LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072518\
Data File : BF107665.D
Acq On : 25 Jul 2018 18:56
Operator : JU/SJ
Sample : J4144-01 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MCMASTER-SEDIMENT-7-23-18

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-BF072018.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	5.560	544	548	562	rBV2	649567	1175100	6.67%	0.566%
2	6.490	702	706	709	rBV	518532	538924	3.06%	0.260%
3	6.560	715	718	722	rVV	754282	702691	3.99%	0.339%
4	6.790	753	757	761	rVV2	1845896	2118056	12.02%	1.021%
5	6.966	783	787	789	rBV	963753	928204	5.27%	0.447%
6	7.019	793	796	801	rVB2	501019	527493	2.99%	0.254%
7	7.225	825	831	837	rBV	2977695	2977824	16.90%	1.435%
8	7.542	880	885	887	rVV3	332951	461903	2.62%	0.223%
9	7.607	893	896	900	rVV3	384571	466585	2.65%	0.225%
10	7.666	900	906	909	rVV	674202	840259	4.77%	0.405%
11	8.001	956	963	965	rVV2	1257493	1772420	10.06%	0.854%
12	8.031	965	968	980	rVV	1173087	1762686	10.00%	0.850%
13	8.295	1002	1013	1016	rBV2	8170798	17621104	100.00%	8.493%
14	8.331	1016	1019	1024	rVB	1284101	1519375	8.62%	0.732%
15	8.972	1122	1128	1134	rBV	6868296	9083473	51.55%	4.378%
16	9.072	1140	1145	1148	rBV	5257362	5367488	30.46%	2.587%
17	9.425	1202	1205	1212	rBV	2078891	2021712	11.47%	0.974%
18	9.525	1219	1222	1228	rVB	745172	956153	5.43%	0.461%
19	9.595	1228	1234	1238	rBV	2322514	3281022	18.62%	1.581%
20	9.666	1242	1246	1249	rVV	2936509	3454005	19.60%	1.665%
21	9.695	1249	1251	1255	rVV	2600841	2281663	12.95%	1.100%
22	9.731	1255	1257	1261	rVV	801075	807966	4.59%	0.389%
23	9.784	1261	1266	1274	rVV	1538075	2083142	11.82%	1.004%
24	9.872	1278	1281	1287	rVV2	2887656	3014072	17.10%	1.453%
25	9.989	1298	1301	1303	rBV	1130804	1064992	6.04%	0.513%
26	10.013	1303	1305	1307	rVV	1401795	1259905	7.15%	0.607%
27	10.048	1307	1311	1318	rVV	6131899	7351417	41.72%	3.543%
28	10.107	1318	1321	1326	rVV	343462	568211	3.22%	0.274%
29	10.219	1335	1340	1343	rVV	4312357	5267419	29.89%	2.539%
30	10.248	1343	1345	1349	rVV	964479	894994	5.08%	0.431%
31	10.319	1353	1357	1360	rBV2	1012462	1200372	6.81%	0.579%
32	10.354	1360	1363	1369	rVV2	700267	847852	4.81%	0.409%
33	10.413	1369	1373	1375	rVV3	702149	982243	5.57%	0.473%
34	10.466	1379	1382	1385	rBV	971484	887184	5.03%	0.428%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072518\
Data File : BF107665.D
Acq On : 25 Jul 2018 18:56
Operator : JU/SJ
Sample : J4144-01 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MCMASTER-SEDIMENT-7-23-18

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-BF072018.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.507	1386	1389	1391	rVV3	451568	476241	2.70%	0.230%
36	10.531	1391	1393	1395	rVV	733332	646285	3.67%	0.311%
37	10.566	1395	1399	1404	rVV	5185735	6672282	37.87%	3.216%
38	10.672	1414	1417	1420	rVV	804078	922668	5.24%	0.445%
39	10.719	1420	1425	1427	rVV	1548550	1806598	10.25%	0.871%
40	10.742	1427	1429	1433	rVV	468490	517579	2.94%	0.249%
41	10.795	1433	1438	1445	rVV2	2053223	3741296	21.23%	1.803%
42	10.848	1445	1447	1453	rVV	363352	465131	2.64%	0.224%
43	11.107	1486	1491	1494	rBV	1279859	1561175	8.86%	0.752%
44	11.189	1502	1505	1508	rBV	600092	550141	3.12%	0.265%
45	11.236	1508	1513	1515	rBV4	502113	637124	3.62%	0.307%
46	11.313	1523	1526	1529	rVB	483296	506724	2.88%	0.244%
47	11.348	1529	1532	1536	rVB3	616995	657893	3.73%	0.317%
48	11.401	1536	1541	1552	rVB	1519314	1973321	11.20%	0.951%
49	11.548	1556	1566	1569	rBV2	7734818	14113619	80.09%	6.803%
50	11.589	1569	1573	1577	rBV	3824849	3706522	21.03%	1.786%
51	11.742	1596	1599	1606	rVV3	527297	991068	5.62%	0.478%
52	11.795	1606	1608	1613	rVV3	440133	588683	3.34%	0.284%
53	12.007	1638	1644	1647	rBV	2029640	2256096	12.80%	1.087%
54	12.042	1647	1650	1654	rVV	2558366	2699975	15.32%	1.301%
55	12.089	1654	1658	1661	rVV	1568283	1522437	8.64%	0.734%
56	12.130	1661	1665	1667	rVV	3159586	4273552	24.25%	2.060%
57	12.148	1667	1668	1671	rVV	1702444	983991	5.58%	0.474%
58	12.189	1671	1675	1678	rVV4	319687	474561	2.69%	0.229%
59	12.301	1691	1694	1698	rVV	1298052	1290272	7.32%	0.622%
60	12.560	1734	1738	1741	rBV	911094	1247615	7.08%	0.601%
61	12.601	1741	1745	1746	rVV	663741	762934	4.33%	0.368%
62	12.642	1750	1752	1758	rVB4	453313	816711	4.63%	0.394%
63	12.736	1763	1768	1772	rBV	6181353	8908295	50.55%	4.294%
64	12.824	1780	1783	1786	rBV	1838626	1592733	9.04%	0.768%
65	12.877	1789	1792	1795	rBV2	385287	438072	2.49%	0.211%
66	12.972	1800	1808	1812	rBV2	5788128	9648145	54.75%	4.650%
67	13.007	1812	1814	1820	rVB3	806297	887937	5.04%	0.428%
68	13.077	1822	1826	1830	rBV2	731280	1026196	5.82%	0.495%
69	13.166	1837	1841	1846	rBV2	815661	1411500	8.01%	0.680%
70	13.260	1854	1857	1858	rBV2	618308	662017	3.76%	0.319%
71	13.289	1858	1862	1865	rVB	1965340	2265258	12.86%	1.092%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072518\
Data File : BF107665.D
Acq On : 25 Jul 2018 18:56
Operator : JU/SJ
Sample : J4144-01 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MCMASTER-SEDIMENT-7-23-18

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-BF072018.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.354	1870	1873	1875	rVV	2092800	2051000	11.64%	0.989%
73	13.389	1875	1879	1882	rVV2	1090583	1552900	8.81%	0.748%
74	13.454	1886	1890	1892	rBV2	446421	592577	3.36%	0.286%
75	13.483	1892	1895	1897	rVV	603910	609308	3.46%	0.294%
76	13.513	1897	1900	1908	rVB2	777557	1180753	6.70%	0.569%
77	13.766	1939	1943	1946	rBV	469871	603912	3.43%	0.291%
78	13.930	1969	1971	1974	rVV	856908	847925	4.81%	0.409%
79	13.971	1974	1978	1986	rVB3	580138	1059579	6.01%	0.511%
80	14.083	1991	1997	2001	rBV3	190575	452024	2.57%	0.218%
81	14.154	2002	2009	2013	rBV2	4036368	6714306	38.10%	3.236%
82	14.189	2013	2015	2022	rVB	2997275	3016282	17.12%	1.454%
83	14.266	2026	2028	2033	rBV	702423	764564	4.34%	0.369%
84	14.307	2033	2035	2041	rVB3	410448	476679	2.71%	0.230%
85	14.389	2045	2049	2052	rVB2	406453	452989	2.57%	0.218%
86	14.507	2066	2069	2071	rVV	426638	455948	2.59%	0.220%
87	14.548	2072	2076	2079	rVV	1020052	1428695	8.11%	0.689%
88	14.577	2079	2081	2085	rVV	483235	515802	2.93%	0.249%
89	14.648	2090	2093	2095	rVV	534270	608370	3.45%	0.293%
90	14.677	2095	2098	2099	rVV2	421174	437205	2.48%	0.211%
91	14.695	2099	2101	2106	rVB2	543319	613776	3.48%	0.296%
92	15.242	2189	2194	2197	rBV	1805946	3234701	18.36%	1.559%
93	15.354	2209	2213	2219	rVB	683034	794772	4.51%	0.383%
94	15.565	2244	2249	2256	rVB	1018304	1545906	8.77%	0.745%
95	15.636	2256	2261	2267	rBV	1885680	2775417	15.75%	1.338%
96	15.701	2268	2272	2274	rVV	619947	877456	4.98%	0.423%
97	15.736	2274	2278	2284	rVB2	537069	931152	5.28%	0.449%
98	17.277	2533	2540	2550	rBV2	667173	1508281	8.56%	0.727%
99	17.759	2616	2622	2636	rVB	409879	1030625	5.85%	0.497%
100	18.018	2661	2666	2678	rVB	211803	553163	3.14%	0.267%

Sum of corrected areas: 207476623

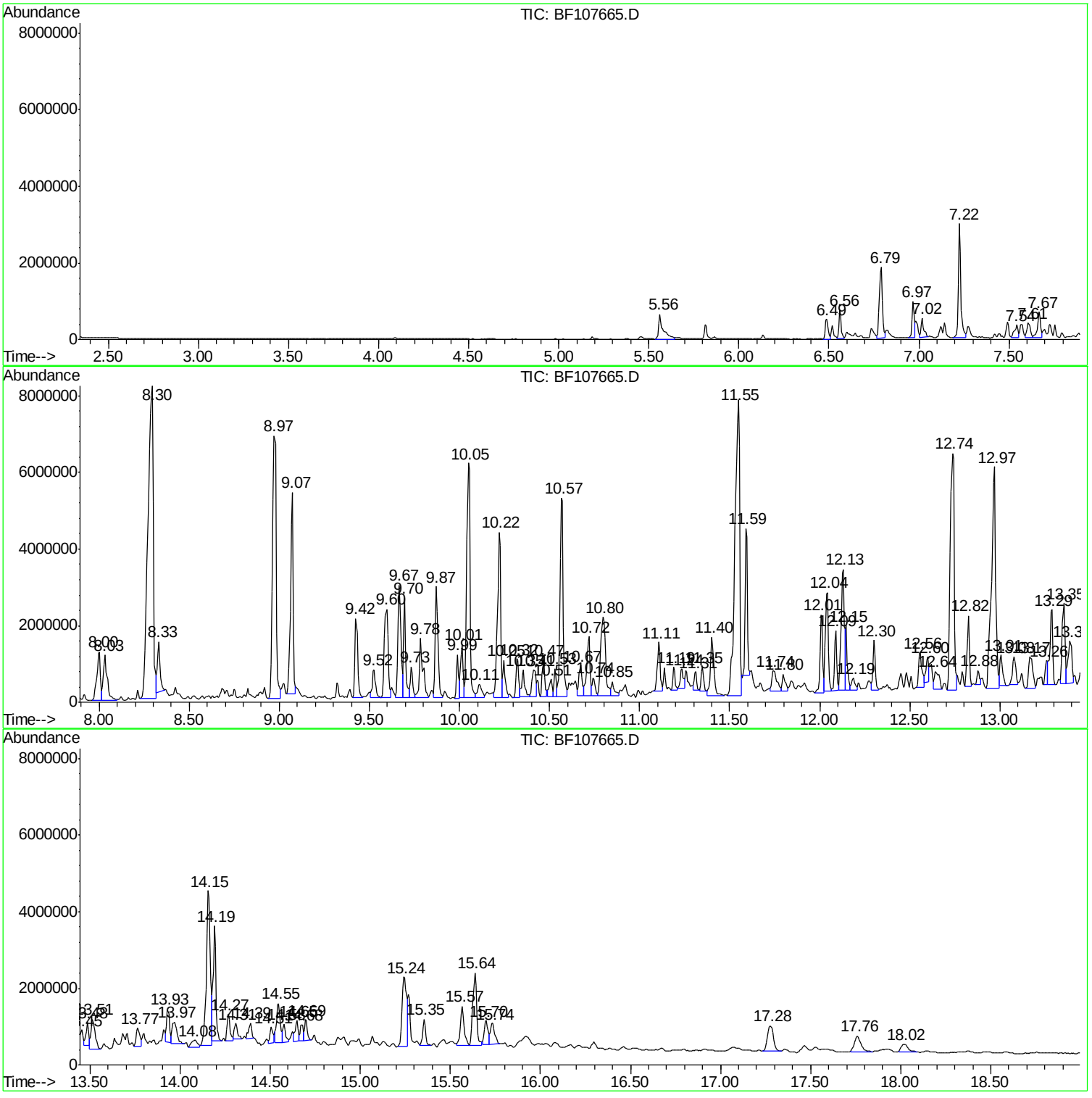
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072518\
Data File : BF107665.D
Acq On : 25 Jul 2018 18:56
Operator : JU/SJ
Sample : J4144-01 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MCMASTER-SEDIMENT-7-23-18

