LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082218\
Data File : BF108392.D
Acq On : 22 Aug 2018 19:22
Operator : JU/SJ
Sample : J4559-09
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RA-081718-WSW-20-053

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-BF080818.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	4.160	305	310	315	rVB	37671	43830	1.32%	0.103%
2	5.248	491	495	502	rBV	126321	159879	4.83%	0.374%
3	5.501	535	538	541	rBV	63796	57899	1.75%	0.135%
4	5.631	552	560	563	rBV	2932956	3258998	98.50%	7.627%
5	5.860	595	599	603	rBV	45289	45367	1.37%	0.106%
6	6.237	660	663	665	rBV	42468	39776	1.20%	0.093%
7	6.295	668	673	676	rVB	33477	38112	1.15%	0.089%
8	6.460	698	701	703	rBV	53886	40977	1.24%	0.096%
9	6.484	703	705	709	rVB	54462	45760	1.38%	0.107%
10	6.525	709	712	715	rBV2	69904	101514	3.07%	0.238%
11	6.625	722	729	732	rBV	3192843	3308758	100.00%	7.743%
12	6.684	735	739	743	rVB3	37096	59519	1.80%	0.139%
13	6.772	749	754	757	rBV	3520174	3207587	96.94%	7.507%
14	6.819	759	762	766	rBV	170706	155877	4.71%	0.365%
15	7.001	788	793	796	rBV	1109400	983683	29.73%	2.302%
16	7.054	796	802	804	rBV2	34018	35899	1.08%	0.084%
17	7.131	813	815	816	rBV	40692	34621	1.05%	0.081%
18	7.154	816	819	822	rVV	2452604	2250733	68.02%	5.267%
19	7.237	831	833	835	rBV	57132	52552	1.59%	0.123%
20	7.266	835	838	841	rVV	96481	93906	2.84%	0.220%
21	7.307	843	845	852	rVB2	115441	144945	4.38%	0.339%
22	7.389	856	859	862	rVV2	45003	66145	2.00%	0.155%
23	7.419	862	864	868	rVB4	37162	43047	1.30%	0.101%
24	7.525	877	882	884	rBV2	175247	189525	5.73%	0.444%
25	7.566	884	889	896	rVB	2124741	2219985	67.09%	5.195%
26	7.637	896	901	904	rVB5	60852	102578	3.10%	0.240%
27	7.684	904	909	912	rBV4	43421	69116	2.09%	0.162%
28	7.760	919	922	925	rBV	164005	117954	3.56%	0.276%
29	7.789	925	927	928	rBV	44622	36465	1.10%	0.085%
30	7.872	936	941	943	rBV2	40212	53510	1.62%	0.125%
31	7.919	946	949	952	rBV4	69209	70048	2.12%	0.164%
32	7.948	952	954	958	rVB3	60626	49850	1.51%	0.117%
33	8.013	962	965	968	rBV	163125	134885	4.08%	0.316%
34	8.089	974	978	981	rBV3	45022	44594	1.35%	0.104%

LSC Area Percent Report

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Sample : J4559-09
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RA-081718-WSW-20-053

