LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073118\
Data File : BF107860.D
Acq On : 31 Jul 2018 20:07
Operator : JU/SJ
Sample : J4231-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2018-NYSEG-CLARK-AREA-14-1

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-BF073018.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	5.195	482	486	497	rBV	455234	603951	15.82%	1.059%
2	5.601	551	555	569	rBV	2067540	2890504	75.72%	5.070%
3	6.601	721	725	744	rBV	2119702	3329868	87.23%	5.840%
4	6.737	744	748	765	rVV	2844686	3430177	89.85%	6.016%
5	6.960	783	786	806	rVV	539827	891346	23.35%	1.563%
6	7.113	808	812	838	rVB	2277515	2676689	70.12%	4.695%
7	7.525	879	882	906	rBV	1247599	2177851	57.05%	3.820%
8	8.242	1000	1004	1034	rBV	960955	1427359	37.39%	2.503%
9	8.960	1121	1126	1137	rBV	39740	78032	2.04%	0.137%
10	9.054	1138	1142	1147	rBV	87270	93445	2.45%	0.164%
11	9.313	1182	1186	1201	rBV	3344118	3817502	100.00%	6.696%
12	9.419	1201	1204	1215	rVV3	61266	177150	4.64%	0.311%
13	9.513	1217	1220	1228	rVV	102964	173930	4.56%	0.305%
14	9.583	1228	1232	1240	rVV2	42574	87458	2.29%	0.153%
15	9.654	1240	1244	1247	rVV	79089	96732	2.53%	0.170%
16	9.707	1247	1253	1259	rVV	279300	350467	9.18%	0.615%
17	9.772	1262	1264	1272	rVB2	39231	63247	1.66%	0.111%
18	9.860	1276	1279	1285	rBV2	77676	91112	2.39%	0.160%
19	10.001	1299	1303	1306	rBV	1332723	1297173	33.98%	2.275%
20	10.030	1306	1308	1317	rVB	1182205	1196096	31.33%	2.098%
21	10.195	1333	1336	1340	rBV2	39313	56300	1.47%	0.099%
22	10.236	1340	1343	1352	rVB3	44977	75805	1.99%	0.133%
23	10.313	1352	1356	1359	rBV	30301	42889	1.12%	0.075%
24	10.407	1367	1372	1377	rBV2	44642	53006	1.39%	0.093%
25	10.460	1377	1381	1385	rBV2	31319	38878	1.02%	0.068%
26	10.554	1393	1397	1403	rBV	323503	411587	10.78%	0.722%
27	10.636	1406	1411	1413	rVB3	55493	73817	1.93%	0.129%
28	10.683	1417	1419	1422	rBV	48981	56081	1.47%	0.098%
29	10.795	1432	1438	1451	rBV	2056143	2627401	68.83%	4.608%
30	10.883	1451	1453	1463	rVB6	65365	150267	3.94%	0.264%
31	11.101	1483	1490	1493	rBV3	58872	95767	2.51%	0.168%
32	11.130	1493	1495	1501	rVV2	34882	53931	1.41%	0.095%
33	11.395	1537	1540	1550	rVB	184735	251637	6.59%	0.441%
34	11.495	1554	1557	1559	rBV	1093576	1196460	31.34%	2.098%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073118\
Data File : BF107860.D
Acq On : 31 Jul 2018 20:07
Operator : JU/SJ
Sample : J4231-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2018-NYSEG-CLARK-AREA-14-1

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-BF073018.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.524	1559	1562	1568	rVV	3187050	3521723	92.25%	6.177%
36	11.577	1568	1571	1584	rVB	972246	1367518	35.82%	2.399%
37	11.783	1604	1606	1610	rVB	152451	134103	3.51%	0.235%
38	11.830	1610	1614	1623	rVB2	64920	112009	2.93%	0.196%
39	12.001	1639	1643	1645	rBV	373130	401371	10.51%	0.704%
40	12.024	1645	1647	1653	rVB	259188	316198	8.28%	0.555%
41	12.077	1653	1656	1658	rBV	72002	66851	1.75%	0.117%
42	12.113	1658	1662	1665	rBV	569287	660187	17.29%	1.158%
43	12.295	1689	1693	1698	rBV	301460	388149	10.17%	0.681%
44	12.442	1713	1718	1721	rBV3	38977	57229	1.50%	0.100%
45	12.548	1732	1736	1739	rBV2	123891	143360	3.76%	0.251%
46	12.589	1739	1743	1744	rVV2	51466	60808	1.59%	0.107%
47	12.607	1744	1746	1749	rVB3	48409	40258	1.05%	0.071%
48	12.648	1749	1753	1760	rVB4	50882	100383	2.63%	0.176%
49	12.719	1761	1765	1773	rBV	2498749	2807402	73.54%	4.924%
50	12.813	1778	1781	1788	rVB	360499	405706	10.63%	0.712%
51	12.871	1788	1791	1797	rVB2	77763	123768	3.24%	0.217%
52	12.948	1797	1804	1811	rBV	2666571	3172782	83.11%	5.565%
53	13.077	1822	1826	1837	rBV	2659375	2912256	76.29%	5.108%
54	13.166	1837	1841	1846	rVB4	90532	158598	4.15%	0.278%
55	13.271	1852	1859	1865	rBV2	217246	403402	10.57%	0.708%
56	13.342	1867	1871	1873	rBV2	198616	208336	5.46%	0.365%
57	13.371	1873	1876	1884	rVB2	205464	317039	8.30%	0.556%
58	13.448	1886	1889	1891	rBV2	37901	47241	1.24%	0.083%
59	13.471	1891	1893	1895	rVV	75642	57157	1.50%	0.100%
60	13.501	1895	1898	1903	rVV	90448	102605	2.69%	0.180%
61	13.624	1916	1919	1922	rBV	69294	58916	1.54%	0.103%
62	13.901	1963	1966	1967	rBV	78672	71615	1.88%	0.126%
63	13.924	1967	1970	1972	rVV	139425	144375	3.78%	0.253%
64	13.954	1972	1975	1982	rVB2	395576	482407	12.64%	0.846%
65	14.095	1996	1999	2003	rVB	1405618	1129683	29.59%	1.981%
66	14.148	2003	2008	2011	rBV2	1258049	1971170	51.64%	3.457%
67	14.177	2011	2013	2023	rVV	687430	820947	21.50%	1.440%
68	14.254	2024	2026	2027	rVV	74584	58913	1.54%	0.103%
69	14.271	2027	2029	2032	rVB	99639	87301	2.29%	0.153%
70	14.495	2065	2067	2069	rBV2	55354	57311	1.50%	0.101%
71	14.536	2072	2074	2077	rVV2	83594	88928	2.33%	0.156%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073118\
Data File : BF107860.D
Acq On : 31 Jul 2018 20:07
Operator : JU/SJ
Sample : J4231-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2018-NYSEG-CLARK-AREA-14-1

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-BF073018.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	14.577	2078	2081	2085	rVV2	118352	147673	3.87%	0.259%
73	14.895	2133	2135	2139	rVB	79907	77634	2.03%	0.136%
74	15.230	2187	2192	2194	rBV	402773	690598	18.09%	1.211%
75	15.342	2208	2211	2219	rVB	104598	137162	3.59%	0.241%
76	15.548	2242	2246	2253	rVB	263908	388161	10.17%	0.681%
77	15.618	2253	2258	2262	rBV	459829	736898	19.30%	1.292%
78	15.683	2262	2269	2274	rVV2	527862	988663	25.90%	1.734%
79	17.265	2532	2538	2549	rBV2	161211	424914	11.13%	0.745%
80	17.742	2615	2619	2629	rVB2	99101	231681	6.07%	0.406%

Sum of corrected areas: 57015304

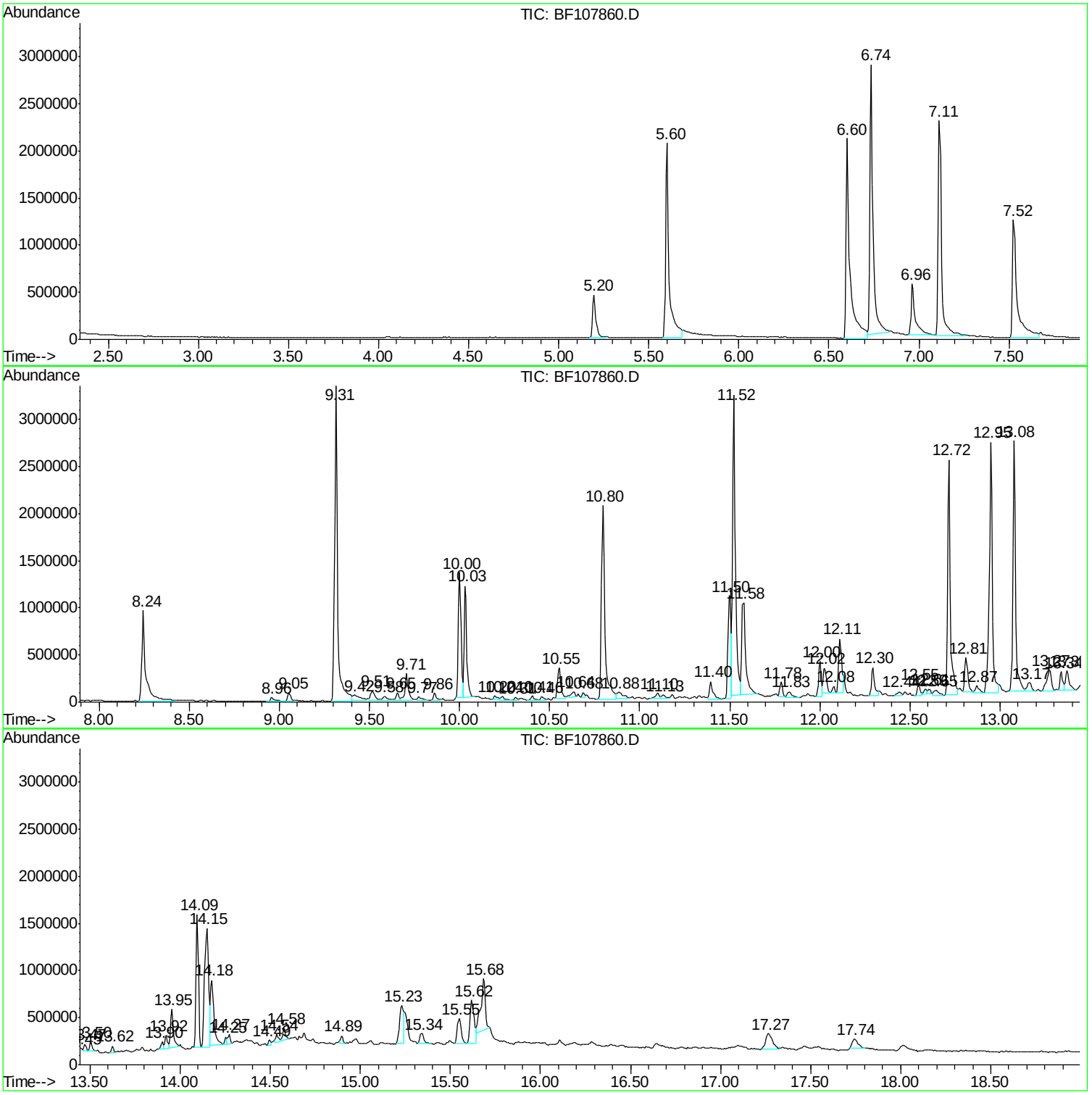
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073118\
Data File : BF107860.D
Acq On : 31 Jul 2018 20:07
Operator : JU/SJ
Sample : J4231-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
2018-NYSEG-CLARK-AREA-14-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073118\
Data File : BF107860.D
Acq On : 31 Jul 2018 20:07
Operator : JU/SJ
Sample : J4231-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2018-NYSEG-CLARK-AREA-14-1

