LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071318\
Data File : BF107366.D
Acq On : 13 Jul 2018 14:49
Operator : JU/SJ
Sample : J3948-05 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2018-NYSEG-CLARK-ST-PH4-AREA

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

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

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.572	547	550	570	rVB	113554	142744	6.04%	0.317%
2	6.584	719	722	724	rBV	93330	109100	4.61%	0.242%
3	6.707	740	743	747	rVV	160065	150678	6.37%	0.335%
4	6.925	777	780	786	rBV	264140	263935	11.16%	0.586%
5	7.101	808	810	814	rVV	230998	191639	8.11%	0.426%
6	7.495	873	877	881	rBV2	89930	116112	4.91%	0.258%
7	7.942	950	953	958	rVV2	87348	125402	5.30%	0.279%
8	7.989	958	961	966	rVV	96354	131441	5.56%	0.292%
9	8.213	996	999	1001	rVV	353343	331060	14.00%	0.735%
10	8.236	1001	1003	1009	rVV	356769	317396	13.42%	0.705%
11	8.854	1103	1108	1117	rVB4	51900	126349	5.34%	0.281%
12	9.031	1132	1138	1141	rBV	1143446	1048944	44.36%	2.330%
13	9.283	1178	1181	1185	rBV	159918	132450	5.60%	0.294%
14	9.389	1196	1199	1204	rVB	395657	321367	13.59%	0.714%
15	9.483	1213	1215	1221	rVB	177117	225213	9.53%	0.500%
16	9.554	1223	1227	1231	rBV	225889	311934	13.19%	0.693%
17	9.630	1236	1240	1243	rVV	483348	507316	21.46%	1.127%
18	9.660	1243	1245	1248	rVV	179352	161662	6.84%	0.359%
19	9.748	1257	1260	1268	rVB	253337	276625	11.70%	0.614%
20	9.836	1272	1275	1280	rVB2	385568	371610	15.72%	0.825%
21	9.978	1296	1299	1301	rVV	320590	286846	12.13%	0.637%
22	10.013	1301	1305	1308	rVV	1565175	1513767	64.02%	3.363%
23	10.172	1329	1332	1336	rBV3	121888	153952	6.51%	0.342%
24	10.283	1348	1351	1354	rBV2	147528	168315	7.12%	0.374%
25	10.430	1373	1376	1380	rBV	266310	255056	10.79%	0.567%
26	10.501	1385	1388	1390	rBV	199309	184318	7.80%	0.409%
27	10.530	1390	1393	1397	rVB	700269	640832	27.10%	1.424%
28	10.595	1402	1404	1409	rVB4	90326	123962	5.24%	0.275%
29	10.636	1409	1411	1414	rBV	179007	161640	6.84%	0.359%
30	10.754	1428	1431	1433	rBV2	235152	216867	9.17%	0.482%
31	11.077	1482	1486	1489	rVV	187563	257398	10.89%	0.572%
32	11.107	1489	1491	1493	rVV2	149083	132677	5.61%	0.295%
33	11.160	1497	1500	1503	rVV	127272	110256	4.66%	0.245%
34	11.366	1532	1535	1545	rVB3	90623	141857	6.00%	0.315%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071318\
Data File : BF107366.D
Acq On : 13 Jul 2018 14:49
Operator : JU/SJ
Sample : J3948-05 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2018-NYSEG-CLARK-ST-PH4-AREA

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

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

35	11.477	1549	1554	1555	rBV	372332	346498	14.65%	0.770%
36	11.507	1555	1559	1562	rVV	1450324	1438396	60.84%	3.195%
37	11.554	1564	1567	1570	rBV	915914	813995	34.43%	1.808%
38	11.760	1600	1602	1605	rVV	155562	149360	6.32%	0.332%
39	11.807	1605	1610	1618	rVV4	76596	143198	6.06%	0.318%
40	11.977	1636	1639	1642	rBV	461495	422379	17.86%	0.938%
41	12.007	1642	1644	1648	rVV	522911	427158	18.07%	0.949%
42	12.060	1649	1653	1655	rVV	332557	324261	13.71%	0.720%
43	12.095	1655	1659	1661	rVV2	970158	1125782	47.61%	2.501%
44	12.113	1661	1662	1666	rVB	342695	261956	11.08%	0.582%
45	12.271	1685	1689	1693	rVV2	312432	300604	12.71%	0.668%
46	12.419	1709	1714	1718	rBV	201147	237189	10.03%	0.527%
47	12.530	1729	1733	1736	rBV	606453	624951	26.43%	1.388%
48	12.571	1736	1740	1745	rVB2	334240	503998	21.32%	1.120%
49	12.630	1745	1750	1753	rBV2	183239	307247	12.99%	0.683%
50	12.707	1758	1763	1766	rBV	1565422	1741732	73.66%	3.869%
51	12.795	1775	1778	1784	rVB	574490	573858	24.27%	1.275%
52	12.871	1789	1791	1795	rVB	245253	239401	10.13%	0.532%
53	12.942	1795	1803	1806	rBV	1885421	2364403	100.00%	5.252%
54	12.977	1806	1809	1813	rVB	201839	194518	8.23%	0.432%
55	13.036	1813	1819	1820	rBV3	109892	193883	8.20%	0.431%
56	13.060	1820	1823	1825	rVV2	271991	290076	12.27%	0.644%
57	13.083	1825	1827	1832	rVB3	112628	125700	5.32%	0.279%
58	13.148	1833	1838	1843	rVB3	375433	591862	25.03%	1.315%
59	13.260	1849	1857	1862	rVB	646584	1141582	48.28%	2.536%
60	13.324	1865	1868	1872	rVV	562173	558091	23.60%	1.240%
61	13.366	1872	1875	1878	rVV	526639	516701	21.85%	1.148%
62	13.430	1882	1886	1888	rBV3	165498	250599	10.60%	0.557%
63	13.460	1888	1891	1894	rVV	566704	609622	25.78%	1.354%
64	13.489	1894	1896	1905	rVB	533911	609015	25.76%	1.353%
65	13.660	1922	1925	1927	rVV	149892	189177	8.00%	0.420%
66	13.683	1927	1929	1935	rVV2	160701	236034	9.98%	0.524%
67	13.742	1935	1939	1942	rVV2	179590	332918	14.08%	0.740%
68	13.771	1942	1944	1948	rVV2	171091	242855	10.27%	0.539%
69	13.830	1951	1954	1957	rVV	105213	129768	5.49%	0.288%
70	13.866	1957	1960	1961	rVV2	163459	166611	7.05%	0.370%
71	13.883	1961	1963	1965	rVV	166041	207118	8.76%	0.460%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071318\
Data File : BF107366.D
Acq On : 13 Jul 2018 14:49
Operator : JU/SJ
Sample : J3948-05 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2018-NYSEG-CLARK-ST-PH4-AREA

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

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

72	13.907	1965	1967	1970	rVV	463749	403988	17.09%	0.897%
73	13.936	1970	1972	1975	rVV	306513	310030	13.11%	0.689%
74	14.136	2001	2006	2009	rBV2	1409498	2228690	94.26%	4.951%
75	14.171	2009	2012	2017	rVB	1122766	1140915	48.25%	2.534%
76	14.248	2022	2025	2027	rBV2	238708	200982	8.50%	0.446%
77	14.295	2030	2033	2038	rVB2	235623	255663	10.81%	0.568%
78	14.365	2040	2045	2047	rBV2	86994	149267	6.31%	0.332%
79	14.424	2047	2055	2063	rVV3	264030	1028412	43.50%	2.285%
80	14.489	2063	2066	2068	rVV	166868	164312	6.95%	0.365%
81	14.530	2068	2073	2077	rVV	514971	692647	29.29%	1.539%
82	14.565	2077	2079	2082	rVB	239732	194259	8.22%	0.432%
83	14.607	2082	2086	2088	rBV2	252005	279643	11.83%	0.621%
84	14.636	2088	2091	2093	rVV2	233650	292938	12.39%	0.651%
85	14.660	2093	2095	2097	rVV	360454	413856	17.50%	0.919%
86	14.683	2097	2099	2102	rVV	353367	369762	15.64%	0.821%
87	14.724	2103	2106	2110	rVB	173681	194131	8.21%	0.431%
88	15.048	2151	2161	2168	rBV3	258233	735910	31.12%	1.635%
89	15.230	2187	2192	2195	rBV	634954	1096829	46.39%	2.437%
90	15.342	2206	2211	2215	rBV	281162	385274	16.29%	0.856%
91	15.554	2241	2247	2253	rVB	549126	748093	31.64%	1.662%
92	15.624	2253	2259	2265	rBV	883560	1279394	54.11%	2.842%
93	15.683	2265	2269	2272	rBV	250528	318131	13.46%	0.707%
94	15.718	2272	2275	2280	rVV2	137406	183205	7.75%	0.407%
95	15.930	2296	2311	2322	rVB4	375649	1764937	74.65%	3.921%
96	16.065	2330	2334	2341	rBV5	58490	128356	5.43%	0.285%
97	16.289	2368	2372	2380	rVB2	150251	275287	11.64%	0.612%
98	17.277	2532	2540	2546	rBV2	232450	480638	20.33%	1.068%
99	17.765	2616	2623	2630	rVB	209731	463565	19.61%	1.030%
100	18.030	2662	2668	2678	rVB	83867	194033	8.21%	0.431%

Sum of corrected areas: 45016363

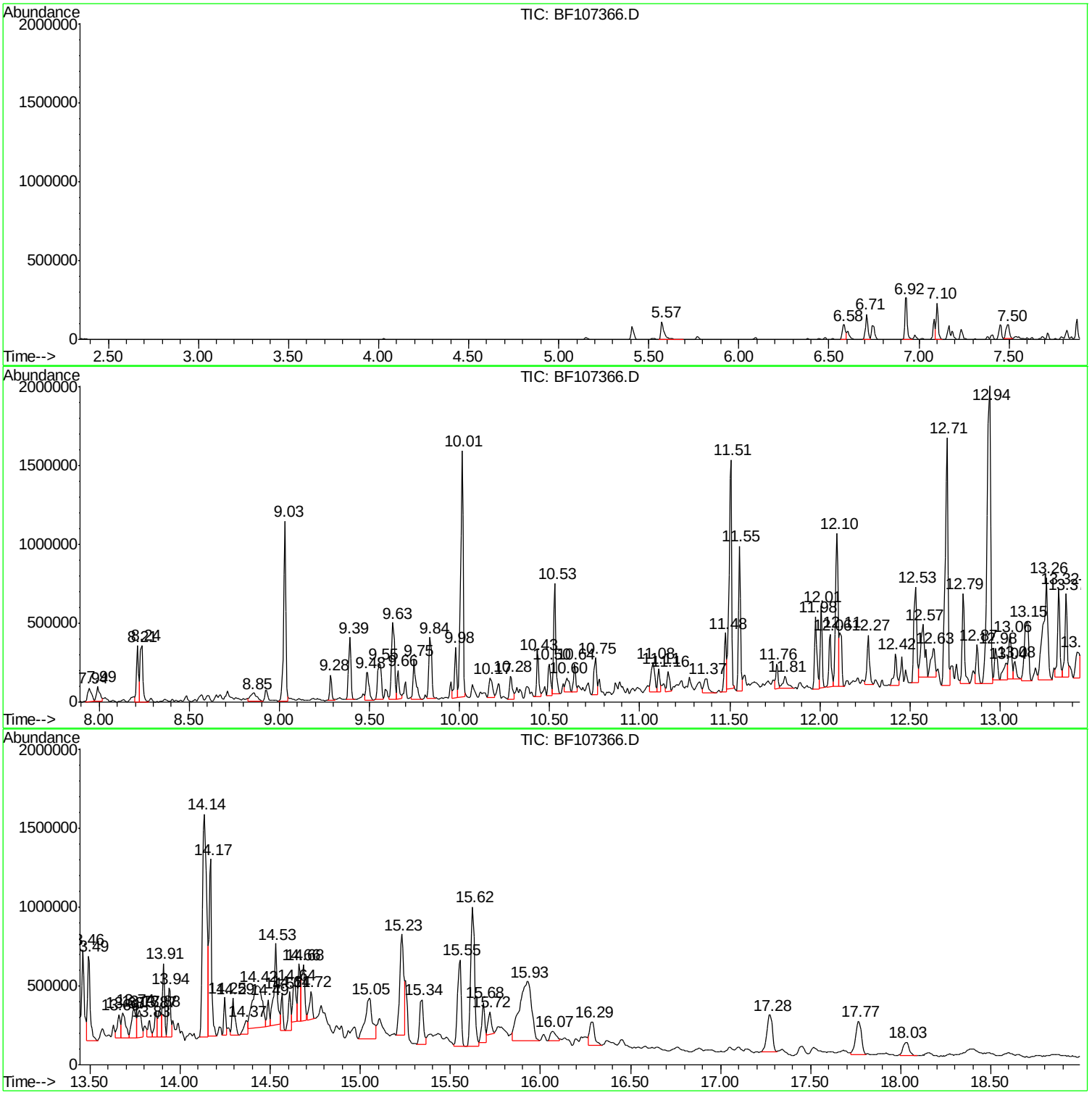
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071318\
Data File : BF107366.D
Acq On : 13 Jul 2018 14:49
Operator : JU/SJ
Sample : J3948-05 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
2018-NYSEG-CLARK-ST-PH4-AREA

