LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073118\
Data File : BF107853.D
Acq On : 31 Jul 2018 16:59
Operator : JU/SJ
Sample : J4231-11 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2018-NYSEG-CLARK-AREA-14-6

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	5.178	480	483	493	rBV	74284	92712	2.28%	0.175%
2	5.601	552	555	572	rBV	89289	312494	7.68%	0.590%
3	6.613	722	727	730	rBV	116338	203053	4.99%	0.384%
4	6.648	730	733	737	rVB	236049	237540	5.84%	0.449%
5	6.737	745	748	753	rBV	295724	441333	10.84%	0.834%
6	6.960	783	786	795	rBV	474138	728481	17.89%	1.376%
7	7.025	795	797	807	rVV	77825	120544	2.96%	0.228%
8	7.113	809	812	824	rVV2	368405	549720	13.50%	1.038%
9	7.266	835	838	845	rVB	49786	65367	1.61%	0.123%
10	7.537	878	884	888	rBV2	80440	171589	4.22%	0.324%
11	8.242	1000	1004	1006	rBV	987776	1023141	25.13%	1.933%
12	8.266	1006	1008	1024	rVB	1257626	1538489	37.79%	2.906%
13	8.954	1121	1125	1138	rBV	379876	571384	14.04%	1.079%
14	9.054	1138	1142	1154	rVV	625272	700101	17.20%	1.322%
15	9.313	1182	1186	1201	rBV	643566	828382	20.35%	1.565%
16	9.419	1201	1204	1212	rBV	231429	310031	7.62%	0.586%
17	9.513	1217	1220	1227	rVB	233428	298006	7.32%	0.563%
18	9.584	1227	1232	1236	rBV	189930	286491	7.04%	0.541%
19	9.654	1241	1244	1247	rVV	428818	447752	11.00%	0.846%
20	9.684	1247	1249	1255	rVB4	85340	145481	3.57%	0.275%
21	9.772	1261	1264	1272	rVB	173351	247446	6.08%	0.467%
22	9.860	1276	1279	1288	rVB2	231296	287624	7.07%	0.543%
23	10.001	1296	1303	1306	rBV	1190466	1289292	31.67%	2.435%
24	10.036	1306	1309	1317	rVV	2214998	2368341	58.18%	4.473%
25	10.101	1317	1320	1325	rVV2	115106	202259	4.97%	0.382%
26	10.142	1325	1327	1333	rVV5	43752	71478	1.76%	0.135%
27	10.195	1333	1336	1341	rVV2	129874	186841	4.59%	0.353%
28	10.236	1341	1343	1348	rVB	125471	123051	3.02%	0.232%
29	10.313	1352	1356	1359	rBV	133597	164250	4.03%	0.310%
30	10.342	1359	1361	1367	rVB2	85038	105401	2.59%	0.199%
31	10.401	1367	1371	1373	rBV2	79443	94677	2.33%	0.179%
32	10.454	1378	1380	1385	rBV2	90493	120822	2.97%	0.228%
33	10.525	1389	1392	1393	rBV	101730	100929	2.48%	0.191%
34	10.554	1393	1397	1402	rVV	730175	874151	21.47%	1.651%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073118\
Data File : BF107853.D
Acq On : 31 Jul 2018 16:59
Operator : JU/SJ
Sample : J4231-11 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2018-NYSEG-CLARK-AREA-14-6

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	10.601	1402	1405	1406	rVV	140162	152358	3.74%	0.288%
36	10.636	1409	1411	1413	rVV	139229	134884	3.31%	0.255%
37	10.660	1413	1415	1417	rVV	165881	145740	3.58%	0.275%
38	10.683	1417	1419	1422	rVV	105724	127505	3.13%	0.241%
39	10.795	1432	1438	1444	rBV3	265825	501835	12.33%	0.948%
40	10.895	1451	1455	1456	rBV	58452	62098	1.53%	0.117%
41	11.101	1485	1490	1493	rBV	152439	230248	5.66%	0.435%
42	11.125	1493	1494	1498	rVV	93469	96190	2.36%	0.182%
43	11.183	1501	1504	1507	rVB	91509	77621	1.91%	0.147%
44	11.301	1521	1524	1528	rVB2	49677	57246	1.41%	0.108%
45	11.395	1536	1540	1550	rVB	197237	305429	7.50%	0.577%
46	11.501	1554	1558	1559	rBV	832079	874032	21.47%	1.651%
47	11.525	1559	1562	1568	rVV	3651057	4070893	100.00%	7.689%
48	11.578	1568	1571	1592	rVB	1130448	1737385	42.68%	3.282%
49	11.783	1604	1606	1611	rVB	170574	148814	3.66%	0.281%
50	11.830	1611	1614	1622	rVB3	133747	174780	4.29%	0.330%
51	12.001	1639	1643	1645	rBV	512193	554530	13.62%	1.047%
52	12.030	1645	1648	1653	rVB2	510070	571708	14.04%	1.080%
53	12.077	1653	1656	1658	rBV	213114	201392	4.95%	0.380%
54	12.113	1658	1662	1664	rBV2	801347	866875	21.29%	1.637%
55	12.295	1689	1693	1698	rVV	366782	447075	10.98%	0.844%
56	12.336	1698	1700	1703	rVB2	71885	73302	1.80%	0.138%
57	12.442	1712	1718	1721	rBV3	85632	150806	3.70%	0.285%
58	12.472	1721	1723	1726	rVV	68403	65997	1.62%	0.125%
59	12.548	1733	1736	1739	rBV	309414	348137	8.55%	0.658%
60	12.589	1739	1743	1745	rVV2	166904	242507	5.96%	0.458%
61	12.636	1749	1751	1756	rVB2	70278	118972	2.92%	0.225%
62	12.719	1761	1765	1768	rBV	2202037	2417358	59.38%	4.566%
63	12.742	1768	1769	1773	rVB2	397760	261619	6.43%	0.494%
64	12.813	1777	1781	1788	rVB	561793	636135	15.63%	1.202%
65	12.889	1788	1794	1798	rVB2	98982	170432	4.19%	0.322%
66	12.948	1798	1804	1810	rBV	2590510	3296888	80.99%	6.227%
67	13.077	1822	1826	1836	rVB	567791	702926	17.27%	1.328%
68	13.166	1836	1841	1846	rVB2	160253	268317	6.59%	0.507%
69	13.272	1852	1859	1865	rVV	395970	692228	17.00%	1.307%
70	13.342	1868	1871	1875	rVV	390338	469154	11.52%	0.886%
71	13.377	1875	1877	1885	rVV	274093	368336	9.05%	0.696%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073118\
Data File : BF107853.D
Acq On : 31 Jul 2018 16:59
Operator : JU/SJ
Sample : J4231-11 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2018-NYSEG-CLARK-AREA-14-6

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	13.448	1885	1889	1891	rVV	204217	267301	6.57%	0.505%
73	13.472	1891	1893	1896	rVV	273476	305712	7.51%	0.577%
74	13.507	1896	1899	1908	rVB	262795	429109	10.54%	0.811%
75	13.760	1938	1942	1945	rBV3	70130	132945	3.27%	0.251%
76	13.877	1959	1962	1963	rBV2	60644	60158	1.48%	0.114%
77	13.901	1963	1966	1967	rVV	109360	112817	2.77%	0.213%
78	13.924	1967	1970	1972	rVV	281315	301551	7.41%	0.570%
79	13.948	1972	1974	1989	rVB	275389	533788	13.11%	1.008%
80	14.095	1997	1999	2003	rVB	56809	53145	1.31%	0.100%
81	14.148	2003	2008	2011	rBV2	1748508	2806016	68.93%	5.300%
82	14.177	2011	2013	2020	rVV	1105261	1257111	30.88%	2.374%
83	14.254	2024	2026	2032	rBV4	119275	183501	4.51%	0.347%
84	14.501	2065	2068	2069	rBV	71914	79645	1.96%	0.150%
85	14.536	2071	2074	2078	rVV2	207447	296759	7.29%	0.561%
86	14.571	2078	2080	2084	rVB3	120078	160543	3.94%	0.303%
87	14.666	2093	2096	2097	rBV	94630	82245	2.02%	0.155%
88	14.689	2097	2100	2106	rVB3	185223	223055	5.48%	0.421%
89	14.895	2133	2135	2139	rBV5	54229	58068	1.43%	0.110%
90	15.230	2187	2192	2205	rBV	704746	1893569	46.51%	3.577%
91	15.342	2207	2211	2224	rVB	258804	519525	12.76%	0.981%
92	15.554	2242	2247	2254	rBV	519827	793252	19.49%	1.498%
93	15.624	2254	2259	2266	rBV	935870	1821601	44.75%	3.441%
94	15.689	2266	2270	2274	rBV	601725	849948	20.88%	1.605%
95	16.283	2368	2371	2382	rVB2	125094	251198	6.17%	0.474%
96	16.642	2428	2432	2441	rVB3	74697	159432	3.92%	0.301%
97	17.271	2531	2539	2550	rBV2	338161	903473	22.19%	1.706%
98	17.465	2567	2572	2577	rBV2	60763	133780	3.29%	0.253%
99	17.748	2613	2620	2636	rBV	264974	743323	18.26%	1.404%
100	18.018	2660	2666	2679	rVB	132999	400653	9.84%	0.757%

