LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062718\
Data File : BF106881.D
Acq On : 27 Jun 2018 19:21
Operator : JU/SJ
Sample : J3242-05 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-02-062618-C

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

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

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

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.584	549	552	563	rBB	164281	163555	8.17%	1.191%
2	6.590	720	723	731	rBV	189418	171749	8.58%	1.251%
3	6.725	743	746	750	rBV	232143	182092	9.10%	1.326%
4	6.954	781	785	788	rVB	266700	235136	11.75%	1.713%
5	7.107	808	811	814	rBV	175556	136539	6.82%	0.995%
6	7.472	867	873	877	rBV5	14646	26428	1.32%	0.192%
7	7.513	877	880	887	rVB	132021	127585	6.38%	0.929%
8	7.584	887	892	895	rBV4	15895	22591	1.13%	0.165%
9	7.637	895	901	904	rBV5	13690	20613	1.03%	0.150%
10	7.754	919	921	926	rVB2	28599	27624	1.38%	0.201%
11	7.819	927	932	935	rBV4	11787	23177	1.16%	0.169%
12	7.866	937	940	943	rBV2	33082	32115	1.60%	0.234%
13	8.095	976	979	982	rBV	30726	27051	1.35%	0.197%
14	8.131	982	985	989	rBV3	18197	27063	1.35%	0.197%
15	8.201	994	997	1000	rVV3	29118	47189	2.36%	0.344%
16	8.237	1000	1003	1008	rVV	377553	347392	17.36%	2.530%
17	8.278	1008	1010	1013	rVB	105612	79206	3.96%	0.577%
18	8.313	1013	1016	1021	rBV5	27089	41935	2.10%	0.305%
19	8.407	1029	1032	1034	rBV3	20374	24108	1.20%	0.176%
20	8.431	1034	1036	1039	rVB	37587	30052	1.50%	0.219%
21	8.513	1047	1050	1055	rVB5	44400	69960	3.50%	0.510%
22	8.572	1055	1060	1063	rBV5	27330	52364	2.62%	0.381%
23	8.637	1069	1071	1074	rBV	174231	129248	6.46%	0.941%
24	8.666	1074	1076	1079	rBV3	40139	36893	1.84%	0.269%
25	8.731	1085	1087	1090	rBV2	41720	41367	2.07%	0.301%
26	8.766	1090	1093	1095	rBV2	54666	46793	2.34%	0.341%
27	8.807	1098	1100	1104	rVB4	31894	33033	1.65%	0.241%
28	8.848	1104	1107	1109	rBV4	40013	45659	2.28%	0.333%
29	8.901	1114	1116	1120	rVB	52154	63146	3.16%	0.460%
30	8.972	1126	1128	1131	rVB2	39352	31494	1.57%	0.229%
31	9.007	1131	1134	1139	rBV6	38675	61532	3.08%	0.448%
32	9.107	1149	1151	1153	rVV3	39169	30480	1.52%	0.222%
33	9.136	1153	1156	1159	rVB4	46147	51868	2.59%	0.378%
34	9.178	1160	1163	1166	rBV5	24405	37123	1.86%	0.270%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062718\
Data File : BF106881.D
Acq On : 27 Jun 2018 19:21
Operator : JU/SJ
Sample : J3242-05 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-02-062618-C

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

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

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

35	9.236	1171	1173	1176	rVV	256109	234240	11.71%	1.706%
36	9.307	1180	1185	1189	rBV	275507	282246	14.11%	2.056%
37	9.384	1194	1198	1202	rVV	226384	266979	13.34%	1.945%
38	9.419	1202	1204	1205	rVV2	67397	56709	2.83%	0.413%
39	9.454	1208	1210	1212	rVV2	59694	54349	2.72%	0.396%
40	9.495	1214	1217	1220	rVB5	42749	46938	2.35%	0.342%
41	9.566	1226	1229	1230	rBV3	33433	29196	1.46%	0.213%
42	9.613	1235	1237	1239	rBV2	35710	35663	1.78%	0.260%
43	9.695	1247	1251	1254	rBV	554282	471527	23.56%	3.435%
44	9.754	1259	1261	1263	rVB	39245	28091	1.40%	0.205%
45	9.801	1267	1269	1272	rVB2	85725	66861	3.34%	0.487%
46	9.854	1275	1278	1280	rBV3	111065	96988	4.85%	0.706%
47	9.872	1280	1281	1283	rBV2	47300	40279	2.01%	0.293%
48	9.901	1283	1286	1288	rVB2	161514	135828	6.79%	0.989%
49	9.942	1291	1293	1296	rBV3	57964	73307	3.66%	0.534%
50	9.972	1296	1298	1300	rVV	73448	62104	3.10%	0.452%
51	9.995	1300	1302	1305	rVV2	362468	284415	14.21%	2.072%
52	10.036	1307	1309	1310	rBV2	33474	21754	1.09%	0.158%
53	10.166	1329	1331	1333	rVB2	103477	72219	3.61%	0.526%
54	10.231	1339	1342	1343	rBV	50131	50988	2.55%	0.371%
55	10.307	1352	1355	1357	rBV3	60806	76506	3.82%	0.557%
56	10.401	1368	1371	1374	rVB2	115346	105731	5.28%	0.770%
57	10.436	1374	1377	1379	rBV	75023	80586	4.03%	0.587%
58	10.625	1404	1409	1412	rBV	407486	431591	21.57%	3.144%
59	10.748	1428	1430	1434	rVB2	72277	66057	3.30%	0.481%
60	10.789	1434	1437	1440	rBV3	168383	178809	8.94%	1.302%
61	10.895	1450	1455	1458	rBV	722850	731573	36.56%	5.329%
62	11.125	1492	1494	1498	rVB2	66472	54220	2.71%	0.395%
63	11.207	1506	1508	1509	rBV2	39216	29043	1.45%	0.212%
64	11.230	1510	1512	1513	rVV2	48112	37053	1.85%	0.270%
65	11.330	1527	1529	1531	rBV3	45839	42510	2.12%	0.310%
66	11.360	1531	1534	1541	rVB	415529	446103	22.29%	3.249%
67	11.489	1553	1556	1559	rVB	357949	299966	14.99%	2.185%
68	11.601	1573	1575	1579	rVB3	55788	53902	2.69%	0.393%
69	11.636	1579	1581	1585	rBV4	37507	47949	2.40%	0.349%
70	11.707	1590	1593	1599	rVV	129451	165116	8.25%	1.203%
71	11.754	1599	1601	1605	rVB3	71885	58186	2.91%	0.424%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062718\
Data File : BF106881.D
Acq On : 27 Jun 2018 19:21
Operator : JU/SJ
Sample : J3242-05 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-02-062618-C

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

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

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

72	11.860	1615	1619	1622	rVB	889737	717948	35.88%	5.229%
73	12.160	1668	1670	1673	rVB	32525	27044	1.35%	0.197%
74	12.554	1732	1737	1739	rBV	1581456	2000990	100.00%	14.575%
75	12.577	1739	1741	1748	rVV2	1416901	1364021	68.17%	9.935%
76	12.654	1750	1754	1759	rVB	435725	385398	19.26%	2.807%
77	12.707	1761	1763	1766	rVB	33069	25796	1.29%	0.188%
78	12.889	1791	1794	1797	rVB2	63473	61766	3.09%	0.450%
79	12.924	1797	1800	1801	rBV2	31884	27332	1.37%	0.199%
80	13.072	1822	1825	1828	rBV	251192	210614	10.53%	1.534%
81	13.213	1847	1849	1852	rBV2	61467	55909	2.79%	0.407%
82	13.283	1859	1861	1862	rBV	29505	22266	1.11%	0.162%
83	13.301	1862	1864	1871	rVB6	51958	71535	3.57%	0.521%
84	13.377	1874	1877	1879	rBV2	58255	48321	2.41%	0.352%
85	13.948	1972	1974	1978	rVB4	26887	27045	1.35%	0.197%
86	14.048	1988	1991	1994	rBV	43939	40609	2.03%	0.296%
87	14.142	2002	2007	2010	rBV	389276	379563	18.97%	2.765%
88	15.677	2263	2268	2276	rBV	244859	335335	16.76%	2.443%
89	16.395	2388	2390	2400	rVB6	27475	49284	2.46%	0.359%
90	16.860	2466	2469	2476	rVB6	20988	38411	1.92%	0.280%

Sum of corrected areas: 13728929

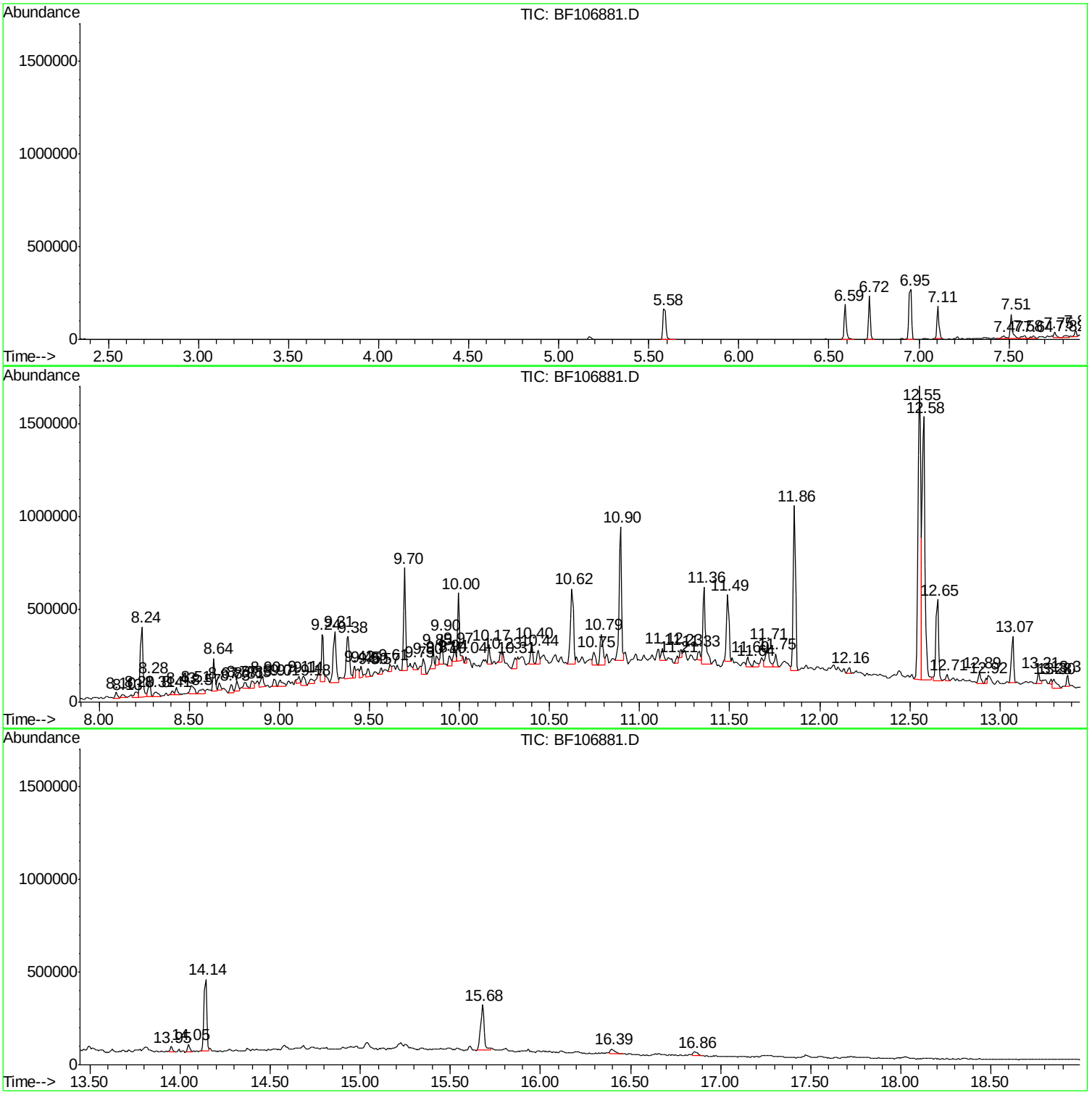
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062718\
Data File : BF106881.D
Acq On : 27 Jun 2018 19:21
Operator : JU/SJ
Sample : J3242-05 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-02-062618-C

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

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062718\
Data File : BF106881.D
Acq On : 27 Jun 2018 19:21
Operator : JU/SJ
Sample : J3242-05 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-02-062618-C

