LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111618\
Data File : BF110816.D
Acq On : 16 Nov 2018 15:03
Operator : JU/SJ
Sample : J5939-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OILY-WATER

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-BF110818.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	2.204	16	20	37	rVB	237206	372254	38.72%	2.726%
2	5.557	587	590	600	rBV	260509	339315	35.29%	2.485%
3	6.563	757	761	770	rBV	219630	313751	32.63%	2.298%
4	6.704	782	785	792	rVB	732347	632897	65.83%	4.635%
5	6.886	810	816	819	rBV2	34409	40157	4.18%	0.294%
6	6.939	822	825	832	rVV	359074	338581	35.21%	2.480%
7	7.092	848	851	859	rVV	734793	643469	66.92%	4.713%
8	7.181	863	866	868	rVV	27628	30988	3.22%	0.227%
9	7.269	872	881	884	rBV3	29384	40638	4.23%	0.298%
10	7.328	887	891	893	rVV	39147	40757	4.24%	0.298%
11	7.463	908	914	917	rBV	124003	124135	12.91%	0.909%
12	7.504	917	921	927	rVV2	563212	601566	62.57%	4.406%
13	7.569	927	932	936	rVV4	51174	72207	7.51%	0.529%
14	7.616	936	940	944	rVV	29242	32869	3.42%	0.241%
15	7.698	952	954	957	rVV	87659	70902	7.37%	0.519%
16	7.733	957	960	965	rVB7	34599	47461	4.94%	0.348%
17	7.822	969	975	977	rBV3	29587	43502	4.52%	0.319%
18	7.863	977	982	985	rVB3	76938	96895	10.08%	0.710%
19	7.951	994	997	1000	rBV	301347	267039	27.77%	1.956%
20	8.028	1006	1010	1012	rBV2	39944	42939	4.47%	0.314%
21	8.057	1012	1015	1017	rVV	76172	64457	6.70%	0.472%
22	8.080	1017	1019	1022	rVB	54401	43887	4.56%	0.321%
23	8.222	1040	1043	1047	rVB	484134	445634	46.35%	3.264%
24	8.257	1047	1049	1053	rVB	142579	129415	13.46%	0.948%
25	8.298	1053	1056	1060	rVB2	58421	57622	5.99%	0.422%
26	8.363	1064	1067	1069	rBV	38225	26500	2.76%	0.194%
27	8.410	1073	1075	1080	rVB	123180	113532	11.81%	0.831%
28	8.457	1080	1083	1087	rBV2	104975	119995	12.48%	0.879%
29	8.498	1087	1090	1094	rVB3	76916	87611	9.11%	0.642%
30	8.598	1103	1107	1109	rBV2	46279	44966	4.68%	0.329%
31	8.622	1109	1111	1113	rVB	109446	74909	7.79%	0.549%
32	8.680	1119	1121	1125	rVB2	56076	45035	4.68%	0.330%
33	8.722	1125	1128	1130	rBV	113267	111127	11.56%	0.814%
34	8.775	1135	1137	1139	rBV2	33586	26736	2.78%	0.196%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111618\
Data File : BF110816.D
Acq On : 16 Nov 2018 15:03
Operator : JU/SJ
Sample : J5939-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OILY-WATER

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-BF110818.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	8.875	1150	1154	1158	rBV2	197781	198085	20.60%	1.451%
36	8.904	1158	1159	1162	rVB2	46731	32662	3.40%	0.239%
37	8.992	1170	1174	1175	rBV3	26466	28549	2.97%	0.209%
38	9.039	1179	1182	1184	rBV	189731	175990	18.30%	1.289%
39	9.110	1192	1194	1198	rBV3	42927	49814	5.18%	0.365%
40	9.157	1198	1202	1204	rVB3	55947	60382	6.28%	0.442%
41	9.180	1204	1206	1209	rBV2	53696	44333	4.61%	0.325%
42	9.222	1211	1213	1216	rBV2	156004	135939	14.14%	0.996%
43	9.292	1221	1225	1229	rBV	1202834	961484	100.00%	7.042%
44	9.357	1233	1236	1240	rBV3	53167	69644	7.24%	0.510%
45	9.445	1245	1251	1253	rVB2	84671	88652	9.22%	0.649%
46	9.475	1253	1256	1260	rBV3	47437	52409	5.45%	0.384%
47	9.563	1266	1271	1275	rBV4	43473	70779	7.36%	0.518%
48	9.633	1278	1283	1287	rVV2	103391	151247	15.73%	1.108%
49	9.680	1287	1291	1296	rVB3	182700	243600	25.34%	1.784%
50	9.757	1301	1304	1305	rBV2	39193	31156	3.24%	0.228%
51	9.833	1315	1317	1321	rBV3	28310	29178	3.03%	0.214%
52	9.886	1324	1326	1331	rVB3	35062	35805	3.72%	0.262%
53	9.980	1339	1342	1347	rVV	573955	481892	50.12%	3.529%
54	10.174	1373	1375	1379	rBV3	28579	32026	3.33%	0.235%
55	10.222	1379	1383	1389	rVB6	49889	73383	7.63%	0.537%
56	10.298	1392	1396	1399	rBV3	42097	58057	6.04%	0.425%
57	10.327	1399	1401	1406	rVB6	24205	28164	2.93%	0.206%
58	10.386	1408	1411	1413	rBV2	51156	44726	4.65%	0.328%
59	10.610	1445	1449	1452	rBV	93103	89594	9.32%	0.656%
60	10.774	1473	1477	1484	rBV	451366	461098	47.96%	3.377%
61	10.833	1485	1487	1490	rVV2	27279	34500	3.59%	0.253%
62	10.874	1490	1494	1503	rVB	117665	168631	17.54%	1.235%
63	10.957	1506	1508	1514	rVB5	19022	30826	3.21%	0.226%
64	11.016	1515	1518	1521	rBV	87046	67420	7.01%	0.494%
65	11.104	1531	1533	1537	rVB2	44476	35793	3.72%	0.262%
66	11.339	1571	1573	1576	rVB	40618	31943	3.32%	0.234%
67	11.474	1593	1596	1603	rVB	523942	516391	53.71%	3.782%
68	11.839	1655	1658	1660	rVB	49540	42314	4.40%	0.310%
69	11.904	1666	1669	1674	rVB2	34504	40869	4.25%	0.299%
70	11.974	1679	1681	1688	rVB3	34824	44790	4.66%	0.328%
71	12.257	1726	1729	1734	rBV2	68601	86876	9.04%	0.636%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111618\
Data File : BF110816.D
Acq On : 16 Nov 2018 15:03
Operator : JU/SJ
Sample : J5939-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OILY-WATER

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-BF110818.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	12.427	1754	1758	1762	rVB	111450	100382	10.44%	0.735%
73	12.480	1764	1767	1771	rVV	40468	34781	3.62%	0.255%
74	12.827	1823	1826	1828	rBV	38591	32310	3.36%	0.237%
75	13.057	1861	1865	1870	rVB	921604	784934	81.64%	5.749%
76	13.180	1882	1886	1889	rBV	26338	32327	3.36%	0.237%
77	13.504	1939	1941	1946	rVB	45417	46060	4.79%	0.337%
78	13.651	1963	1966	1969	rVB	111561	96521	10.04%	0.707%
79	13.933	2011	2014	2022	rVB	102182	132238	13.75%	0.968%
80	13.998	2022	2025	2030	rVB	38277	40230	4.18%	0.295%
81	14.039	2030	2032	2036	rBV3	23972	32632	3.39%	0.239%
82	14.127	2044	2047	2054	rVB	366369	375203	39.02%	2.748%
83	14.257	2066	2069	2073	rVB3	32151	39856	4.15%	0.292%
84	14.304	2074	2077	2081	rVB4	28074	35686	3.71%	0.261%
85	14.433	2097	2099	2104	rVB4	32271	31338	3.26%	0.230%
86	14.492	2105	2109	2111	rBV4	18917	26065	2.71%	0.191%
87	14.557	2117	2120	2124	rBV3	51287	51972	5.41%	0.381%
88	14.598	2124	2127	2133	rVV	52682	59850	6.22%	0.438%
89	14.739	2147	2151	2157	rVB2	101572	129123	13.43%	0.946%
90	14.868	2170	2173	2178	rVB	58782	60597	6.30%	0.444%
91	14.951	2184	2187	2191	rVB	39934	41885	4.36%	0.307%
92	15.092	2208	2211	2215	rVB	25193	27598	2.87%	0.202%
93	15.221	2229	2233	2237	rVB	62718	73812	7.68%	0.541%
94	15.615	2296	2300	2303	rBV2	60783	79296	8.25%	0.581%
95	15.656	2303	2307	2317	rVB	247733	350192	36.42%	2.565%
96	15.868	2338	2343	2348	rBV	32359	50014	5.20%	0.366%
97	16.074	2372	2378	2385	rBV3	107082	199172	20.72%	1.459%
98	16.598	2462	2467	2479	rVB6	35934	97406	10.13%	0.713%
99	17.874	2681	2684	2692	rVB2	19574	38768	4.03%	0.284%
100	18.239	2739	2746	2757	rVB3	47421	140945	14.66%	1.032%

Sum of corrected areas: 13653942

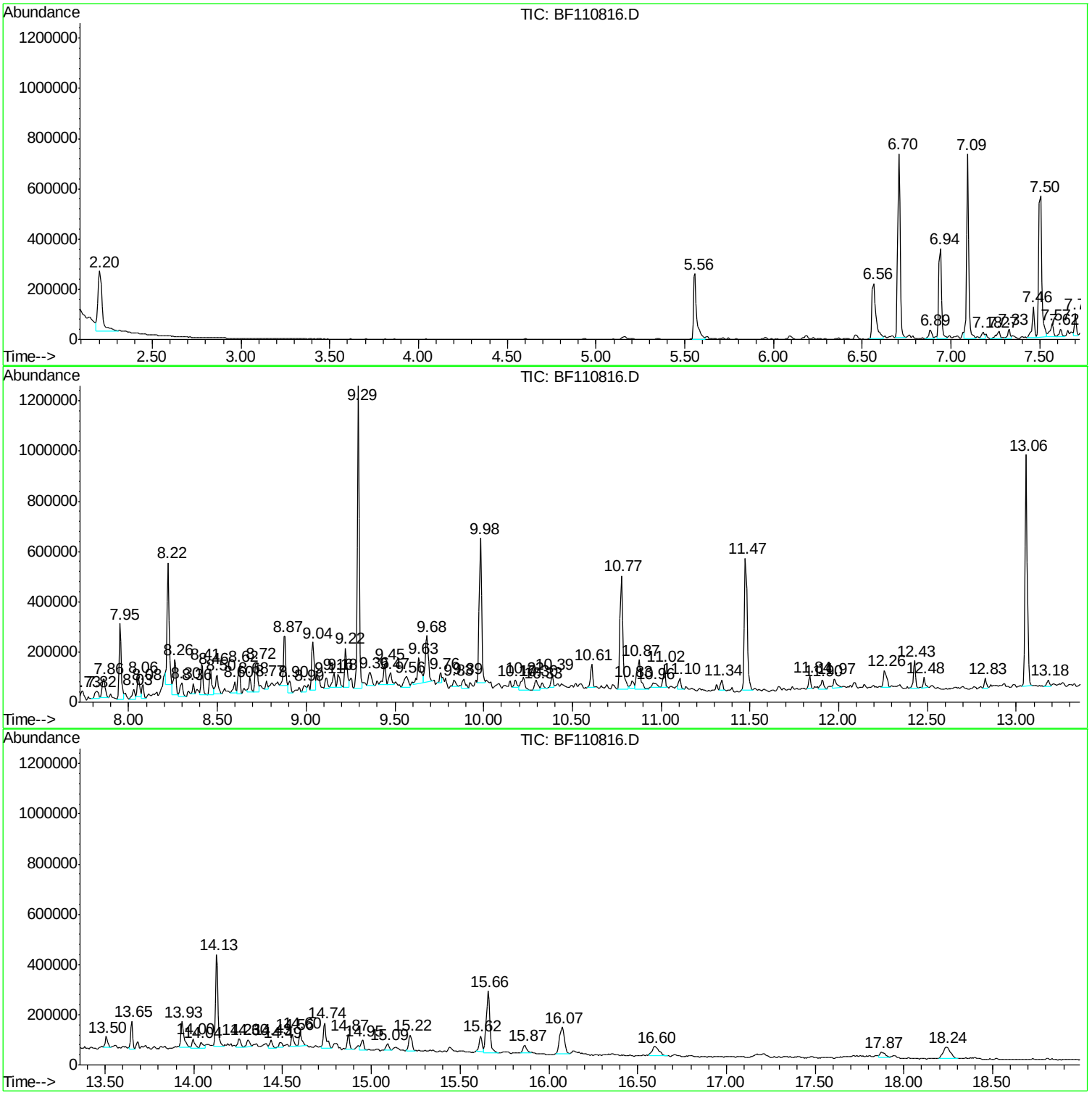
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111618\
Data File : BF110816.D
Acq On : 16 Nov 2018 15:03
Operator : JU/SJ
Sample : J5939-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OILY-WATER