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072518\
Data File : BF107665.D
Acq On : 25 Jul 2018 18:56
Operator : JU/SJ
Sample : J4144-01 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MCMASTER-SEDIMENT-7-23-18

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

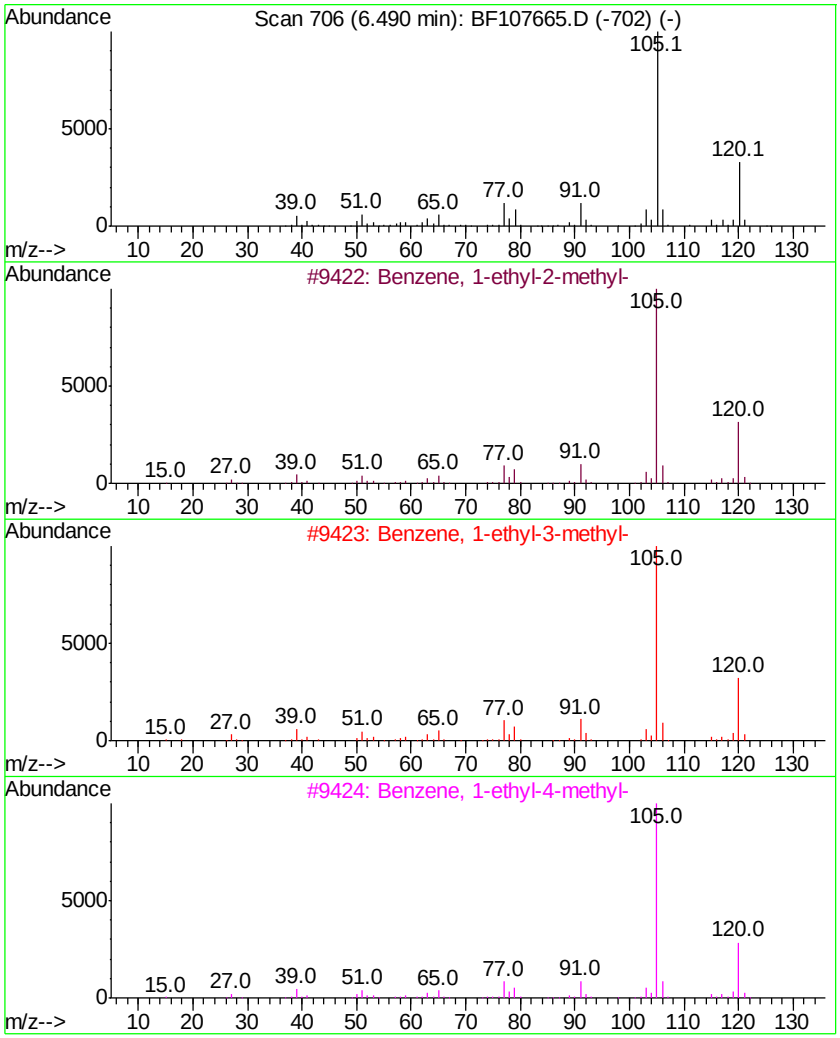
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

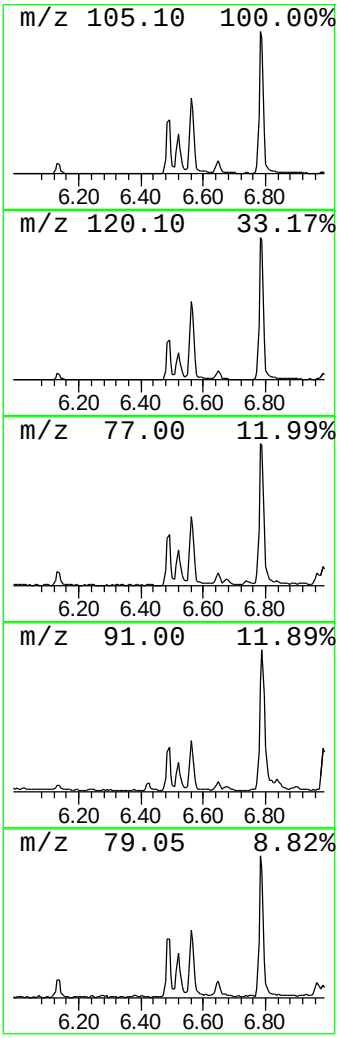
****

Peak Number 1 Benzene, 1-ethyl-2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.49	11.61 ng	538924	1,4-Dichlorobenzene-d4	6.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
2	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	95
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	94
4	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
5	Mesitylene	120	C9H12	000108-67-8	91





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072518\
Data File : BF107665.D
Acq On : 25 Jul 2018 18:56
Operator : JU/SJ
Sample : J4144-01 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MCMASTER-SEDIMENT-7-23-18

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

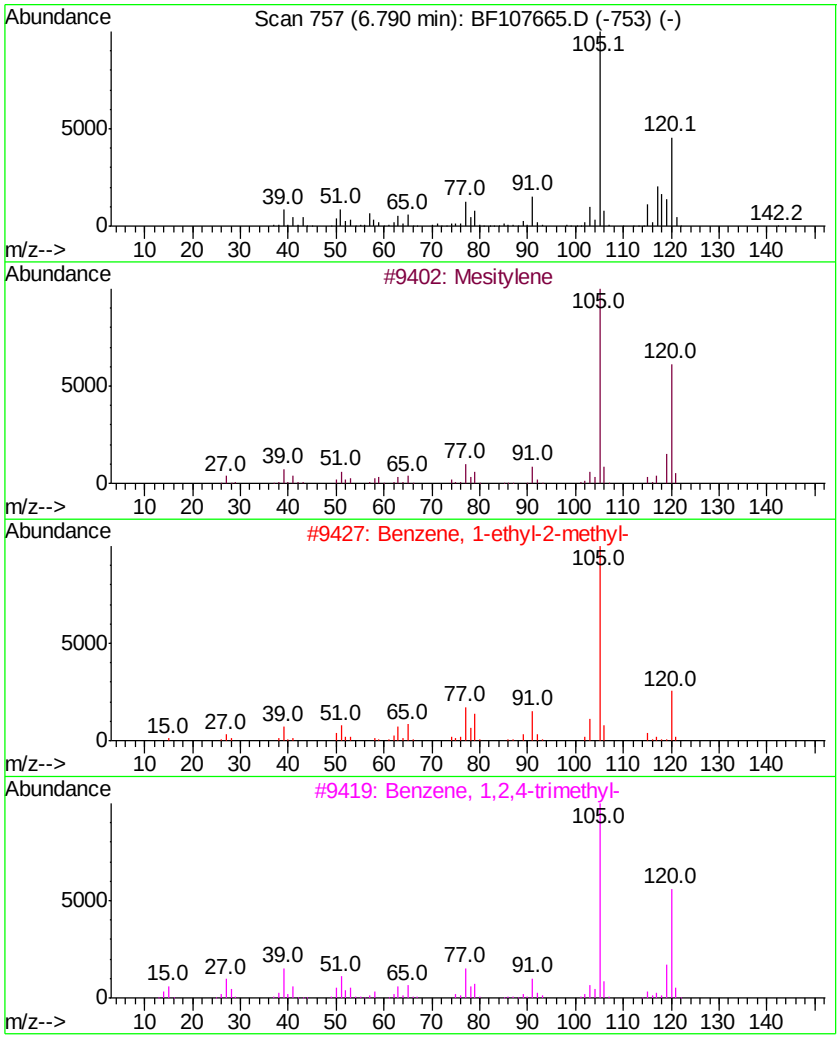
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

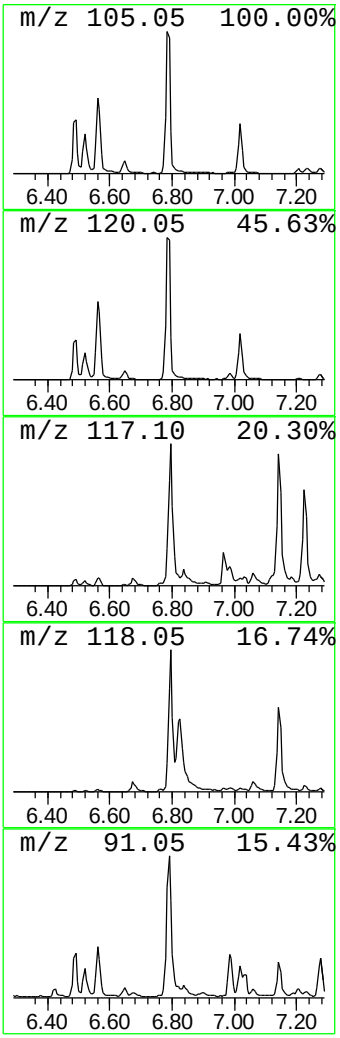
****

Peak Number 2 Mesitylene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.79	45.64 ng	2118060	1,4-Dichlorobenzene-d4	6.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Mesitylene	120	C9H12	000108-67-8	92
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	91
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	76
4	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	70
5	2,4-Nonadiyne	120	C9H12	063621-15-8	64





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072518\
Data File : BF107665.D
Acq On : 25 Jul 2018 18:56
Operator : JU/SJ
Sample : J4144-01 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MCMASTER-SEDIMENT-7-23-18