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

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071318\
Data File : BF107366.D
Acq On : 13 Jul 2018 14:49
Operator : JU/SJ
Sample : J3948-05 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
2018-NYSEG-CLARK-ST-PH4-AREA

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

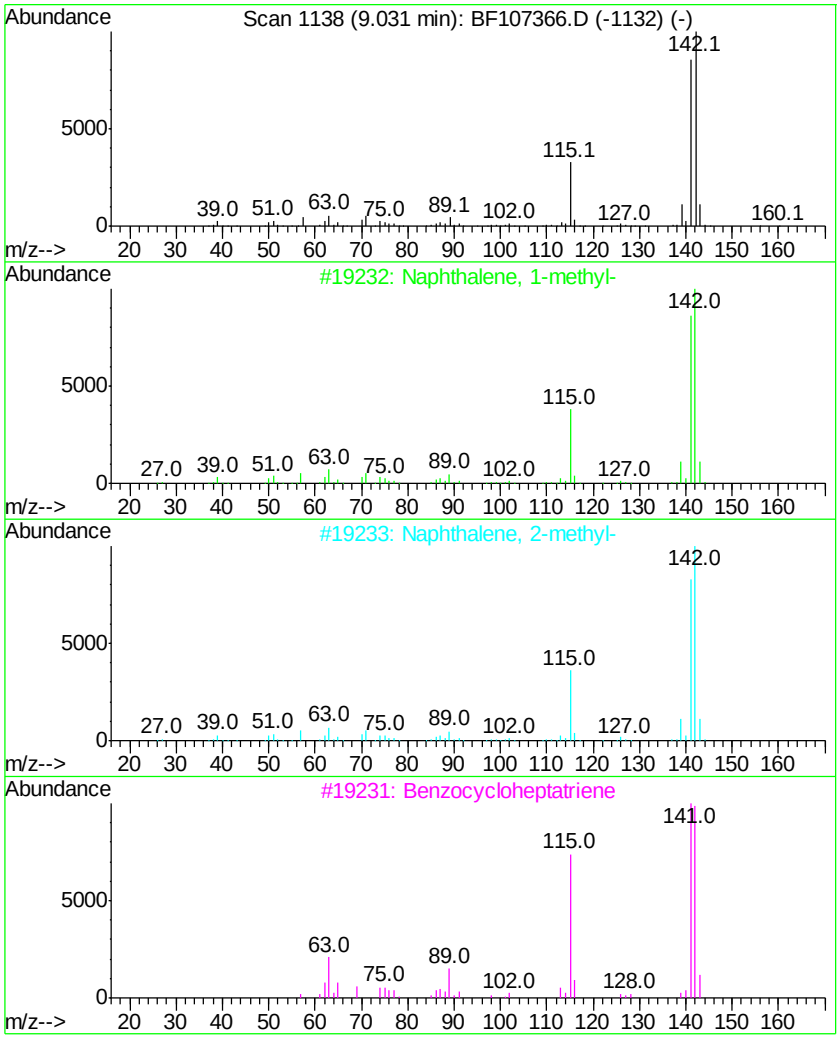
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

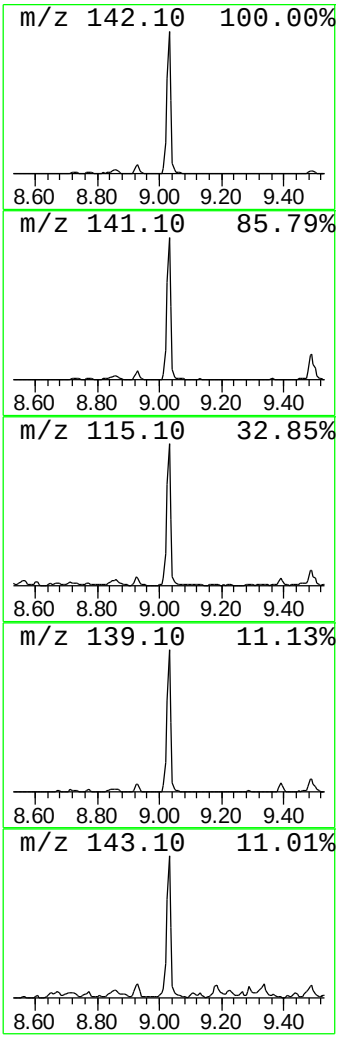
****

Peak Number 1 Naphthalene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.03	63.37 ng	1048940	Naphthalene-d8	8.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	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





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071318\
Data File : BF107366.D
Acq On : 13 Jul 2018 14:49
Operator : JU/SJ
Sample : J3948-05 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2018-NYSEG-CLARK-ST-PH4-AREA

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

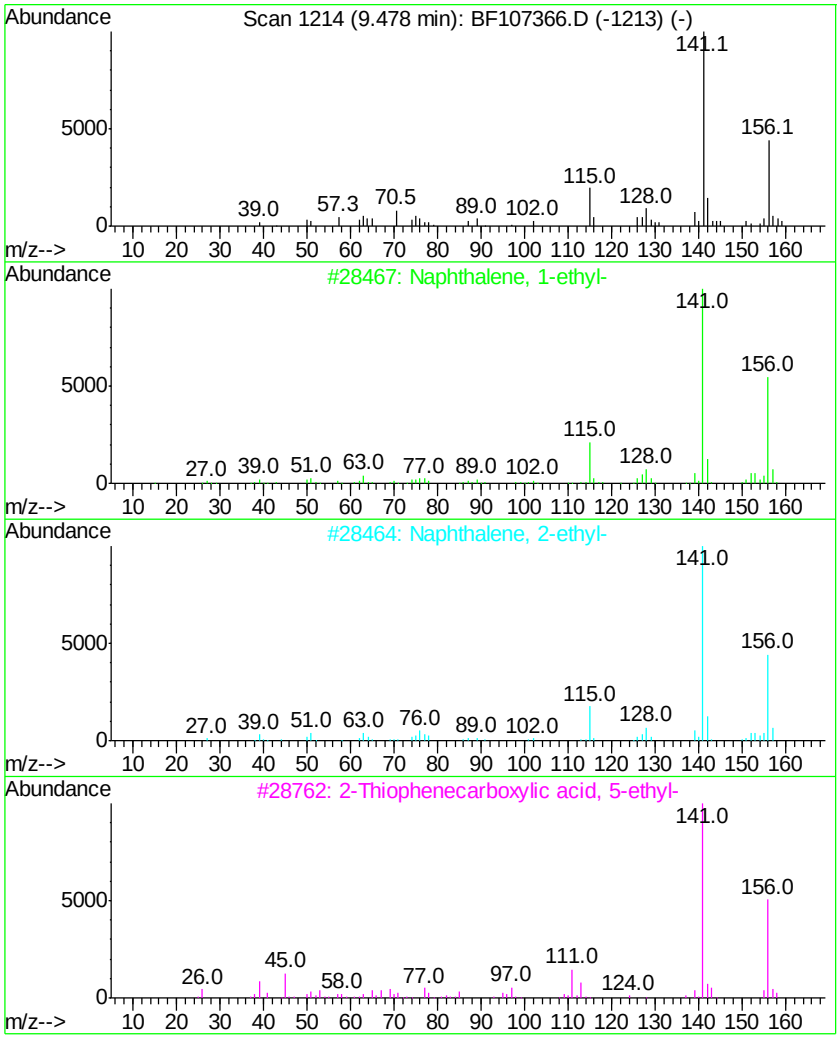
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

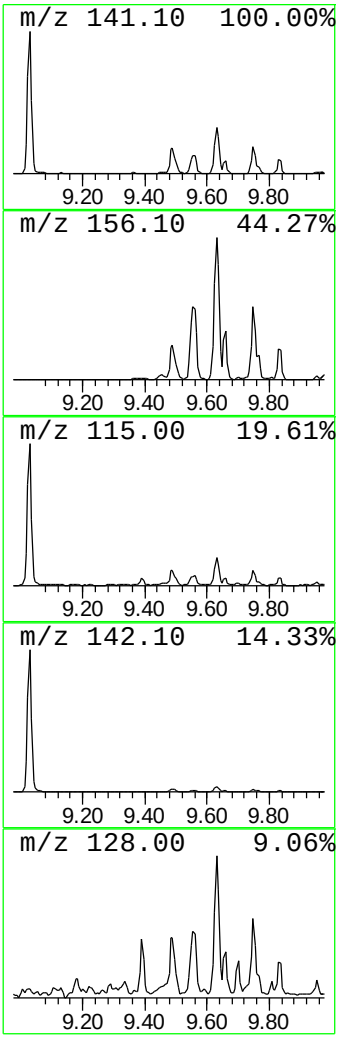
****

Peak Number 2 Naphthalene, 1-ethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.48	15.70 ng	225213	Acenaphthene-d10	9.98

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	97
3	2-Thiophenecarboxylic acid, 5-et...	156	C7H8O2S	023229-72-3	64
4	2-Amino-4-tertbutylthiazole	156	C7H12N2S	074370-93-7	59
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	56





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071318\
Data File : BF107366.D
Acq On : 13 Jul 2018 14:49
Operator : JU/SJ
Sample : J3948-05 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
2018-NYSEG-CLARK-ST-PH4-AREA

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

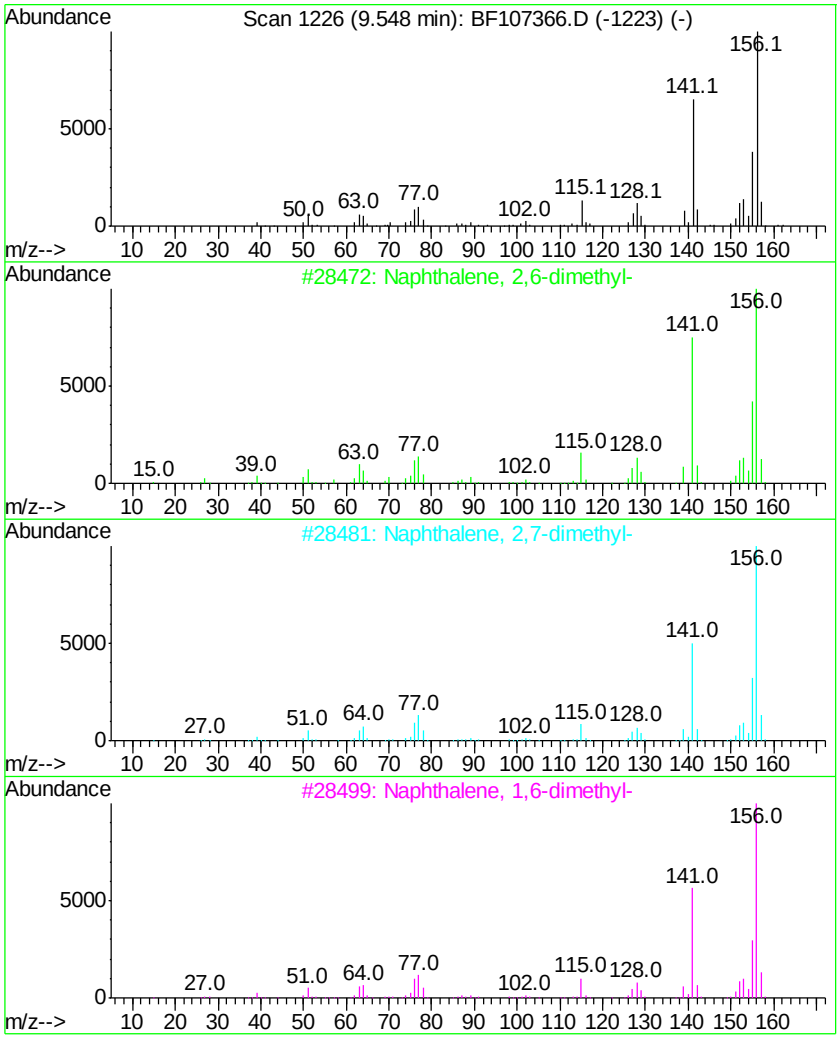
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