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110818.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\BF111618\
Data File : BF110816.D
Acq On : 16 Nov 2018 15:03
Operator : JU/SJ
Sample : J5939-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OILY-WATER

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

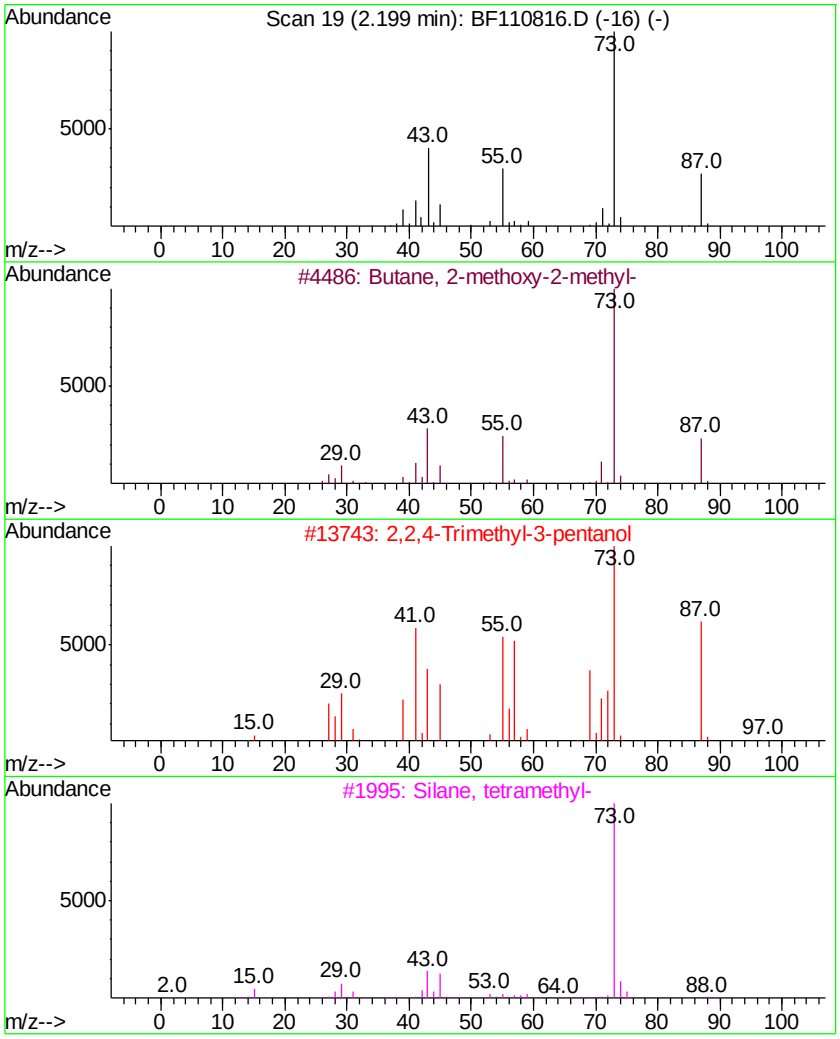
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

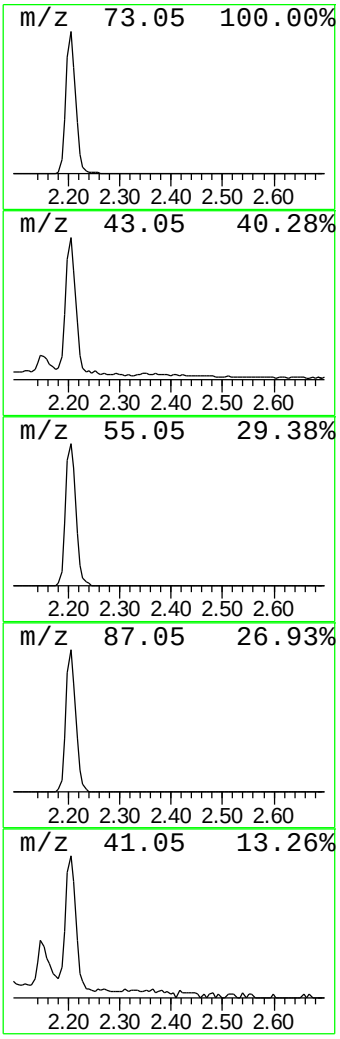
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.20	21.99 ng	372254	1,4-Dichlorobenzene-d4	6.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3	Silane, tetramethyl-	88	C4H12Si	000075-76-3	35
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	12
5	Borane, dimethoxy-	74	C2H7BO2	004542-61-4	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111618\
Data File : BF110816.D
Acq On : 16 Nov 2018 15:03
Operator : JU/SJ
Sample : J5939-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OILY-WATER

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

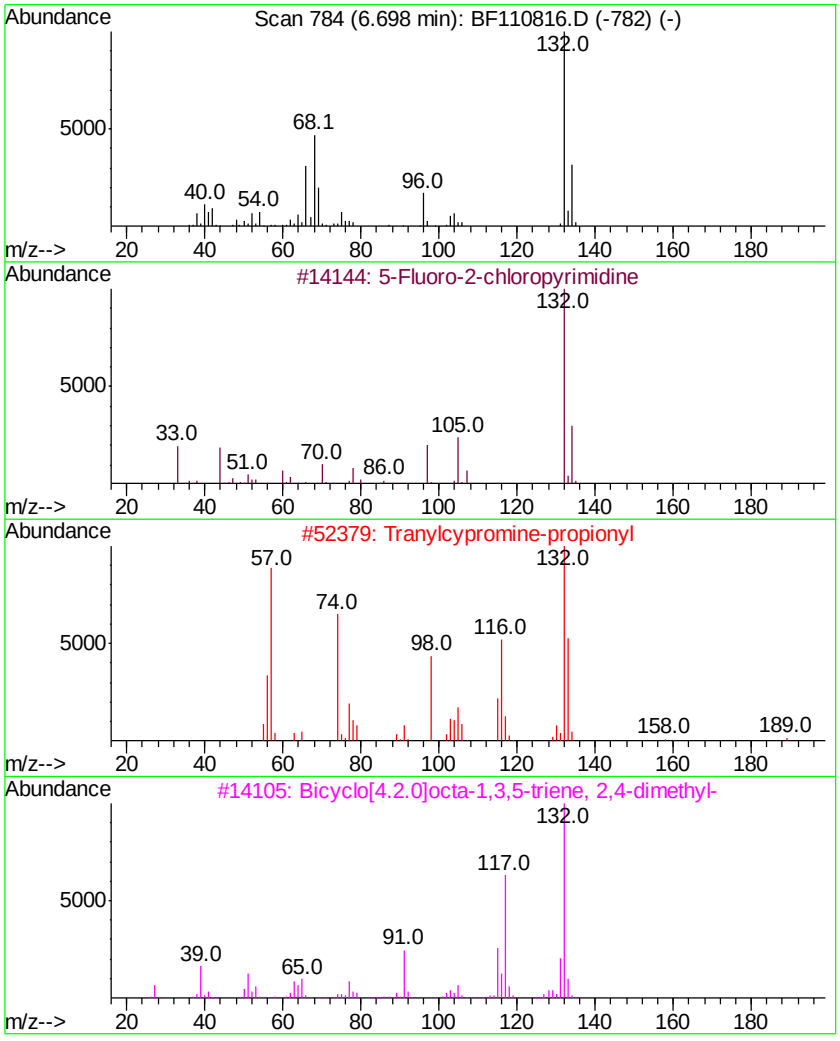
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

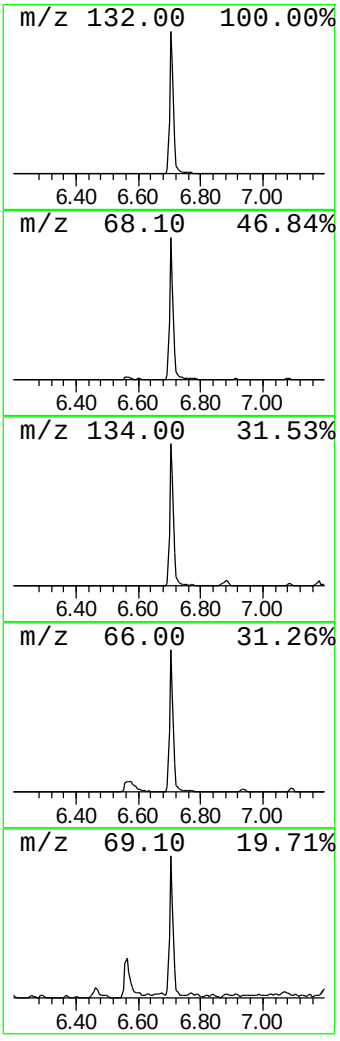
****

Peak Number 2 unknown6.70 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.70	37.39 ng	632897	1,4-Dichlorobenzene-d4	6.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12
2	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
3	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
4	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9
5	1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111618\
Data File : BF110816.D
Acq On : 16 Nov 2018 15:03
Operator : JU/SJ
Sample : J5939-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OILY-WATER

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

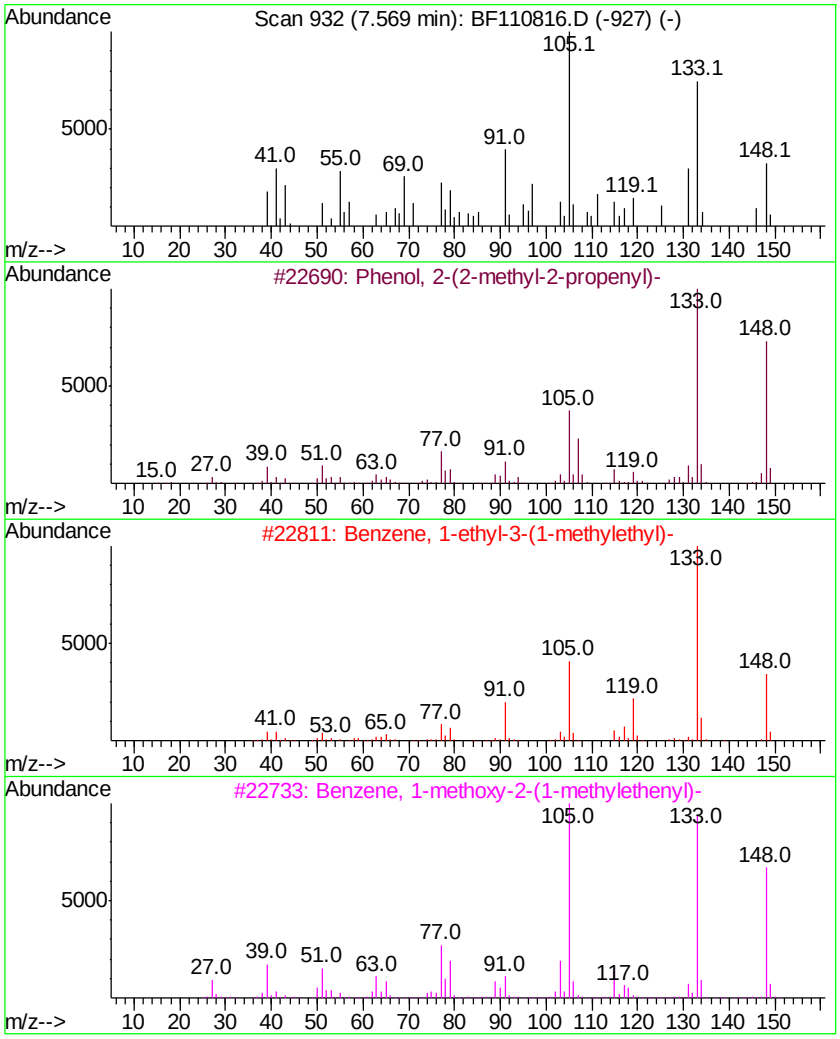
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

