.36%	1.635%
56	12.954	1802	1805	1809	rVV	1112708	1067830	91.49%	6.689%
57	12.995	1809	1812	1815	rVB	67494	76735	6.57%	0.481%
58	13.077	1822	1826	1829	rVV	610483	542426	46.48%	3.398%
59	13.107	1829	1831	1836	rVB	66818	65014	5.57%	0.407%
60	13.272	1857	1859	1863	rVB	150402	152508	13.07%	0.955%
61	13.342	1868	1871	1873	rVV	89243	74180	6.36%	0.465%
62	13.472	1891	1893	1896	rBV	76074	70599	6.05%	0.442%
63	13.507	1896	1899	1901	rVV	82179	81637	6.99%	0.511%
64	13.789	1944	1947	1951	rVB	135904	125872	10.78%	0.788%
65	13.895	1963	1965	1968	rBV	95202	91786	7.86%	0.575%
66	13.924	1968	1970	1972	rVV	107167	77826	6.67%	0.487%
67	13.954	1972	1975	1980	rVV2	134255	189748	16.26%	1.189%
68	14.001	1980	1983	1986	rVB	117296	106779	9.15%	0.669%
69	14.095	1997	1999	2001	rVB	76256	56527	4.84%	0.354%
70	14.148	2004	2008	2011	rVV2	701173	1069400	91.63%	6.698%
71	14.183	2011	2014	2017	rVB	541132	508660	43.58%	3.186%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070218\
Data File : BF107061.D
Acq On : 3 Jul 2018 00:16
Operator : JU/SJ
Sample : J3638-01DL 4X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P-1DL

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:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	14.260	2025	2027	2032	rBV	125951	135167	11.58%	0.847%
73	15.242	2190	2194	2197	rBV	433813	660743	56.61%	4.139%
74	15.354	2211	2213	2217	rVB	104841	108195	9.27%	0.678%
75	15.571	2246	2250	2255	rVB	245283	310962	26.64%	1.948%
76	15.636	2257	2261	2268	rVB	347822	438863	37.60%	2.749%
77	15.701	2268	2272	2275	rBV	210243	260283	22.30%	1.630%
78	17.295	2537	2543	2550	rVB	178376	361759	31.00%	2.266%
79	17.783	2621	2626	2634	rVB	121655	261454	22.40%	1.638%

Sum of corrected areas: 15964891

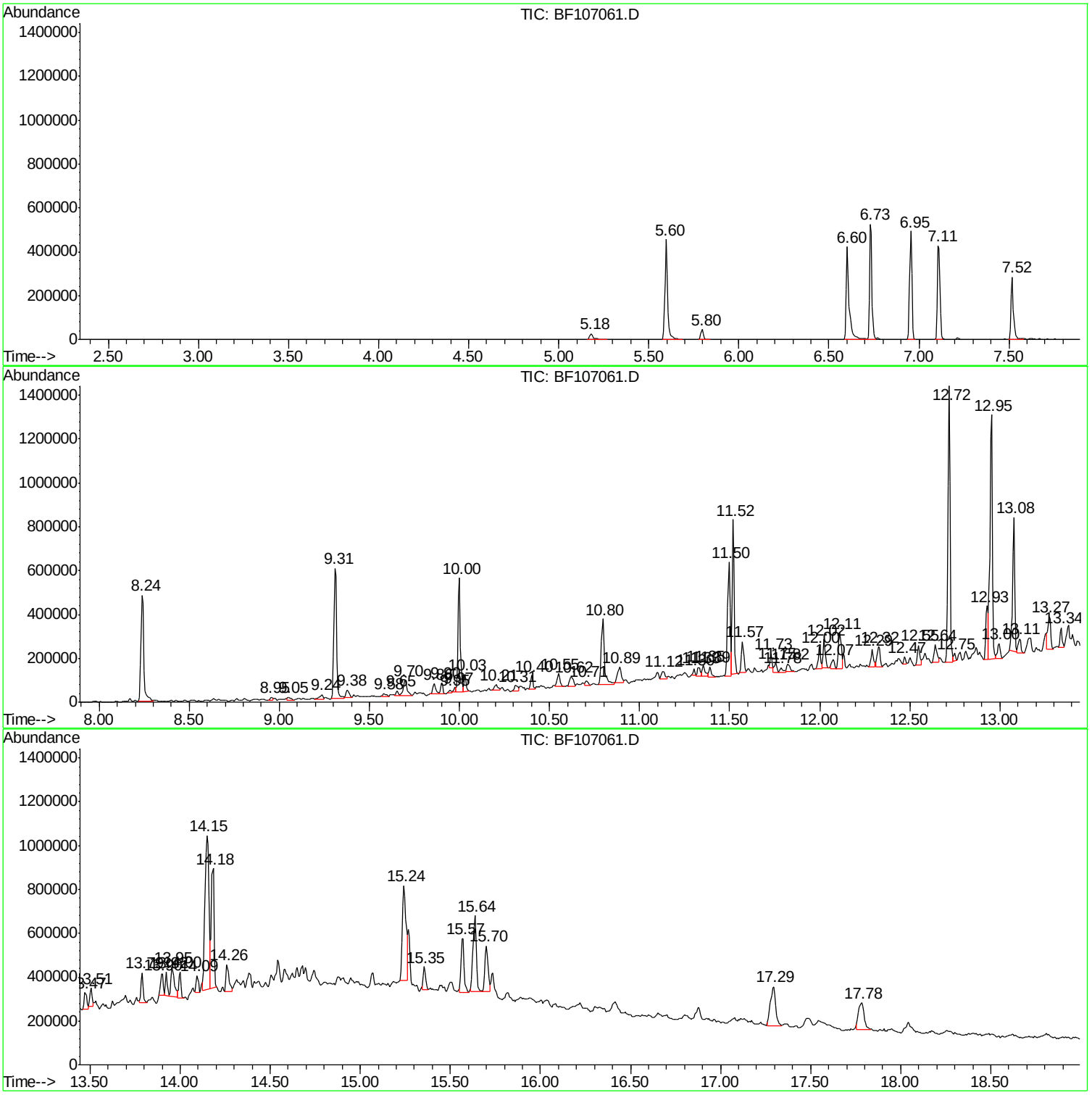
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070218\
Data File : BF107061.D
Acq On : 3 Jul 2018 00:16
Operator : JU/SJ
Sample : J3638-01DL 4X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P-1DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070218\
Data File : BF107061.D
Acq On : 3 Jul 2018 00:16
Operator : JU/SJ
Sample : J3638-01DL 4X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P-1DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.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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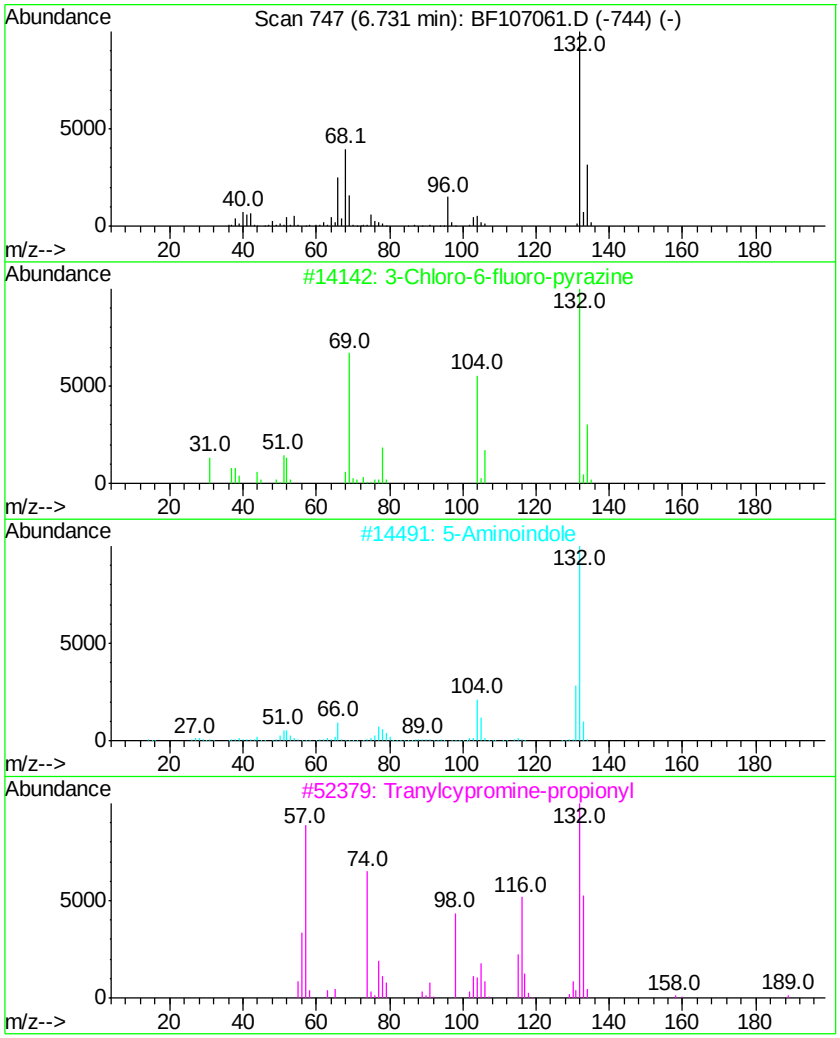
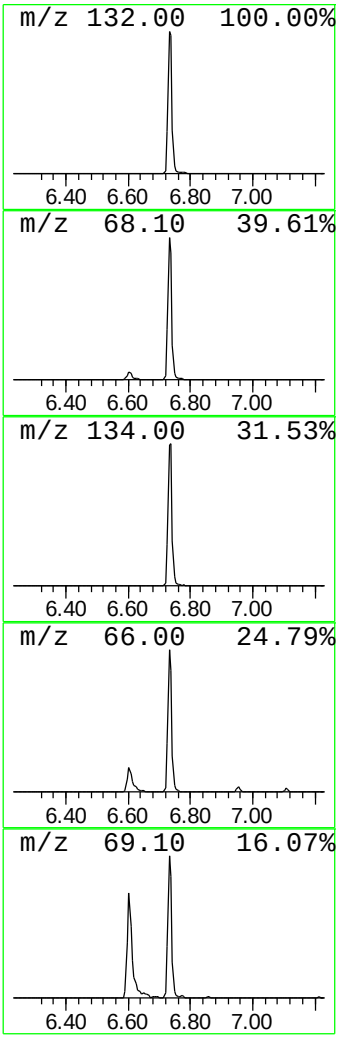
Peak Number 1 unknown6.73 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.73	24.90 ng	487290	1,4-Dichlorobenzene-d4	6.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16
2	5-Aminoindole	132	C8H8N2	005192-03-0	10
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9
5	4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070218\
Data File : BF107061.D
Acq On : 3 Jul 2018 00:16
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Sample : J3638-01DL 4X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P-1DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.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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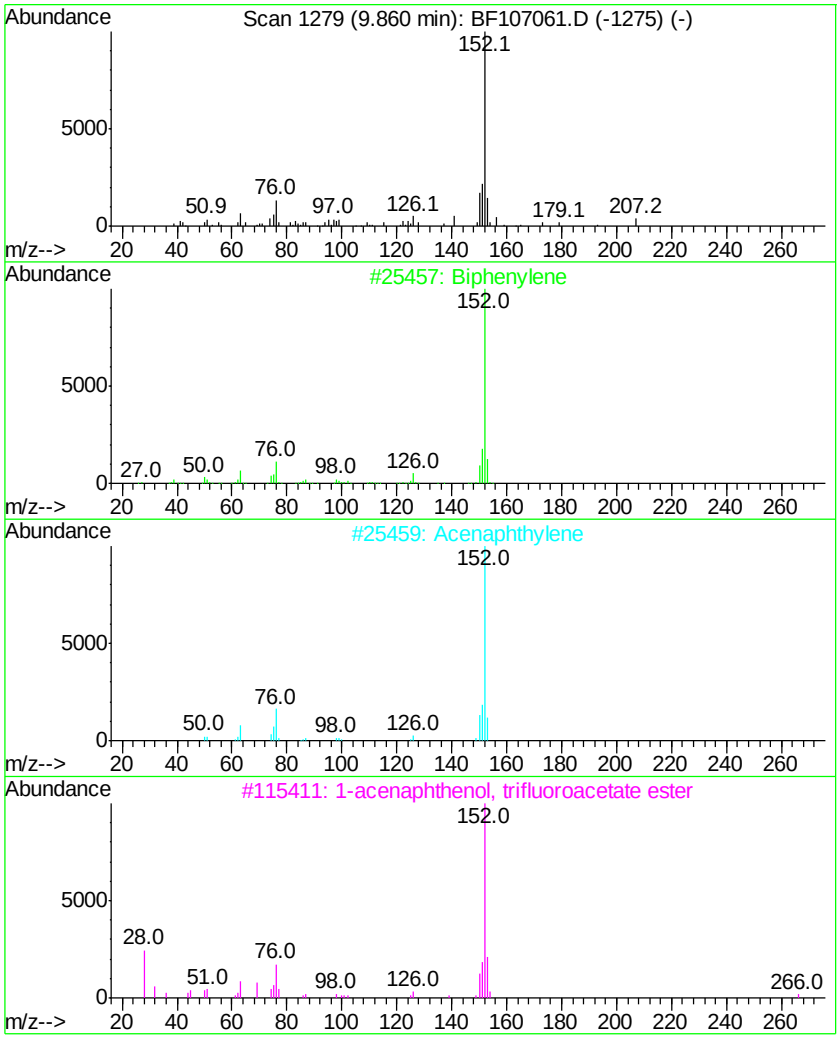
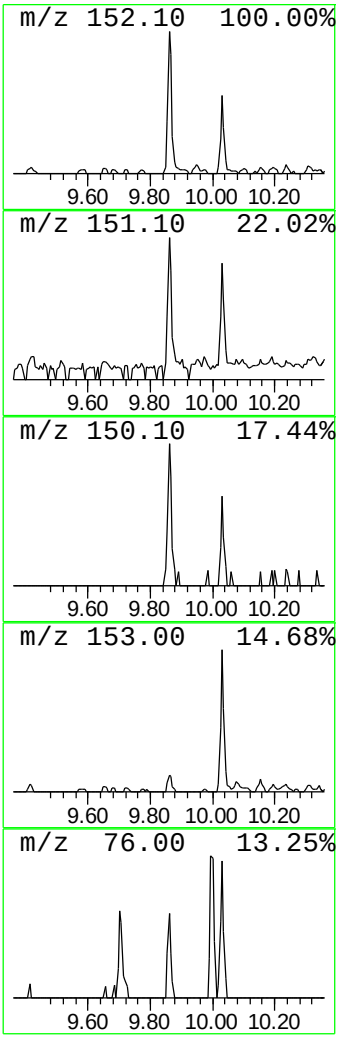
Peak Number 3 Biphenylene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.86	2.71 ng	65720	Acenaphthene-d10	10.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Biphenylene	152	C12H8	000259-79-0	93
2	Acenaphthylene	152	C12H8	000208-96-8	81
3	1-acenaphthenol, trifluoroacetat...	266	C14H9F3O2	1000376-45-2	64
4	(6Balpha,7beta,11alpha,11aalpha)...	334	C25H18O	1000241-69-8	64
5	5,6-Dihydro-4-methylthieno(2,3-d...	152	C7H8N2S	092204-06-3	53