Sum of corrected areas: 52943628

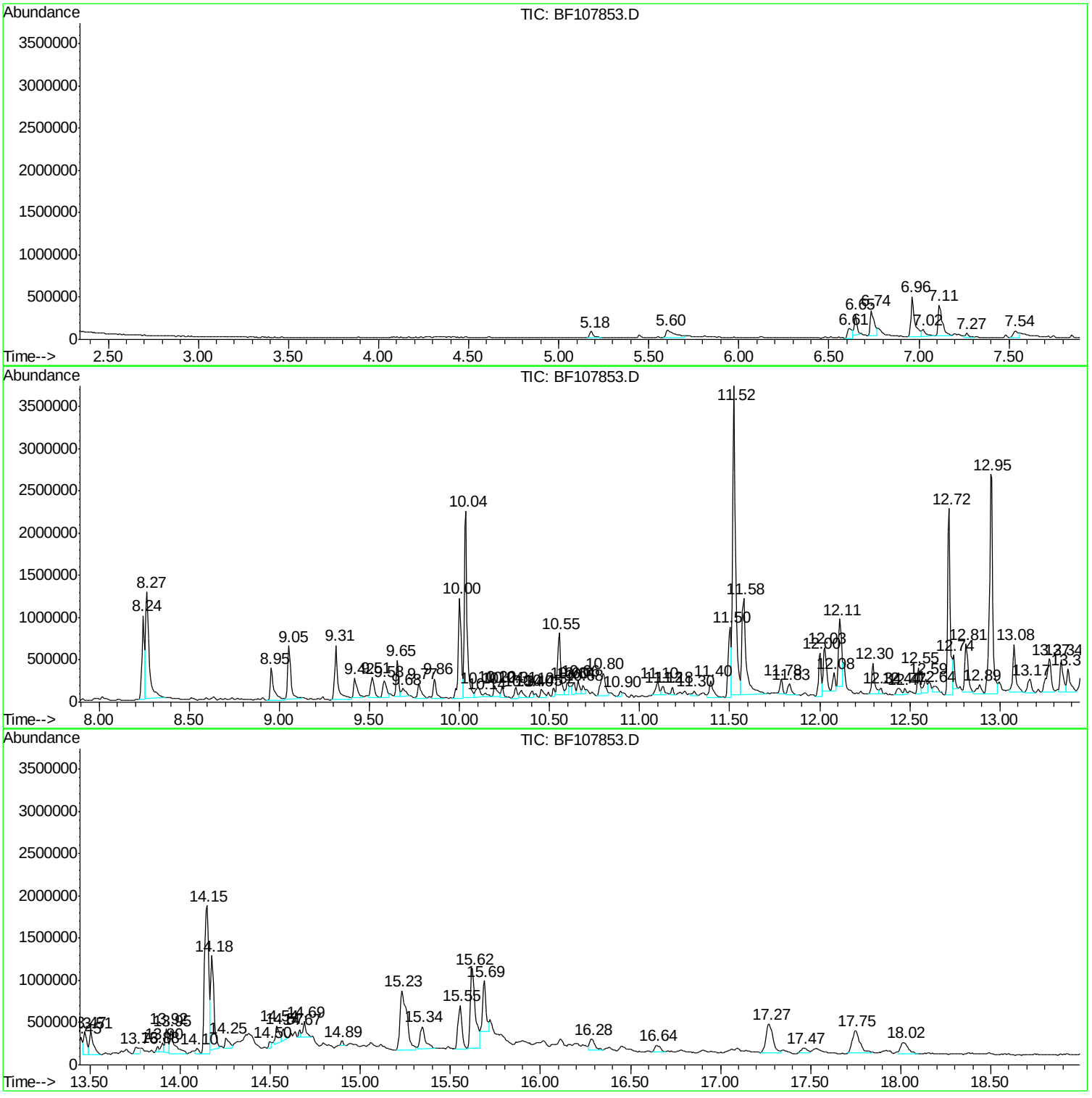
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073118\
Data File : BF107853.D
Acq On : 31 Jul 2018 16:59
Operator : JU/SJ
Sample : J4231-11 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
2018-NYSEG-CLARK-AREA-14-6

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 : BF107853.D
Acq On : 31 Jul 2018 16:59
Operator : JU/SJ
Sample : J4231-11 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
2018-NYSEG-CLARK-AREA-14-6

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

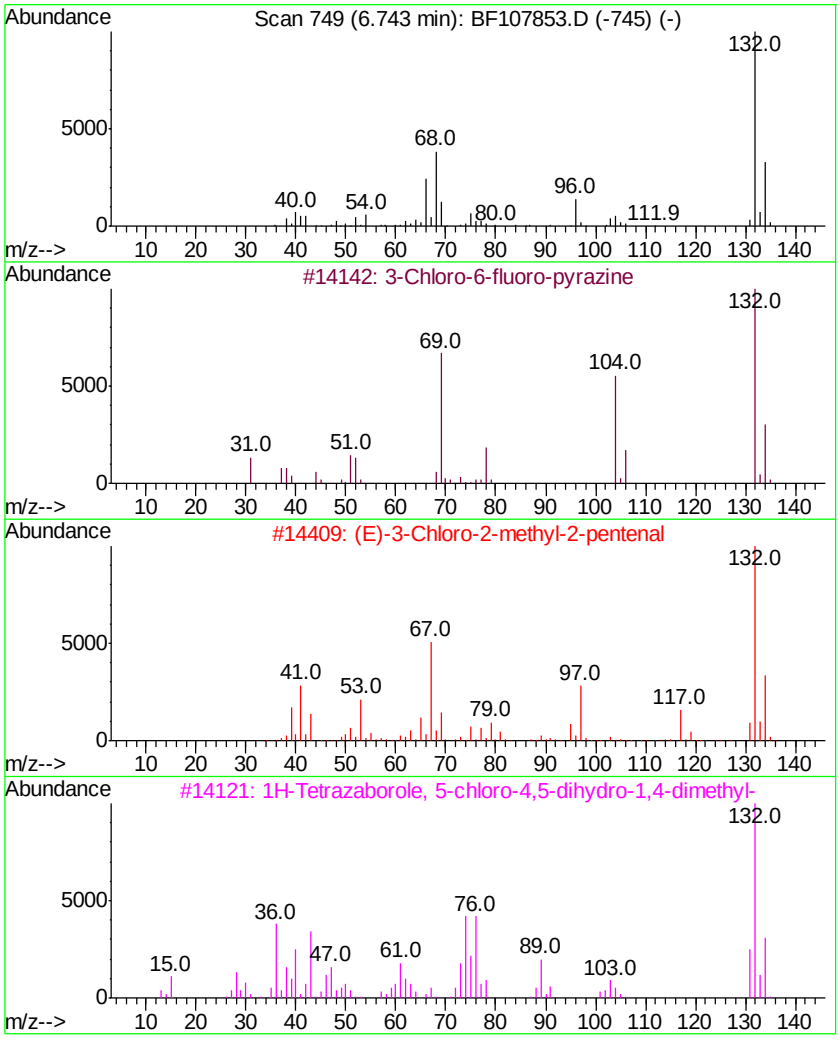
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

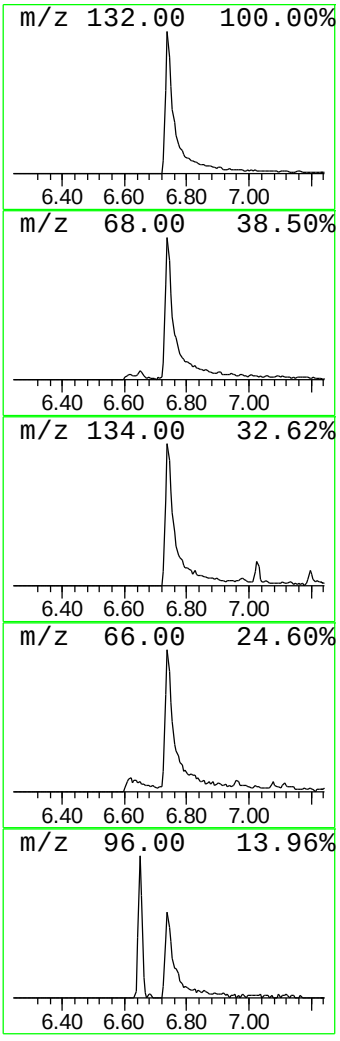
****

Peak Number 1 unknown6.74 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.74	12.12 ng	441333	1,4-Dichlorobenzene-d4	6.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	35
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	25
3	1H-Tetrazaborole, 5-chloro-4,5-d...	132	C2H6BClN4	021960-49-6	17
4	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
5	5-Aminoindole	132	C8H8N2	005192-03-0	10





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073118\
Data File : BF107853.D
Acq On : 31 Jul 2018 16:59
Operator : JU/SJ
Sample : J4231-11 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2018-NYSEG-CLARK-AREA-14-6

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

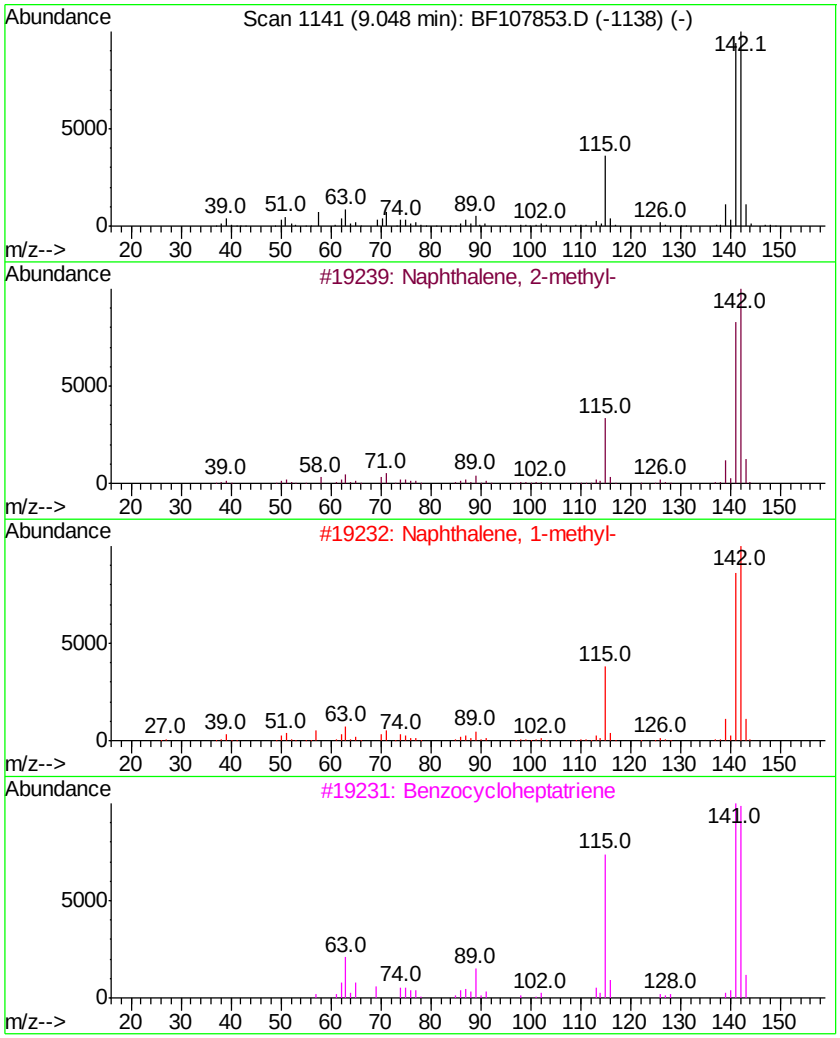
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

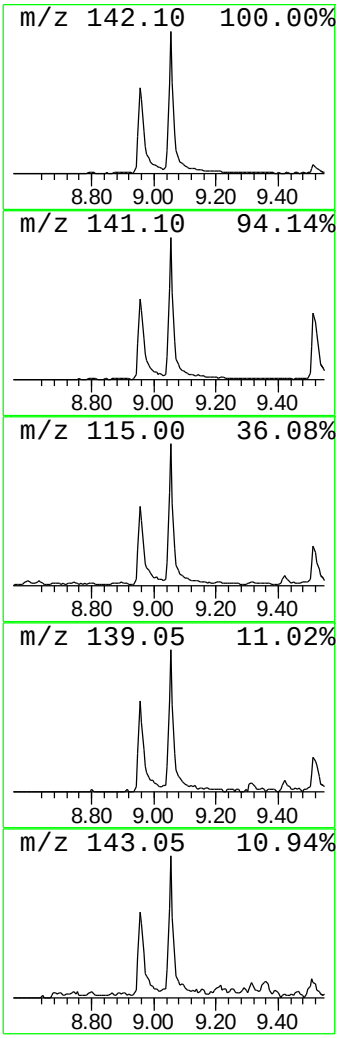
****

Peak Number 3 Naphthalene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.05	13.69 ng	700101	Naphthalene-d8	8.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
3	Benzocycloheptatriene	142	C11H10	000264-09-5	91
4	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91
5	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	64