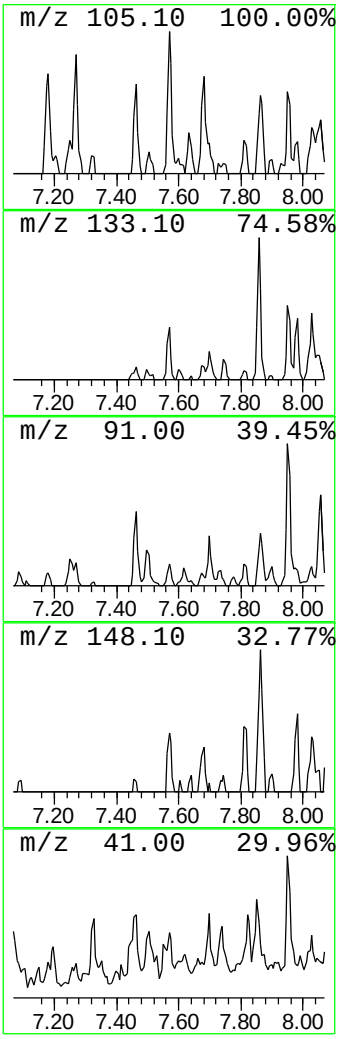
****

Peak Number 4 Phenol, 2-(2-methyl-2-prope... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.57	4.27 ng	72207	1,4-Dichlorobenzene-d4	6.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 2-(2-methyl-2-propenyl)-	148	C10H12O	020944-88-1	60
2	Benzene, 1-ethyl-3-(1-methylethyl)-	148	C11H16	004920-99-4	60
3	Benzene, 1-methoxy-2-(1-methylet...	148	C10H12O	010278-02-1	53
4	2-tert-Butyltoluene	148	C11H16	001074-92-6	53
5	Ethanone, 1-(3,4-dimethylphenyl)-	148	C10H12O	003637-01-2	50





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111618\
Data File : BF110816.D
Acq On : 16 Nov 2018 15:03
Operator : JU/SJ
Sample : J5939-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OILY-WATER

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

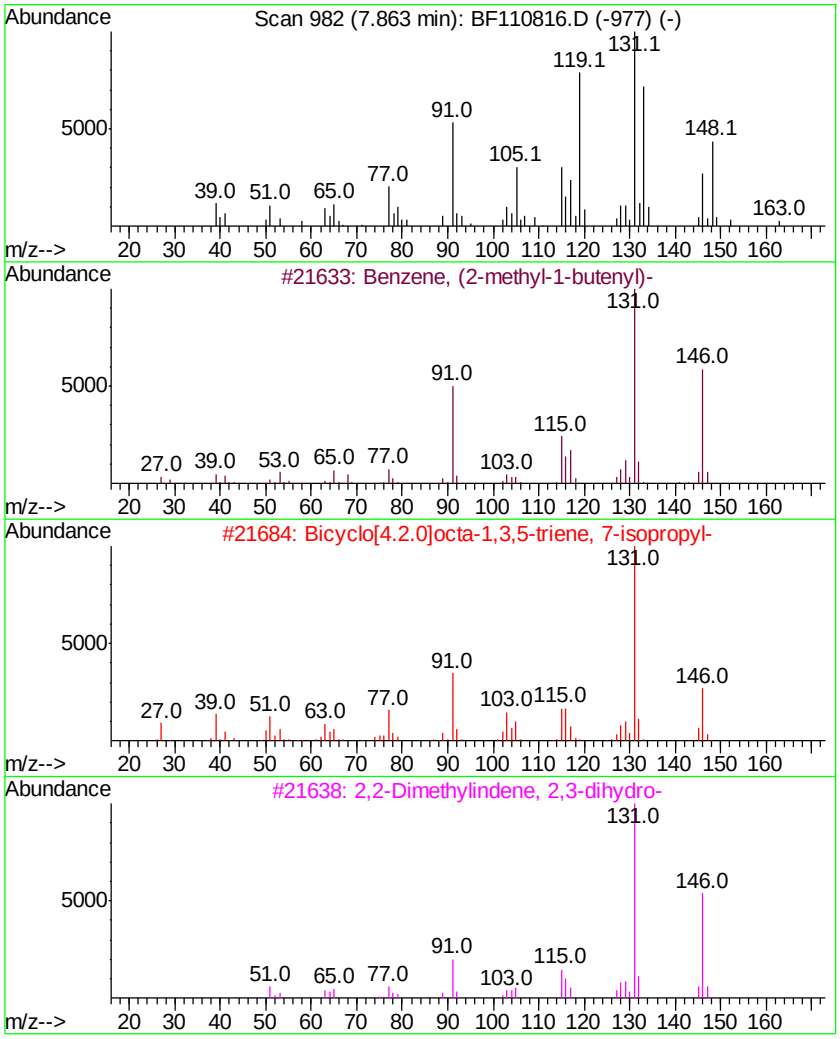
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

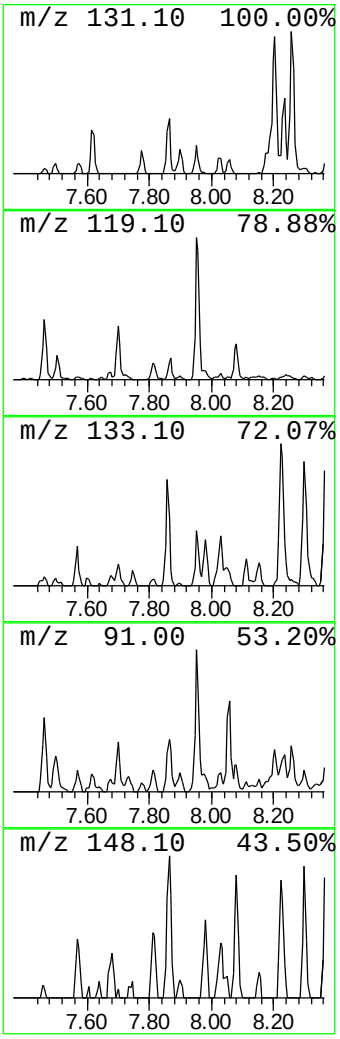
****

Peak Number 5 Benzene, (2-methyl-1-butenyl)- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.86	4.35 ng	96895	Naphthalene-d8	8.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	87
2	Bicyclo[4.2.0]octa-1,3,5-triene,...	146	C11H14	027087-54-3	83
3	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	80
4	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	55
5	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	55





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111618\
Data File : BF110816.D
Acq On : 16 Nov 2018 15:03
Operator : JU/SJ
Sample : J5939-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OILY-WATER

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

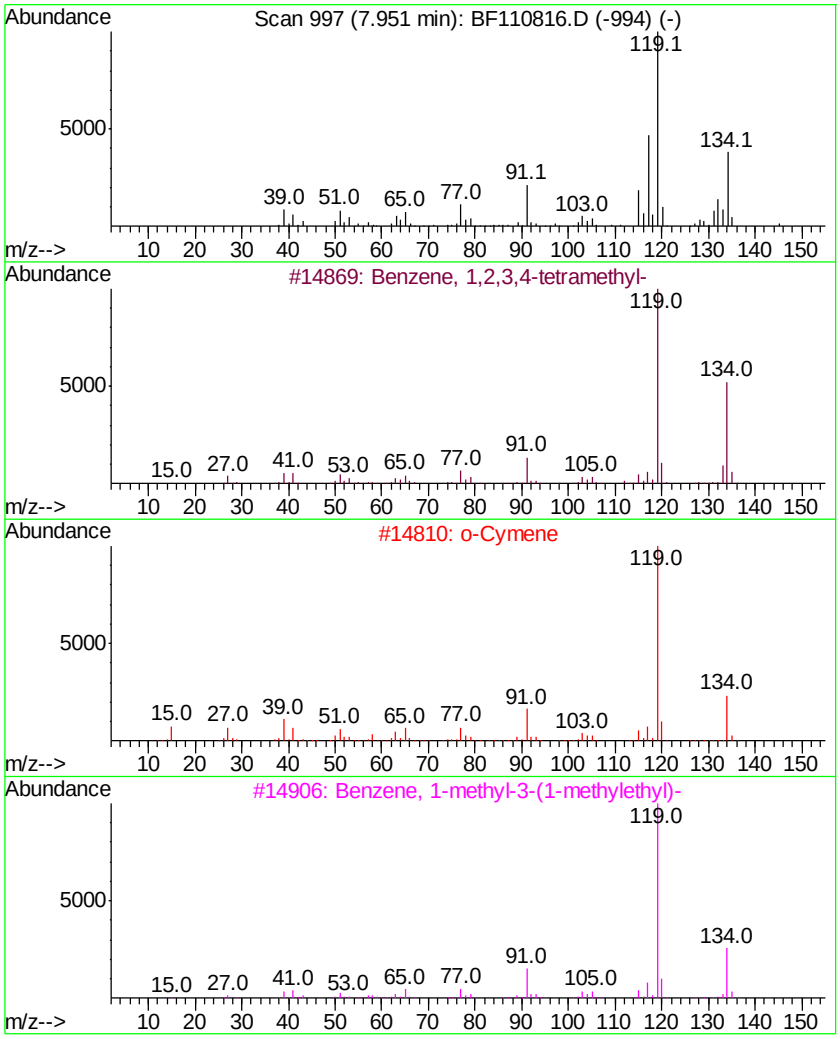
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

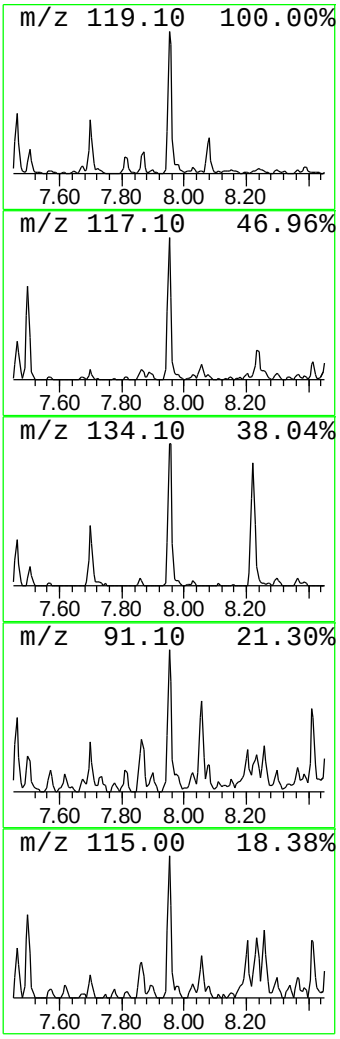
****

Peak Number 6 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.95	11.98 ng	267039	Naphthalene-d8	8.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	64
2	o-Cymene	134	C10H14	000527-84-4	64
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	64
4	p-Cymene	134	C10H14	000099-87-6	64
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	64





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111618\
Data File : BF110816.D
Acq On : 16 Nov 2018 15:03
Operator : JU/SJ
Sample : J5939-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OILY-WATER

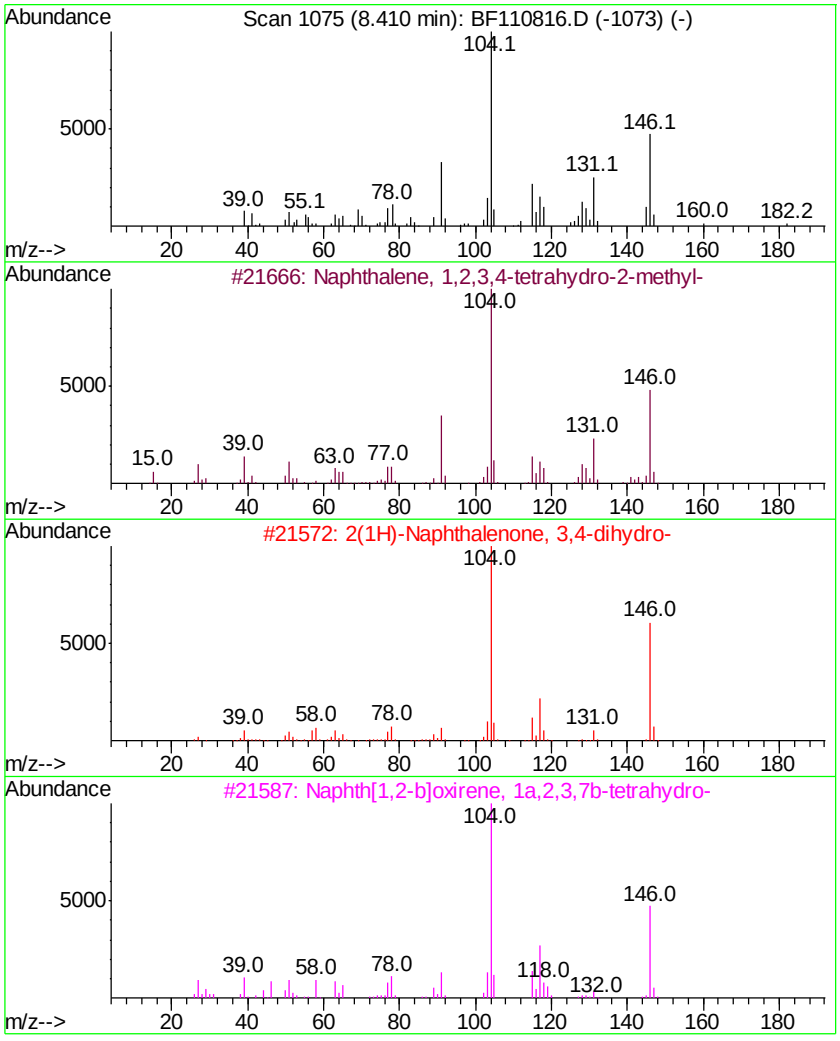
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