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070218\
Data File : BF107061.D
Acq On : 3 Jul 2018 00:16
Operator : JU/SJ
Sample : J3638-01DL 4X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P-1DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.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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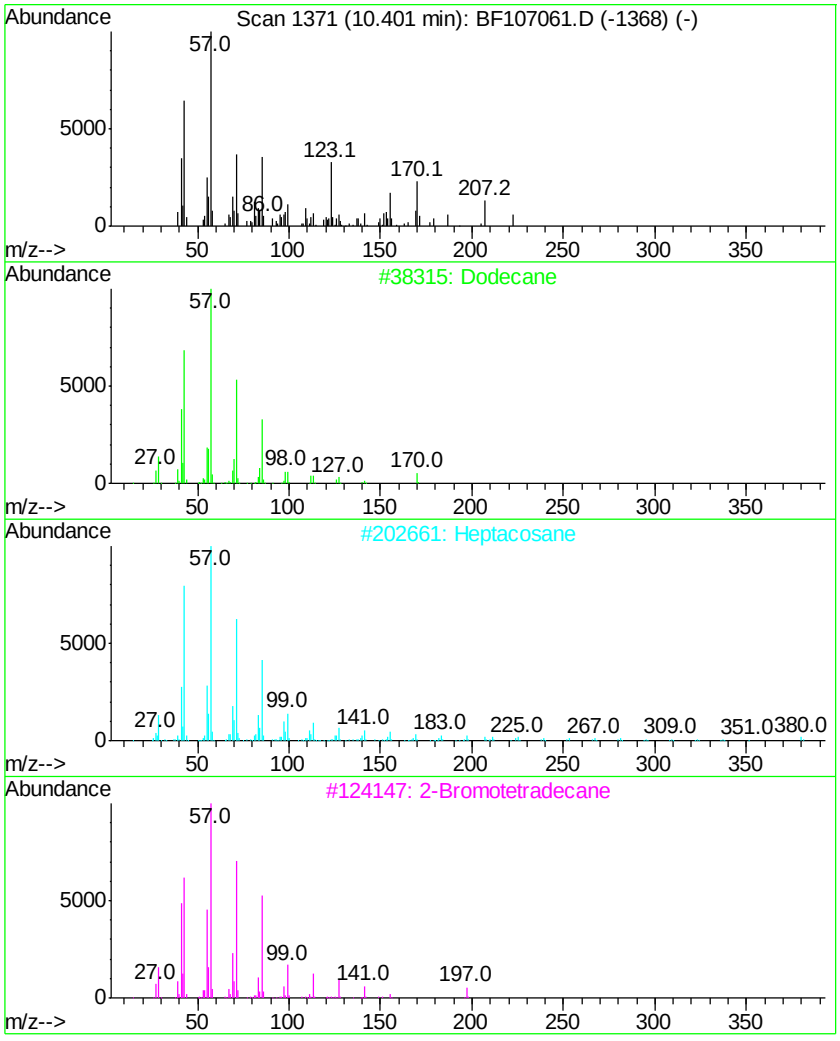
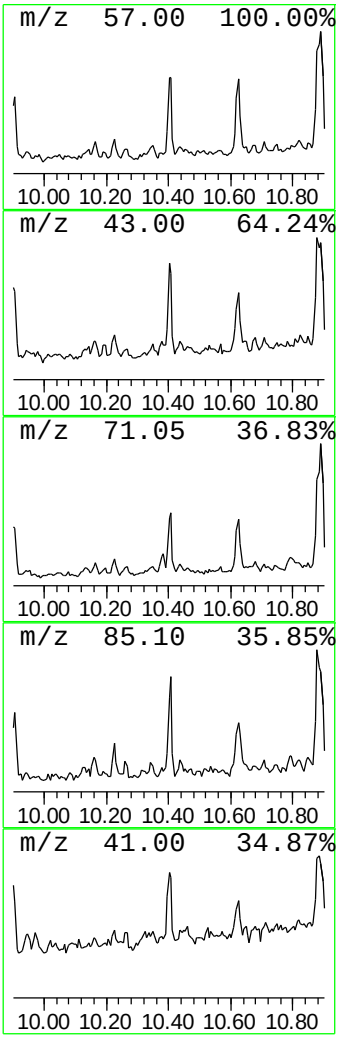
Peak Number 4 Dodecane Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.40	2.48 ng	60053	Acenaphthene-d10	10.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane	170	C12H26	000112-40-3	50
2	Heptacosane	380	C27H56	000593-49-7	30
3	2-Bromotetradecane	276	C14H29Br	074036-95-6	30
4	Pentadecane	212	C15H32	000629-62-9	30
5	Octacosane	394	C28H58	000630-02-4	27