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073118\
Data File : BF107853.D
Acq On : 31 Jul 2018 16:59
Operator : JU/SJ
Sample : J4231-11 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2018-NYSEG-CLARK-AREA-14-6

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

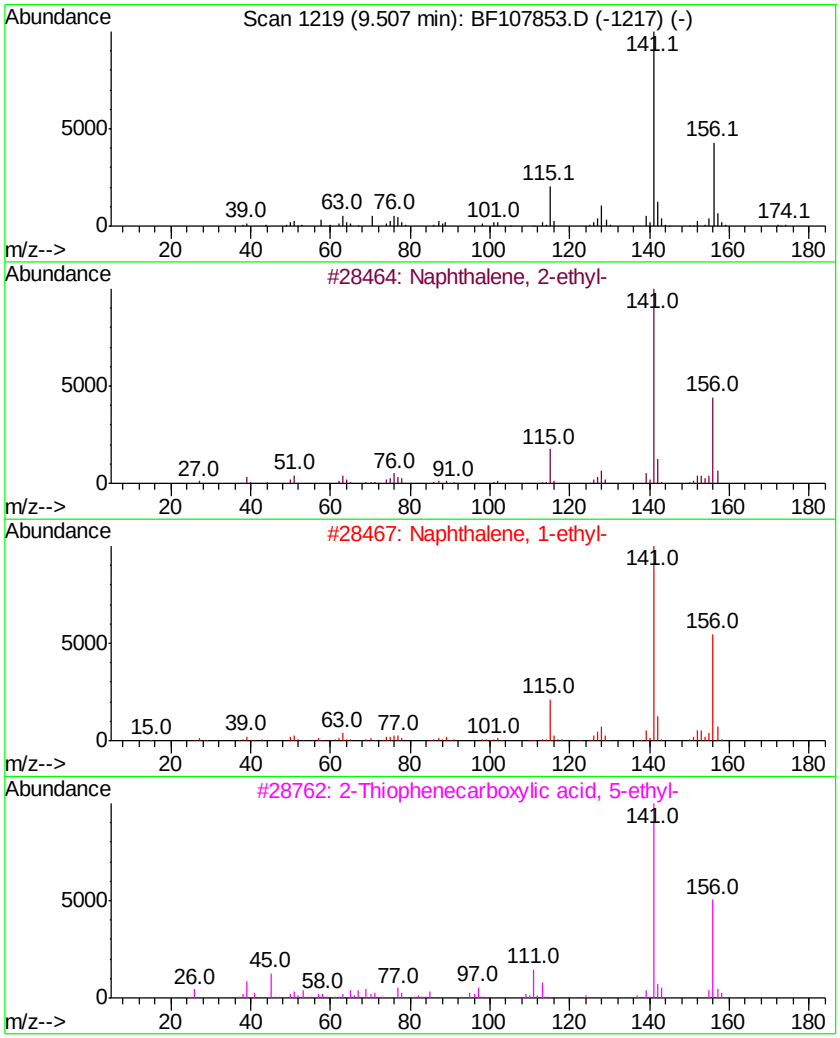
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

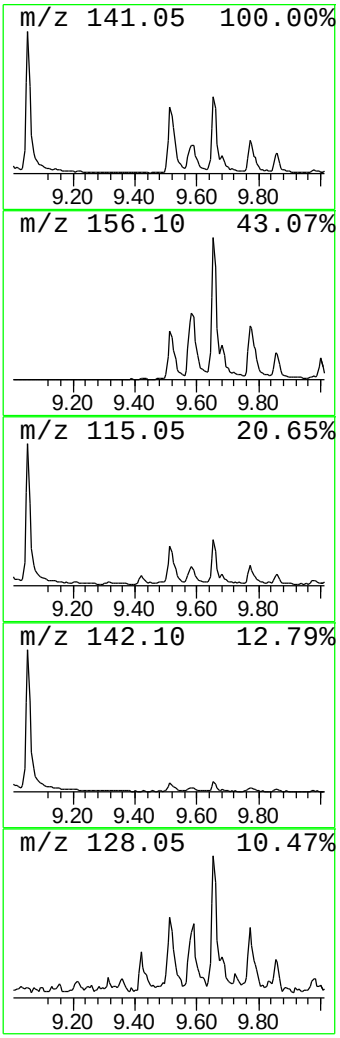
****

Peak Number 4 Naphthalene, 1-ethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.51	4.62 ng	298006	Acenaphthene-d10	10.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	95
2	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	95
3	2-Thiophenecarboxylic acid, 5-et...	156	C7H8O2S	023229-72-3	64
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	47
5	1-Ethanone, 1-[4-(1-naphthalenyl...	276	C19H16O2	1000338-30-5	47





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073118\
Data File : BF107853.D
Acq On : 31 Jul 2018 16:59
Operator : JU/SJ
Sample : J4231-11 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
2018-NYSEG-CLARK-AREA-14-6

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

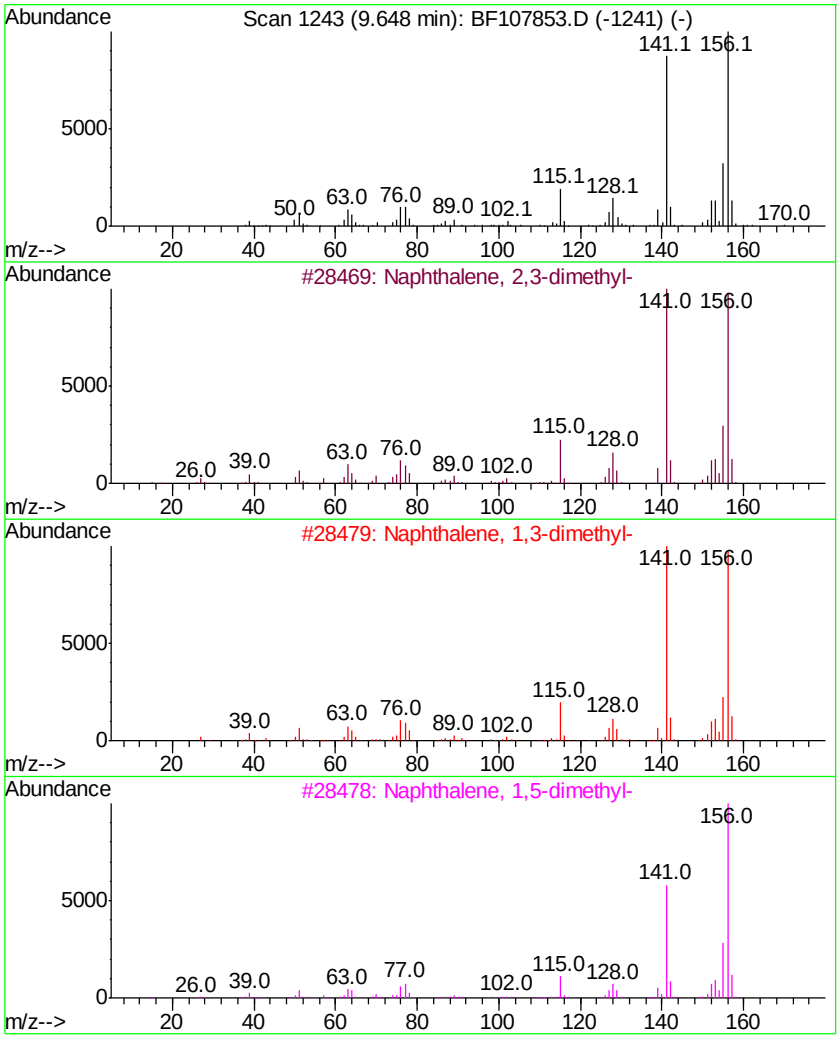
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

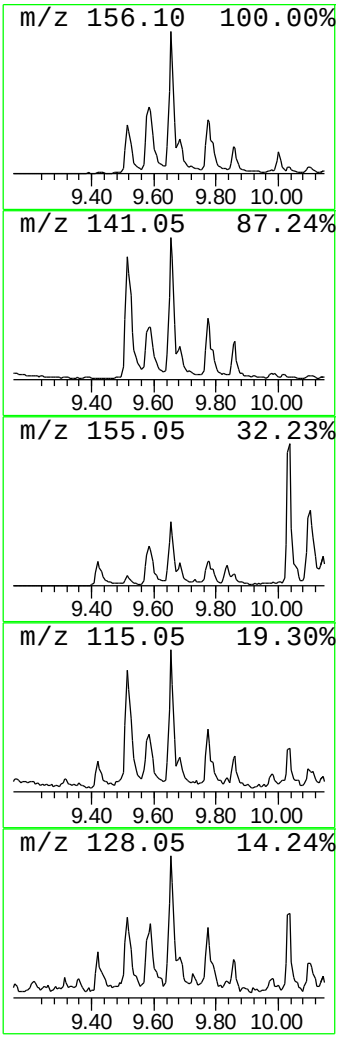
****

Peak Number 5 Naphthalene, 2,3-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.65	6.95 ng	447752	Acenaphthene-d10	10.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	98
3	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073118\
Data File : BF107853.D
Acq On : 31 Jul 2018 16:59
Operator : JU/SJ
Sample : J4231-11 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2018-NYSEG-CLARK-AREA-14-6