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

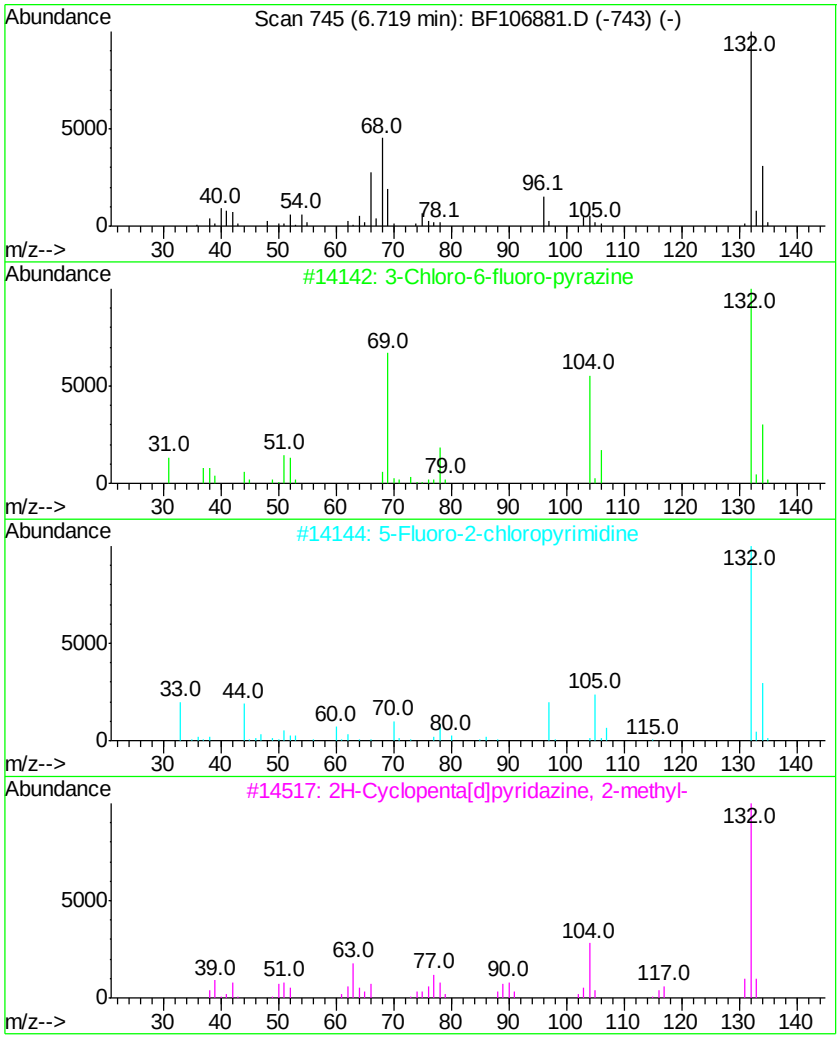
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

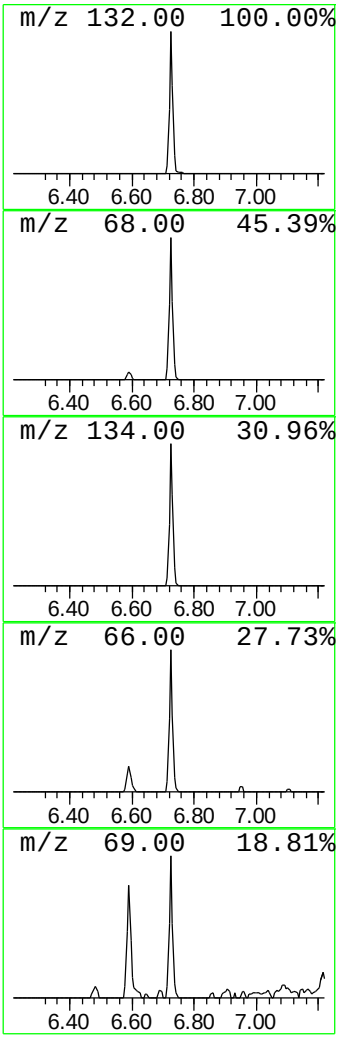
****

Peak Number 1 unknown6.72 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.72	15.49 ng	182092	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	25
2	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9
3	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9
4	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9
5	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062718\
Data File : BF106881.D
Acq On : 27 Jun 2018 19:21
Operator : JU/SJ
Sample : J3242-05 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-02-062618-C

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

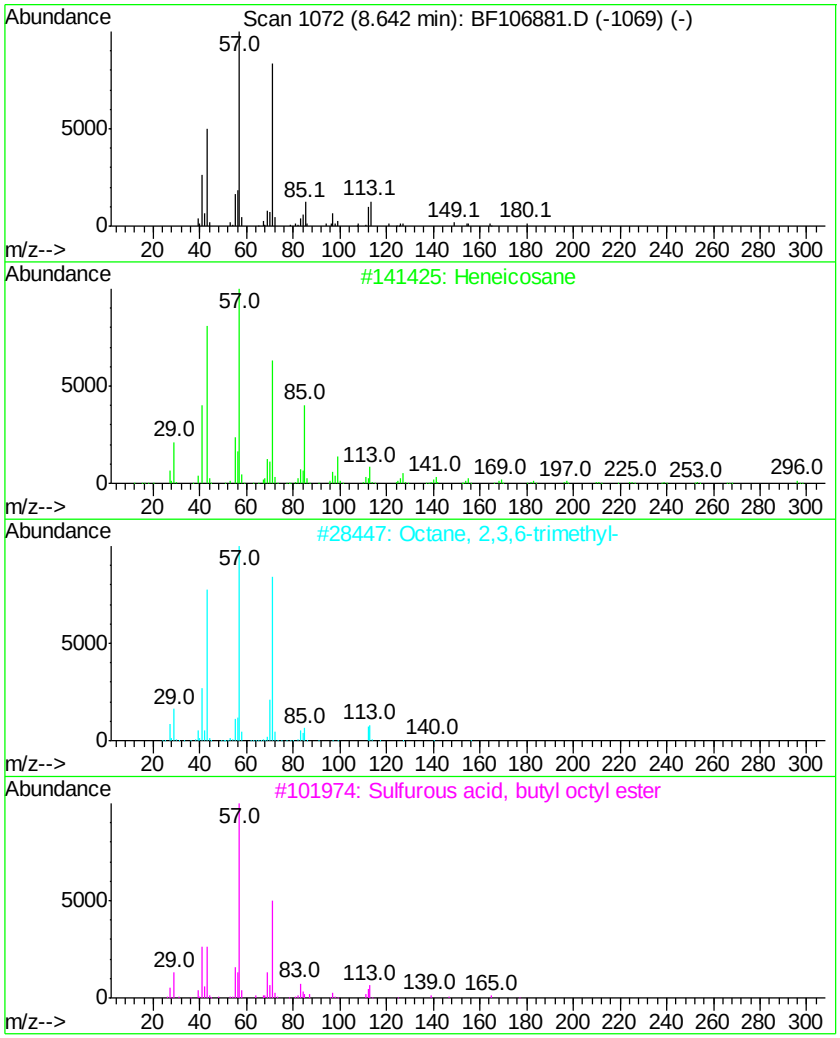
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

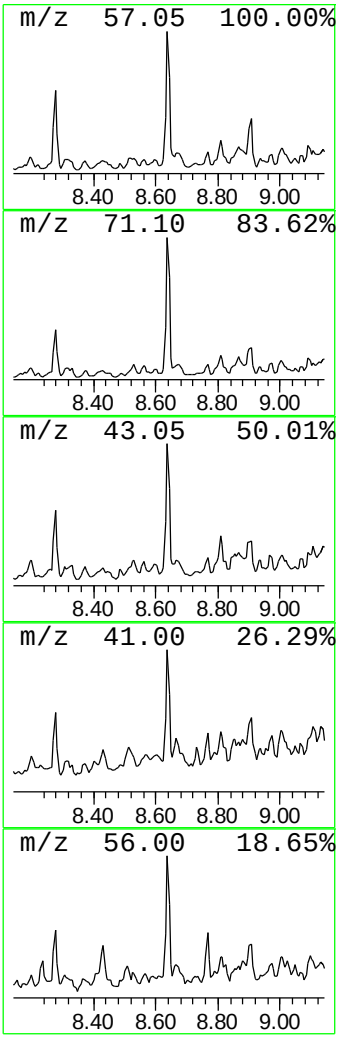
****

Peak Number 3 Heneicosane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.64	7.44 ng	129248	Naphthalene-d8	8.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	78
2	Octane, 2,3,6-trimethyl-	156	C11H24	062016-33-5	78
3	Sulfurous acid, butyl octyl ester	250	C12H26O3S	1000309-17-5	72
4	Sulfurous acid, 2-ethylhexyl pen...	264	C13H28O3S	1000309-18-9	64
5	Oxalic acid, 2-ethylhexyl hexyl ...	286	C16H30O4	1000309-38-9	59





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062718\
Data File : BF106881.D
Acq On : 27 Jun 2018 19:21
Operator : JU/SJ
Sample : J3242-05 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-02-062618-C

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

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

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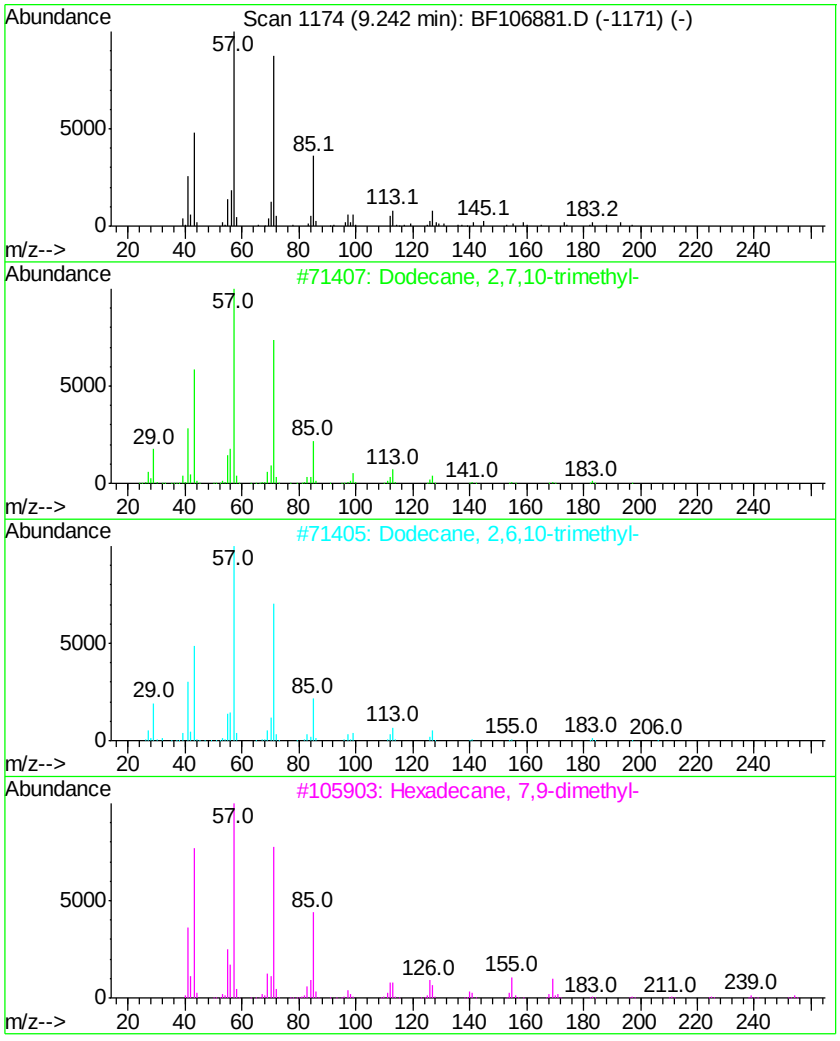
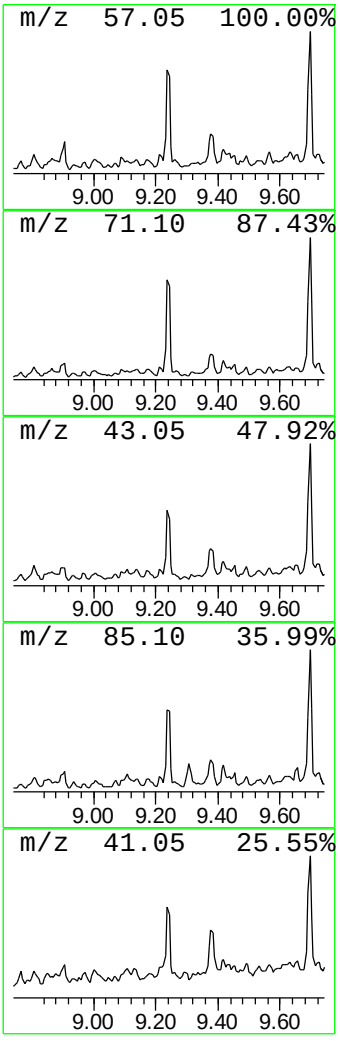
Peak Number 4 Dodecane, 2,7,10-trimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.24	16.47 ng	234240	Acenaphthene-d10	10.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	86
2	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	86
3	Hexadecane, 7,9-dimethyl-	254	C18H38	021164-95-4	64
4	Nonane, 5-methyl-5-propyl-	184	C13H28	017312-75-3	53
5	Decane, 4-methyl-	156	C11H24	002847-72-5	53