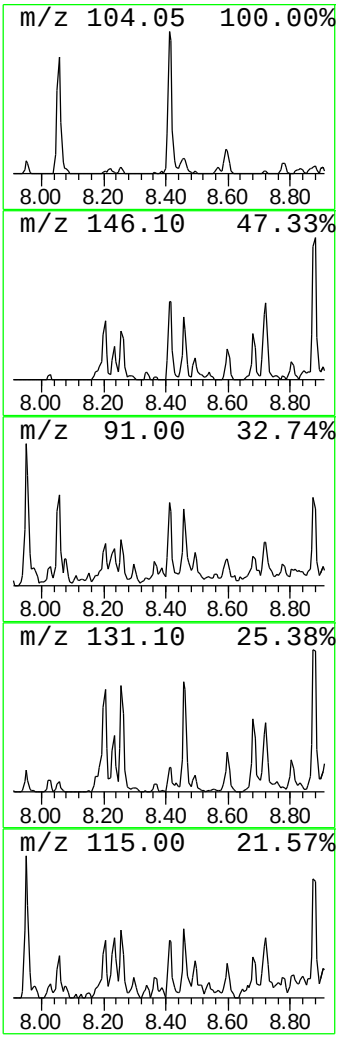
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.41	5.10 ng	113532	Naphthalene-d8	8.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	003877-19-8	91
2	2(1H)-Naphthalenone, 3,4-dihydro-	146	C10H10O	000530-93-8	58
3	Naphth[1,2-b]oxirene, 1a,2,3,7b-...	146	C10H10O	002461-34-9	52
4	2-Methylbenzyl cyanide	131	C9H9N	022364-68-7	50
5	4H-Pyran-4-one 2,3-dihydro-2-phe...	174	C11H10O2	1000163-21-2	38





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111618\
Data File : BF110816.D
Acq On : 16 Nov 2018 15:03
Operator : JU/SJ
Sample : J5939-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OILY-WATER

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

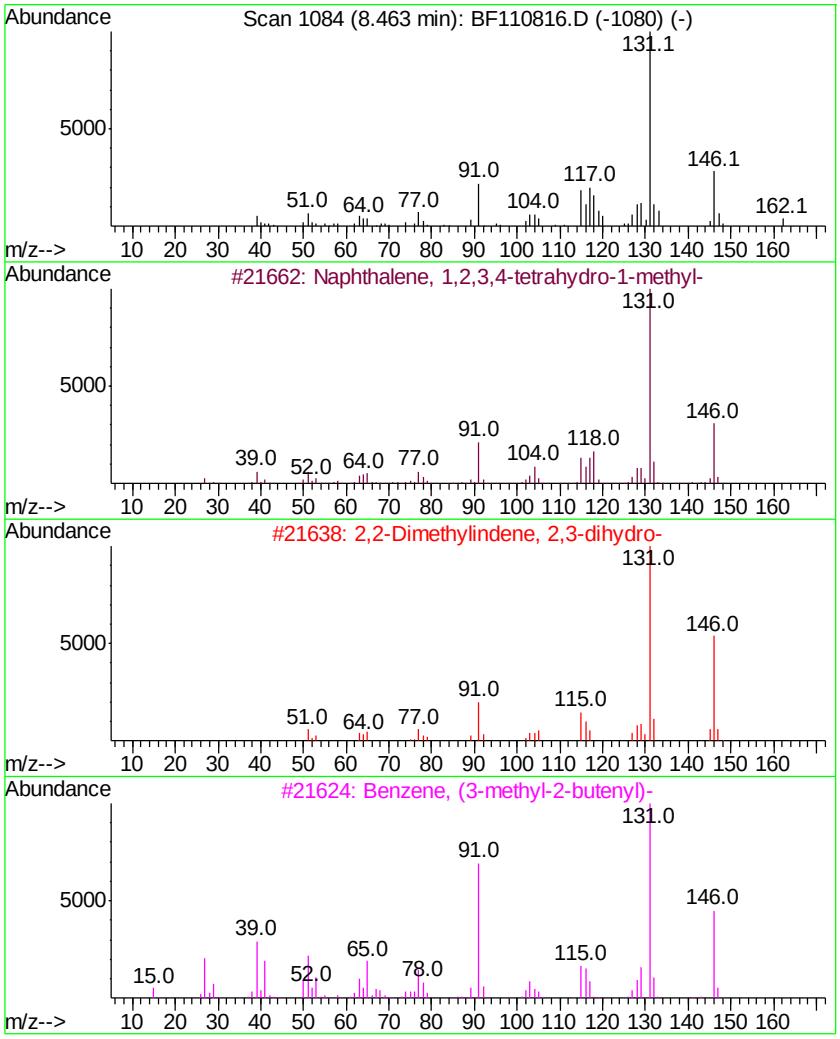
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

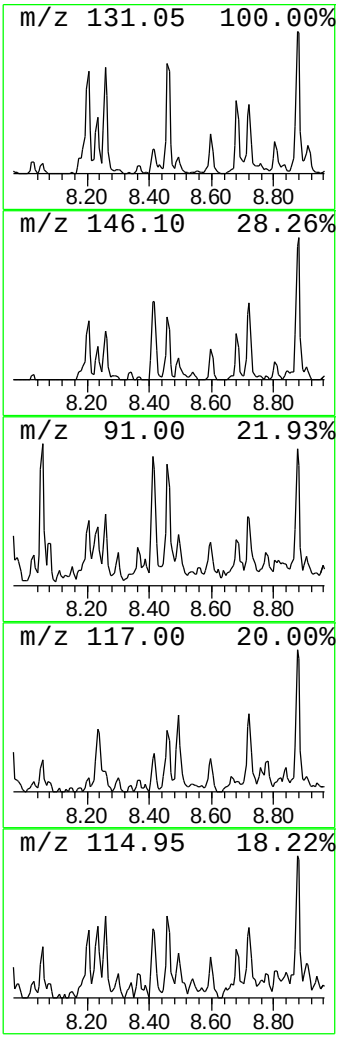
****

Peak Number 8 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.46	5.39 ng	119995	Naphthalene-d8	8.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	94
2	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	91
3	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	90
4	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	87
5	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	87





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111618\
Data File : BF110816.D
Acq On : 16 Nov 2018 15:03
Operator : JU/SJ
Sample : J5939-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OILY-WATER

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

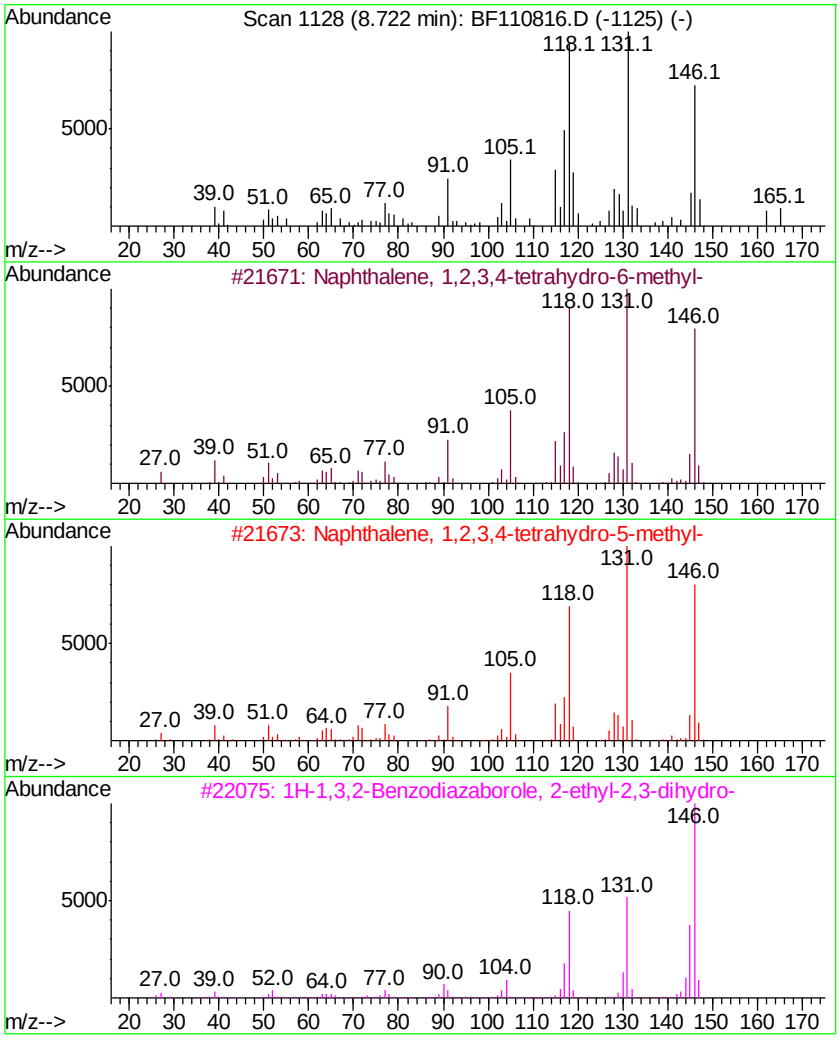
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

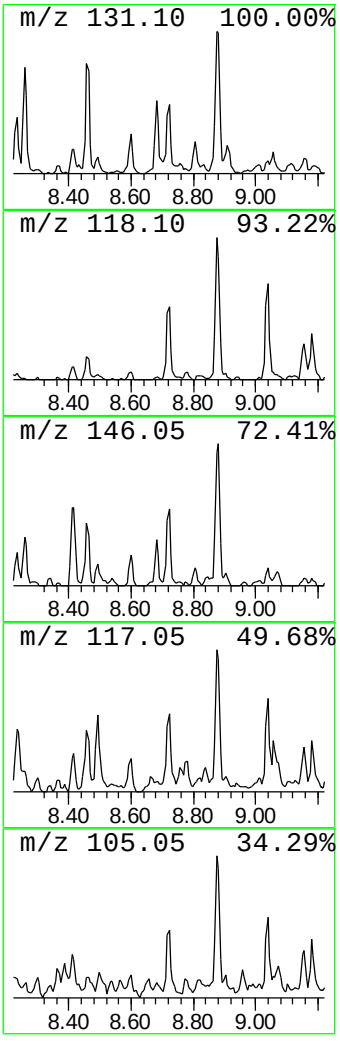
****

Peak Number 9 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.72	4.99 ng	111127	Naphthalene-d8	8.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	97
2	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	96
3	1H-1,3,2-Benzodiazaborole, 2-eth...	146	C8H11BN2	074663-81-3	76
4	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	64
5	Benzene, 2-ethenyl-1,3,5-trimethyl-	146	C11H14	000769-25-5	50





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111618\
Data File : BF110816.D
Acq On : 16 Nov 2018 15:03
Operator : JU/SJ
Sample : J5939-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OILY-WATER

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

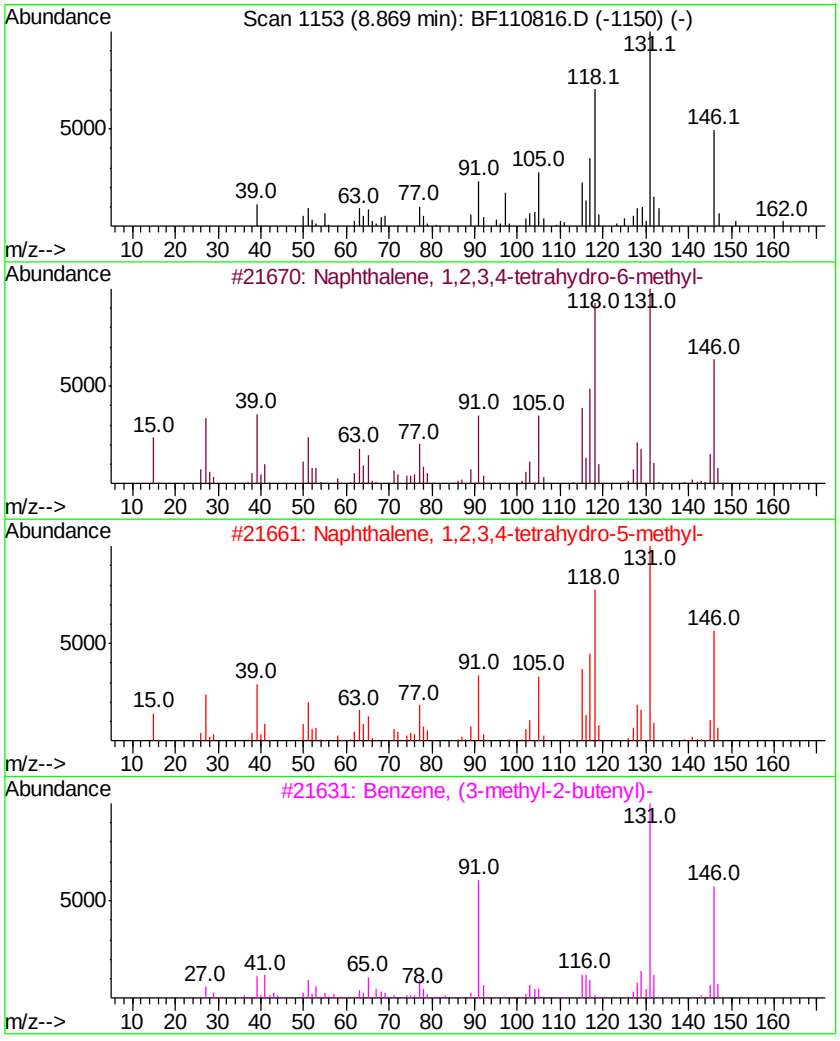
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