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

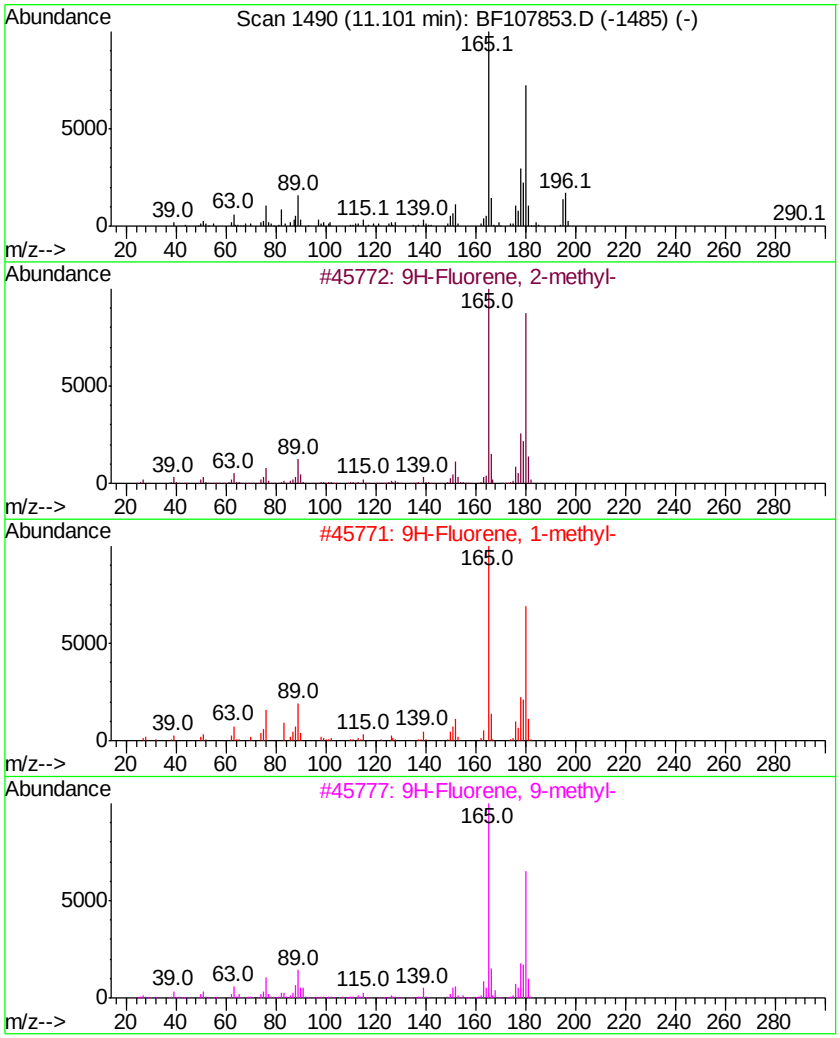
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

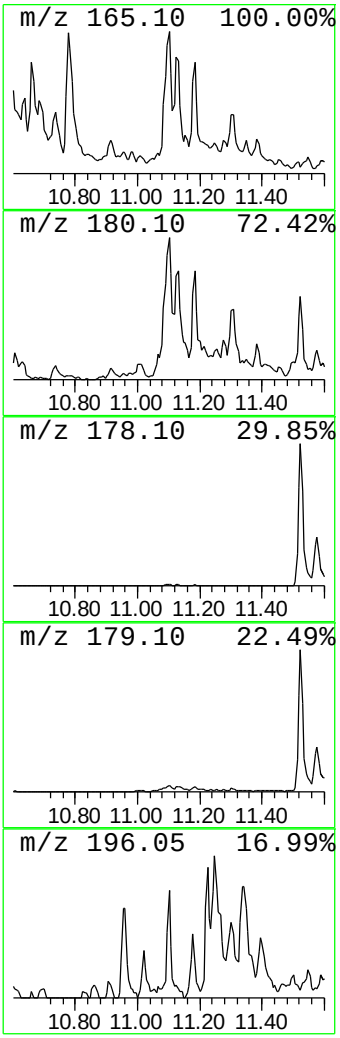
****

Peak Number 6 9H-Fluorene, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.10	5.27 ng	230248	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	97
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	89
3	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	86
4	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	86
5	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	83





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073118\
Data File : BF107853.D
Acq On : 31 Jul 2018 16:59
Operator : JU/SJ
Sample : J4231-11 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2018-NYSEG-CLARK-AREA-14-6

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

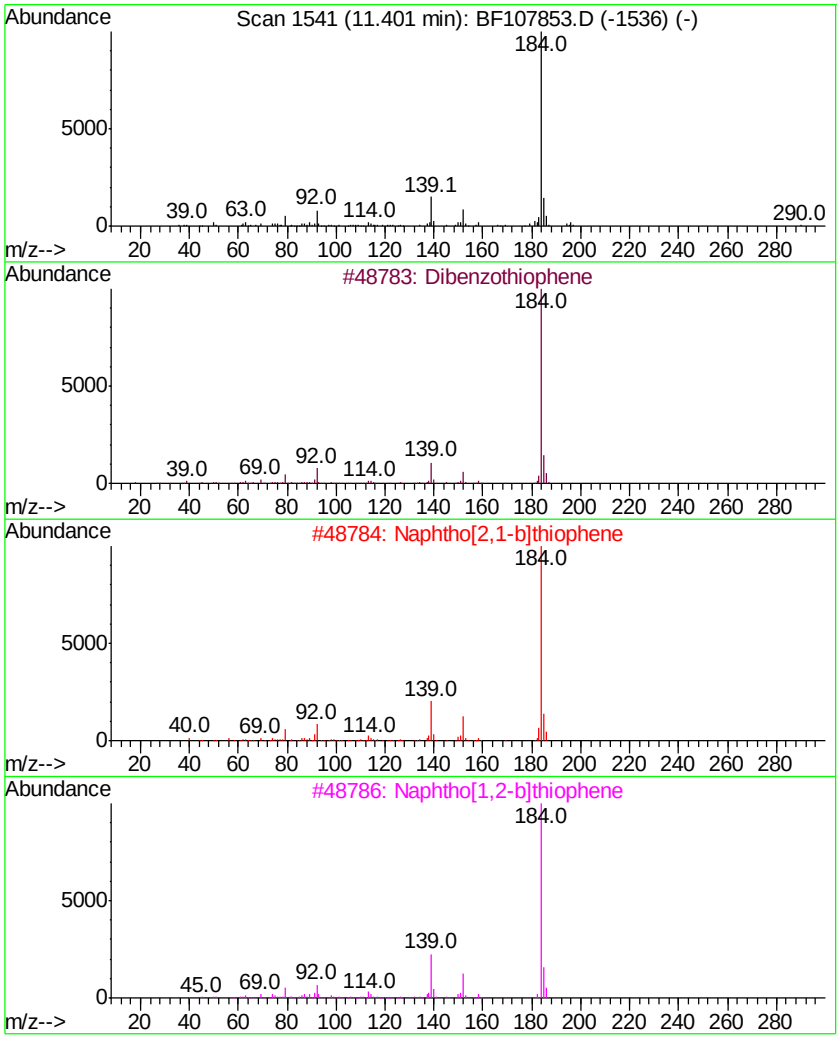
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

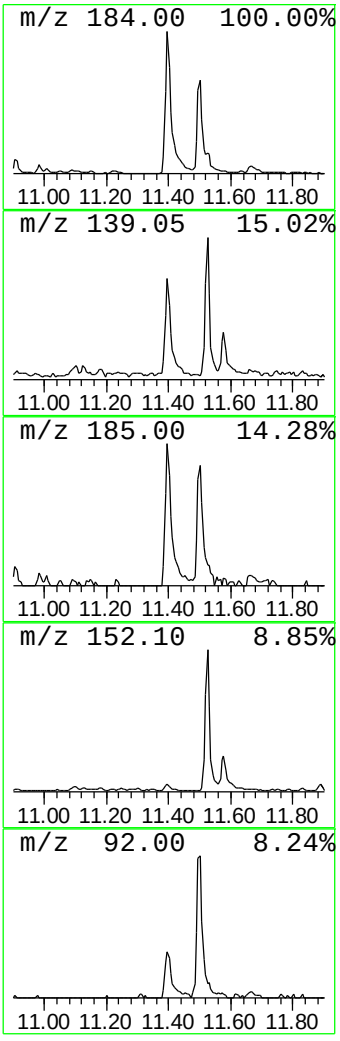
****

Peak Number 7 Dibenzothiophene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.40	6.99 ng	305429	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	95
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	94
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	93
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073118\
Data File : BF107853.D
Acq On : 31 Jul 2018 16:59
Operator : JU/SJ
Sample : J4231-11 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2018-NYSEG-CLARK-AREA-14-6

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

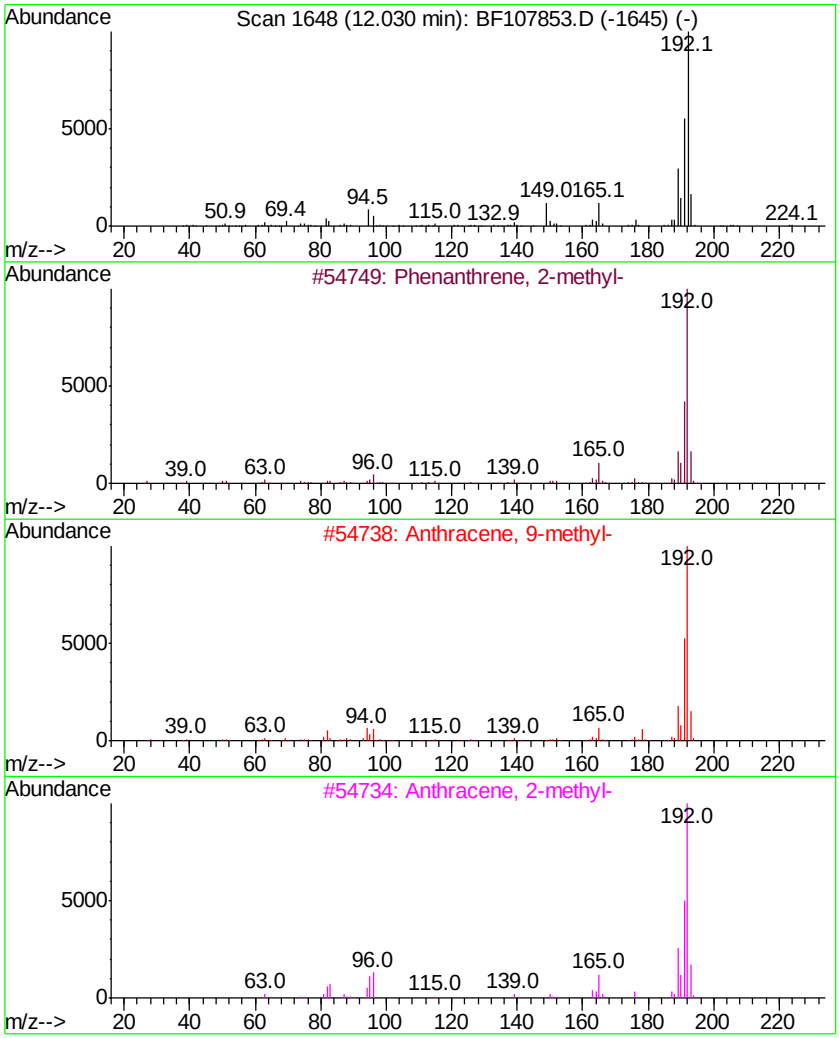
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