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

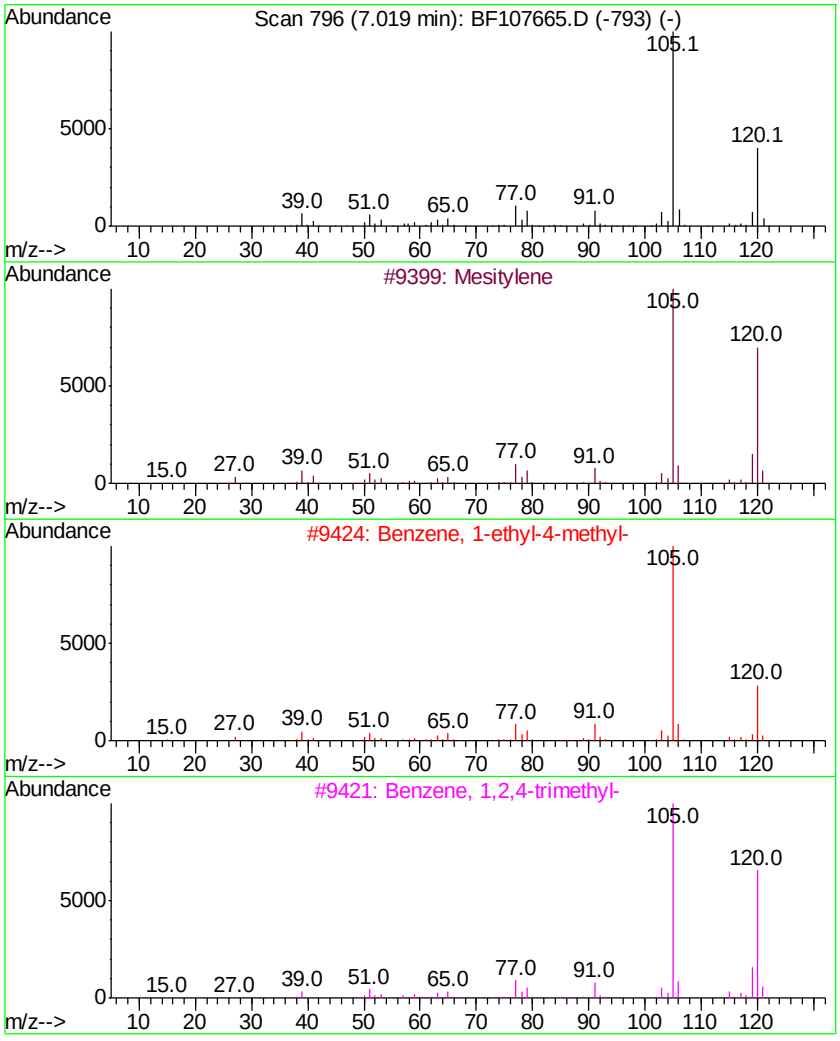
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

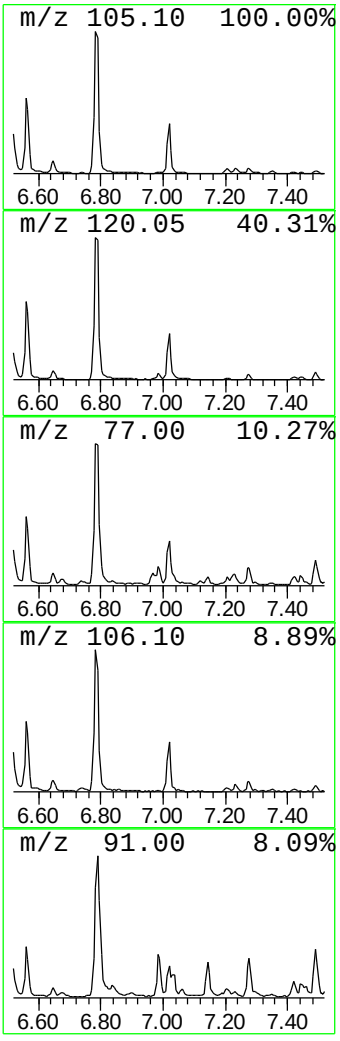
****

Peak Number 3 Benzene, 1-ethyl-4-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.02	11.37 ng	527493	1,4-Dichlorobenzene-d4	6.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Mesitylene	120	C9H12	000108-67-8	91
2	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
5	2,3-Heptadien-5-yne, 2,4-dimethyl-	120	C9H12	041898-89-9	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072518\
Data File : BF107665.D
Acq On : 25 Jul 2018 18:56
Operator : JU/SJ
Sample : J4144-01 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MCMASTER-SEDIMENT-7-23-18

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

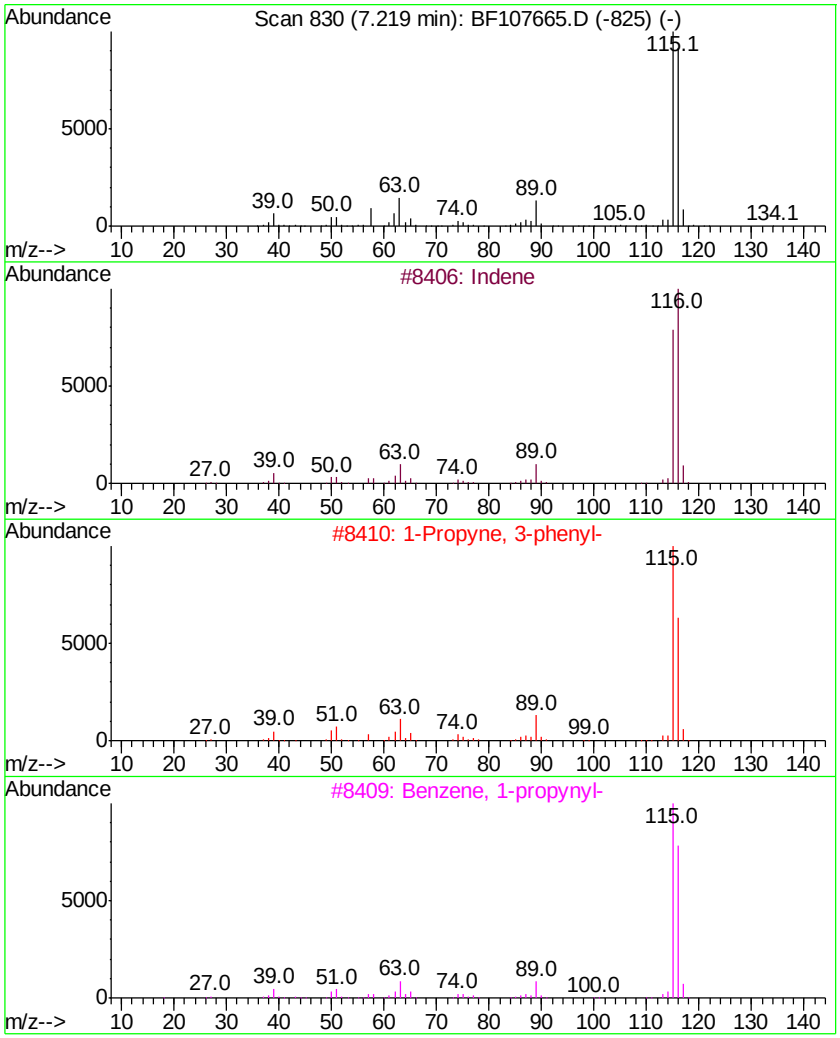
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

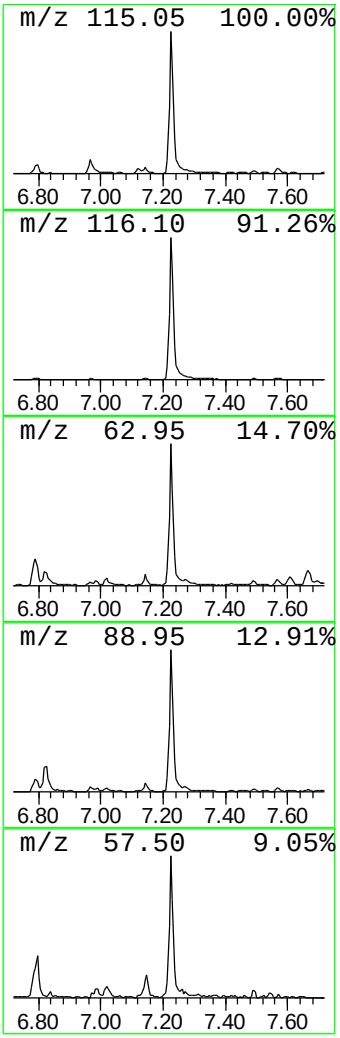
****

Peak Number 4 Indene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.22	64.16 ng	2977820	1,4-Dichlorobenzene-d4	6.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	97
2	1-Propyne, 3-phenyl-	116	C9H8	010147-11-2	95
3	Benzene, 1-propynyl-	116	C9H8	000673-32-5	95
4	Benzene, 1,2-propadienyl-	116	C9H8	002327-99-3	91
5	3-Methylphenylacetylene	116	C9H8	000766-82-5	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072518\
Data File : BF107665.D
Acq On : 25 Jul 2018 18:56
Operator : JU/SJ
Sample : J4144-01 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MCMASTER-SEDIMENT-7-23-18

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

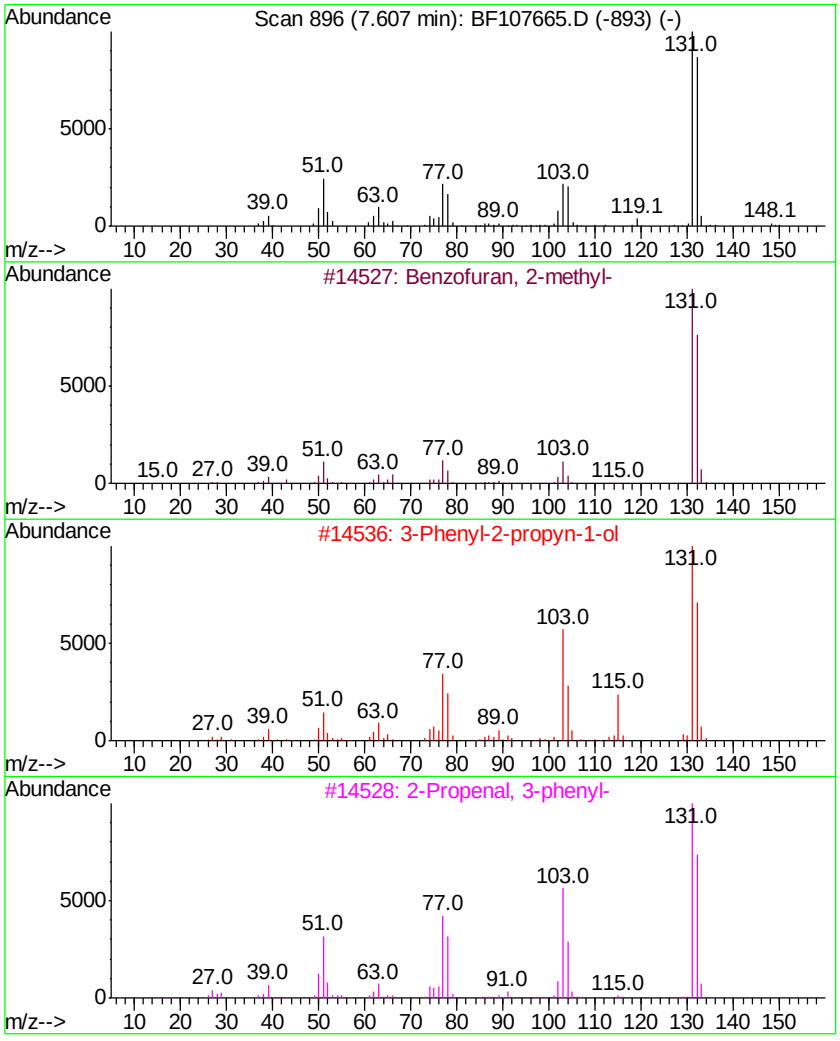
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