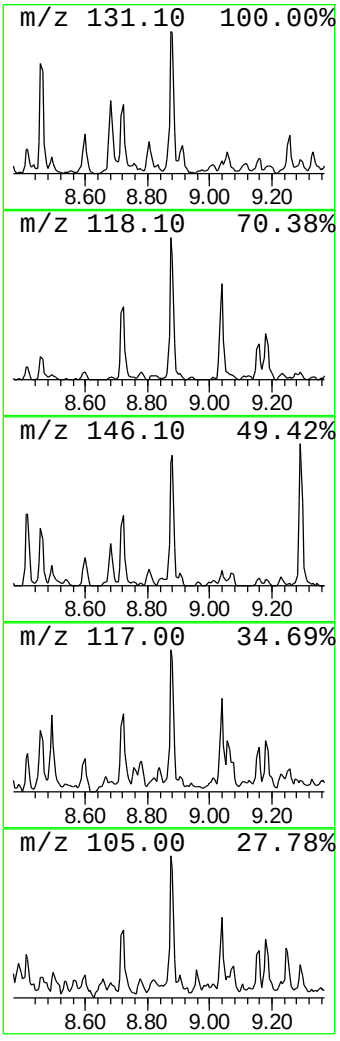
****

Peak Number 10 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.87	8.89 ng	198085	Naphthalene-d8	8.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	96
2	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	95
3	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	87
4	Benzene, (1-ethyl-2-propenyl)-	146	C11H14	019947-22-9	81
5	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	55





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111618\
Data File : BF110816.D
Acq On : 16 Nov 2018 15:03
Operator : JU/SJ
Sample : J5939-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OILY-WATER

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

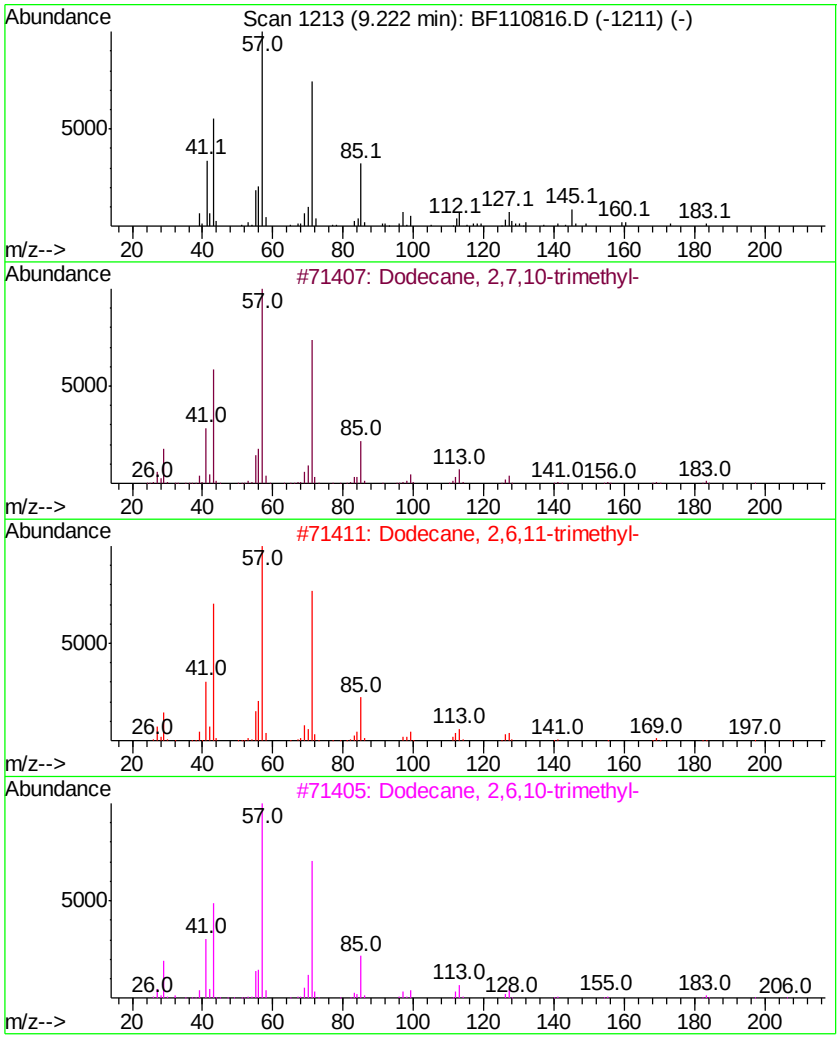
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

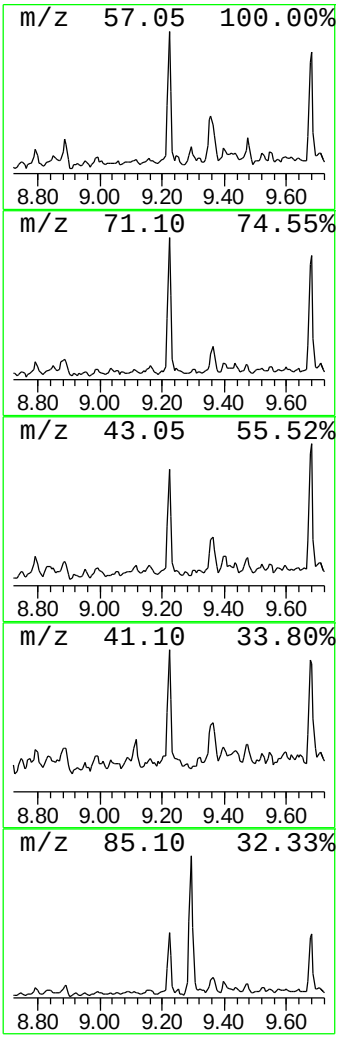
****

Peak Number 11 Dodecane, 2,7,10-trimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.22	5.64 ng	135939	Acenaphthene-d10	9.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	87
2	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	86
3	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	64
4	Undecane, 6,6-dimethyl-	184	C13H28	017312-76-4	59
5	Octane, 2-methyl-	128	C9H20	003221-61-2	53





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111618\
Data File : BF110816.D
Acq On : 16 Nov 2018 15:03
Operator : JU/SJ
Sample : J5939-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OILY-WATER

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

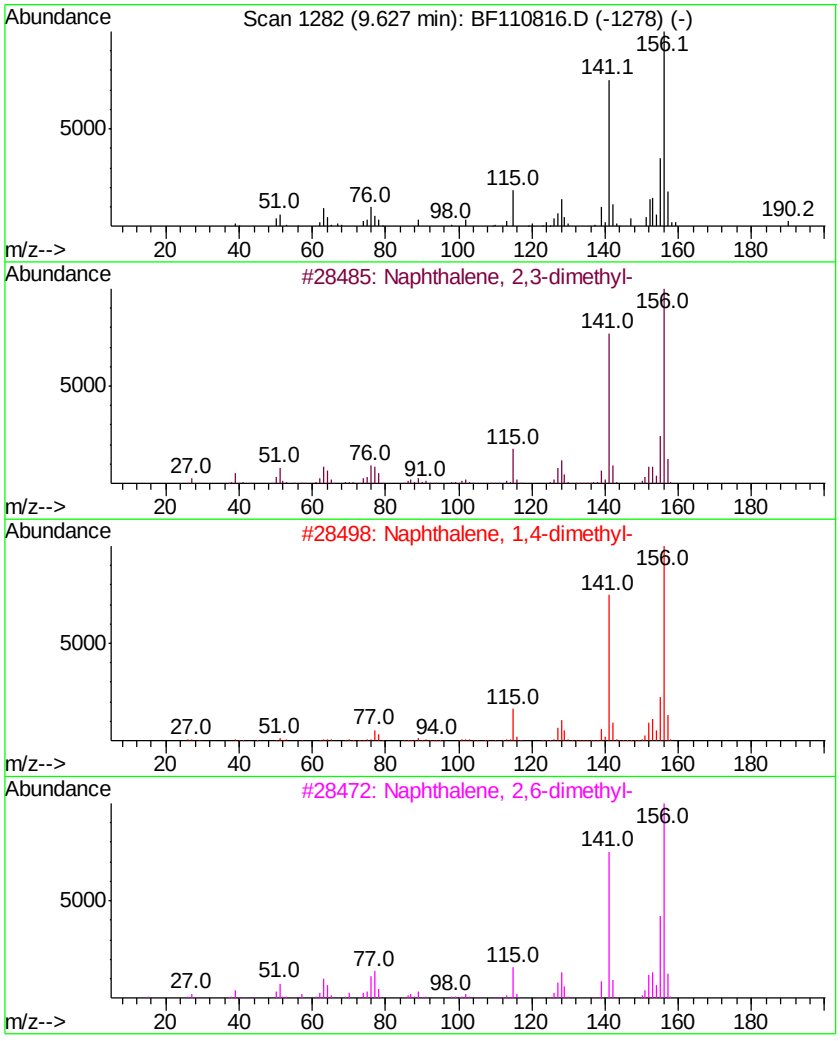
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

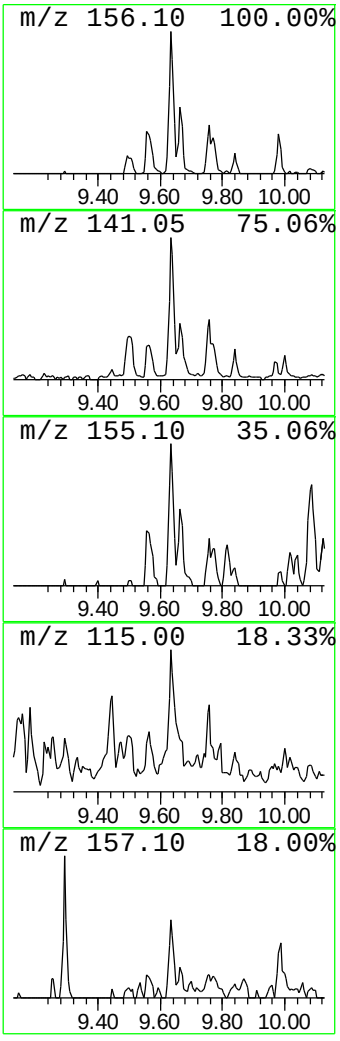
****

Peak Number 12 Naphthalene, 2,3-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.63	6.28 ng	151247	Acenaphthene-d10	9.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	95





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111618\
Data File : BF110816.D
Acq On : 16 Nov 2018 15:03
Operator : JU/SJ
Sample : J5939-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OILY-WATER