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062718\
Data File : BF106881.D
Acq On : 27 Jun 2018 19:21
Operator : JU/SJ
Sample : J3242-05 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-02-062618-C

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

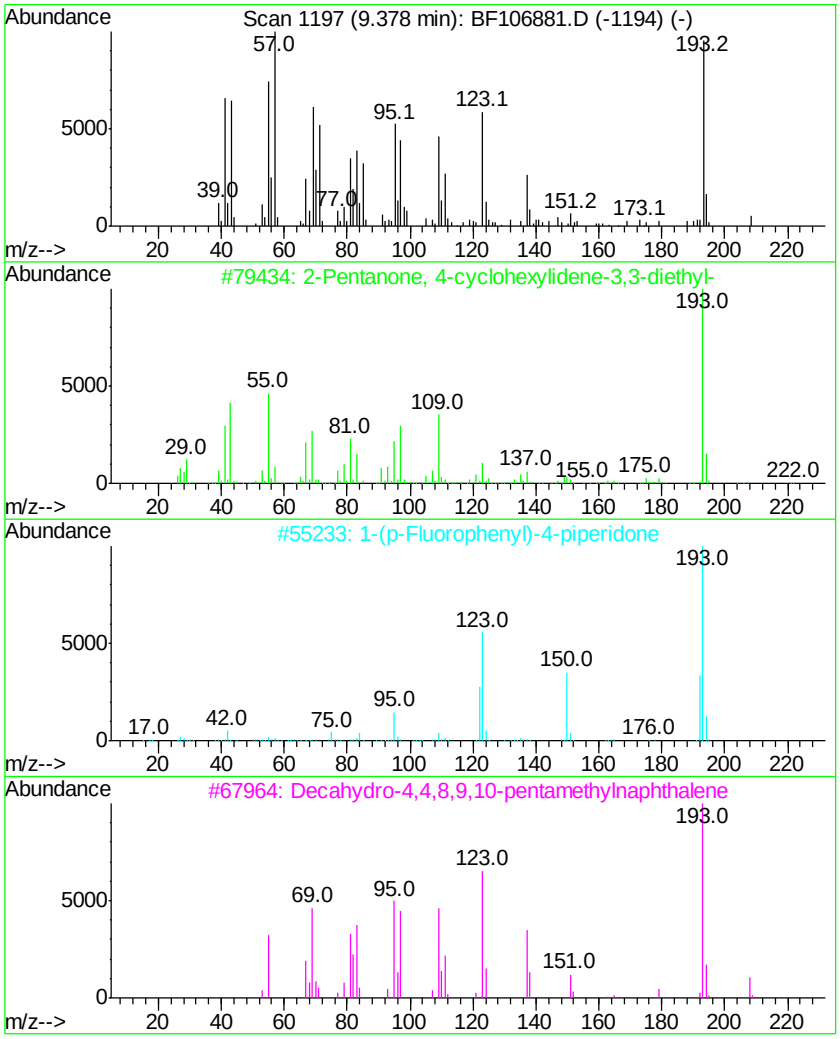
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

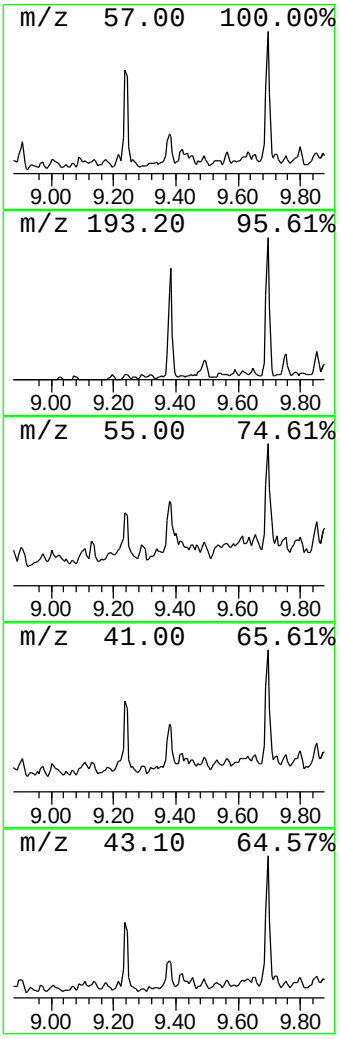
****

Peak Number 5 unknown9.38 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.38	18.77 ng	266979	Acenaphthene-d10	10.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-cyclohexylidene-3...	222	C15H26O	313253-65-5	47
2	1-(p-Fluorophenyl)-4-piperidone	193	C11H12FNO	1000238-56-7	43
3	Decahydro-4,4,8,9,10-pentamethyl...	208	C15H28	080655-44-3	43
4	2-Anthracenamine	193	C14H11N	000613-13-8	22
5	3-Methyl-2-(2-oxopropyl)furan	138	C8H10O2	087773-62-4	15





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062718\
Data File : BF106881.D
Acq On : 27 Jun 2018 19:21
Operator : JU/SJ
Sample : J3242-05 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-02-062618-C

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

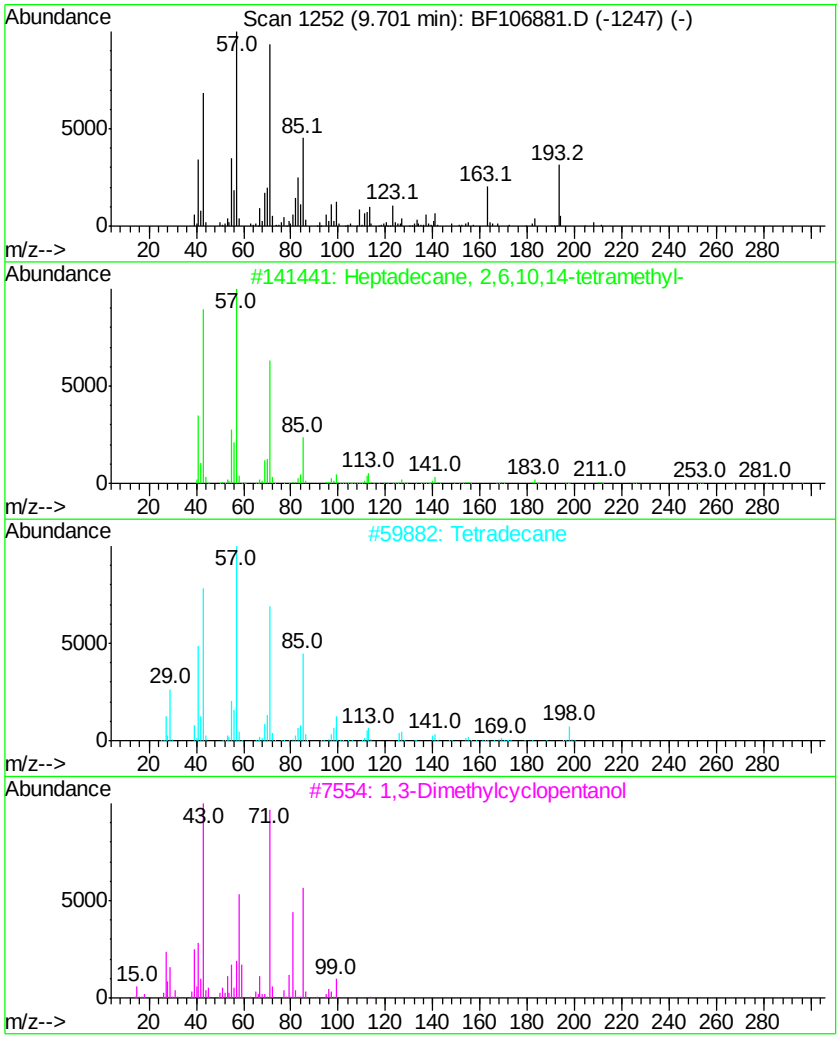
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

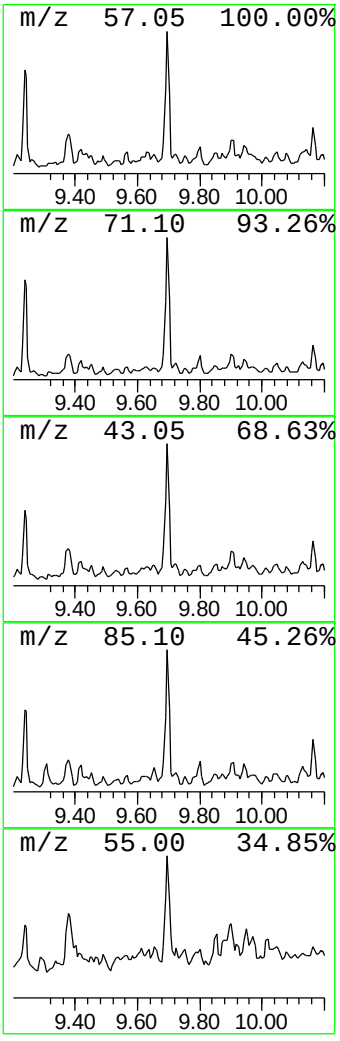
****

Peak Number 6 Heptadecane, 2,6,10,14-tetr... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.70	33.16 ng	471527	Acenaphthene-d10	10.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane, 2,6,10,14-tetramethyl-	296	C21H44	018344-37-1	58
2	Tetradecane	198	C14H30	000629-59-4	53
3	1,3-Dimethylcyclopentanol	114	C7H14O	019550-46-0	53
4	Decane, 5-propyl-	184	C13H28	017312-62-8	52
5	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	52





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062718\
Data File : BF106881.D
Acq On : 27 Jun 2018 19:21
Operator : JU/SJ
Sample : J3242-05 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-02-062618-C

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

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

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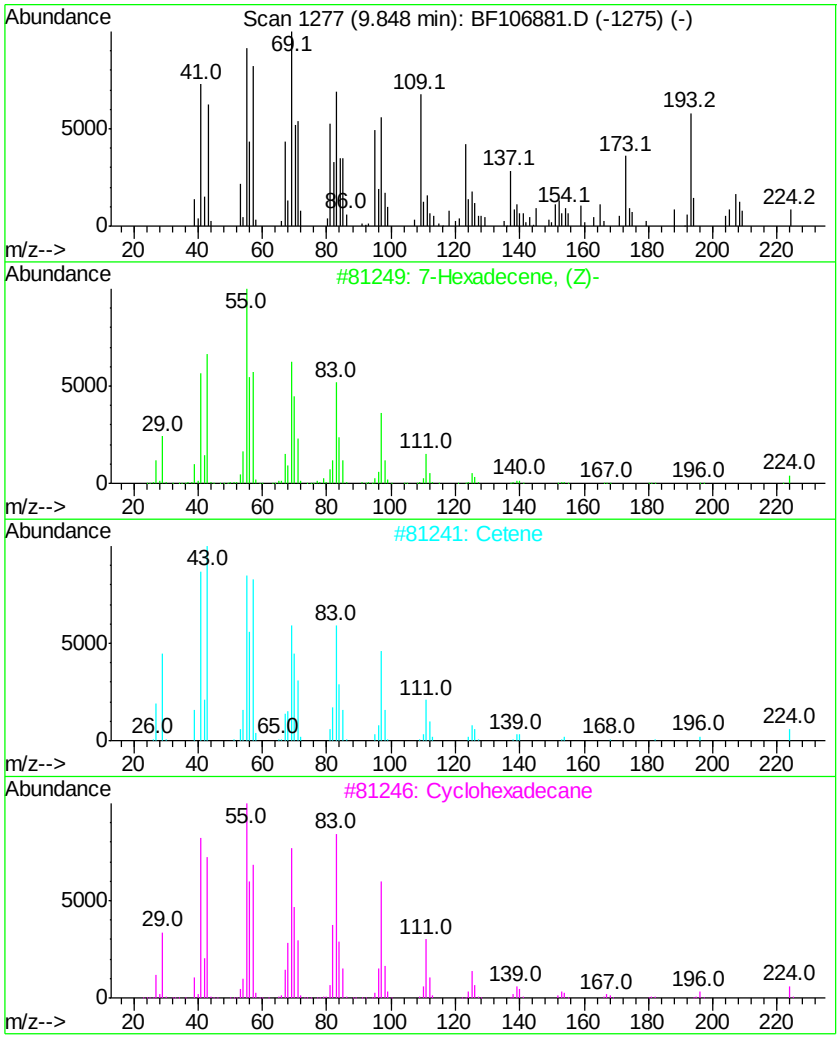
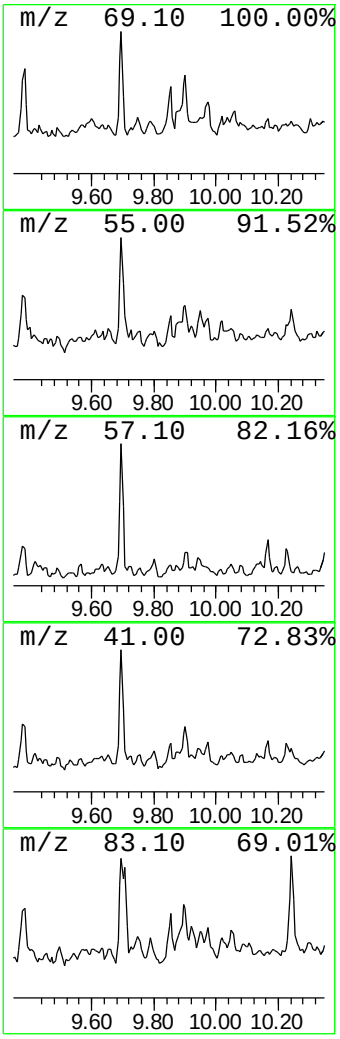
Peak Number 7 7-Hexadecene, (Z)- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.85	6.82 ng	96988	Acenaphthene-d10	10.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7-Hexadecene, (Z)-	224	C16H32	035507-09-6	70
2	Cetene	224	C16H32	000629-73-2	59
3	Cyclohexadecane	224	C16H32	000295-65-8	55
4	3-Hexadecene, (Z)-	224	C16H32	034303-81-6	55
5	Cyclopropane, 1-methyl-1-(1-meth...	224	C16H32	041977-40-6	49





