LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080318\
Data File : BF107937.D
Acq On : 3 Aug 2018 15:02
Operator : JU/SJ
Sample : J4262-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GW-04

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	5.184	480	484	497	rBV	167444	254626	4.09%	0.347%
2	5.442	523	528	533	rBV	39163	63118	1.01%	0.086%
3	5.595	551	554	585	rVV	576398	1646968	26.43%	2.246%
4	5.801	586	589	596	rVB	49320	72169	1.16%	0.098%
5	6.113	638	642	651	rBV	280247	307275	4.93%	0.419%
6	6.607	722	726	727	rBV	367695	450217	7.23%	0.614%
7	6.625	727	729	743	rVV	368340	753523	12.09%	1.028%
8	6.731	743	747	770	rVV	2195270	3721564	59.73%	5.076%
9	6.954	782	785	790	rBV	407056	641379	10.29%	0.875%
10	7.001	790	793	801	rVB	206722	309335	4.96%	0.422%
11	7.060	801	803	807	rVB	65043	69270	1.11%	0.094%
12	7.107	807	811	812	rBV	2701524	2768552	44.43%	3.776%
13	7.131	812	815	823	rVV	4780376	5747340	92.24%	7.839%
14	7.213	826	829	835	rVB	234792	334446	5.37%	0.456%
15	7.401	854	861	869	rVV2	100419	218940	3.51%	0.299%
16	7.472	869	873	876	rVV	187764	208318	3.34%	0.284%
17	7.519	876	881	890	rVV2	1656001	2794471	44.85%	3.812%
18	7.589	891	893	898	rVV	244868	402995	6.47%	0.550%
19	7.648	900	903	907	rVV3	160361	319223	5.12%	0.435%
20	7.707	911	913	916	rVV	175263	189468	3.04%	0.258%
21	7.731	916	917	924	rVB2	96472	115209	1.85%	0.157%
22	7.866	938	940	943	rBV2	80249	81776	1.31%	0.112%
23	7.901	943	946	952	rVV3	244737	378627	6.08%	0.516%
24	7.960	952	956	962	rVV2	495370	706754	11.34%	0.964%
25	8.007	962	964	965	rVV	263518	222041	3.56%	0.303%
26	8.025	965	967	976	rVV2	416827	676701	10.86%	0.923%
27	8.089	976	978	986	rVB3	86064	118039	1.89%	0.161%
28	8.166	987	991	994	rVB3	69123	82373	1.32%	0.112%
29	8.213	994	999	1000	rBV	183320	229170	3.68%	0.313%
30	8.260	1000	1007	1012	rVV2	4184559	6230934	100.00%	8.499%
31	8.307	1013	1015	1024	rVB2	395974	617893	9.92%	0.843%
32	8.401	1028	1031	1033	rBV3	61007	65996	1.06%	0.090%
33	8.501	1039	1048	1053	rBV6	265714	587026	9.42%	0.801%
34	8.607	1062	1066	1072	rVB3	192770	339191	5.44%	0.463%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080318\
Data File : BF107937.D
Acq On : 3 Aug 2018 15:02
Operator : JU/SJ
Sample : J4262-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GW-04

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	8.672	1072	1077	1079	rBV4	84834	149578	2.40%	0.204%
36	8.730	1085	1087	1092	rVB3	158688	231036	3.71%	0.315%
37	8.783	1092	1096	1100	rVB2	153354	158335	2.54%	0.216%
38	8.830	1100	1104	1110	rBV2	495858	792284	12.72%	1.081%
39	8.901	1112	1116	1120	rVB3	155707	273761	4.39%	0.373%
40	8.948	1120	1124	1131	rBV	752416	990823	15.90%	1.351%
41	9.001	1131	1133	1135	rBV2	58998	62493	1.00%	0.085%
42	9.042	1136	1140	1143	rBV	1619439	1787144	28.68%	2.438%
43	9.148	1154	1158	1166	rVB3	180332	295302	4.74%	0.403%
44	9.260	1171	1177	1179	rBV5	49442	92007	1.48%	0.125%
45	9.307	1180	1185	1196	rBV	3966152	4796370	76.98%	6.542%
46	9.413	1200	1203	1210	rVB2	126979	184949	2.97%	0.252%
47	9.483	1210	1215	1217	rBV3	64936	101388	1.63%	0.138%
48	9.513	1217	1220	1226	rVB	215161	275359	4.42%	0.376%
49	9.577	1226	1231	1234	rBV	267096	391811	6.29%	0.534%
50	9.642	1239	1242	1245	rBV	473196	538611	8.64%	0.735%
51	9.677	1245	1248	1250	rVB4	87317	79360	1.27%	0.108%
52	9.701	1250	1252	1258	rVB	145431	155708	2.50%	0.212%
53	9.760	1259	1262	1264	rBV	335536	349775	5.61%	0.477%
54	9.848	1273	1277	1291	rVB2	435172	660286	10.60%	0.901%
55	9.966	1291	1297	1298	rBV3	136263	146410	2.35%	0.200%
56	9.989	1298	1301	1304	rVV3	1061422	1160700	18.63%	1.583%
57	10.024	1304	1307	1313	rVB	2141758	2103459	33.76%	2.869%
58	10.201	1332	1337	1340	rBV	555678	741690	11.90%	1.012%
59	10.301	1351	1354	1358	rBV	159790	172972	2.78%	0.236%
60	10.395	1365	1370	1376	rVB3	112714	196393	3.15%	0.268%
61	10.448	1376	1379	1383	rBV2	71821	101568	1.63%	0.139%
62	10.489	1383	1386	1388	rBV3	62405	80333	1.29%	0.110%
63	10.513	1388	1390	1392	rBV	84128	74773	1.20%	0.102%
64	10.542	1392	1395	1401	rVB	1000710	1033612	16.59%	1.410%
65	10.654	1411	1414	1416	rBV	78528	64717	1.04%	0.088%
66	10.677	1416	1418	1420	rBV	82027	83025	1.33%	0.113%
67	10.789	1430	1437	1448	rBV	2105921	3104238	49.82%	4.234%
68	10.877	1449	1452	1456	rVV5	113138	178938	2.87%	0.244%
69	10.919	1456	1459	1466	rVB	330639	456420	7.33%	0.623%
70	11.042	1475	1480	1482	rBV5	40350	79004	1.27%	0.108%
71	11.089	1484	1488	1491	rBV3	156974	232214	3.73%	0.317%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080318\
Data File : BF107937.D
Acq On : 3 Aug 2018 15:02
Operator : JU/SJ
Sample : J4262-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GW-04

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	11.171	1499	1502	1508	rVB2	146221	163970	2.63%	0.224%
73	11.289	1518	1522	1526	rBV3	100303	169561	2.72%	0.231%
74	11.389	1535	1539	1546	rBV	241663	392988	6.31%	0.536%
75	11.489	1552	1556	1558	rBV	982325	1030597	16.54%	1.406%
76	11.513	1558	1560	1567	rVV	966766	1168579	18.75%	1.594%
77	11.566	1567	1569	1574	rVB	142453	167427	2.69%	0.228%
78	11.730	1594	1597	1608	rBV	902729	1515158	24.32%	2.067%
79	12.007	1637	1644	1655	rBV2	1570715	2590552	41.58%	3.533%
80	12.101	1657	1660	1670	rVB3	320634	635366	10.20%	0.867%
81	12.707	1758	1763	1770	rBV	222875	400060	6.42%	0.546%
82	12.795	1771	1778	1787	rBV	2206122	3089989	49.59%	4.215%
83	12.942	1800	1803	1809	rVB	168710	203427	3.26%	0.277%
84	13.071	1821	1825	1836	rBV	3163565	3956410	63.50%	5.397%
85	13.271	1856	1859	1868	rBV	116739	210570	3.38%	0.287%
86	13.948	1971	1974	1980	rVB4	54274	71838	1.15%	0.098%
87	14.142	2003	2007	2018	rBV	633995	960641	15.42%	1.310%
88	14.565	2077	2079	2084	rVB2	71334	77067	1.24%	0.105%
89	14.883	2129	2133	2137	rVB	176475	189166	3.04%	0.258%
90	15.236	2189	2193	2200	rVB	261632	330167	5.30%	0.450%
91	15.630	2255	2260	2263	rBV	270555	389449	6.25%	0.531%
92	15.671	2263	2267	2284	rVB	476917	956857	15.36%	1.305%
93	16.089	2333	2338	2346	rVB	208876	333819	5.36%	0.455%
94	16.618	2423	2428	2436	rBV	107932	208651	3.35%	0.285%

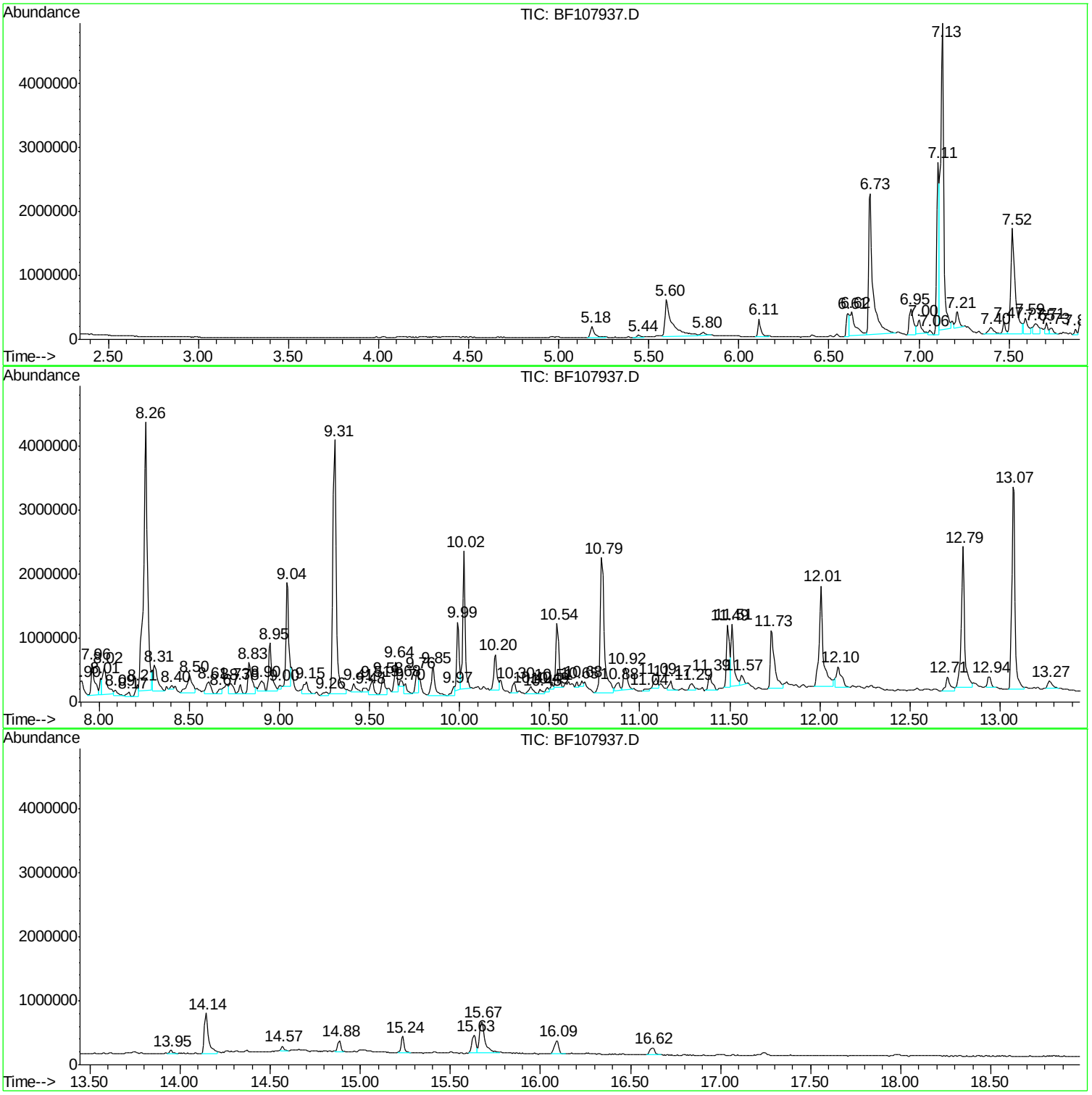
Sum of corrected areas: 73314082

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080318\
Data File : BF107937.D
Acq On : 3 Aug 2018 15:02
Operator : JU/SJ
Sample : J4262-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
GW-04