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

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Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	8.142	984	987	990	rVB	86508	72167	2.18%	0.169%
36	8.248	1002	1005	1006	rBV2	44206	48547	1.47%	0.114%
37	8.284	1006	1011	1014	rVV	1440417	1297946	39.23%	3.038%
38	8.325	1016	1018	1021	rVB	197507	154277	4.66%	0.361%
39	8.360	1021	1024	1030	rBV3	74536	82766	2.50%	0.194%
40	8.419	1030	1034	1037	rBV4	22460	36008	1.09%	0.084%
41	8.478	1042	1044	1050	rVB3	69185	66279	2.00%	0.155%
42	8.560	1054	1058	1063	rVB5	85973	105697	3.19%	0.247%
43	8.660	1072	1075	1077	rBV	54132	48288	1.46%	0.113%
44	8.684	1077	1079	1082	rVB	129055	92995	2.81%	0.218%
45	8.713	1082	1084	1087	rBV3	47763	47786	1.44%	0.112%
46	8.742	1087	1089	1093	rVB	50280	48776	1.47%	0.114%
47	8.784	1093	1096	1098	rBV2	62951	55310	1.67%	0.129%
48	8.901	1113	1116	1118	rBV3	38316	49639	1.50%	0.116%
49	8.948	1122	1124	1126	rVV2	62110	60079	1.82%	0.141%
50	8.995	1130	1132	1135	rBV	97786	69726	2.11%	0.163%
51	9.054	1139	1142	1144	rBV3	69130	79743	2.41%	0.187%
52	9.095	1147	1149	1152	rVB2	108634	88150	2.66%	0.206%
53	9.178	1161	1163	1167	rVB3	58090	62193	1.88%	0.146%
54	9.219	1167	1170	1173	rBV4	41076	47010	1.42%	0.110%
55	9.283	1179	1181	1184	rVB	170806	144170	4.36%	0.337%
56	9.354	1189	1193	1197	rBV	3350470	3192372	96.48%	7.471%
57	9.431	1202	1206	1208	rBV3	106787	141215	4.27%	0.330%
58	9.460	1208	1211	1214	rVV3	90039	78239	2.36%	0.183%
59	9.625	1235	1239	1242	rBV3	85083	128882	3.90%	0.302%
60	9.701	1249	1252	1254	rVB	85234	78341	2.37%	0.183%
61	9.748	1256	1260	1263	rVB	1270929	1049024	31.70%	2.455%
62	9.901	1280	1286	1289	rBV5	160463	204407	6.18%	0.478%
63	9.954	1292	1295	1299	rVB2	139020	145901	4.41%	0.341%
64	9.995	1299	1302	1304	rBV3	54747	62958	1.90%	0.147%
65	10.048	1307	1311	1314	rVV	1338353	1226622	37.07%	2.871%
66	10.078	1314	1316	1319	rVB	232931	183706	5.55%	0.430%
67	10.183	1331	1334	1337	rBV4	80641	116937	3.53%	0.274%
68	10.242	1341	1344	1347	rVV2	113673	140778	4.25%	0.329%
69	10.283	1348	1351	1354	rVB3	111062	138413	4.18%	0.324%
70	10.360	1361	1364	1366	rBV2	159032	173986	5.26%	0.407%
71	10.389	1366	1369	1374	rVV3	110949	164369	4.97%	0.385%

LSC Area Percent Report

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Instrument : BNA_F
ClientSampleId : RA-081718-WSW-20-053

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
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72	10.436	1374	1377	1378	rVV	122576	139888	4.23%	0.327%
73	10.454	1378	1380	1383	rVB3	176144	158910	4.80%	0.372%
74	10.595	1401	1404	1410	rVB3	161192	176780	5.34%	0.414%
75	10.678	1413	1418	1420	rBV	354360	382368	11.56%	0.895%
76	10.836	1442	1445	1449	rBV	2104963	2109848	63.77%	4.938%
77	10.942	1459	1463	1467	rBV	575553	658814	19.91%	1.542%
78	11.407	1540	1542	1545	rVB	415406	378254	11.43%	0.885%
79	11.542	1562	1565	1567	rBV	1225819	1053427	31.84%	2.465%
80	11.566	1567	1569	1572	rVB	1332309	1004552	30.36%	2.351%
81	11.619	1575	1578	1580	rBV	282653	264350	7.99%	0.619%
82	11.766	1600	1603	1606	rBV2	276708	337707	10.21%	0.790%
83	12.766	1770	1773	1776	rBV	1556932	1403932	42.43%	3.286%
84	13.001	1807	1813	1817	rBV	1344962	1579711	47.74%	3.697%
85	13.130	1832	1835	1838	rBV	1956049	1614554	48.80%	3.778%
86	14.201	2013	2017	2019	rBV2	798499	1087490	32.87%	2.545%
87	15.701	2268	2272	2276	rBV	658789	900980	27.23%	2.109%
88	16.524	2409	2412	2420	rVB	579943	1042904	31.52%	2.441%
89	17.001	2490	2493	2506	rVB	557395	1094219	33.07%	2.561%