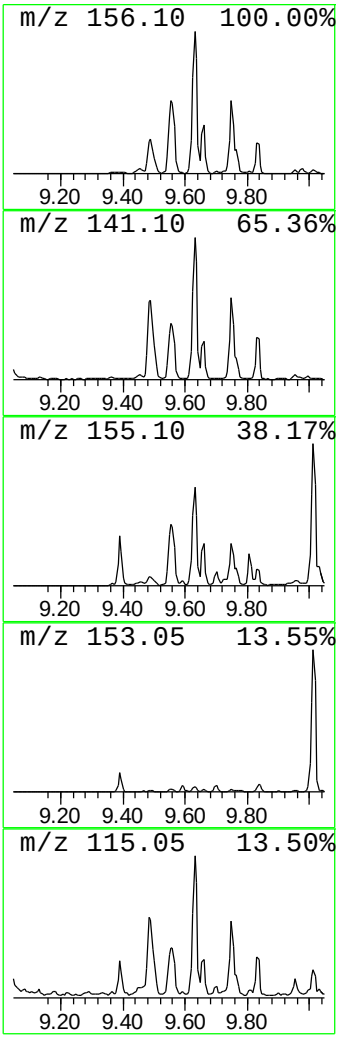
****

Peak Number 3 Naphthalene, 2,6-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.55	21.75 ng	311934	Acenaphthene-d10	9.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071318\
Data File : BF107366.D
Acq On : 13 Jul 2018 14:49
Operator : JU/SJ
Sample : J3948-05 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2018-NYSEG-CLARK-ST-PH4-AREA

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

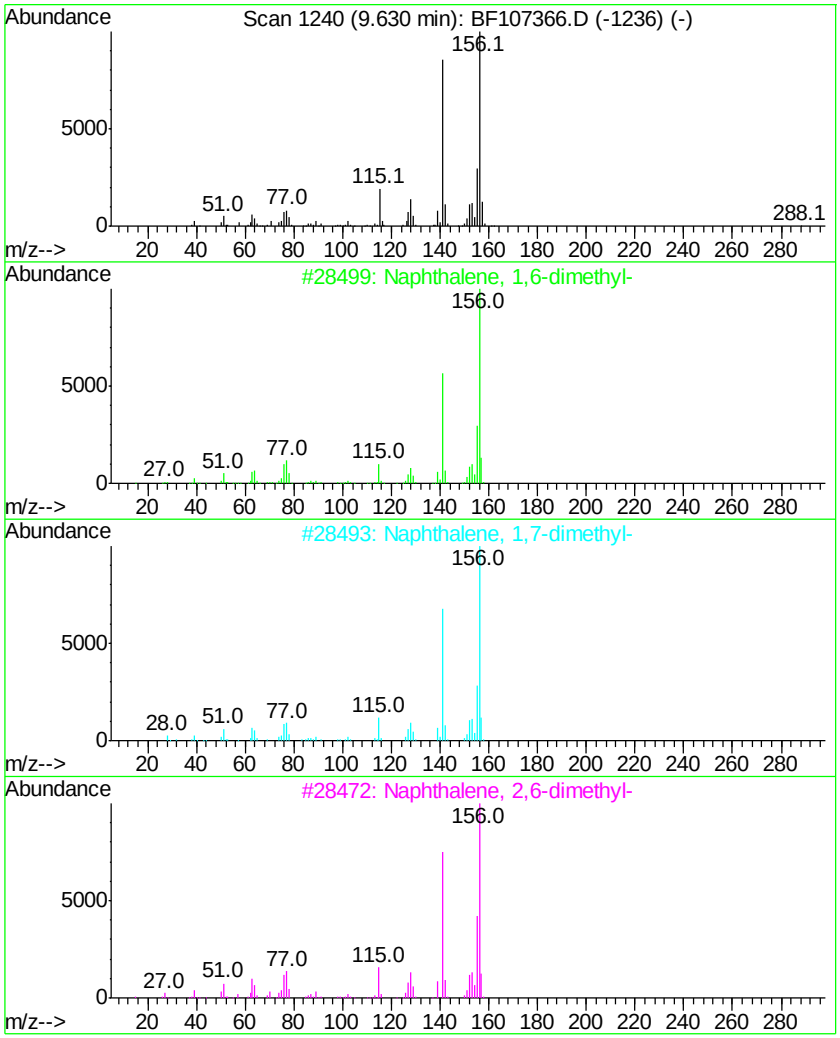
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

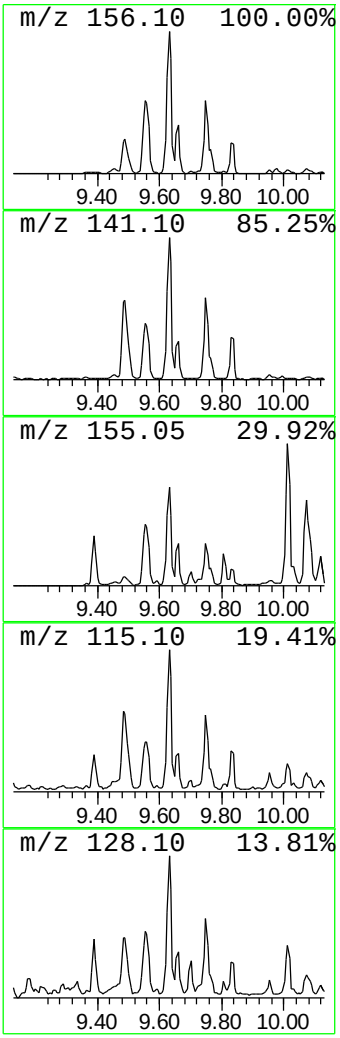
****

Peak Number 4 Naphthalene, 1,6-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.63	35.37 ng	507316	Acenaphthene-d10	9.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071318\
Data File : BF107366.D
Acq On : 13 Jul 2018 14:49
Operator : JU/SJ
Sample : J3948-05 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2018-NYSEG-CLARK-ST-PH4-AREA

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

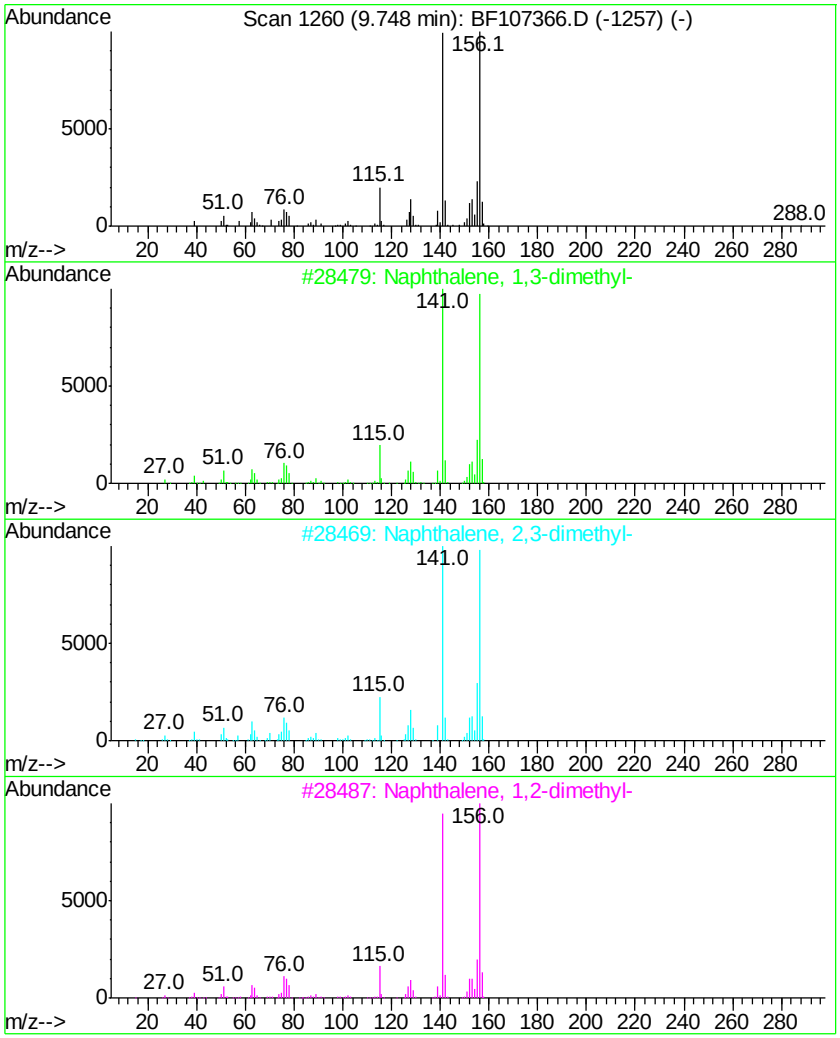
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

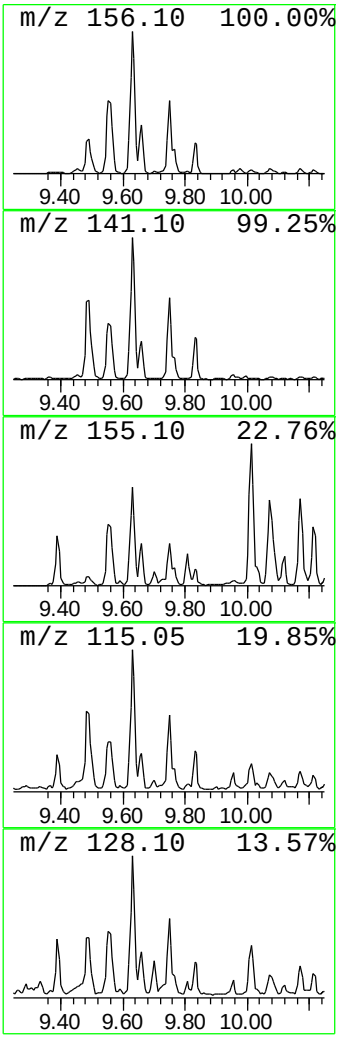
****

Peak Number 5 Naphthalene, 1,3-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.75	19.29 ng	276625	Acenaphthene-d10	9.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	98
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
3	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	97
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
5	Naphthalene, 1,8-dimethyl-	156	C12H12	000569-41-5	95





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071318\
Data File : BF107366.D
Acq On : 13 Jul 2018 14:49
Operator : JU/SJ
Sample : J3948-05 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2018-NYSEG-CLARK-ST-PH4-AREA