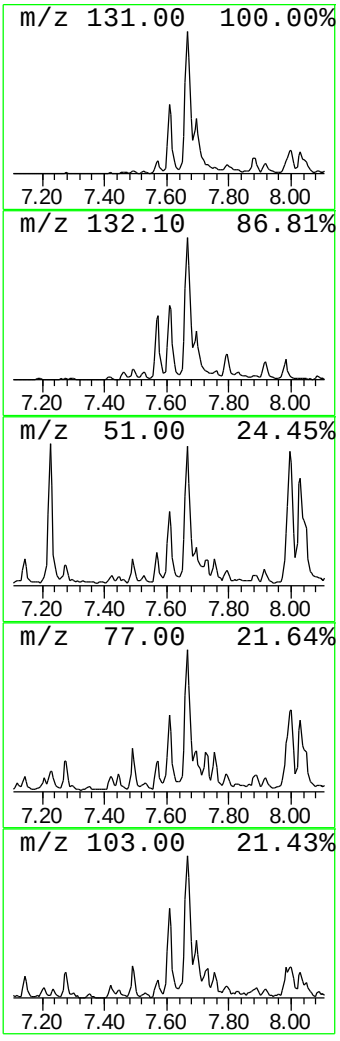
****

Peak Number 5 Benzofuran, 2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.61	10.05 ng	466585	1,4-Dichlorobenzene-d4	6.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	90
2	3-Phenyl-2-propyn-1-ol	132	C9H8O	001504-58-1	87
3	2-Propenal, 3-phenyl-	132	C9H8O	000104-55-2	83
4	Cinnamaldehyde, (E)-	132	C9H8O	014371-10-9	83
5	1H-Indenol	132	C9H8O	056631-57-3	80





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072518\
Data File : BF107665.D
Acq On : 25 Jul 2018 18:56
Operator : JU/SJ
Sample : J4144-01 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MCMASTER-SEDIMENT-7-23-18

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

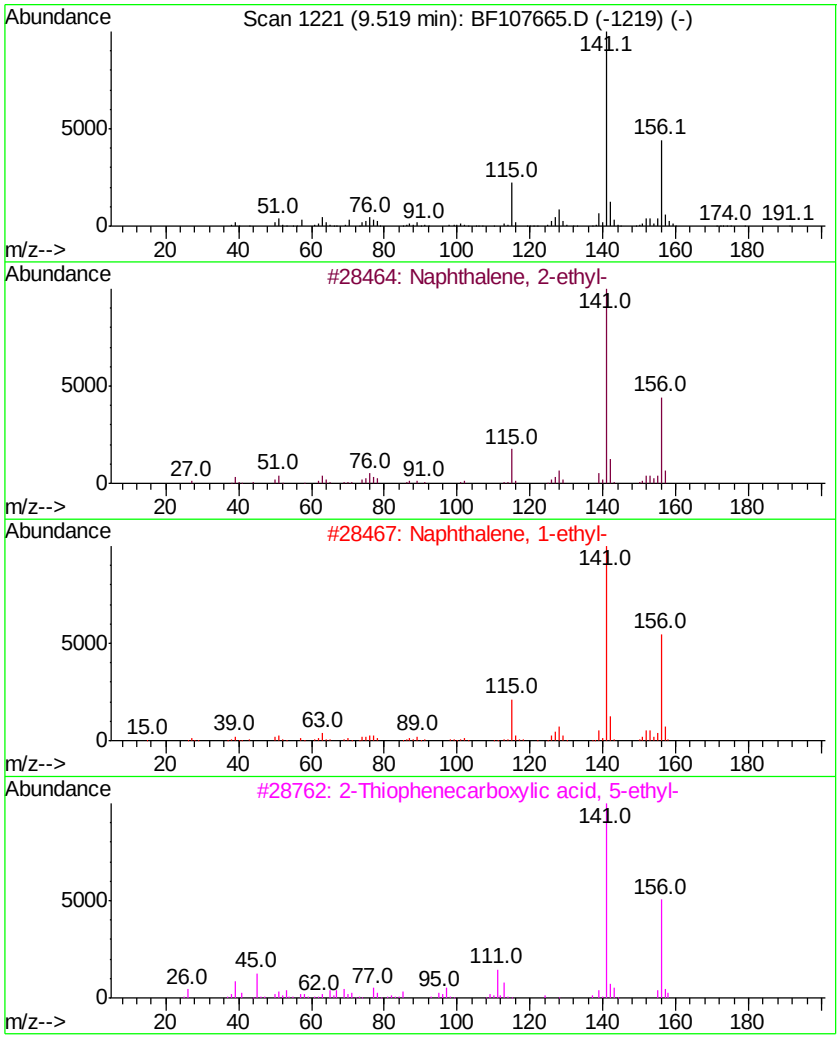
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

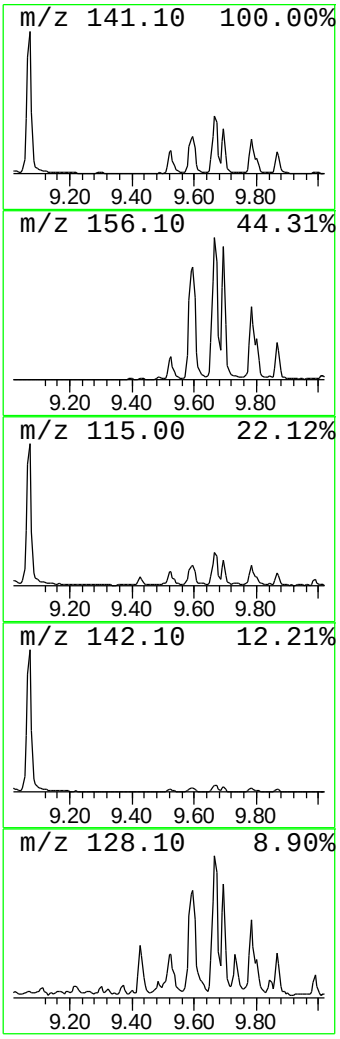
****

Peak Number 6 Naphthalene, 2-ethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.52	15.18 ng	956153	Acenaphthene-d10	10.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	97
2	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	96
3	2-Thiophenecarboxylic acid, 5-et...	156	C7H8O2S	023229-72-3	72
4	Naphthalene, 1-propyl-	170	C13H14	002765-18-6	53
5	1-Ethanone, 1-[4-(1-naphthalenyl...	276	C19H16O2	1000338-30-5	47





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072518\
Data File : BF107665.D
Acq On : 25 Jul 2018 18:56
Operator : JU/SJ
Sample : J4144-01 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MCMASTER-SEDIMENT-7-23-18

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

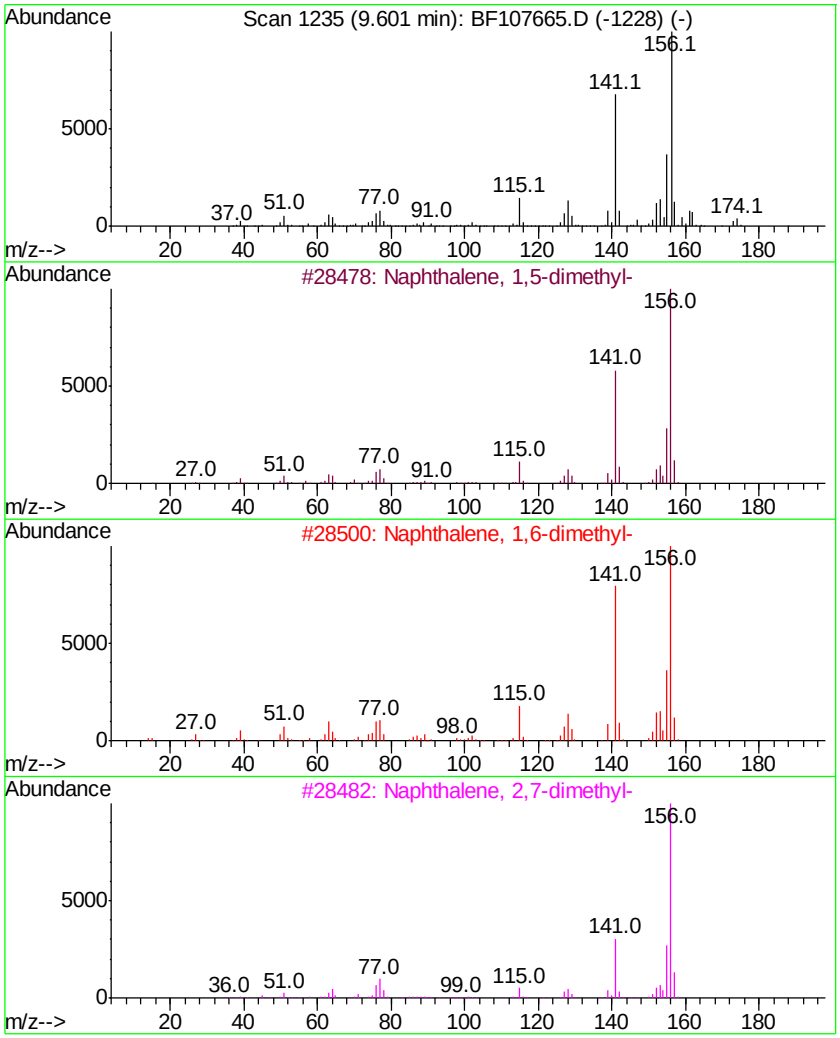
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

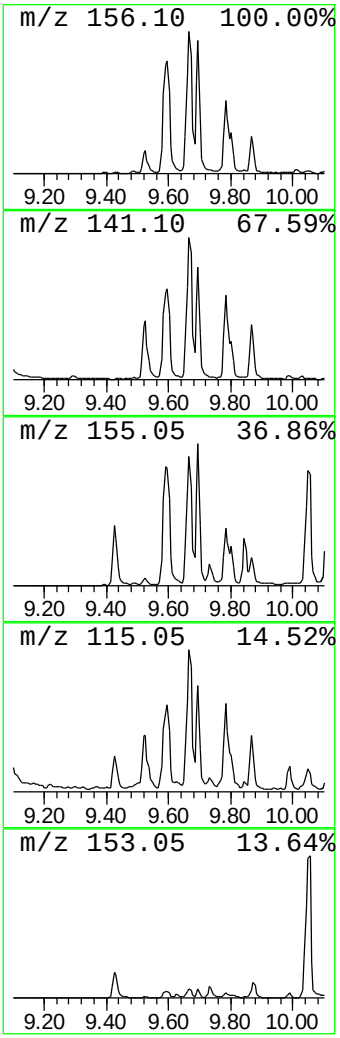
****

Peak Number 7 Naphthalene, 1,5-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.60	52.08 ng	3281020	Acenaphthene-d10	10.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072518\
Data File : BF107665.D
Acq On : 25 Jul 2018 18:56
Operator : JU/SJ
Sample : J4144-01 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MCMASTER-SEDIMENT-7-23-18