Sum of corrected areas: 42730284

LSC Report - Integrated Chromatogram

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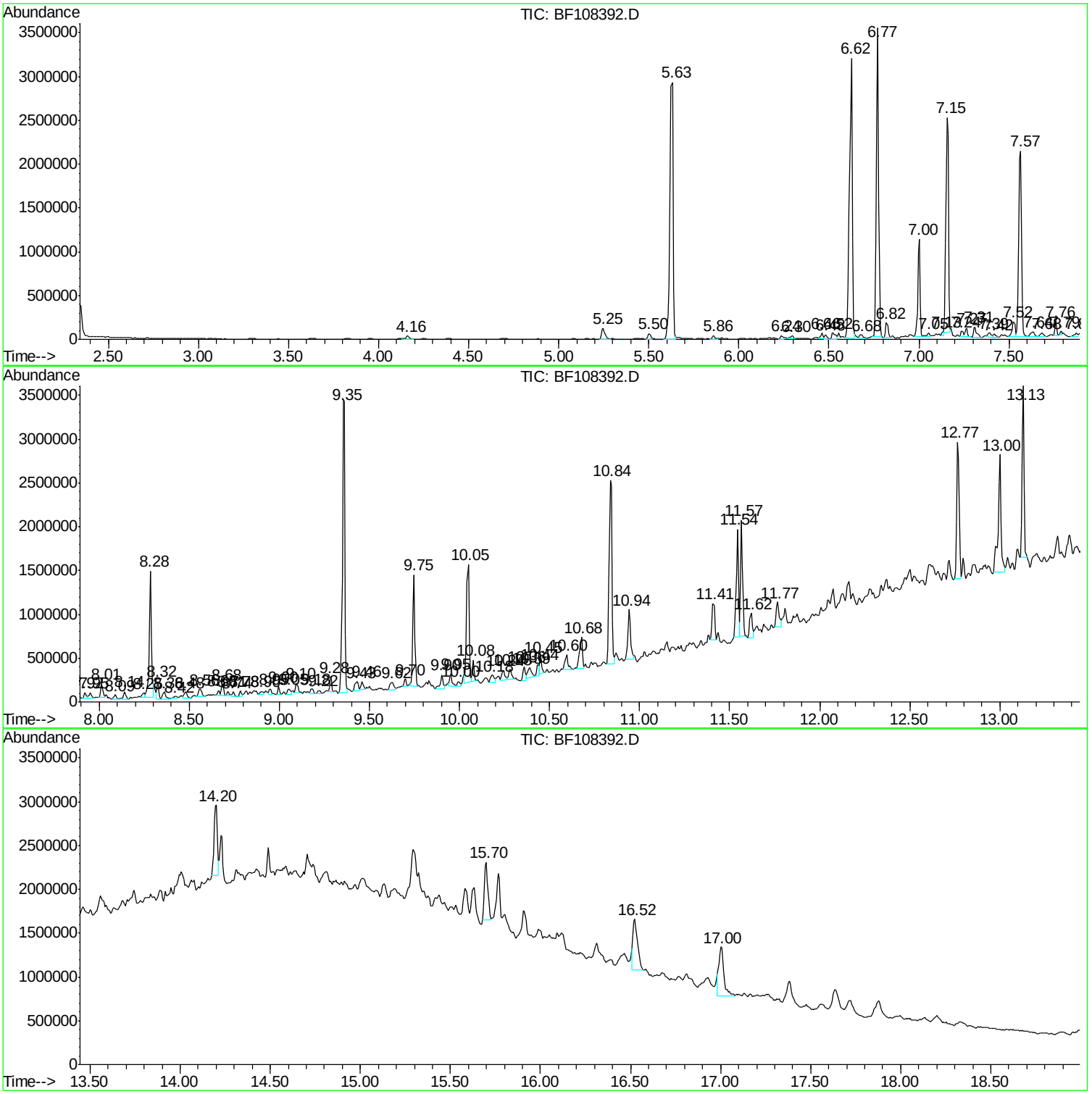
Sample : J4559-09
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RA-081718-WSW-20-053

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.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\BF082218\
Data File : BF108392.D
Acq On : 22 Aug 2018 19:22
Operator : JU/SJ
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Instrument : BNA_F
ClientSampleId : RA-081718-WSW-20-053

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

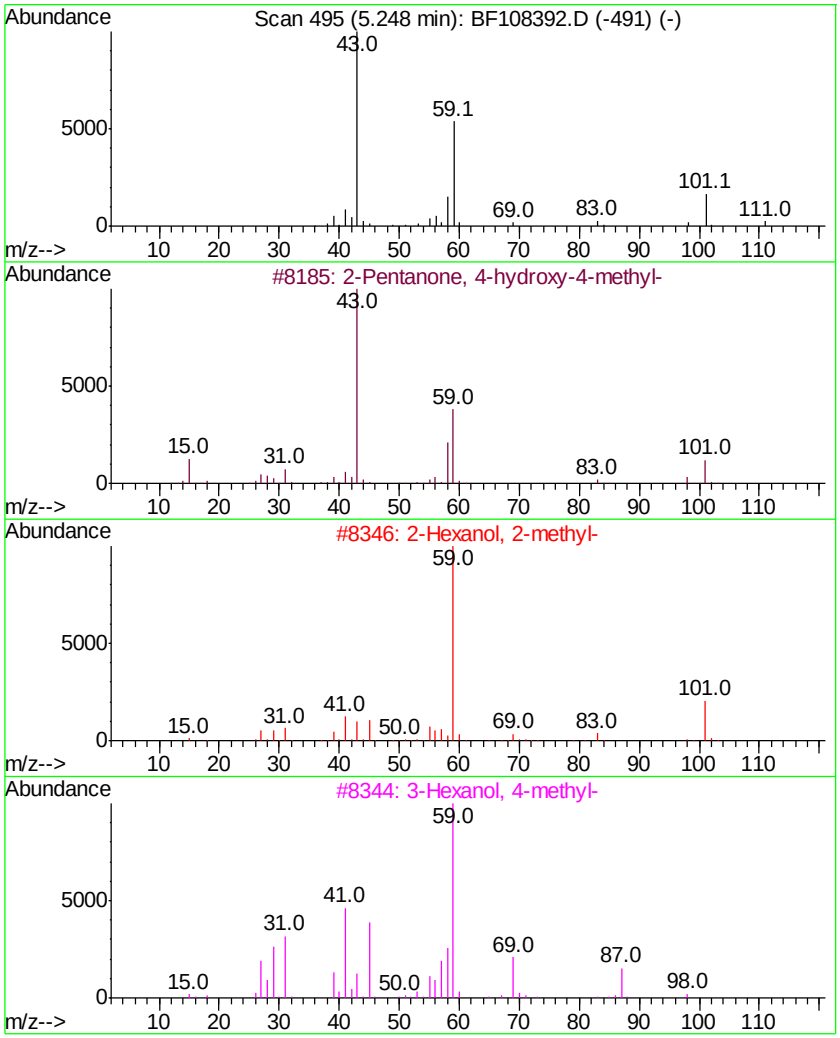
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