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070218\
Data File : BF107061.D
Acq On : 3 Jul 2018 00:16
Operator : JU/SJ
Sample : J3638-01DL 4X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P-1DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.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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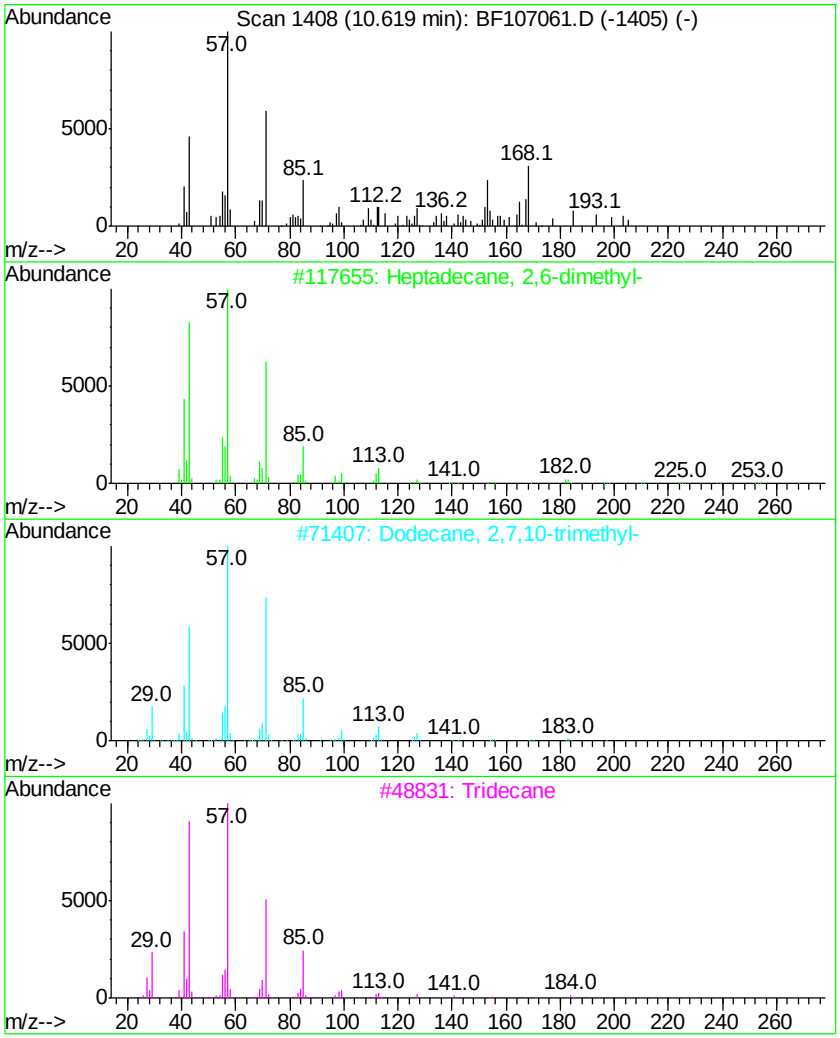
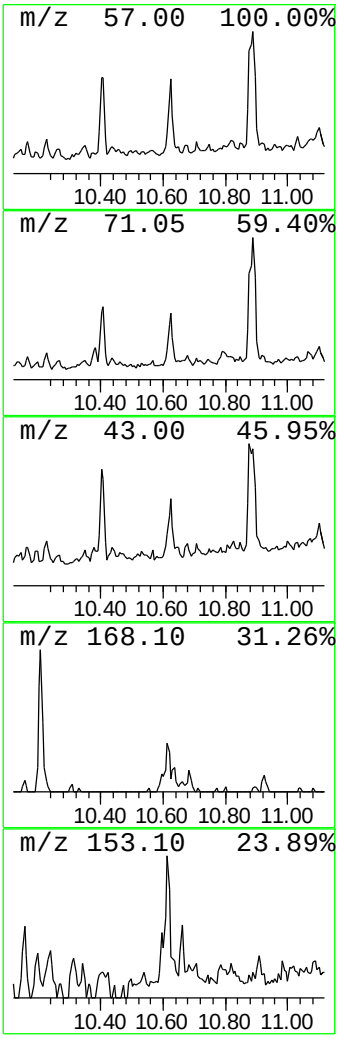
Peak Number 5 Heptadecane, 2,6-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.62	2.39 ng	57923	Acenaphthene-d10	10.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane, 2,6-dimethyl-	268	C19H40	054105-67-8	59
2	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	59
3	Tridecane	184	C13H28	000629-50-5	58
4	Hexadecane, 2,6,11,15-tetramethyl-	282	C20H42	000504-44-9	58
5	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	53





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070218\
Data File : BF107061.D
Acq On : 3 Jul 2018 00:16
Operator : JU/SJ
Sample : J3638-01DL 4X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P-1DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

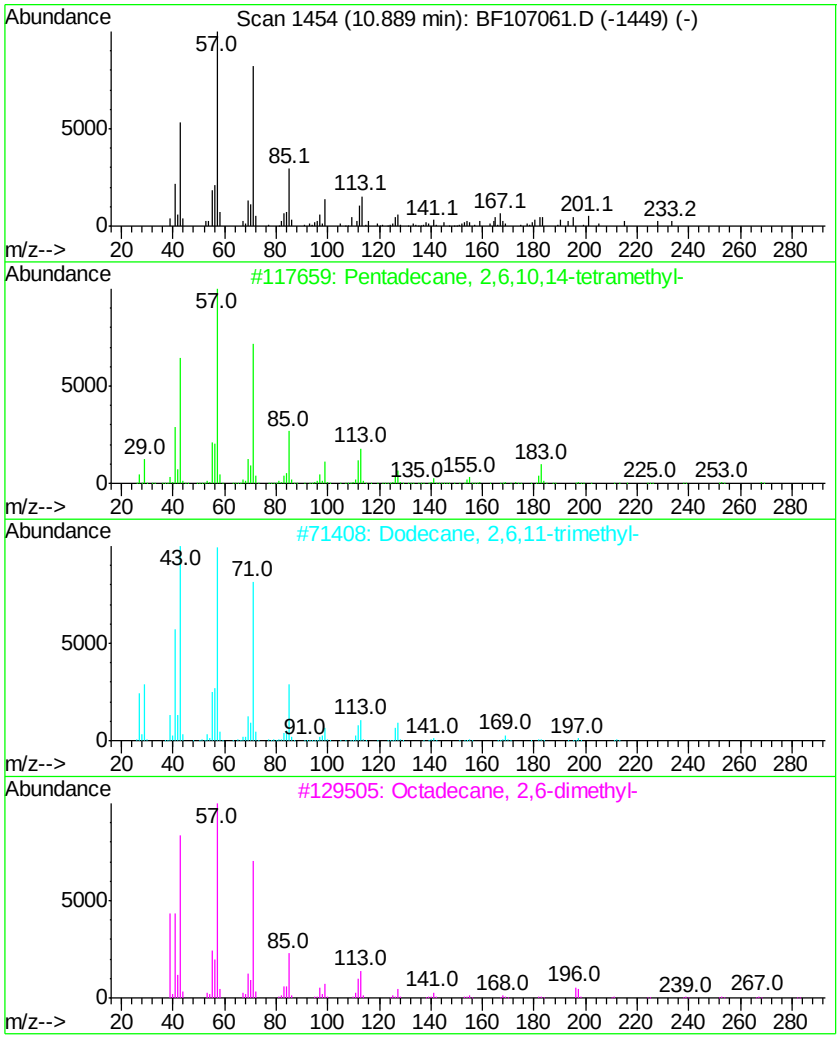
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

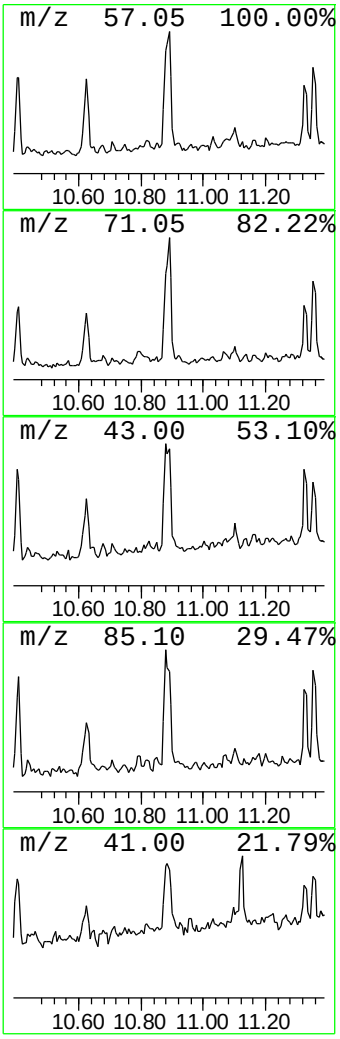
****

Peak Number 6 Pentadecane, 2,6,10,14-tetr... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.89	4.82 ng	113241	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	87
2	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	86
3	Octadecane, 2,6-dimethyl-	282	C20H42	075163-97-2	86
4	Hexadecane, 2,6,11,15-tetramethyl-	282	C20H42	000504-44-9	83
5	Tridecane, 5-propyl-	226	C16H34	055045-11-9	80





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070218\
Data File : BF107061.D
Acq On : 3 Jul 2018 00:16
Operator : JU/SJ
Sample : J3638-01DL 4X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P-1DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.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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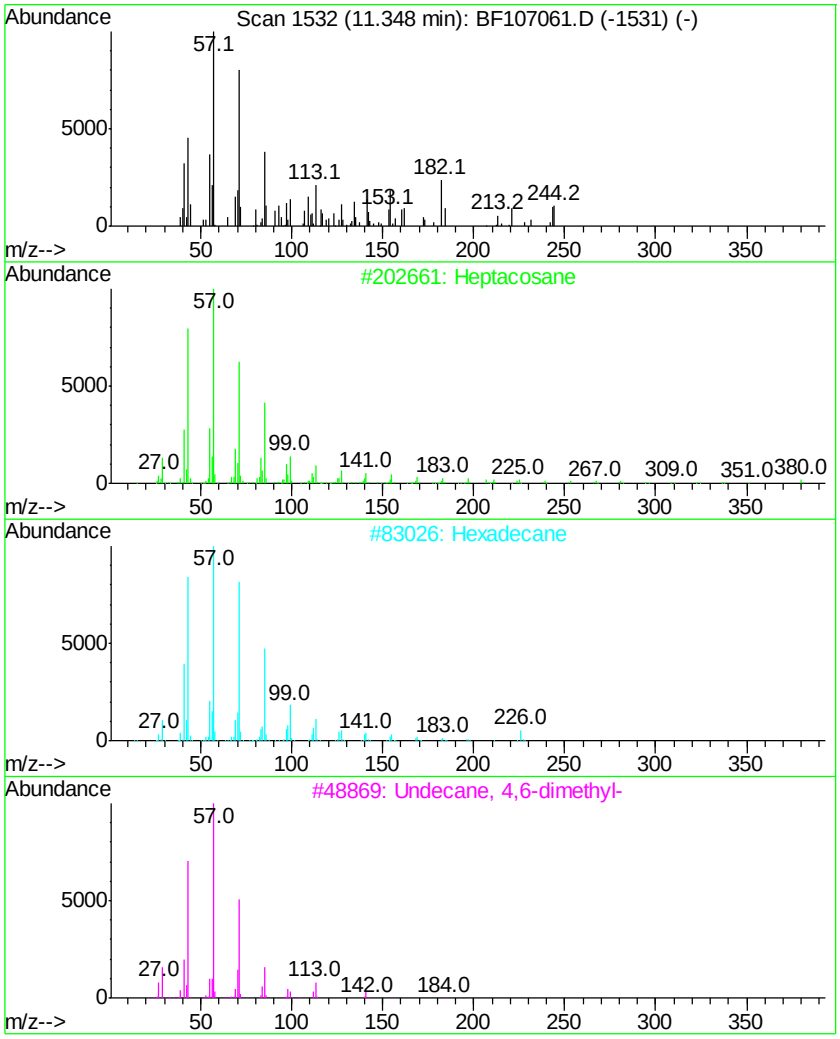
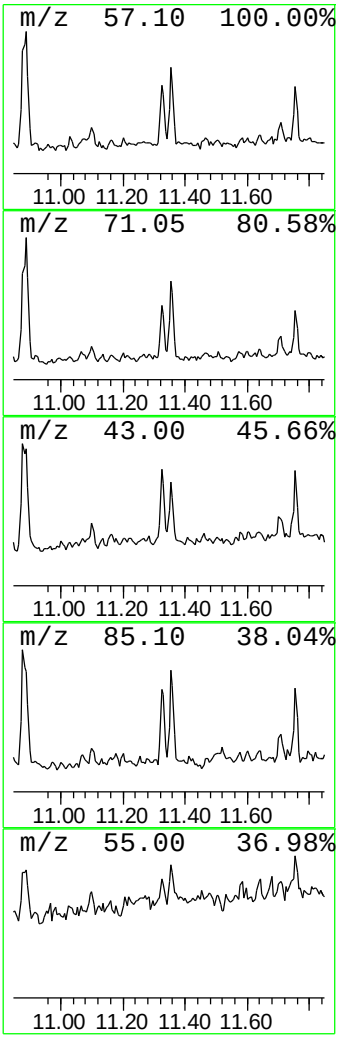
Peak Number 7 Heptacosane Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.35	2.41 ng	56633	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptacosane	380	C27H56	000593-49-7	72
2	Hexadecane	226	C16H34	000544-76-3	72
3	Undecane, 4,6-dimethyl-	184	C13H28	017312-82-2	72
4	Eicosane	282	C20H42	000112-95-8	72
5	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	72