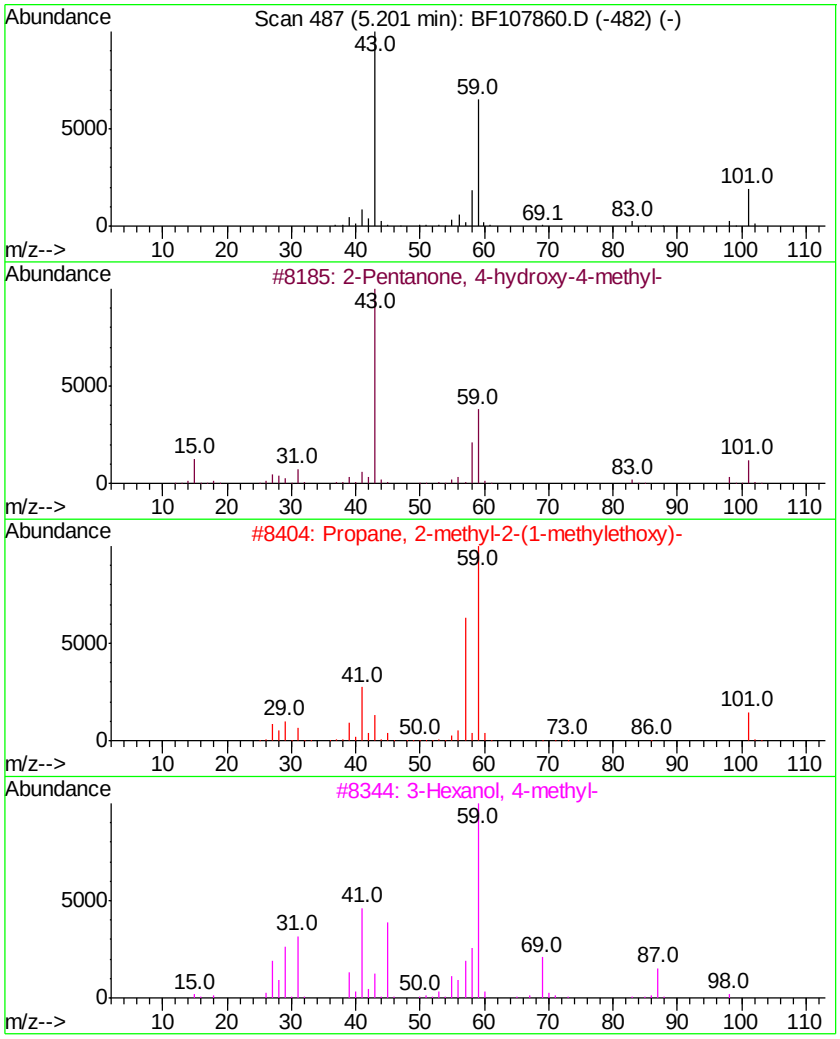
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

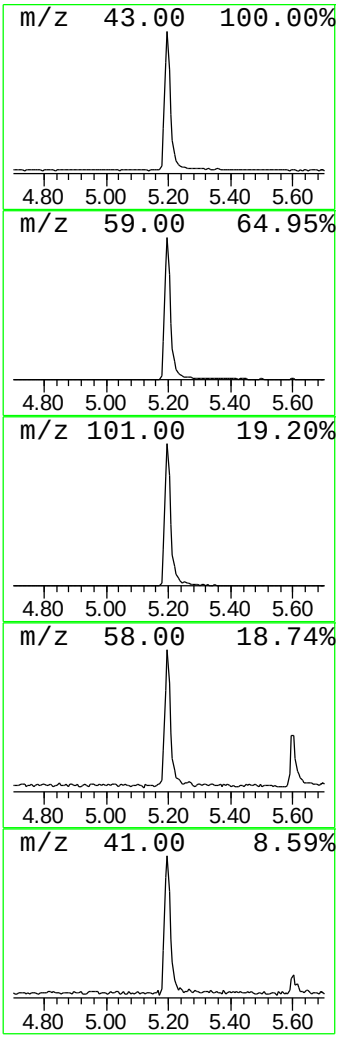
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.20	13.55 ng	603951	1,4-Dichlorobenzene-d4	6.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	36
3	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
4	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	28
5	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073118\
Data File : BF107860.D
Acq On : 31 Jul 2018 20:07
Operator : JU/SJ
Sample : J4231-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2018-NYSEG-CLARK-AREA-14-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

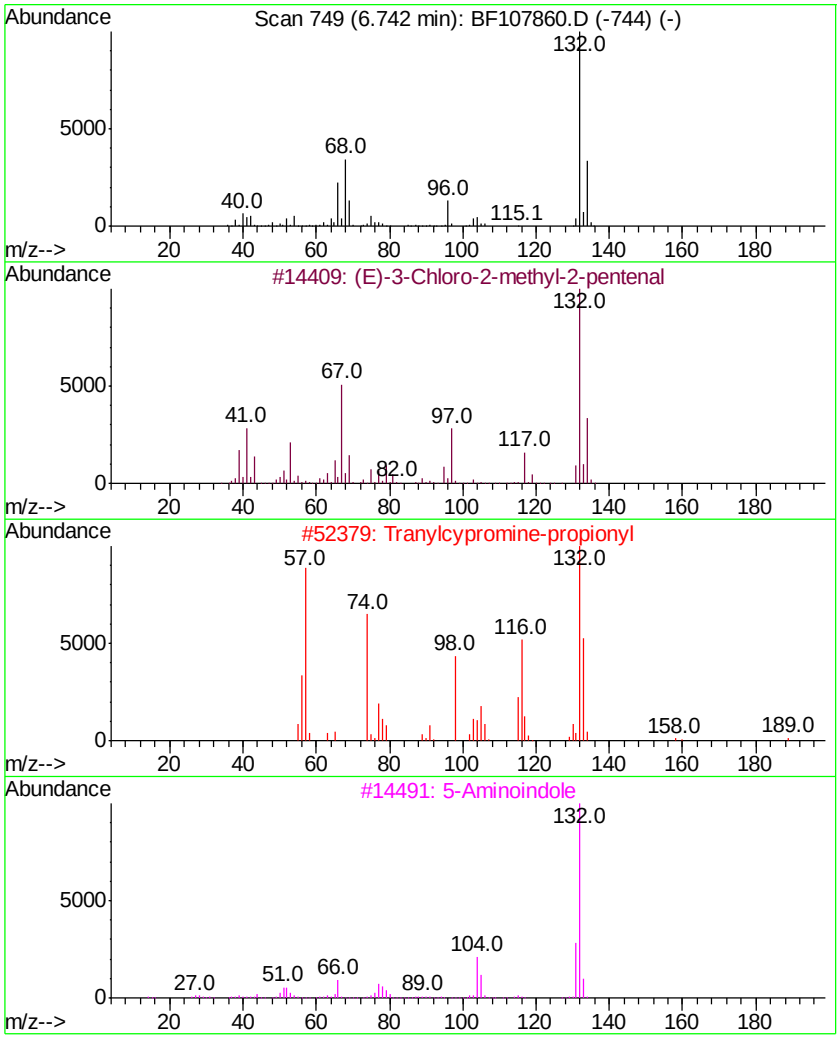
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

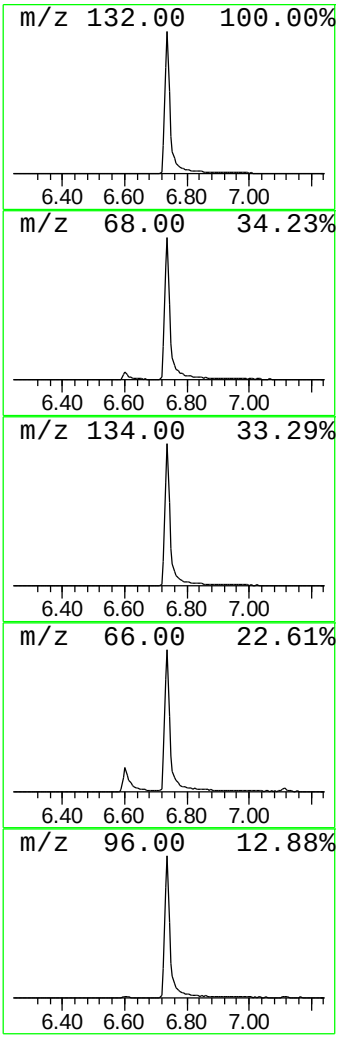
****

Peak Number 2 unknown6.74 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.74	76.97 ng	3430180	1,4-Dichlorobenzene-d4	6.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	35
2	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
3	5-Aminoindole	132	C8H8N2	005192-03-0	12
4	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9
5	4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073118\
Data File : BF107860.D
Acq On : 31 Jul 2018 20:07
Operator : JU/SJ
Sample : J4231-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2018-NYSEG-CLARK-AREA-14-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

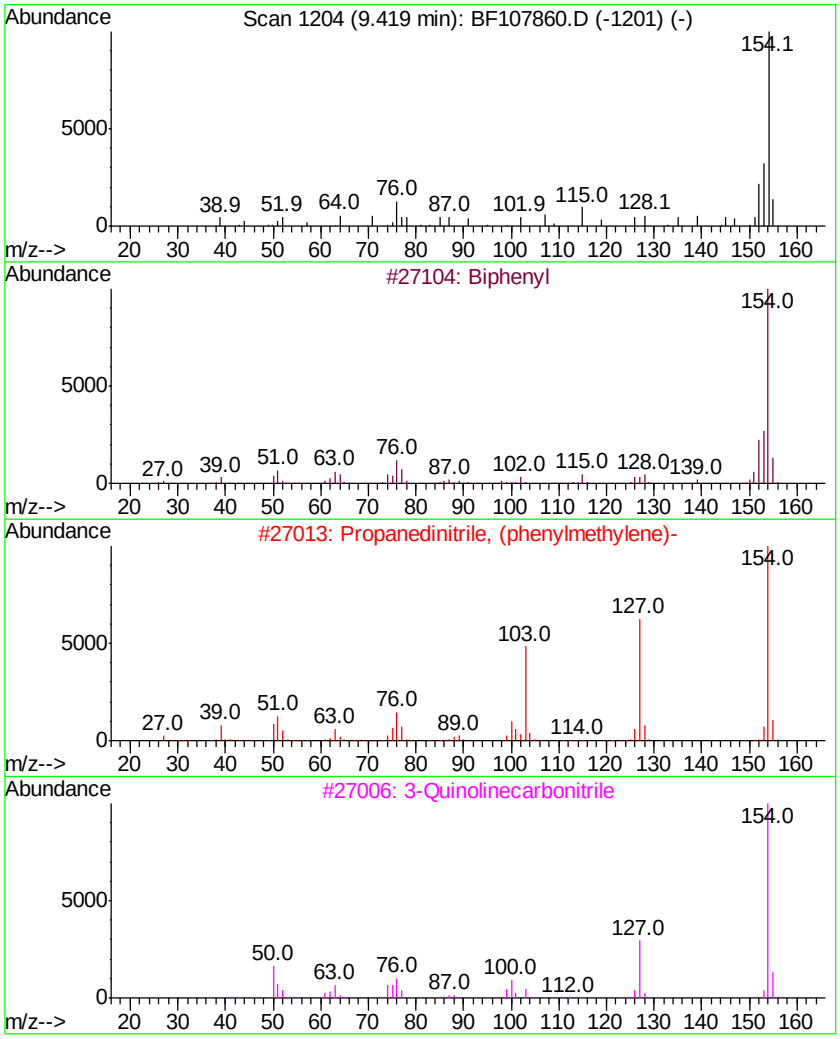
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

