LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041118\
Data File : BF104438.D
Acq On : 11 Apr 2018 15:15
Operator : JU/SJ
Sample : J2161-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-041018-A

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

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.410	561	565	568	rBV	1016041	854842	18.02%	2.324%
2	6.434	734	739	746	rVB	1044499	936476	19.74%	2.546%
3	6.575	759	763	766	rBV	1099516	971207	20.47%	2.641%
4	6.804	799	802	806	rBV	912610	790959	16.67%	2.150%
5	6.963	825	829	832	rBV	874189	726041	15.30%	1.974%
6	7.369	894	898	901	rBV	669703	561451	11.84%	1.526%
7	8.092	1015	1021	1023	rBV	1259707	1129940	23.82%	3.072%
8	8.110	1023	1024	1027	rVB	333503	207702	4.38%	0.565%
9	8.680	1118	1121	1125	rBV	81279	70492	1.49%	0.192%
10	8.804	1139	1142	1145	rVB	198567	155438	3.28%	0.423%
11	8.904	1155	1159	1163	rBV	167217	158974	3.35%	0.432%
12	9.163	1199	1203	1207	rBV	1482060	1232762	25.99%	3.352%
13	9.245	1213	1217	1219	rBV	110560	96486	2.03%	0.262%
14	9.433	1244	1249	1252	rVB	81031	102788	2.17%	0.279%
15	9.504	1257	1261	1263	rVV	124282	122881	2.59%	0.334%
16	9.527	1263	1265	1267	rVV	81024	67721	1.43%	0.184%
17	9.563	1267	1271	1274	rVV3	89943	108463	2.29%	0.295%
18	9.622	1278	1281	1285	rBV	71332	68784	1.45%	0.187%
19	9.704	1292	1295	1299	rBV	93610	79379	1.67%	0.216%
20	9.775	1304	1307	1310	rVB	120944	93629	1.97%	0.255%
21	9.845	1316	1319	1322	rVB	1256544	1037334	21.87%	2.820%
22	9.880	1322	1325	1328	rVB	310837	253342	5.34%	0.689%
23	10.051	1349	1354	1358	rVB	256891	245349	5.17%	0.667%
24	10.086	1358	1360	1366	rBV3	44899	61507	1.30%	0.167%
25	10.274	1390	1392	1395	rVB	153318	112087	2.36%	0.305%
26	10.392	1409	1412	1418	rVB	450891	383849	8.09%	1.044%
27	10.551	1436	1439	1442	rVB	83131	70060	1.48%	0.190%
28	10.633	1447	1453	1457	rBV	859126	746803	15.74%	2.030%
29	10.751	1469	1473	1481	rVB2	140591	190301	4.01%	0.517%
30	10.939	1499	1505	1508	rBV2	82581	102064	2.15%	0.277%
31	11.198	1542	1549	1552	rBV2	115102	142224	3.00%	0.387%
32	11.227	1552	1554	1560	rVB	138821	131562	2.77%	0.358%
33	11.333	1569	1572	1574	rBV	1017847	955373	20.14%	2.598%
34	11.363	1574	1577	1580	rVV	1399125	1221976	25.76%	3.322%

LSC Area Percent Report

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Data File : BF104438.D
Acq On : 11 Apr 2018 15:15
Operator : JU/SJ
Sample : J2161-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-041018-A

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

35	11.410	1582	1585	1588	rVB	494647	371080	7.82%	1.009%
36	11.439	1588	1590	1593	rBV2	48830	49298	1.04%	0.134%
37	11.563	1609	1611	1614	rBV	148517	103320	2.18%	0.281%
38	11.627	1619	1622	1624	rBV2	98191	80464	1.70%	0.219%
39	11.663	1624	1628	1634	rVB5	37494	61063	1.29%	0.166%
40	11.727	1636	1639	1642	rBV	1726653	1319861	27.82%	3.588%
41	11.833	1654	1657	1660	rBV	164493	163721	3.45%	0.445%
42	11.863	1660	1662	1667	rVB	286050	240237	5.06%	0.653%
43	11.910	1667	1670	1673	rBV	114085	102713	2.17%	0.279%
44	11.951	1673	1677	1679	rVV	354517	355683	7.50%	0.967%
45	11.968	1679	1680	1684	rVB	129045	91338	1.93%	0.248%
46	12.033	1684	1691	1695	rBV2	74912	117818	2.48%	0.320%
47	12.133	1705	1708	1710	rBV	148885	123399	2.60%	0.336%
48	12.386	1747	1751	1753	rBV	118799	131007	2.76%	0.356%
49	12.421	1753	1757	1759	rVV	4181257	4743938	100.00%	12.898%
50	12.445	1759	1761	1771	rVV2	3066532	2880218	60.71%	7.831%
51	12.521	1771	1774	1776	rVV	719099	577658	12.18%	1.571%
52	12.551	1776	1779	1783	rVB	1583704	1400680	29.53%	3.808%
53	12.704	1802	1805	1808	rVB2	49311	49151	1.04%	0.134%
54	12.780	1812	1818	1824	rBV2	1354137	1589855	33.51%	4.323%
55	12.827	1824	1826	1831	rVB2	72881	89442	1.89%	0.243%
56	12.898	1835	1838	1839	rBV2	83377	76278	1.61%	0.207%
57	12.921	1839	1842	1849	rVB	1129292	1041507	21.95%	2.832%
58	13.004	1850	1856	1858	rBV2	103726	164224	3.46%	0.446%
59	13.086	1866	1870	1871	rBV3	91687	103819	2.19%	0.282%
60	13.110	1871	1874	1878	rVB	291153	265976	5.61%	0.723%
61	13.174	1882	1885	1888	rVB	297568	241782	5.10%	0.657%
62	13.210	1888	1891	1894	rBV2	132057	130954	2.76%	0.356%
63	13.245	1894	1897	1899	rBV2	60107	60476	1.27%	0.164%
64	13.304	1904	1907	1910	rVB	77991	62208	1.31%	0.169%
65	13.333	1910	1912	1915	rBV	86872	83210	1.75%	0.226%
66	13.498	1936	1940	1941	rBV3	59519	75409	1.59%	0.205%
67	13.592	1953	1956	1958	rBV2	51605	54998	1.16%	0.150%
68	13.727	1977	1979	1982	rVB	70113	65231	1.38%	0.177%
69	13.757	1982	1984	1986	rBV	109407	81305	1.71%	0.221%
70	13.780	1986	1988	1992	rVV3	95144	123370	2.60%	0.335%
71	13.821	1992	1995	1998	rVB3	91509	99298	2.09%	0.270%

LSC Area Percent Report

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Acq On : 11 Apr 2018 15:15
Operator : JU/SJ
Sample : J2161-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-041018-A

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

72	13.980	2017	2022	2025	rVV2	1124265	1596447	33.65%	4.340%
73	14.010	2025	2027	2032	rVB	560491	493764	10.41%	1.342%
74	14.086	2038	2040	2043	rVB	138928	101461	2.14%	0.276%
75	14.368	2085	2088	2092	rVB	145174	145712	3.07%	0.396%
76	14.404	2092	2094	2097	rBV	59010	47564	1.00%	0.129%
77	14.498	2108	2110	2112	rBV	63446	49168	1.04%	0.134%
78	15.021	2195	2199	2202	rBV	452456	677504	14.28%	1.842%
79	15.127	2215	2217	2221	rVB	111681	100948	2.13%	0.274%
80	15.321	2247	2250	2256	rVB	252180	331382	6.99%	0.901%
81	15.386	2257	2261	2267	rVB	404418	493607	10.41%	1.342%
82	15.451	2267	2272	2275	rBV	503547	686233	14.47%	1.866%
83	16.898	2514	2518	2525	rVB2	155366	294300	6.20%	0.800%
84	17.333	2588	2592	2600	rVB	109238	200001	4.22%	0.544%

Sum of corrected areas: 36780326

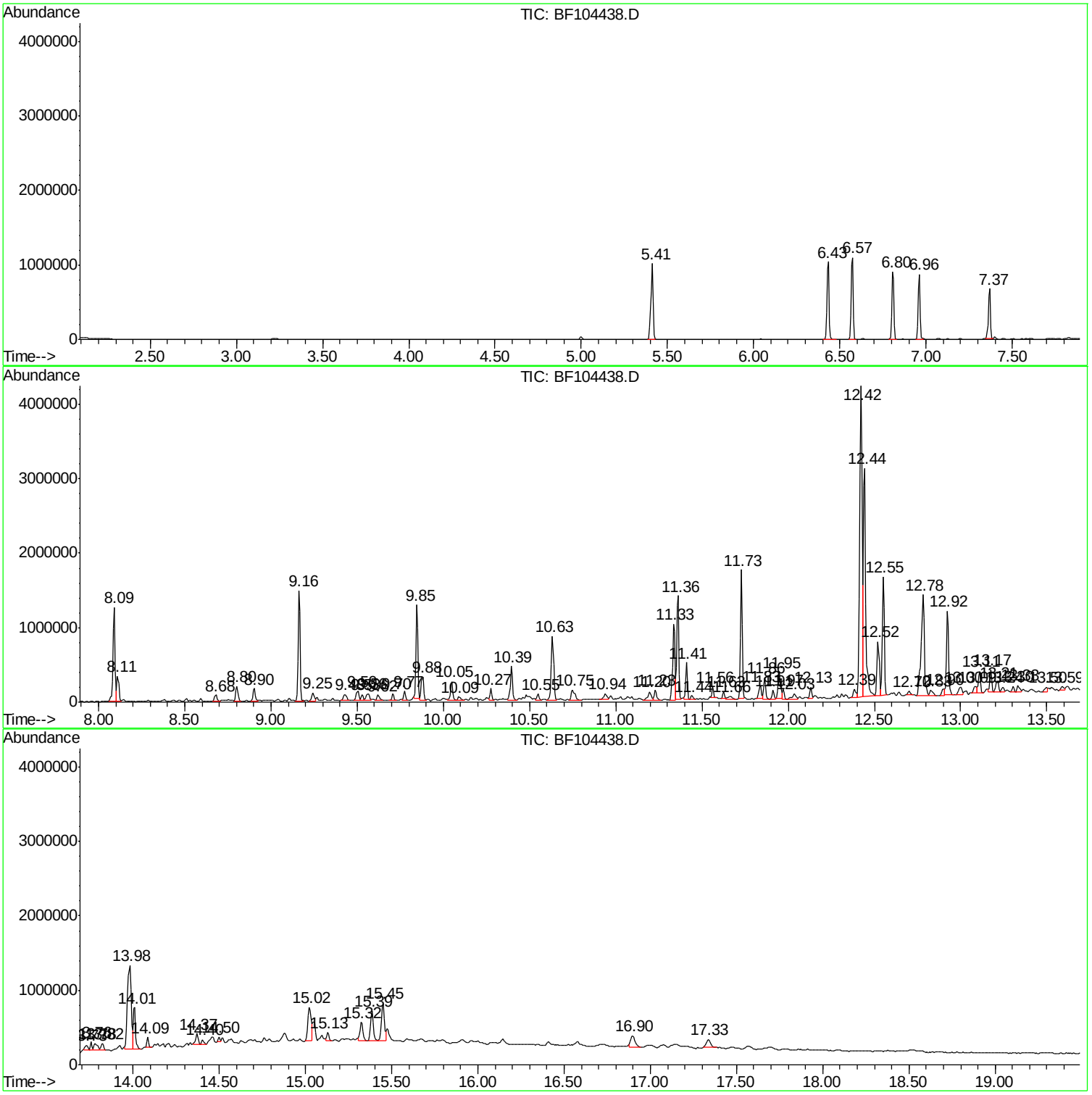
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041118\
Data File : BF104438.D
Acq On : 11 Apr 2018 15:15
Operator : JU/SJ
Sample : J2161-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-041018-A