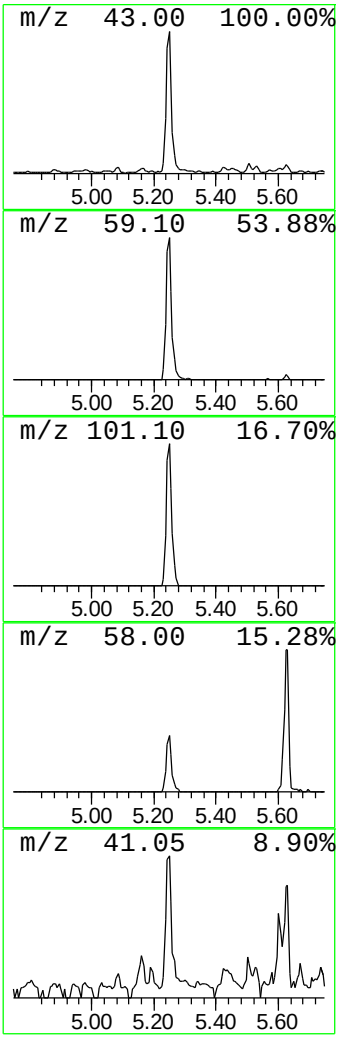
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.25	3.25 ng	159879	1,4-Dichlorobenzene-d4	7.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	38
3	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	28
4	3-Hydroxy-3-methyl-2-butanone	102	C5H10O2	000115-22-0	17
5	5-Oxohexanenitrile	111	C6H9NO	010412-98-3	10





Library Search Compound Report

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Operator : JU/SJ
Sample : J4559-09
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RA-081718-WSW-20-053

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

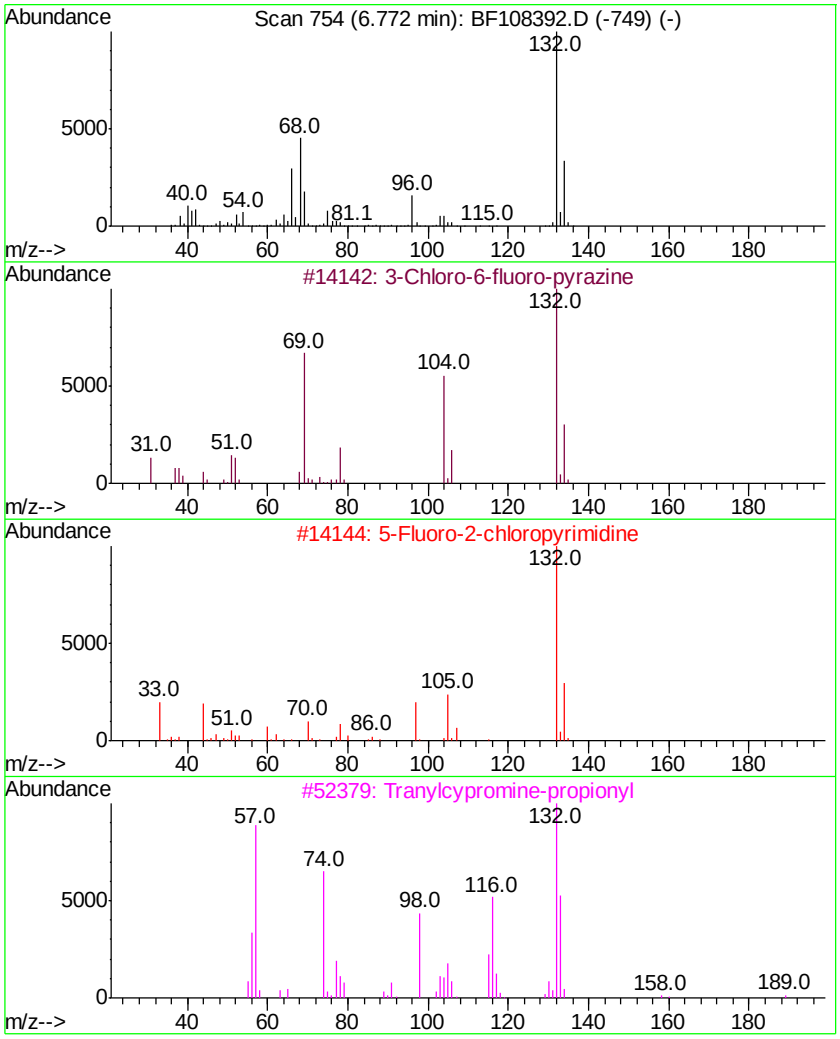
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