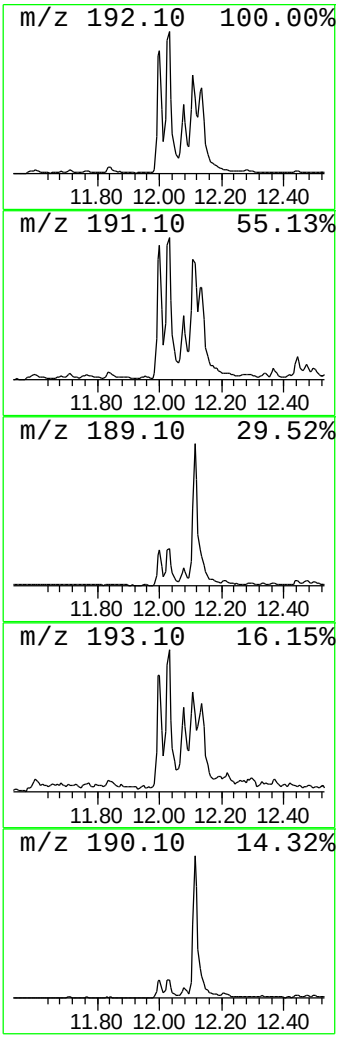
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.03	13.08 ng	571708	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, 9-methyl-	192	C15H12	000779-02-2	95
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	89





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073118\
Data File : BF107853.D
Acq On : 31 Jul 2018 16:59
Operator : JU/SJ
Sample : J4231-11 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2018-NYSEG-CLARK-AREA-14-6

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

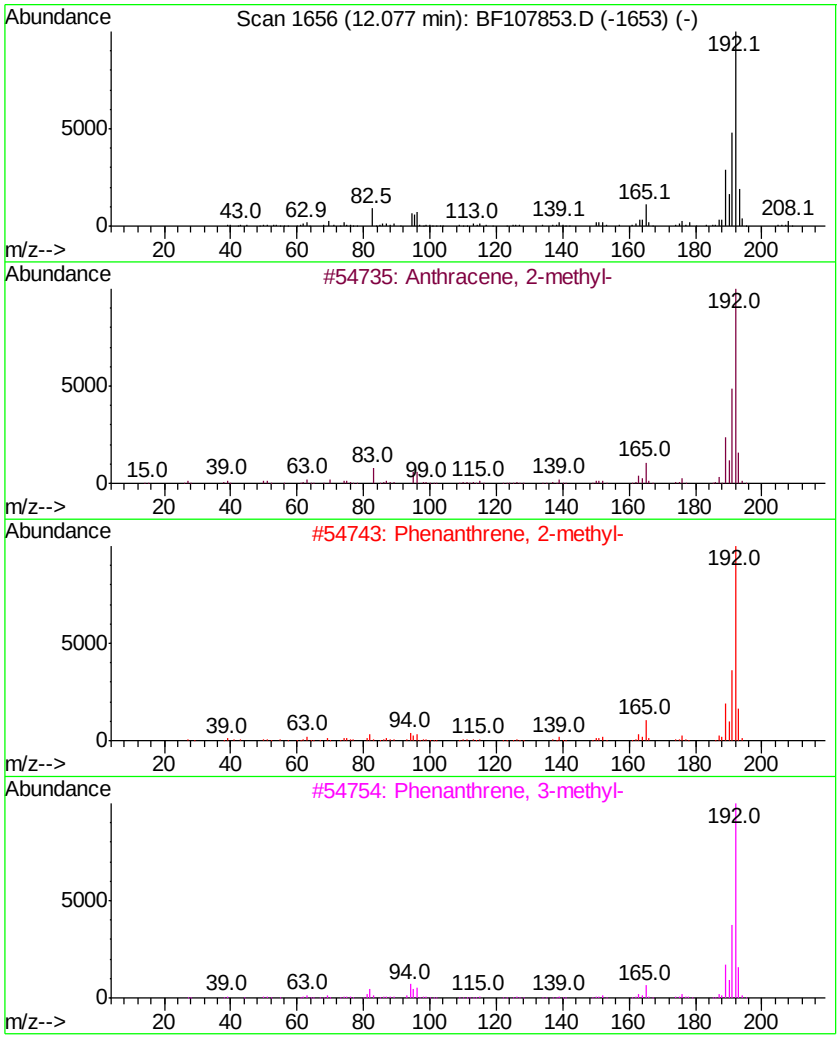
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

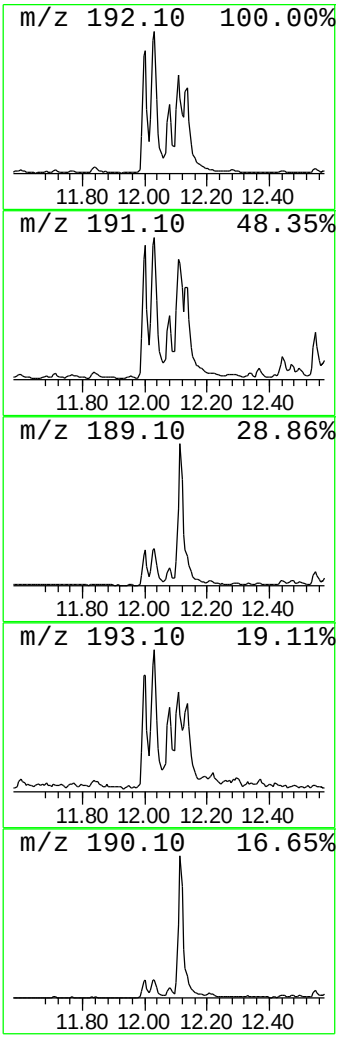
****

Peak Number 10 Anthracene, 2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.08	4.61 ng	201392	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073118\
Data File : BF107853.D
Acq On : 31 Jul 2018 16:59
Operator : JU/SJ
Sample : J4231-11 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2018-NYSEG-CLARK-AREA-14-6

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

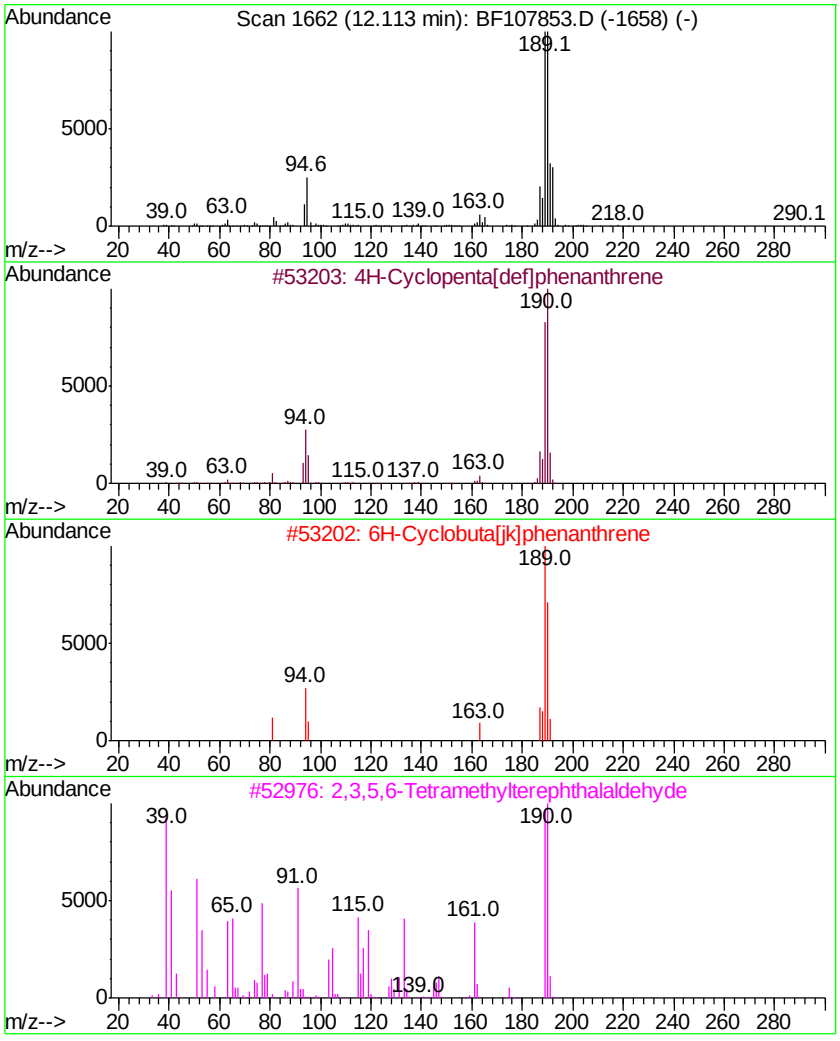
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

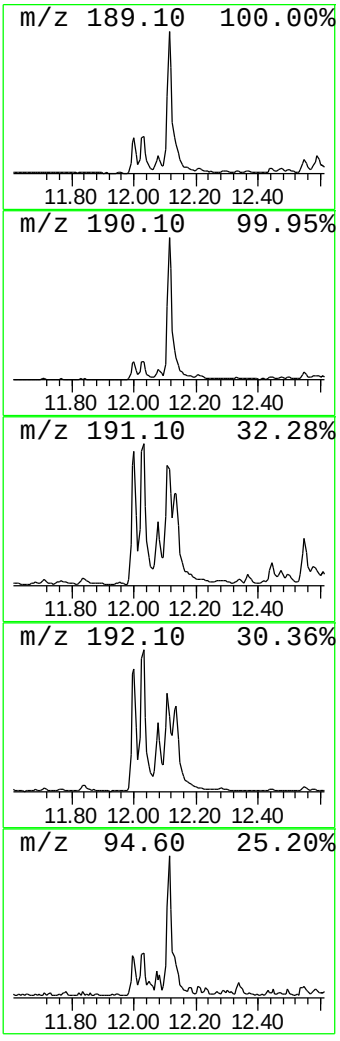
****

Peak Number 11 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.11	19.84 ng	866875	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	87
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	64
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	47
4	Methyl diselenide	190	C2H6Se2	007101-31-7	46
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	40





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073118\
Data File : BF107853.D
Acq On : 31 Jul 2018 16:59
Operator : JU/SJ
Sample : J4231-11 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2018-NYSEG-CLARK-AREA-14-6