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

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



Data Path : Z:\HPCHEM1\BNA F\DATA\BF041118\
Data File : BF104438.D
Acq On : 11 Apr 2018 15:15
Operator : JU/SJ
Sample : J2161-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-041018-A

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

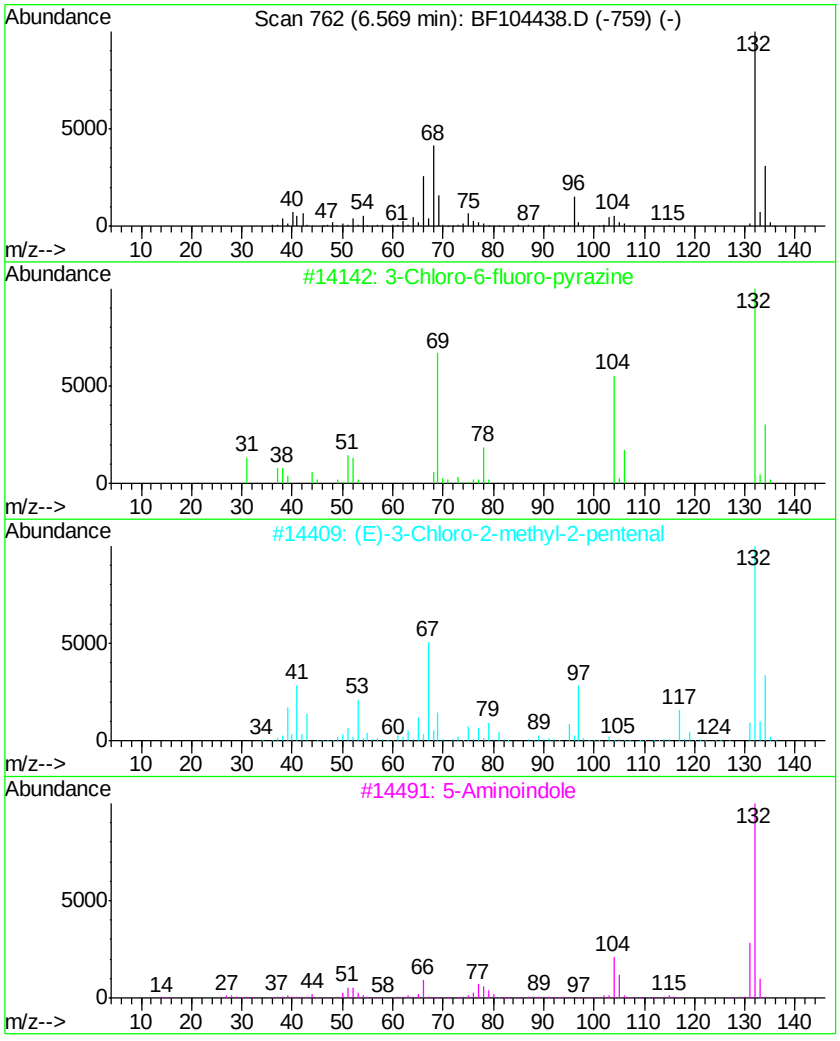
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

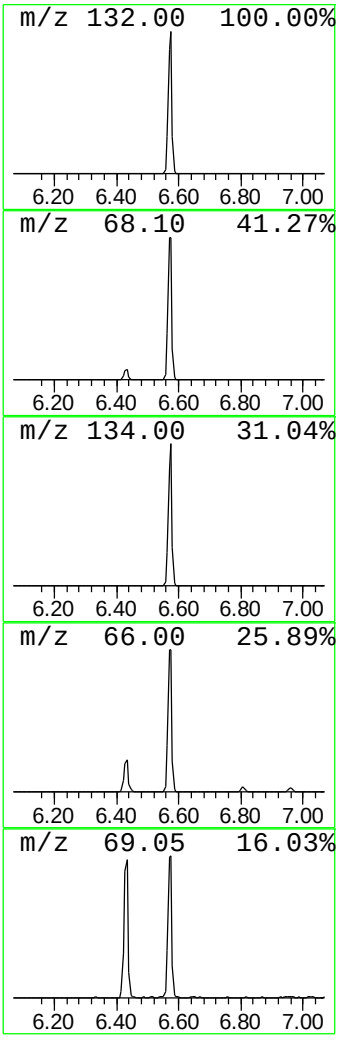
****

Peak Number 1 unknown6.57 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.57	24.56 ng	971207	1,4-Dichlorobenzene-d4	6.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	38
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3	5-Aminoindole	132	C8H8N2	005192-03-0	12
4	1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	9
5	4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF041118\
Data File : BF104438.D
Acq On : 11 Apr 2018 15:15
Operator : JU/SJ
Sample : J2161-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-041018-A

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

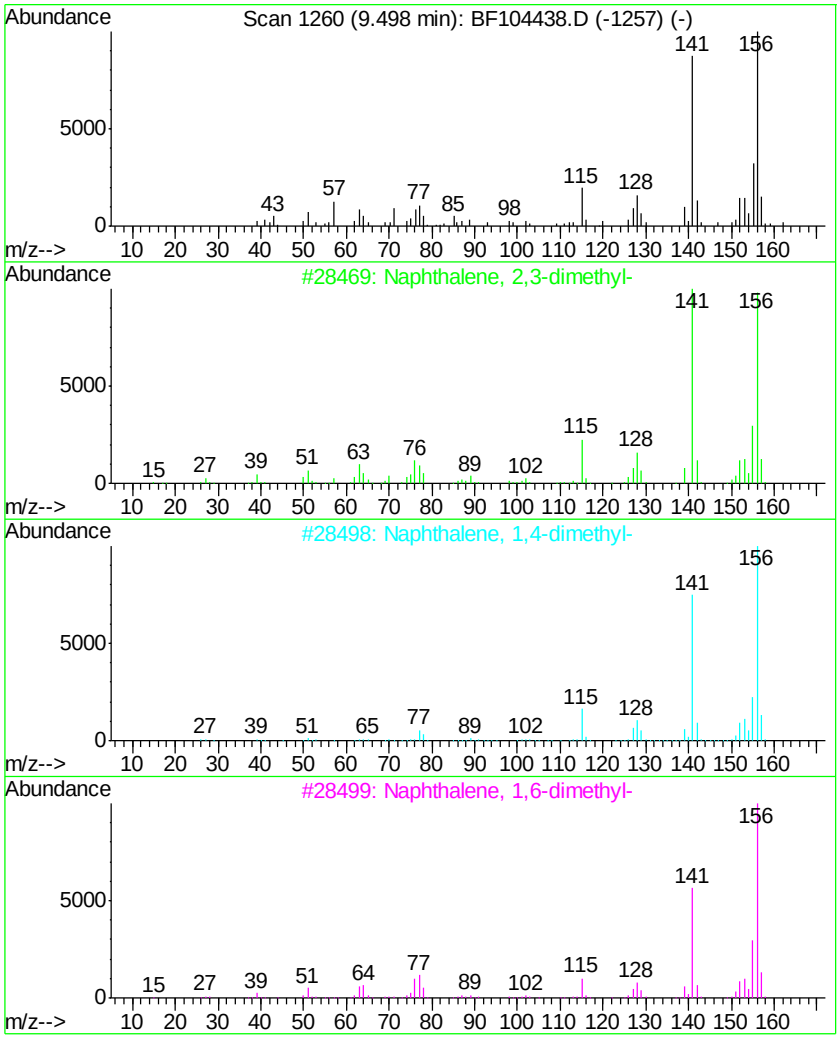
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

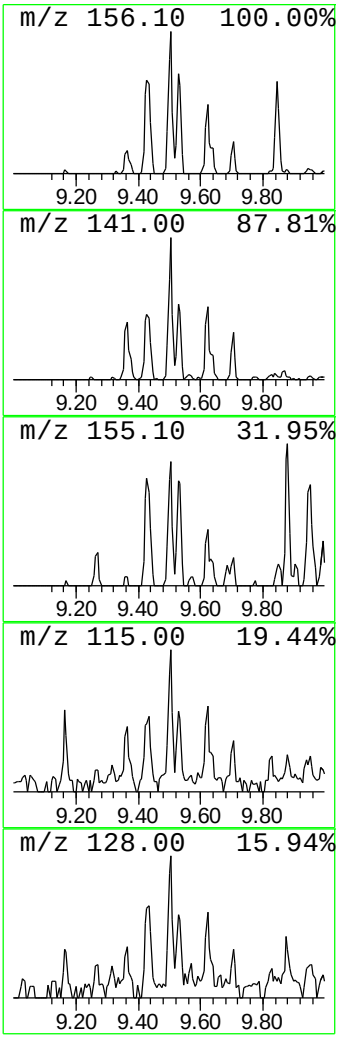
****

Peak Number 4 Naphthalene, 2,3-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.50	2.37 ng	122881	Acenaphthene-d10	9.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041118\
Data File : BF104438.D
Acq On : 11 Apr 2018 15:15
Operator : JU/SJ
Sample : J2161-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-041018-A