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Acq On : 3 Jul 2018 00:16
Operator : JU/SJ
Sample : J3638-01DL 4X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P-1DL

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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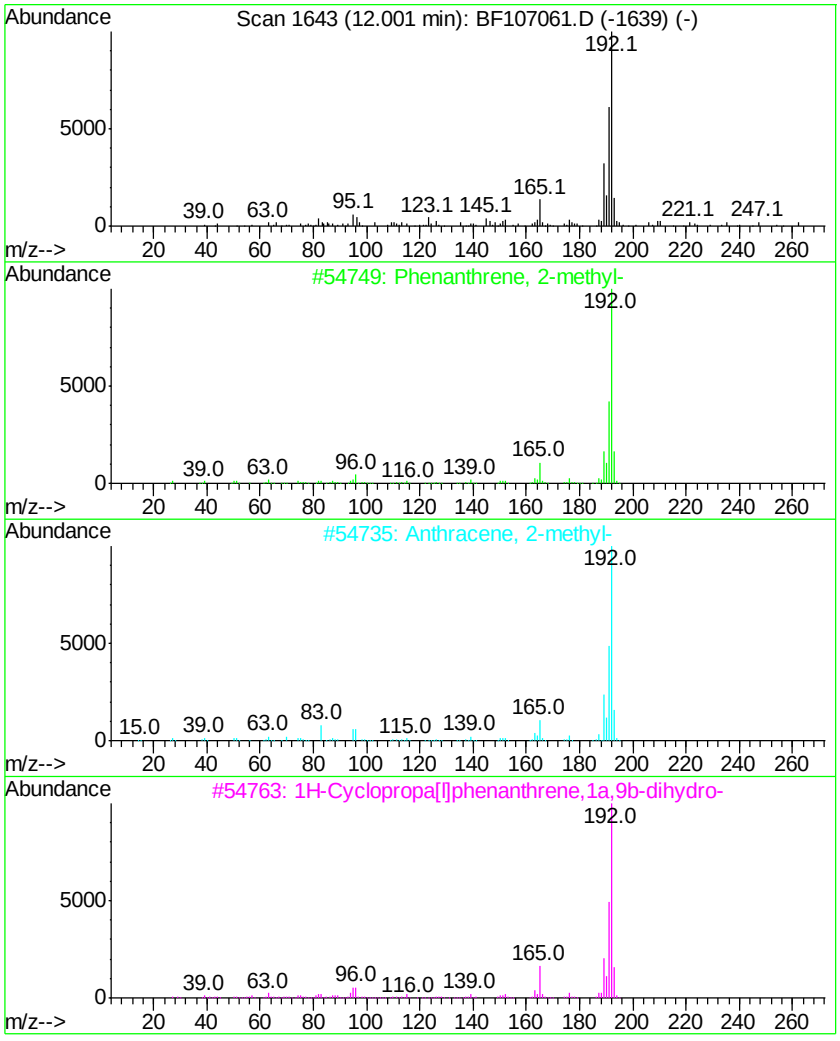
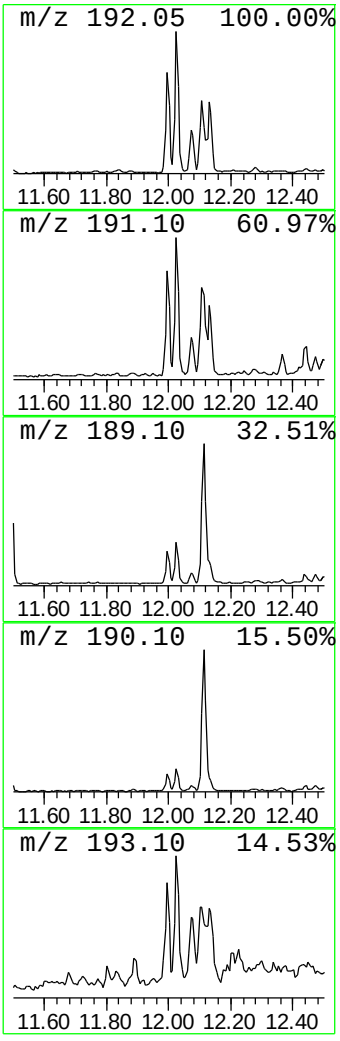
Peak Number 8 Phenanthrene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.00	3.99 ng	93700	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95





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Sample : J3638-01DL 4X
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Instrument : BNA_F
ClientSampleId : P-1DL

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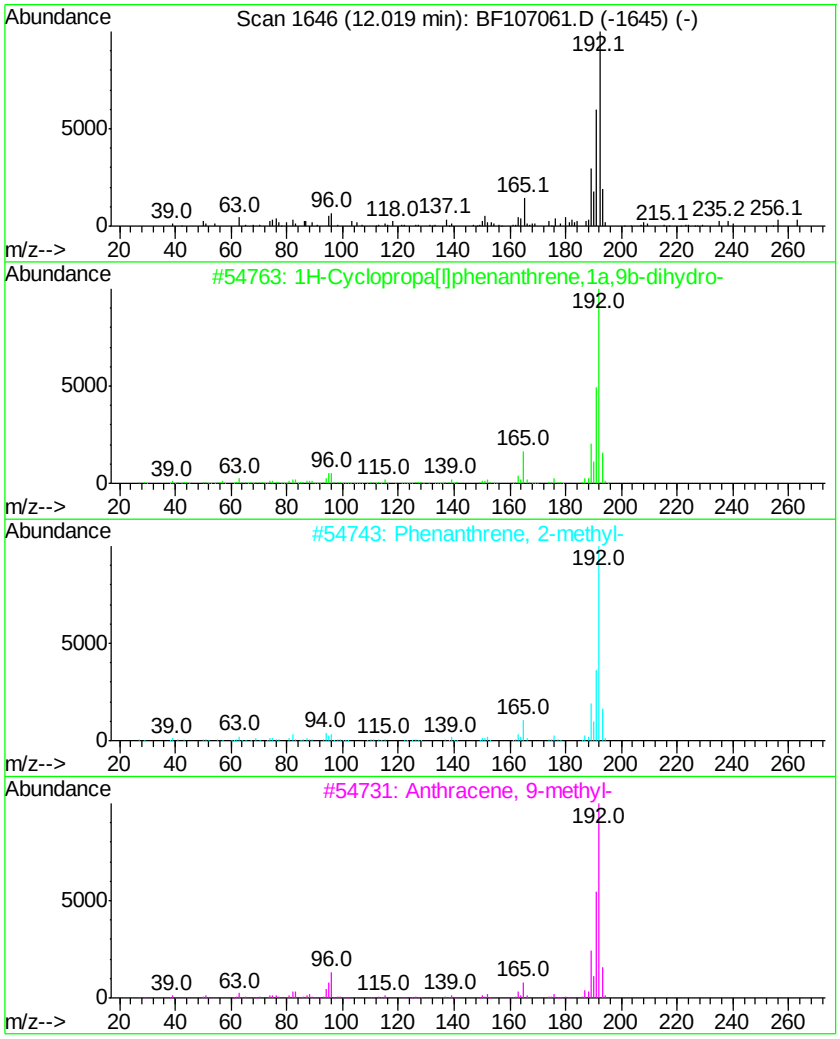
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

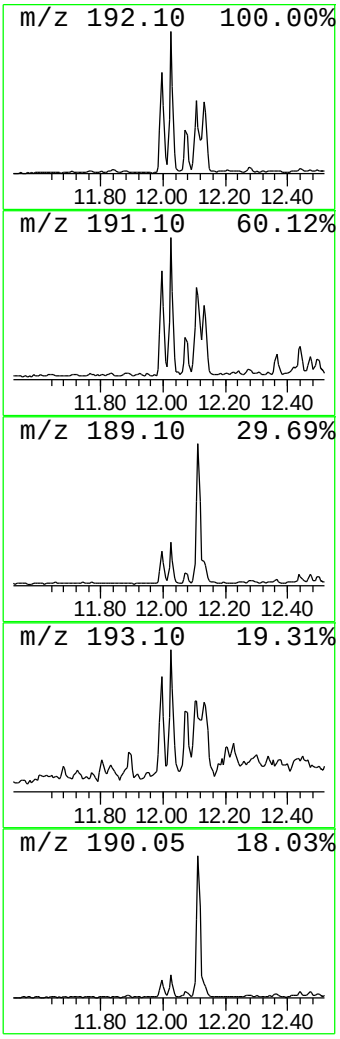
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 1H-Cyclopropa[l]phenanthren... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	4.39 ng	102953	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
4	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	94
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93