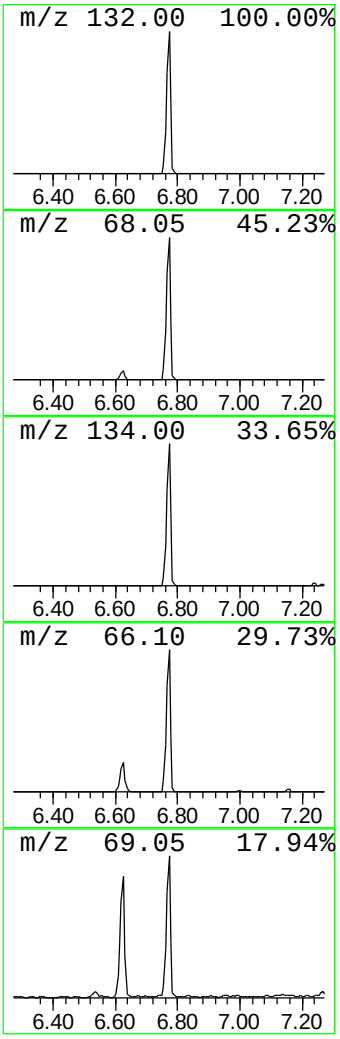
****

Peak Number 2 unknown6.77 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.77	65.22 ng	3207590	1,4-Dichlorobenzene-d4	7.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5	Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	9





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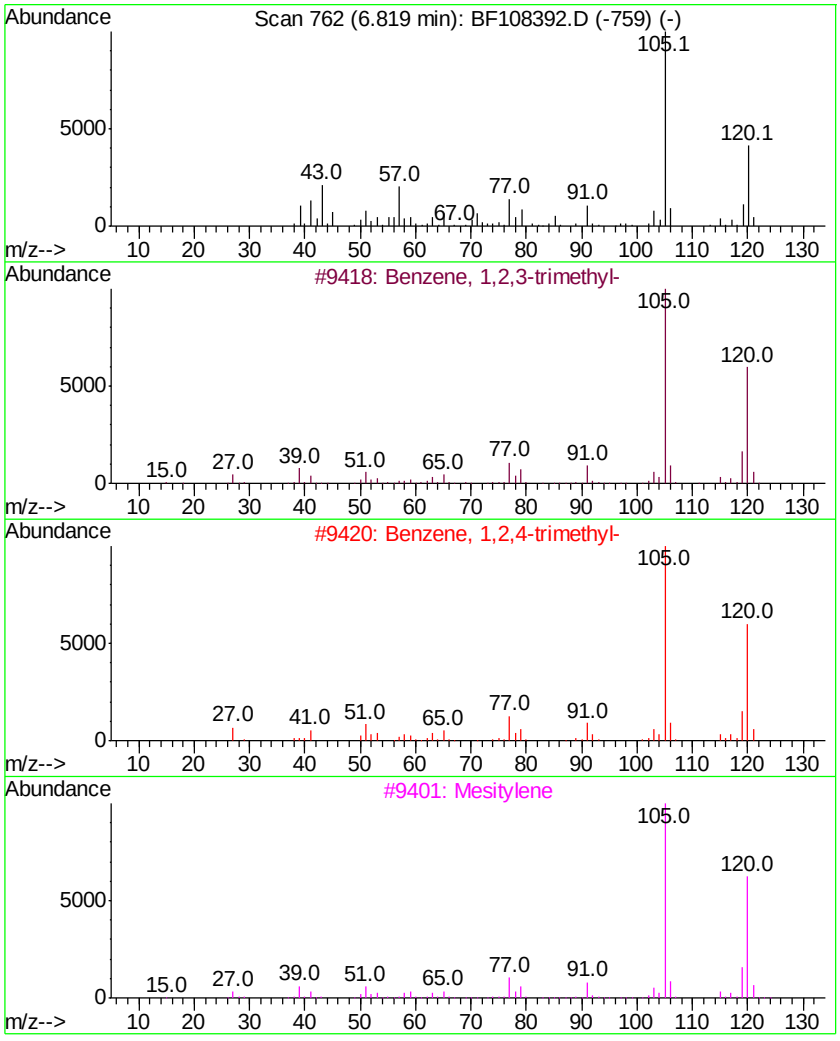
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