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\BF080318\
Data File : BF107937.D
Acq On : 3 Aug 2018 15:02
Operator : JU/SJ
Sample : J4262-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GW-04

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

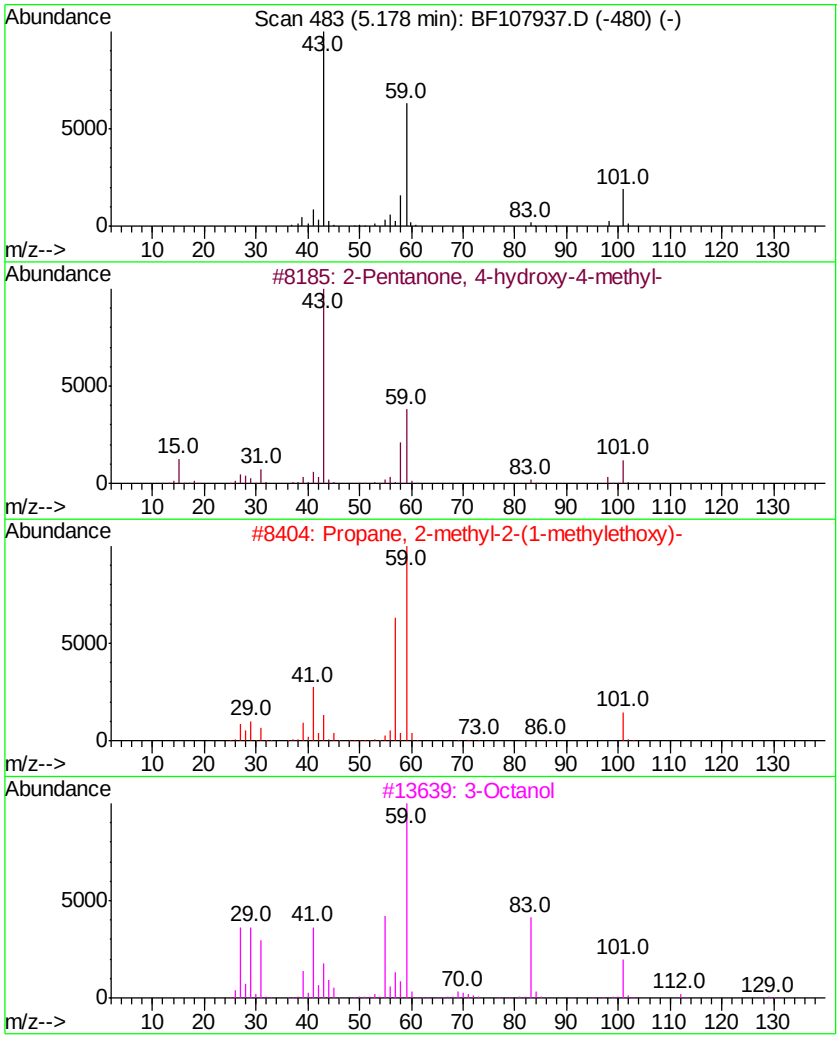
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

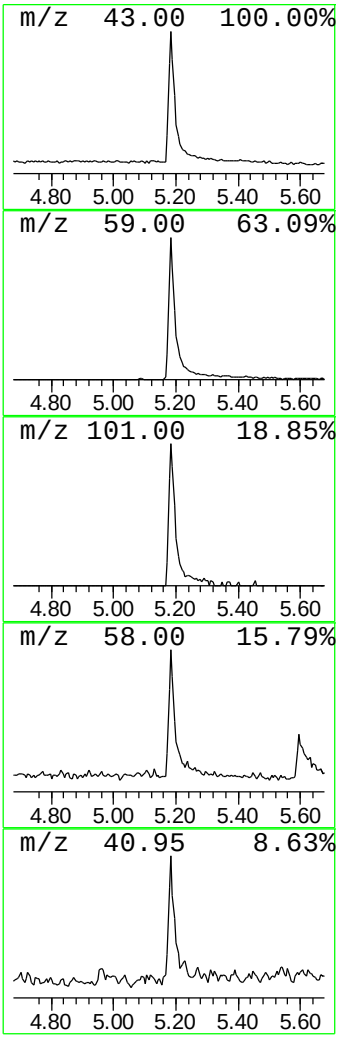
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.18	7.94 ng	254626	1,4-Dichlorobenzene-d4	6.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	36
3	3-Octanol	130	C8H18O	000589-98-0	33
4	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	28
5	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080318\
Data File : BF107937.D
Acq On : 3 Aug 2018 15:02
Operator : JU/SJ
Sample : J4262-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GW-04

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

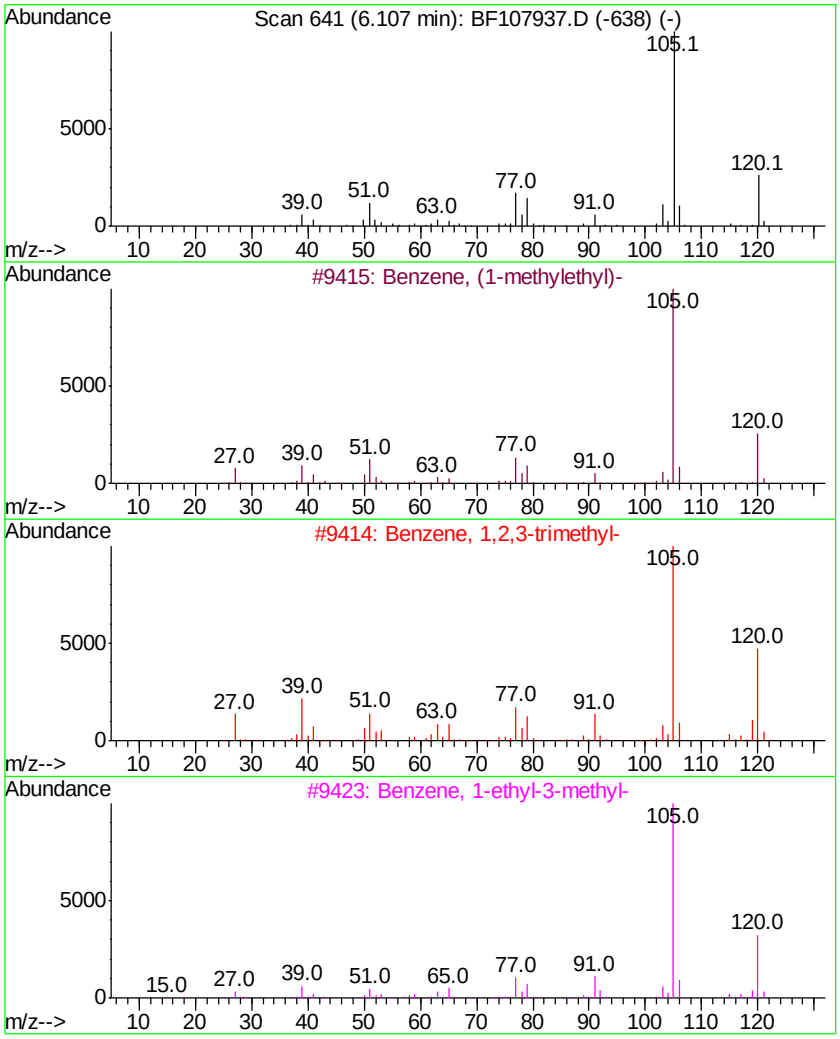
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

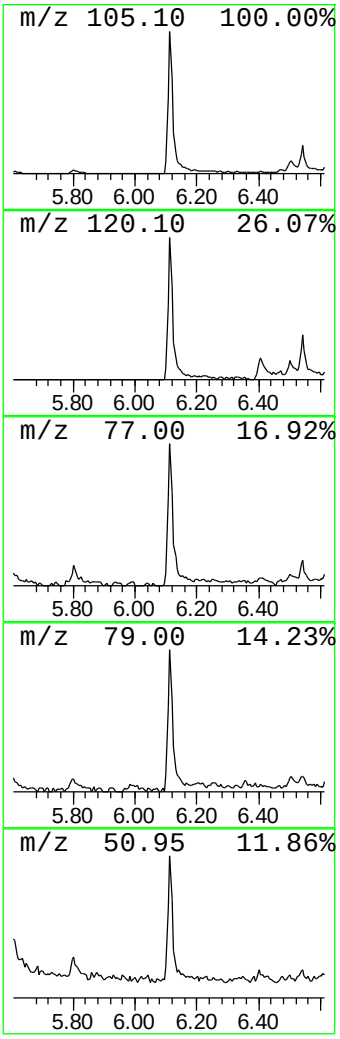
****

Peak Number 2 Benzene, (1-methylethyl)- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.11	9.58 ng	307275	1,4-Dichlorobenzene-d4	6.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	94
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	72
4	2,3-Heptadien-5-yne, 2,4-dimethyl-	120	C9H12	041898-89-9	64
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	64





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080318\
Data File : BF107937.D
Acq On : 3 Aug 2018 15:02
Operator : JU/SJ
Sample : J4262-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GW-04

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

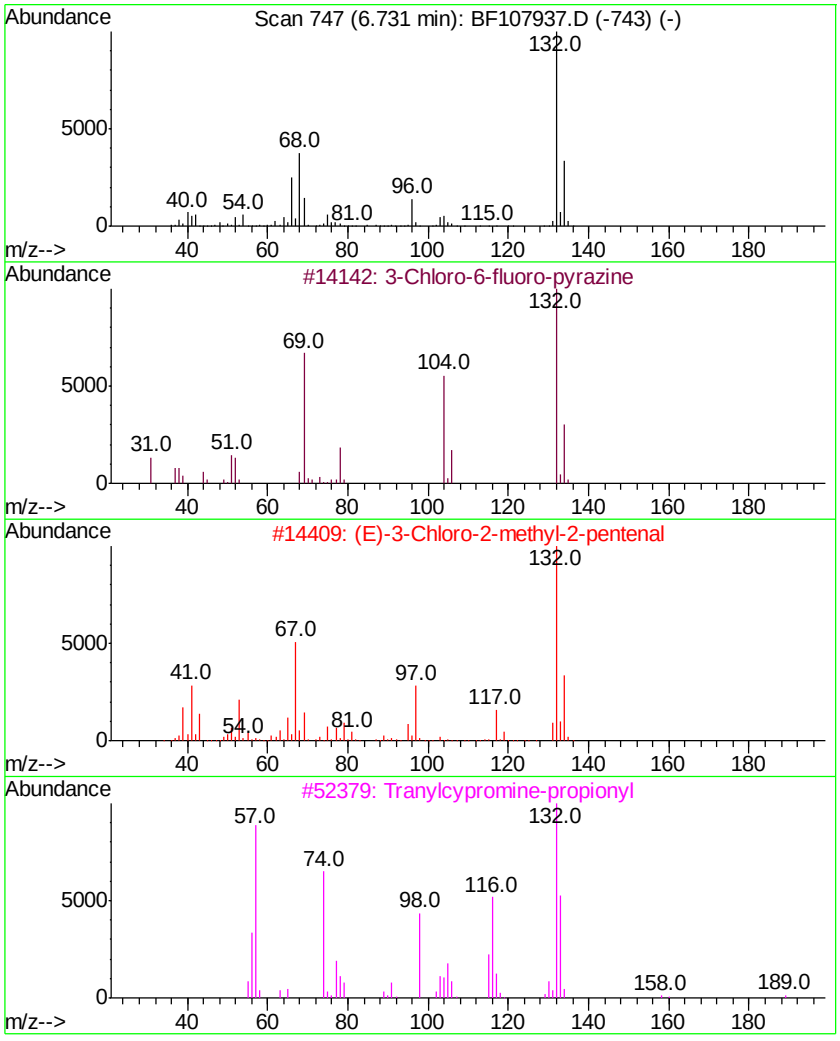
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