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

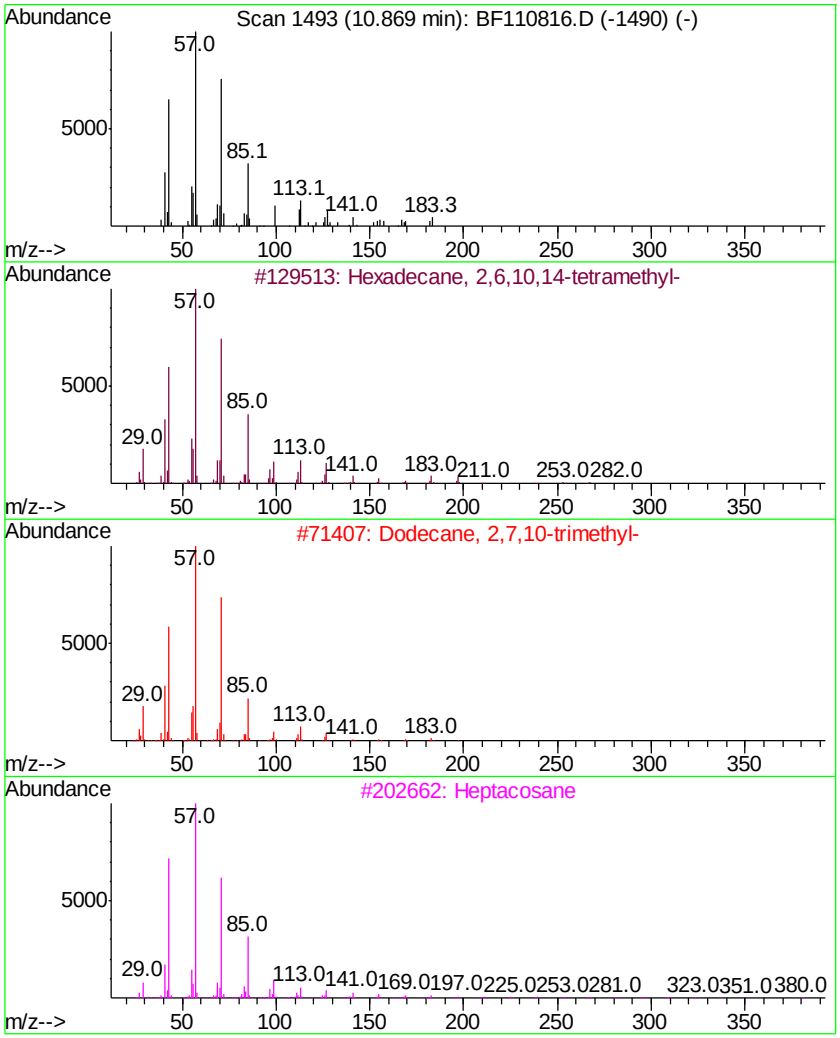
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

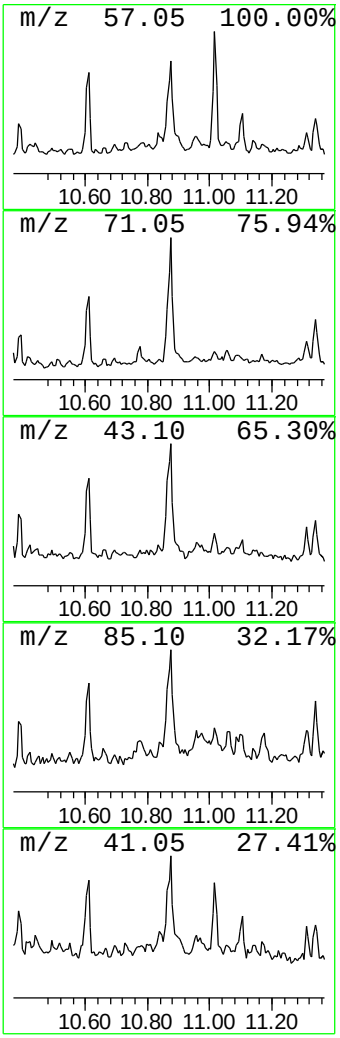
****

Peak Number 13 Hexadecane, 2,6,10,14-tetra... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.87	6.53 ng	168631	Phenanthrene-d10	11.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	91
2	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	80
3	Heptacosane	380	C27H56	000593-49-7	72
4	Nonane, 2-methyl-5-propyl-	184	C13H28	031081-17-1	72
5	Octane, 2-methyl-	128	C9H20	003221-61-2	72





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111618\
Data File : BF110816.D
Acq On : 16 Nov 2018 15:03
Operator : JU/SJ
Sample : J5939-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OILY-WATER

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

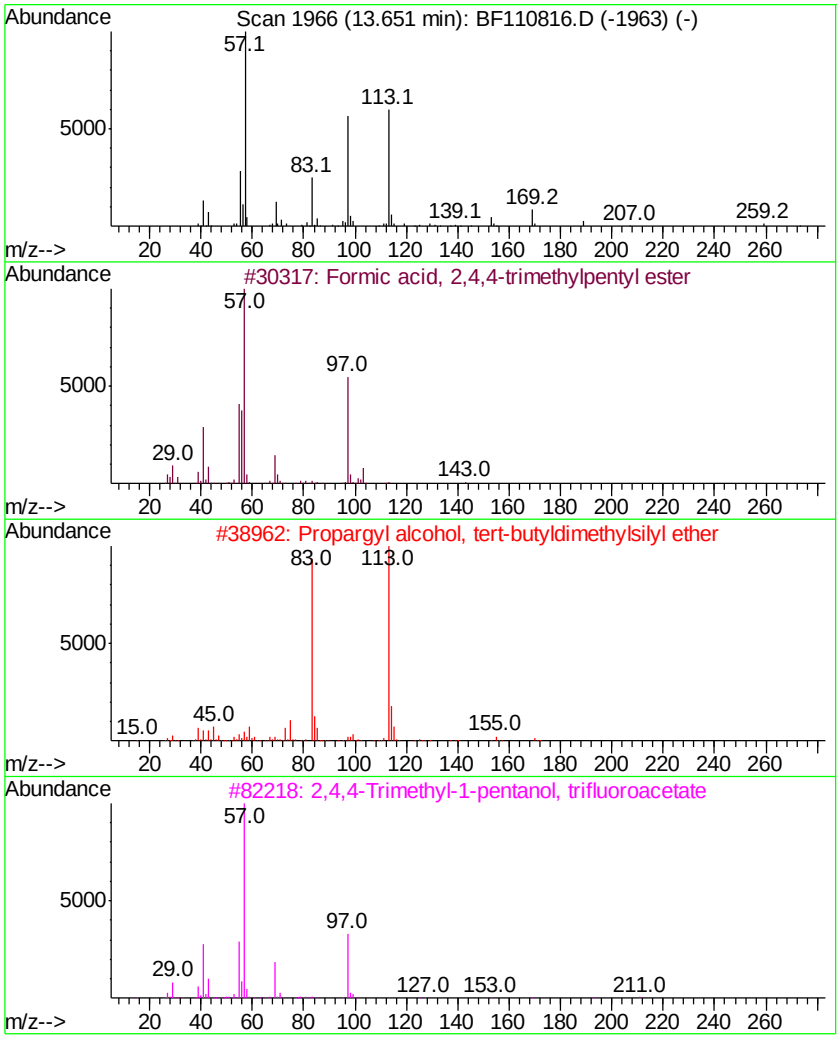
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

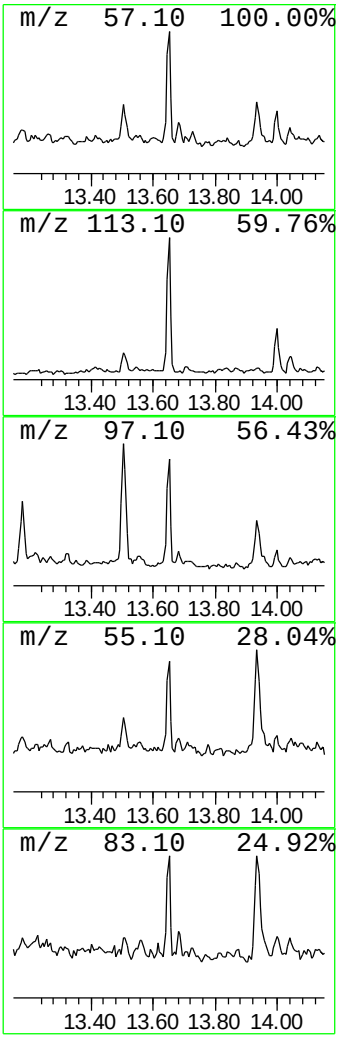
****

Peak Number 14 unknown13.65 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.65	5.15 ng	96521	Chrysene-d12	14.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Formic acid, 2,4,4-trimethylpent...	158	C9H18O2	1000368-95-2	25
2	Propargyl alcohol, tert-butyldim...	170	C9H18OSi	1000333-04-2	25
3	2,4,4-Trimethyl-1-pentanol, trif...	226	C10H17F3O2	1000365-19-5	25
4	Cyclopentanecarboxylic acid, 4-h...	338	C22H42O2	1000282-77-5	16
5	2,3-Dimethyl-isoxazol-5(2H)-one	113	C5H7NO2	007713-67-9	14





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111618\
Data File : BF110816.D
Acq On : 16 Nov 2018 15:03
Operator : JU/SJ
Sample : J5939-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OILY-WATER

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

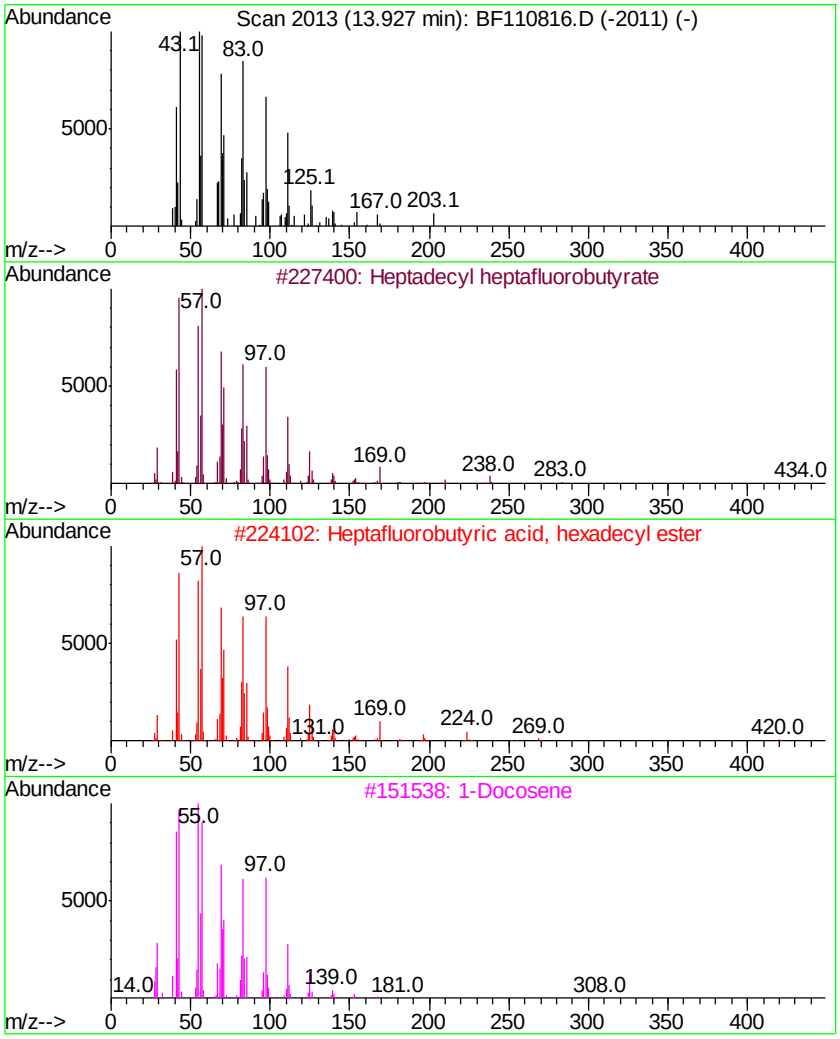
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

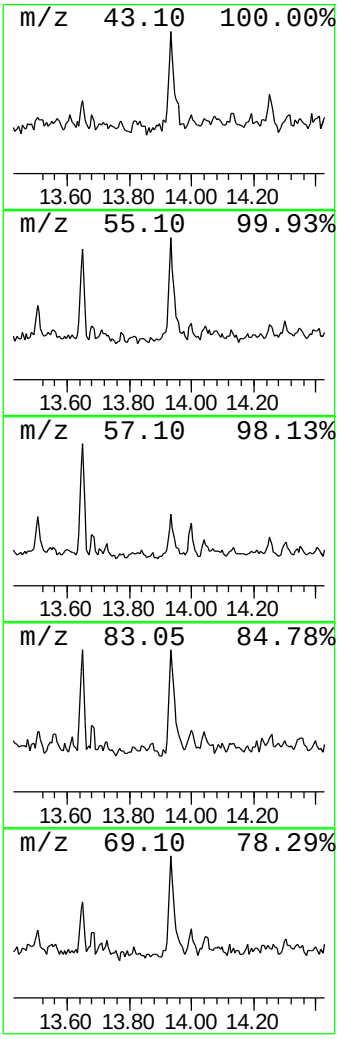
****

Peak Number 15 Heptadecyl heptafluorobutyrate Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.93	7.05 ng	132238	Chrysene-d12	14.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	94
2	Heptafluorobutyric acid, hexadec...	438	C20H33F7O2	006385-15-5	94
3	1-Docosene	308	C22H44	001599-67-3	91
4	Heptadecyl trifluoroacetate	352	C19H35F3O2	1000351-87-0	91
5	Octadecyl trifluoroacetate	366	C20H37F3O2	079392-43-1	91