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

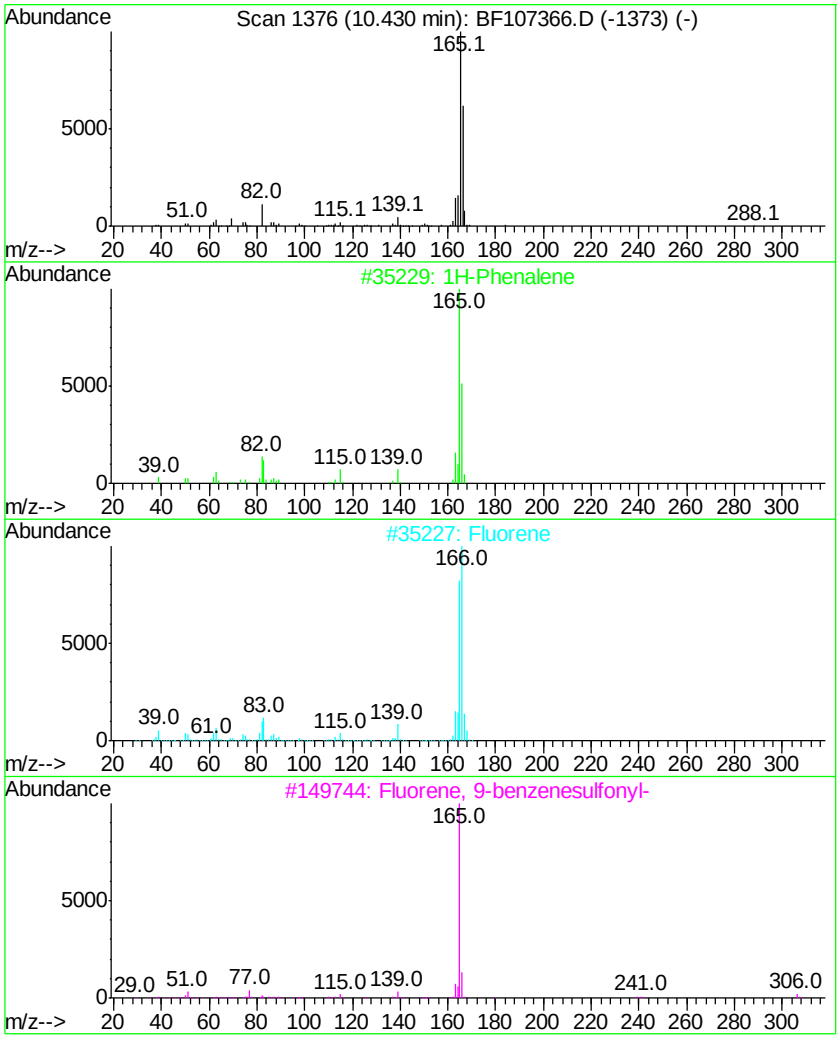
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

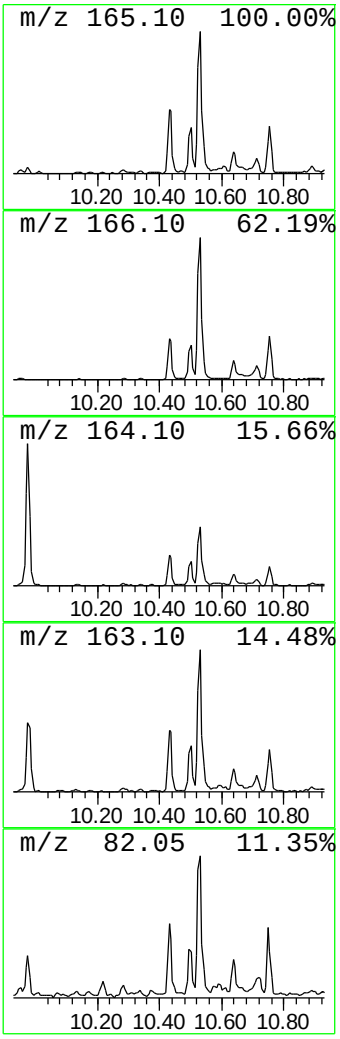
****

Peak Number 6 1H-Phenalene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.43	17.78 ng	255056	Acenaphthene-d10	9.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Phenalene	166	C13H10	000203-80-5	78
2	Fluorene	166	C13H10	000086-73-7	52
3	Fluorene, 9-benzenesulfonyl-	306	C19H14O2S	022010-78-2	33
4	9H-Fluorene, 9-bromo-	244	C13H9Br	001940-57-4	22
5	1H-Indene-1,6(2H)-dione, hexahyd...	166	C10H14O2	066708-23-4	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071318\
Data File : BF107366.D
Acq On : 13 Jul 2018 14:49
Operator : JU/SJ
Sample : J3948-05 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2018-NYSEG-CLARK-ST-PH4-AREA

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

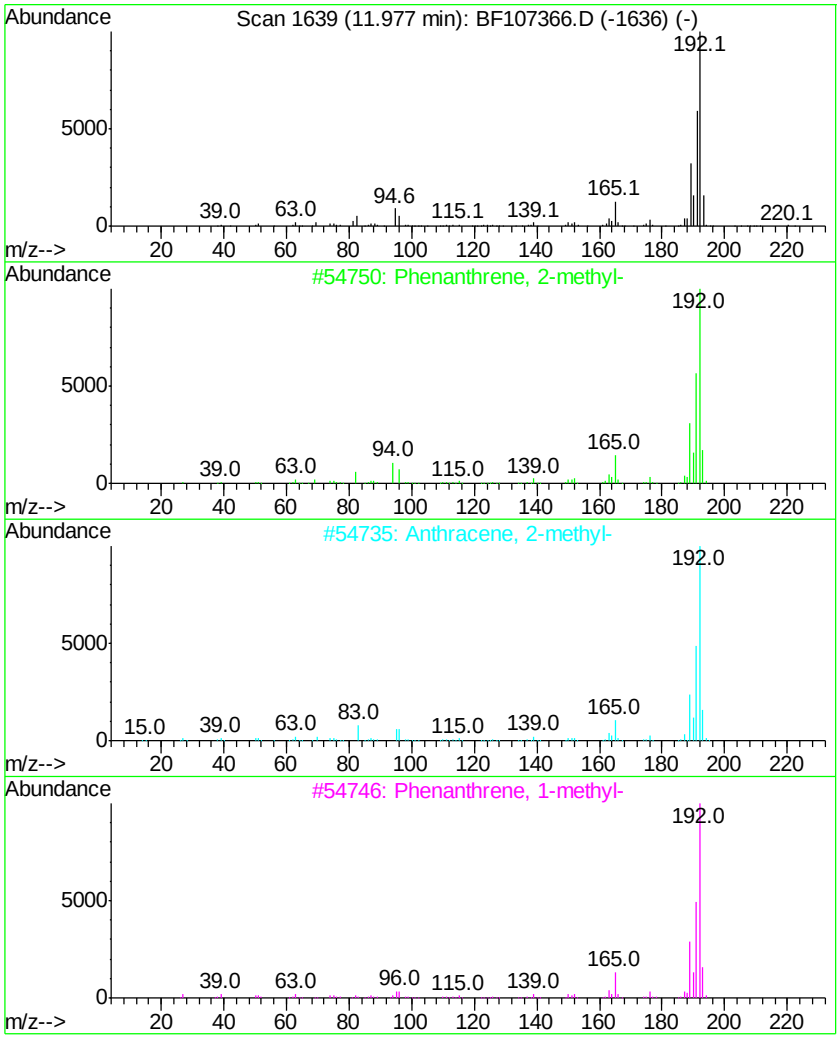
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

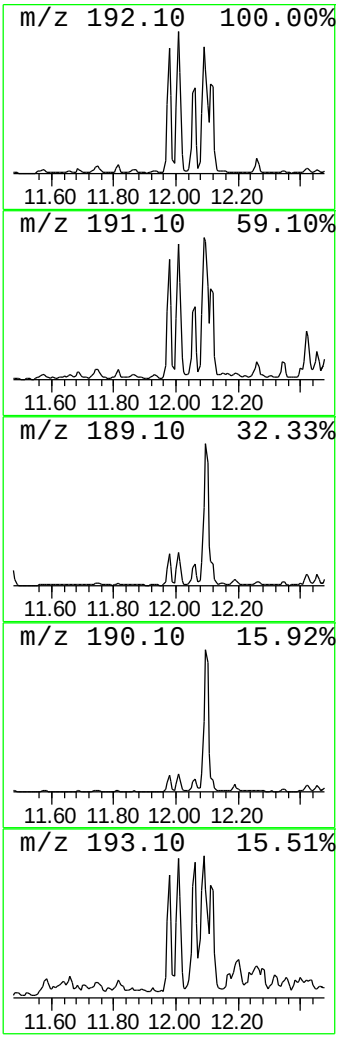
****

Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.98	24.38 ng	422379	Phenanthrene-d10	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071318\
Data File : BF107366.D
Acq On : 13 Jul 2018 14:49
Operator : JU/SJ
Sample : J3948-05 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2018-NYSEG-CLARK-ST-PH4-AREA

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

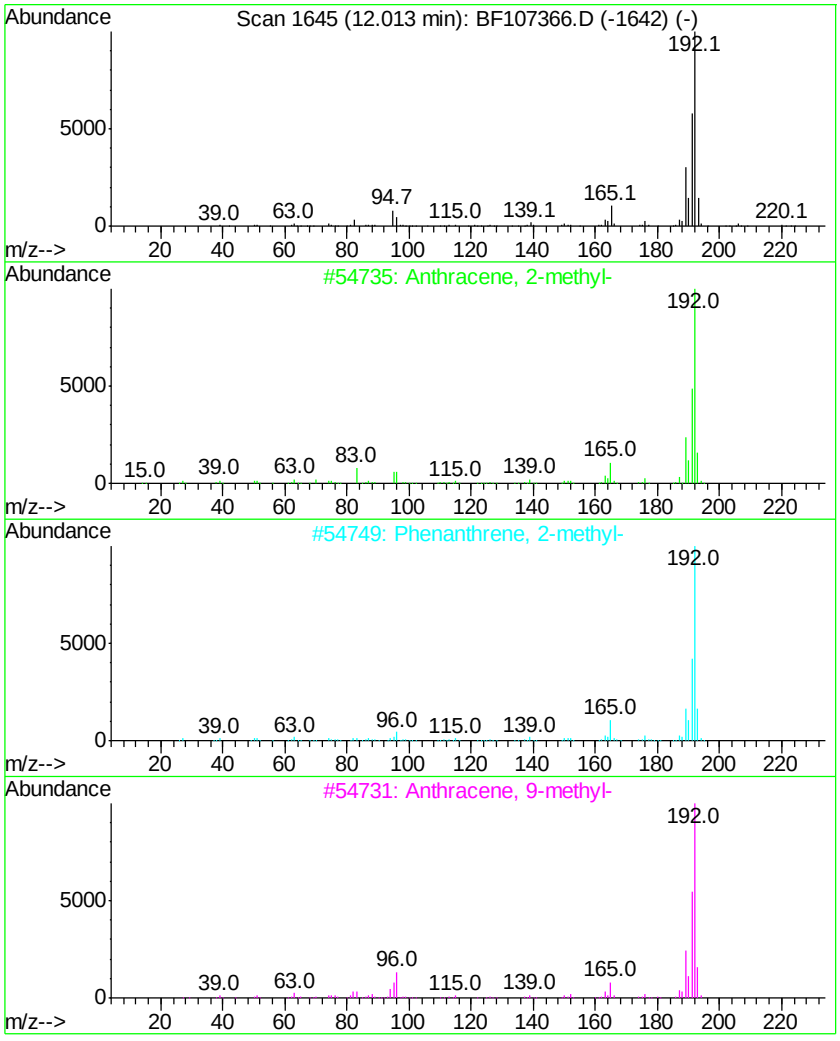
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

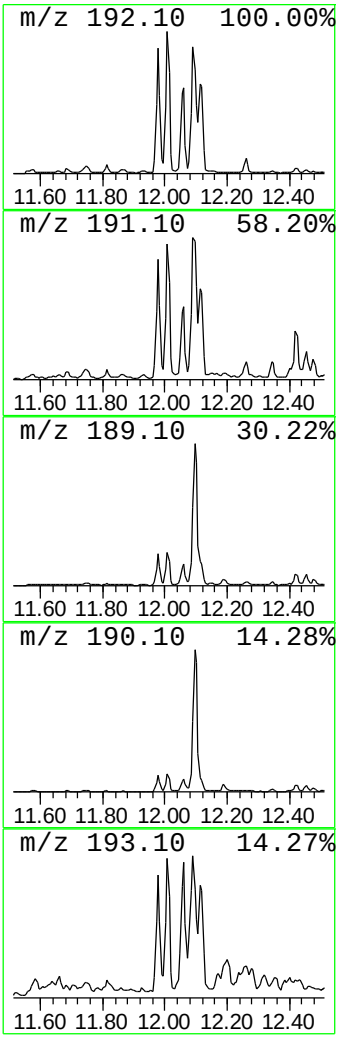
****

Peak Number 8 Anthracene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.01	24.66 ng	427158	Phenanthrene-d10	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071318\
Data File : BF107366.D
Acq On : 13 Jul 2018 14:49
Operator : JU/SJ
Sample : J3948-05 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
2018-NYSEG-CLARK-ST-PH4-AREA