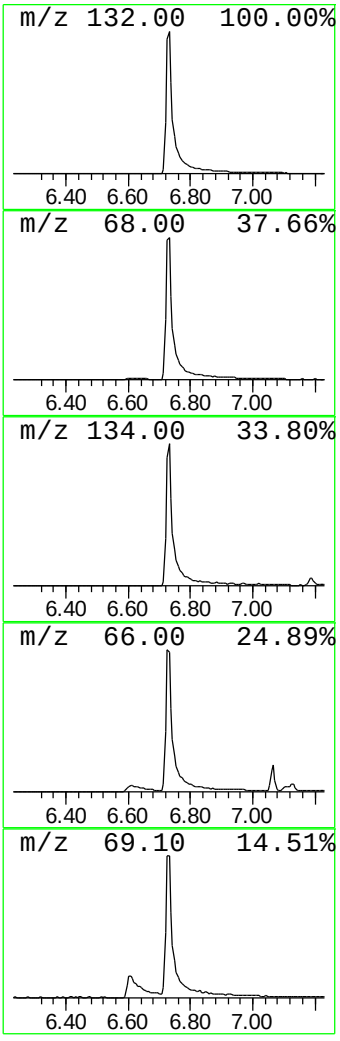
****

Peak Number 3 unknown6.73 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.73	116.05 ng	3721560	1,4-Dichlorobenzene-d4	6.95

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	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
4	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5	1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080318\
Data File : BF107937.D
Acq On : 3 Aug 2018 15:02
Operator : JU/SJ
Sample : J4262-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GW-04

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

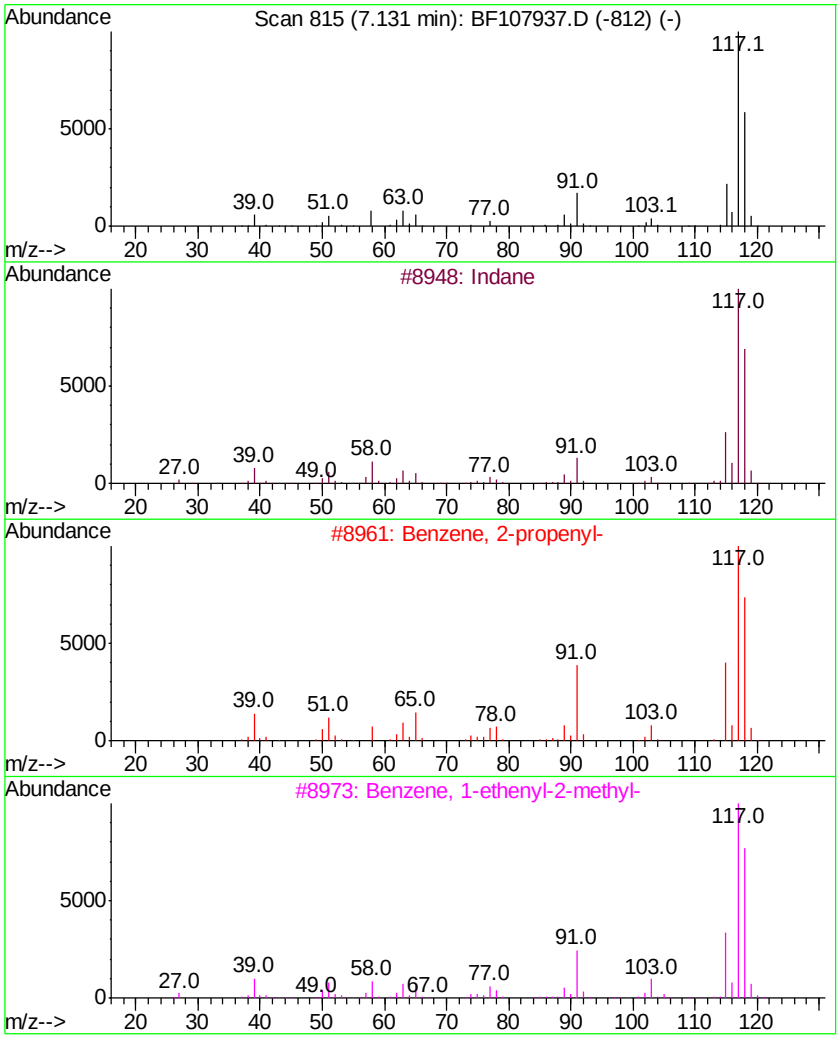
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

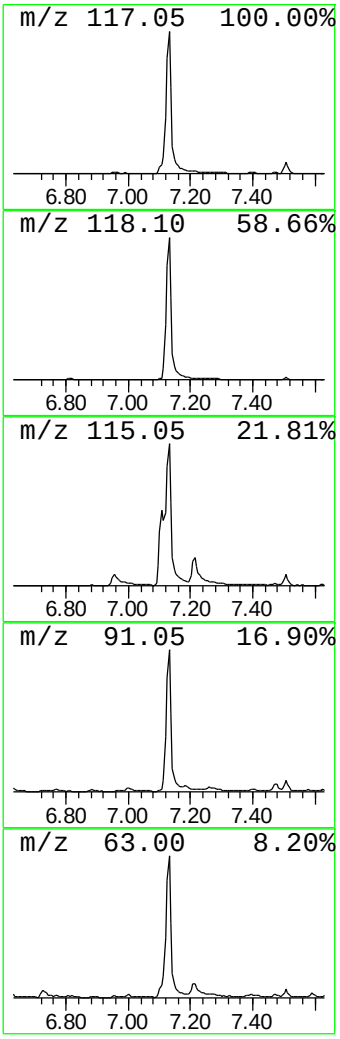
****

Peak Number 5 Indane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.13	179.22 ng	5747340	1,4-Dichlorobenzene-d4	6.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	91
2	Benzene, 2-propenyl-	118	C9H10	000300-57-2	87
3	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	83
4	Benzene, cyclopropyl-	118	C9H10	000873-49-4	83
5	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	72





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080318\
Data File : BF107937.D
Acq On : 3 Aug 2018 15:02
Operator : JU/SJ
Sample : J4262-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GW-04

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

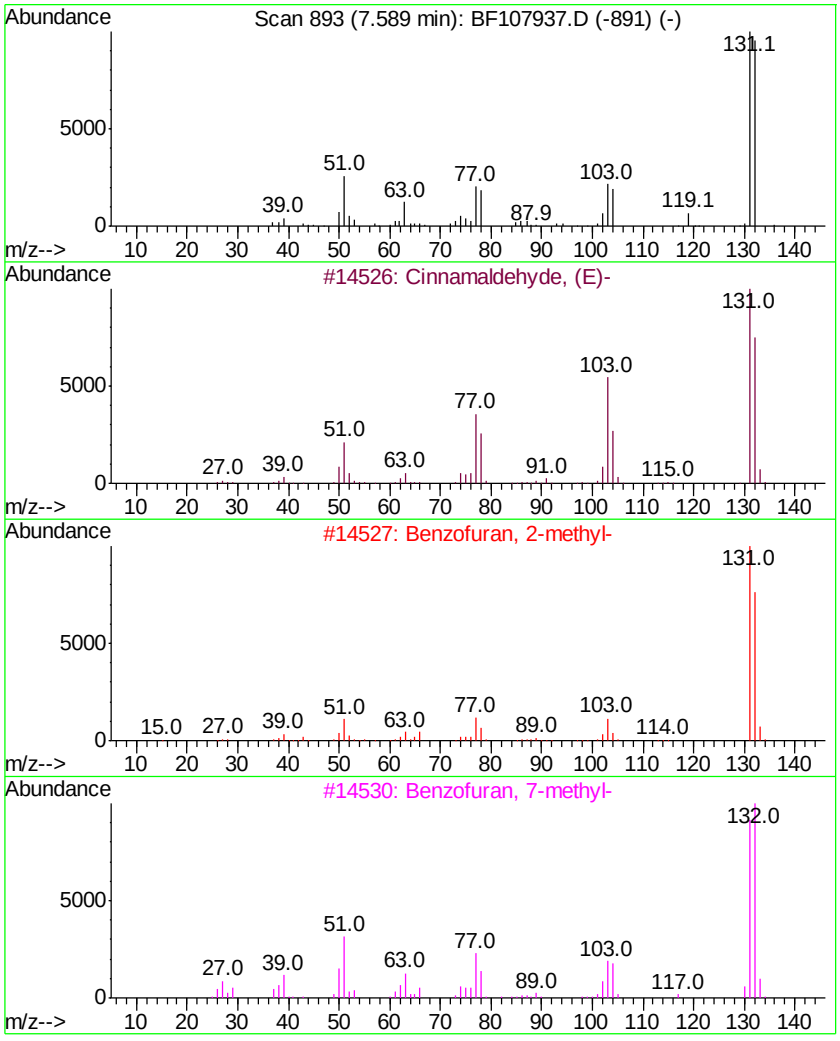
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

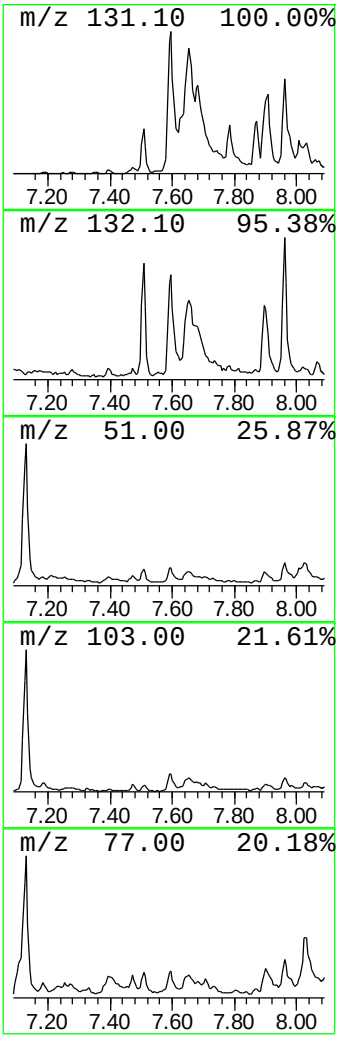
****

Peak Number 6 Cinnamaldehyde, (E)- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.59	12.57 ng	402995	1,4-Dichlorobenzene-d4	6.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cinnamaldehyde, (E)-	132	C9H8O	014371-10-9	91
2	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	90
3	Benzofuran, 7-methyl-	132	C9H8O	017059-52-8	90
4	2-Propenal, 3-phenyl-	132	C9H8O	000104-55-2	83
5	1H-Indazole, 3-methyl-	132	C8H8N2	1000316-00-2	78





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080318\
Data File : BF107937.D
Acq On : 3 Aug 2018 15:02
Operator : JU/SJ
Sample : J4262-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GW-04

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

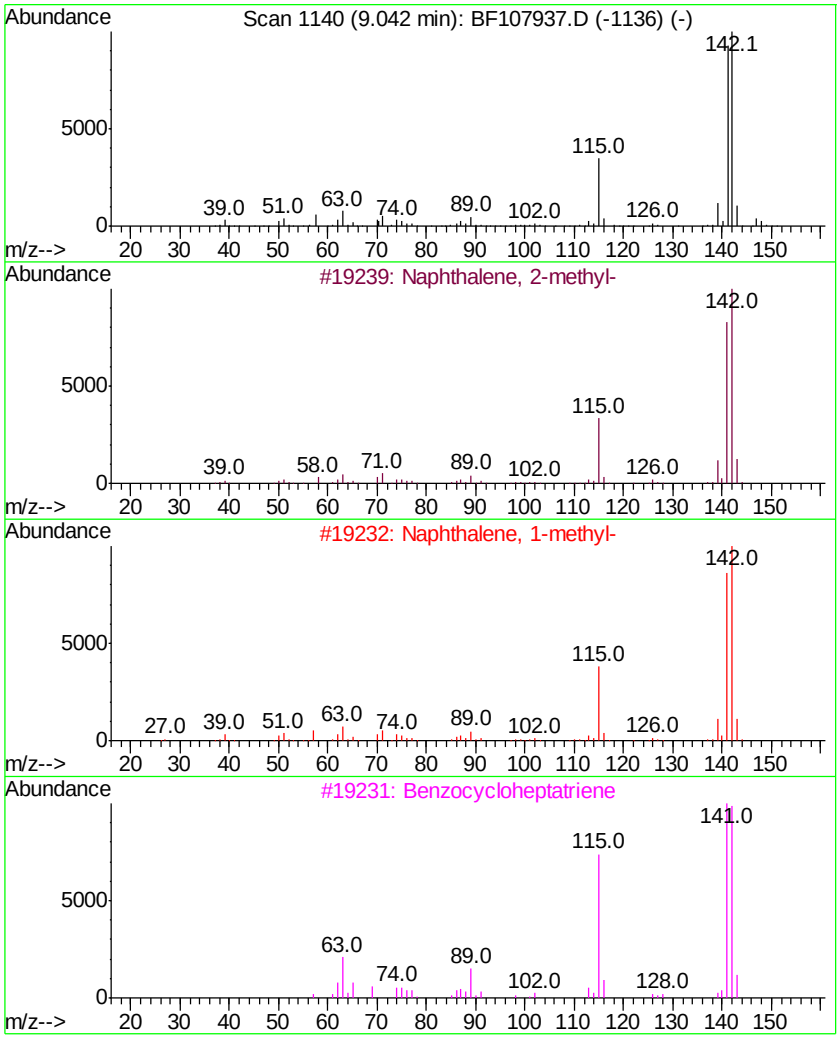
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