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

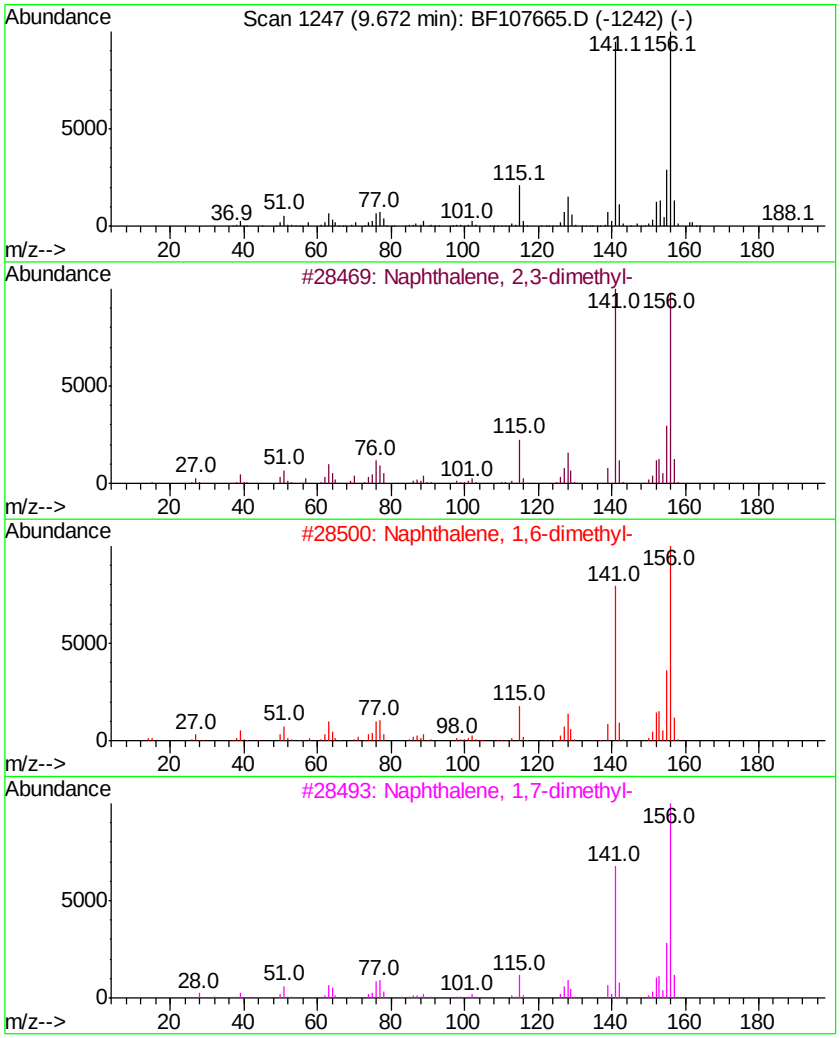
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

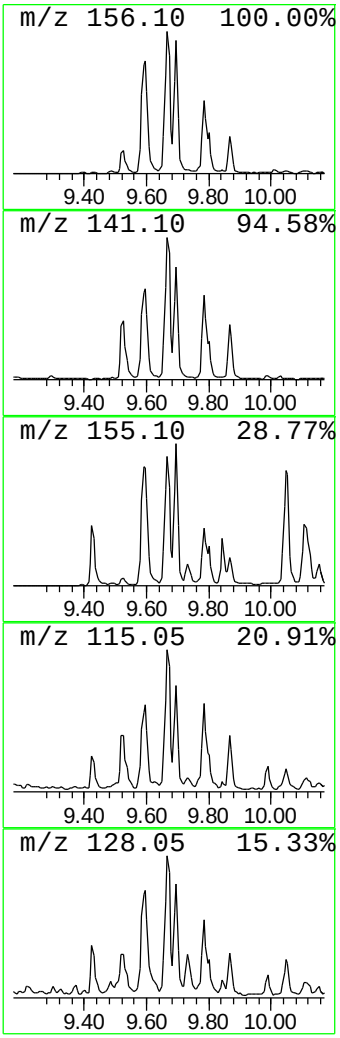
****

Peak Number 8 Naphthalene, 2,3-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.67	54.83 ng	3454010	Acenaphthene-d10	10.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072518\
Data File : BF107665.D
Acq On : 25 Jul 2018 18:56
Operator : JU/SJ
Sample : J4144-01 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MCMASTER-SEDIMENT-7-23-18

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

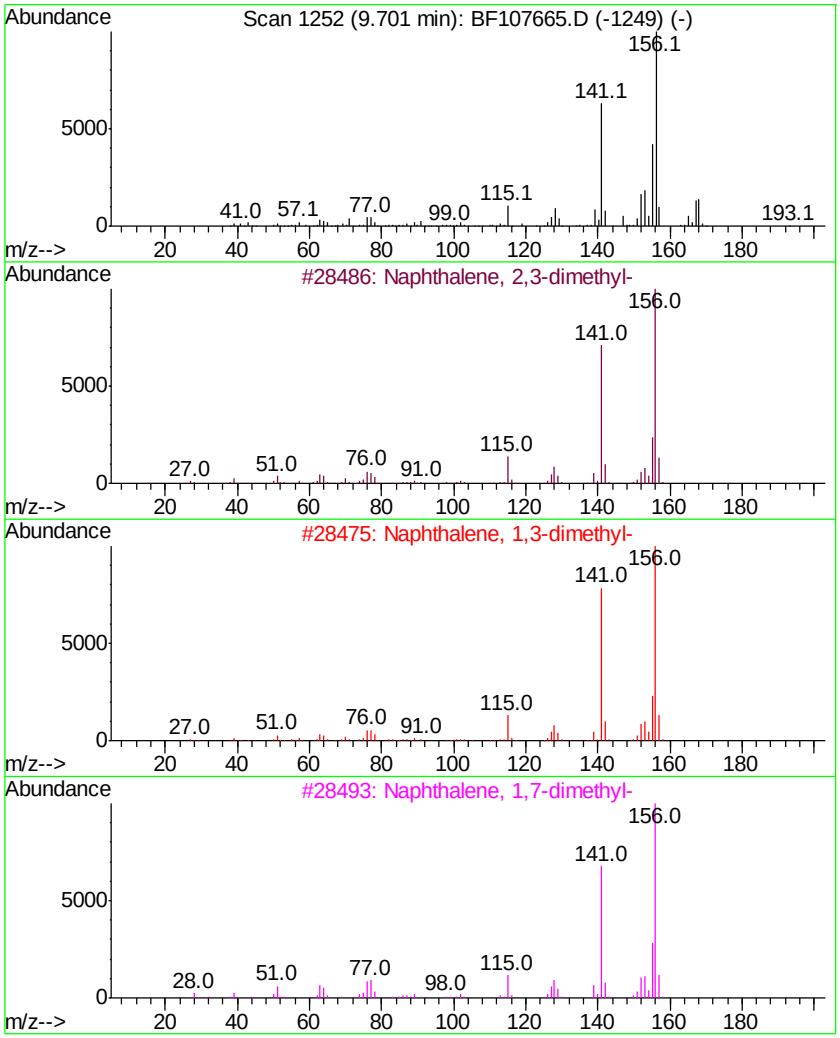
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

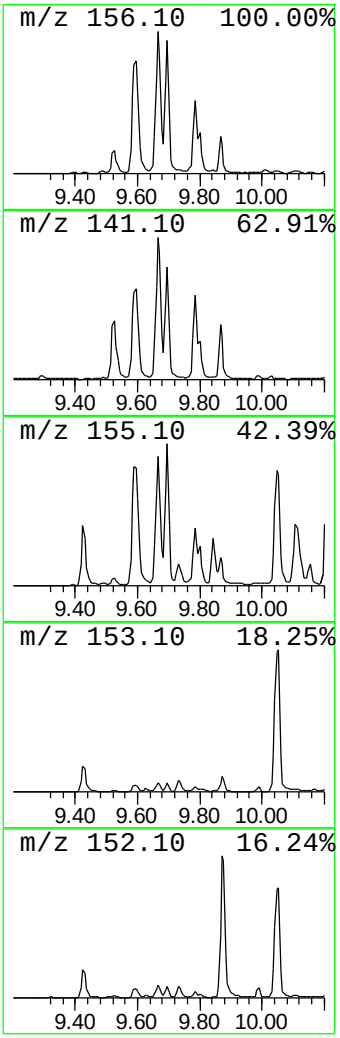
****

Peak Number 9 Naphthalene, 1,3-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.70	36.22 ng	2281660	Acenaphthene-d10	10.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072518\
Data File : BF107665.D
Acq On : 25 Jul 2018 18:56
Operator : JU/SJ
Sample : J4144-01 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MCMASTER-SEDIMENT-7-23-18

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

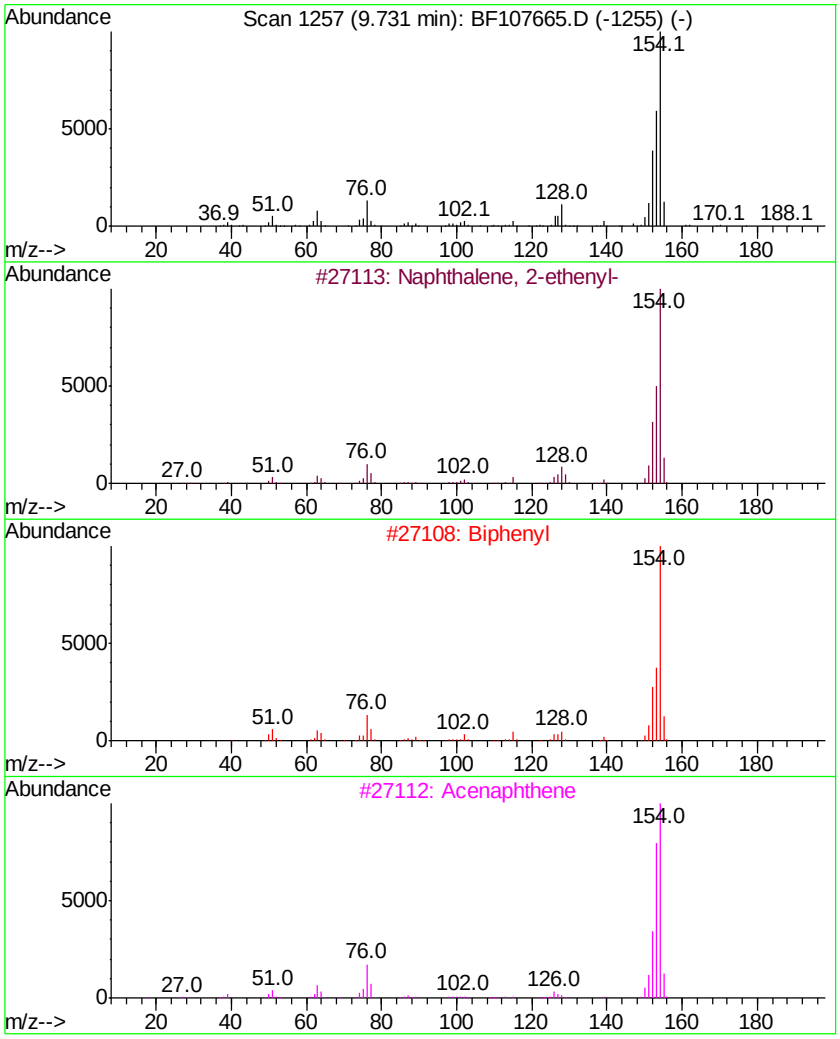
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