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Acq On : 27 Jun 2018 19:21
Operator : JU/SJ
Sample : J3242-05 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-02-062618-C

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

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

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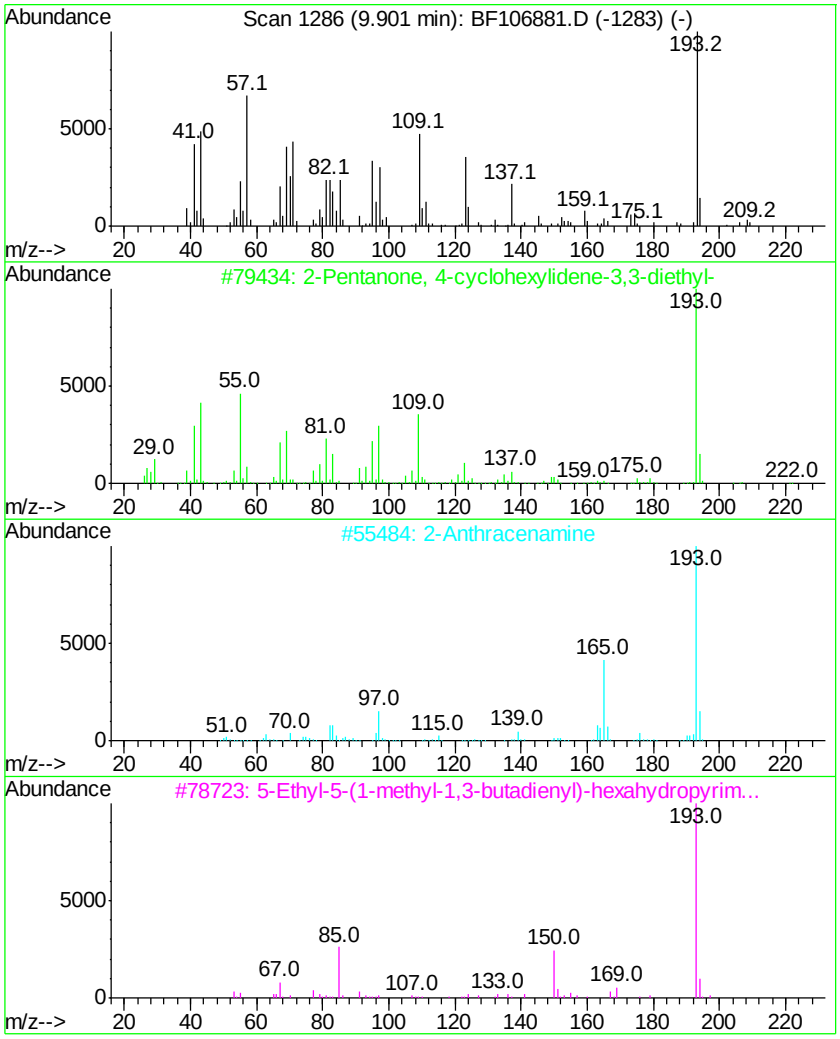
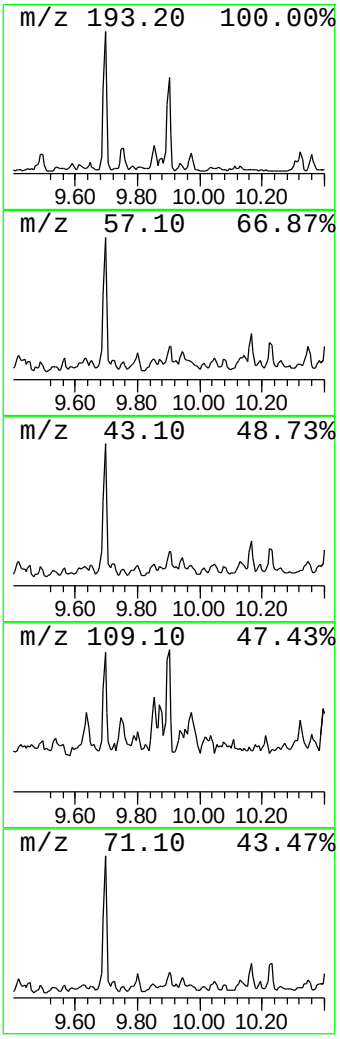
Peak Number 8 2-Pentanone, 4-cyclohexylid... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.90	9.55 ng	135828	Acenaphthene-d10	10.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-cyclohexylidene-3...	222	C15H26O	313253-65-5	50
2	2-Anthracenamine	193	C14H11N	000613-13-8	27
3	5-Ethyl-5-(1-methyl-1,3-butadien...	222	C11H14N2O3	131147-54-1	27
4	Iminostilbene	193	C14H11N	000256-96-2	18
5	6-Methylphenanthridine	193	C14H11N	003955-65-5	14





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Sample : J3242-05 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-02-062618-C

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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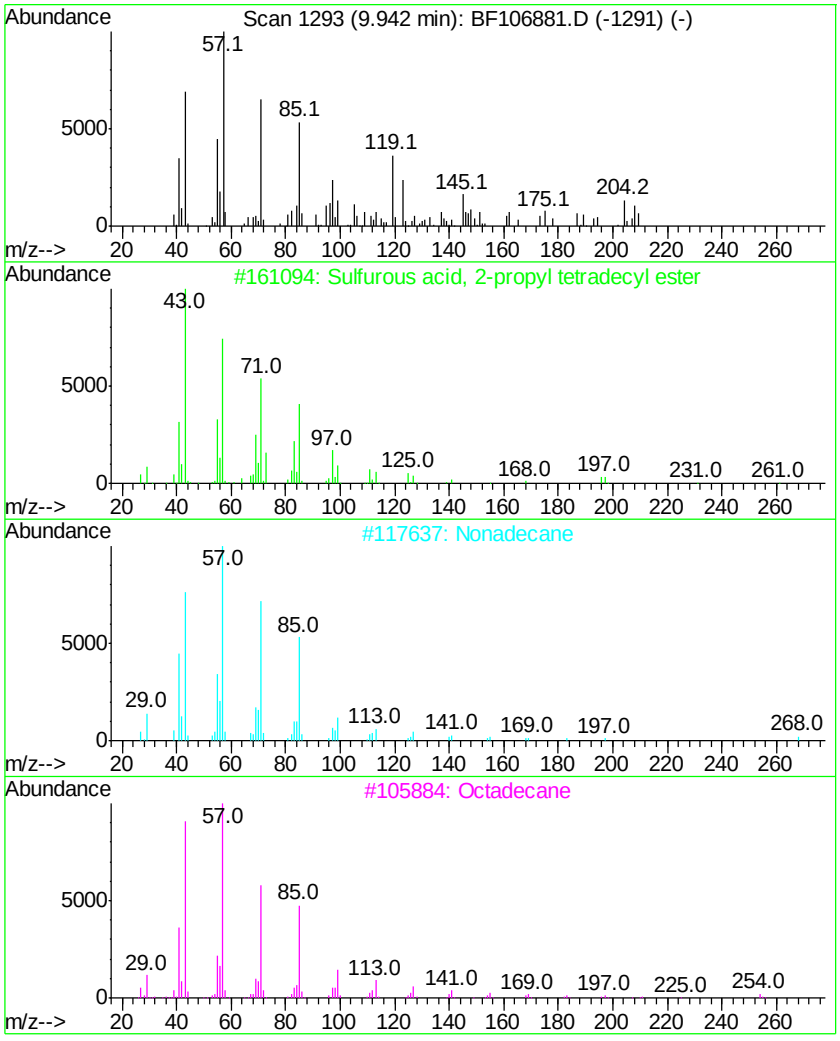
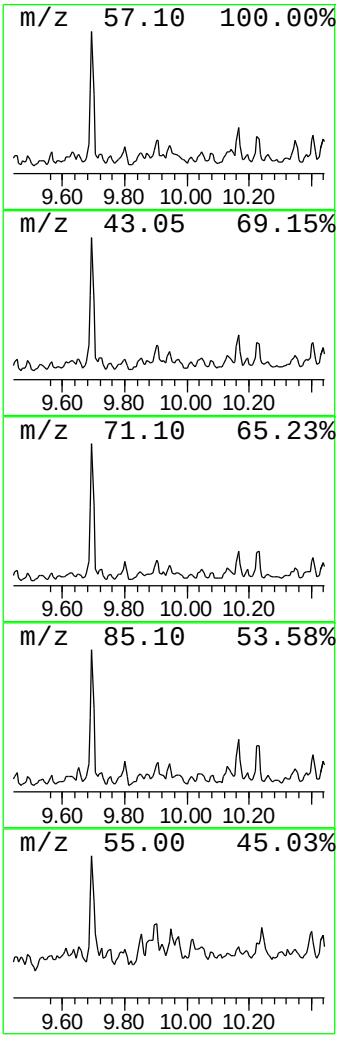
Peak Number 9 unknown9.94 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.94	5.15 ng	73307	Acenaphthene-d10	10.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfurous acid, 2-propyl tetrade...	320	C17H36O3S	1000309-12-5	49
2	Nonadecane	268	C19H40	000629-92-5	43
3	Octadecane	254	C18H38	000593-45-3	43
4	1-Octadecanesulphonyl chloride	352	C18H37ClO2S	1000342-70-4	38
5	10-Methylnonadecane	282	C20H42	056862-62-5	38





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Sample : J3242-05 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-02-062618-C