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

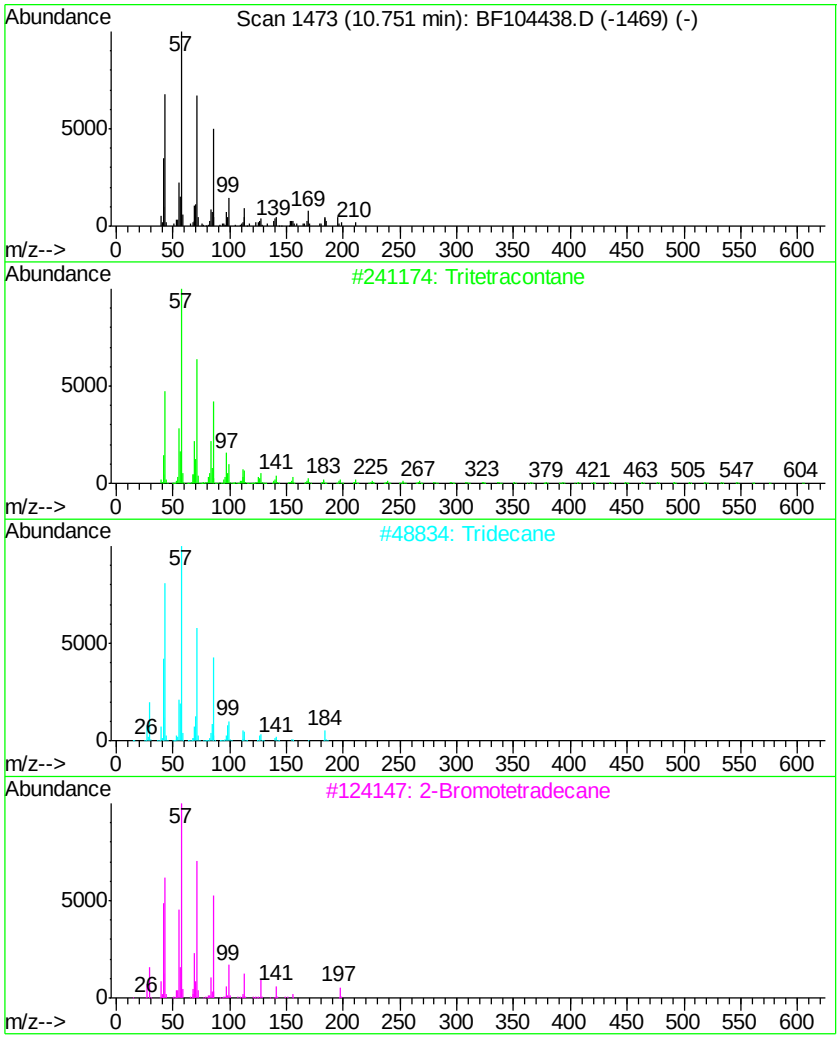
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

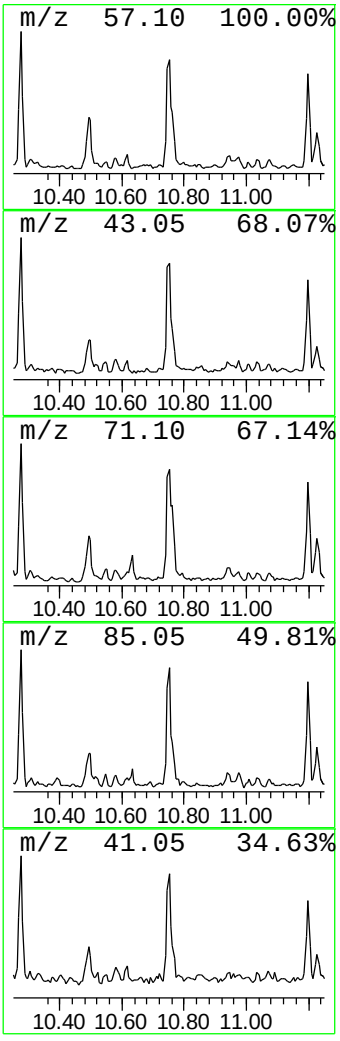
****

Peak Number 5 Tritetracontane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.75	3.98 ng	190301	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tritetracontane	605	C43H88	007098-21-7	87
2	Tridecane	184	C13H28	000629-50-5	87
3	2-Bromotetradecane	276	C14H29Br	074036-95-6	83
4	Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	83
5	Heneicosane	296	C21H44	000629-94-7	83





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Sample : J2161-01 5X
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Instrument : BNA_F
ClientSampleId : OR-02-041018-A

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

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

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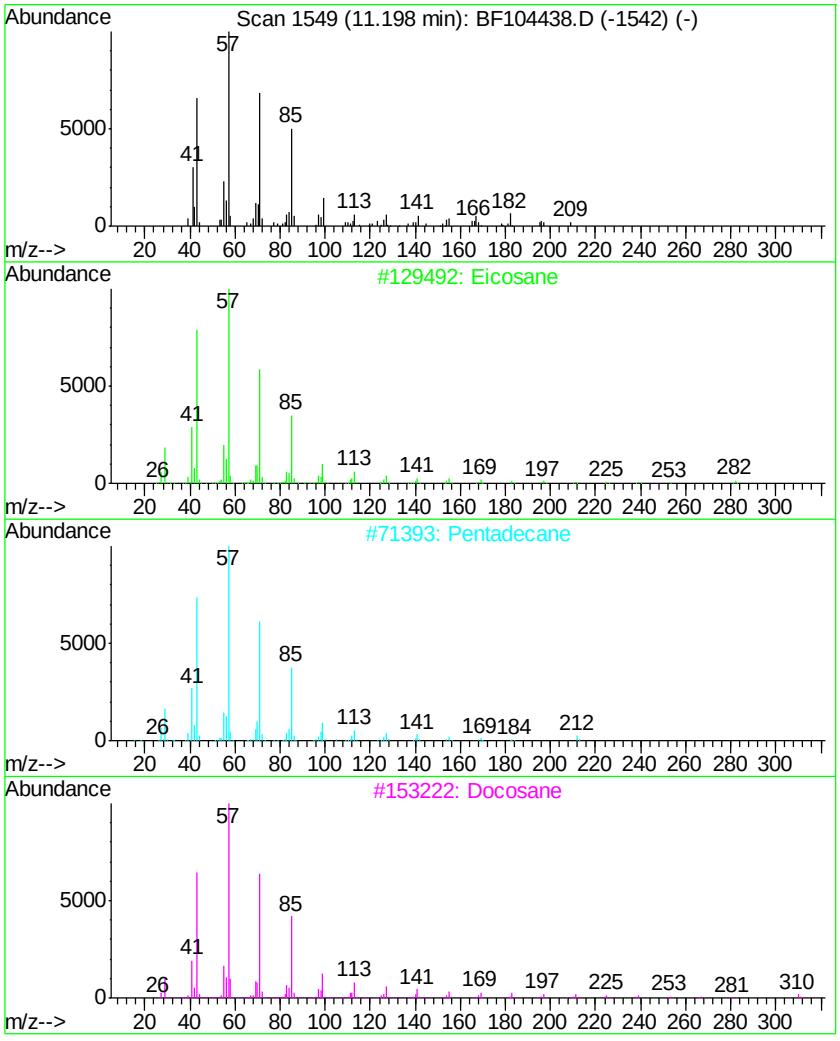
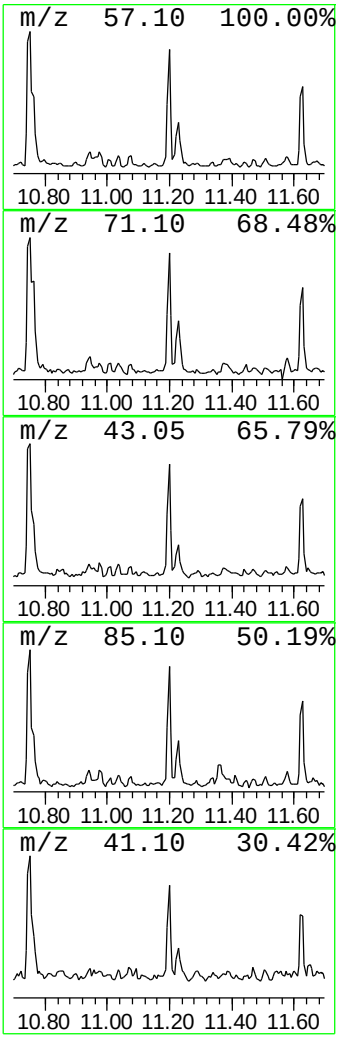
Peak Number 6 Eicosane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.20	2.98 ng	142224	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	87
2	Pentadecane	212	C15H32	000629-62-9	83
3	Docosane	310	C22H46	000629-97-0	80
4	Hexadecane	226	C16H34	000544-76-3	80
5	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	80





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Data File : BF104438.D
Acq On : 11 Apr 2018 15:15
Operator : JU/SJ
Sample : J2161-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-041018-A