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

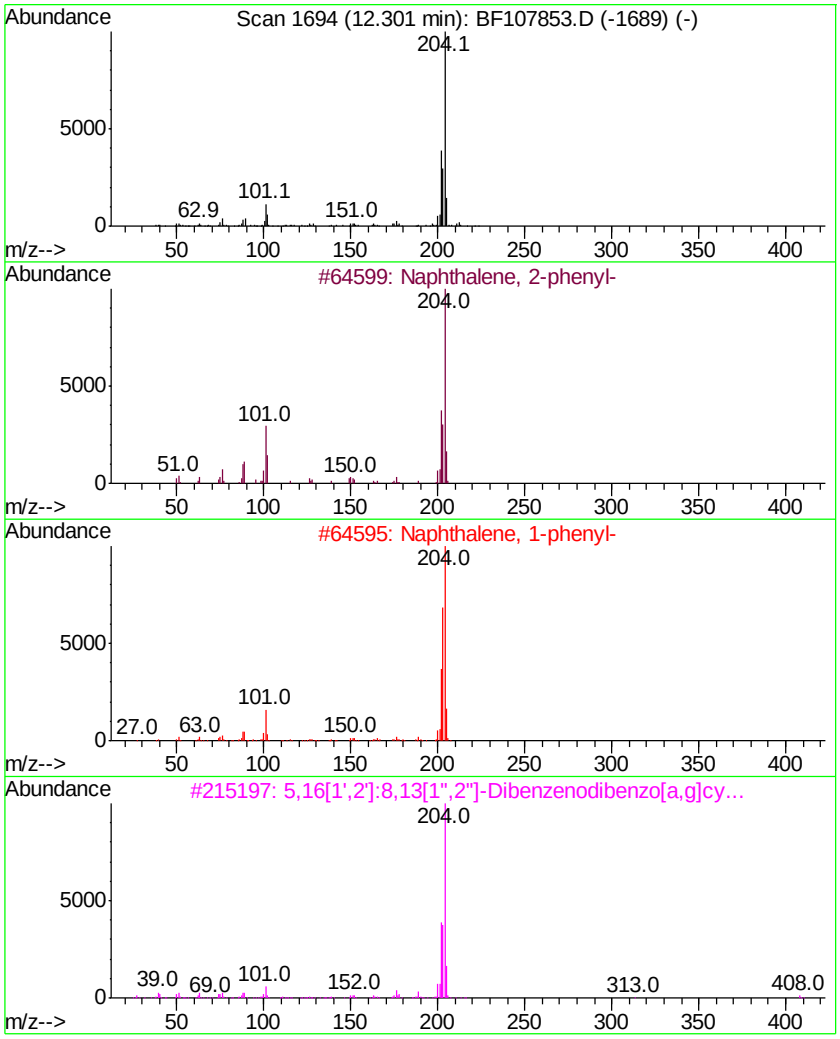
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

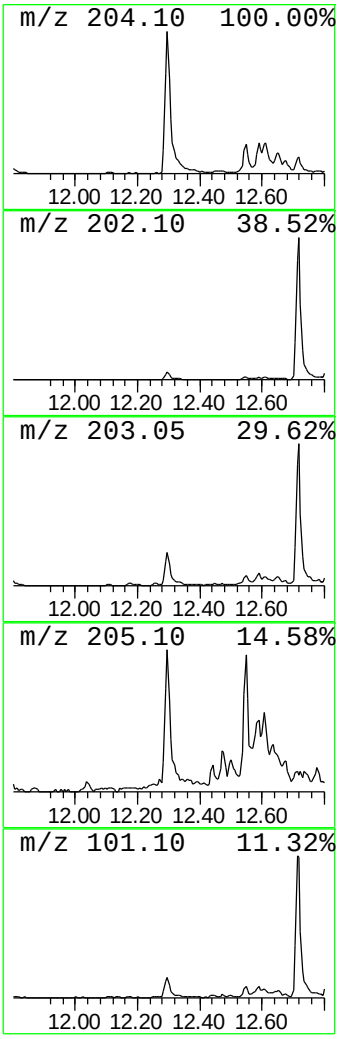
****

Peak Number 12 Naphthalene, 2-phenyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	10.23 ng	447075	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	96
2	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	78
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	47
4	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	47
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	47





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073118\
Data File : BF107853.D
Acq On : 31 Jul 2018 16:59
Operator : JU/SJ
Sample : J4231-11 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2018-NYSEG-CLARK-AREA-14-6

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

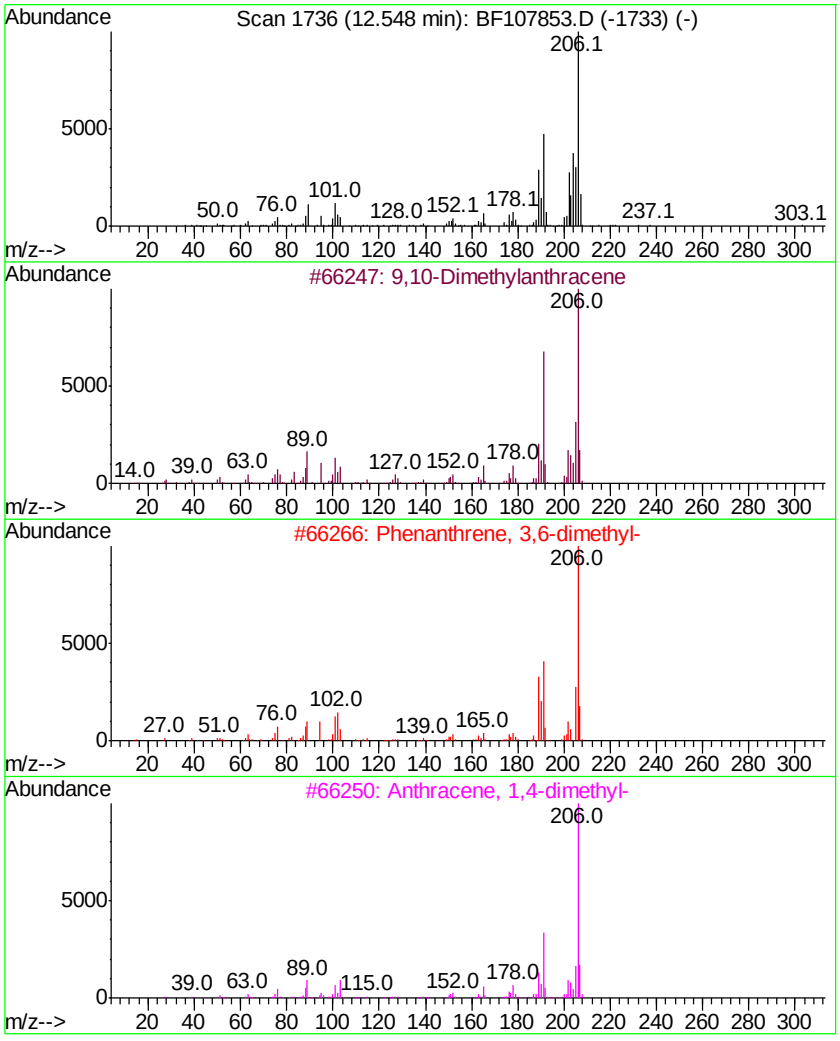
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

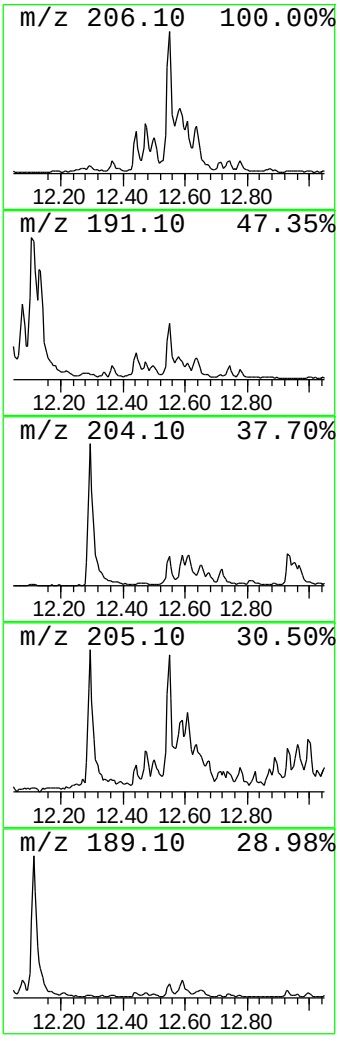
****

Peak Number 13 9,10-Dimethylanthracene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.55	7.97 ng	348137	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	94
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	89
3	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	89
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	87
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	76





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073118\
Data File : BF107853.D
Acq On : 31 Jul 2018 16:59
Operator : JU/SJ
Sample : J4231-11 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2018-NYSEG-CLARK-AREA-14-6

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

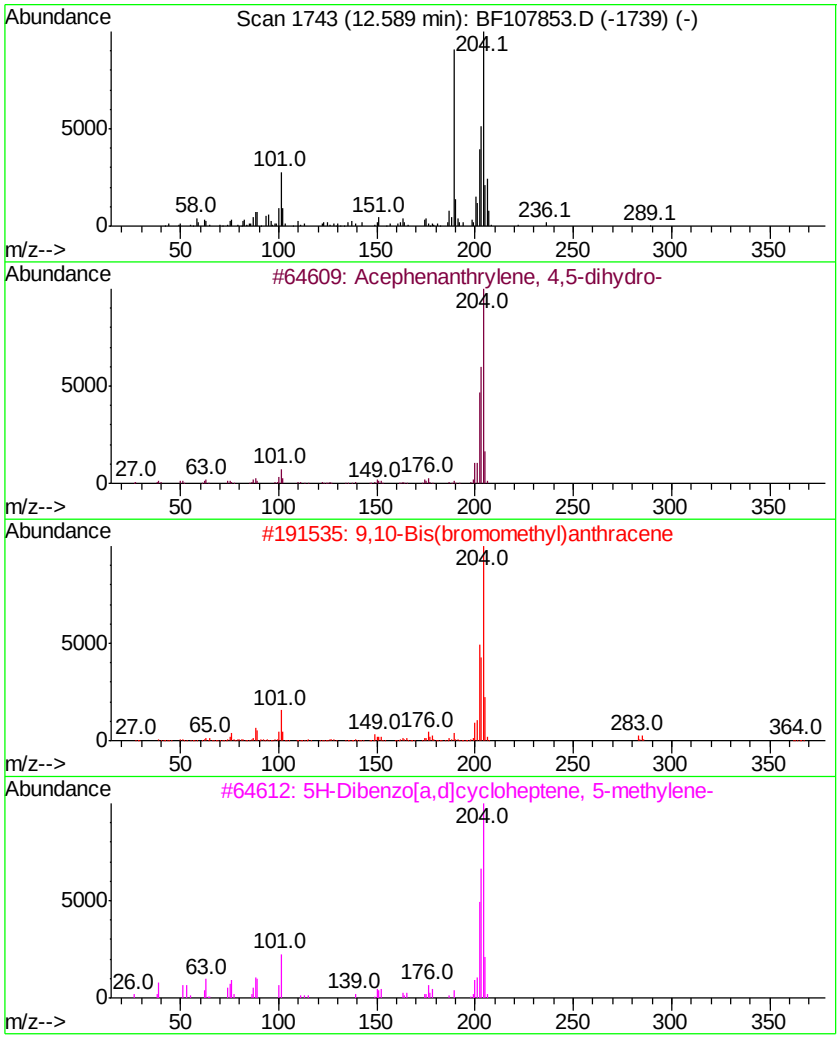
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