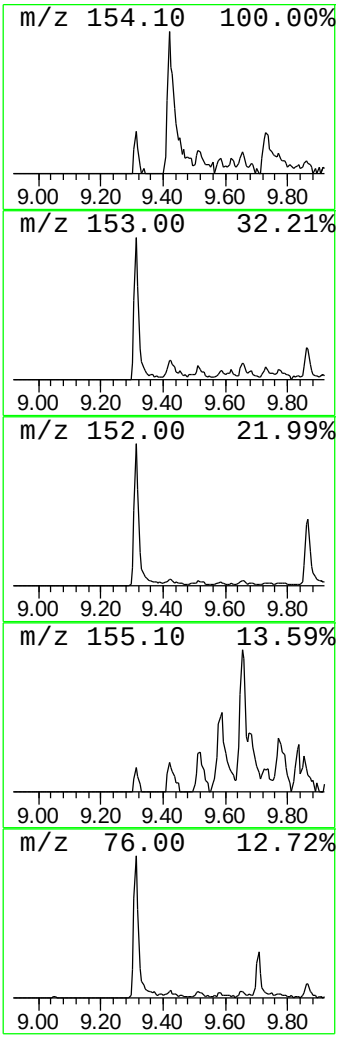
****

Peak Number 4 Biphenyl Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.42	2.73 ng	177150	Acenaphthene-d10	10.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Biphenyl	154	C12H10	000092-52-4	68
2	Propanedinitrile, (phenylmethyle...	154	C10H6N2	002700-22-3	47
3	3-Quinolinecarbonitrile	154	C10H6N2	034846-64-5	47
4	6-Cyanoquinoline	154	C10H6N2	023395-72-4	47
5	Acenaphthene	154	C12H10	000083-32-9	43





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073118\
Data File : BF107860.D
Acq On : 31 Jul 2018 20:07
Operator : JU/SJ
Sample : J4231-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
2018-NYSEG-CLARK-AREA-14-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

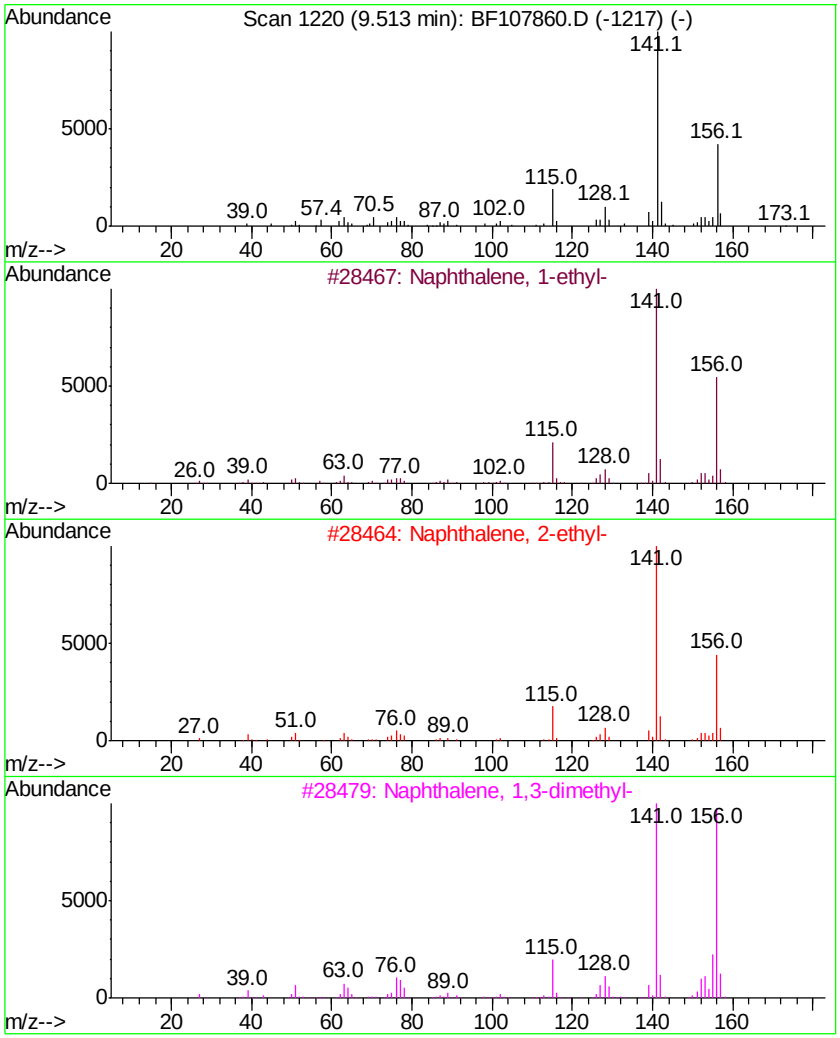
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

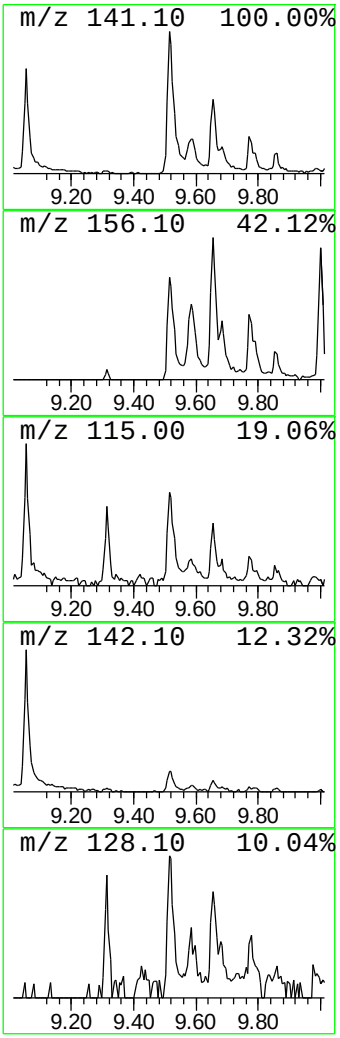
****

Peak Number 5 Naphthalene, 1-ethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.51	2.68 ng	173930	Acenaphthene-d10	10.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	97
2	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	96
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	90
4	2-Thiophenecarboxylic acid, 5-et...	156	C7H8O2S	023229-72-3	59
5	5-Acetyl-2-amino-4-methylthiazole	156	C6H8N2OS	030748-47-1	53





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073118\
Data File : BF107860.D
Acq On : 31 Jul 2018 20:07
Operator : JU/SJ
Sample : J4231-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2018-NYSEG-CLARK-AREA-14-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

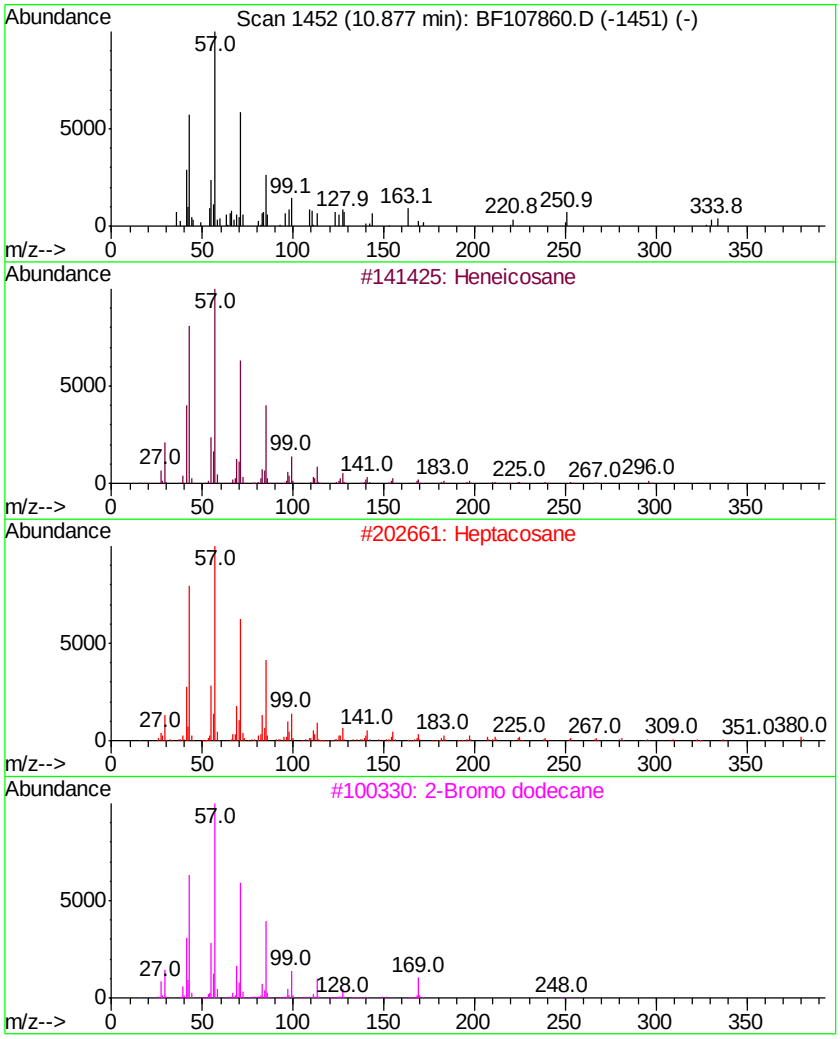
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

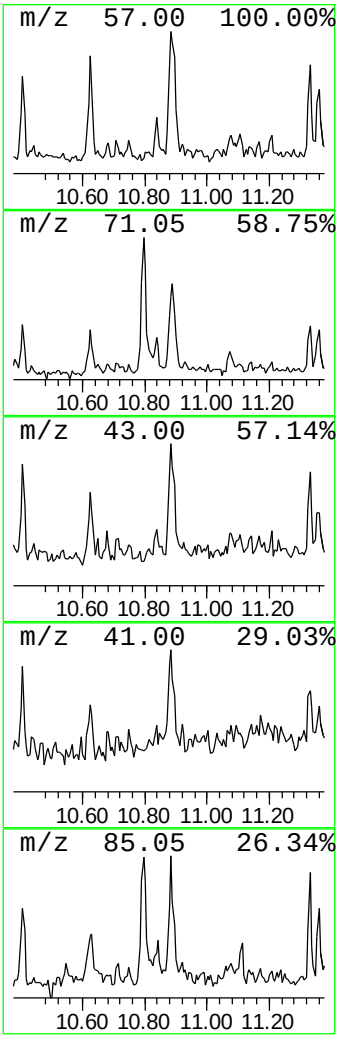
****

Peak Number 6 Heneicosane Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.88	2.51 ng	150267	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	64
2	Heptacosane	380	C27H56	000593-49-7	64
3	2-Bromo dodecane	248	C12H25Br	013187-99-0	64
4	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	64
5	Octadecane, 1-iodo-	380	C18H37I	000629-93-6	59