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

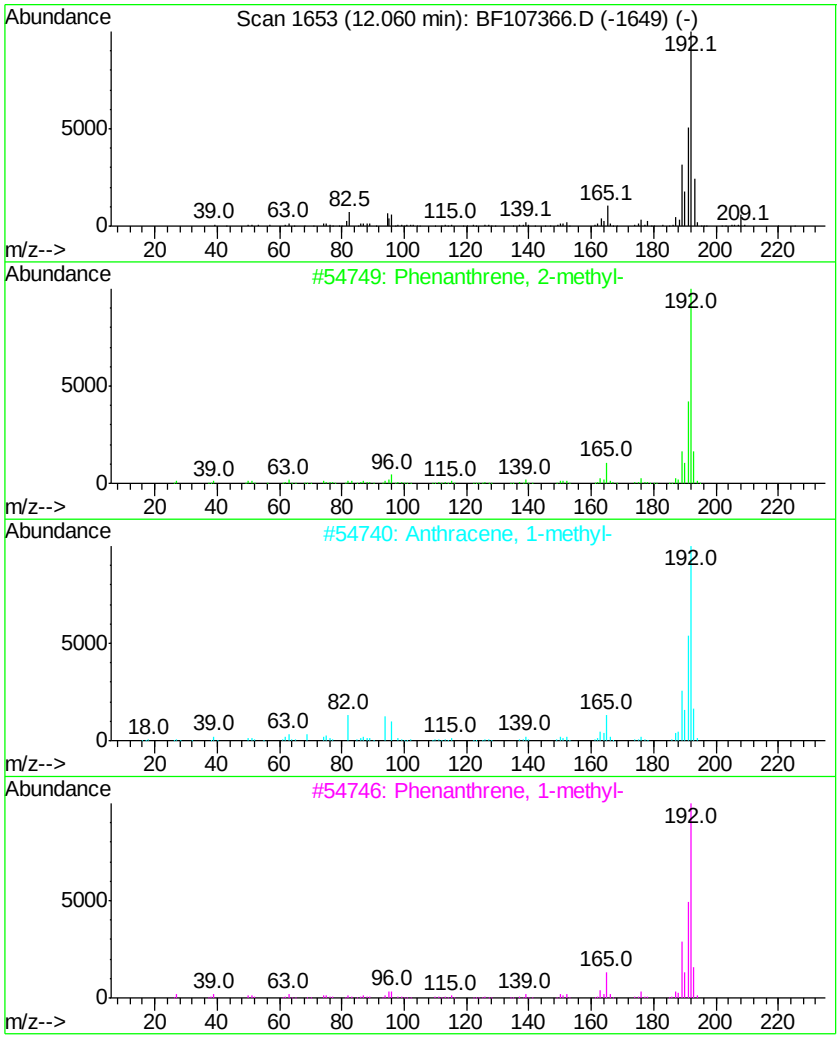
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

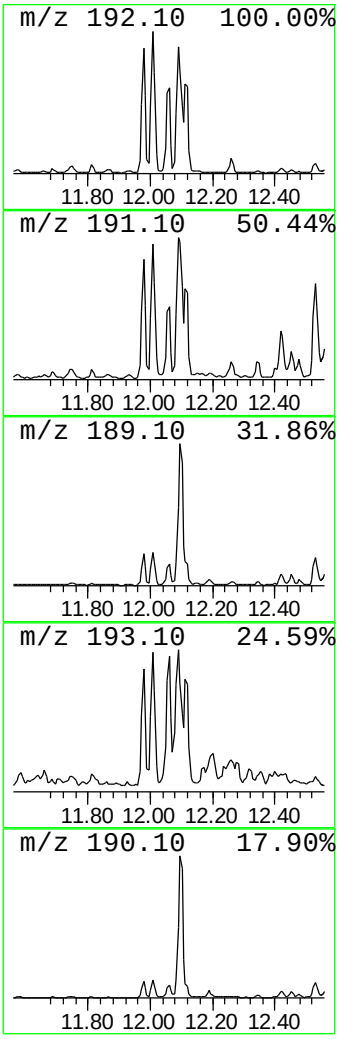
****

Peak Number 9 Phenanthrene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.06	18.72 ng	324261	Phenanthrene-d10	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	90
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071318\
Data File : BF107366.D
Acq On : 13 Jul 2018 14:49
Operator : JU/SJ
Sample : J3948-05 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2018-NYSEG-CLARK-ST-PH4-AREA

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

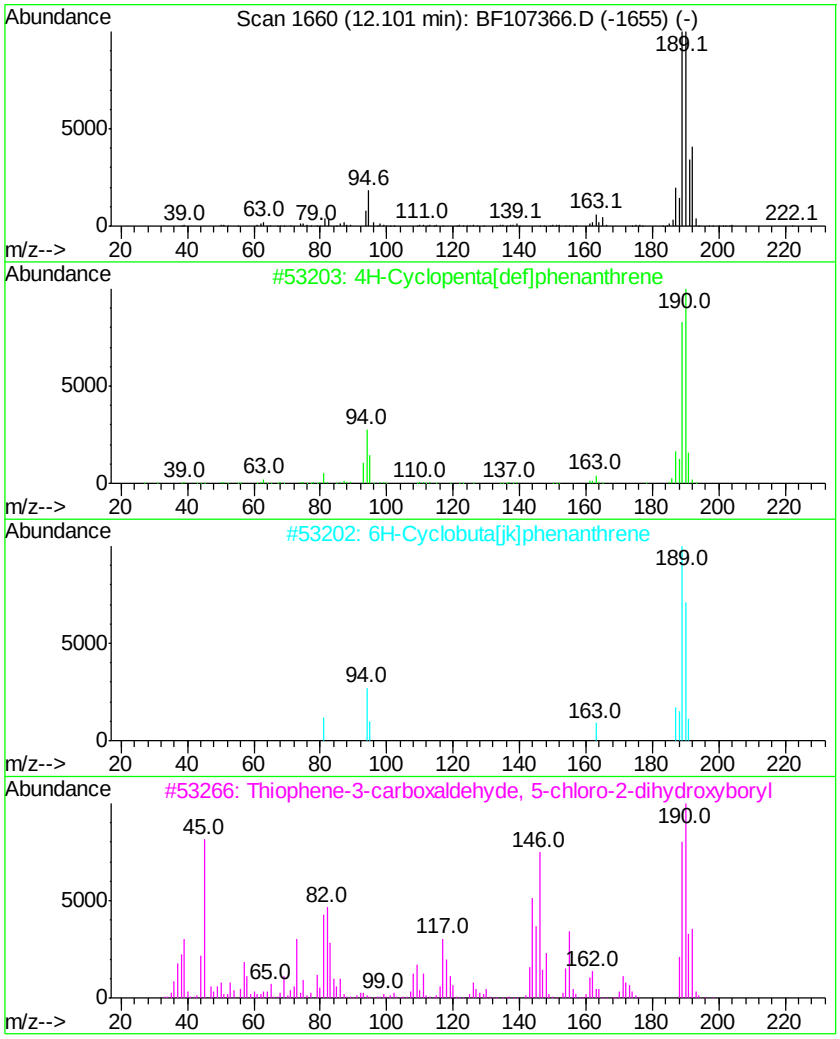
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

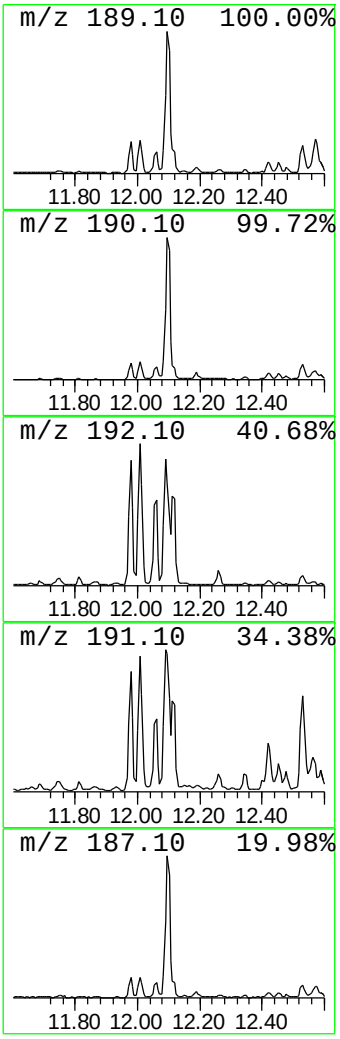
****

Peak Number 10 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.10	64.98 ng	1125780	Phenanthrene-d10	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	53
3	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	53
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43
5	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	40





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071318\
Data File : BF107366.D
Acq On : 13 Jul 2018 14:49
Operator : JU/SJ
Sample : J3948-05 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2018-NYSEG-CLARK-ST-PH4-AREA

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

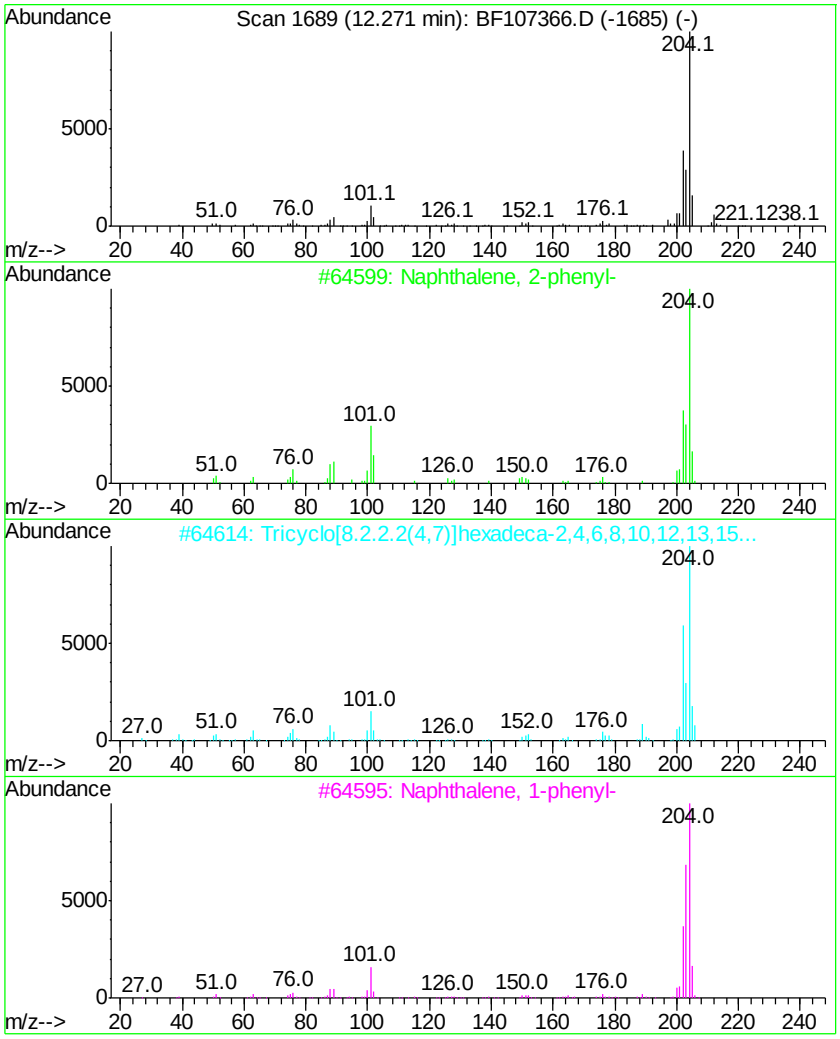
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