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

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

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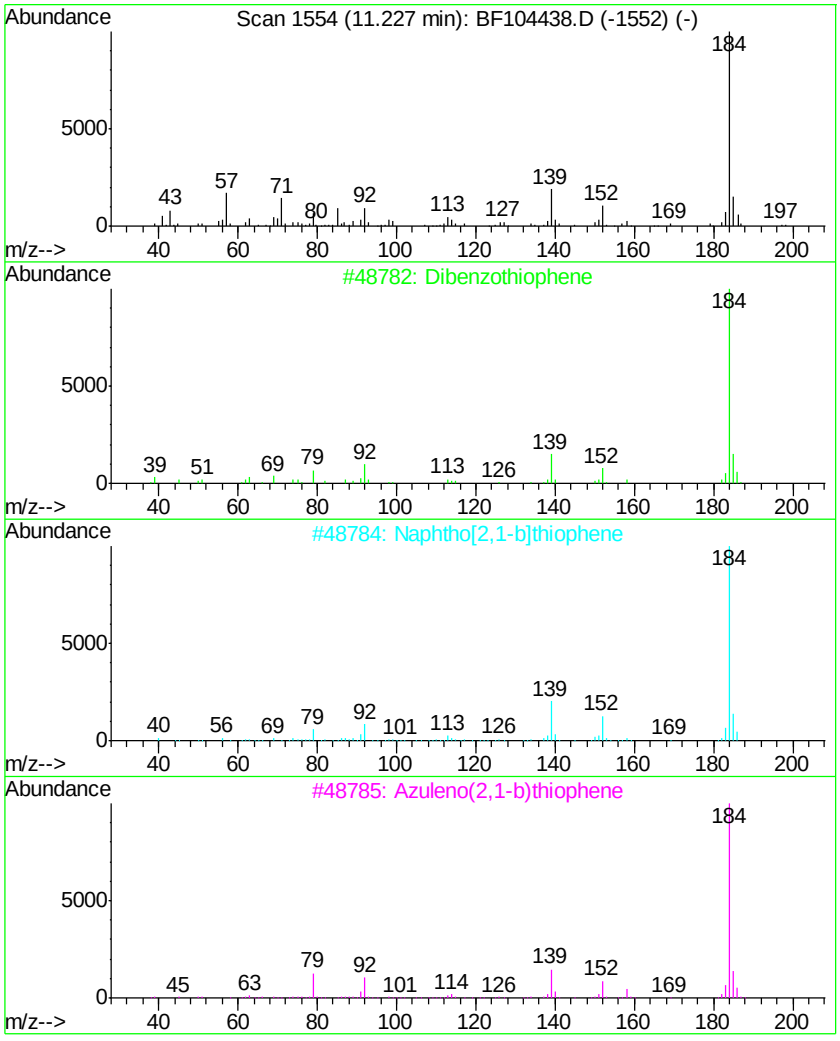
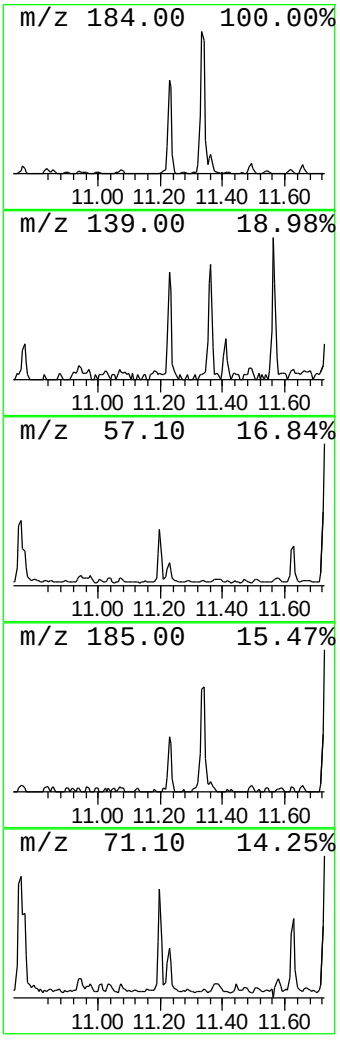
Peak Number 7 Dibenzothiophene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.23	2.75 ng	131562	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	96
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	93
3	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	93
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	87
5	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	76





Data Path : Z:\HPCHEM1\BNA F\DATA\BF041118\
Data File : BF104438.D
Acq On : 11 Apr 2018 15:15
Operator : JU/SJ
Sample : J2161-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-041018-A

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

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

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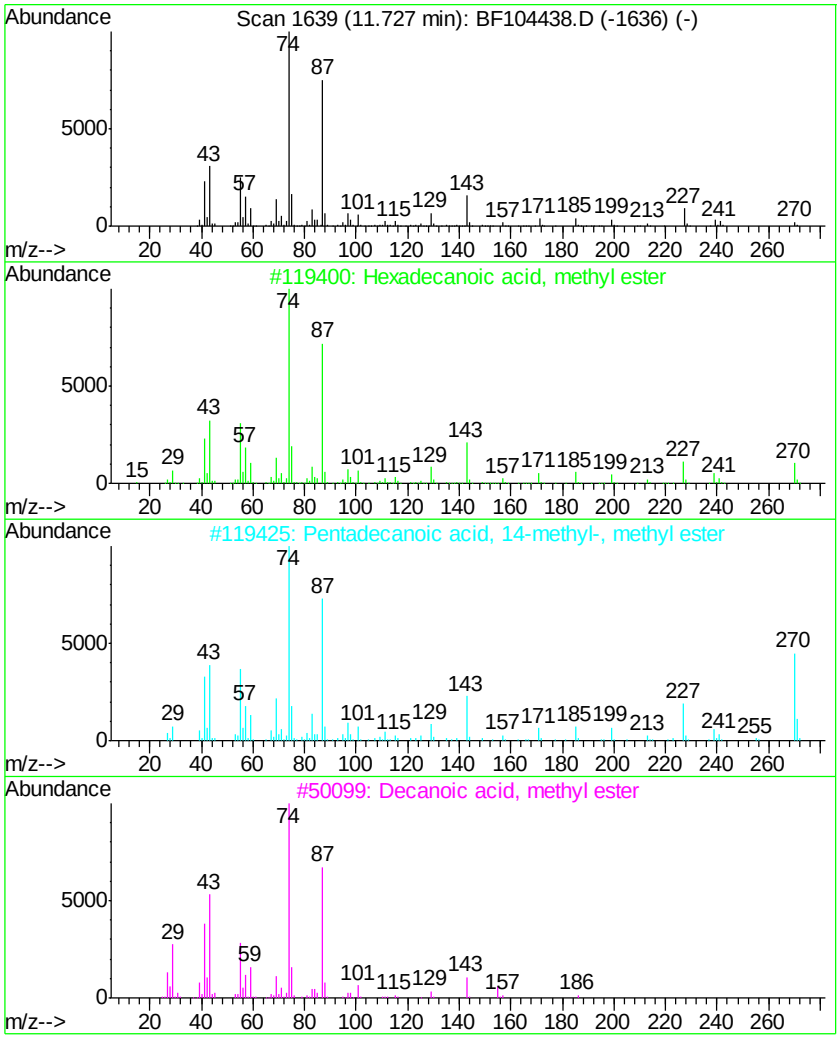
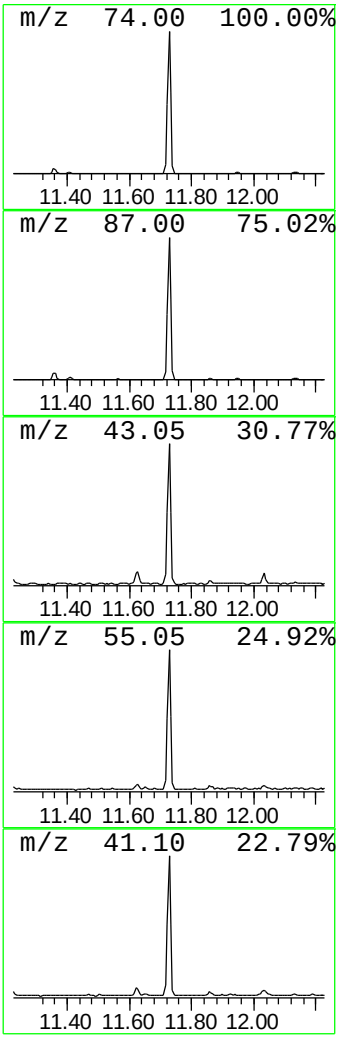
Peak Number 8 Hexadecanoic acid, methyl e... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.73	27.63 ng	1319860	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecanoic acid, methyl ester	270	C17H34O2	000112-39-0	95
2	Pentadecanoic acid, 14-methyl-, ...	270	C17H34O2	005129-60-2	90
3	Decanoic acid, methyl ester	186	C11H22O2	000110-42-9	87
4	Pentadecanoic acid, methyl ester	256	C16H32O2	007132-64-1	86
5	Methyl tetradecanoate	242	C15H30O2	000124-10-7	86





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041118\
Data File : BF104438.D
Acq On : 11 Apr 2018 15:15
Operator : JU/SJ
Sample : J2161-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-041018-A