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073118\
Data File : BF107860.D
Acq On : 31 Jul 2018 20:07
Operator : JU/SJ
Sample : J4231-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2018-NYSEG-CLARK-AREA-14-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

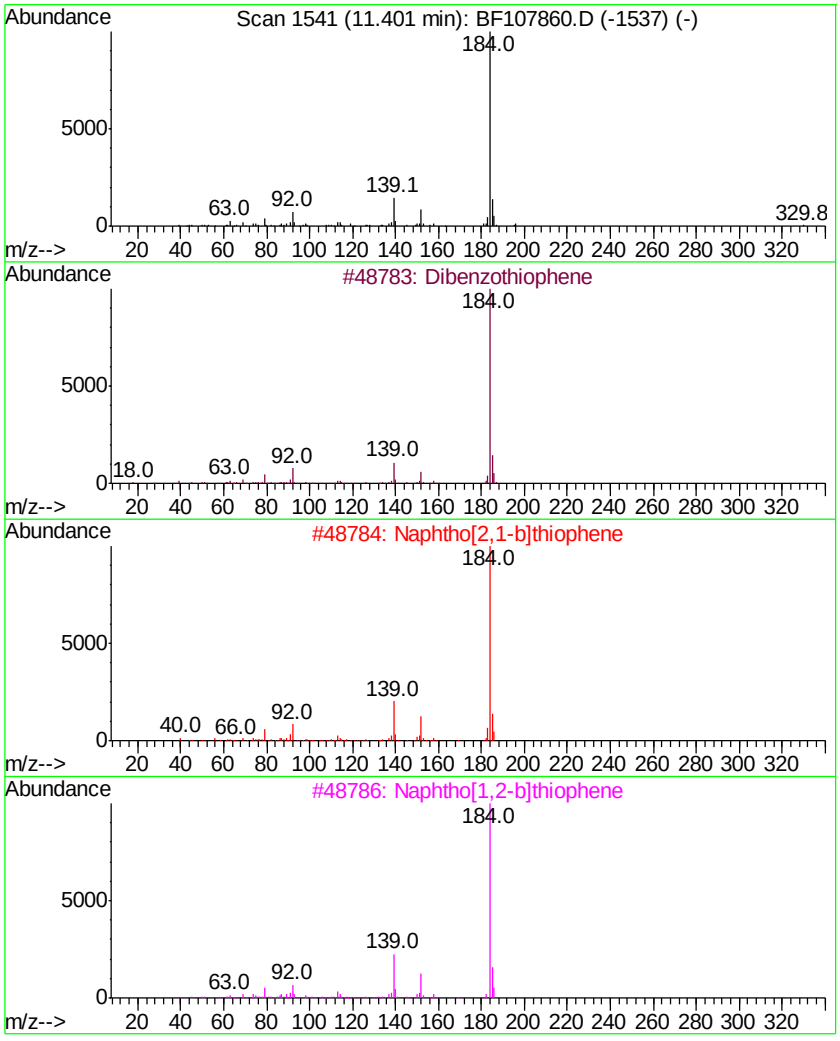
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

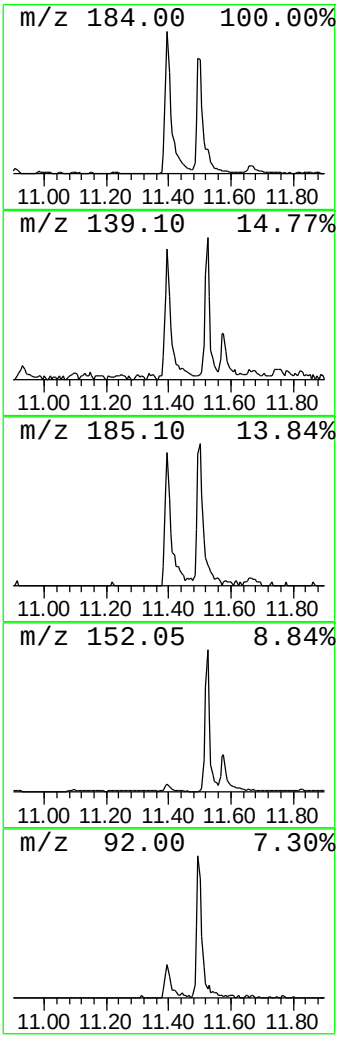
****

Peak Number 7 Dibenzothiophene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.40	4.21 ng	251637	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	97
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	94
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	83
5	1,1'-Biphenyl, 2-methoxy-	184	C13H12O	000086-26-0	72





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073118\
Data File : BF107860.D
Acq On : 31 Jul 2018 20:07
Operator : JU/SJ
Sample : J4231-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2018-NYSEG-CLARK-AREA-14-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

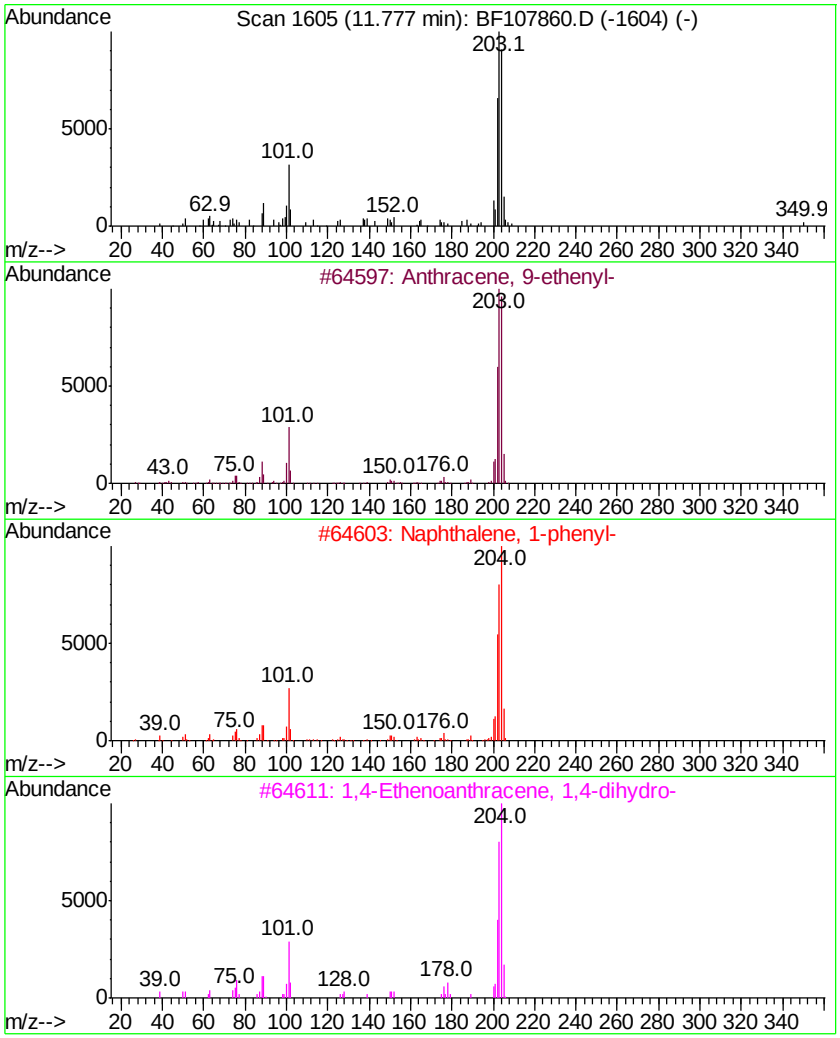
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

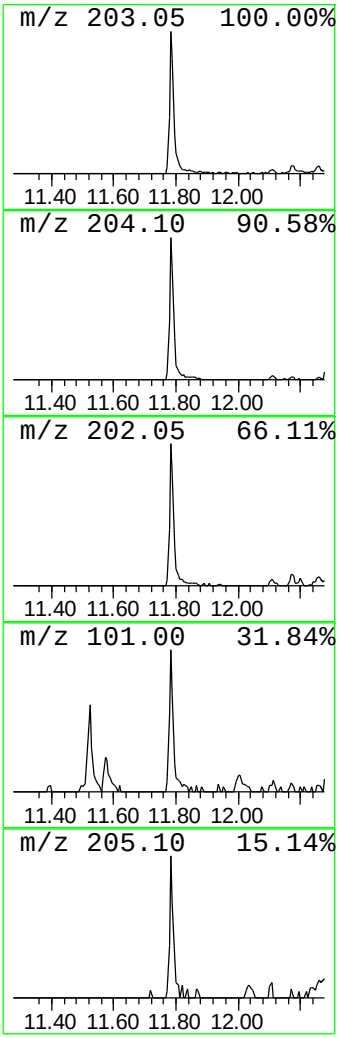
****

Peak Number 8 Anthracene, 9-ethenyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.78	2.24 ng	134103	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	90
2	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	83
3	1,4-Ethenoanthracene, 1,4-dihydro-	204	C16H12	027765-96-4	81
4	1H-Indene, 1-(phenylmethylene)-	204	C16H12	005394-86-5	81
5	Cyclobuta[1'',2'':3,4:3'',4'':3'...	204	C16H12	006574-36-3	68





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073118\
Data File : BF107860.D
Acq On : 31 Jul 2018 20:07
Operator : JU/SJ
Sample : J4231-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
2018-NYSEG-CLARK-AREA-14-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