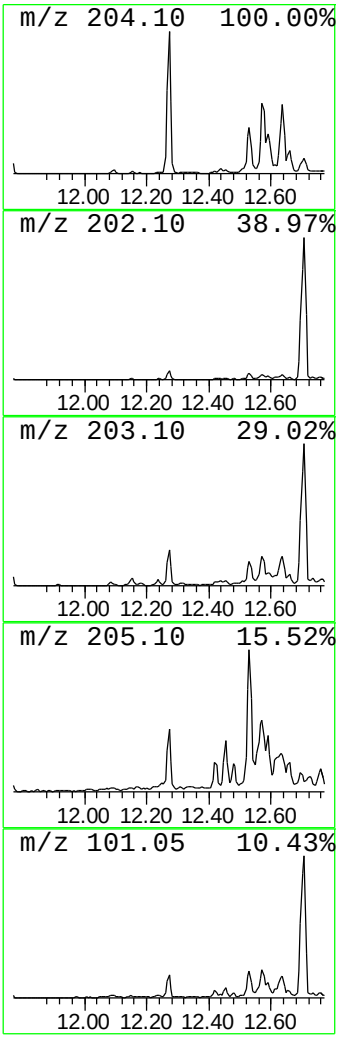
****

Peak Number 11 Naphthalene, 2-phenyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.27	17.35 ng	300604	Phenanthrene-d10	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	53
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	46
4	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	43
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	43





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071318\
Data File : BF107366.D
Acq On : 13 Jul 2018 14:49
Operator : JU/SJ
Sample : J3948-05 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2018-NYSEG-CLARK-ST-PH4-AREA

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

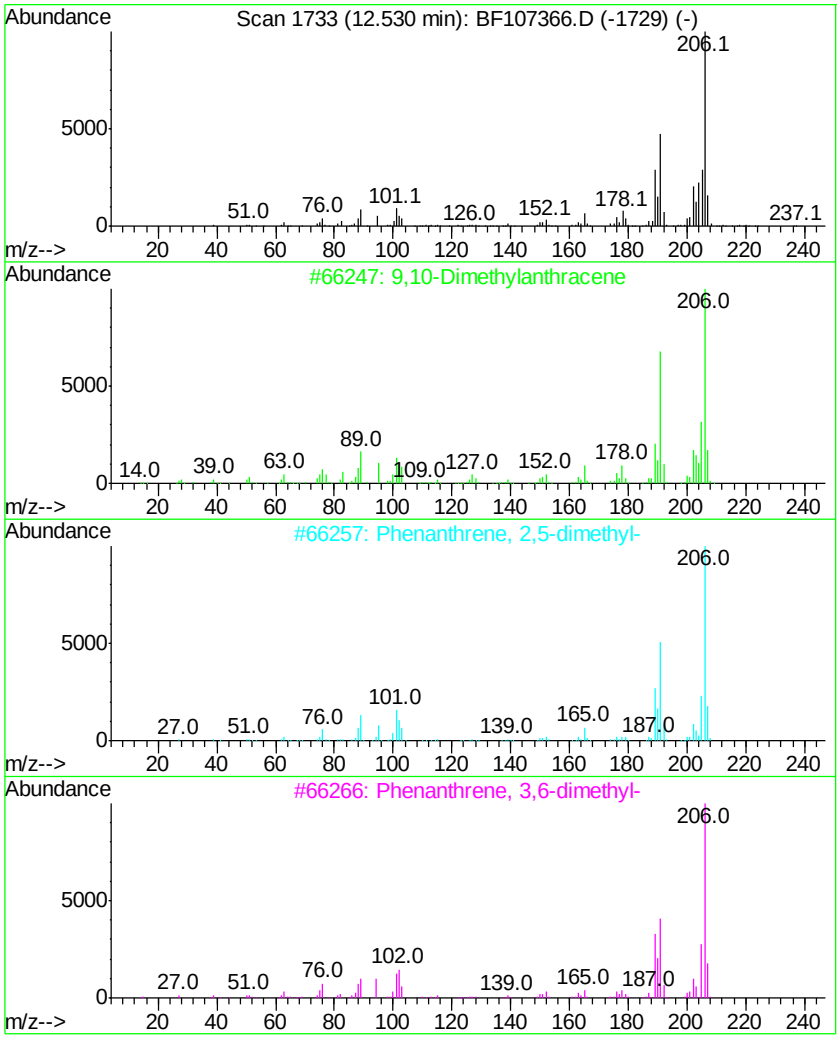
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

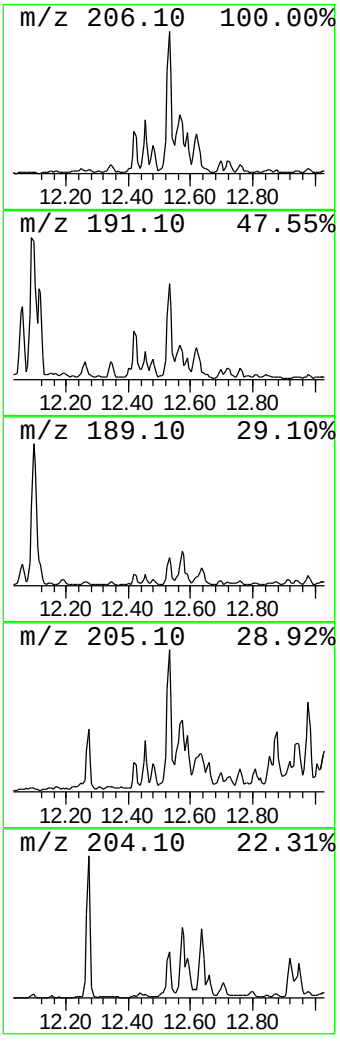
****

Peak Number 12 9,10-Dimethylanthracene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.53	36.07 ng	624951	Phenanthrene-d10	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	95
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	90
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	89
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	86
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	81





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071318\
Data File : BF107366.D
Acq On : 13 Jul 2018 14:49
Operator : JU/SJ
Sample : J3948-05 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2018-NYSEG-CLARK-ST-PH4-AREA

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

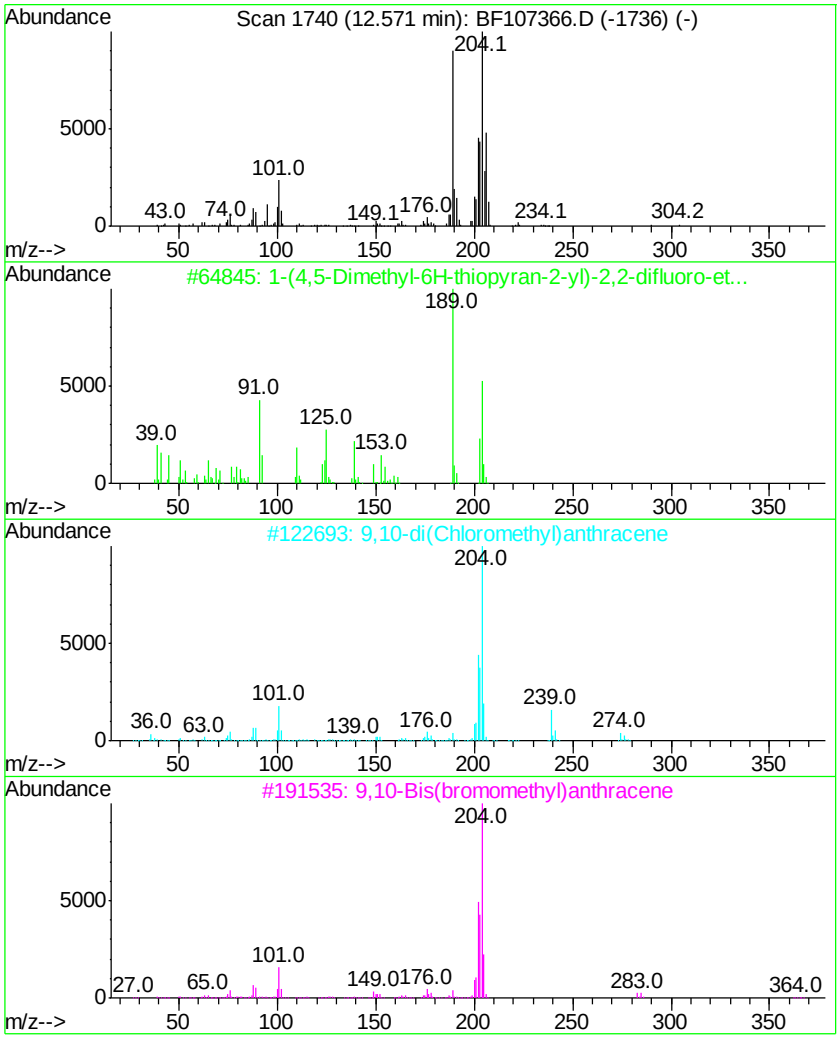
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

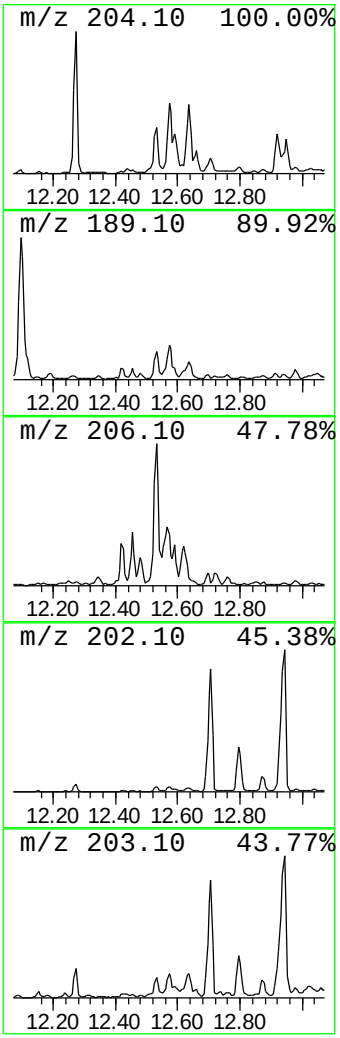
****

Peak Number 13 1-(4,5-Dimethyl-6H-thiopyra... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.57	29.09 ng	503998	Phenanthrene-d10	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-(4,5-Dimethyl-6H-thiopyran-2-y...	204	C9H10F2OS	1000318-25-0	52
2	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	46
3	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	46
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	41
5	2,5,5,8a-Tetramethyl-6,7,8,8a-te...	204	C14H20O	124957-09-1	38





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071318\
Data File : BF107366.D
Acq On : 13 Jul 2018 14:49
Operator : JU/SJ
Sample : J3948-05 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2018-NYSEG-CLARK-ST-PH4-AREA