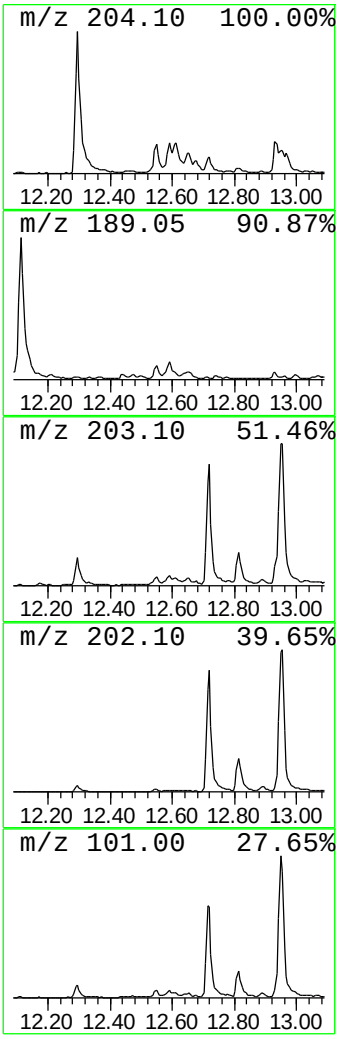
****

Peak Number 14 Acephenanthrylene, 4,5-dihy... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.59	5.55 ng	242507	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	50
2	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	47
3	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	45
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	41
5	Benzene, 1,1'-(1-buten-3-yne-1,4...	204	C16H12	013141-45-2	38





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073118\
Data File : BF107853.D
Acq On : 31 Jul 2018 16:59
Operator : JU/SJ
Sample : J4231-11 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2018-NYSEG-CLARK-AREA-14-6

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

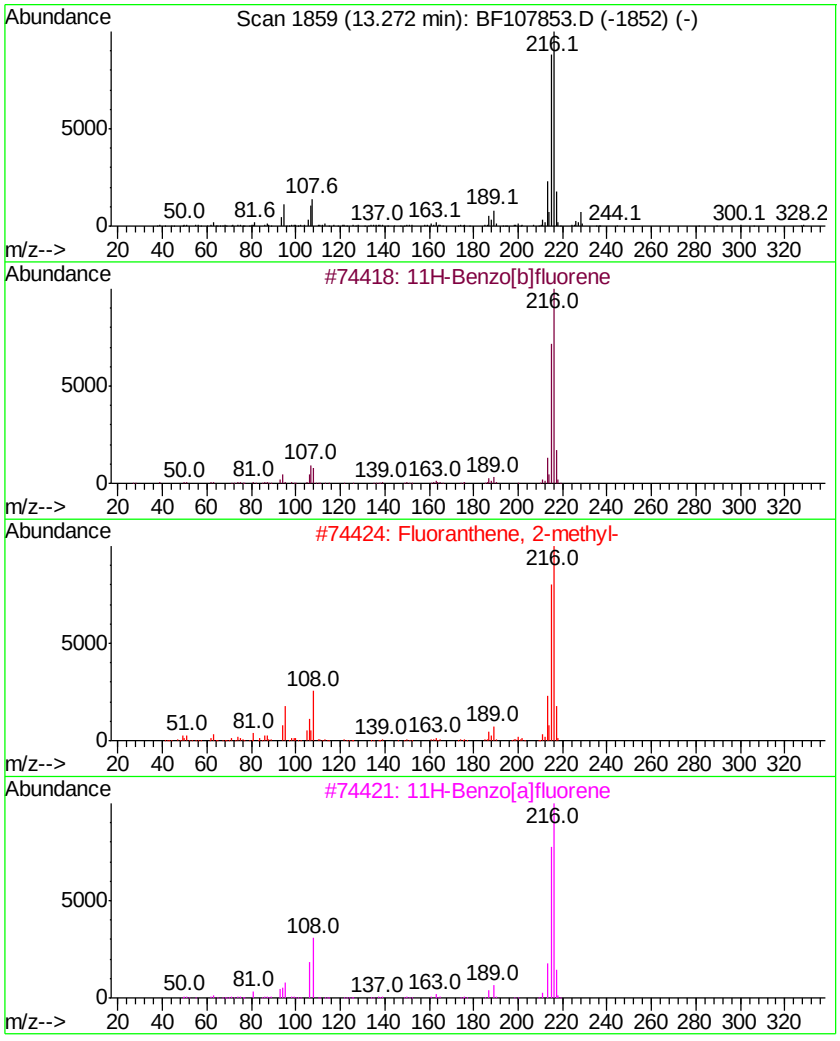
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

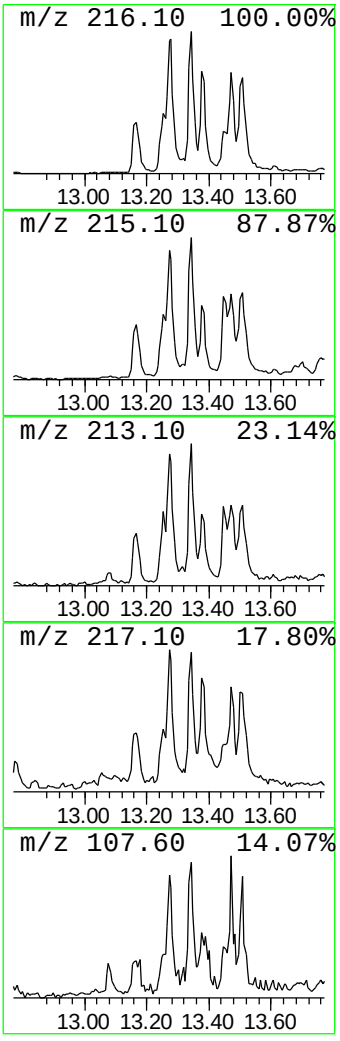
****

Peak Number 16 11H-Benzo[b]fluorene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.27	4.93 ng	692228	Chrysene-d12	14.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	86





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073118\
Data File : BF107853.D
Acq On : 31 Jul 2018 16:59
Operator : JU/SJ
Sample : J4231-11 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2018-NYSEG-CLARK-AREA-14-6

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

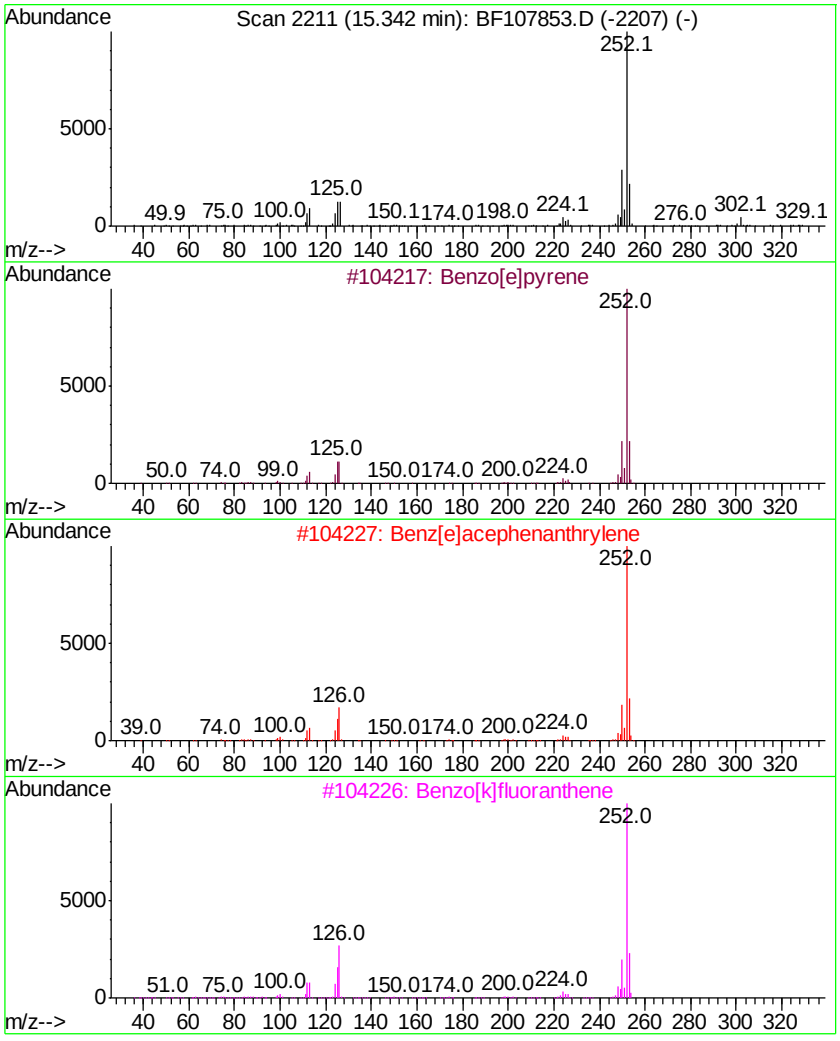
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

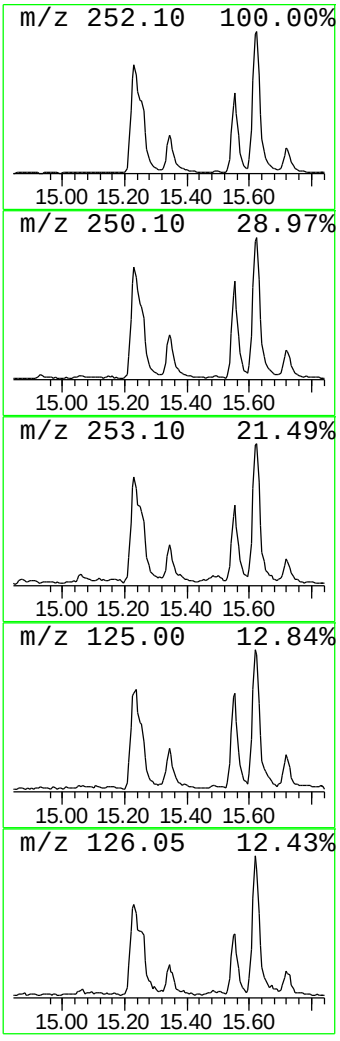
****

Peak Number 17 Benzo[e]pyrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.34	12.22 ng	519525	Perylene-d12	15.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	94
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
4	Benzo[a]pyrene	252	C20H12	000050-32-8	93
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073118\
Data File : BF107853.D
Acq On : 31 Jul 2018 16:59
Operator : JU/SJ
Sample : J4231-11 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2018-NYSEG-CLARK-AREA-14-6