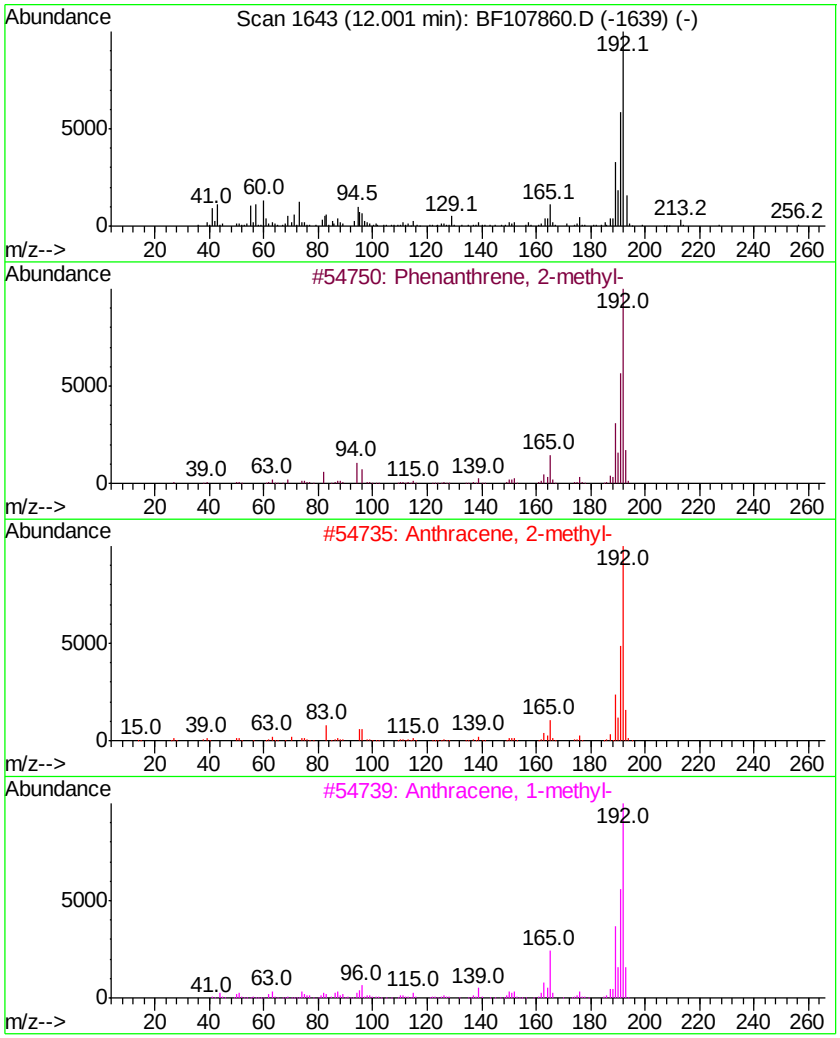
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

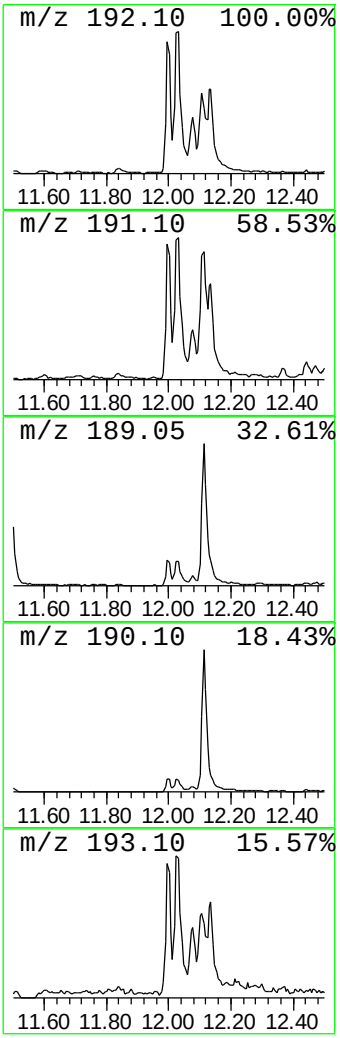
****

Peak Number 9 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.00	6.71 ng	401371	Phenanthrene-d10	11.50

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	96
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	92
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	89





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073118\
Data File : BF107860.D
Acq On : 31 Jul 2018 20:07
Operator : JU/SJ
Sample : J4231-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2018-NYSEG-CLARK-AREA-14-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

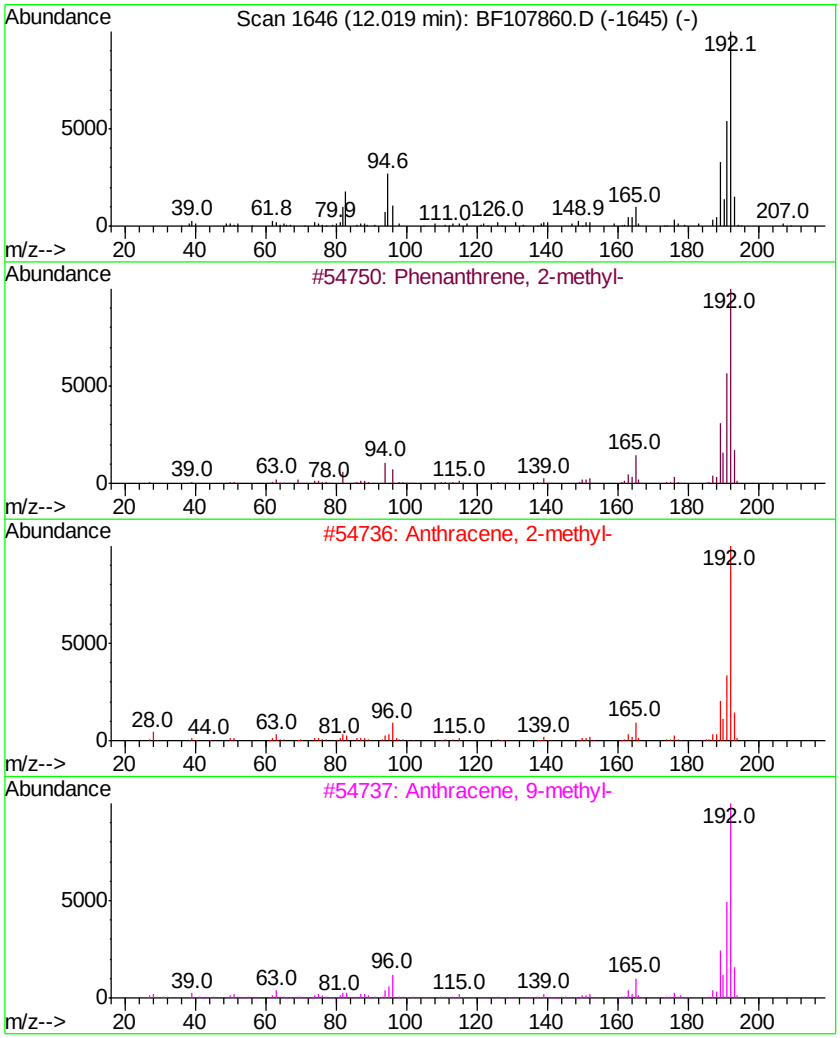
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

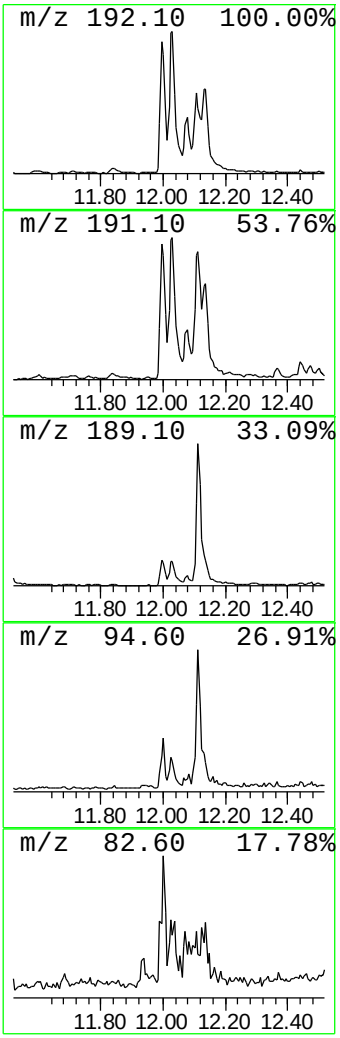
****

Peak Number 10 Anthracene, 9-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	5.29 ng	316198	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073118\
Data File : BF107860.D
Acq On : 31 Jul 2018 20:07
Operator : JU/SJ
Sample : J4231-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2018-NYSEG-CLARK-AREA-14-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

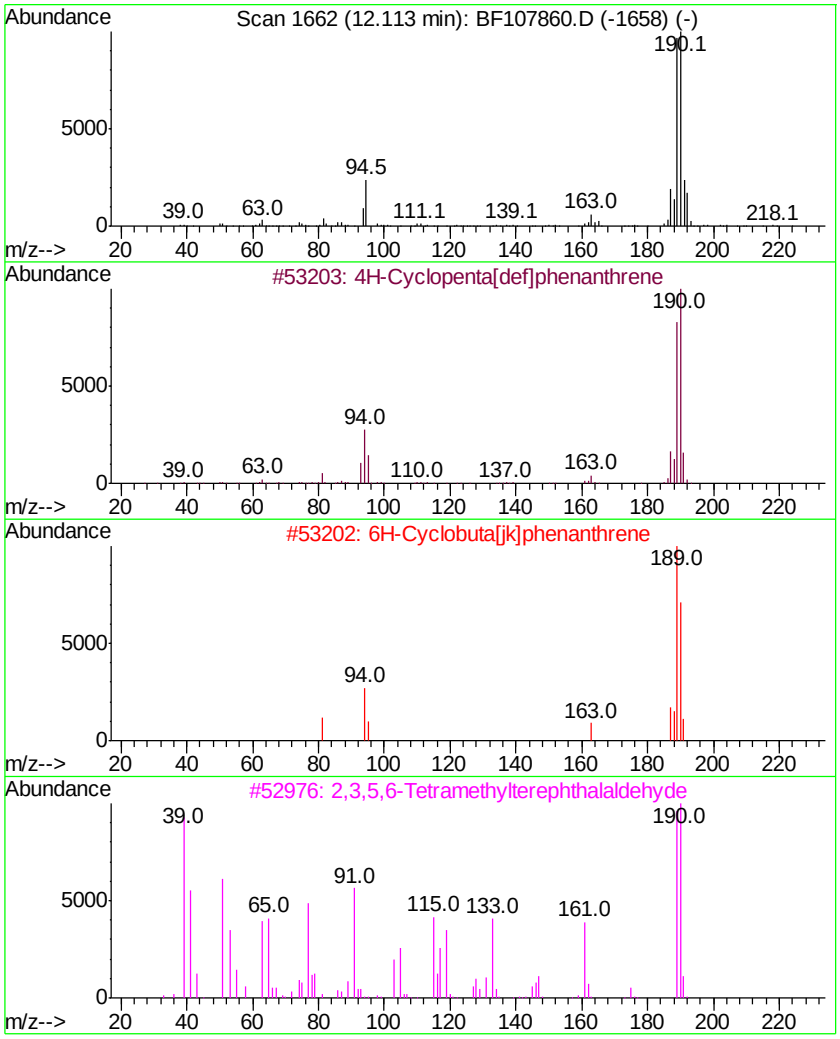
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

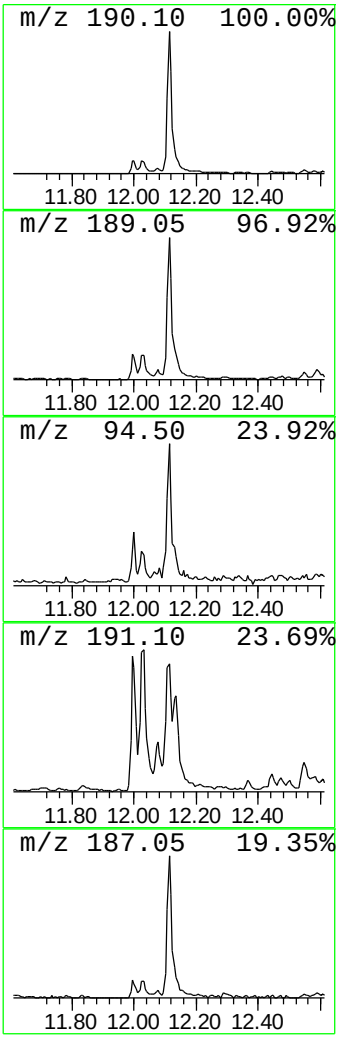
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.11	11.04 ng	660187	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	95
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	50
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45
5	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	40