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

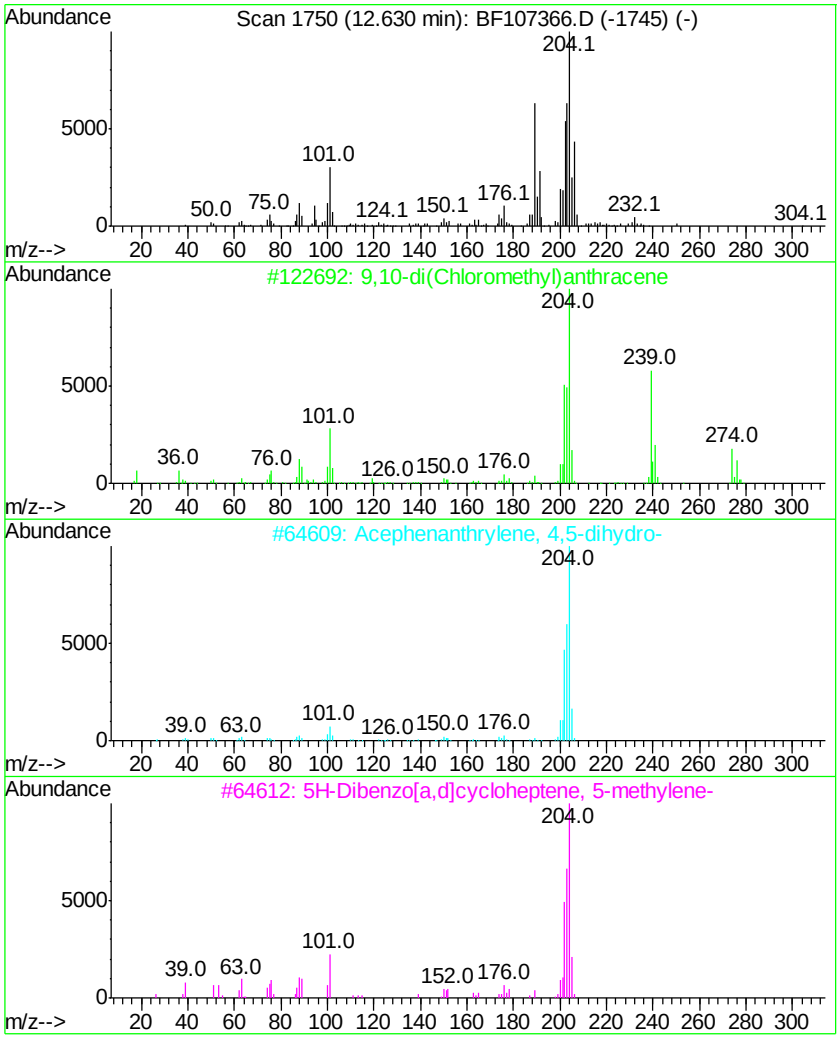
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

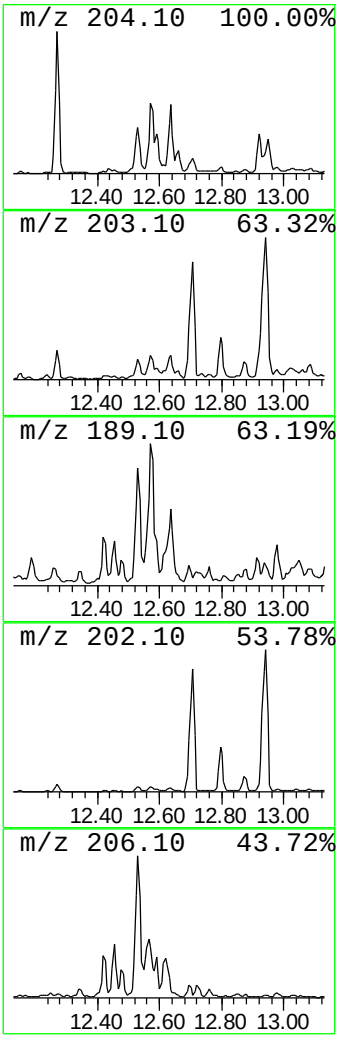
****

Peak Number 14 9,10-di(Chloromethyl)anthra... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.63	17.73 ng	307247	Phenanthrene-d10	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	53
2	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	50
3	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	49
4	Pyrimidine, 2-chloro-4-methyl-6-...	204	C11H9ClN2	032785-40-3	46
5	1,4-Ethenoanthracene, 1,4-dihydro-	204	C16H12	027765-96-4	43





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071318\
Data File : BF107366.D
Acq On : 13 Jul 2018 14:49
Operator : JU/SJ
Sample : J3948-05 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
2018-NYSEG-CLARK-ST-PH4-AREA

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

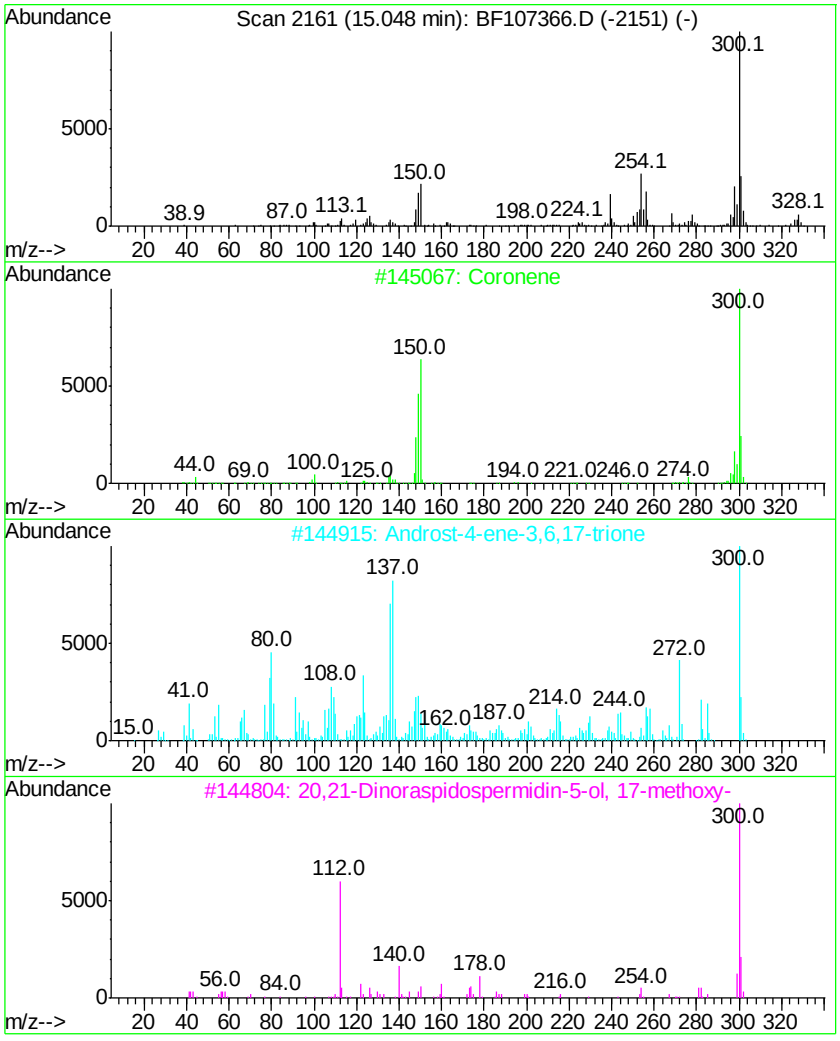
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

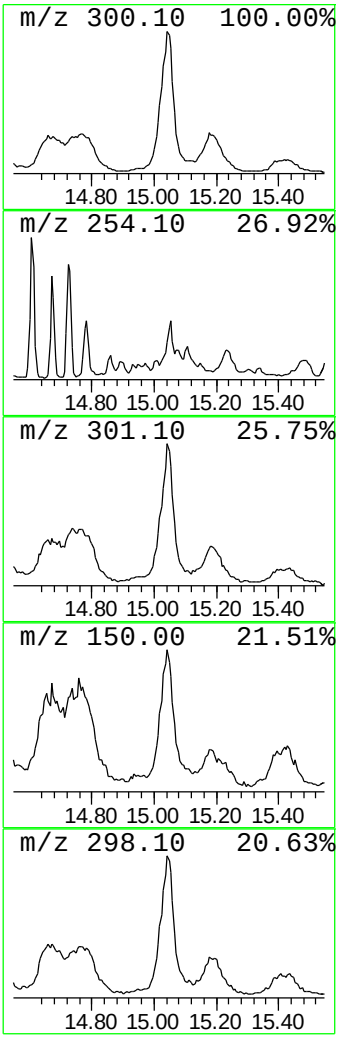
****

Peak Number 16 Androst-4-ene-3,6,17-trione Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.05	46.26 ng	735910	Perylene-d12	15.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Coronene	300	C24H12	000191-07-1	70
2	Androst-4-ene-3,6,17-trione	300	C19H24O3	002243-06-3	55
3	20,21-Dinoraspidospermidin-5-ol,...	300	C18H24N2O2	055162-77-1	50
4	2,4-Dinitro-5,10-dihydro-dibenzo...	300	C13H8N4O5	022177-14-6	50
5	Estra-1,3,5(10)-trien-17-one, 3-...	300	C19H24O3	074299-14-2	47





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071318\
Data File : BF107366.D
Acq On : 13 Jul 2018 14:49
Operator : JU/SJ
Sample : J3948-05 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2018-NYSEG-CLARK-ST-PH4-AREA

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

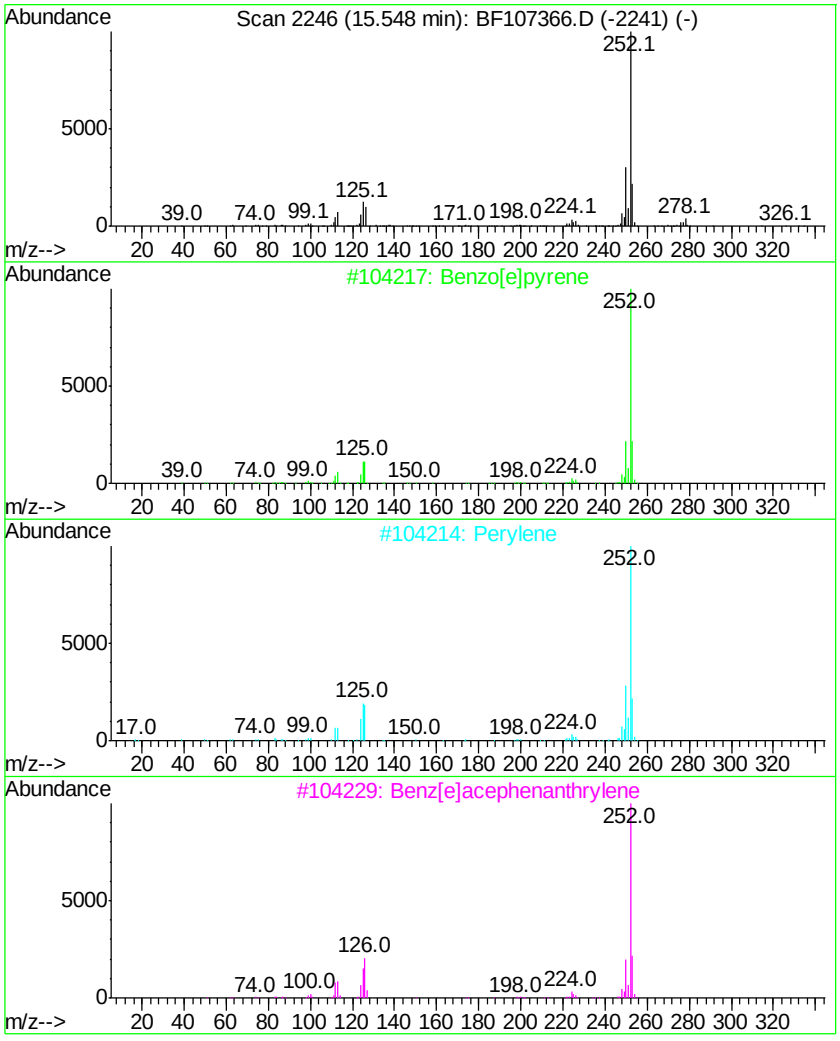
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

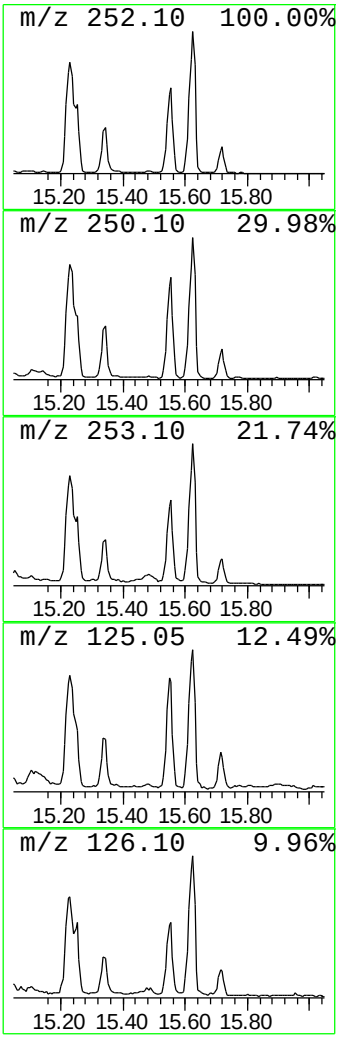
****

Peak Number 18 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.55	47.03 ng	748093	Perylene-d12	15.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Perylene	252	C20H12	000198-55-0	97
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
4	Benzo[a]pyrene	252	C20H12	000050-32-8	93
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	89