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111618\
Data File : BF110816.D
Acq On : 16 Nov 2018 15:03
Operator : JU/SJ
Sample : J5939-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OILY-WATER

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

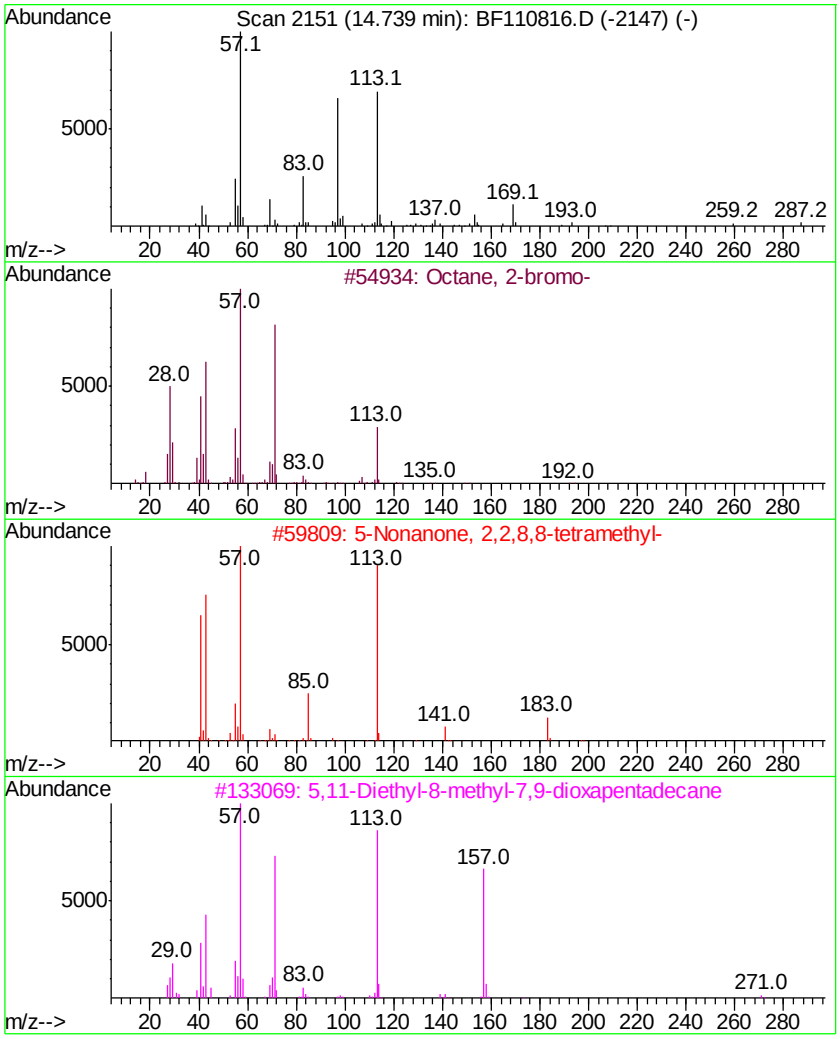
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

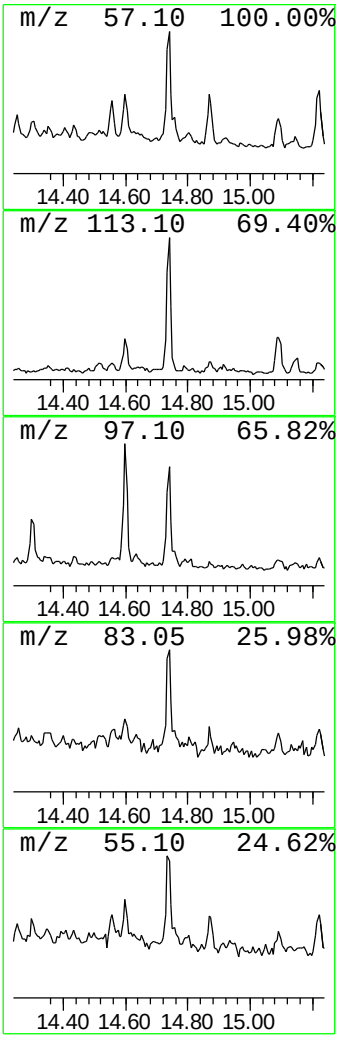
****

Peak Number 16 unknown14.74 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.74	6.88 ng	129123	Chrysene-d12	14.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2-bromo-	192	C8H17Br	000557-35-7	35
2	5-Nonanone, 2,2,8,8-tetramethyl-	198	C13H26O	005709-95-5	27
3	5,11-Diethyl-8-methyl-7,9-dioxap...	286	C18H38O2	1000334-83-1	25
4	Pyrazole, 3-nitro-	113	C3H3N3O2	026621-44-3	25
5	Silane, dichlorocyclohexylmethyl-	196	C7H14Cl2Si	005578-42-7	18





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111618\
Data File : BF110816.D
Acq On : 16 Nov 2018 15:03
Operator : JU/SJ
Sample : J5939-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OILY-WATER

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

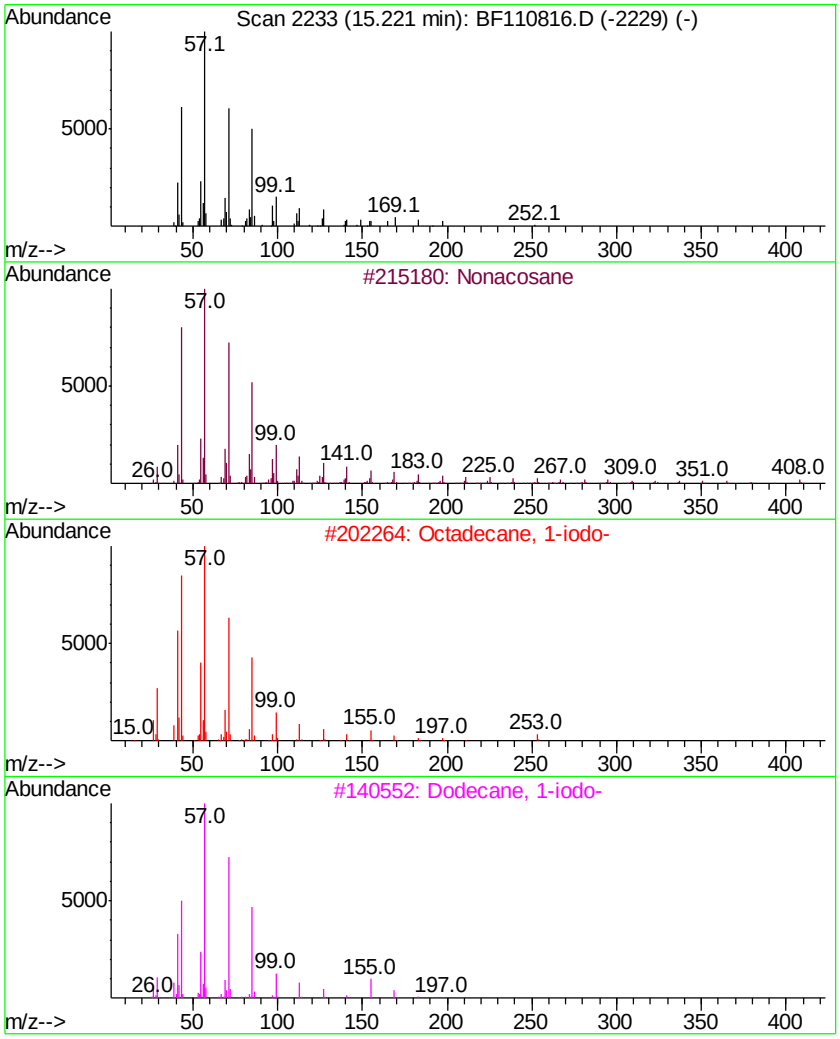
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

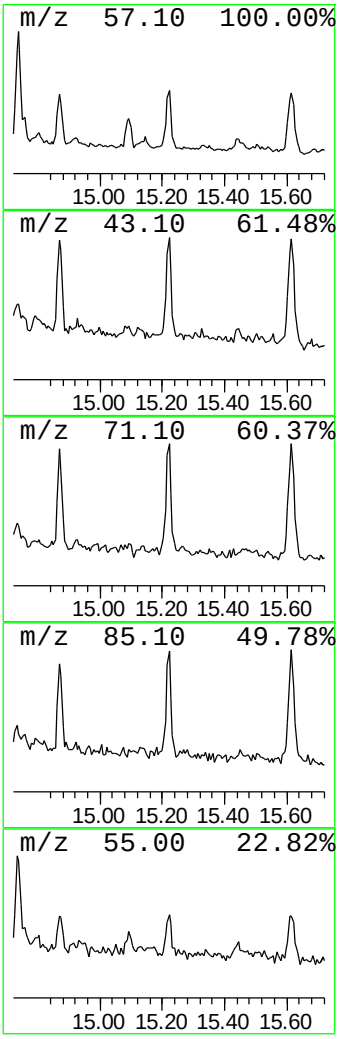
****

Peak Number 17 Nonacosane Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.22	4.22 ng	73812	Perylene-d12	15.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonacosane	408	C29H60	000630-03-5	90
2	Octadecane, 1-iodo-	380	C18H37I	000629-93-6	86
3	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	80
4	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	80
5	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	72





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111618\
Data File : BF110816.D
Acq On : 16 Nov 2018 15:03
Operator : JU/SJ
Sample : J5939-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OILY-WATER

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

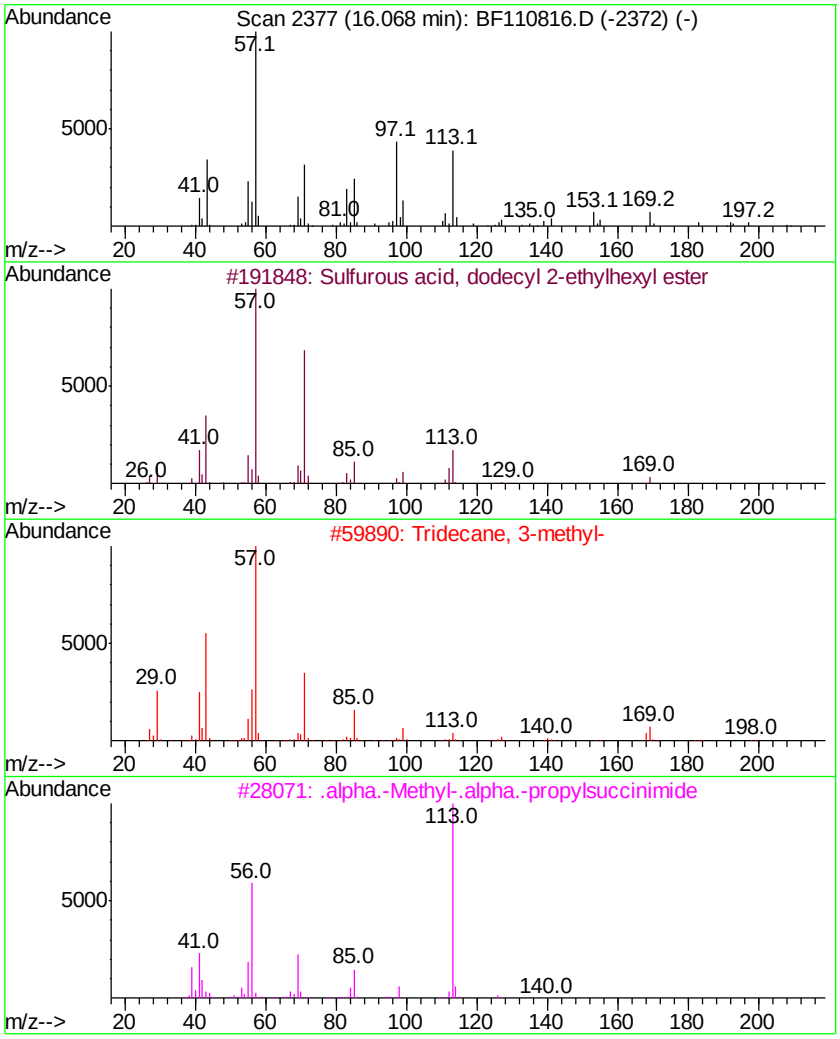
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