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073118\
Data File : BF107860.D
Acq On : 31 Jul 2018 20:07
Operator : JU/SJ
Sample : J4231-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2018-NYSEG-CLARK-AREA-14-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

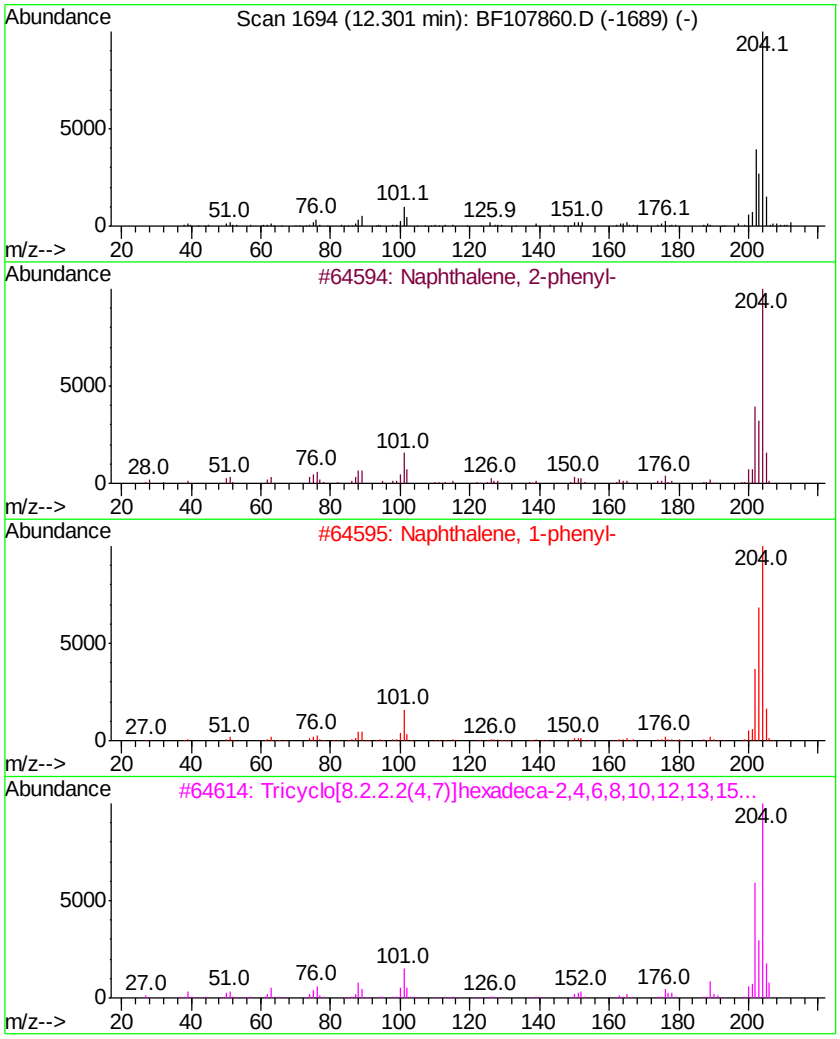
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

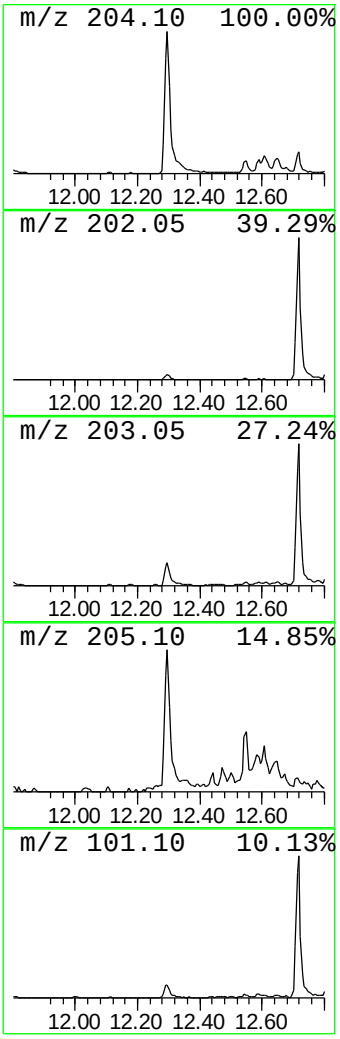
****

Peak Number 12 Naphthalene, 2-phenyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	6.49 ng	388149	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	95
2	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	60
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	58
4	Levamisole	204	C11H12N2S	014769-73-4	49
5	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	46





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073118\
Data File : BF107860.D
Acq On : 31 Jul 2018 20:07
Operator : JU/SJ
Sample : J4231-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2018-NYSEG-CLARK-AREA-14-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

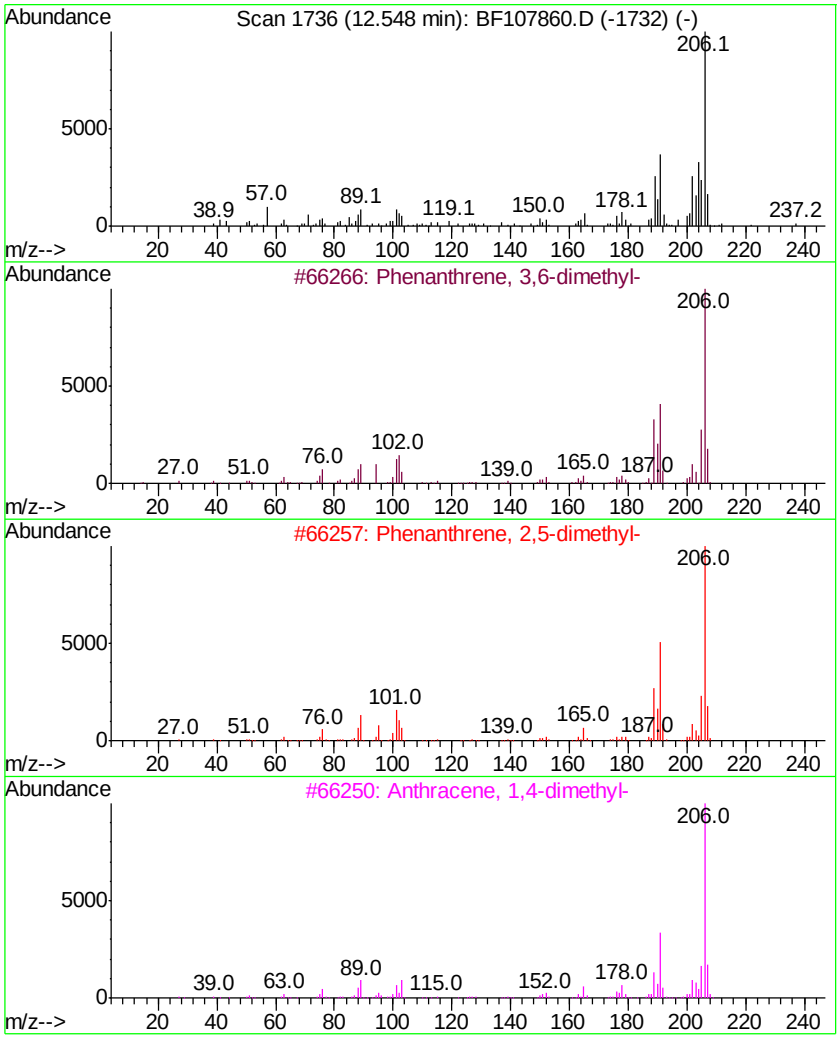
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

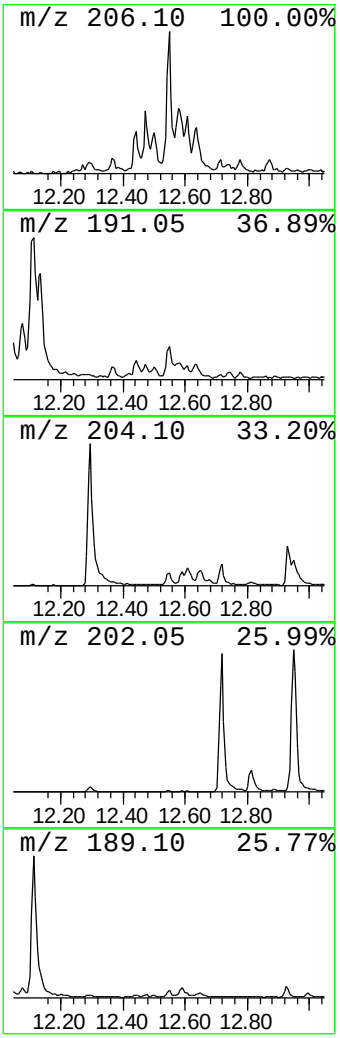
****

Peak Number 13 Phenanthrene, 3,6-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.55	2.40 ng	143360	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	90
3	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	89
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	76
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	76





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073118\
Data File : BF107860.D
Acq On : 31 Jul 2018 20:07
Operator : JU/SJ
Sample : J4231-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
2018-NYSEG-CLARK-AREA-14-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

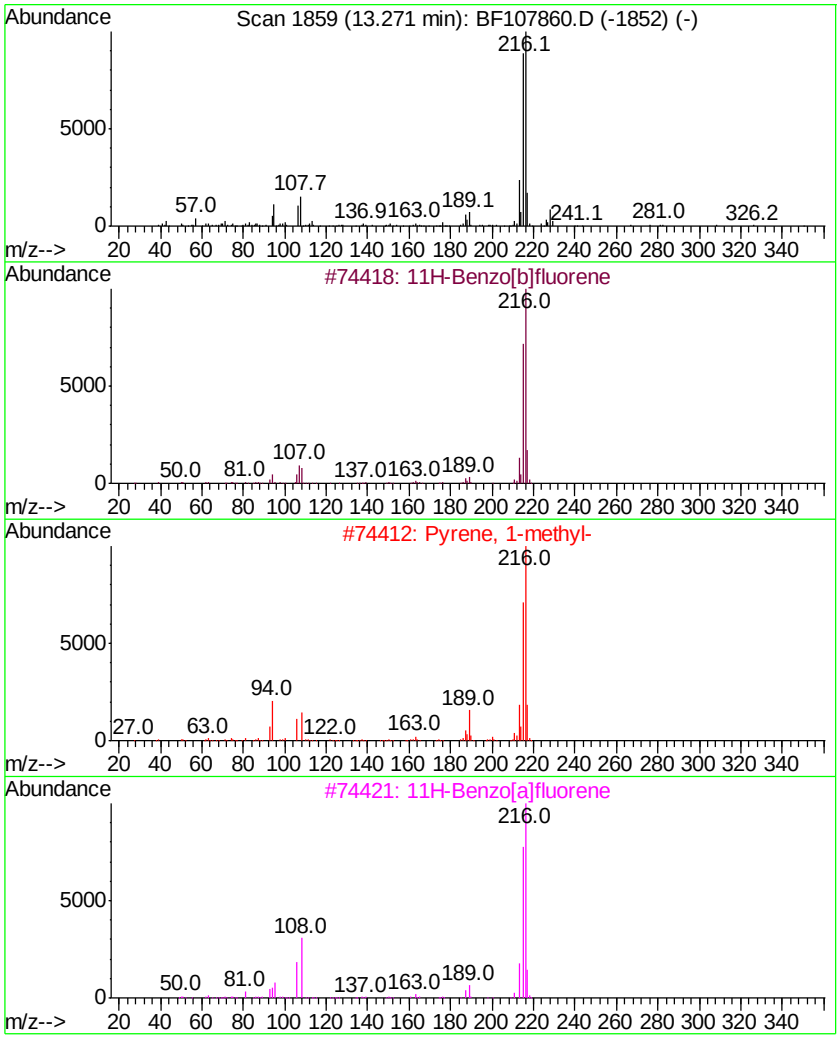
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