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

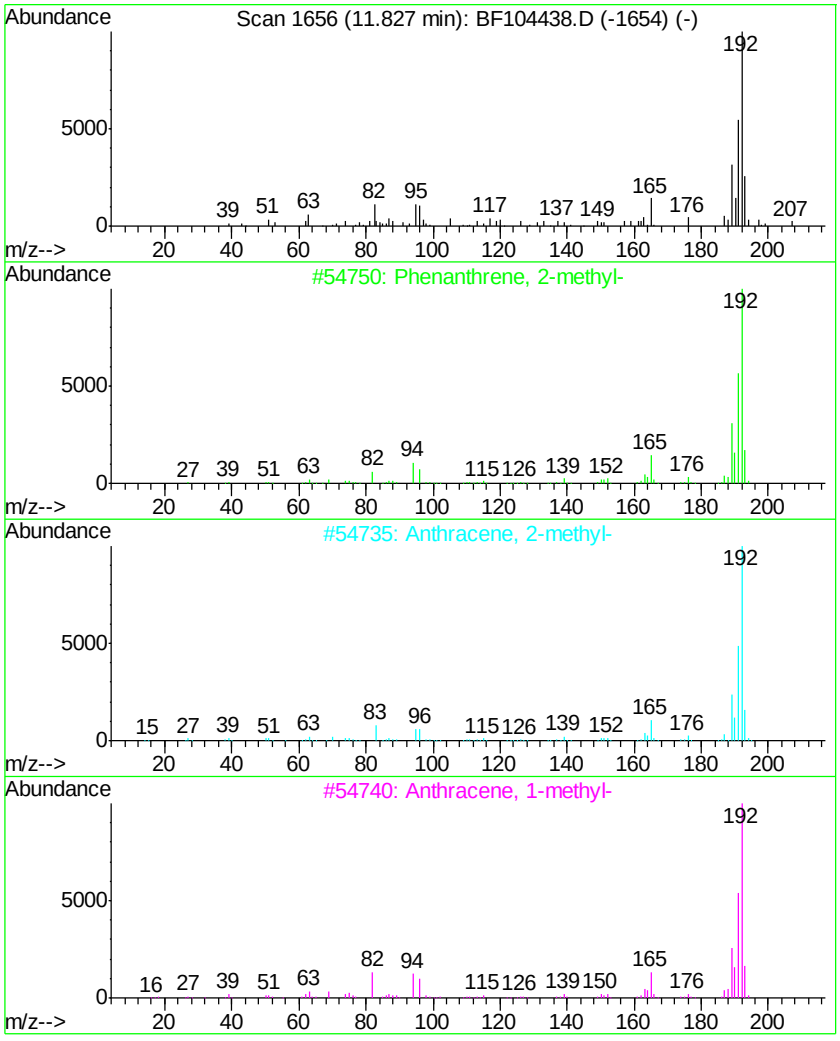
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

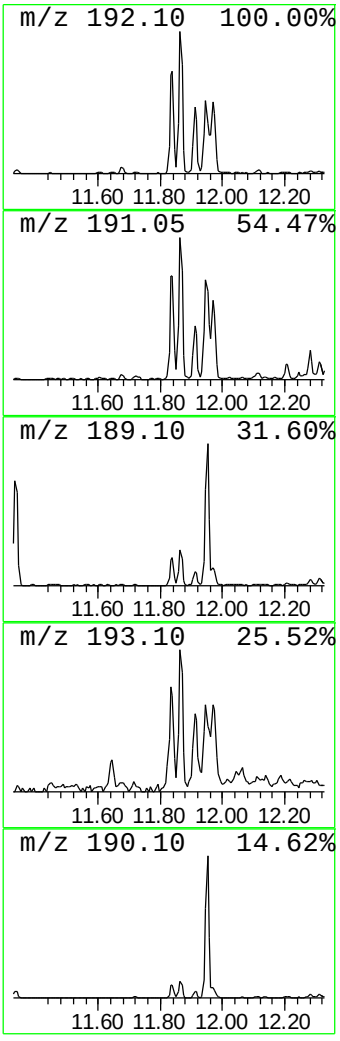
****

Peak Number 9 Phenanthrene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.83	3.43 ng	163721	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	92
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





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Acq On : 11 Apr 2018 15:15
Operator : JU/SJ
Sample : J2161-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-041018-A

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

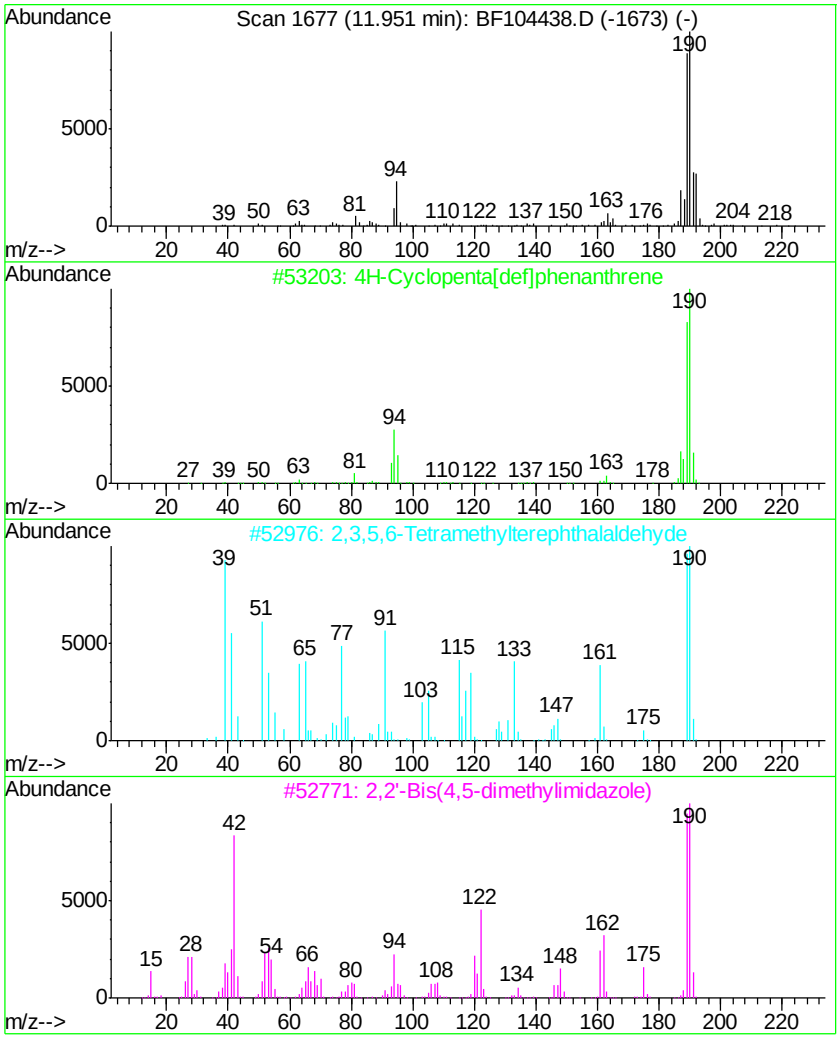
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

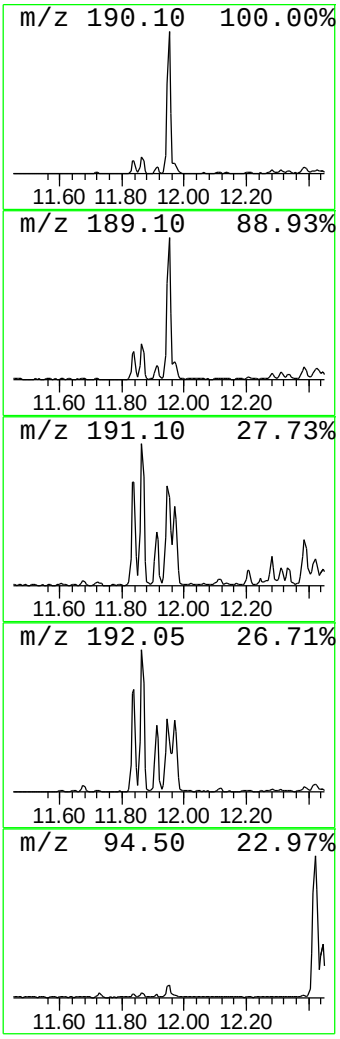
****

Peak Number 11 4H-Cyclopenta[def]phenanthrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.95	7.45 ng	355683	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
3	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45
4	6,7-Methylenedioxy-4(3H)-quinazo...	190	C9H6N2O3	028310-11-4	33
5	Megastigmatrienone	190	C13H18O	038818-55-2	25





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Data File : BF104438.D
Acq On : 11 Apr 2018 15:15
Operator : JU/SJ
Sample : J2161-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-041018-A

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

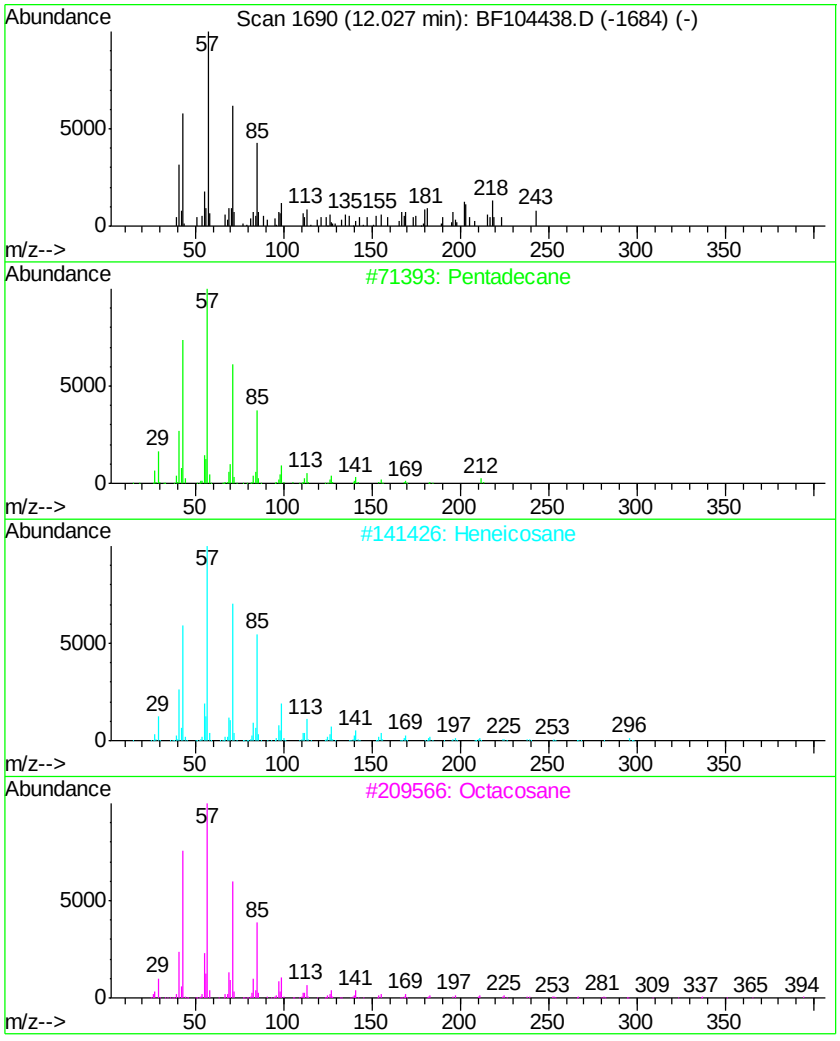
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