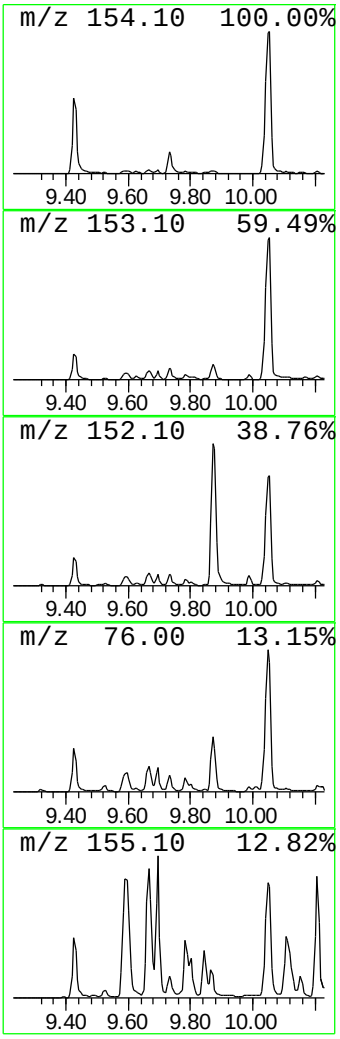
****

Peak Number 10 Naphthalene, 2-ethenyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.73	12.83 ng	807966	Acenaphthene-d10	10.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-ethenyl-	154	C12H10	000827-54-3	95
2	Biphenyl	154	C12H10	000092-52-4	81
3	Acenaphthene	154	C12H10	000083-32-9	76
4	1-(2,2-Difluoroethenyl)-4-methyl...	154	C9H8F2	1000305-64-2	50
5	6-Cyanoquinoline	154	C10H6N2	023395-72-4	38





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072518\
Data File : BF107665.D
Acq On : 25 Jul 2018 18:56
Operator : JU/SJ
Sample : J4144-01 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MCMASTER-SEDIMENT-7-23-18

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

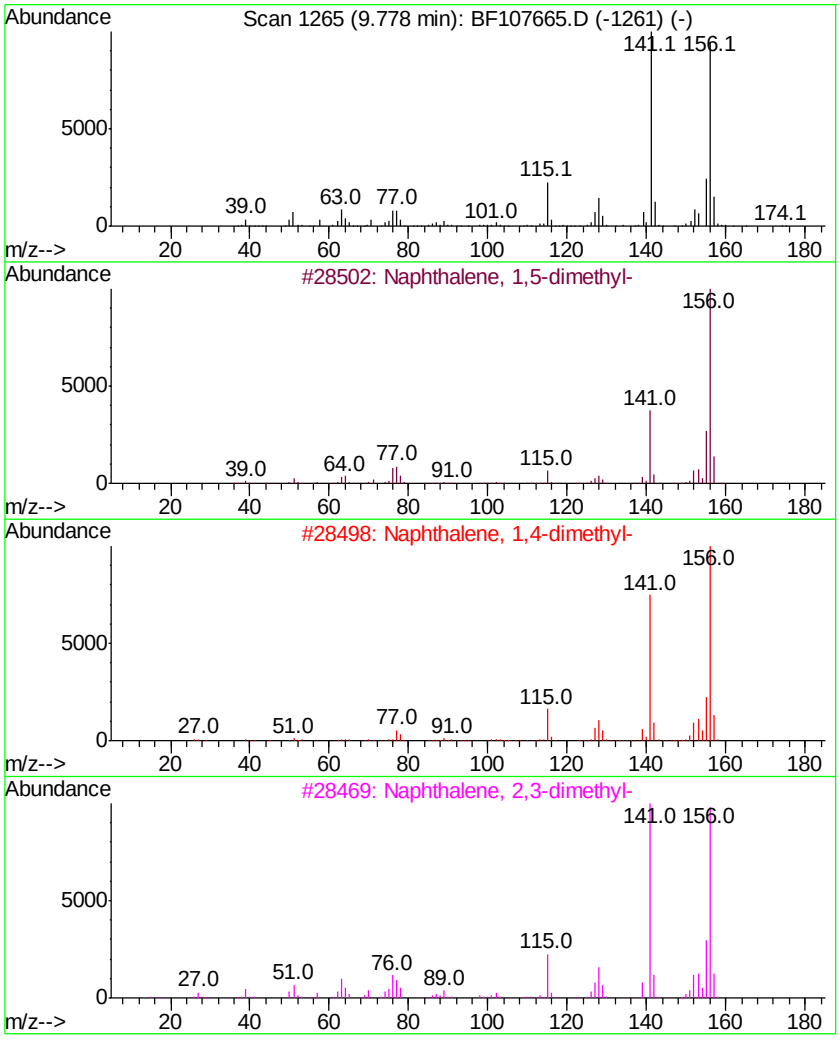
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

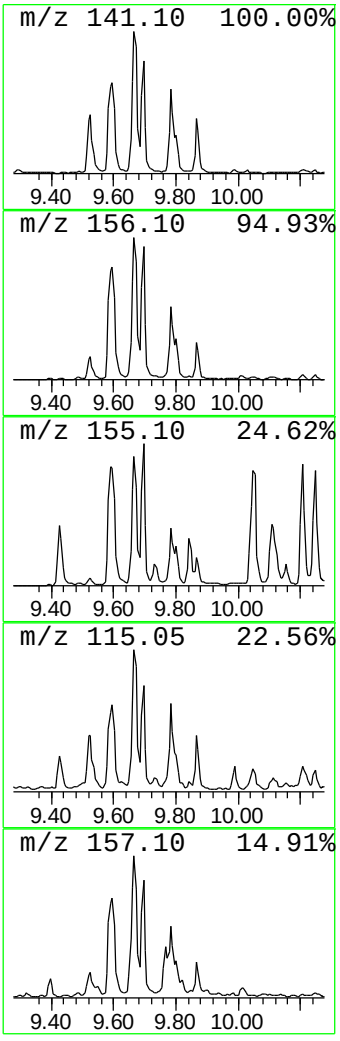
****

Peak Number 11 Naphthalene, 1,4-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.78	33.07 ng	2083140	Acenaphthene-d10	10.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	95
2	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	95
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	94
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	94
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	94





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072518\
Data File : BF107665.D
Acq On : 25 Jul 2018 18:56
Operator : JU/SJ
Sample : J4144-01 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MCMASTER-SEDIMENT-7-23-18

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

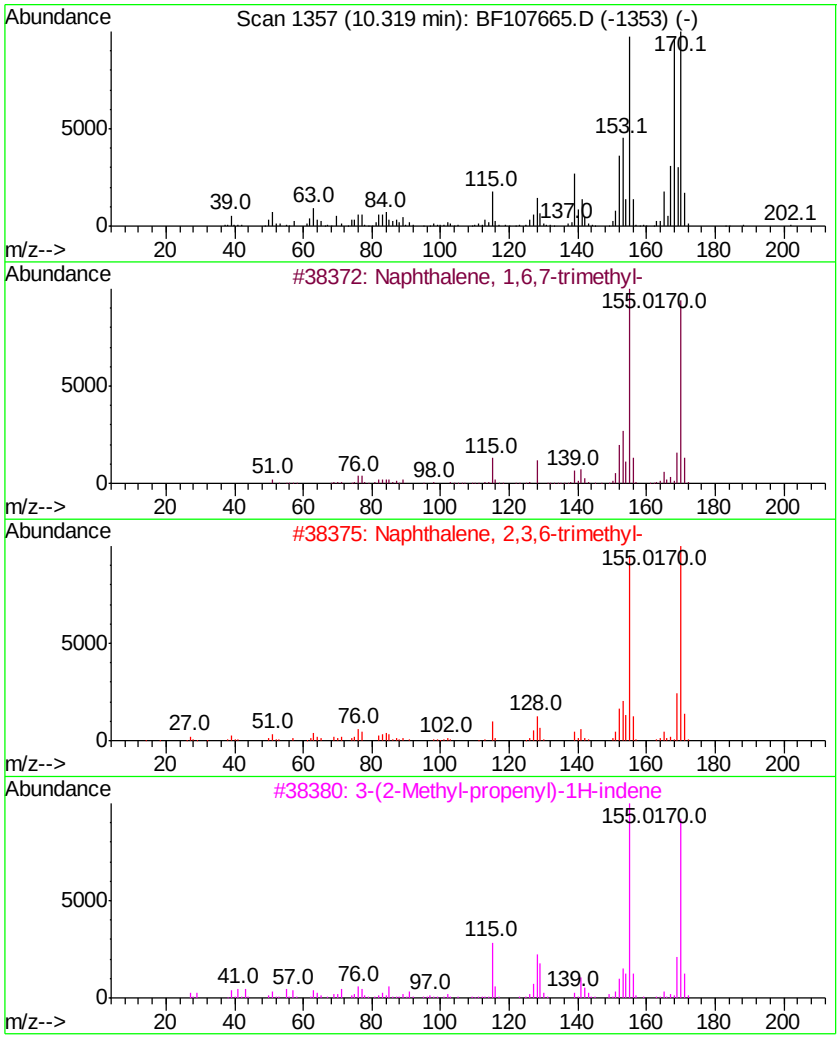
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

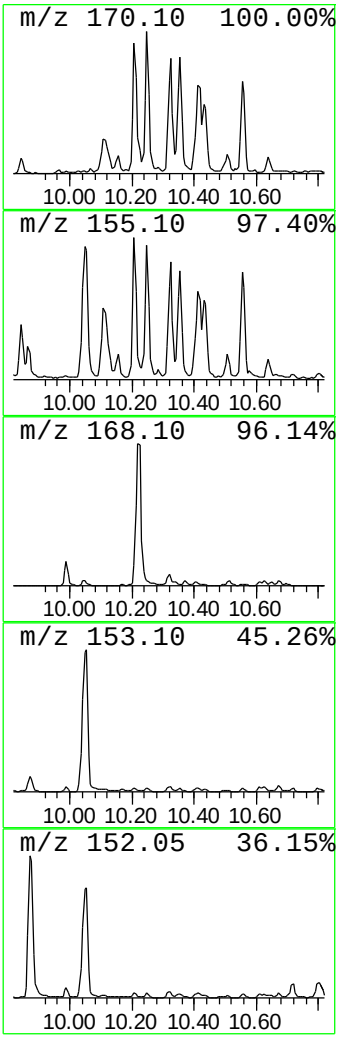
****

Peak Number 12 Naphthalene, 1,6,7-trimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.32	19.06 ng	1200370	Acenaphthene-d10	10.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	90
2	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	90
3	3-(2-Methyl-propenyl)-1H-indene	170	C13H14	1000187-78-5	70
4	1-(2,2-Dimethylcyclopropyl)-2-ph...	170	C13H14	1000294-91-1	60
5	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	60





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072518\
Data File : BF107665.D
Acq On : 25 Jul 2018 18:56
Operator : JU/SJ
Sample : J4144-01 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MCMASTER-SEDIMENT-7-23-18