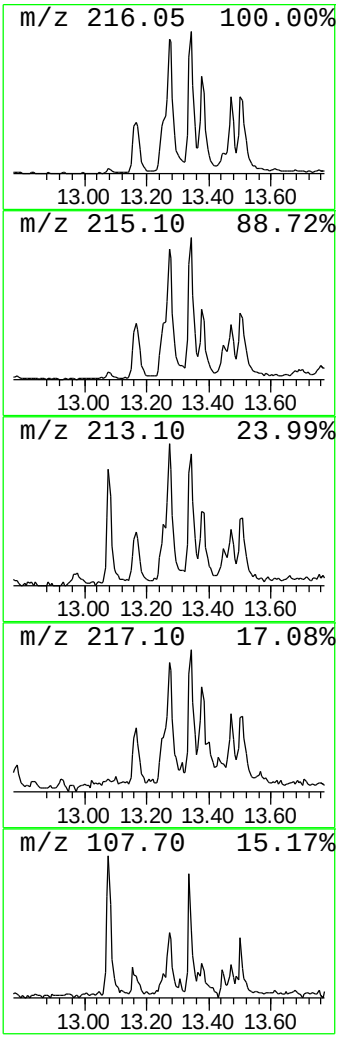
****

Peak Number 15 11H-Benzo[b]fluorene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.27	4.09 ng	403402	Chrysene-d12	14.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	83
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81
5	4-Trifluoromethylcinnamic acid	216	C10H7F3O2	002062-26-2	59





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073118\
Data File : BF107860.D
Acq On : 31 Jul 2018 20:07
Operator : JU/SJ
Sample : J4231-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2018-NYSEG-CLARK-AREA-14-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

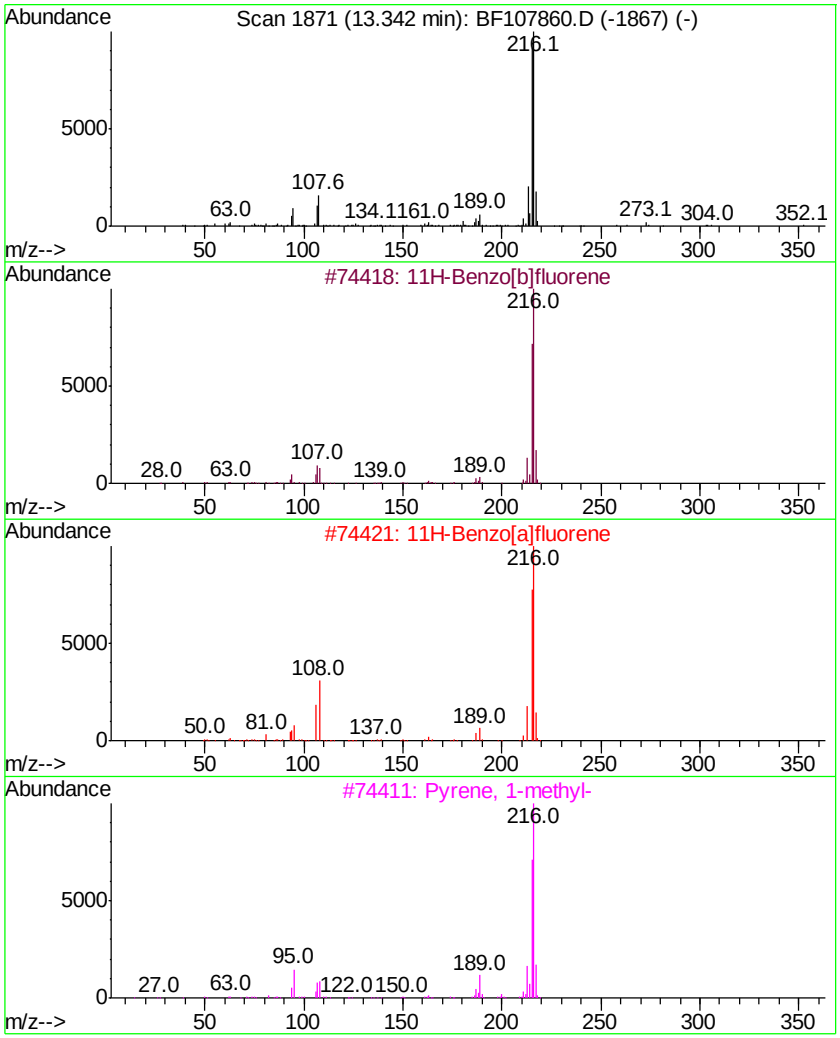
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

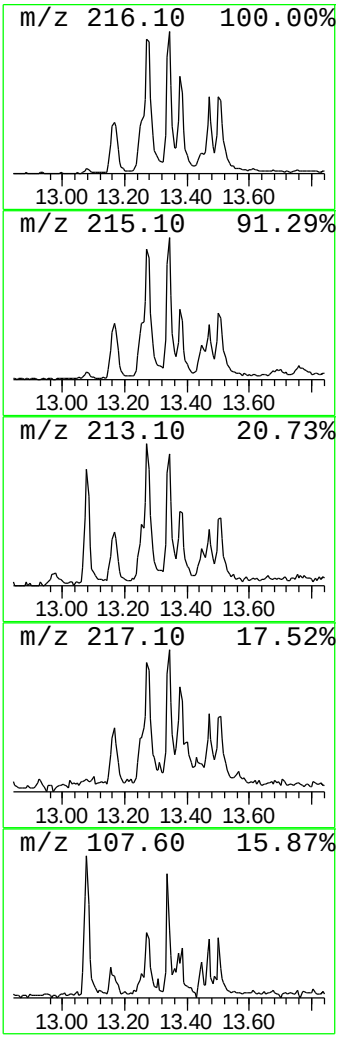
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.34	2.11 ng	208336	Chrysene-d12	14.15

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	87
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
4	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	81
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	64





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073118\
Data File : BF107860.D
Acq On : 31 Jul 2018 20:07
Operator : JU/SJ
Sample : J4231-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2018-NYSEG-CLARK-AREA-14-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

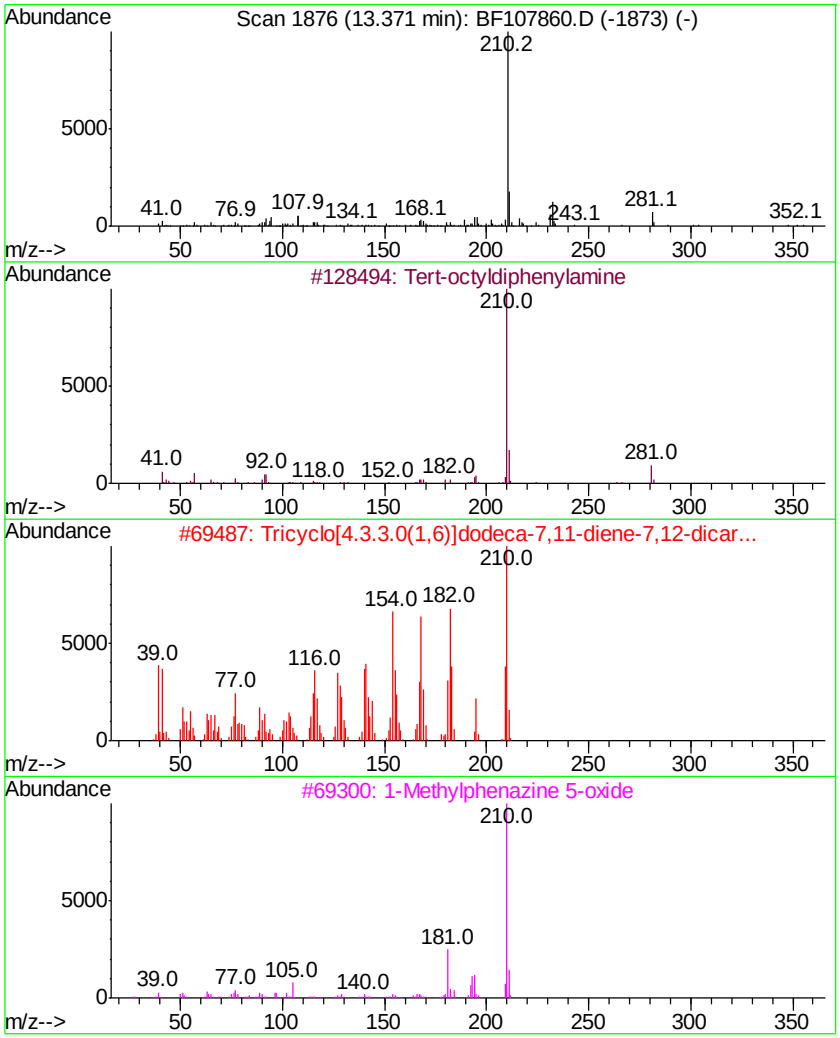
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

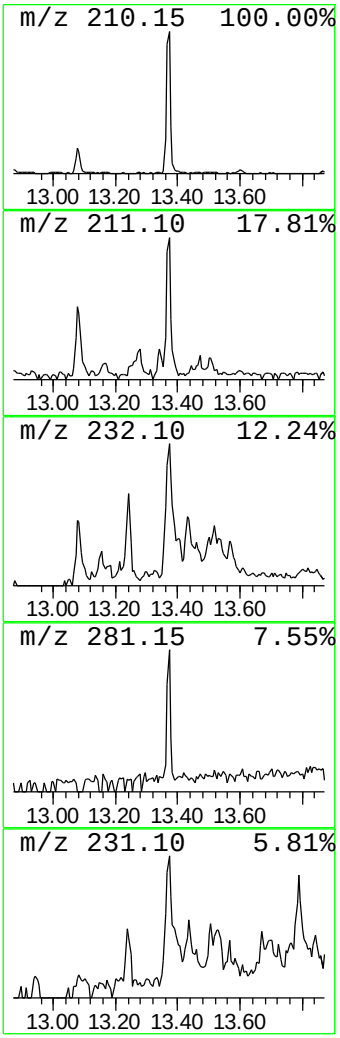
****

Peak Number 17 Tert-octyldiphenylamine Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.37	3.22 ng	317039	Chrysene-d12	14.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tert-octyldiphenylamine	281	C20H27N	1000370-31-3	95
2	Tricyclo[4.3.3.0(1,6)]dodeca-7,1...	210	C14H14N2	119657-40-8	60
3	1-Methylphenazine 5-oxide	210	C13H10N2O	014202-95-0	59
4	Biacetyl mono((3,4-dimethyl-5-is...	210	C9H14N4O2	093263-84-4	59
5	1-Acetoxy-6-methylphenazine	252	C15H12N2O2	014031-09-5	59