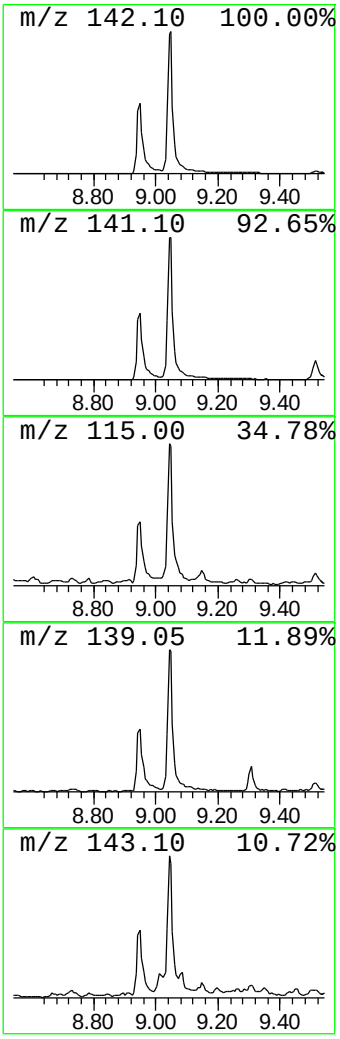
****

Peak Number 7 Naphthalene, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.04	5.74 ng	1787140	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	93
4	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91
5	Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	91





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080318\
Data File : BF107937.D
Acq On : 3 Aug 2018 15:02
Operator : JU/SJ
Sample : J4262-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GW-04

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

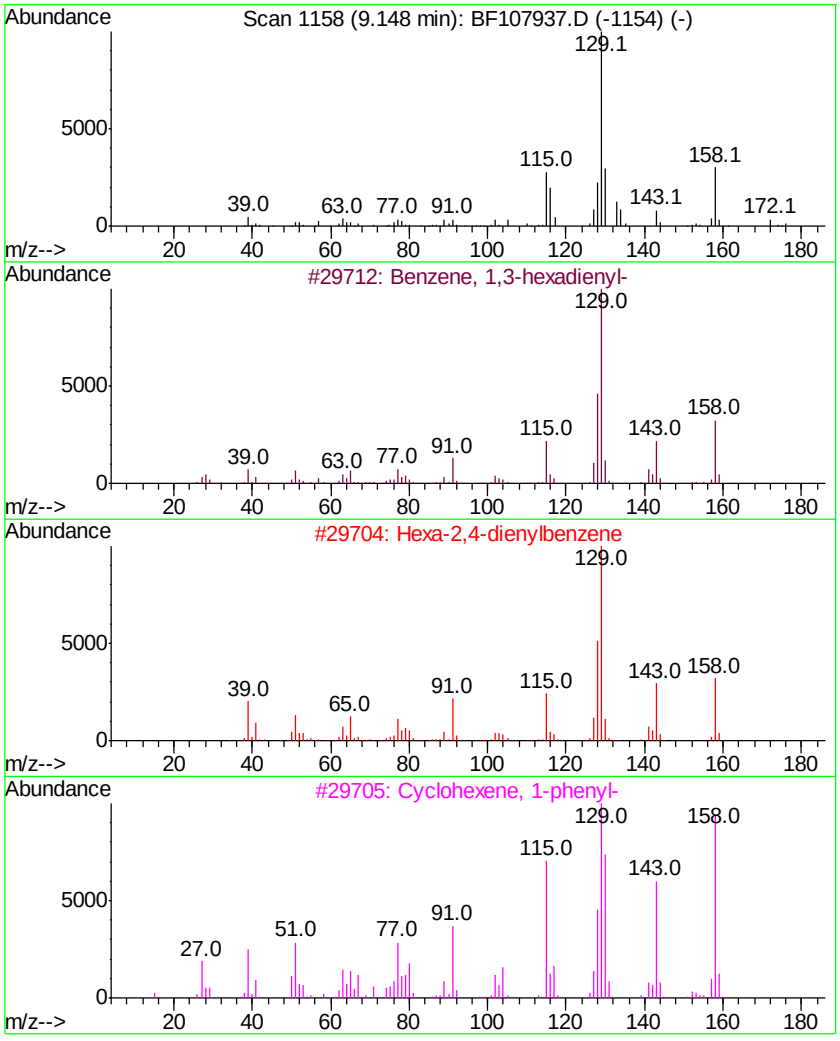
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

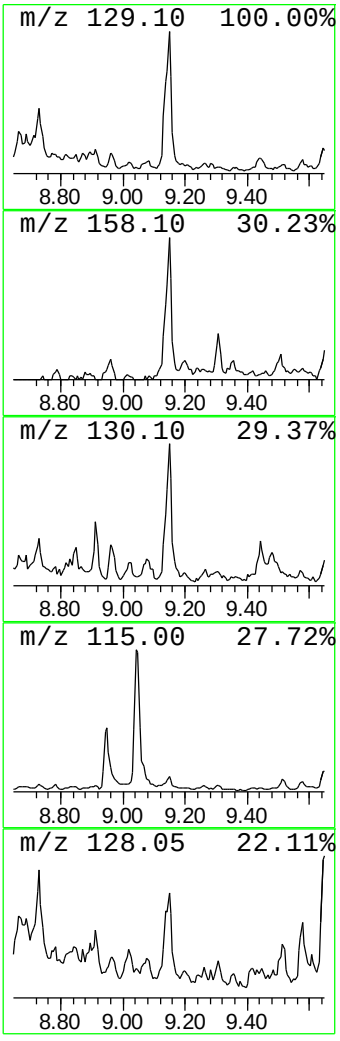
****

Peak Number 8 Benzene, 1,3-hexadienyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.15	5.09 ng	295302	Acenaphthene-d10	9.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-hexadienyl-	158	C12H14	041635-77-2	50
2	Hexa-2,4-dienylbenzene	158	C12H14	079482-86-3	49
3	Cyclohexene, 1-phenyl-	158	C12H14	000771-98-2	38
4	Benzene, 2-cyclohexen-1-yl-	158	C12H14	015232-96-9	32
5	2-Isobutoxy-4-methyl-[1,3,2]diox...	172	C8H17BO3	161616-29-1	28





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080318\
Data File : BF107937.D
Acq On : 3 Aug 2018 15:02
Operator : JU/SJ
Sample : J4262-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GW-04

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

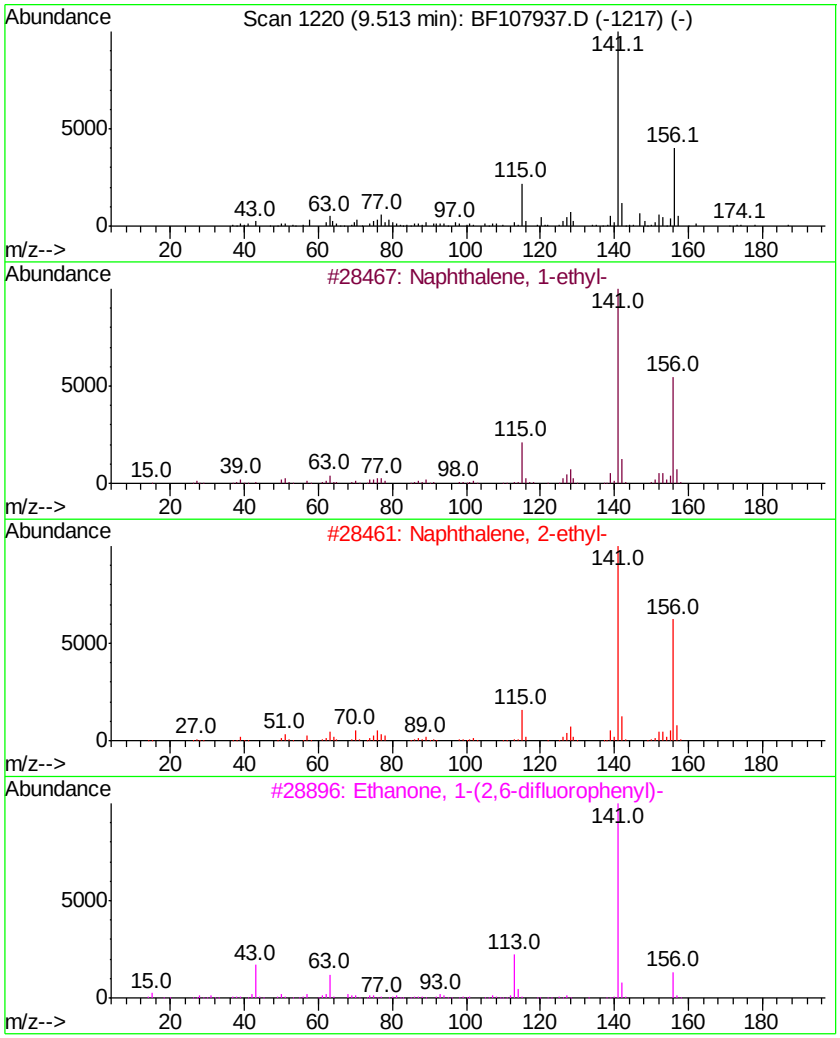
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

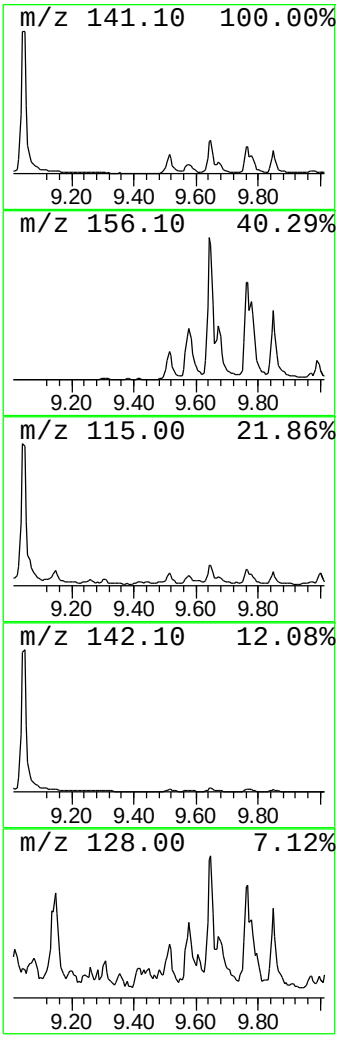
****

Peak Number 9 Naphthalene, 1-ethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.51	4.74 ng	275359	Acenaphthene-d10	9.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	95
2	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	94
3	Ethanone, 1-(2,6-difluorophenyl)-	156	C8H6F2O	013670-99-0	64
4	Ethanone, 1-(2,4-difluorophenyl)-	156	C8H6F2O	000364-83-0	64
5	Butethal	212	C10H16N2O3	000077-28-1	59





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080318\
Data File : BF107937.D
Acq On : 3 Aug 2018 15:02
Operator : JU/SJ
Sample : J4262-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GW-04