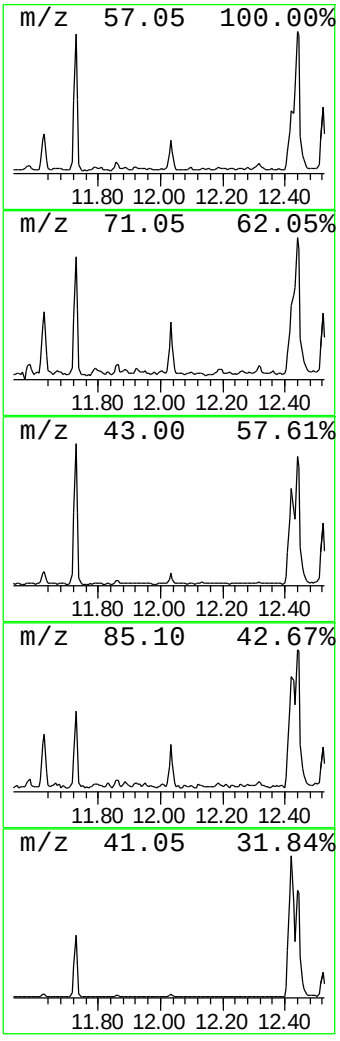
****

Peak Number 12 Pentadecane Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.03	2.47 ng	117818	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane	212	C15H32	000629-62-9	86
2	Heneicosane	296	C21H44	000629-94-7	62
3	Octacosane	394	C28H58	000630-02-4	58
4	Heptadecane	240	C17H36	000629-78-7	58
5	Docosane	310	C22H46	000629-97-0	58





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Data File : BF104438.D
Acq On : 11 Apr 2018 15:15
Operator : JU/SJ
Sample : J2161-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-041018-A

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

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

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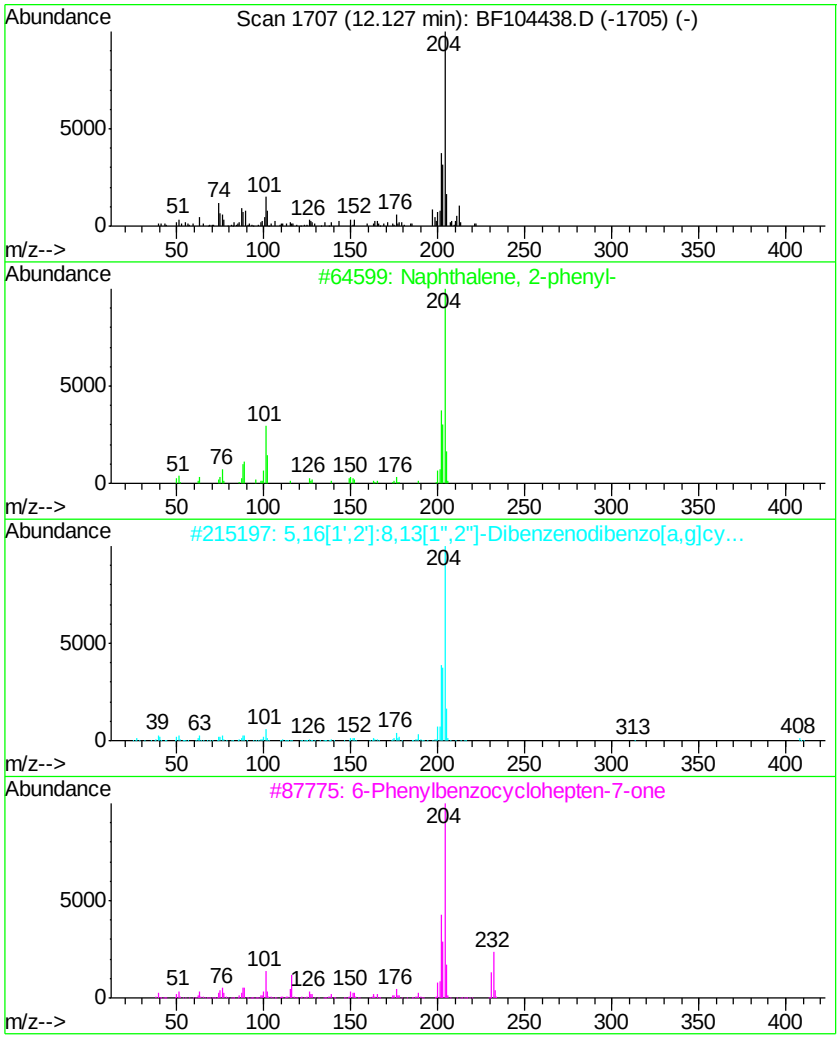
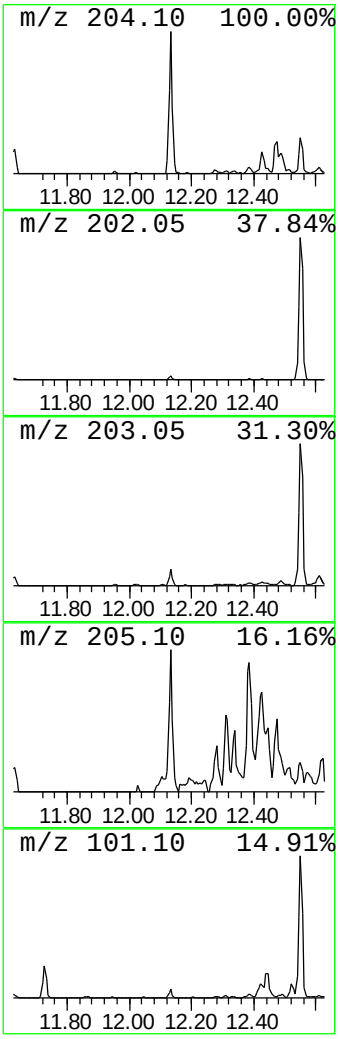
Peak Number 13 Naphthalene, 2-phenyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.13	2.58 ng	123399	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	89
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
3	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	86
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	81
5	Levamisole	204	C11H12N2S	014769-73-4	53





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Data File : BF104438.D
Acq On : 11 Apr 2018 15:15
Operator : JU/SJ
Sample : J2161-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-041018-A

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

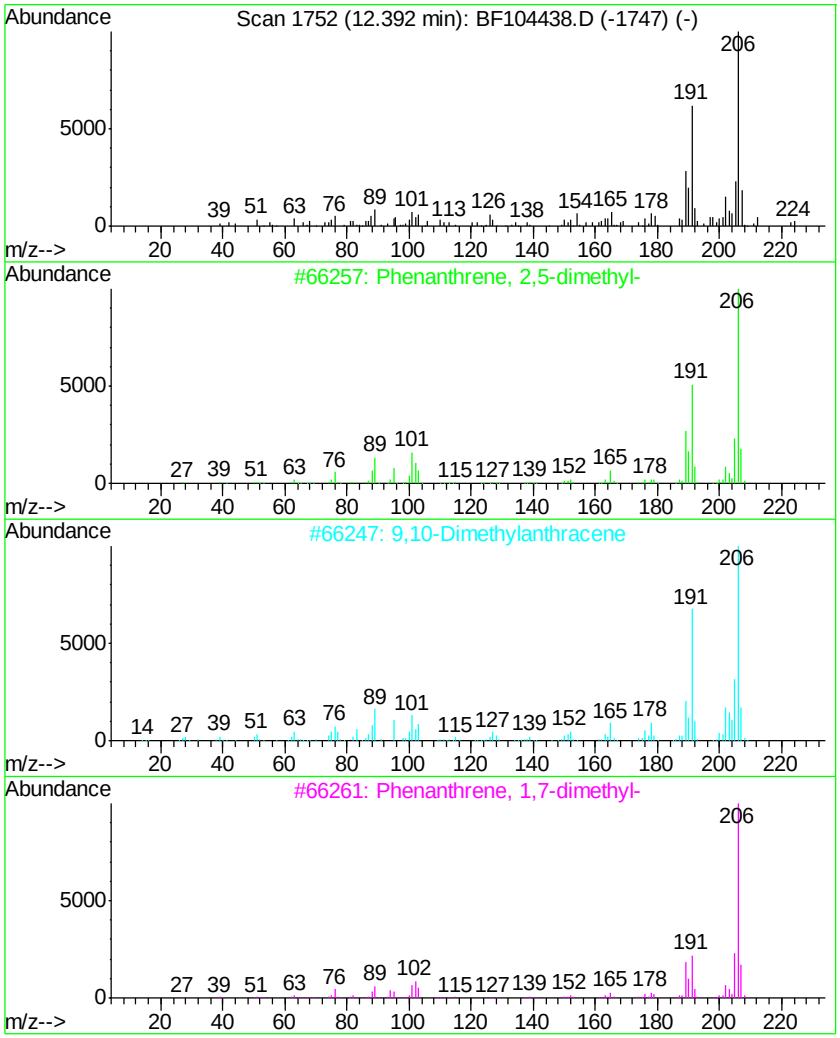
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

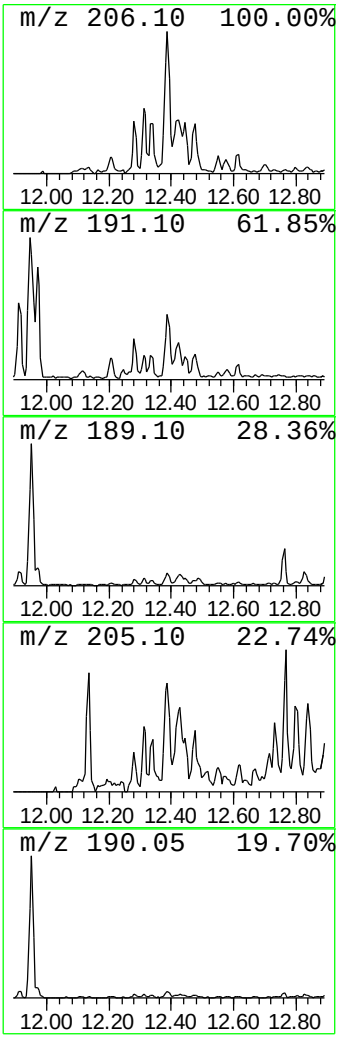
****

Peak Number 14 Phenanthrene, 2,5-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.39	2.74 ng	131007	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	89