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073118\
Data File : BF107860.D
Acq On : 31 Jul 2018 20:07
Operator : JU/SJ
Sample : J4231-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2018-NYSEG-CLARK-AREA-14-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

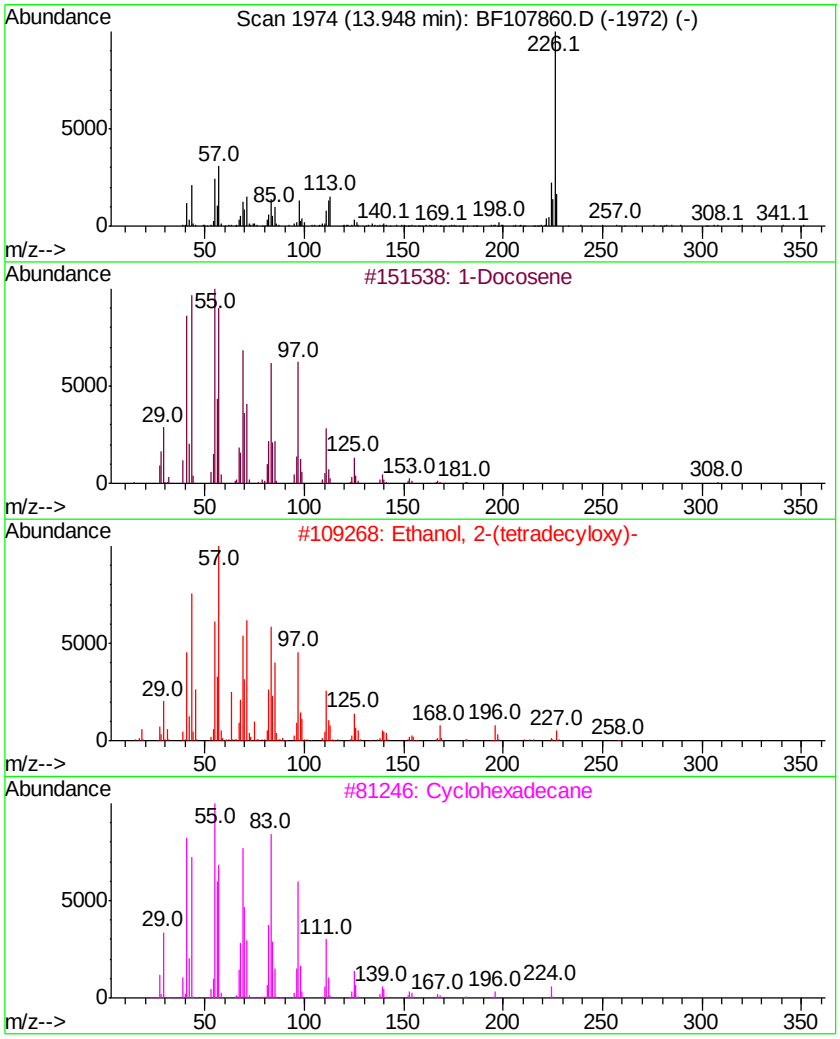
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

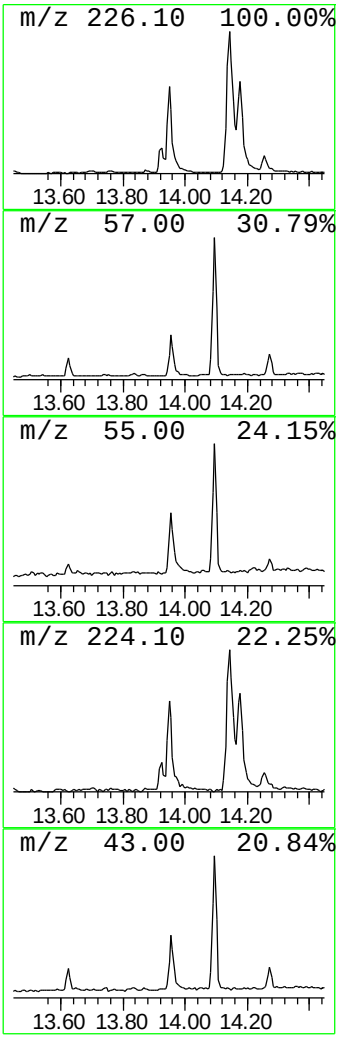
****

Peak Number 18 1-Docosene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.95	4.89 ng	482407	Chrysene-d12	14.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Docosene	308	C22H44	001599-67-3	53
2	Ethanol, 2-(tetradecyloxy)-	258	C16H34O2	002136-70-1	50
3	Cyclohexadecane	224	C16H32	000295-65-8	49
4	Oxalic acid, isobutyl hexadecyl ...	370	C22H42O4	1000309-38-1	45
5	Octacosyl heptafluorobutyrate	606	C32H57F7O2	1000351-83-6	45





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073118\
Data File : BF107860.D
Acq On : 31 Jul 2018 20:07
Operator : JU/SJ
Sample : J4231-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2018-NYSEG-CLARK-AREA-14-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

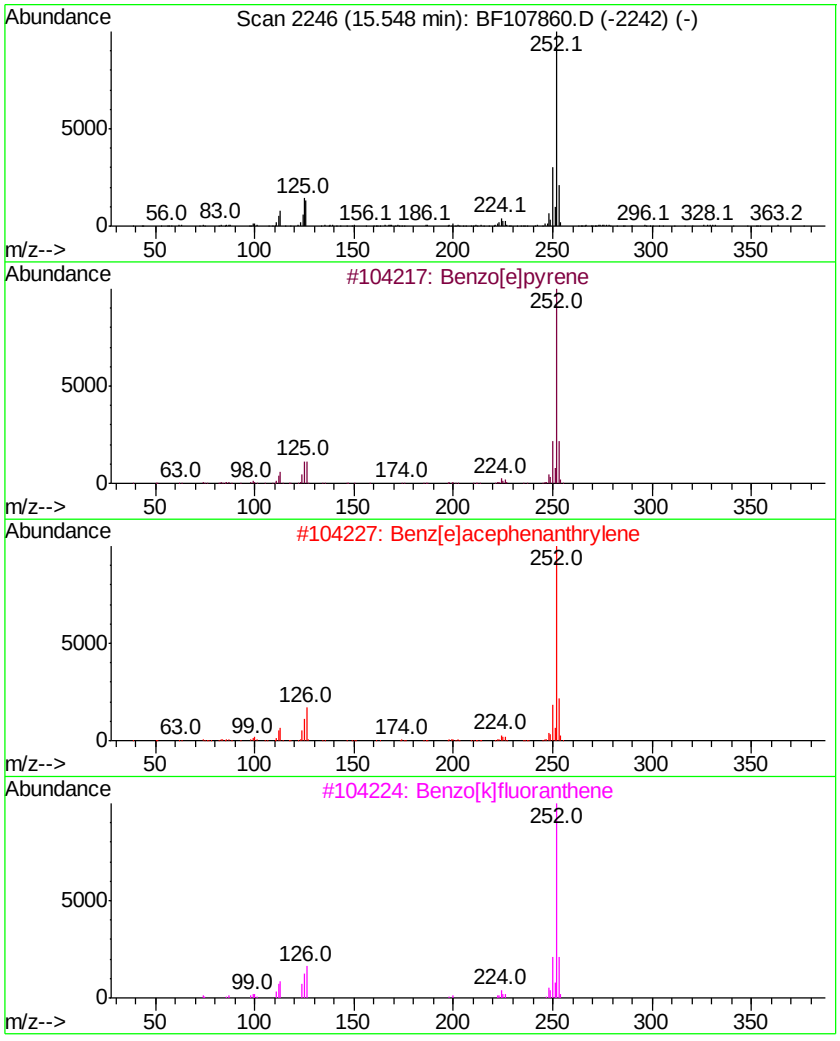
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

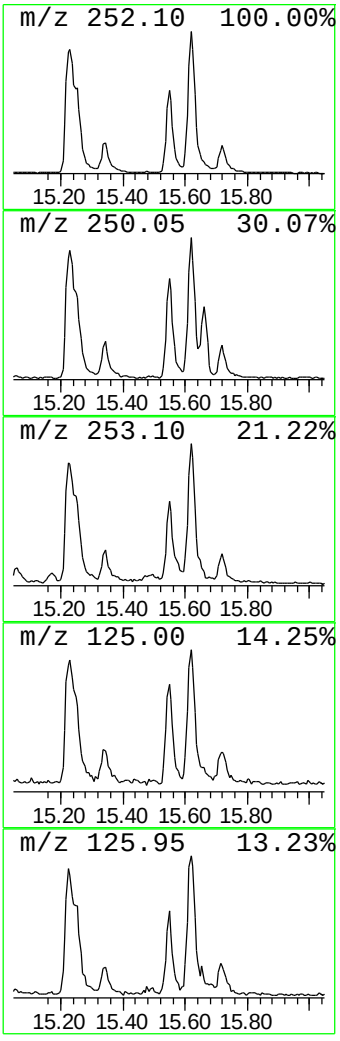
****

Peak Number 20 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.55	7.85 ng	388161	Perylene-d12	15.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	98
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
4	Benzo[a]pyrene	252	C20H12	000050-32-8	94
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF073118\
Data File : BF107860.D
Acq On : 31 Jul 2018 20:07
Operator : JU/SJ
Sample : J4231-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2018-NYSEG-CLARK-AREA-14-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073018.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
2-Pentanone, 4-hy...	5.20	13.6	ng	603951	1	6.96	891346	20.0
unknown6.74	6.74	77.0	ng	3430180	1	6.96	891346	20.0
Biphenyl	9.42	2.7	ng	177150	3	10.00	1297170	20.0
Naphthalene, 1-et...	9.51	2.7	ng	173930	3	10.00	1297170	20.0
Heneicosane	10.88	2.5	ng	150267	4	11.50	1196460	20.0
Dibenzothiophene	11.40	4.2	ng	251637	4	11.50	1196460	20.0
Anthracene, 9-eth...	11.78	2.2	ng	134103	4	11.50	1196460	20.0
Phenanthrene, 2-m...	12.00	6.7	ng	401371	4	11.50	1196460	20.0
Anthracene, 9-met...	12.02	5.3	ng	316198	4	11.50	1196460	20.0
4H-Cyclopenta[def...	12.11	11.0	ng	660187	4	11.50	1196460	20.0
Naphthalene, 2-ph...	12.30	6.5	ng	388149	4	11.50	1196460	20.0
Phenanthrene, 3,6...	12.55	2.4	ng	143360	4	11.50	1196460	20.0
11H-Benzo[b]fluorene	13.27	4.1	ng	403402	5	14.15	1971170	20.0
11H-Benzo[a]fluorene	13.34	2.1	ng	208336	5	14.15	1971170	20.0
Tert-octyldipheny...	13.37	3.2	ng	317039	5	14.15	1971170	20.0
1-Docosene	13.95	4.9	ng	482407	5	14.15	1971170	20.0
Benzo[e]pyrene	15.55	7.8	ng	388161	6	15.68	988663	20.0