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

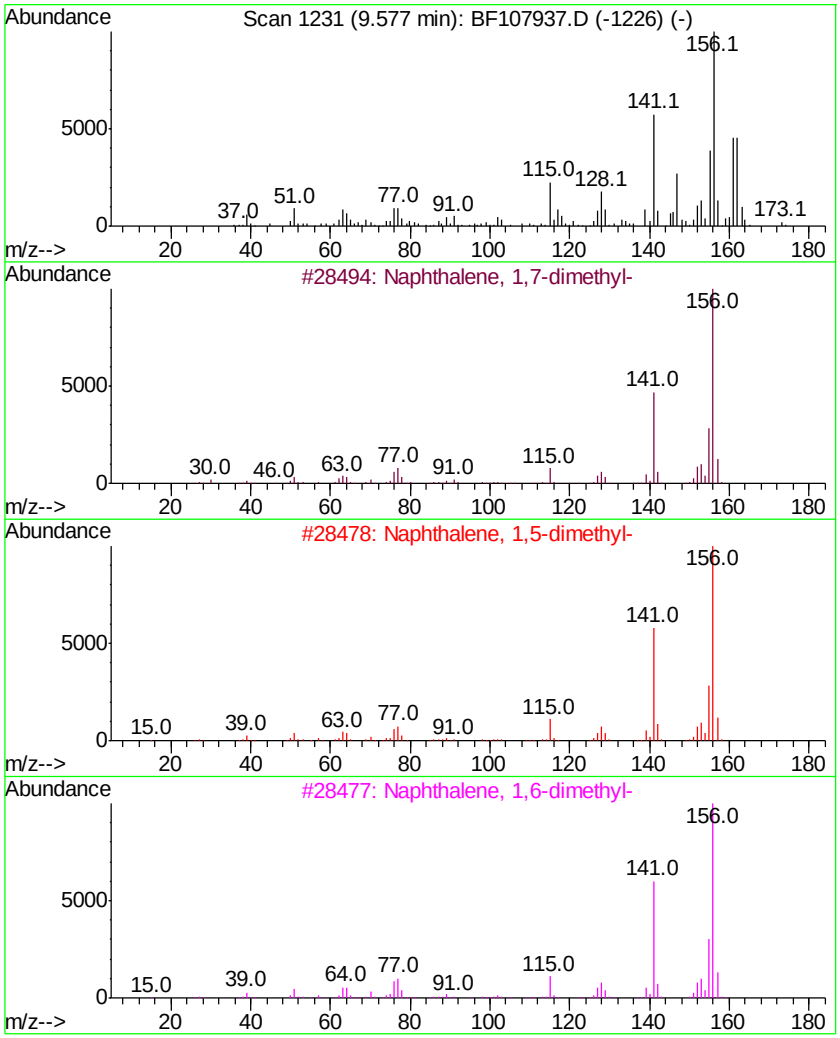
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

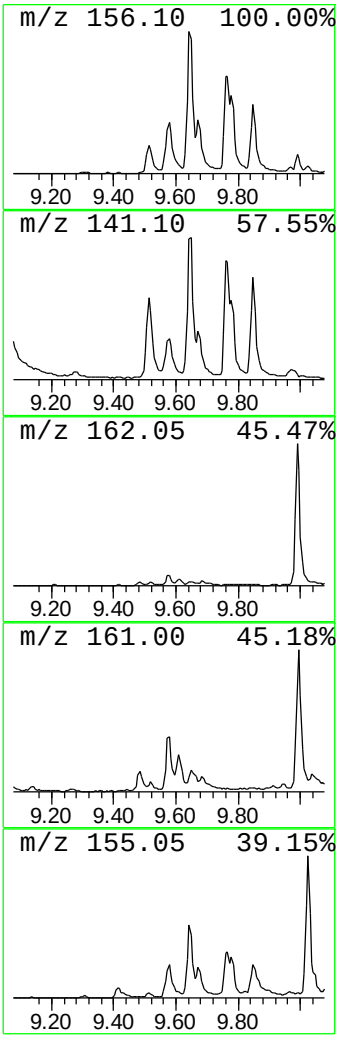
****

Peak Number 10 Naphthalene, 1,5-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.58	6.75 ng	391811	Acenaphthene-d10	9.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	92
2	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	91
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	91
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	90
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	90





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080318\
Data File : BF107937.D
Acq On : 3 Aug 2018 15:02
Operator : JU/SJ
Sample : J4262-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GW-04

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

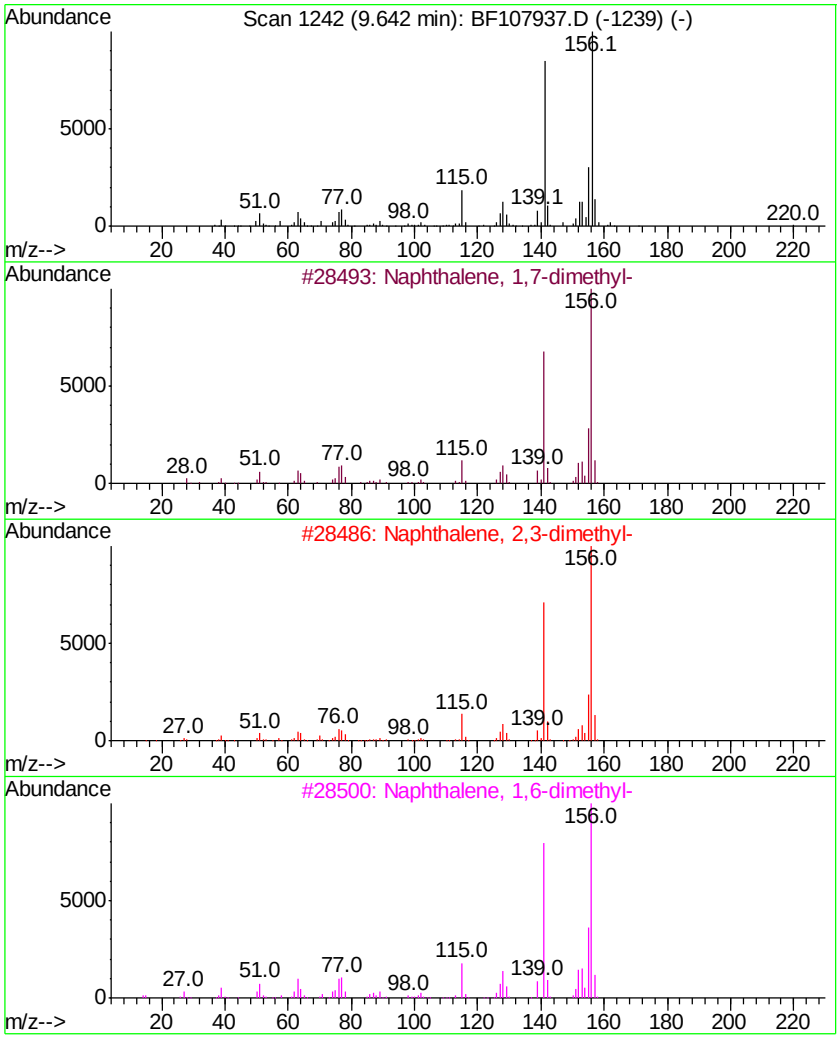
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

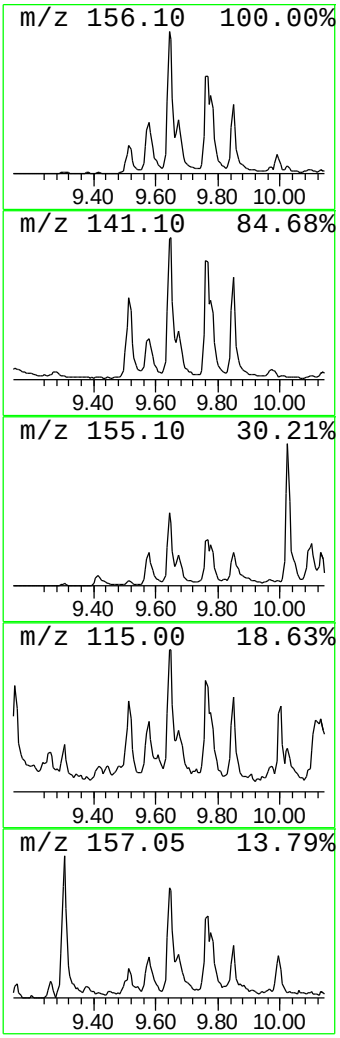
****

Peak Number 11 Naphthalene, 1,7-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.64	9.28 ng	538611	Acenaphthene-d10	9.99

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





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080318\
Data File : BF107937.D
Acq On : 3 Aug 2018 15:02
Operator : JU/SJ
Sample : J4262-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GW-04

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

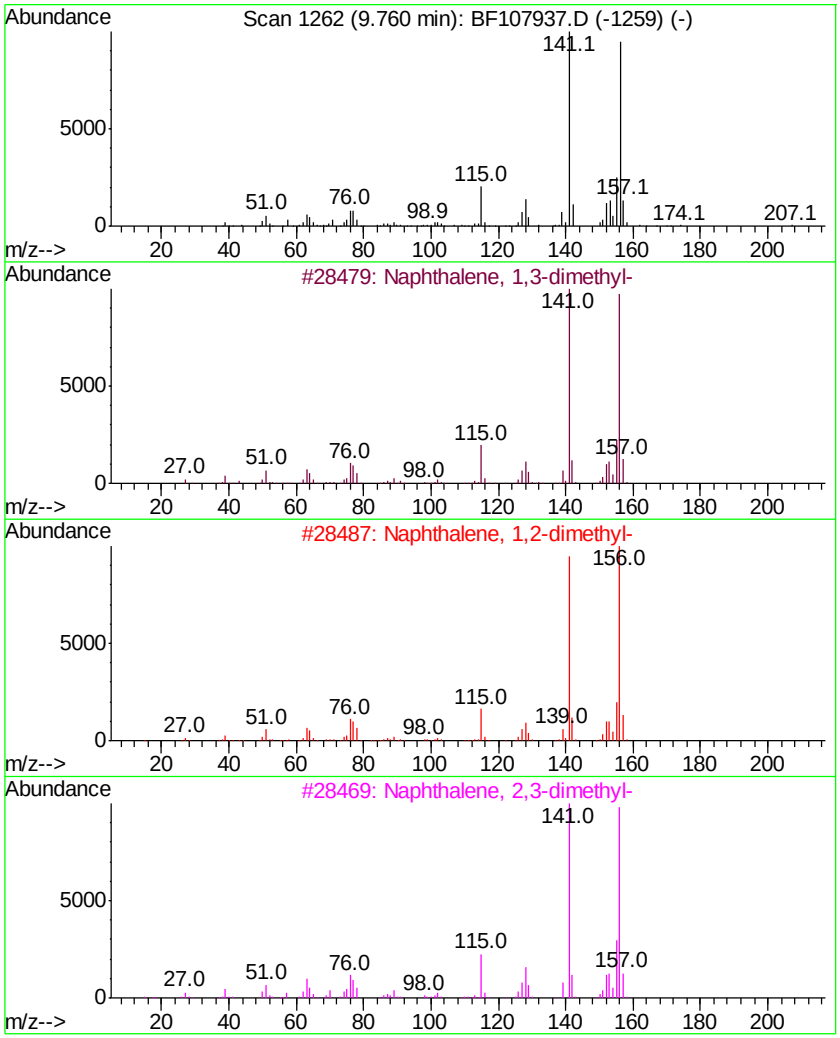
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

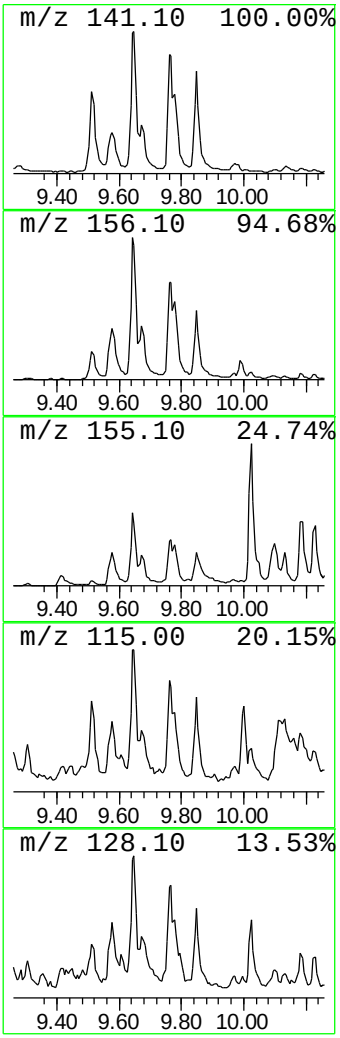
****

Peak Number 12 Naphthalene, 1,3-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.76	6.03 ng	349775	Acenaphthene-d10	9.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	98
2	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	97
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080318\
Data File : BF107937.D
Acq On : 3 Aug 2018 15:02
Operator : JU/SJ
Sample : J4262-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GW-04