Data Path : Z:\HPCHEM1\BNA F\DATA\BF041118\
Data File : BF104438.D
Acq On : 11 Apr 2018 15:15
Operator : JU/SJ
Sample : J2161-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-041018-A

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

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

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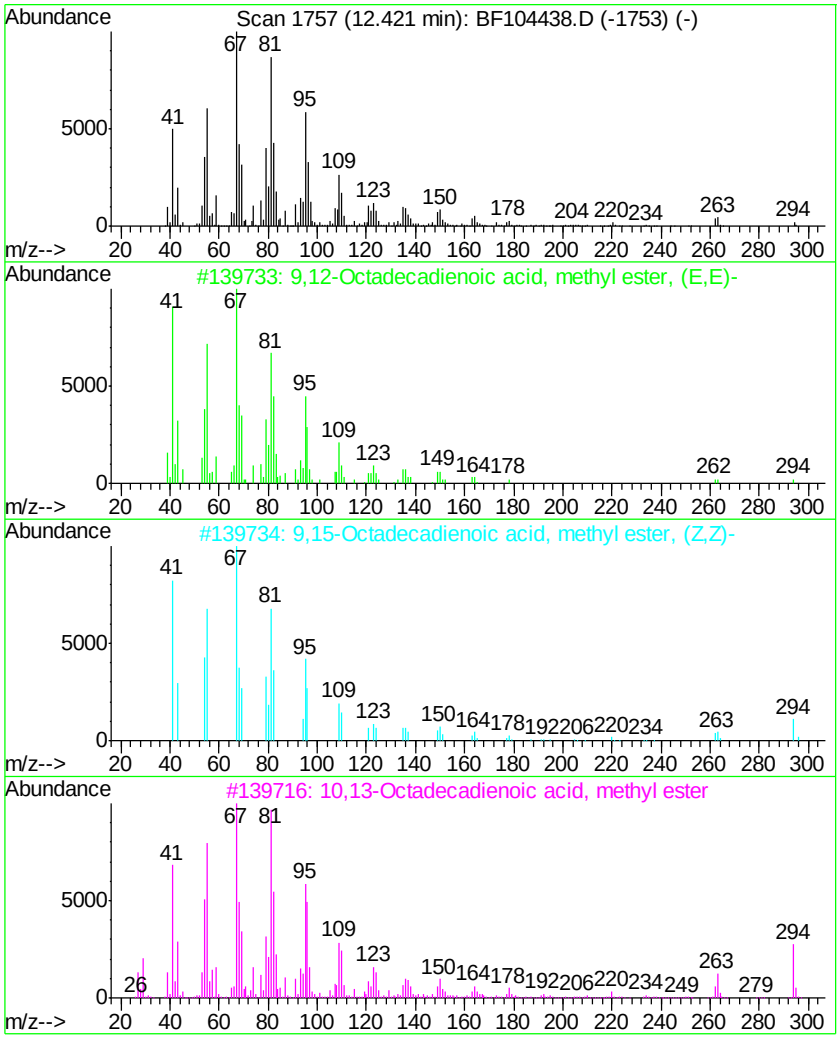
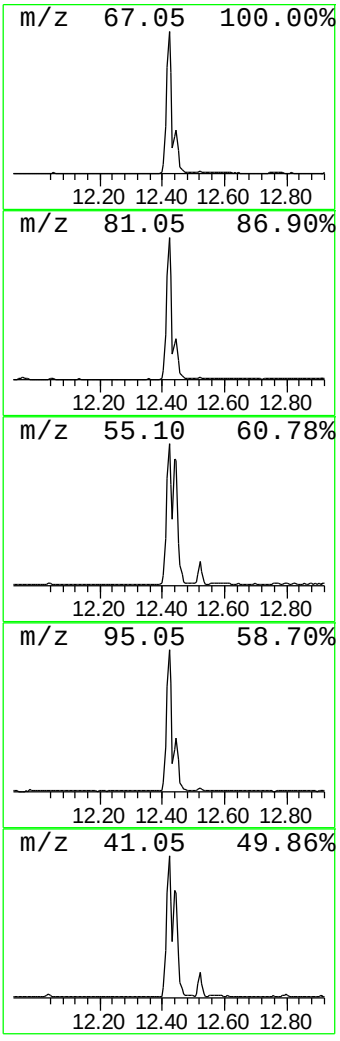
Peak Number 15 9,12-Octadecadienoic acid, ... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.42	99.31 ng	4743940	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002566-97-4	99
2	9,15-Octadecadienoic acid, methy...	294	C19H34O2	017309-05-6	99
3	10,13-Octadecadienoic acid, meth...	294	C19H34O2	056554-62-2	99
4	Methyl 10-trans,12-cis-octadecad...	294	C19H34O2	1000336-44-2	98
5	11,14-Octadecadienoic acid, meth...	294	C19H34O2	056554-61-1	98





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041118\
Data File : BF104438.D
Acq On : 11 Apr 2018 15:15
Operator : JU/SJ
Sample : J2161-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-041018-A

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

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

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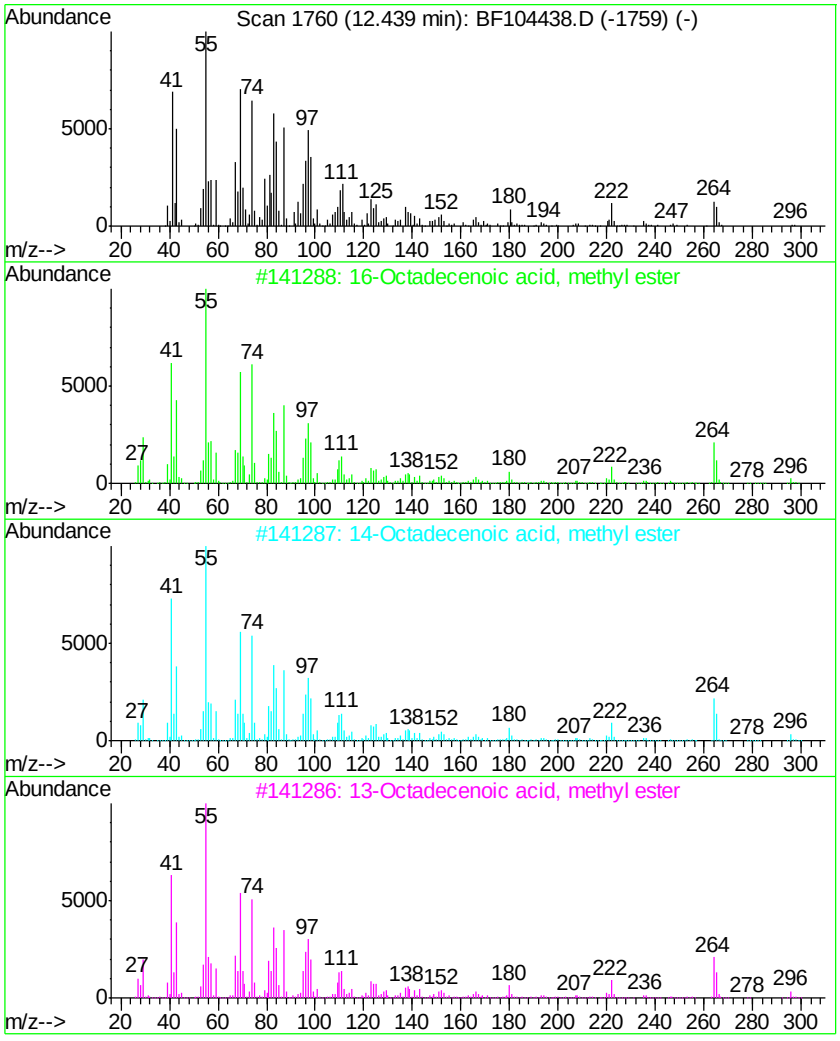
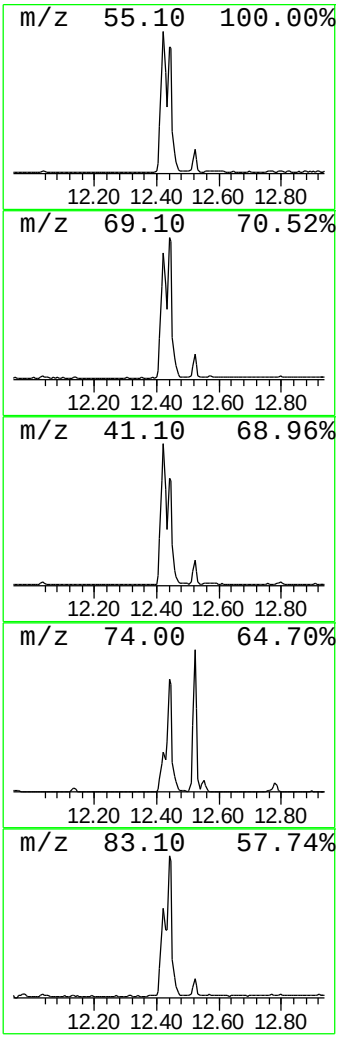
Peak Number 16 16-Octadecenoic acid, methy... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.44	60.30 ng	2880220	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	16-Octadecenoic acid, methyl ester	296	C19H36O2	056554-49-5	99
2	14-Octadecenoic acid, methyl ester	296	C19H36O2	056554-48-4	99
3	13-Octadecenoic acid, methyl ester	296	C19H36O2	056554-47-3	98
4	15-Octadecenoic acid, methyl ester	296	C19H36O2	004764-72-1	97
5	12-Octadecenoic acid, methyl ester	296	C19H36O2	056554-46-2	92





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Sample : J2161-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-041018-A