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071318\
Data File : BF107366.D
Acq On : 13 Jul 2018 14:49
Operator : JU/SJ
Sample : J3948-05 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2018-NYSEG-CLARK-ST-PH4-AREA

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

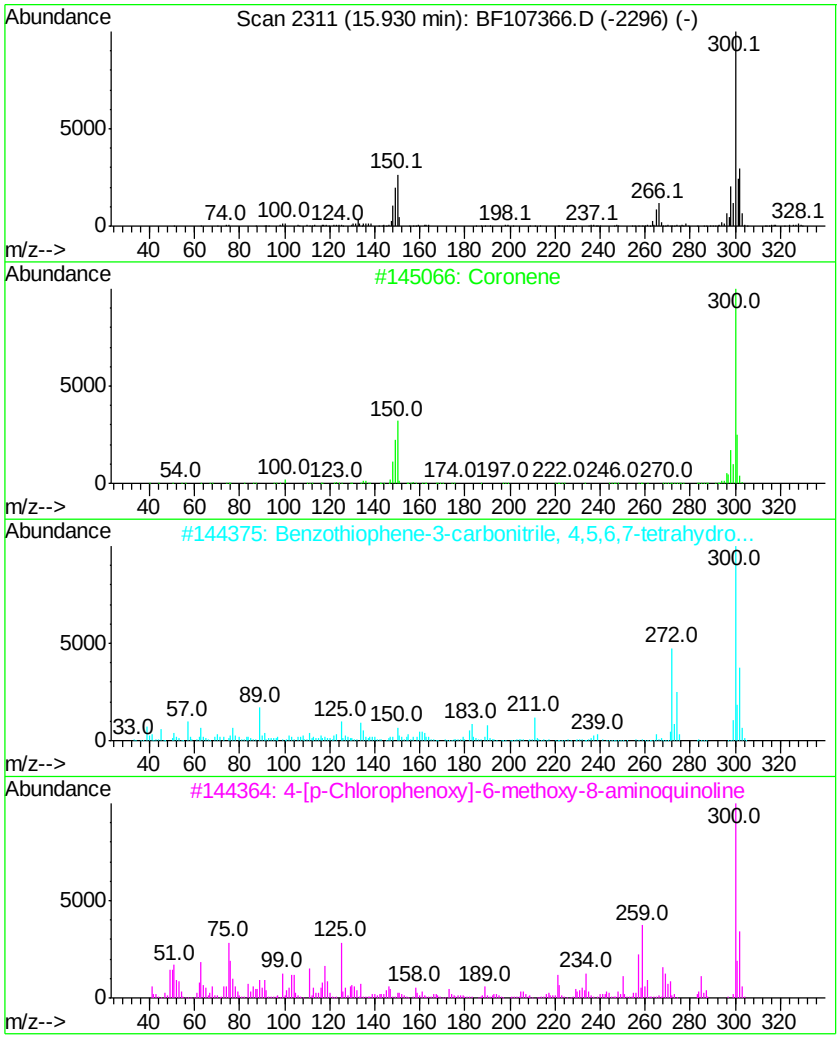
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

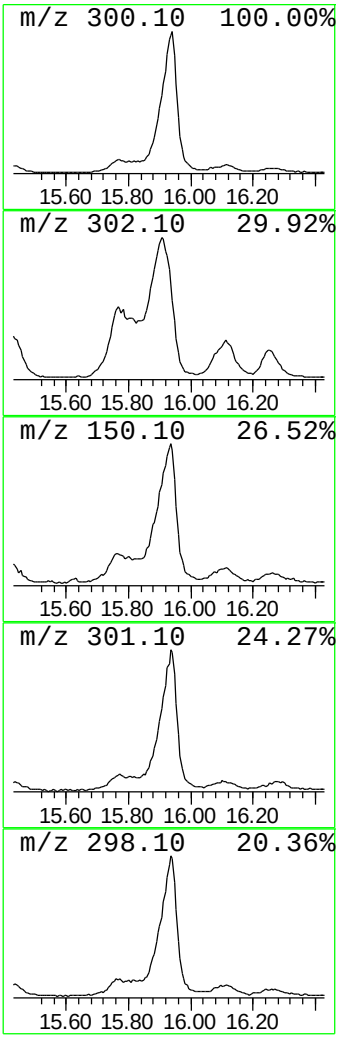
****

Peak Number 19 Coronene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.93	110.96 ng	1764940	Perylene-d12	15.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Coronene	300	C24H12	000191-07-1	96
2	Benzothiophene-3-carbonitrile, 4...	300	C16H13ClN2S	069438-07-9	47
3	4-[p-Chlorophenoxy]-6-methoxy-8-...	300	C16H13ClN2O2	063456-90-6	47
4	Silane, (3-chlorophenyloxy)dimet...	300	C15H25ClO2Si	1000346-88-0	47
5	Estra-1,3,5(10)-trien-17-one, 3-...	300	C19H24O3	074299-14-2	43





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071318\
Data File : BF107366.D
Acq On : 13 Jul 2018 14:49
Operator : JU/SJ
Sample : J3948-05 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
2018-NYSEG-CLARK-ST-PH4-AREA

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

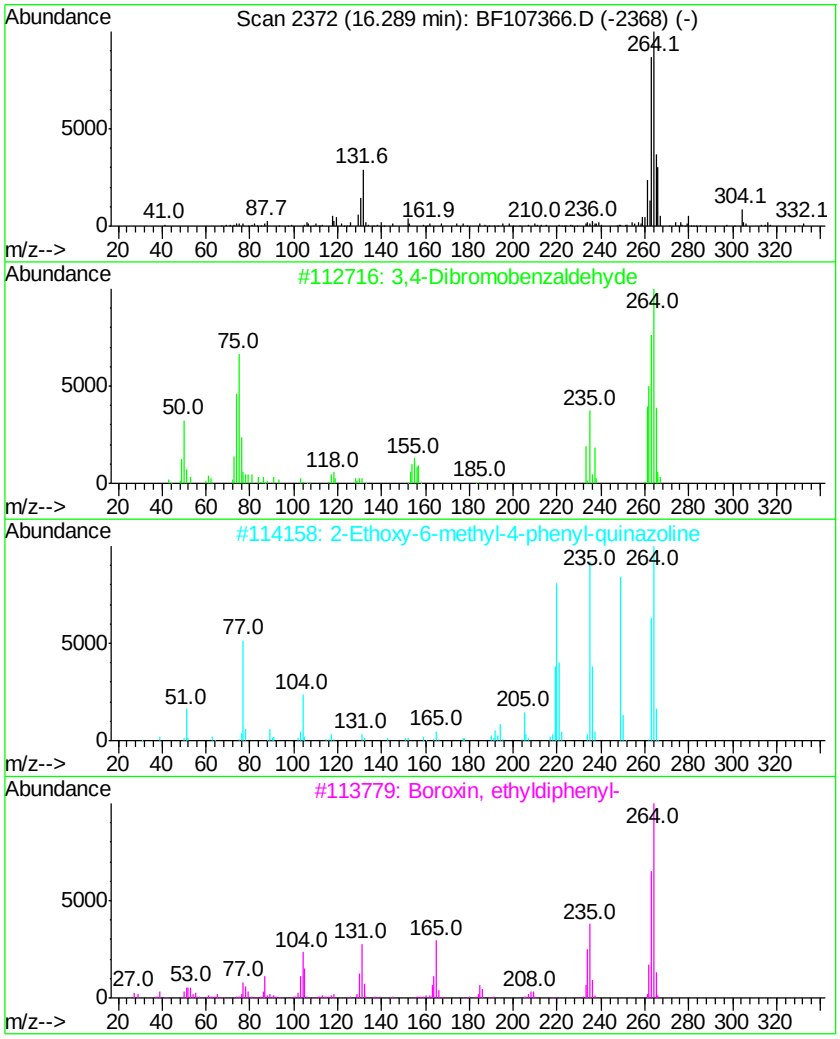
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

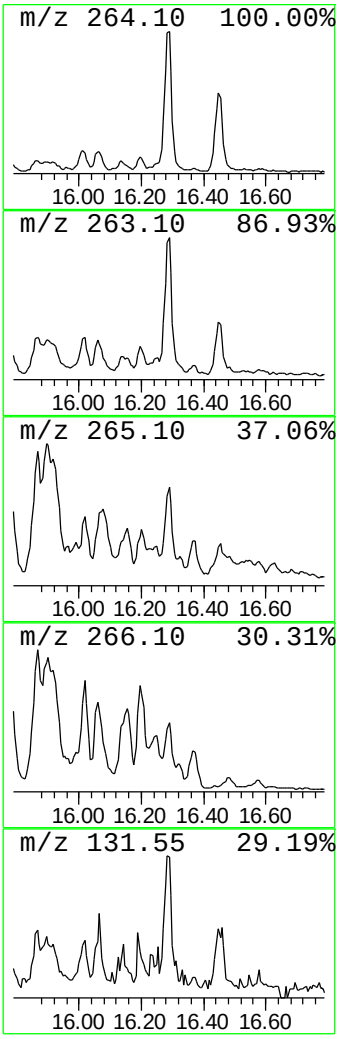
****

Peak Number 20 3,4-Dibromobenzaldehyde Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.29	17.31 ng	275287	Perylene-d12	15.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,4-Dibromobenzaldehyde	262	C7H4Br2O	074003-55-7	64
2	2-Ethoxy-6-methyl-4-phenyl-quina...	264	C17H16N2O	1000318-42-5	50
3	Boroxin, ethyldiphenyl-	264	C14H15B3O3	1000151-82-0	38
4	Quinoline, 2-[2-(4-chlorophenyl)...	265	C17H12ClN	005392-19-8	35
5	2-[2-Quinolinyl]methylenequinucl...	264	C17H16N2O	1000257-08-0	30





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF071318\
Data File : BF107366.D
Acq On : 13 Jul 2018 14:49
Operator : JU/SJ
Sample : J3948-05 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2018-NYSEG-CLARK-ST-PH4-AREA

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

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Naphthalene, 1-me...	9.03	63.4	ng	1048940	2	8.21	331060	20.0
Naphthalene, 1-et...	9.48	15.7	ng	225213	3	9.98	286846	20.0
Naphthalene, 2,6-...	9.55	21.8	ng	311934	3	9.98	286846	20.0
Naphthalene, 1,6-...	9.63	35.4	ng	507316	3	9.98	286846	20.0
Naphthalene, 1,3-...	9.75	19.3	ng	276625	3	9.98	286846	20.0
1H-Phenalene	10.43	17.8	ng	255056	3	9.98	286846	20.0
Phenanthrene, 2-m...	11.98	24.4	ng	422379	4	11.48	346498	20.0
Anthracene, 2-met...	12.01	24.7	ng	427158	4	11.48	346498	20.0
Phenanthrene, 1-m...	12.06	18.7	ng	324261	4	11.48	346498	20.0
4H-Cyclopenta[def...	12.10	65.0	ng	1125780	4	11.48	346498	20.0
Naphthalene, 2-ph...	12.27	17.4	ng	300604	4	11.48	346498	20.0
9,10-Dimethylanth...	12.53	36.1	ng	624951	4	11.48	346498	20.0
1-(4,5-Dimethyl-6...	12.57	29.1	ng	503998	4	11.48	346498	20.0
9,10-di(Chloromet...	12.63	17.7	ng	307247	4	11.48	346498	20.0
Androst-4-ene-3,6...	15.05	46.3	ng	735910	6	15.68	318131	20.0
Benzo[e]pyrene	15.55	47.0	ng	748093	6	15.68	318131	20.0
Coronene	15.93	111.0	ng	1764940	6	15.68	318131	20.0
3,4-Dibromobenzal...	16.29	17.3	ng	275287	6	15.68	318131	20.0