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

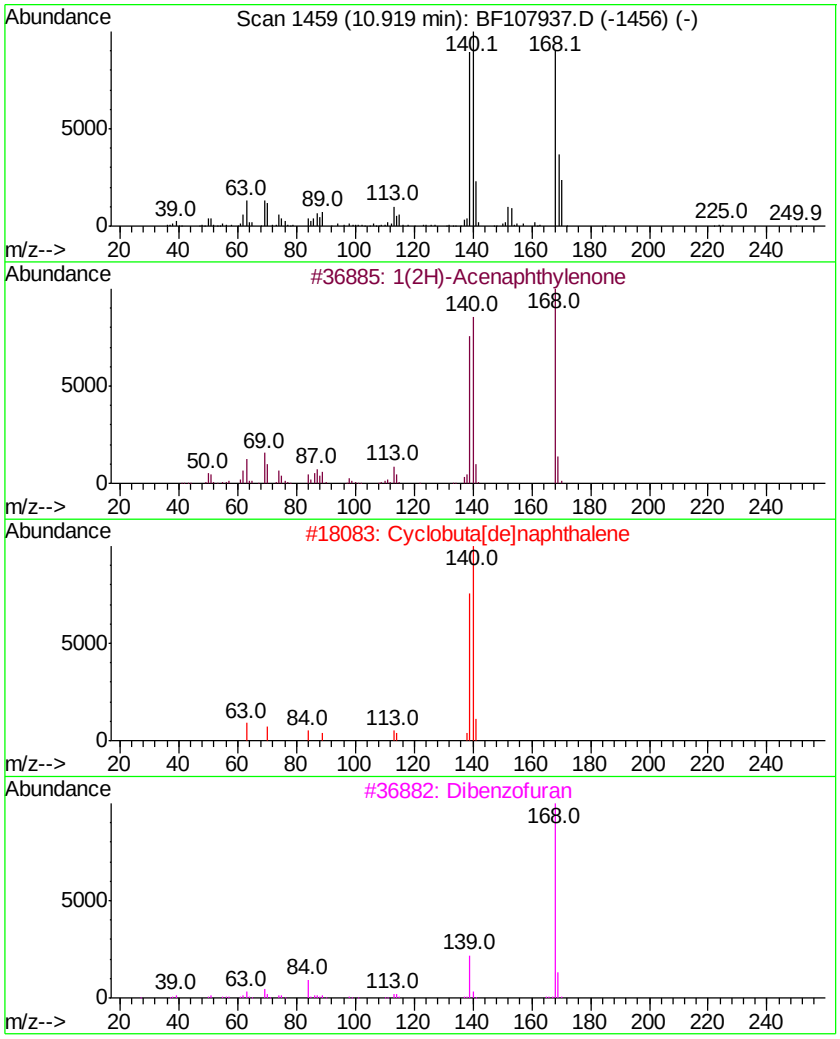
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

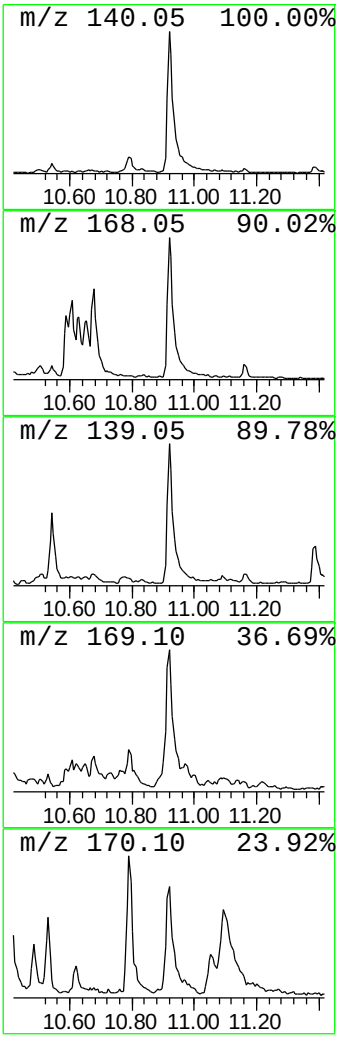
****

Peak Number 13 1(2H)-Acenaphthylenone Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.92	8.86 ng	456420	Phenanthrene-d10	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1(2H)-Acenaphthylenone	168	C12H8O	002235-15-6	90
2	Cyclobuta[de]naphthalene	140	C11H8	024973-91-9	46
3	Dibenzofuran	168	C12H8O	000132-64-9	43
4	9H-Pyrido[3,4-b]indole	168	C11H8N2	000244-63-3	43
5	Benzaldehyde, 2-fluoro-4-hydroxy-	140	C7H5FO2	000348-27-6	38





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080318\
Data File : BF107937.D
Acq On : 3 Aug 2018 15:02
Operator : JU/SJ
Sample : J4262-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GW-04

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

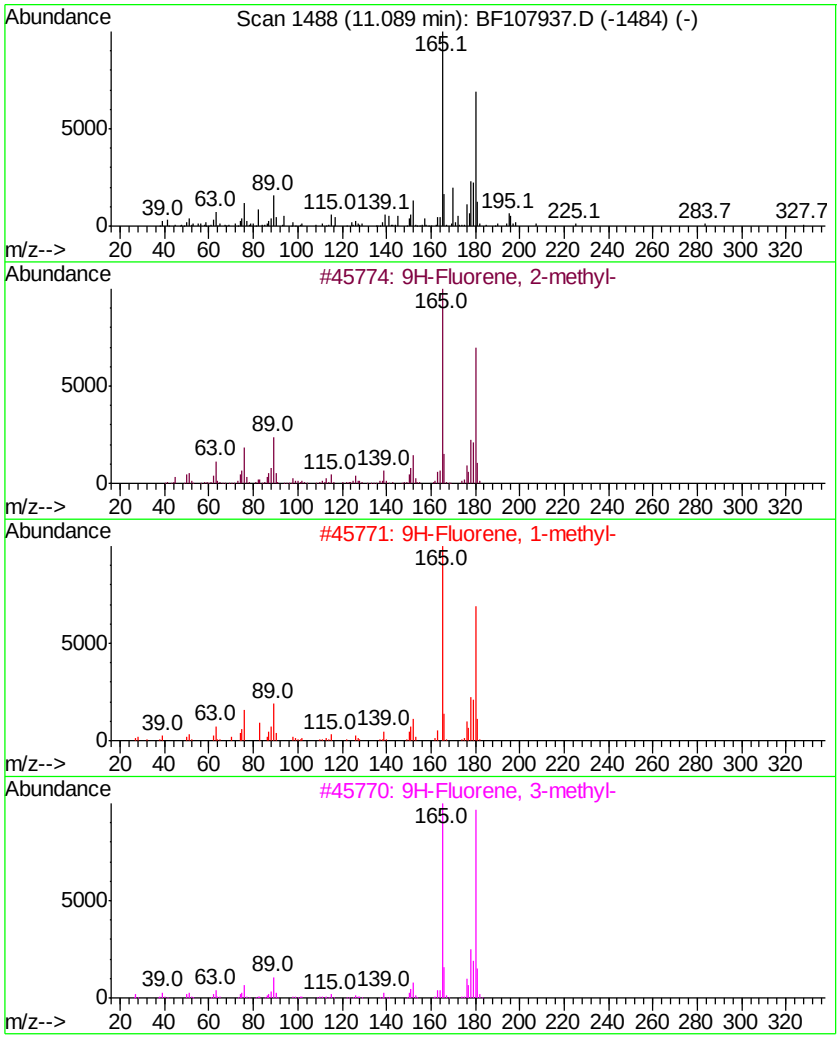
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

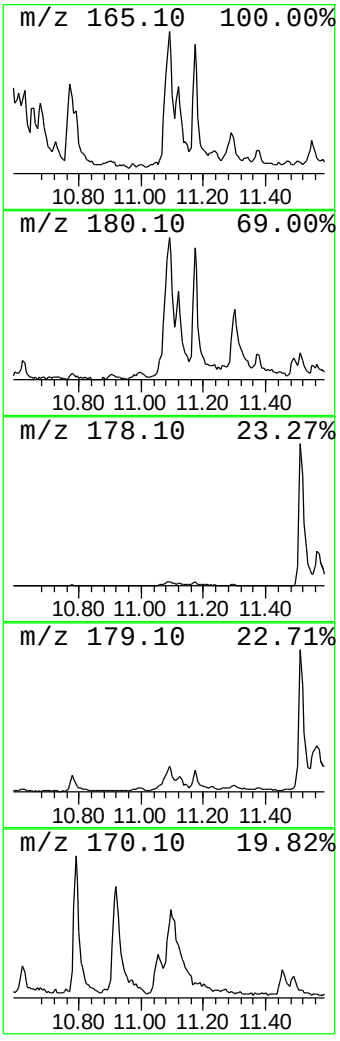
****

Peak Number 14 9H-Fluorene, 2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.09	4.51 ng	232214	Phenanthrene-d10	11.49

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	94
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	83
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	64
5	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	60





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080318\
Data File : BF107937.D
Acq On : 3 Aug 2018 15:02
Operator : JU/SJ
Sample : J4262-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GW-04

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

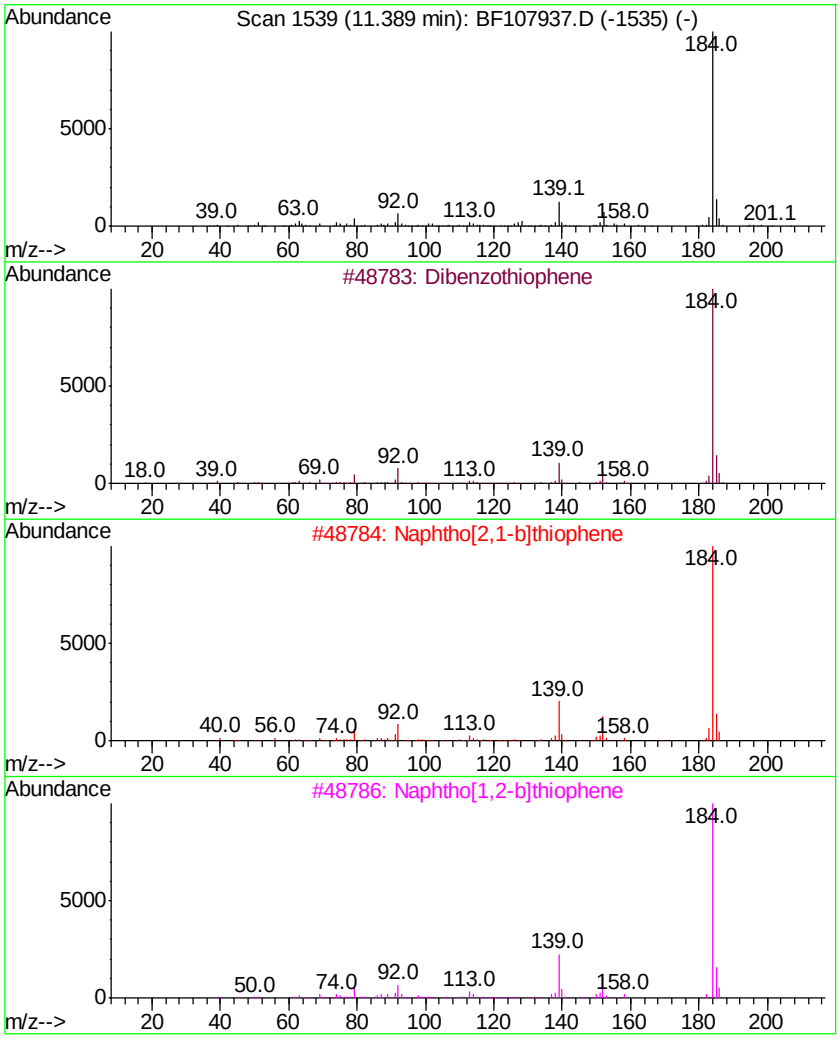
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

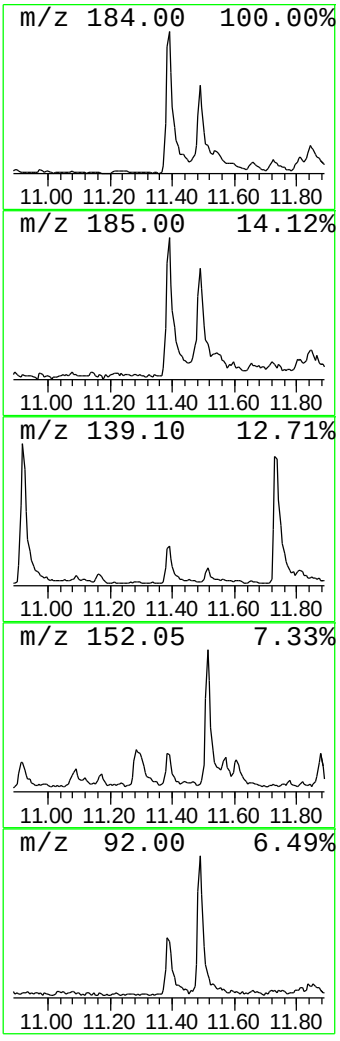
****

Peak Number 15 Dibenzothiophene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.39	7.63 ng	392988	Phenanthrene-d10	11.49