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

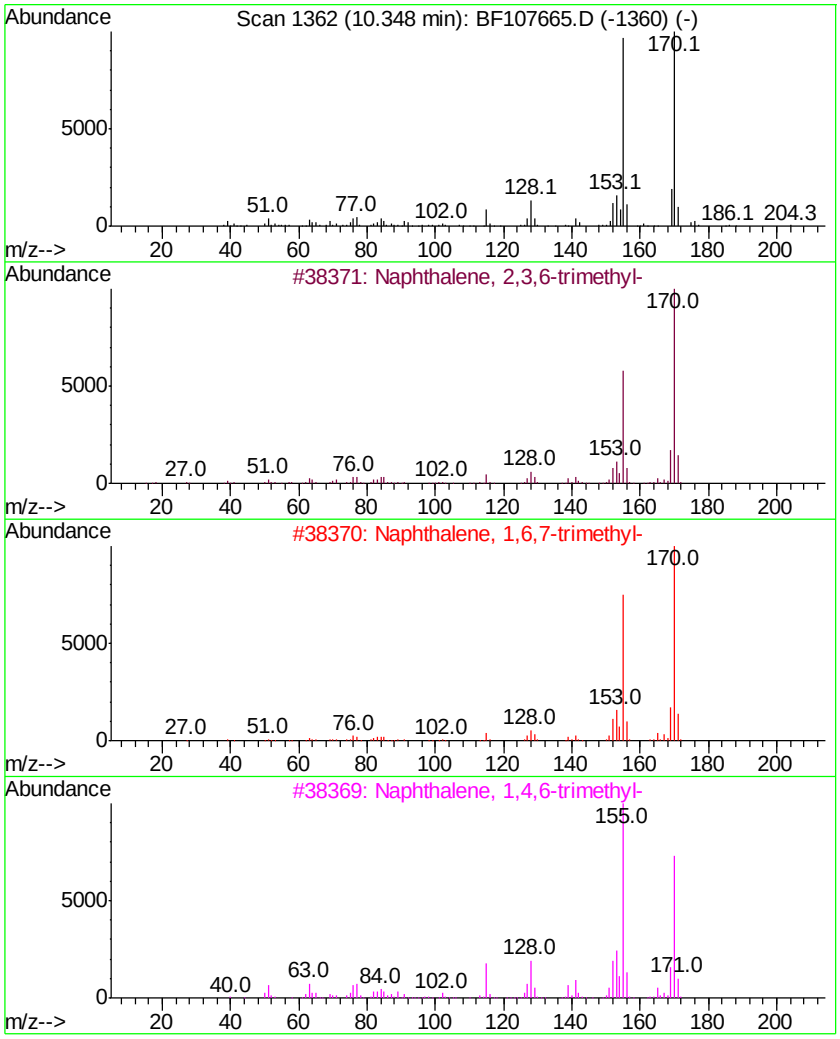
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

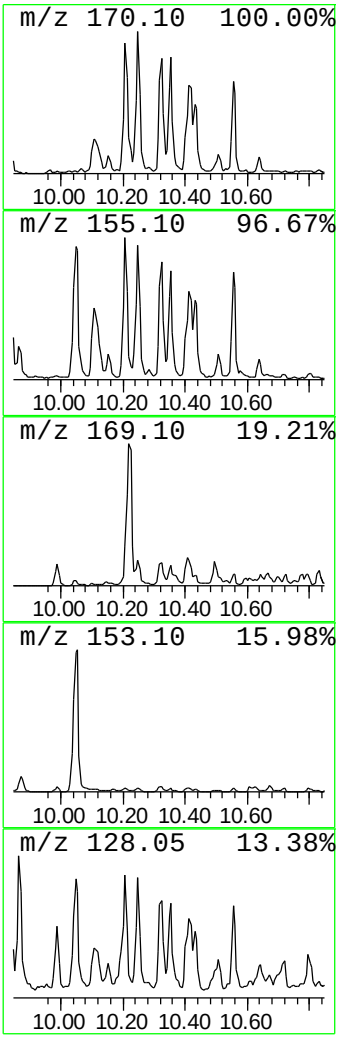
****

Peak Number 13 Naphthalene, 2,3,6-trimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.35	13.46 ng	847852	Acenaphthene-d10	10.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	96
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	95
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	94
4	3-(2-Methyl-propenyl)-1H-indene	170	C13H14	1000187-78-5	91
5	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	86





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072518\
Data File : BF107665.D
Acq On : 25 Jul 2018 18:56
Operator : JU/SJ
Sample : J4144-01 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MCMASTER-SEDIMENT-7-23-18

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

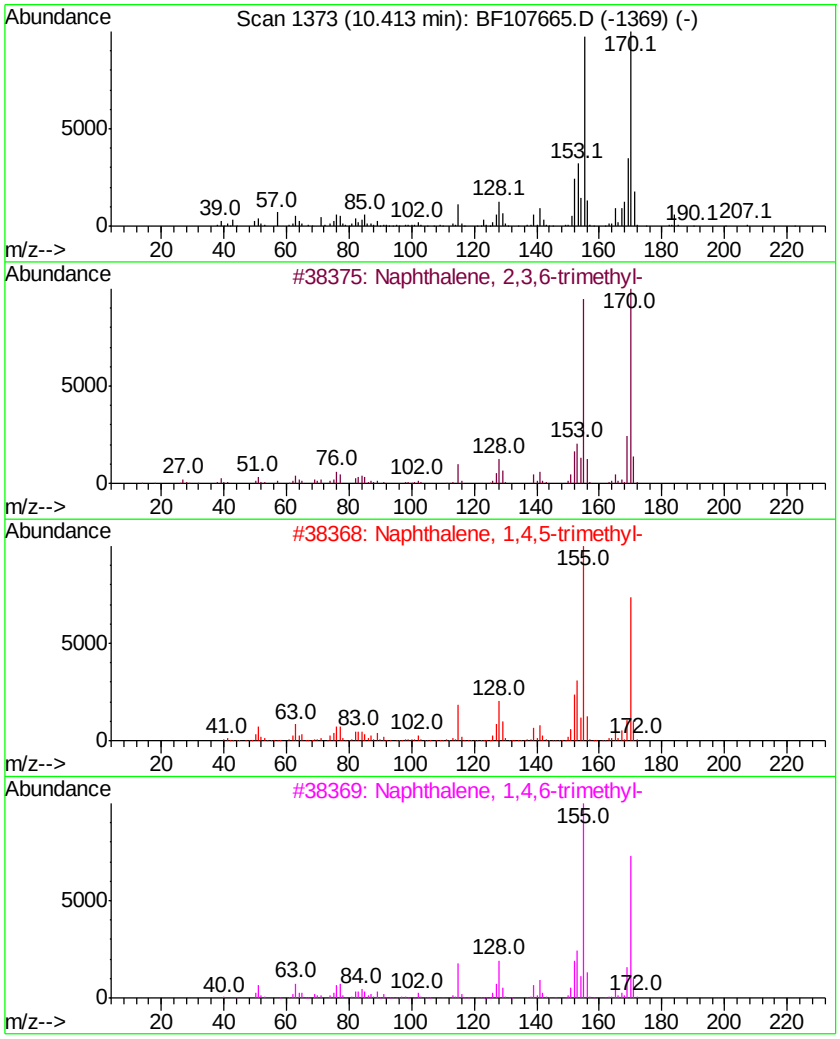
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

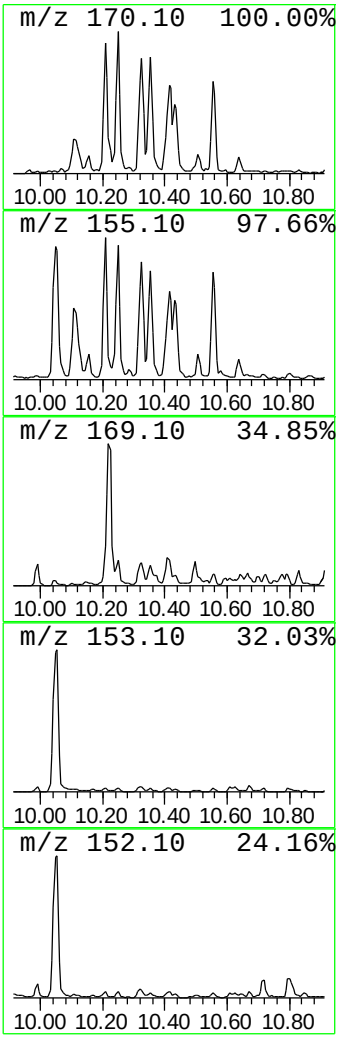
****

Peak Number 14 Naphthalene, 1,4,5-trimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.41	15.59 ng	982243	Acenaphthene-d10	10.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97
2	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	96
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	95
4	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	94
5	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072518\
Data File : BF107665.D
Acq On : 25 Jul 2018 18:56
Operator : JU/SJ
Sample : J4144-01 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MCMASTER-SEDIMENT-7-23-18

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

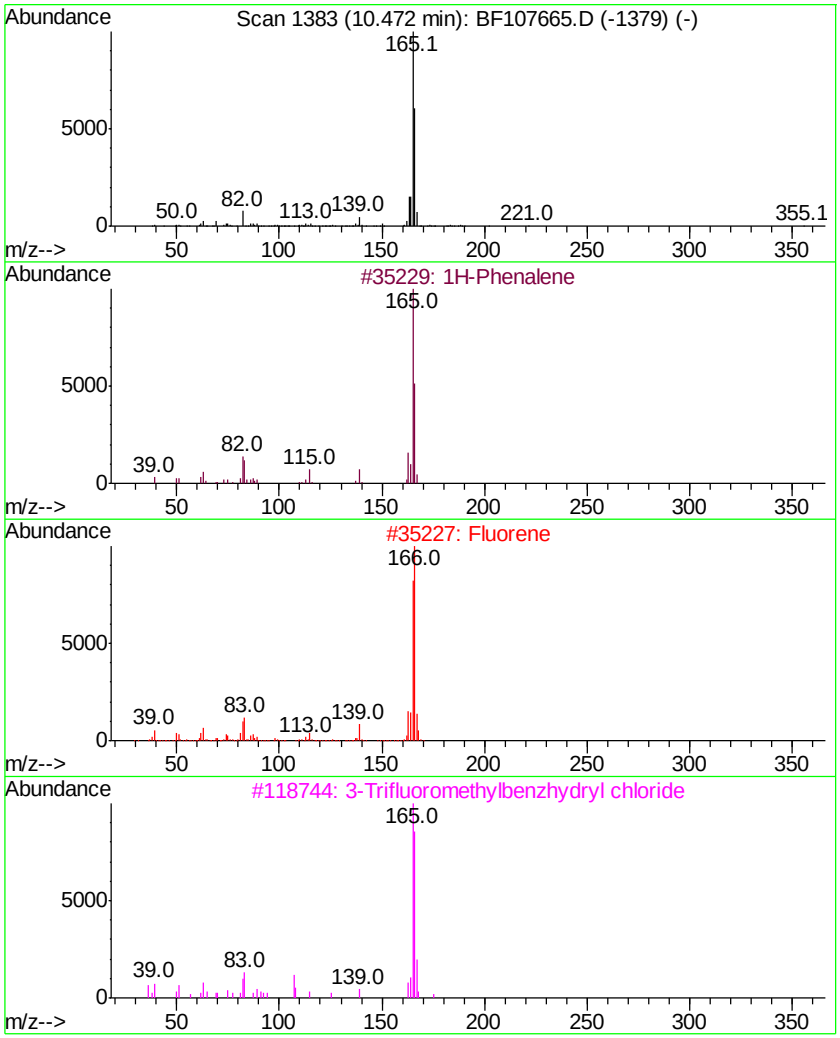
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

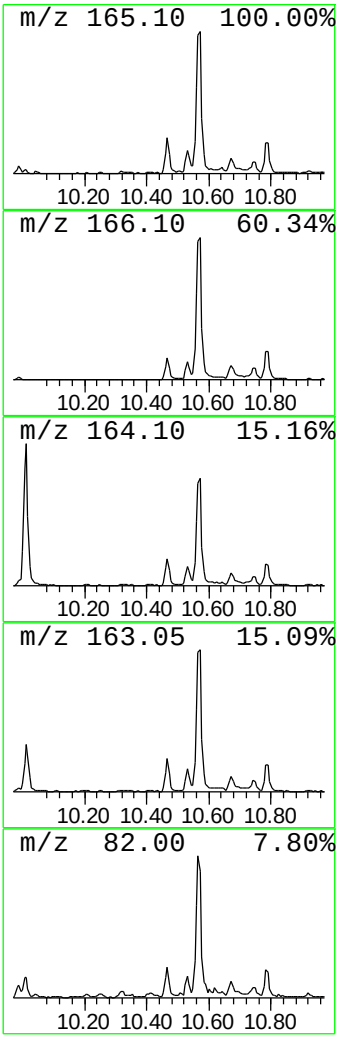
****

Peak Number 15 1H-Phenalene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.47	14.08 ng	887184	Acenaphthene-d10	10.01