Library Search Compound Report

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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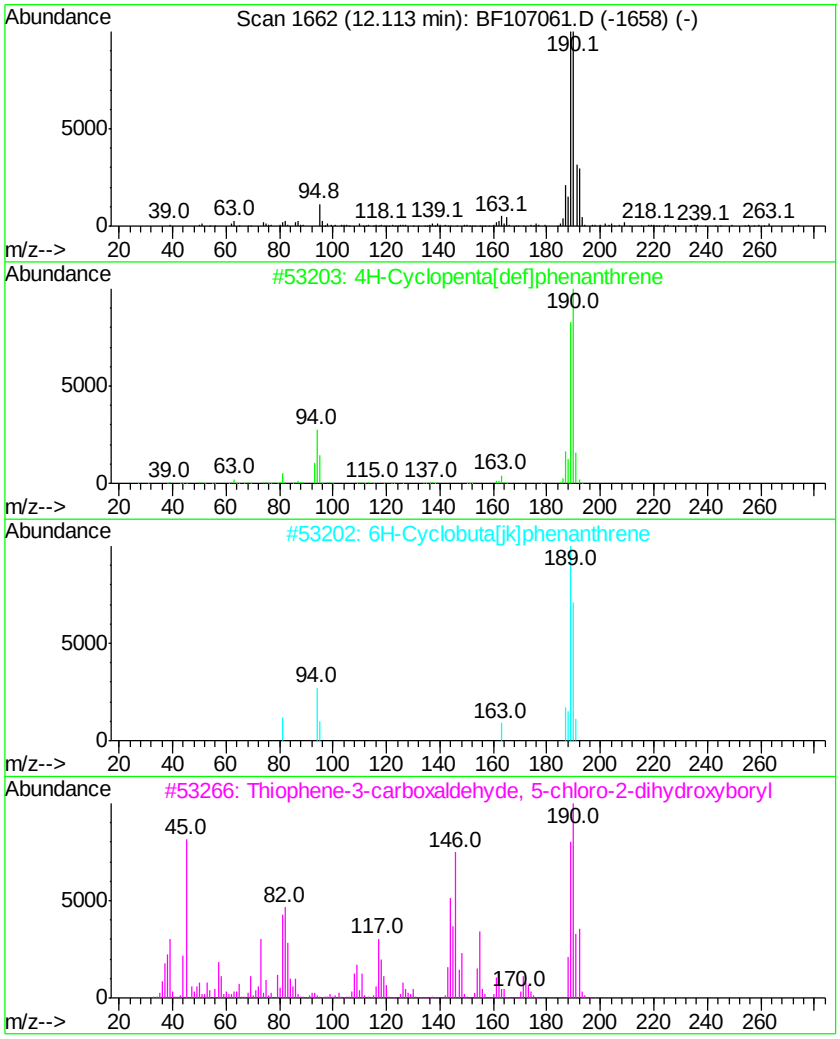
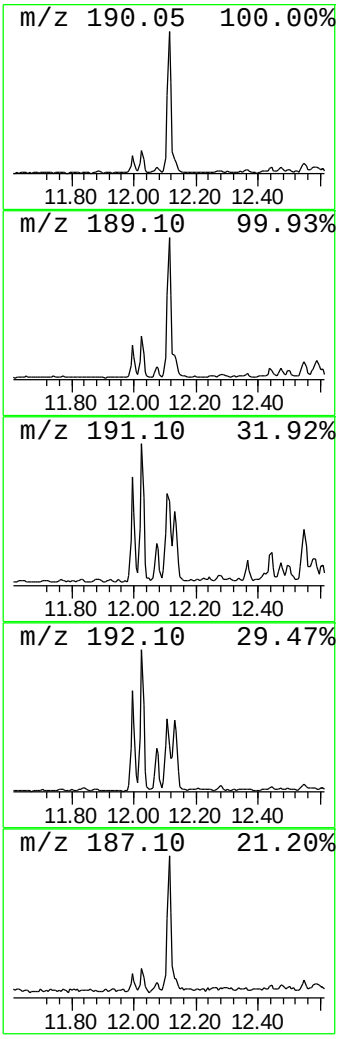
Peak Number 10 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.11	7.37 ng	172908	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	81
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	64
3	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	52
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	40





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ClientSampleId : P-1DL

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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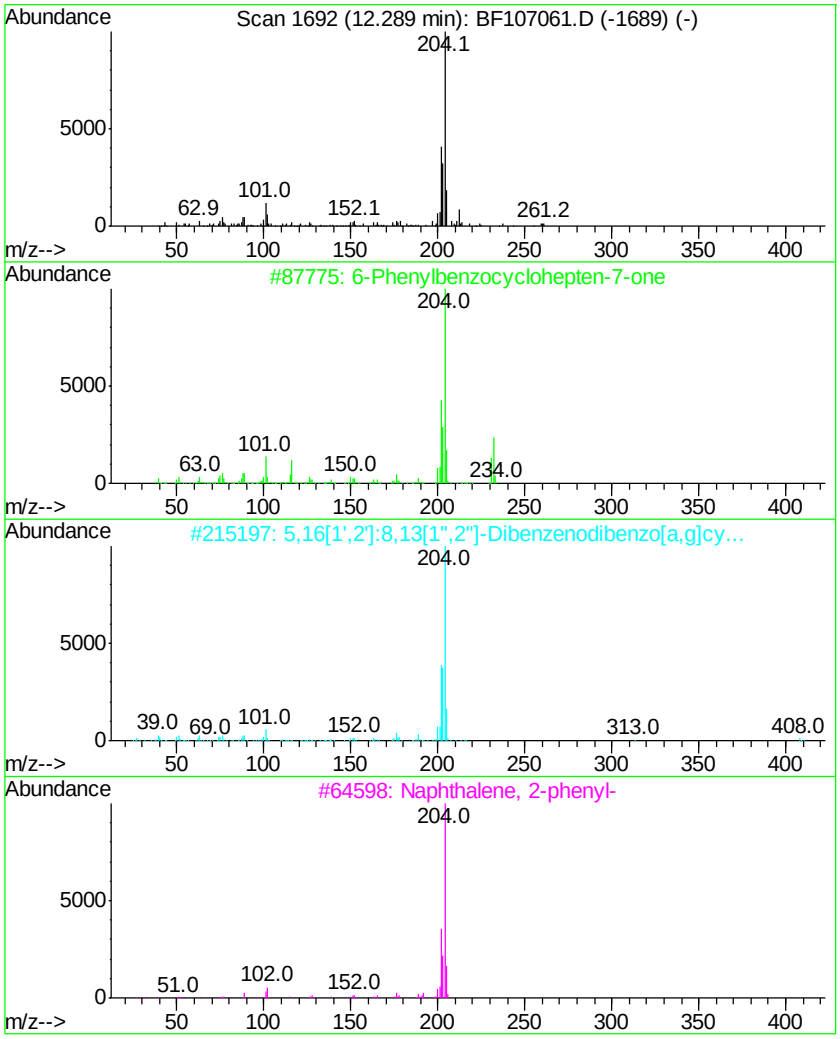
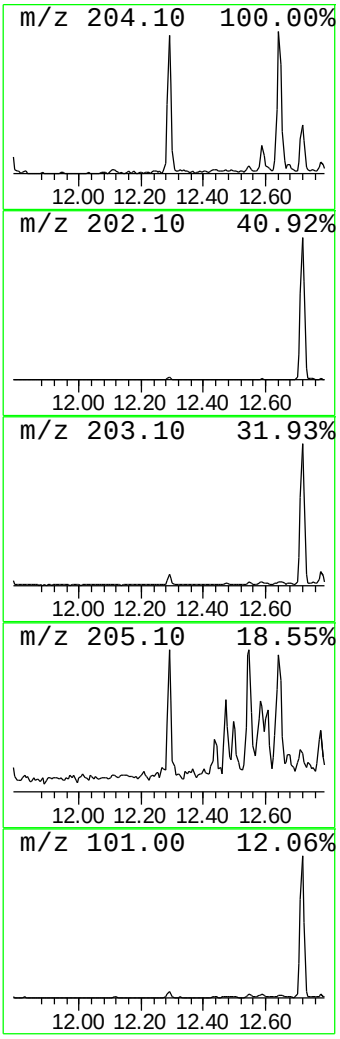
Peak Number 11 6-Phenylbenzocyclohepten-7-one Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.29	3.27 ng	76774	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	86
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	80
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	64
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	55





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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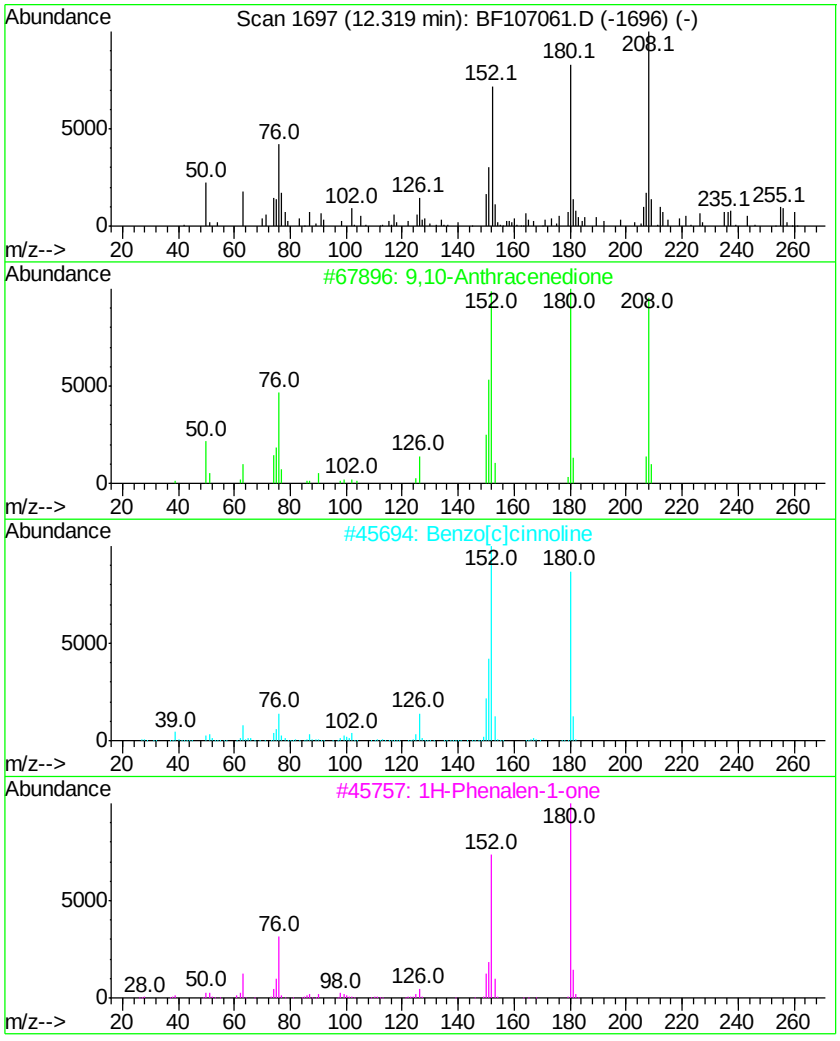
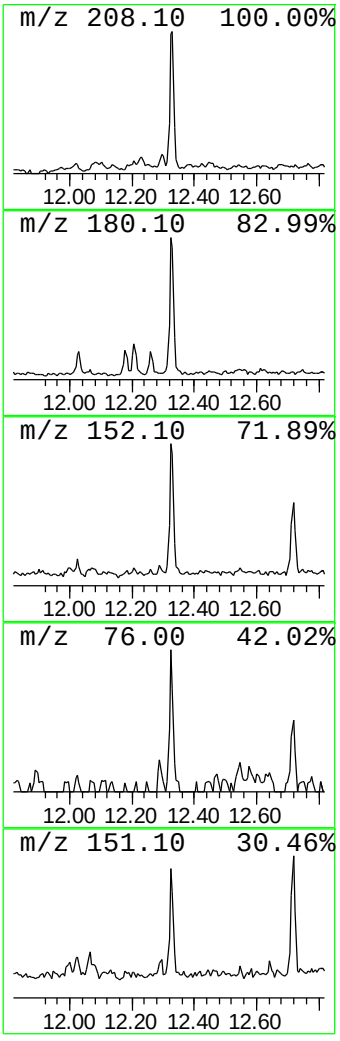
Peak Number 12 9,10-Anthracenedione Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.32	3.87 ng	90860	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	96
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	87
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	60
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	60
5	1,4-Anthracenedione	208	C14H8O2	000635-12-1	50