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

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

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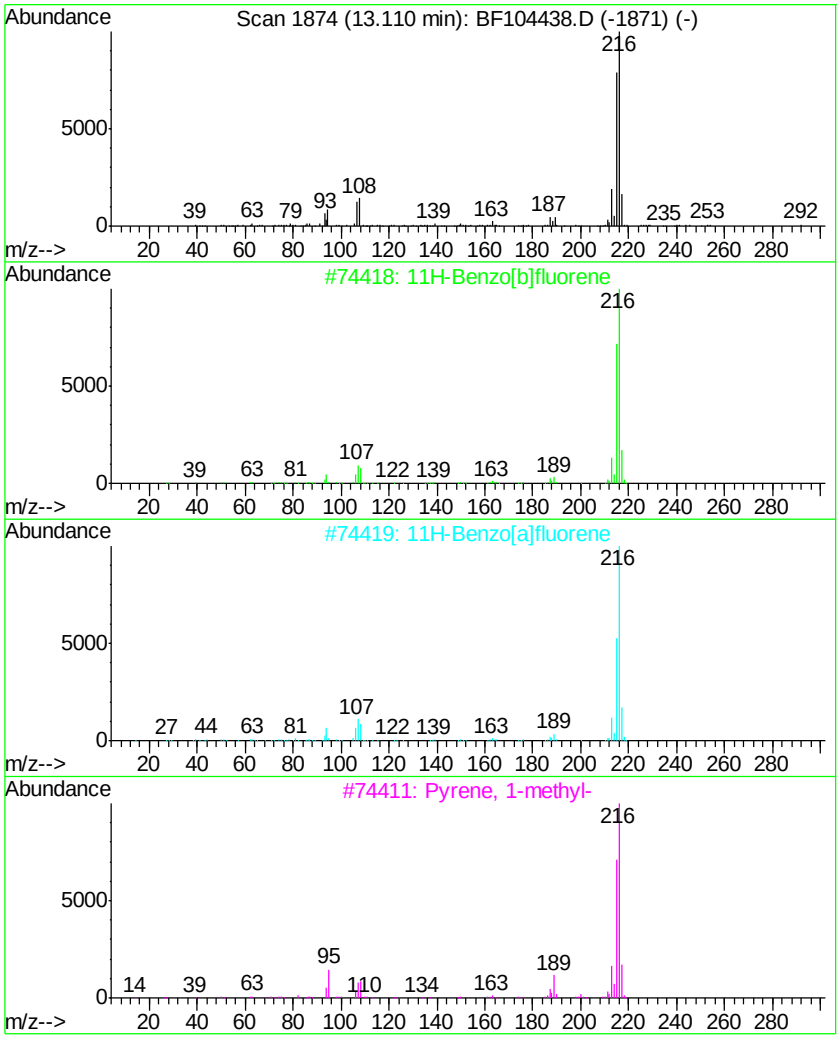
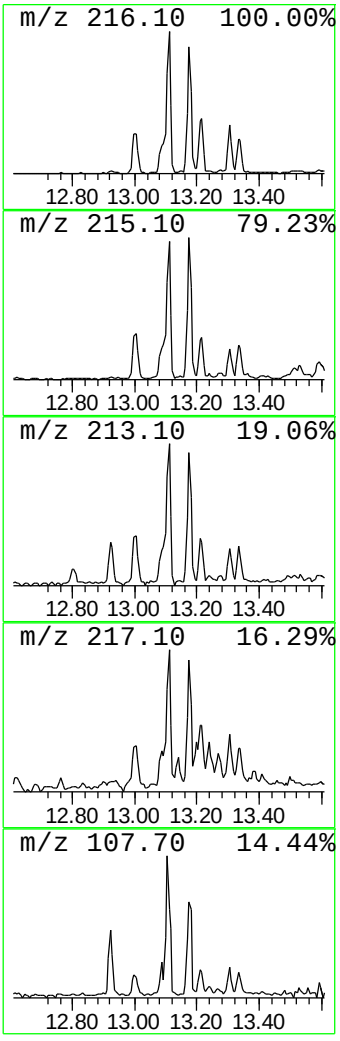
Peak Number 17 11H-Benzo[b]fluorene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.11	3.33 ng	265976	Chrysene-d12	13.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	94
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	81





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Acq On : 11 Apr 2018 15:15
Operator : JU/SJ
Sample : J2161-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-041018-A

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

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

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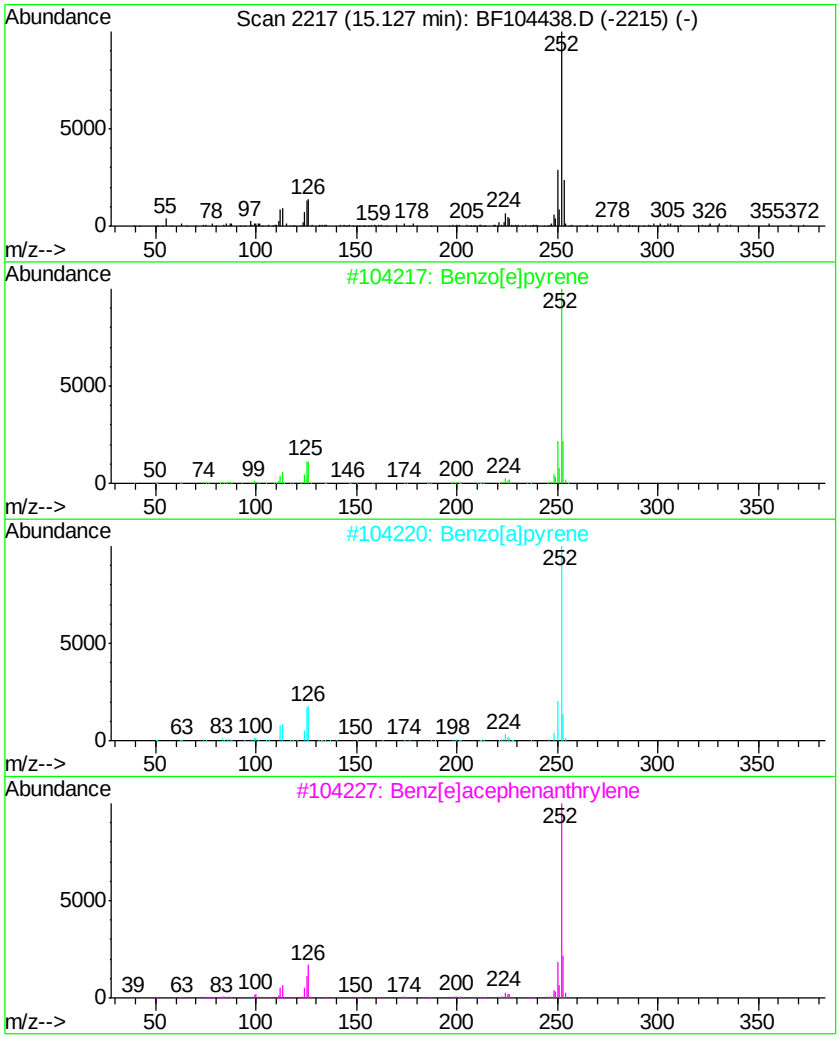
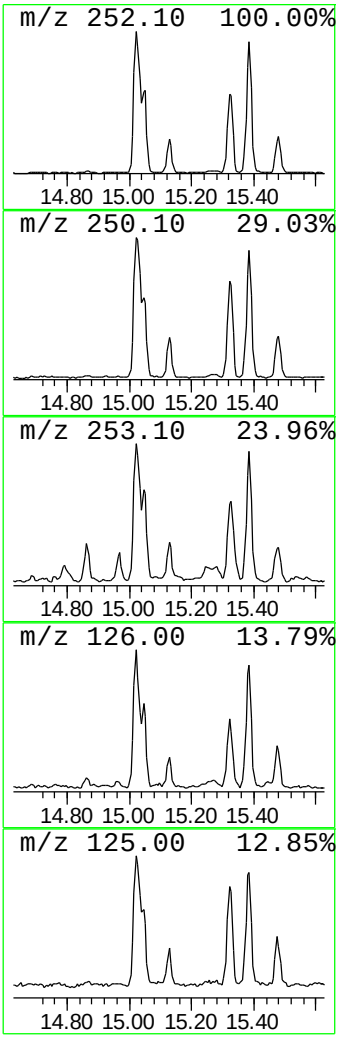
Peak Number 19 Benzo[e]pyrene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.13	2.94 ng	100948	Perylene-d12	15.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	93
2	Benzo[a]pyrene	252	C20H12	000050-32-8	93
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	91
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	91
5	Perylene	252	C20H12	000198-55-0	81





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041118\
Data File : BF104438.D
Acq On : 11 Apr 2018 15:15
Operator : JU/SJ
Sample : J2161-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-041018-A

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

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
unknown6.57	6.57	24.6	ng	971207	1	6.80	790959	20.0
Naphthalene, 2,3-...	9.50	2.4	ng	122881	3	9.85	1037330	20.0
Tritetracontane	10.75	4.0	ng	190301	4	11.33	955373	20.0
Eicosane	11.20	3.0	ng	142224	4	11.33	955373	20.0
Dibenzothiophene	11.23	2.8	ng	131562	4	11.33	955373	20.0
Hexadecanoic acid...	11.73	27.6	ng	1319860	4	11.33	955373	20.0
Phenanthrene, 2-m...	11.83	3.4	ng	163721	4	11.33	955373	20.0
4H-Cyclopenta[def...	11.95	7.5	ng	355683	4	11.33	955373	20.0
Pentadecane	12.03	2.5	ng	117818	4	11.33	955373	20.0
Naphthalene, 2-ph...	12.13	2.6	ng	123399	4	11.33	955373	20.0
Phenanthrene, 2,5...	12.39	2.7	ng	131007	4	11.33	955373	20.0
9,12-Octadecadien...	12.42	99.3	ng	4743940	4	11.33	955373	20.0
16-Octadecenoic a...	12.44	60.3	ng	2880220	4	11.33	955373	20.0
11H-Benzo[b]fluorene	13.11	3.3	ng	265976	5	13.98	1596450	20.0
Benzo[e]pyrene	15.13	2.9	ng	100948	6	15.45	686233	20.0