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	94
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	93
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	93
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080318\
Data File : BF107937.D
Acq On : 3 Aug 2018 15:02
Operator : JU/SJ
Sample : J4262-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GW-04

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

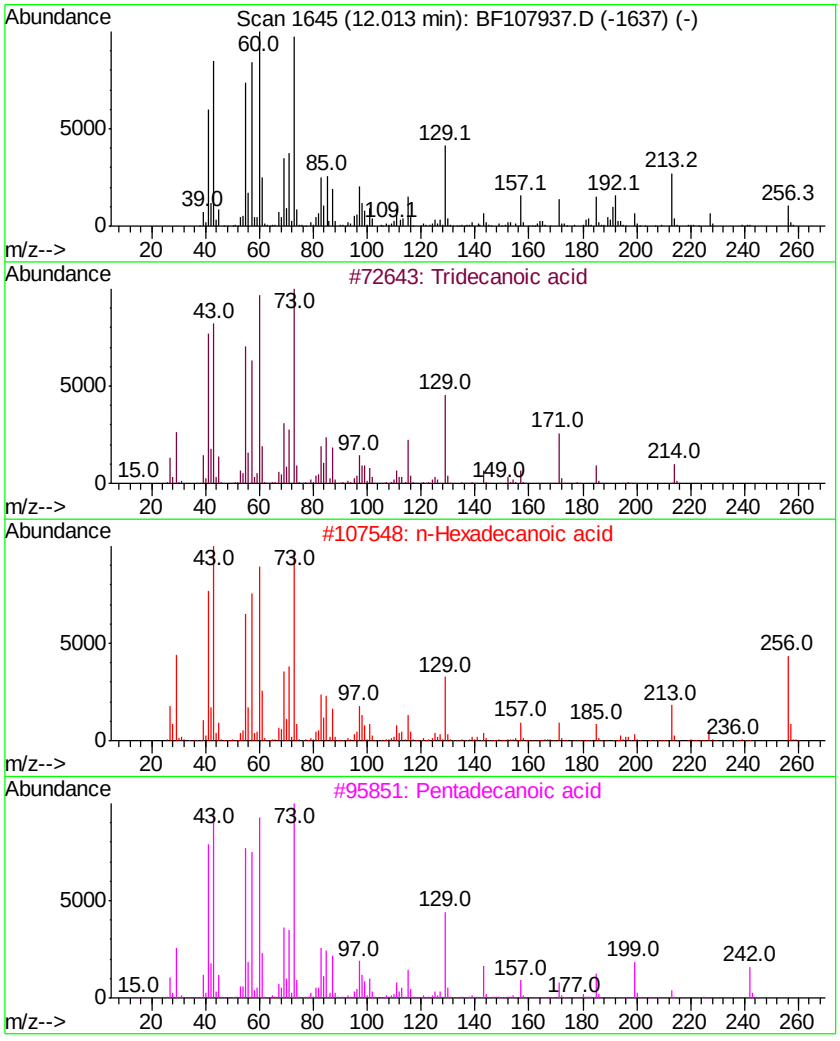
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

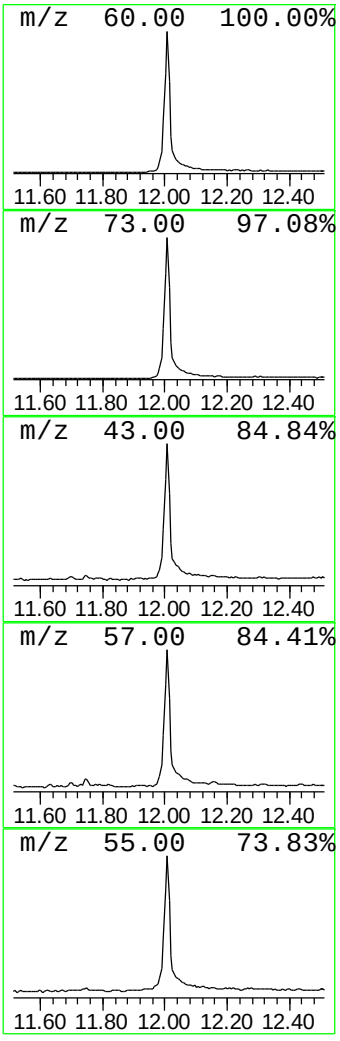
****

Peak Number 16 Tridecanoic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.01	50.27 ng	2590550	Phenanthrene-d10	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecanoic acid	214	C13H26O2	000638-53-9	93
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	93
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	90
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	83
5	Dodecanoic acid	200	C12H24O2	000143-07-7	76





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080318\
Data File : BF107937.D
Acq On : 3 Aug 2018 15:02
Operator : JU/SJ
Sample : J4262-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GW-04

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

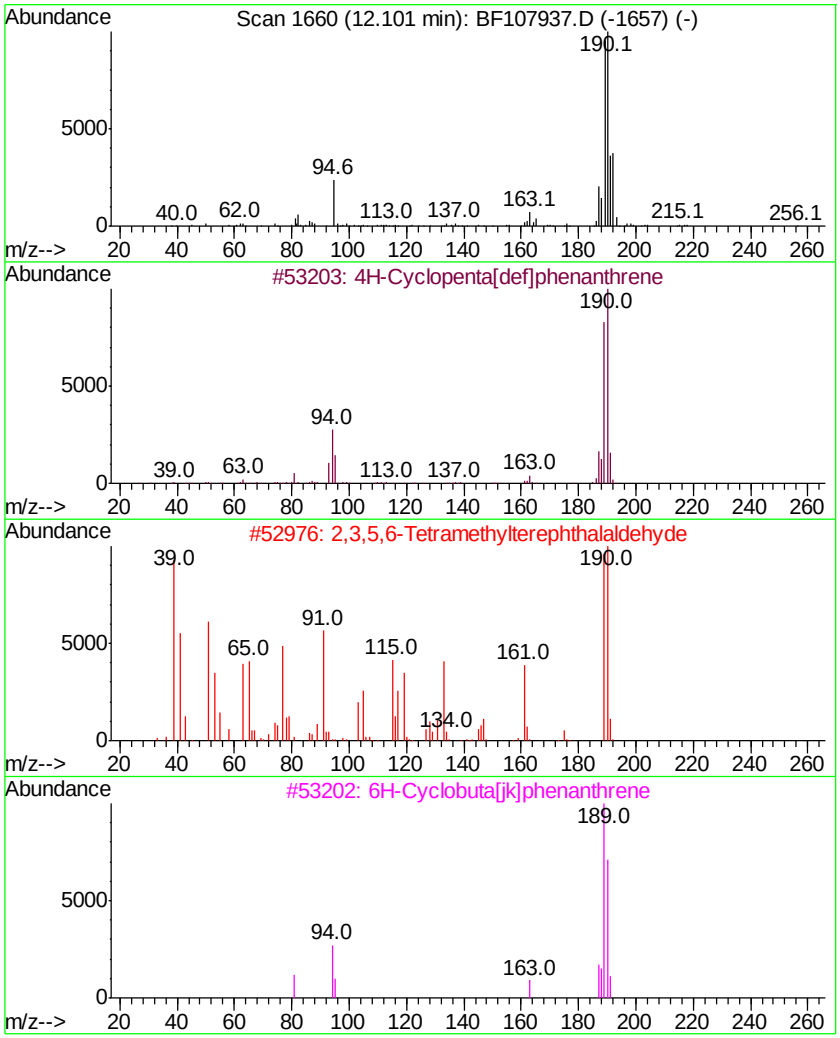
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

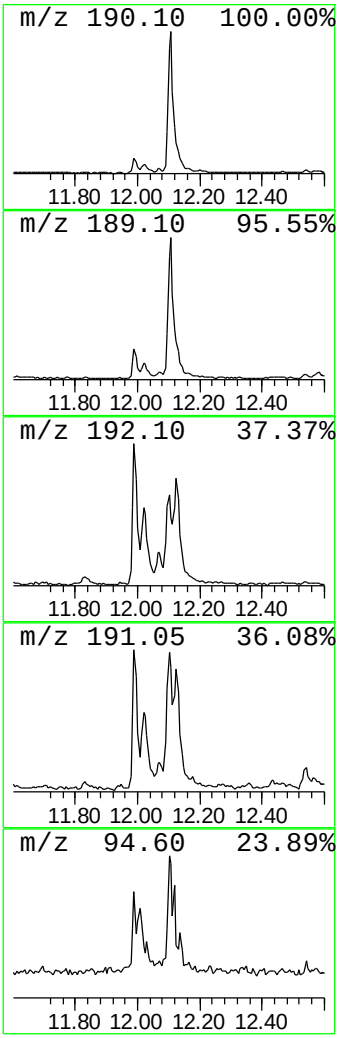
****

Peak Number 17 4H-Cyclopenta[def]phenanthrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.10	12.33 ng	635366	Phenanthrene-d10	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	68
2	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	50
4	Methyl diselenide	190	C2H6Se2	007101-31-7	49
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080318\
Data File : BF107937.D
Acq On : 3 Aug 2018 15:02
Operator : JU/SJ
Sample : J4262-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GW-04

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

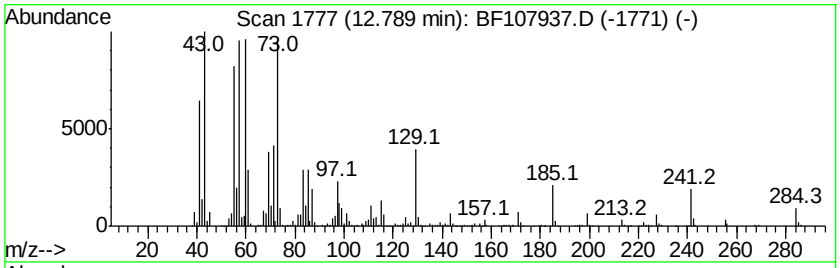
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

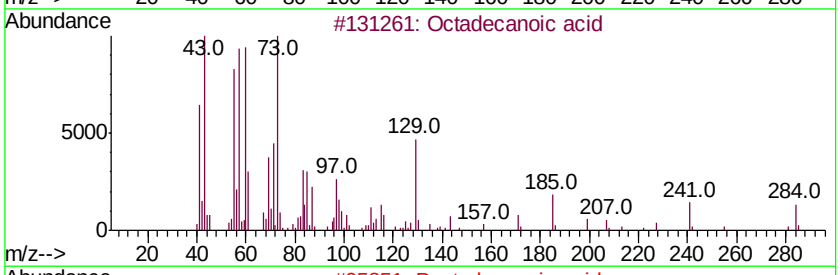
****

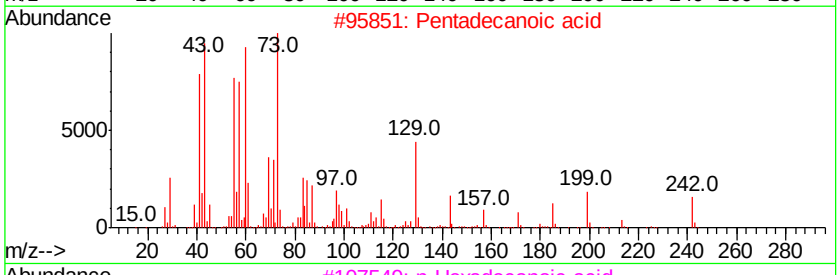
Peak Number 18 Octadecanoic acid Concentration Rank 4

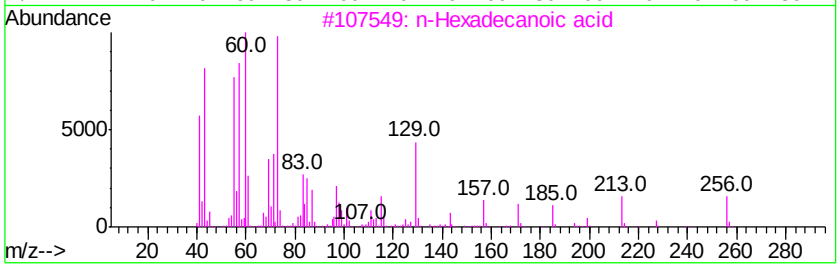
R.T.	EstConc	Area	Relative to ISTD	R.T.
12.79	59.97 ng	3089990	Phenanthrene-d10	11.49