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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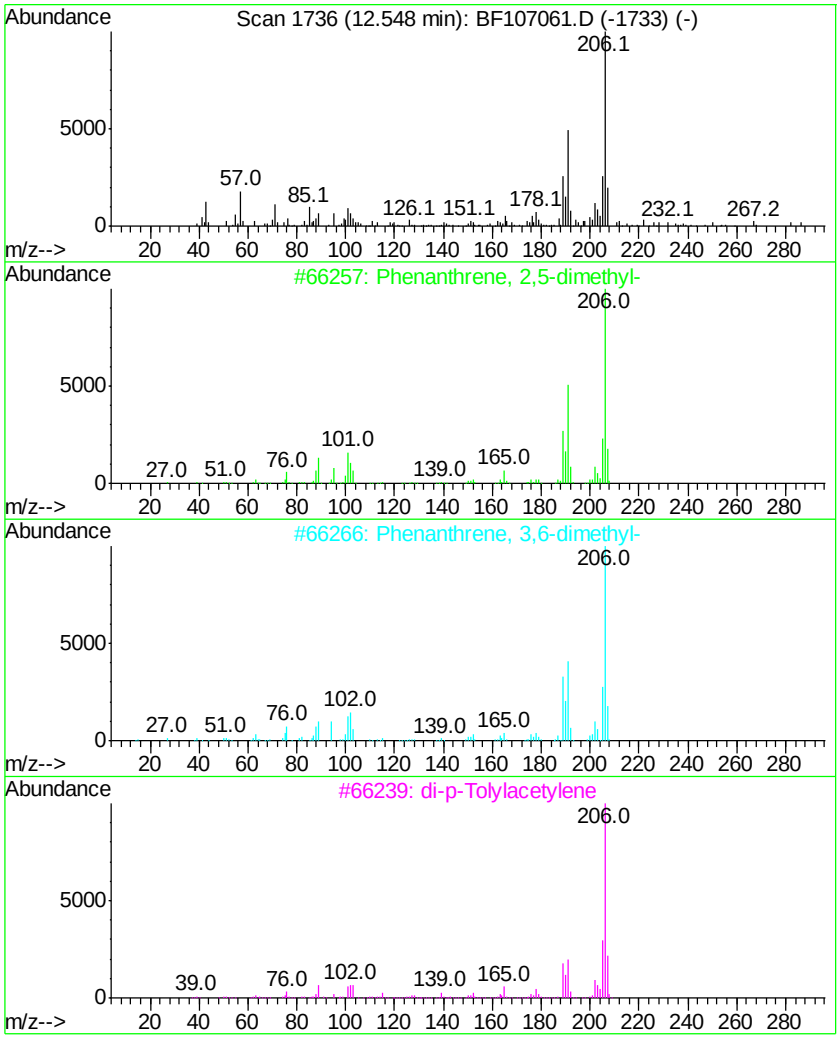
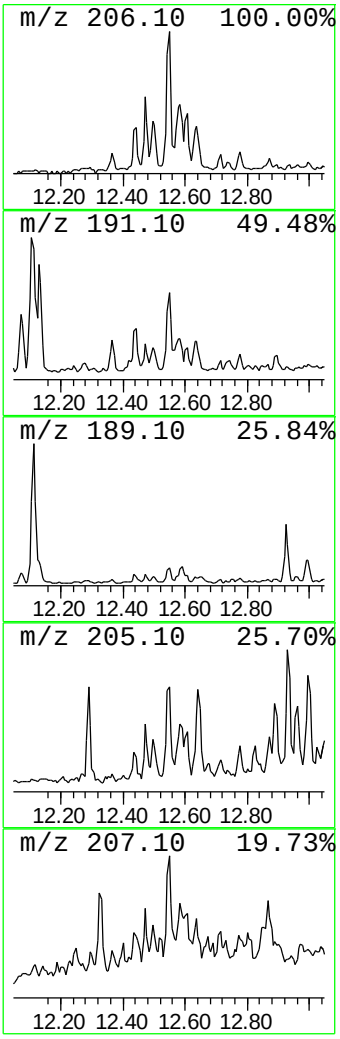
Peak Number 13 Phenanthrene, 2,5-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.55	4.26 ng	100030	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	90
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	87
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87





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Sample : J3638-01DL 4X
Misc :
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Instrument : BNA_F
ClientSampleId : P-1DL

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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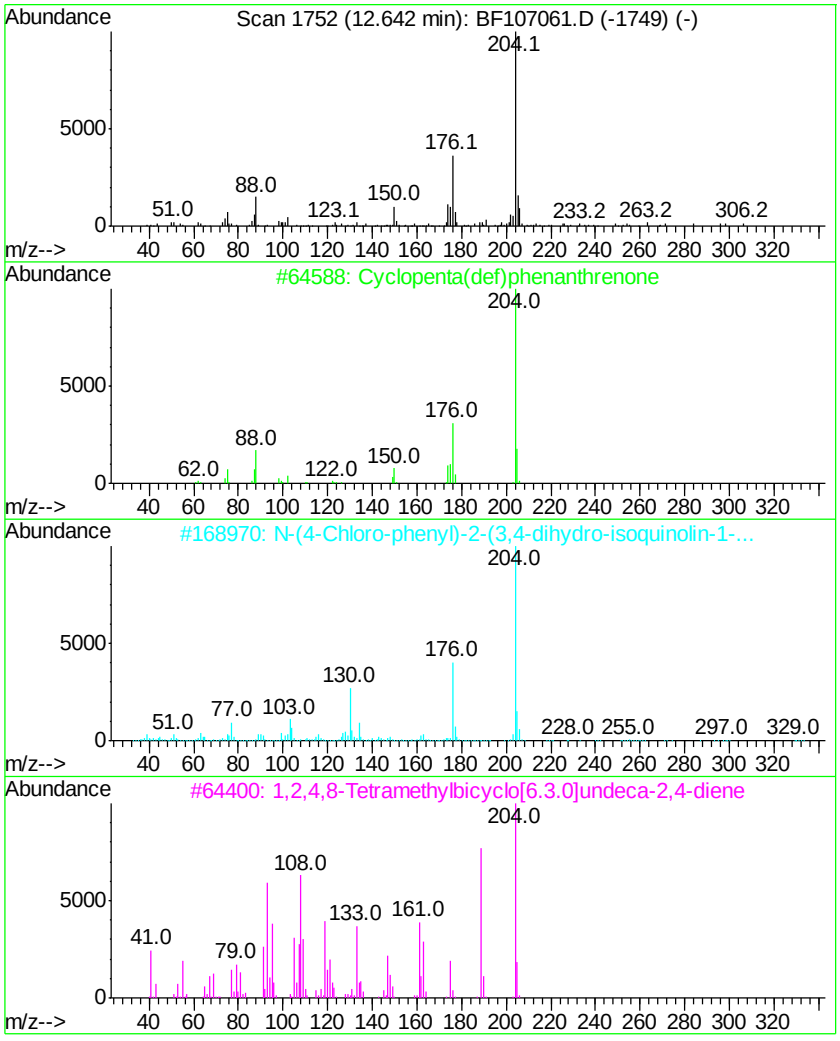
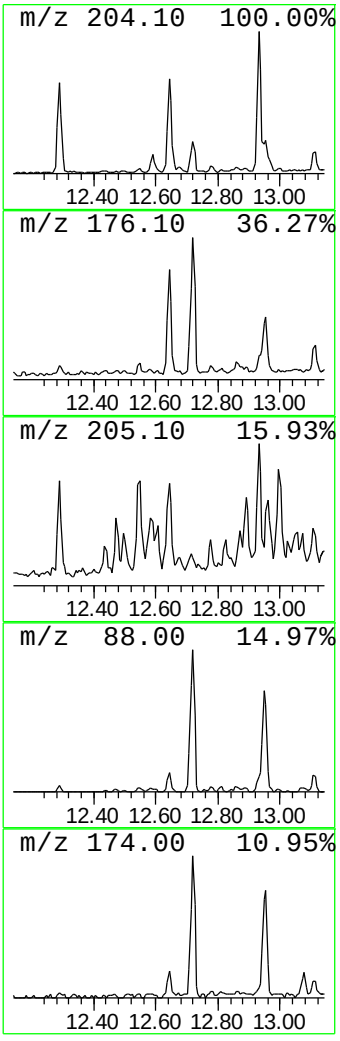
Peak Number 14 Cyclopenta(def)phenanthrenone Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.64	3.74 ng	87865	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	95
2	N-(4-Chloro-phenyl)-2-(3,4-dihyd...	330	C17H15ClN2OS	1000296-34-3	53
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	53
4	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	50
5	Tetracyano-p-quinodimethane	204	C12H4N4	001518-16-7	50





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Sample : J3638-01DL 4X
Misc :
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Instrument : BNA_F
ClientSampleId : P-1DL

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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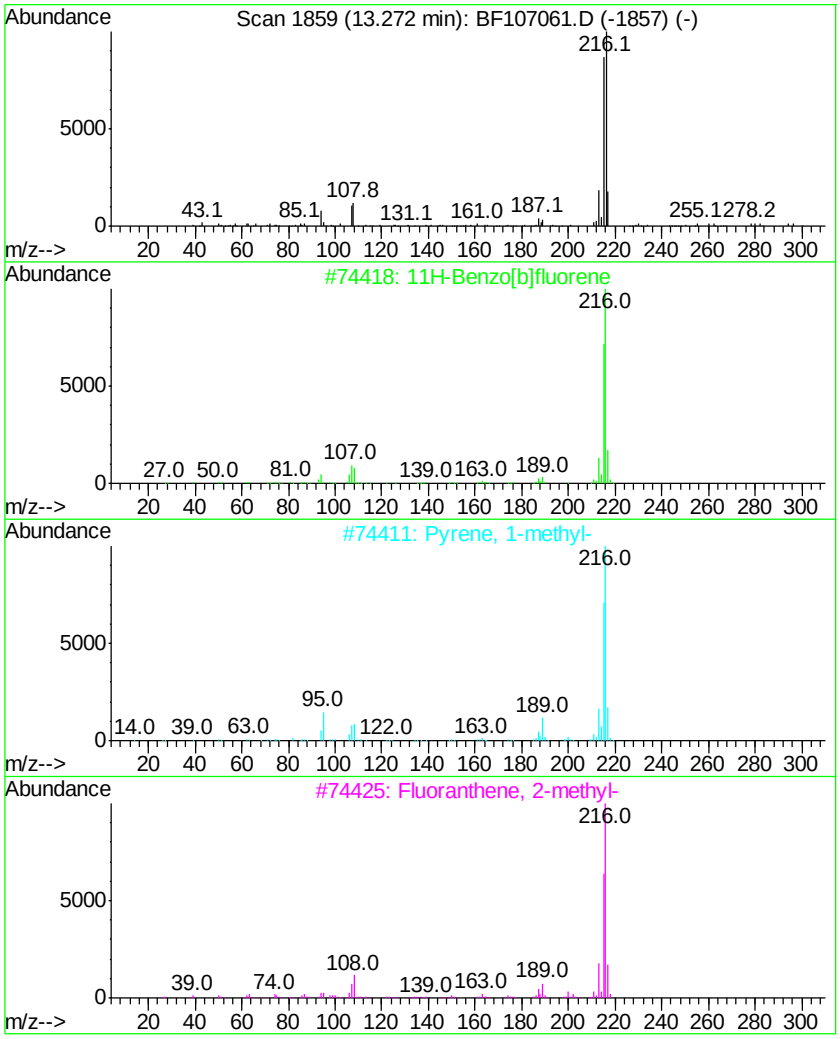
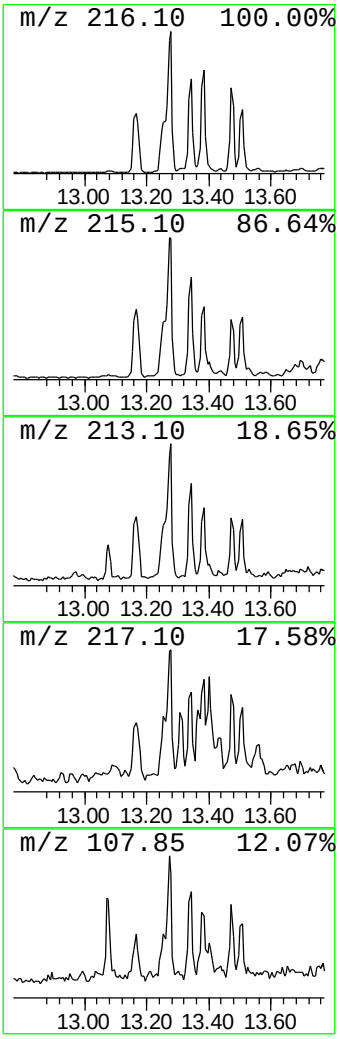
Peak Number 15 11H-Benzo[b]fluorene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.27	2.85 ng	152508	Chrysene-d12	14.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	96
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	80
5	6H-Thiazolo[5,4-e]indole, 2,7,8-...	216	C12H12N2S	1000338-32-0	72