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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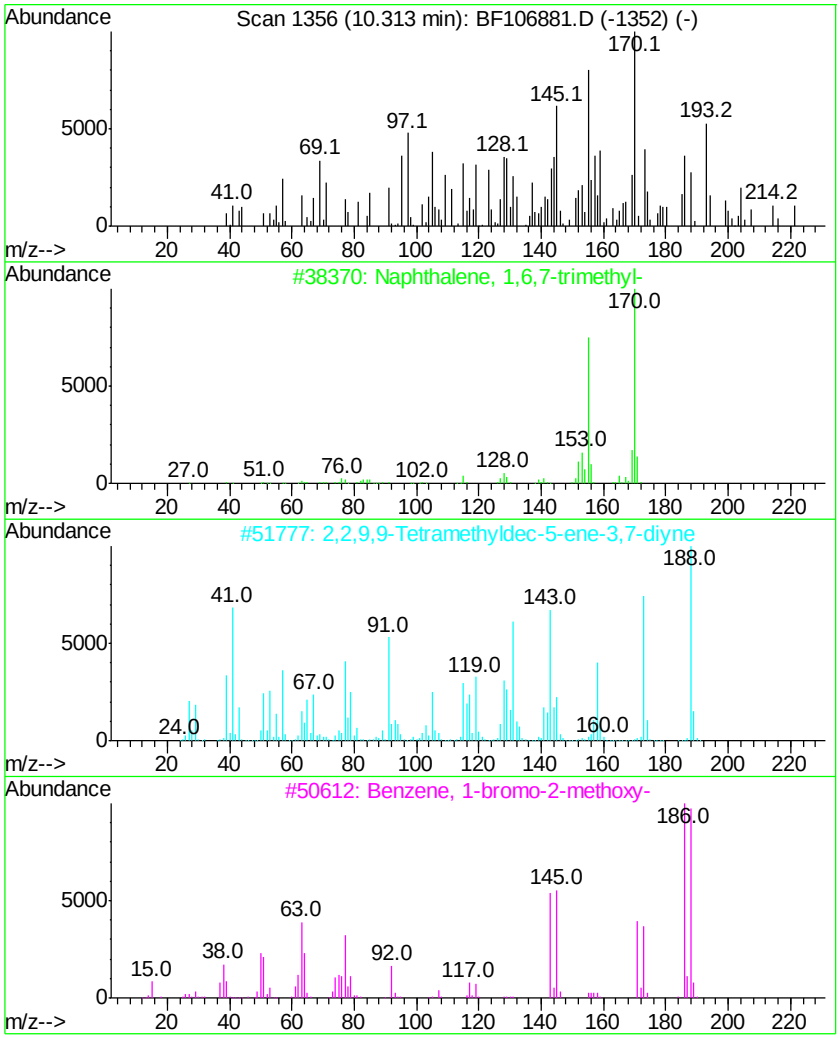
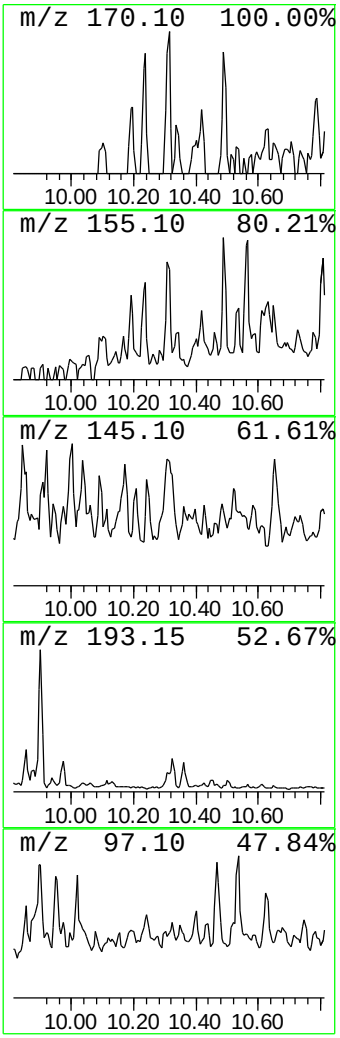
Peak Number 10 Naphthalene, 1,6,7-trimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.31	5.38 ng	76506	Acenaphthene-d10	10.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	58
2	2,2,9,9-Tetramethyldec-5-ene-3,7...	188	C14H20	102745-35-7	38
3	Benzene, 1-bromo-2-methoxy-	186	C7H7BrO	000578-57-4	30
4	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	25
5	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	15





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Operator : JU/SJ
Sample : J3242-05 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-02-062618-C

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

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

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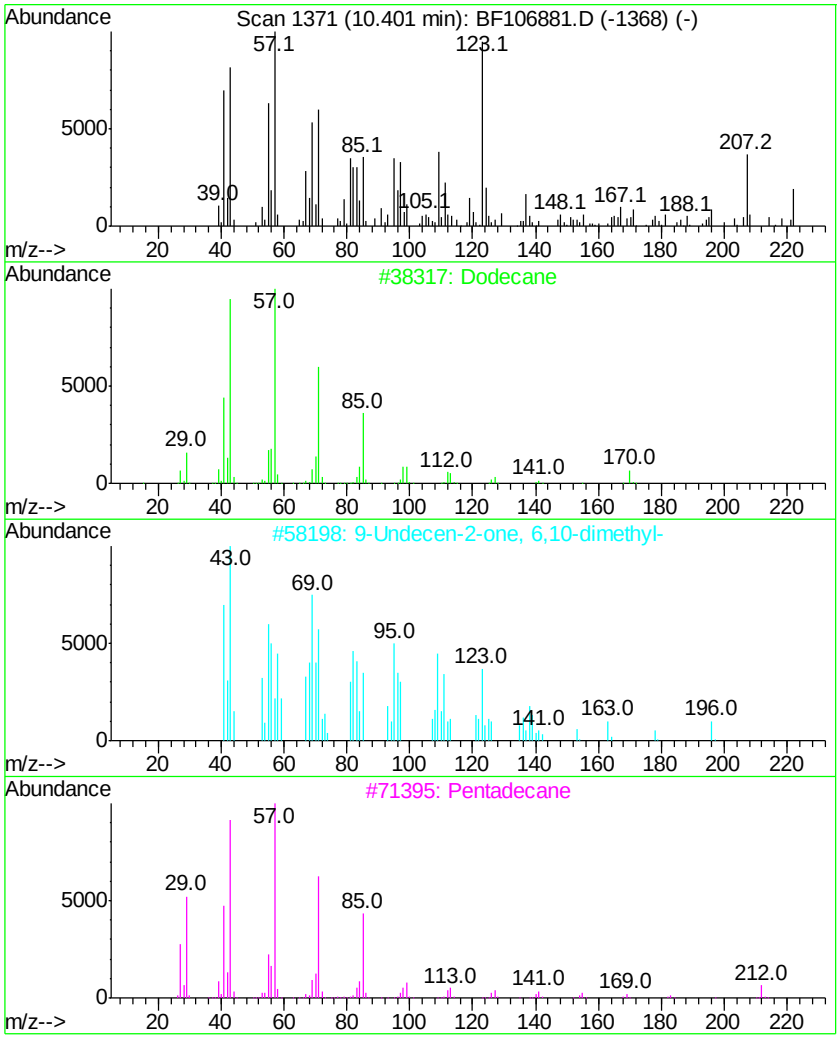
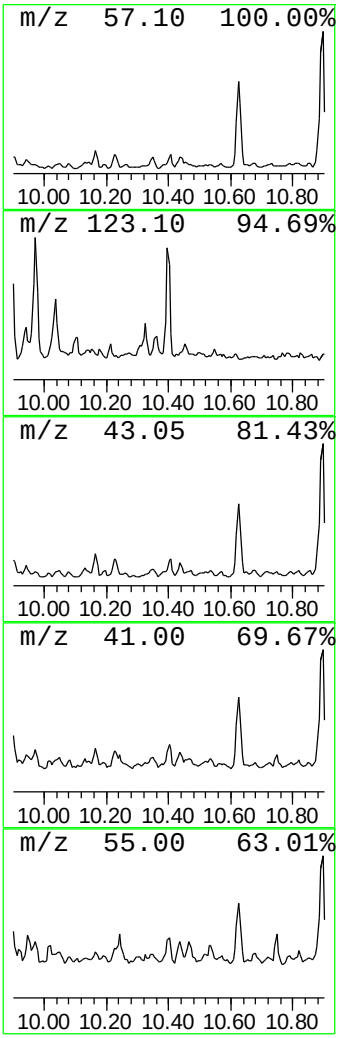
Peak Number 11 Dodecane Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.40	7.43 ng	105731	Acenaphthene-d10	10.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane	170	C12H26	000112-40-3	90
2	9-Undecen-2-one, 6,10-dimethyl-	196	C13H24O	004433-36-7	45
3	Pentadecane	212	C15H32	000629-62-9	15
4	Tetradecane	198	C14H30	000629-59-4	11
5	Tridecane	184	C13H28	000629-50-5	11





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Operator : JU/SJ
Sample : J3242-05 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-02-062618-C

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

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

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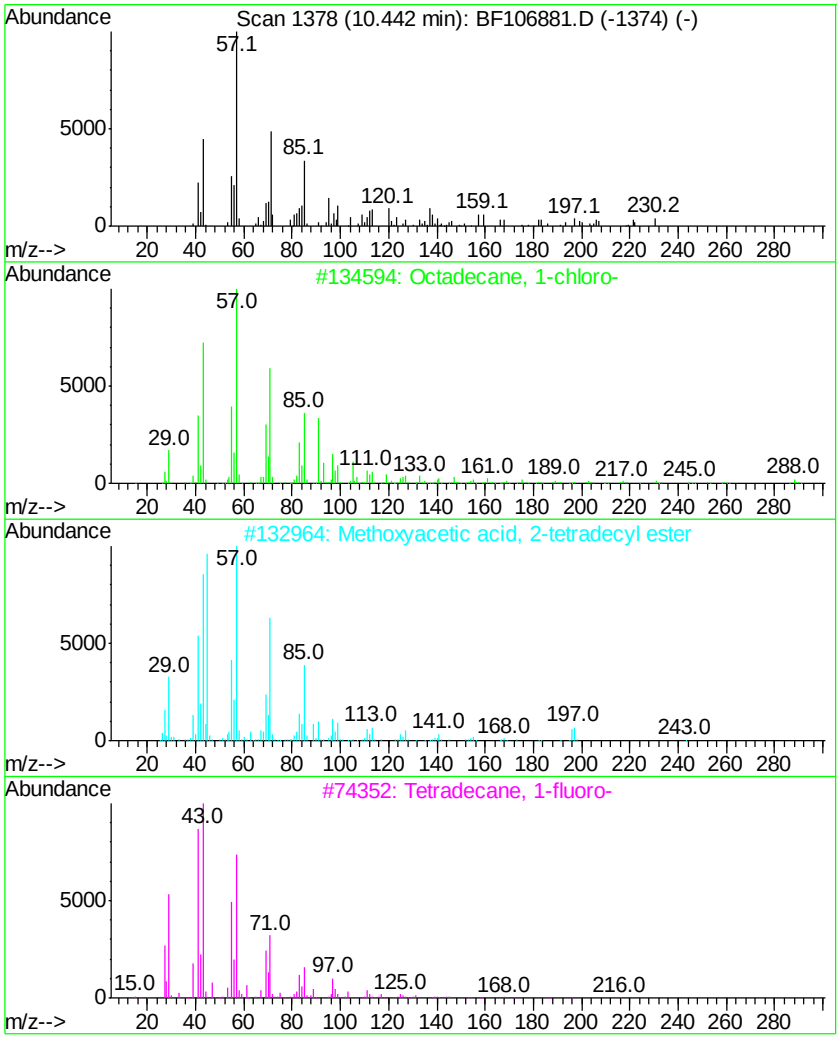
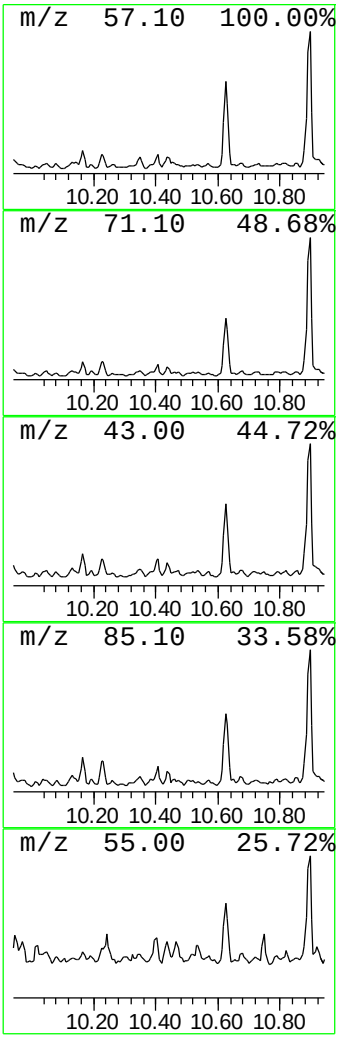
Peak Number 12 Octadecane, 1-chloro- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.44	5.67 ng	80586	Acenaphthene-d10	10.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane, 1-chloro-	288	C18H37Cl	003386-33-2	80
2	Methoxyacetic acid, 2-tetradecyl...	286	C17H34O3	1000282-04-8	80
3	Tetradecane, 1-fluoro-	216	C14H29F	000593-33-9	72
4	Sulfurous acid, hexyl pentadecyl...	376	C21H44O3S	1000309-13-7	72
5	Tetradecane, 1-chloro-	232	C14H29Cl	002425-54-9	64





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Sample : J3242-05 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-02-062618-C