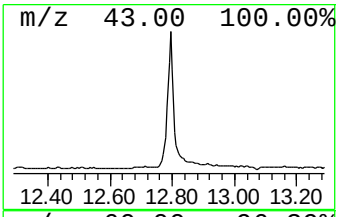
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	94
3	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	83
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	83
5	n-Decanoic acid	172	C10H20O2	000334-48-5	70

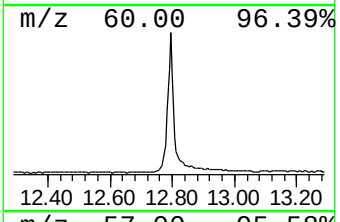


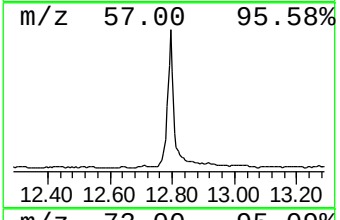


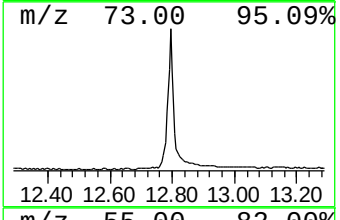


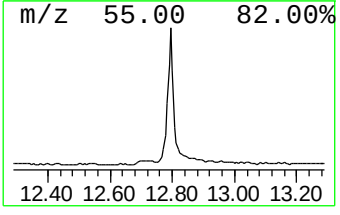












Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080318\
Data File : BF107937.D
Acq On : 3 Aug 2018 15:02
Operator : JU/SJ
Sample : J4262-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GW-04

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

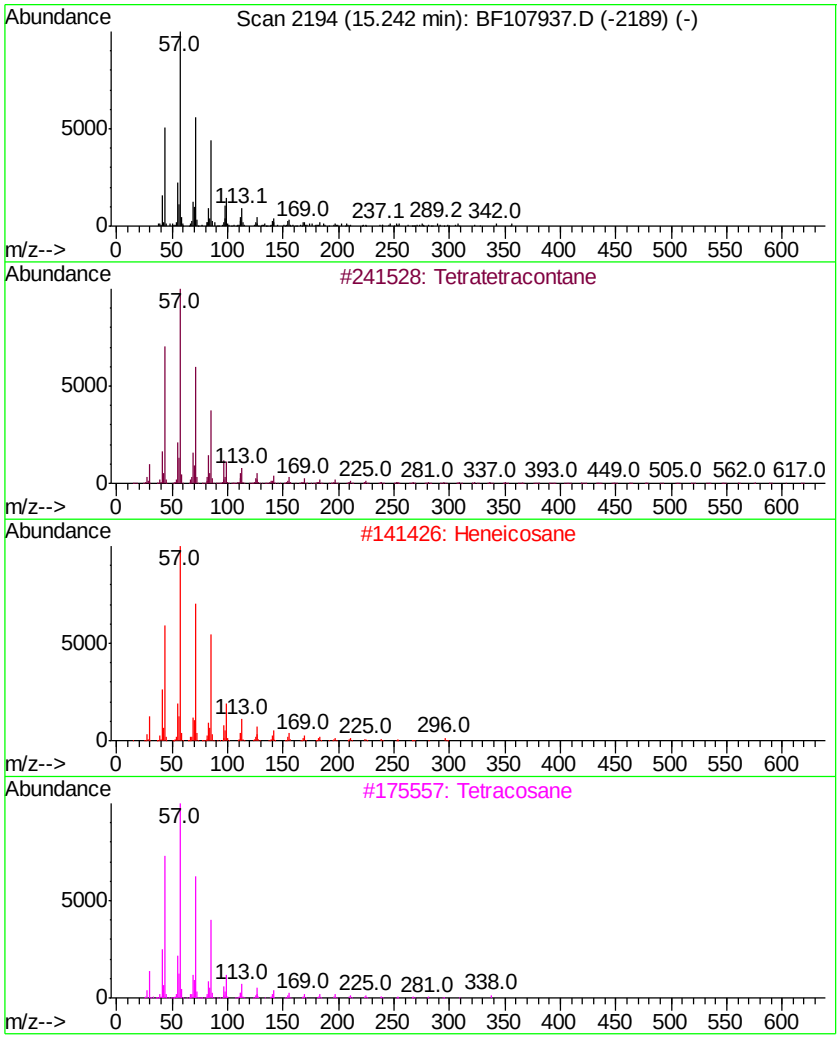
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

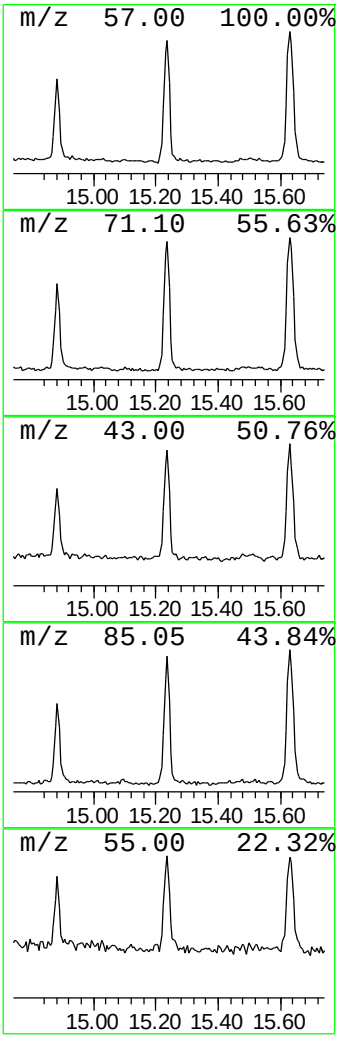
****

Peak Number 19 Tetratetracontane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.24	6.90 ng	330167	Perylene-d12	15.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetratetracontane	619	C44H90	007098-22-8	91
2	Heneicosane	296	C21H44	000629-94-7	91
3	Tetracosane	338	C24H50	000646-31-1	91
4	Octacosane	394	C28H58	000630-02-4	91
5	Docosane	310	C22H46	000629-97-0	87





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080318\
Data File : BF107937.D
Acq On : 3 Aug 2018 15:02
Operator : JU/SJ
Sample : J4262-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GW-04

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

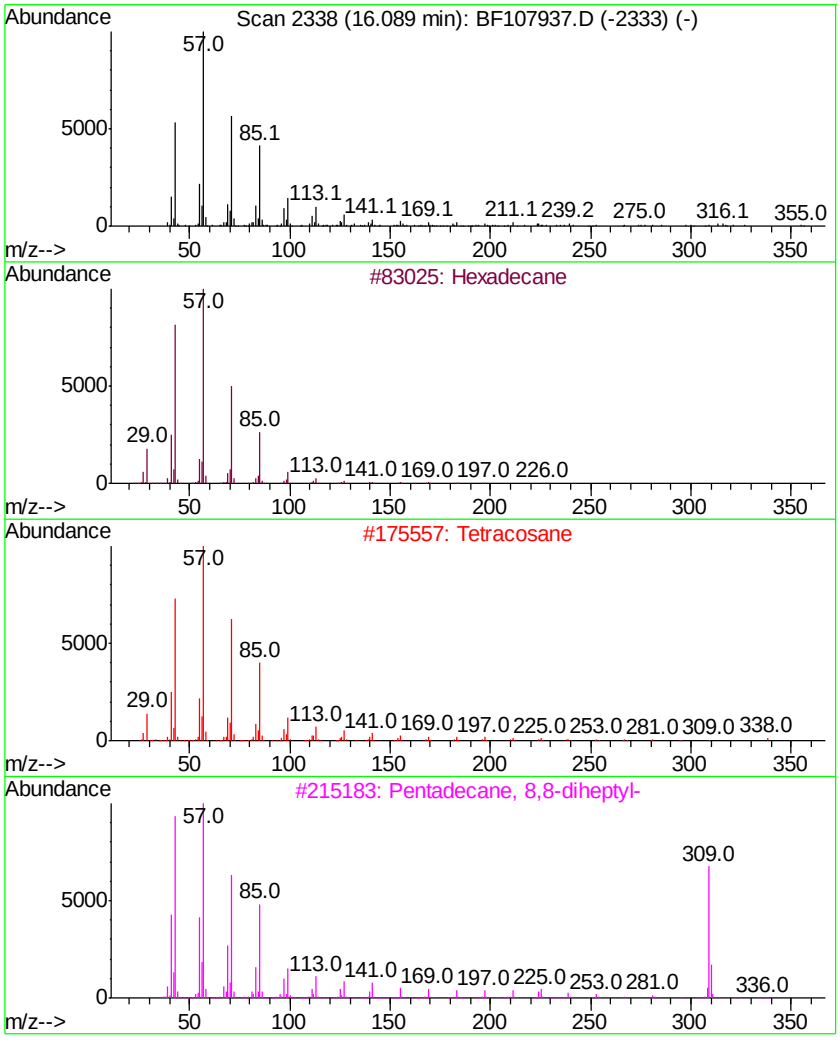
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

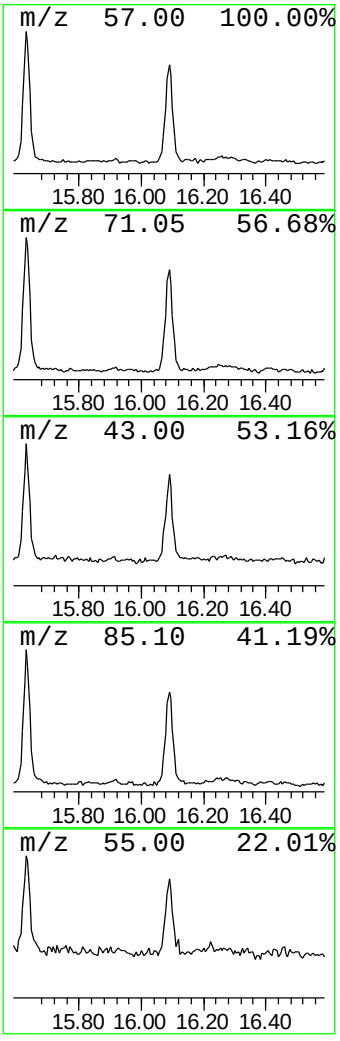
****

Peak Number 20 Hexadecane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.09	6.98 ng	333819	Perylene-d12	15.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	94
2	Tetracosane	338	C24H50	000646-31-1	91
3	Pentadecane, 8,8-diheptyl-	408	C29H60	055268-72-9	91
4	Nonadecane, 2-methyl-	282	C20H42	001560-86-7	90
5	Heptacosane	380	C27H56	000593-49-7	87





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF080318\
Data File : BF107937.D
Acq On : 3 Aug 2018 15:02
Operator : JU/SJ
Sample : J4262-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GW-04

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

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-hy...	5.18	7.9	ng	254626	1	6.95	641379	20.0
Benzene, (1-methy...	6.11	9.6	ng	307275	1	6.95	641379	20.0
unknown6.73	6.73	116.1	ng	3721560	1	6.95	641379	20.0
Indane	7.13	179.2	ng	5747340	1	6.95	641379	20.0
Cinnamaldehyde, (E)-	7.59	12.6	ng	402995	1	6.95	641379	20.0
Naphthalene, 2-me...	9.04	5.7	ng	1787140	2	8.24	6230930	20.0
Benzene, 1,3-hexa...	9.15	5.1	ng	295302	3	9.99	1160700	20.0
Naphthalene, 1-et...	9.51	4.7	ng	275359	3	9.99	1160700	20.0
Naphthalene, 1,5-...	9.58	6.8	ng	391811	3	9.99	1160700	20.0
Naphthalene, 1,7-...	9.64	9.3	ng	538611	3	9.99	1160700	20.0
Naphthalene, 1,3-...	9.76	6.0	ng	349775	3	9.99	1160700	20.0
1(2H)-Acenaphthyl...	10.92	8.9	ng	456420	4	11.49	1030600	20.0
9H-Fluorene, 2-me...	11.09	4.5	ng	232214	4	11.49	1030600	20.0
Dibenzothiophene	11.39	7.6	ng	392988	4	11.49	1030600	20.0
Tridecanoic acid	12.01	50.3	ng	2590550	4	11.49	1030600	20.0
4H-Cyclopenta[def...	12.10	12.3	ng	635366	4	11.49	1030600	20.0
Octadecanoic acid	12.79	60.0	ng	3089990	4	11.49	1030600	20.0
Tetratetracontane	15.24	6.9	ng	330167	6	15.67	956857	20.0
Hexadecane	16.09	7.0	ng	333819	6	15.67	956857	20.0