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Instrument : BNA_F
ClientSampleId : P-1DL

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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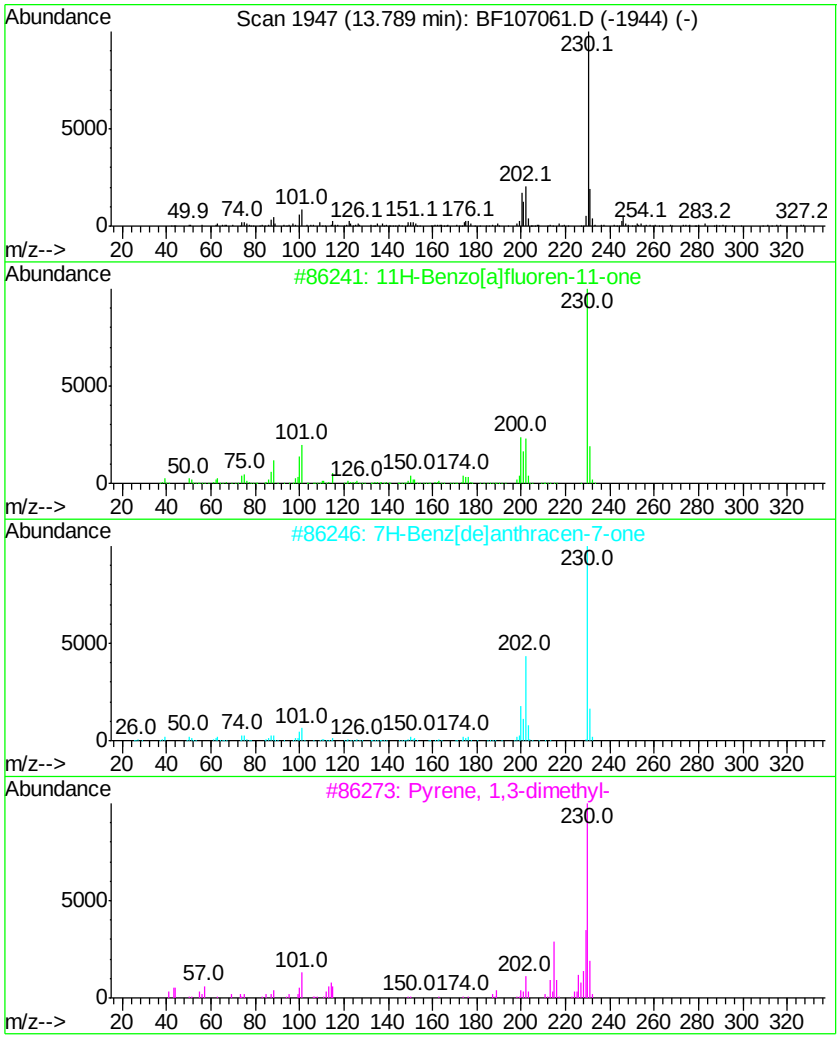
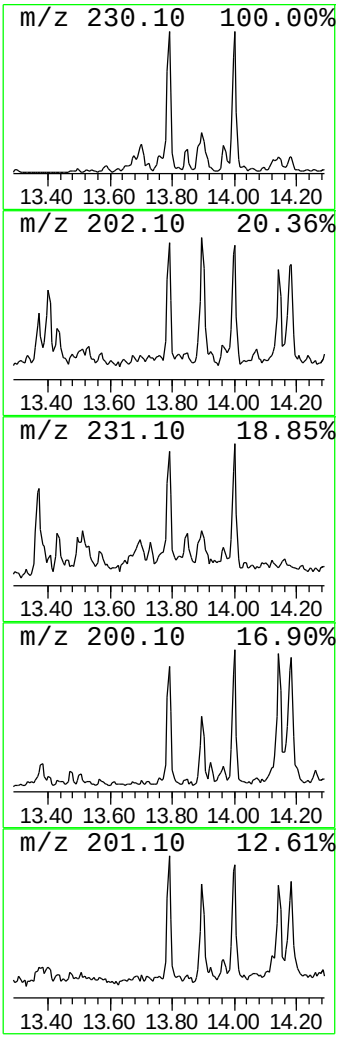
Peak Number 16 11H-Benzo[a]fluoren-11-one Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.79	2.35 ng	125872	Chrysene-d12	14.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	95
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	89
3	Pyrene, 1,3-dimethyl-	230	C18H14	064401-21-4	59
4	2-Chloro-9-xanthenone	230	C13H7ClO2	013210-15-6	59
5	5,6-Dihydrochrysene	230	C18H14	002091-92-1	53





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TIC Library : C:\DATABASE\NIST11.L
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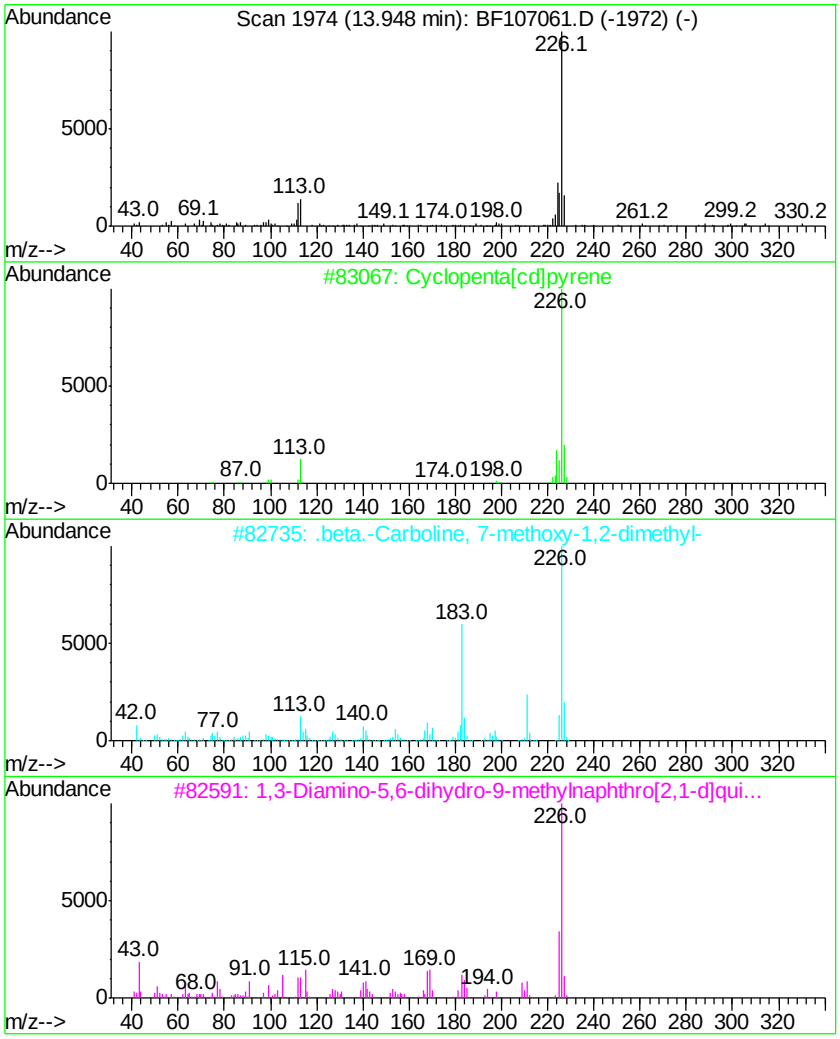
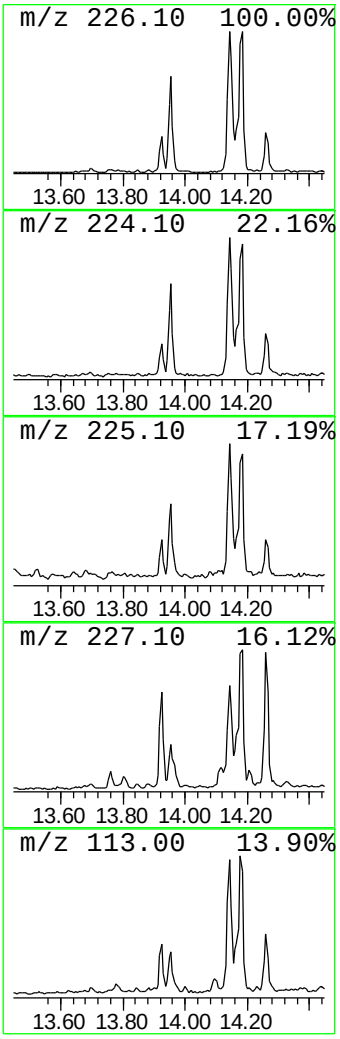
Peak Number 17 Cyclopenta[cd]pyrene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.95	3.55 ng	189748	Chrysene-d12	14.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	76
2	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	45
3	1,3-Diamino-5,6-dihydro-9-methyl...	226	C13H14N4	037436-39-8	40
4	9H-Xanthen-9-one, 3-methoxy-	226	C14H10O3	003722-52-9	40
5	1,8-Diazacyclotetradecane-2,7-dione	226	C12H22N2O2	004266-66-4	38