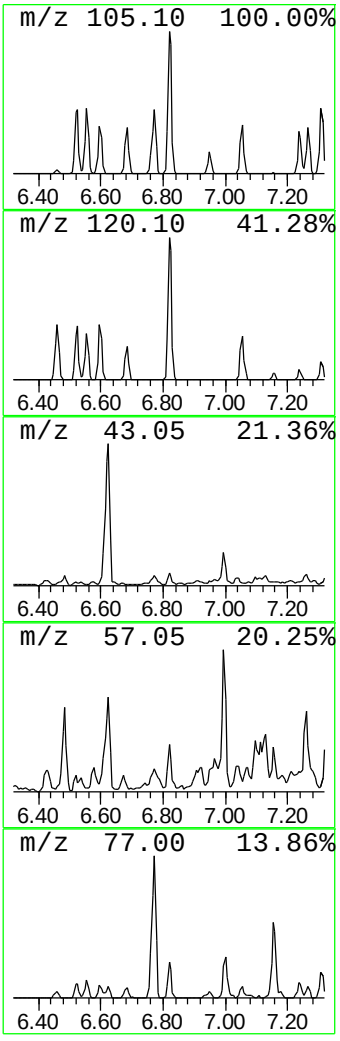
****

Peak Number 3 Benzene, 1,2,3-trimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.82	3.17 ng	155877	1,4-Dichlorobenzene-d4	7.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	97
2	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	95
3	Mesitylene	120	C9H12	000108-67-8	94
4	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	93
5	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	90





Library Search Compound Report

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
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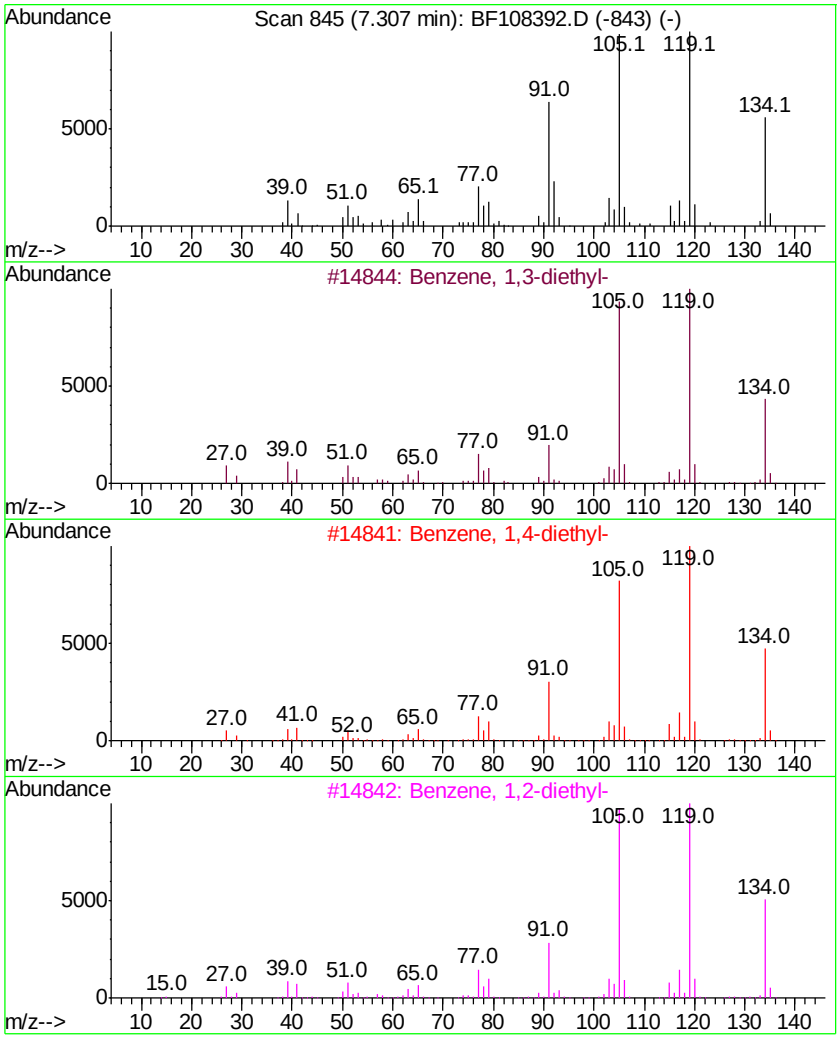
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