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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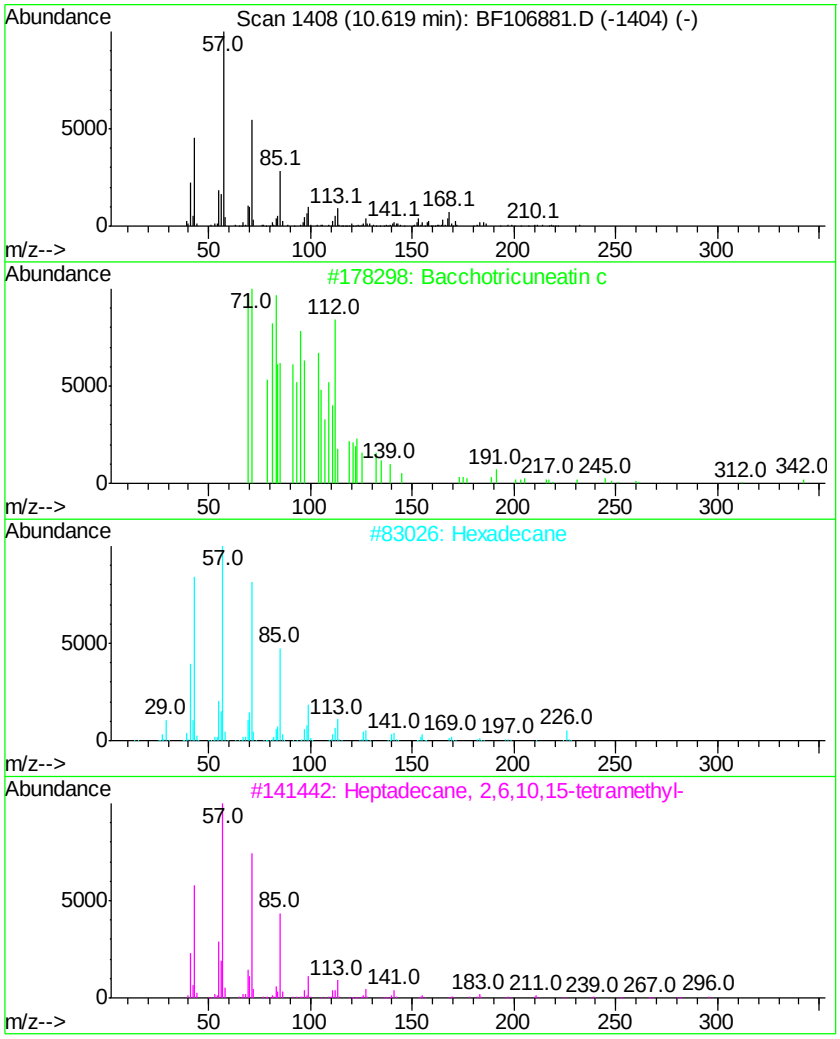
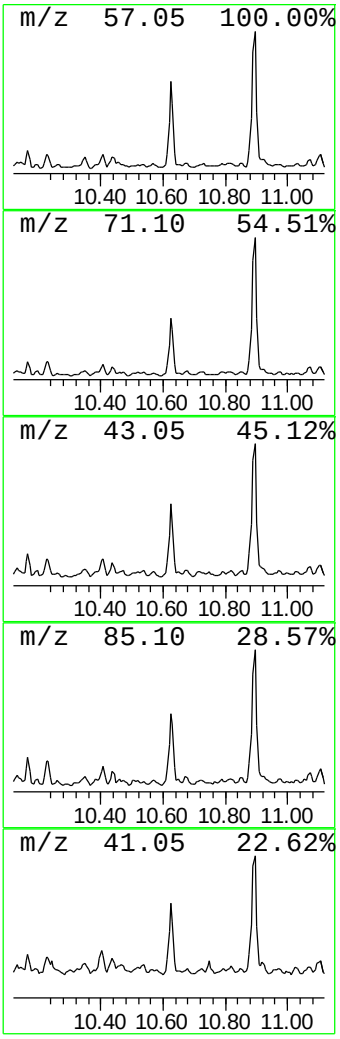
Peak Number 13 Bacchotricuneatin c Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.62	30.35 ng	431591	Acenaphthene-d10	10.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bacchotricuneatin c	342	C20H22O5	066563-30-2	99
2	Hexadecane	226	C16H34	000544-76-3	87
3	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	80
4	1-Iodo-2-methylundecane	296	C12H25I	073105-67-6	78
5	Octane, 3,5-dimethyl-	142	C10H22	015869-93-9	74





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Operator : JU/SJ
Sample : J3242-05 5X
Misc :
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Instrument : BNA_F
ClientSampleId : JC-02-062618-C

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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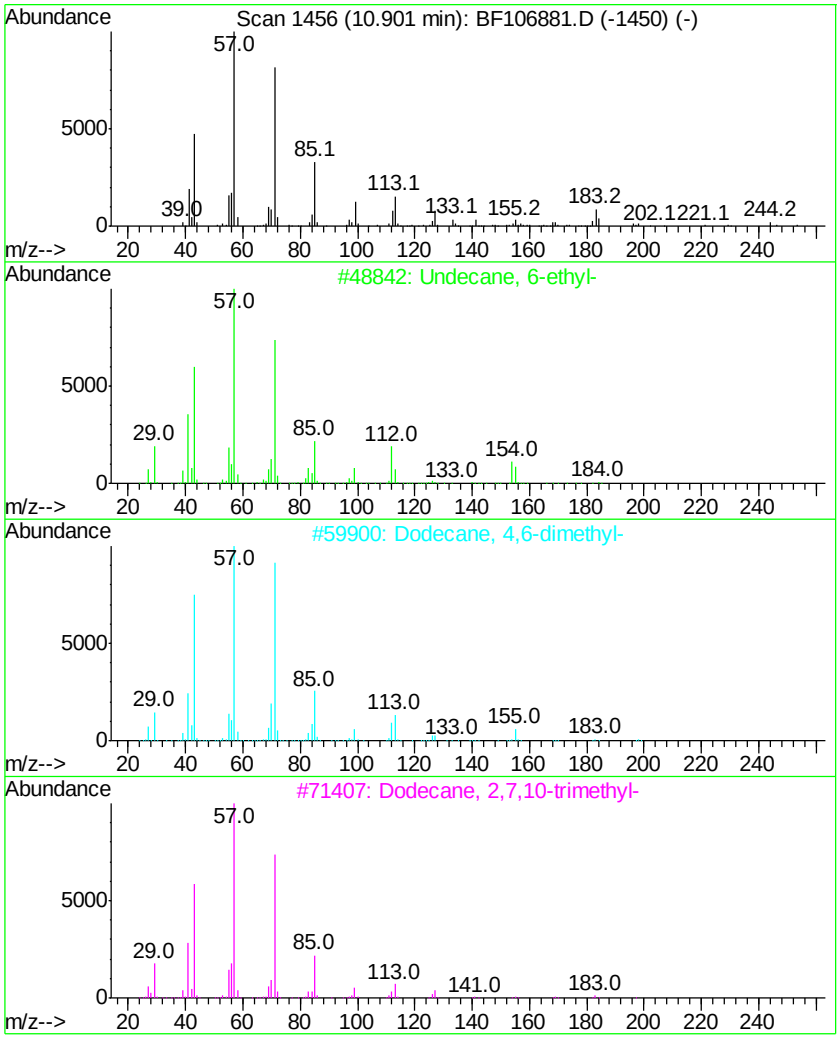
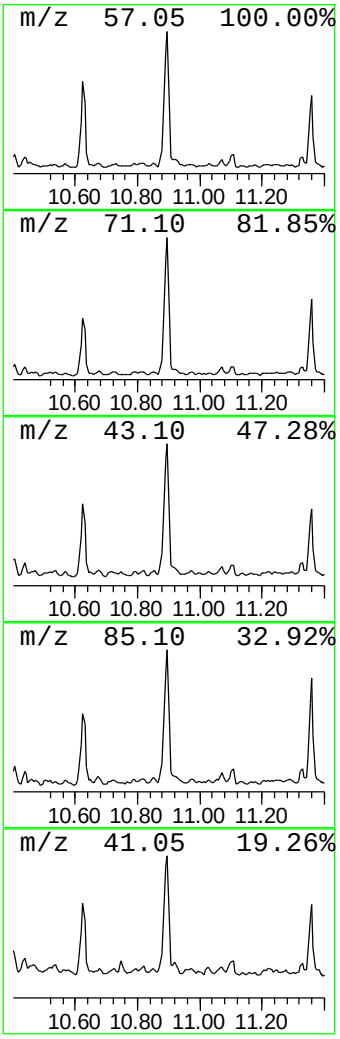
Peak Number 14 Undecane, 6-ethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.90	48.78 ng	731573	Phenanthrene-d10	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 6-ethyl-	184	C13H28	017312-60-6	90
2	Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	87
3	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	86
4	Hexadecane, 2,6,10-trimethyl-	268	C19H40	055000-52-7	83
5	Octadecane, 2,6-dimethyl-	282	C20H42	075163-97-2	78





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Sample : J3242-05 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-02-062618-C

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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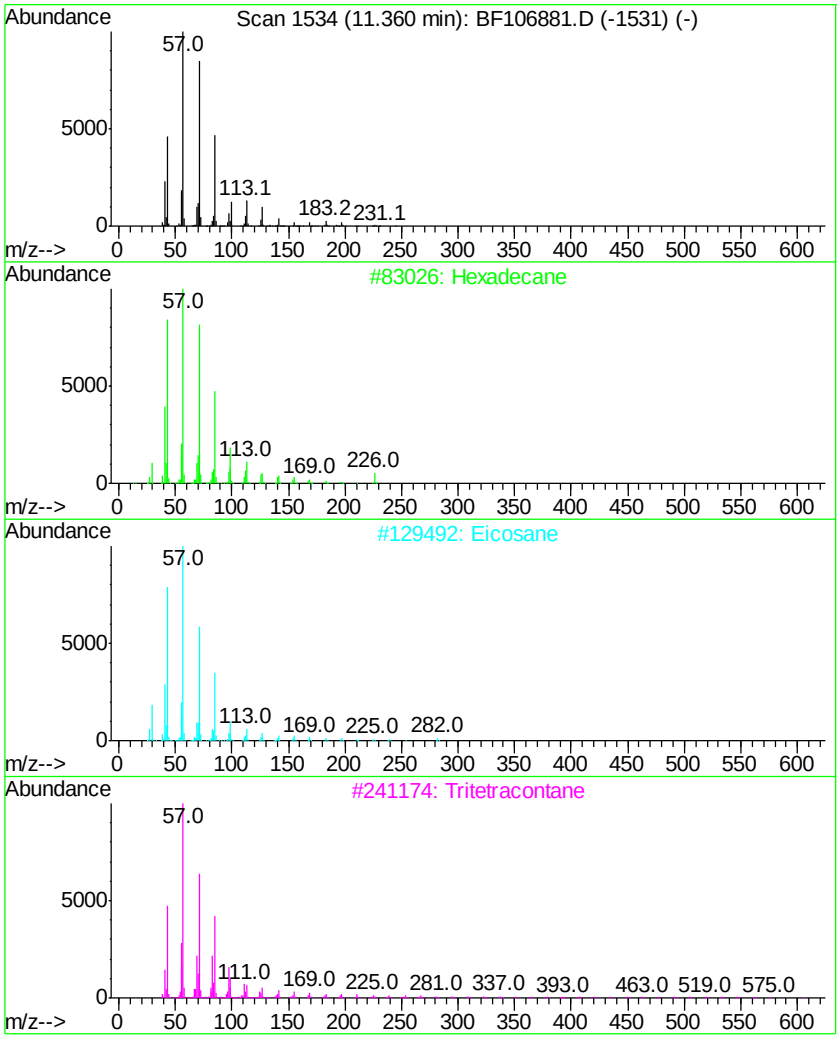
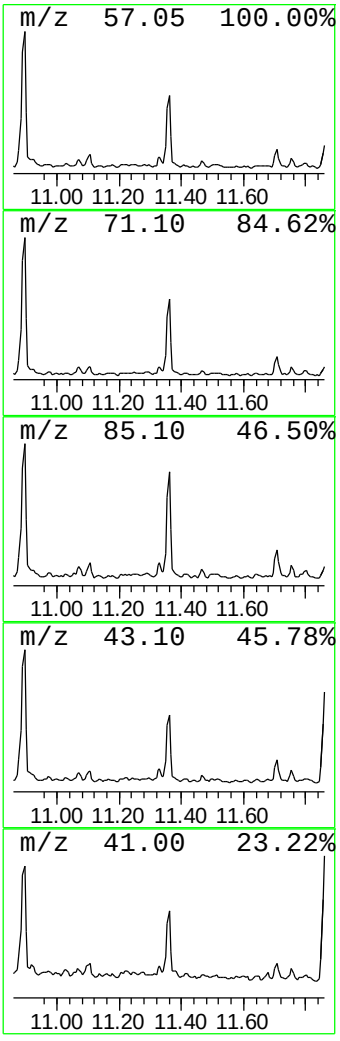
Peak Number 15 Hexadecane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.36	29.74 ng	446103	Phenanthrene-d10	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	91
2	Eicosane	282	C20H42	000112-95-8	86
3	Tritetracontane	605	C43H88	007098-21-7	83
4	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	72
5	Decane, 5-propyl-	184	C13H28	017312-62-8	72