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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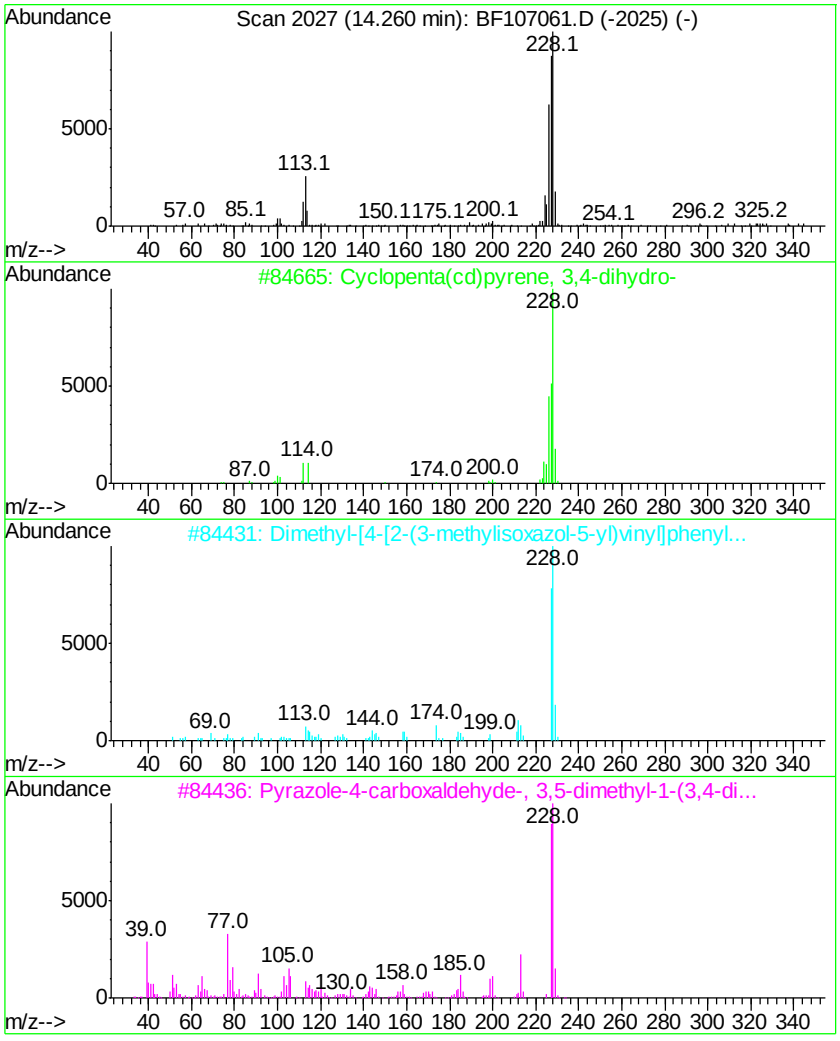
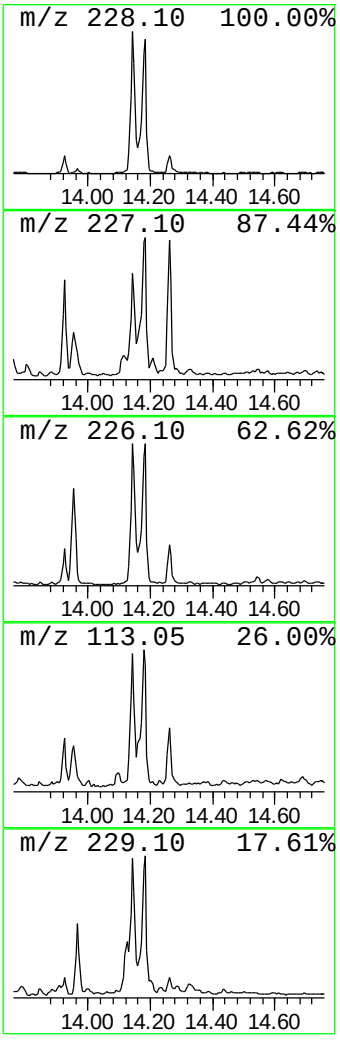
Peak Number 18 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.26	2.53 ng	135167	Chrysene-d12	14.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	95
2	Dimethyl-[4-[2-(3-methylisoxazol...	228	C14H16N2O	1000306-39-6	50
3	Pyrazole-4-carboxaldehyde-, 3,5-...	228	C14H16N2O	1000272-54-8	50
4	1(2H)-Phenanthrenone, 3,4,9,10-t...	228	C15H16O2	014427-61-3	47
5	Benzo[c]phenanthrene	228	C18H12	000195-19-7	46





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070218\
Data File : BF107061.D
Acq On : 3 Jul 2018 00:16
Operator : JU/SJ
Sample : J3638-01DL 4X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P-1DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

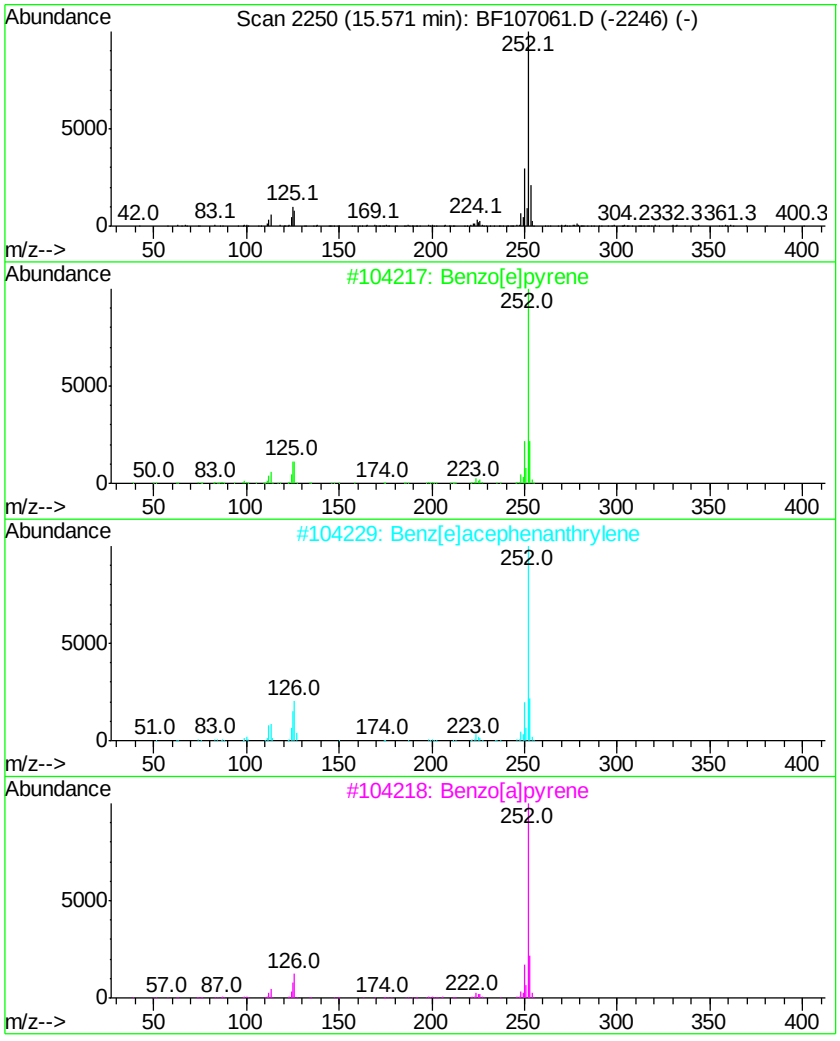
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

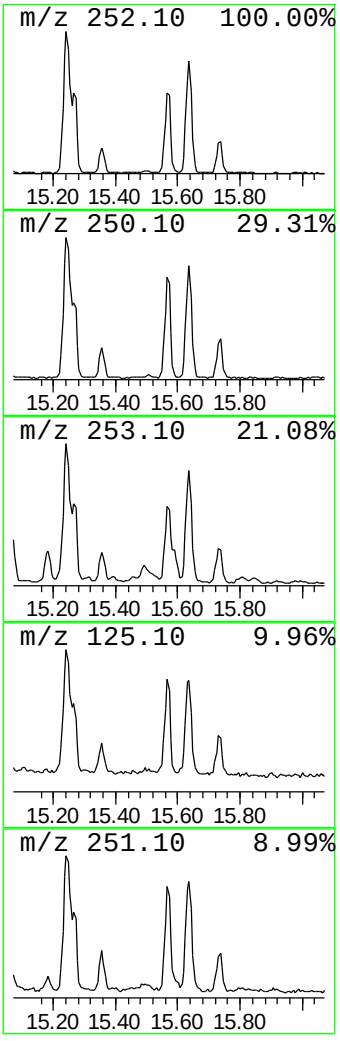
****

Peak Number 20 Benzo[e]pyrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.57	23.89 ng	310962	Perylene-d12	15.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	96
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	95
3	Benzo[a]pyrene	252	C20H12	000050-32-8	93
4	Perylene	252	C20H12	000198-55-0	90
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	74





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF070218\
Data File : BF107061.D
Acq On : 3 Jul 2018 00:16
Operator : JU/SJ
Sample : J3638-01DL 4X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P-1DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.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
unknown6.73	6.73	24.9	ng	487290	1	6.95	391376	20.0
Biphenylene	9.86	2.7	ng	65720	3	10.00	484144	20.0
Dodecane	10.40	2.5	ng	60053	3	10.00	484144	20.0
Heptadecane, 2,6-...	10.62	2.4	ng	57923	3	10.00	484144	20.0
Pentadecane, 2,6,...	10.89	4.8	ng	113241	4	11.50	469443	20.0
Heptacosane	11.35	2.4	ng	56633	4	11.50	469443	20.0
Phenanthrene, 2-m...	12.00	4.0	ng	93700	4	11.50	469443	20.0
1H-Cyclopropa[l]p...	12.02	4.4	ng	102953	4	11.50	469443	20.0
4H-Cyclopenta[def...	12.11	7.4	ng	172908	4	11.50	469443	20.0
6-Phenylbenzocycl...	12.29	3.3	ng	76774	4	11.50	469443	20.0
9,10-Anthracenedione	12.32	3.9	ng	90860	4	11.50	469443	20.0
Phenanthrene, 2,5...	12.55	4.3	ng	100030	4	11.50	469443	20.0
Cyclopenta(def)ph...	12.64	3.7	ng	87865	4	11.50	469443	20.0
11H-Benzo[b]fluorene	13.27	2.9	ng	152508	5	14.15	1069400	20.0
11H-Benzo[a]fluor...	13.79	2.4	ng	125872	5	14.15	1069400	20.0
Cyclopenta[cd]pyrene	13.95	3.5	ng	189748	5	14.15	1069400	20.0
Cyclopenta(cd)pyr...	14.26	2.5	ng	135167	5	14.15	1069400	20.0
Benzo[e]pyrene	15.57	23.9	ng	310962	6	15.70	260283	20.0