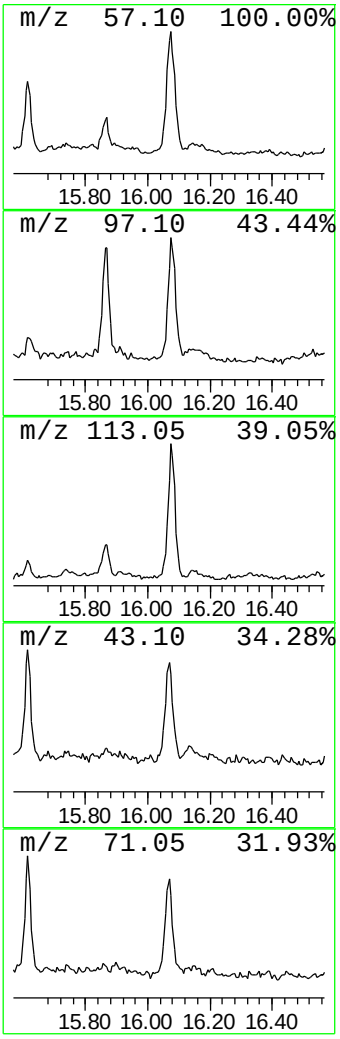
****

Peak Number 18 unknown16.07 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.07	11.38 ng	199172	Perylene-d12	15.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfurous acid, dodecyl 2-ethylh...	362	C20H42O3S	1000309-19-5	27
2	Tridecane, 3-methyl-	198	C14H30	006418-41-3	22
3	.alpha.-Methyl-.alpha.-propylsuc...	155	C8H13NO2	001497-19-4	14
4	Hentriacontane	437	C31H64	000630-04-6	14
5	Heneicosane	296	C21H44	000629-94-7	14





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111618\
Data File : BF110816.D
Acq On : 16 Nov 2018 15:03
Operator : JU/SJ
Sample : J5939-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OILY-WATER

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

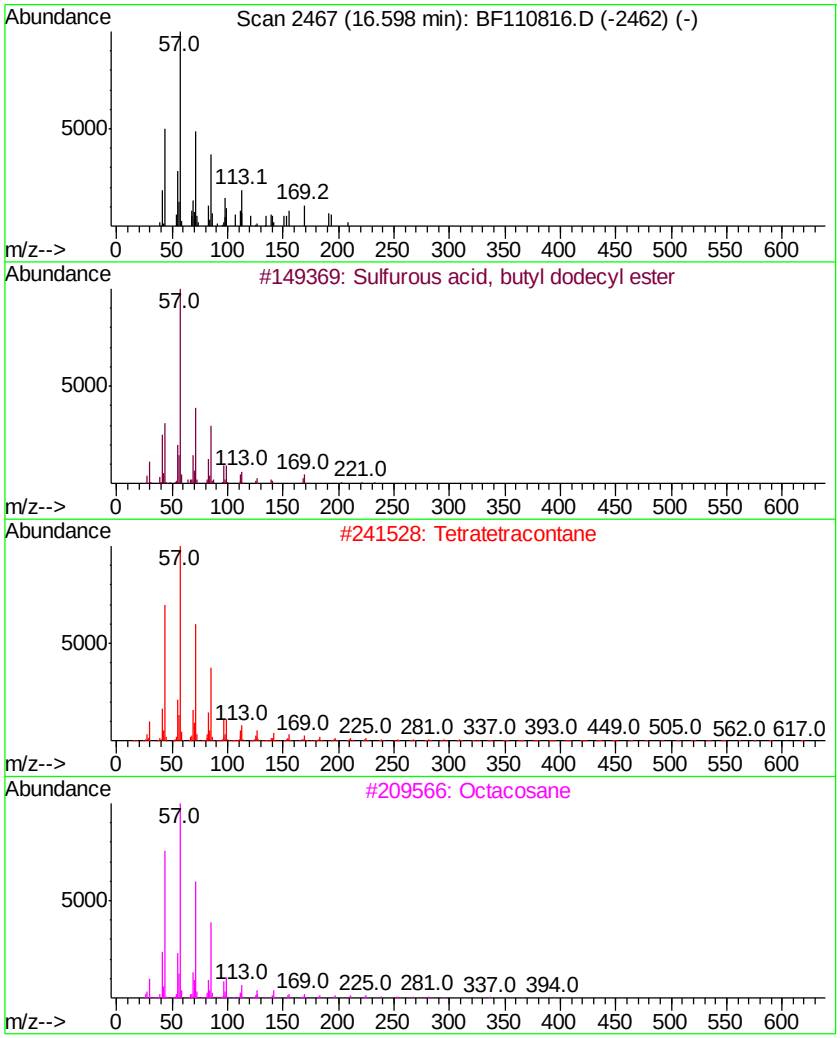
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

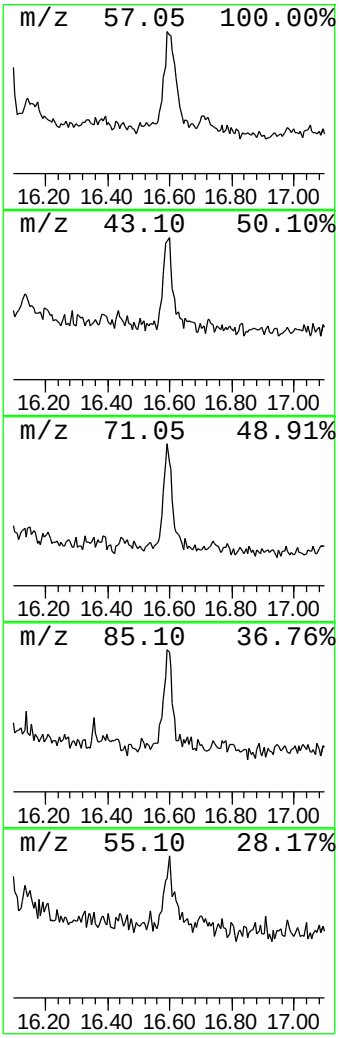
****

Peak Number 19 Sulfurous acid, butyl dodec... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.60	5.56 ng	97406	Perylene-d12	15.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfurous acid, butyl dodecyl ester	306	C16H34O3S	1000309-17-9	72
2	Tetratetracontane	619	C44H90	007098-22-8	64
3	Octacosane	394	C28H58	000630-02-4	64
4	Decane, 2,4,6-trimethyl-	184	C13H28	062108-27-4	53
5	Tetradecane, 1-iodo-	324	C14H29I	019218-94-1	53





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111618\
Data File : BF110816.D
Acq On : 16 Nov 2018 15:03
Operator : JU/SJ
Sample : J5939-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OILY-WATER

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

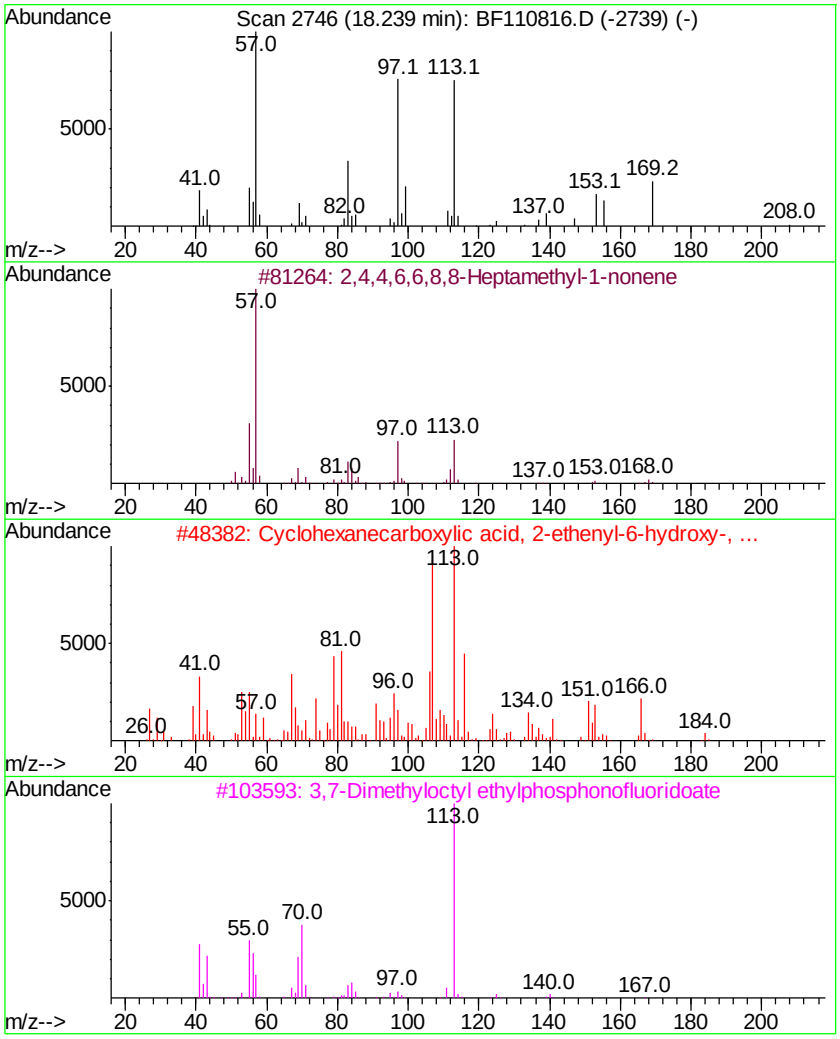
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

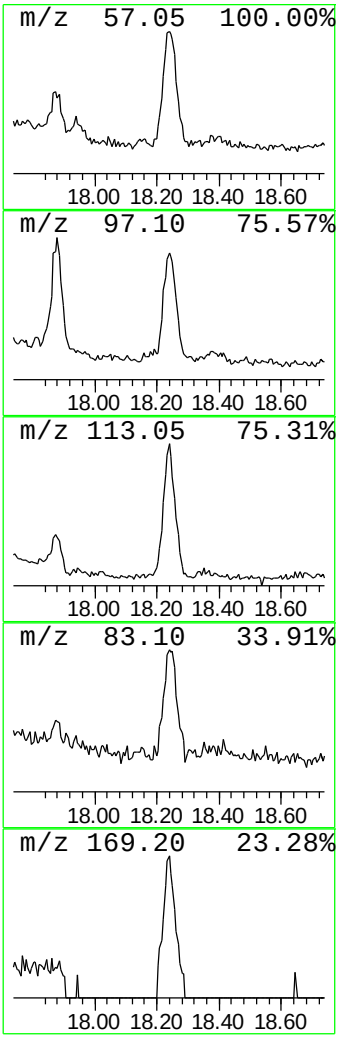
****

Peak Number 20 unknown18.24 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.24	8.05 ng	140945	Perylene-d12	15.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,4,6,6,8,8-Heptamethyl-1-nonene	224	C16H32	015796-04-0	45
2	Cyclohexanecarboxylic acid, 2-et...	184	C10H16O3	113122-03-5	30
3	3,7-Dimethyloctyl ethylphosphono...	252	C12H26FO2P	1000298-33-6	22
4	Ethanone, 1-(2-ethyl-4-methyl-1,...	156	C7H13BO3	074646-02-9	16
5	2-Thiophenemethanamine	113	C5H7NS	027757-85-3	16





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF111618\
Data File : BF110816.D
Acq On : 16 Nov 2018 15:03
Operator : JU/SJ
Sample : J5939-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OILY-WATER

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110818.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
Butane, 2-methoxy...	2.20	22.0	ng	372254	1	6.94	338581	20.0
unknown6.70	6.70	37.4	ng	632897	1	6.94	338581	20.0
Phenol, 2-(2-meth...	7.57	4.3	ng	72207	1	6.94	338581	20.0
Benzene, (2-methy...	7.86	4.3	ng	96895	2	8.22	445634	20.0
Benzene, 1,2,3,4-...	7.95	12.0	ng	267039	2	8.22	445634	20.0
Naphthalene, 1,2,...	8.41	5.1	ng	113532	2	8.22	445634	20.0
Naphthalene, 1,2,...	8.46	5.4	ng	119995	2	8.22	445634	20.0
Naphthalene, 1,2,...	8.72	5.0	ng	111127	2	8.22	445634	20.0
Naphthalene, 1,2,...	8.87	8.9	ng	198085	2	8.22	445634	20.0
Dodecane, 2,7,10-...	9.22	5.6	ng	135939	3	9.98	481892	20.0
Naphthalene, 2,3-...	9.63	6.3	ng	151247	3	9.98	481892	20.0
Hexadecane, 2,6,1...	10.87	6.5	ng	168631	4	11.47	516391	20.0
unknown13.65	13.65	5.2	ng	96521	5	14.13	375203	20.0
Heptadecyl heptaf...	13.93	7.0	ng	132238	5	14.13	375203	20.0
unknown14.74	14.74	6.9	ng	129123	5	14.13	375203	20.0
Nonacosane	15.22	4.2	ng	73812	6	15.66	350192	20.0
unknown16.07	16.07	11.4	ng	199172	6	15.66	350192	20.0
Sulfurous acid, b...	16.60	5.6	ng	97406	6	15.66	350192	20.0
unknown18.24	18.24	8.1	ng	140945	6	15.66	350192	20.0