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

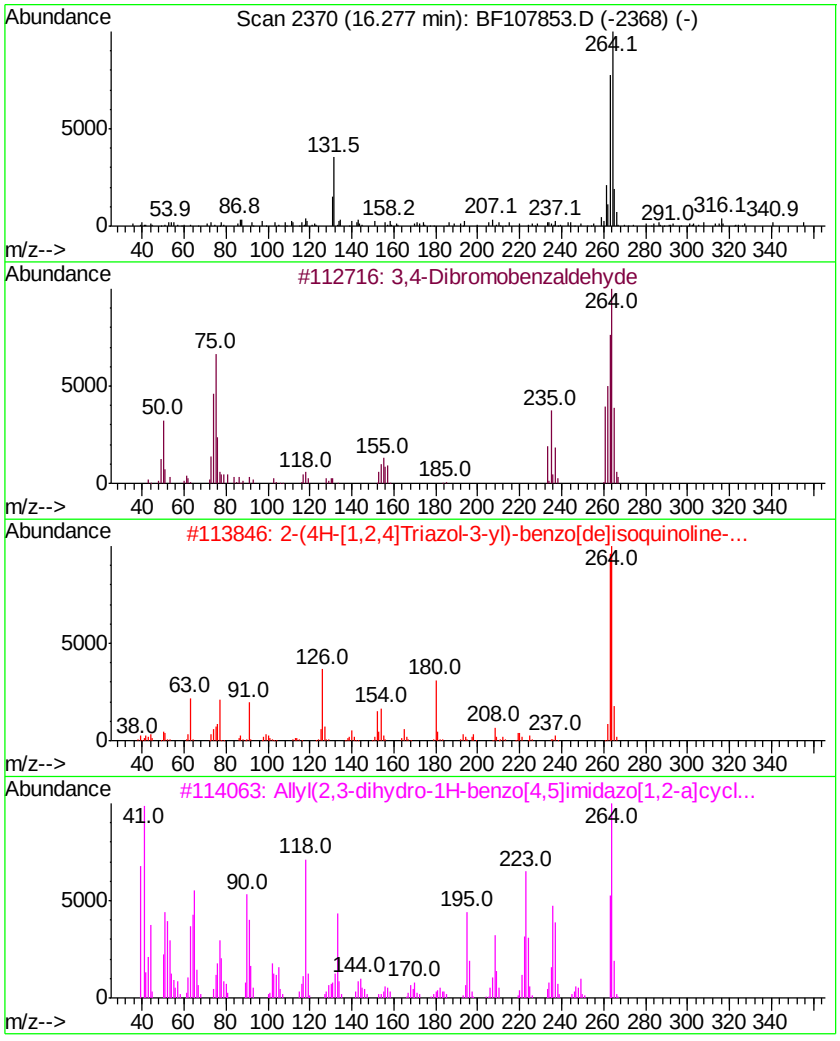
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

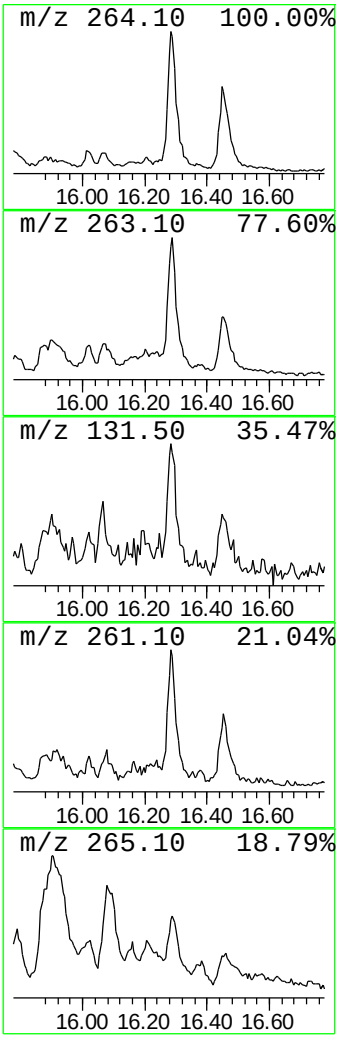
****

Peak Number 19 3,4-Dibromobenzaldehyde Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.28	5.91 ng	251198	Perylene-d12	15.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,4-Dibromobenzaldehyde	262	C7H4Br2O	074003-55-7	64
2	2-(4H-[1,2,4]Triazol-3-yl)-benzo...	264	C14H8N4O2	1000318-09-6	40
3	Allyl(2,3-dihydro-1H-benzo[4,5]i...	264	C16H16N4	1000322-09-2	40
4	1H-Pyrazole-4-carbonitrile, 3-(4...	263	C12H10ClN3S	068364-67-0	38
5	1H-Isoindole-1,3(2H)-dione, 2-(2...	263	C17H13NO2	016307-59-8	35





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073118\
Data File : BF107853.D
Acq On : 31 Jul 2018 16:59
Operator : JU/SJ
Sample : J4231-11 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2018-NYSEG-CLARK-AREA-14-6

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

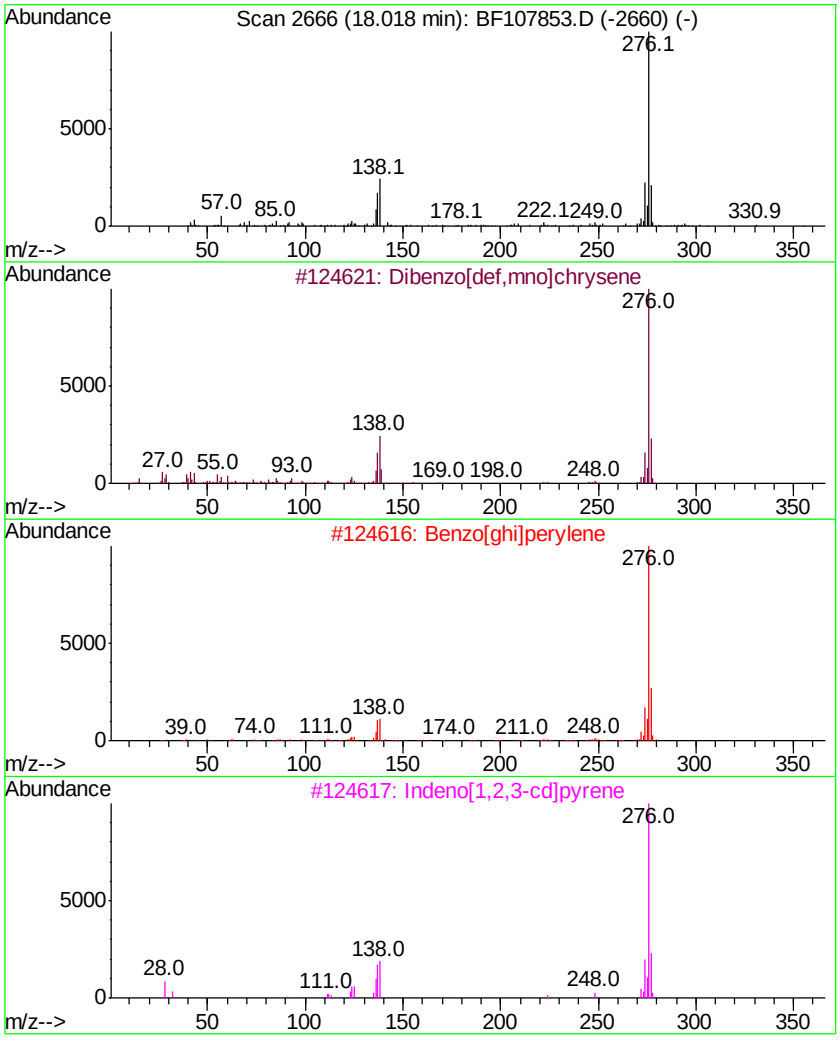
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

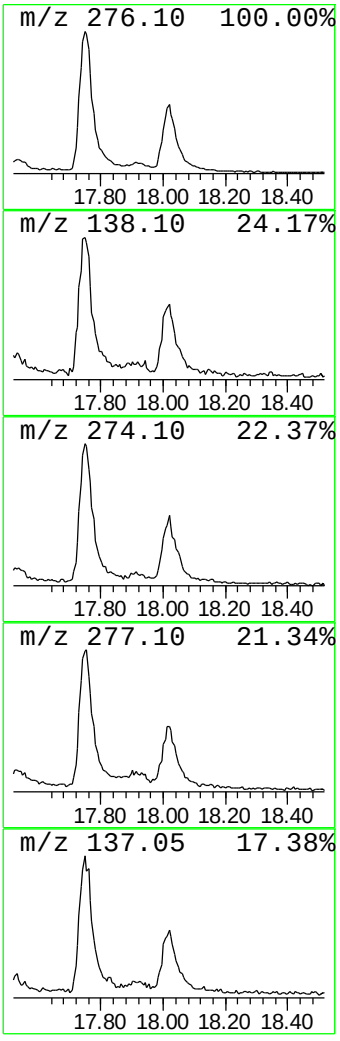
****

Peak Number 20 Dibenzo[def,mno]chrysene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.02	9.43 ng	400653	Perylene-d12	15.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	95
2	Benzo[ghi]perylene	276	C22H12	000191-24-2	94
3	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	87
4	Naphthalen-1-yl-(3-nitro-benzyli...	276	C17H12N2O2	200421-53-0	50
5	6H-Pyrido[4,3-b]carbazole, 9-met...	276	C18H16N2O	010371-86-5	50





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF073118\
Data File : BF107853.D
Acq On : 31 Jul 2018 16:59
Operator : JU/SJ
Sample : J4231-11 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2018-NYSEG-CLARK-AREA-14-6

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
unknown6.74	6.74	12.1	ng	441333	1	6.96	728481	20.0
Naphthalene, 2-me...	9.05	13.7	ng	700101	2	8.24	1023140	20.0
Naphthalene, 1-et...	9.51	4.6	ng	298006	3	10.00	1289290	20.0
Naphthalene, 2,3-...	9.65	7.0	ng	447752	3	10.00	1289290	20.0
9H-Fluorene, 2-me...	11.10	5.3	ng	230248	4	11.50	874032	20.0
Dibenzothiophene	11.40	7.0	ng	305429	4	11.50	874032	20.0
Phenanthrene, 2-m...	12.03	13.1	ng	571708	4	11.50	874032	20.0
Anthracene, 2-met...	12.08	4.6	ng	201392	4	11.50	874032	20.0
4H-Cyclopenta[def...	12.11	19.8	ng	866875	4	11.50	874032	20.0
Naphthalene, 2-ph...	12.30	10.2	ng	447075	4	11.50	874032	20.0
9,10-Dimethylanth...	12.55	8.0	ng	348137	4	11.50	874032	20.0
Acephenanthrylene...	12.59	5.5	ng	242507	4	11.50	874032	20.0
11H-Benzo[b]fluorene	13.27	4.9	ng	692228	5	14.15	2806020	20.0
Benzo[e]pyrene	15.34	12.2	ng	519525	6	15.69	849948	20.0
3,4-Dibromobenzal...	16.28	5.9	ng	251198	6	15.69	849948	20.0
Dibenzo[def,mno]c...	18.02	9.4	ng	400653	6	15.69	849948	20.0