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Misc :
ALS Vial : 20 Sample Multiplier: 1

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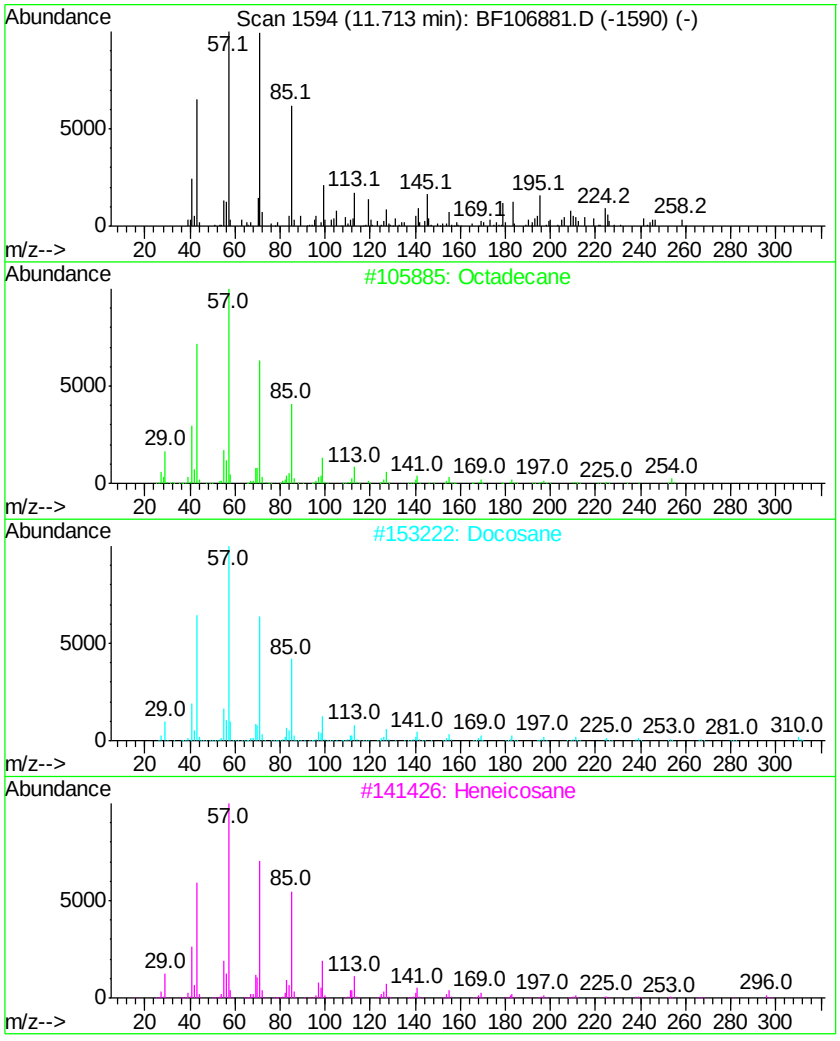
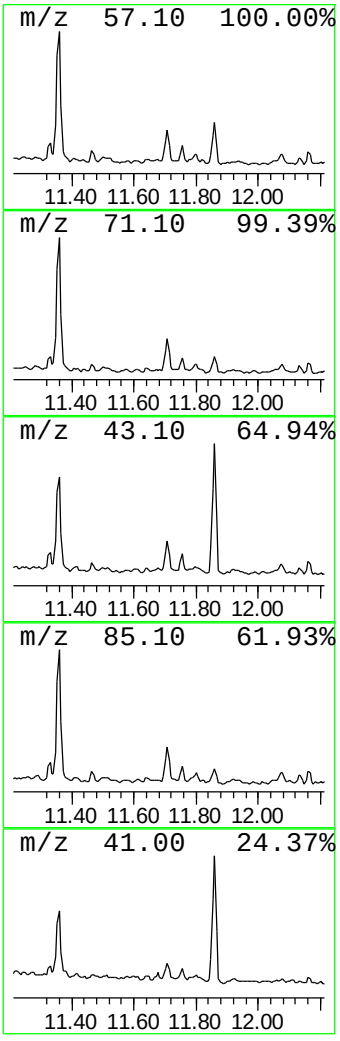
Peak Number 16 Octadecane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.71	11.01 ng	165116	Phenanthrene-d10	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane	254	C18H38	000593-45-3	90
2	Docosane	310	C22H46	000629-97-0	90
3	Heneicosane	296	C21H44	000629-94-7	87
4	2-Bromo dodecane	248	C12H25Br	013187-99-0	86
5	Hexadecane, 1-iodo-	352	C16H33I	000544-77-4	86





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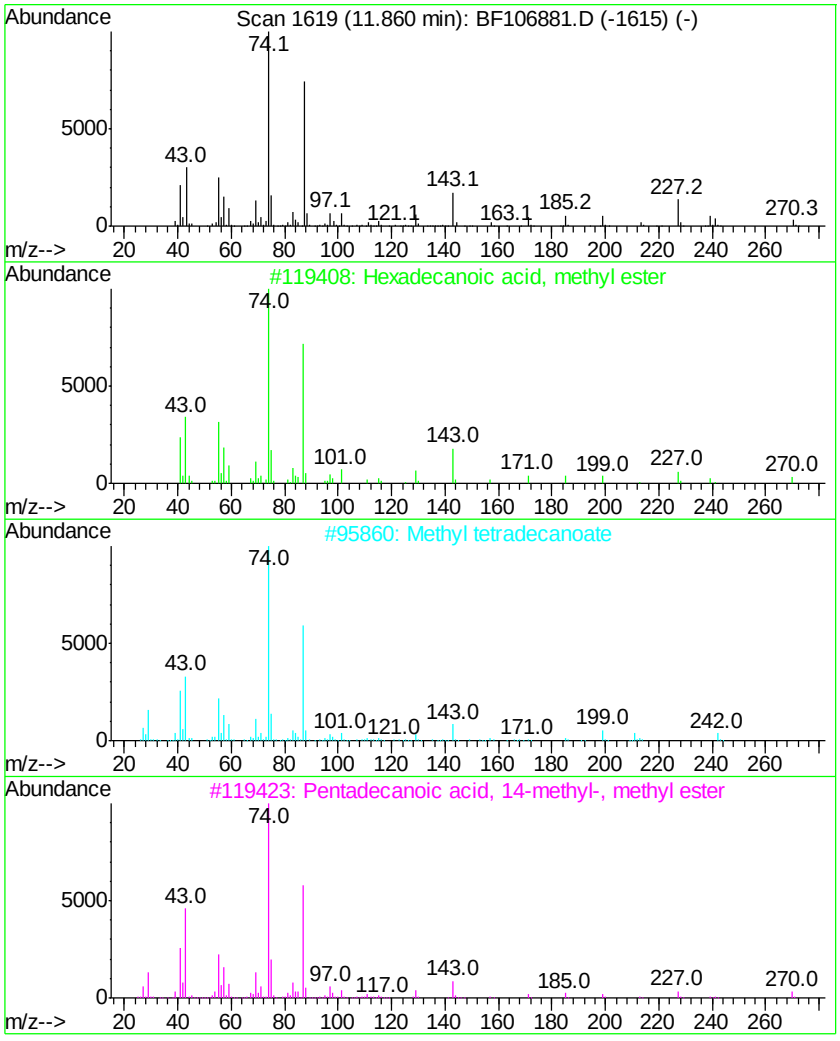
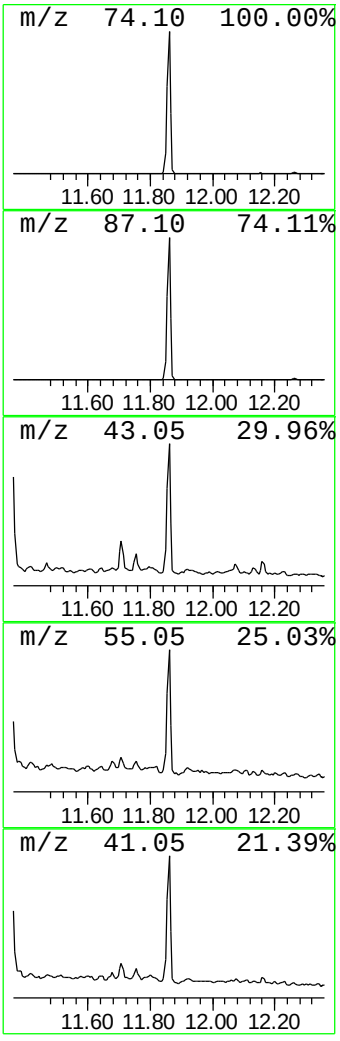
Peak Number 17 Hexadecanoic acid, methyl e... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.86	47.87 ng	717948	Phenanthrene-d10	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecanoic acid, methyl ester	270	C17H34O2	000112-39-0	98
2	Methyl tetradecanoate	242	C15H30O2	000124-10-7	91
3	Pentadecanoic acid, 14-methyl-, ...	270	C17H34O2	005129-60-2	91
4	Tridecanoic acid, methyl ester	228	C14H28O2	001731-88-0	90
5	Decanoic acid, methyl ester	186	C11H22O2	000110-42-9	81





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Sample : J3242-05 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-02-062618-C

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

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

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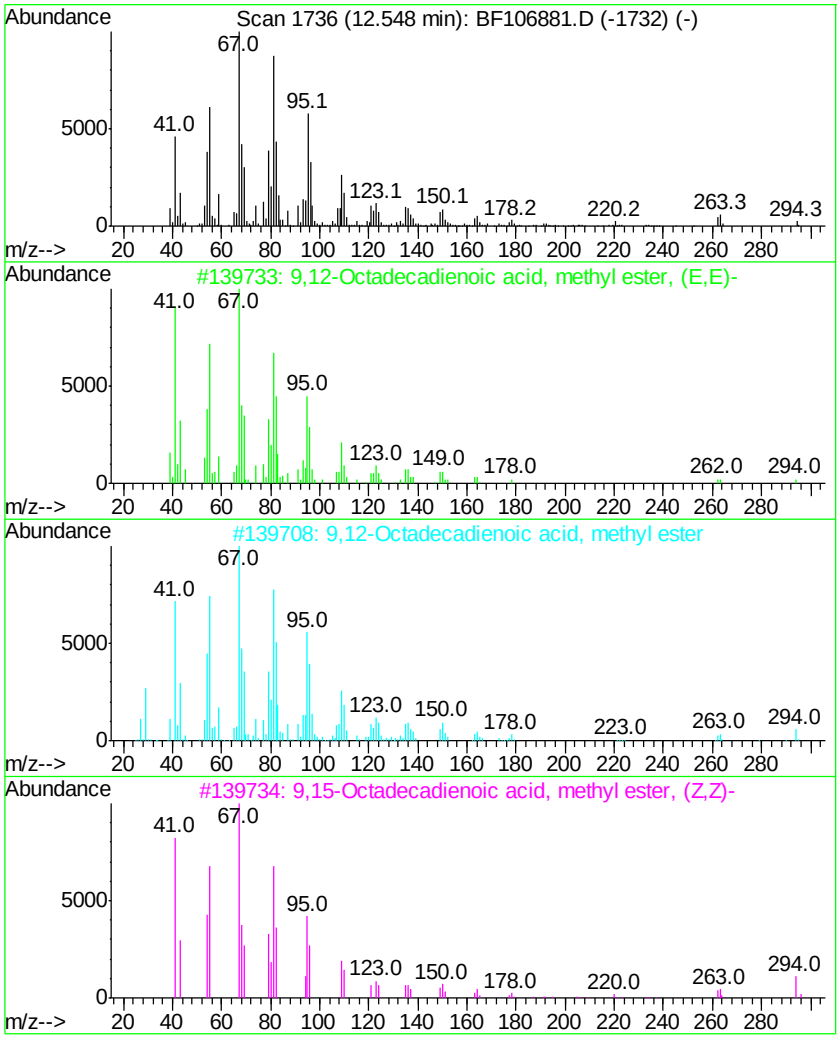
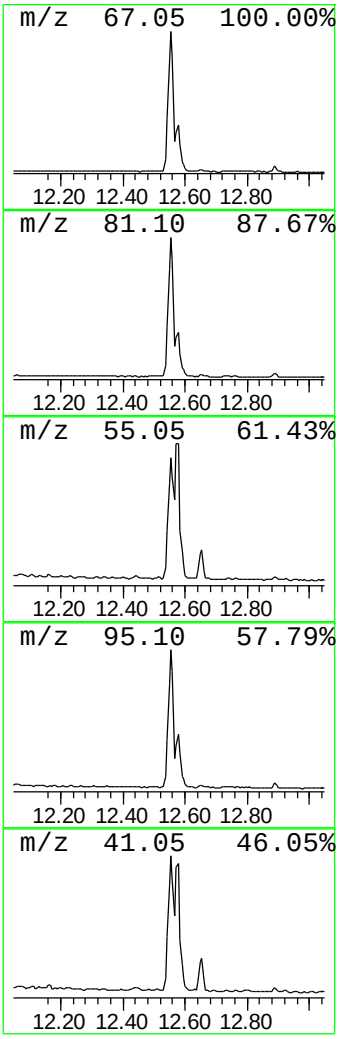
Peak Number 18 9,12-Octadecadienoic acid, ... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.55	133.41 ng	2000990	Phenanthrene-d10	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002566-97-4	99
2	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002462-85-3	99
3	9,15-Octadecadienoic acid, methy...	294	C19H34O2	017309-05-6	99
4	Methyl 9-cis,11-trans-octadecadi...	294	C19H34O2	1000336-44-0	98
5	10,13-Octadecadienoic acid, meth...	294	C19H34O2	056554-62-2	97