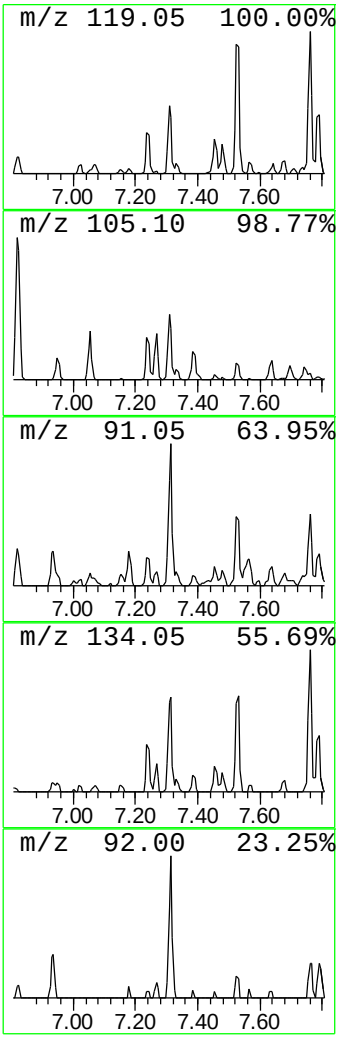
****

Peak Number 5 Benzene, 1,3-diethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.31	2.95 ng	144945	1,4-Dichlorobenzene-d4	7.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	96
2	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	93
3	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	93
4	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	87
5	1,3,8-p-Menthatriene	134	C10H14	018368-95-1	87





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Instrument : BNA_F
ClientSampleId : RA-081718-WSW-20-053

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

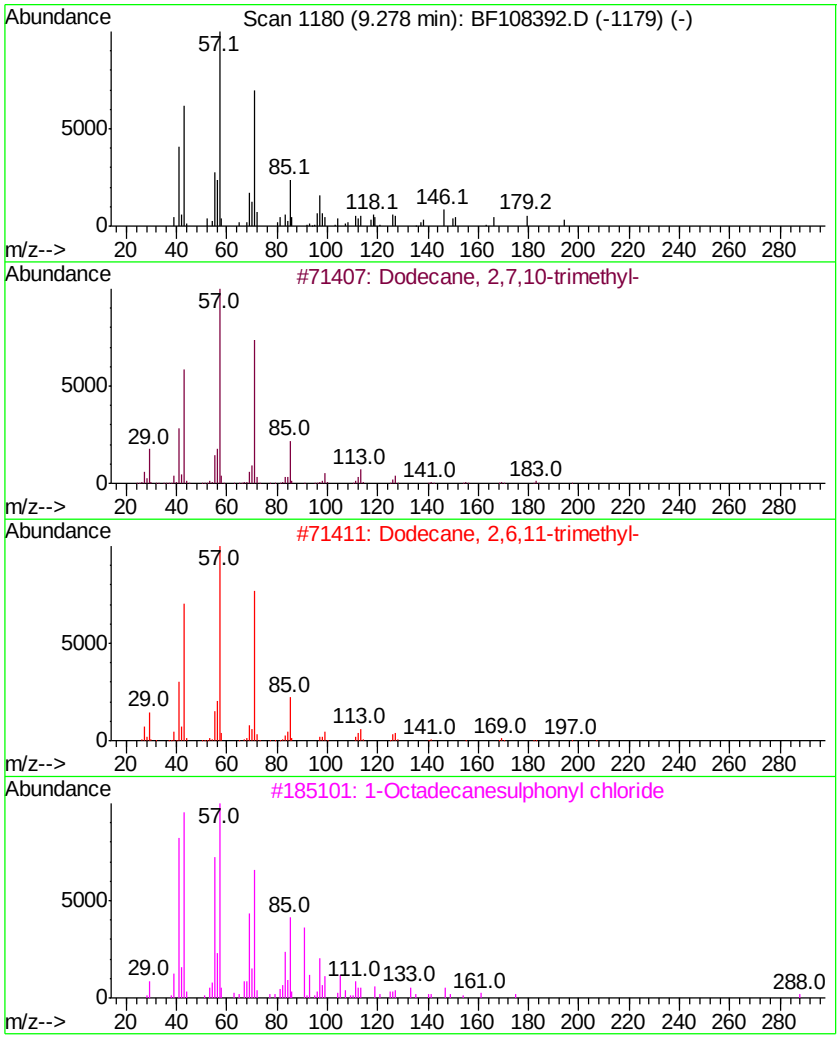
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