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	76
3	3-Trifluoromethylbenzhydryl chlo...	270	C14H10ClF3	067240-79-3	64
4	9H-Fluorene, 9-bromo-	244	C13H9Br	001940-57-4	22
5	2-Methoxy-5-methylbenzoic acid	166	C9H10O3	025045-36-7	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072518\
Data File : BF107665.D
Acq On : 25 Jul 2018 18:56
Operator : JU/SJ
Sample : J4144-01 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MCMASTER-SEDIMENT-7-23-18

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

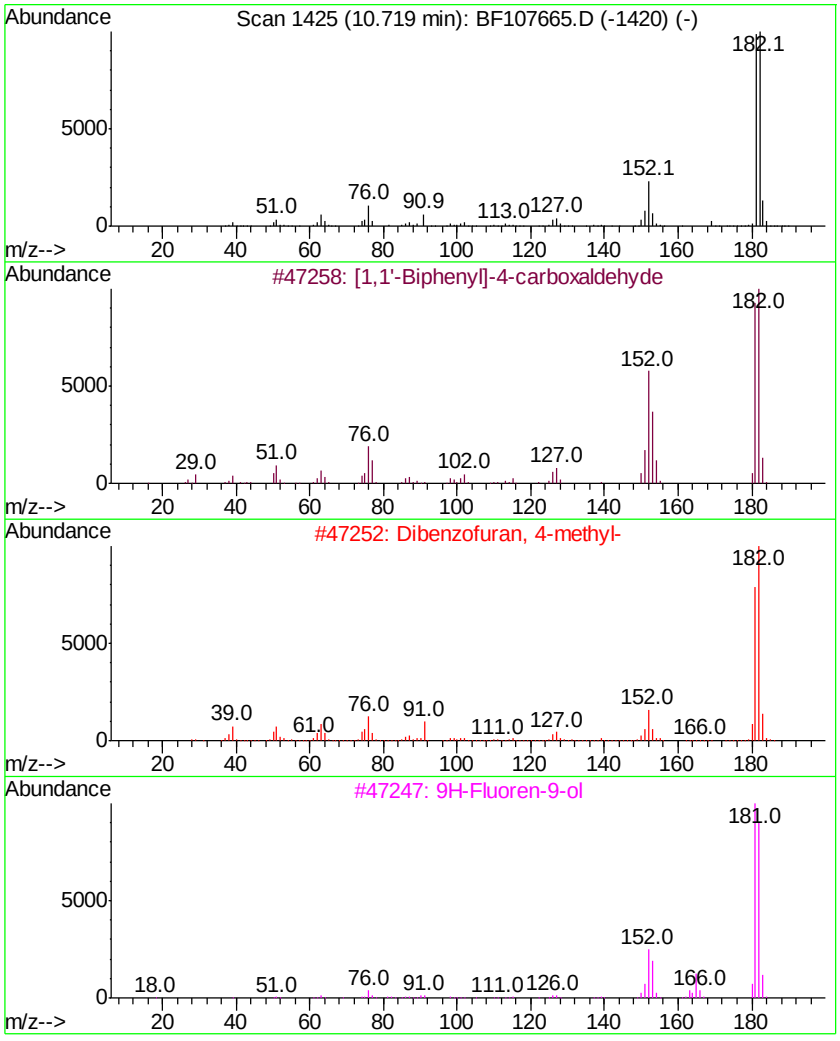
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

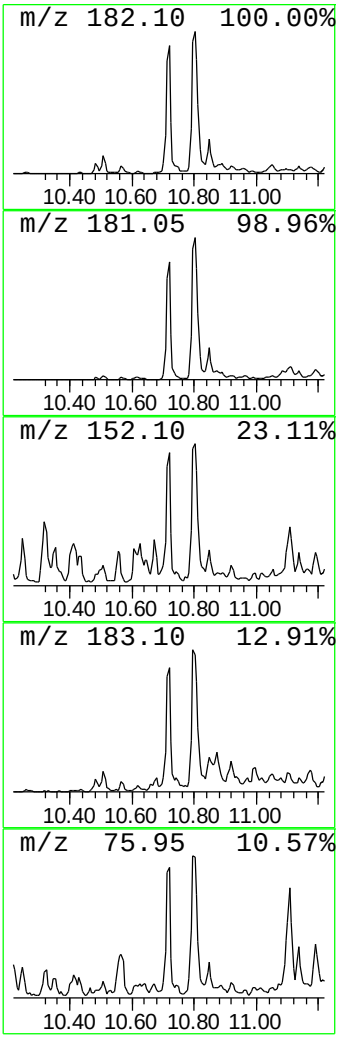
****

Peak Number 17 [1,1'-Biphenyl]-4-carboxald... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.72	28.68 ng	1806600	Acenaphthene-d10	10.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	91
2	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	90
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86
4	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	78
5	Norharmane, N-methyl-	182	C12H10N2	1000374-78-6	64





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072518\
Data File : BF107665.D
Acq On : 25 Jul 2018 18:56
Operator : JU/SJ
Sample : J4144-01 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MCMASTER-SEDIMENT-7-23-18

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

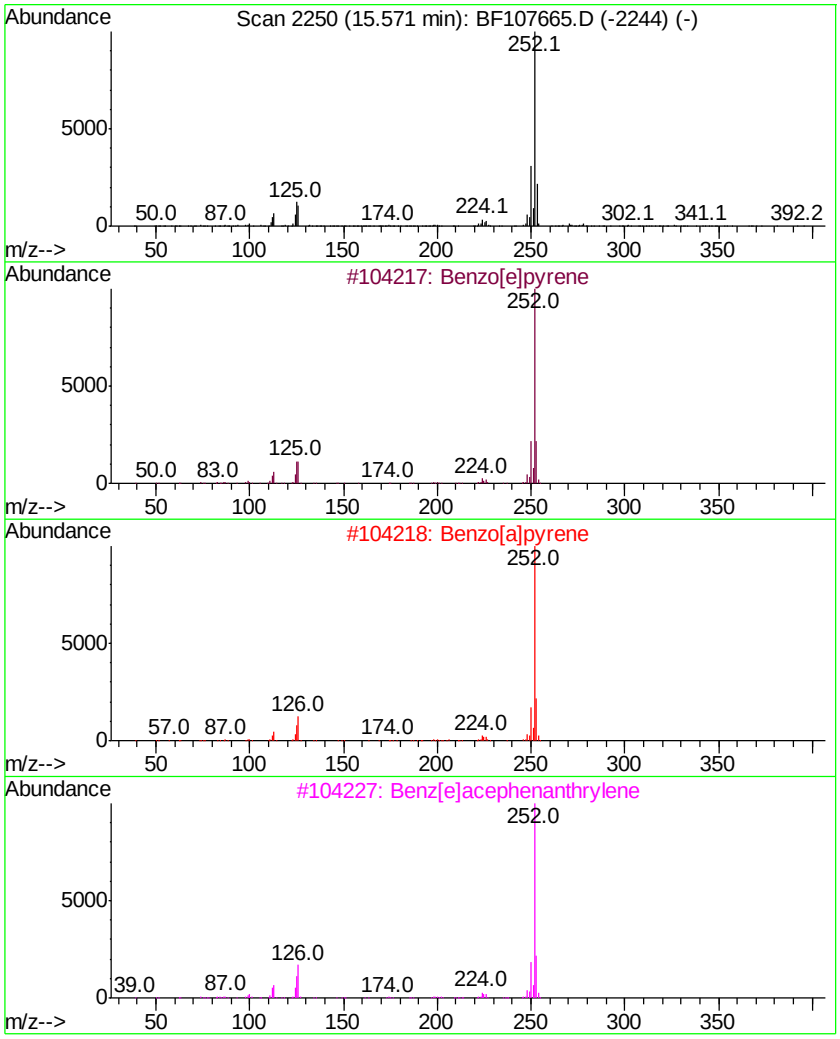
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

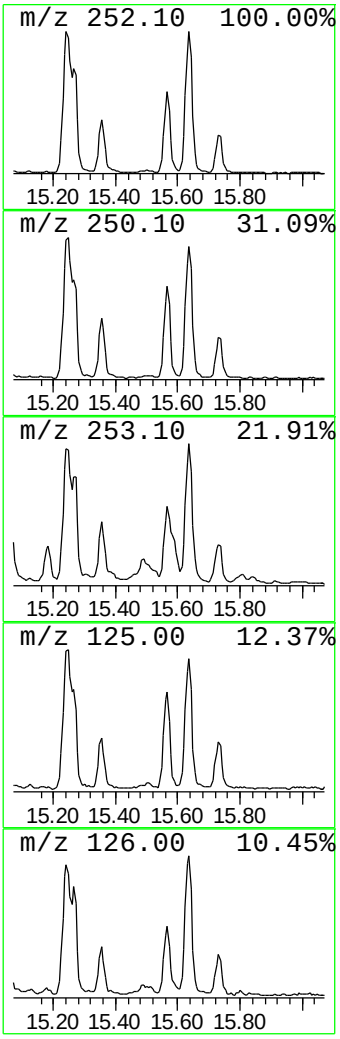
****

Peak Number 19 Benzo[e]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.57	35.24 ng	1545910	Perylene-d12	15.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[a]pyrene	252	C20H12	000050-32-8	93
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	89
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	89





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072518\
Data File : BF107665.D
Acq On : 25 Jul 2018 18:56
Operator : JU/SJ
Sample : J4144-01 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MCMASTER-SEDIMENT-7-23-18

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.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
Benzene, 1-ethyl-...	6.49	11.6	ng	538924	1	6.97	928204	20.0
Mesitylene	6.79	45.6	ng	2118060	1	6.97	928204	20.0
Benzene, 1-ethyl-...	7.02	11.4	ng	527493	1	6.97	928204	20.0
Indene	7.22	64.2	ng	2977820	1	6.97	928204	20.0
Benzofuran, 2-met...	7.61	10.1	ng	466585	1	6.97	928204	20.0
Naphthalene, 2-et...	9.52	15.2	ng	956153	3	10.01	1259910	20.0
Naphthalene, 1,5-...	9.60	52.1	ng	3281020	3	10.01	1259910	20.0
Naphthalene, 2,3-...	9.67	54.8	ng	3454010	3	10.01	1259910	20.0
Naphthalene, 1,3-...	9.70	36.2	ng	2281660	3	10.01	1259910	20.0
Naphthalene, 2-et...	9.73	12.8	ng	807966	3	10.01	1259910	20.0
Naphthalene, 1,4-...	9.78	33.1	ng	2083140	3	10.01	1259910	20.0
Naphthalene, 1,6,...	10.32	19.1	ng	1200370	3	10.01	1259910	20.0
Naphthalene, 2,3,...	10.35	13.5	ng	847852	3	10.01	1259910	20.0
Naphthalene, 1,4,...	10.41	15.6	ng	982243	3	10.01	1259910	20.0
1H-Phenalene	10.47	14.1	ng	887184	3	10.01	1259910	20.0
[1,1'-Biphenyl]-4...	10.72	28.7	ng	1806600	3	10.01	1259910	20.0
Benzo[e]pyrene	15.57	35.2	ng	1545910	6	15.70	877456	20.0