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Data File : BF106881.D
Acq On : 27 Jun 2018 19:21
Operator : JU/SJ
Sample : J3242-05 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-02-062618-C

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

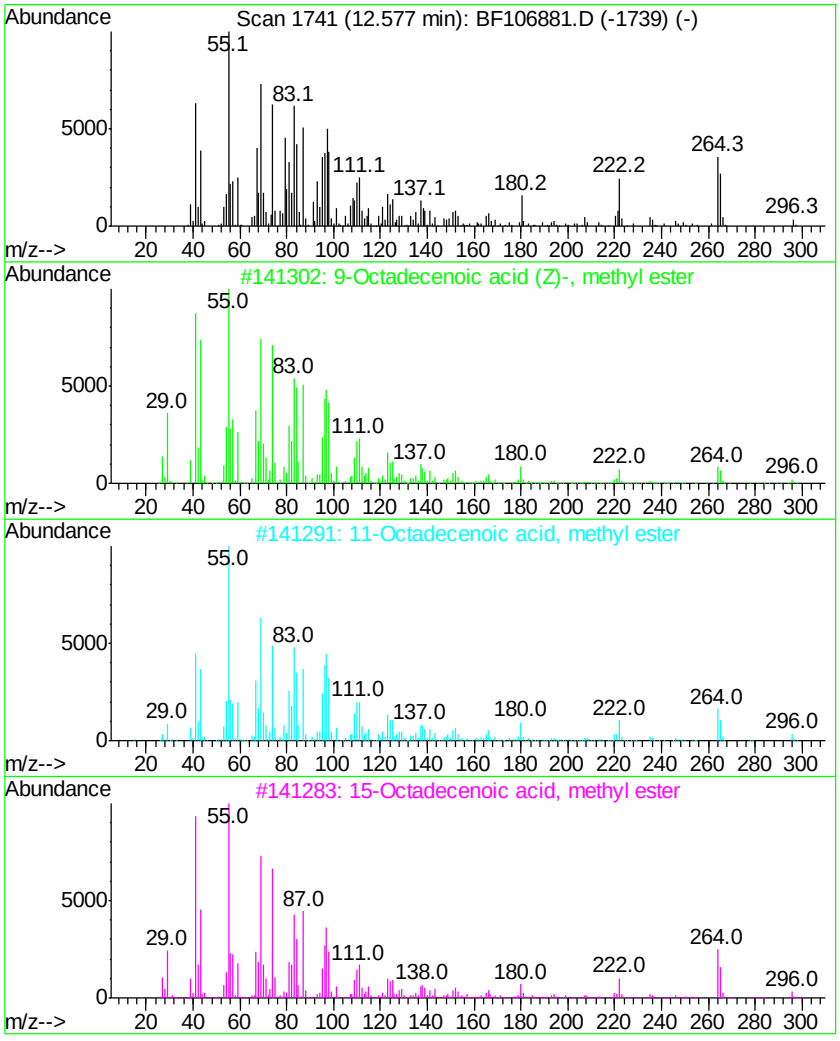
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

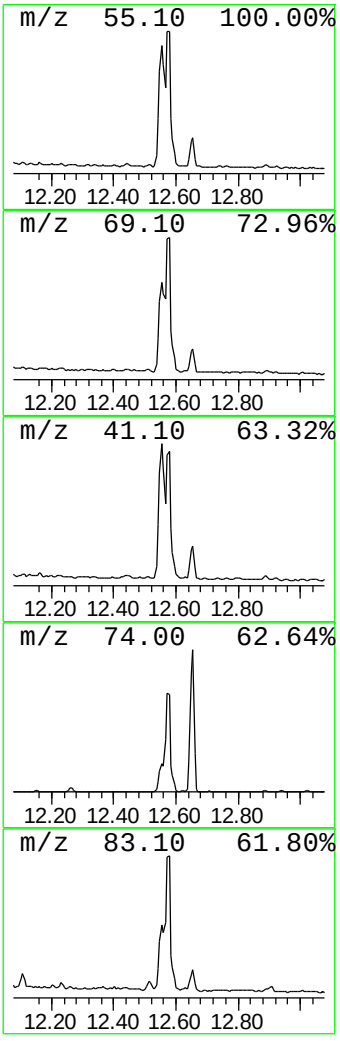
****

Peak Number 19 9-Octadecenoic acid (Z)-, m... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.58	90.95 ng	1364020	Phenanthrene-d10	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Octadecenoic acid (Z)-, methyl...	296	C19H36O2	000112-62-9	99
2	11-Octadecenoic acid, methyl ester	296	C19H36O2	052380-33-3	99
3	15-Octadecenoic acid, methyl ester	296	C19H36O2	004764-72-1	99
4	16-Octadecenoic acid, methyl ester	296	C19H36O2	056554-49-5	98
5	14-Octadecenoic acid, methyl ester	296	C19H36O2	056554-48-4	98





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062718\
Data File : BF106881.D
Acq On : 27 Jun 2018 19:21
Operator : JU/SJ
Sample : J3242-05 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-02-062618-C

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

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

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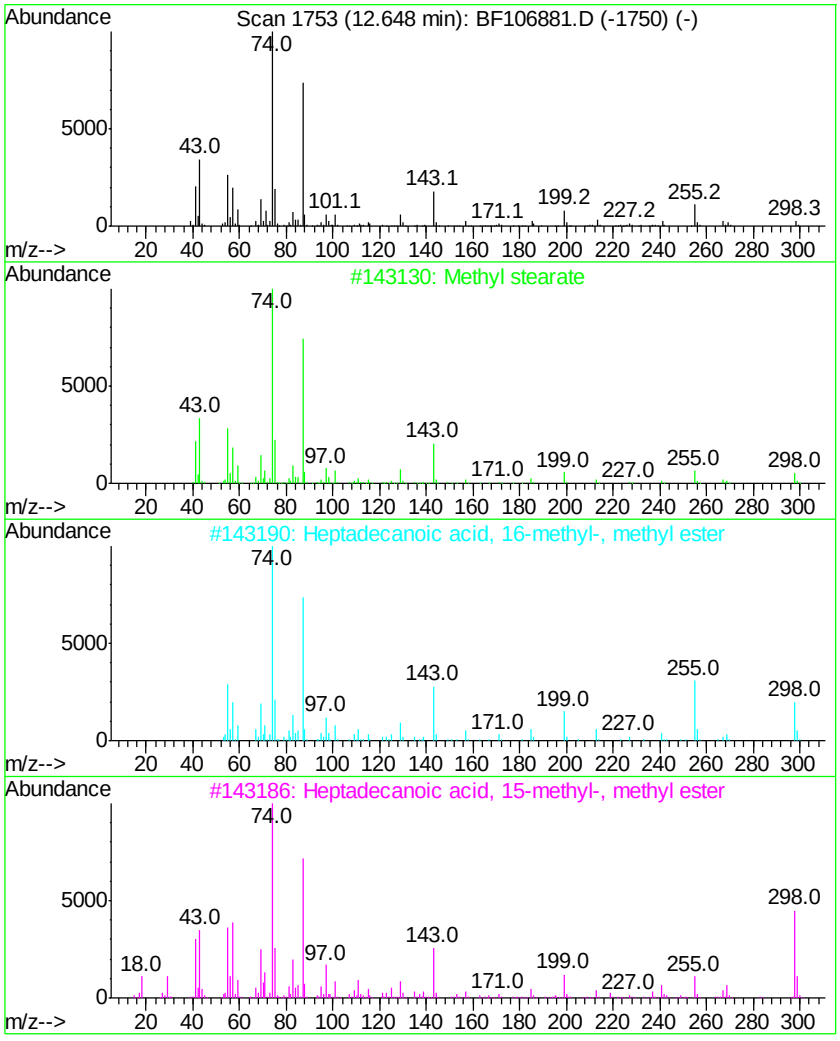
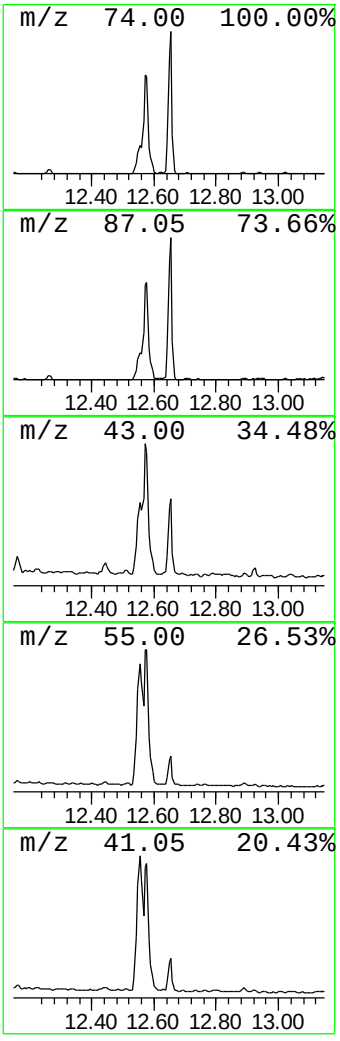
Peak Number 20 Methyl stearate Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.65	25.70 ng	385398	Phenanthrene-d10	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methyl stearate	298	C19H38O2	000112-61-8	97
2	Heptadecanoic acid, 16-methyl-, ...	298	C19H38O2	005129-61-3	93
3	Heptadecanoic acid, 15-methyl-, ...	298	C19H38O2	054833-55-5	90
4	Pentadecanoic acid, methyl ester	256	C16H32O2	007132-64-1	89
5	Methyl tetradecanoate	242	C15H30O2	000124-10-7	83





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF062718\
Data File : BF106881.D
Acq On : 27 Jun 2018 19:21
Operator : JU/SJ
Sample : J3242-05 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-02-062618-C

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

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
unknown6.72	6.72	15.5	ng	182092	1	6.95	235136	20.0
Heneicosane	8.64	7.4	ng	129248	2	8.24	347392	20.0
Dodecane, 2,7,10-...	9.24	16.5	ng	234240	3	10.00	284415	20.0
unknown9.38	9.38	18.8	ng	266979	3	10.00	284415	20.0
Heptadecane, 2,6,...	9.70	33.2	ng	471527	3	10.00	284415	20.0
7-Hexadecene, (Z)-	9.85	6.8	ng	96988	3	10.00	284415	20.0
2-Pentanone, 4-cy...	9.90	9.6	ng	135828	3	10.00	284415	20.0
unknown9.94	9.94	5.2	ng	73307	3	10.00	284415	20.0
Naphthalene, 1,6,...	10.31	5.4	ng	76506	3	10.00	284415	20.0
Dodecane	10.40	7.4	ng	105731	3	10.00	284415	20.0
Octadecane, 1-chl...	10.44	5.7	ng	80586	3	10.00	284415	20.0
Bacchotricuneatin c	10.62	30.4	ng	431591	3	10.00	284415	20.0
Undecane, 6-ethyl-	10.90	48.8	ng	731573	4	11.49	299966	20.0
Hexadecane	11.36	29.7	ng	446103	4	11.49	299966	20.0
Octadecane	11.71	11.0	ng	165116	4	11.49	299966	20.0
Hexadecanoic acid...	11.86	47.9	ng	717948	4	11.49	299966	20.0
9,12-Octadecadien...	12.55	133.4	ng	2000990	4	11.49	299966	20.0
9-Octadecenoic ac...	12.58	91.0	ng	1364020	4	11.49	299966	20.0
Methyl stearate	12.65	25.7	ng	385398	4	11.49	299966	20.0