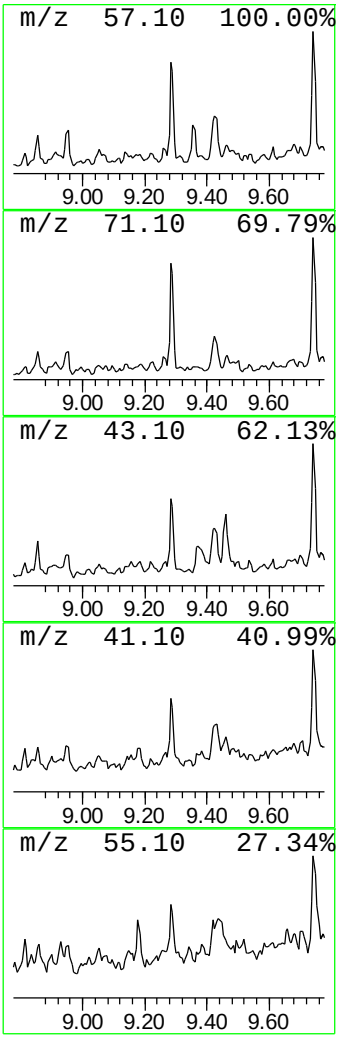
****

Peak Number 6 Dodecane, 2,7,10-trimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.28	2.35 ng	144170	Acenaphthene-d10	10.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	83
2	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	78
3	1-Octadecanesulphonyl chloride	352	C18H37ClO2S	1000342-70-4	72
4	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	72
5	Nonane, 3-methyl-5-propyl-	184	C13H28	031081-18-2	64





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Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RA-081718-WSW-20-053

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.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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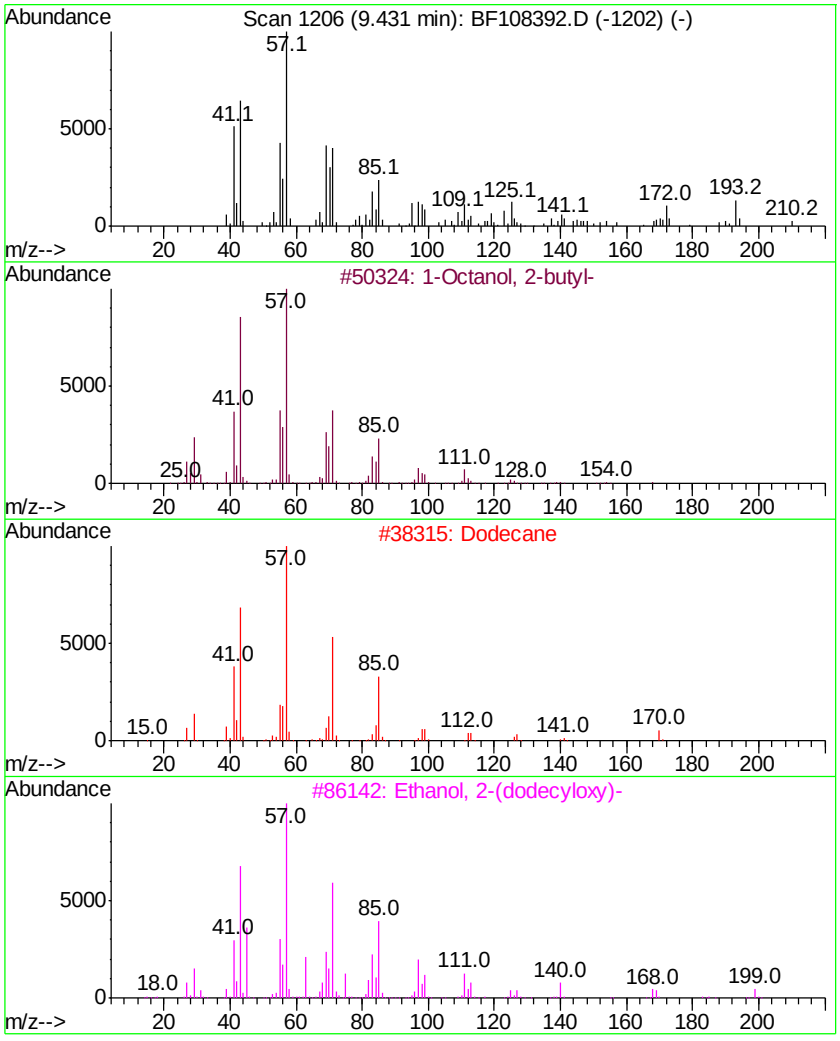
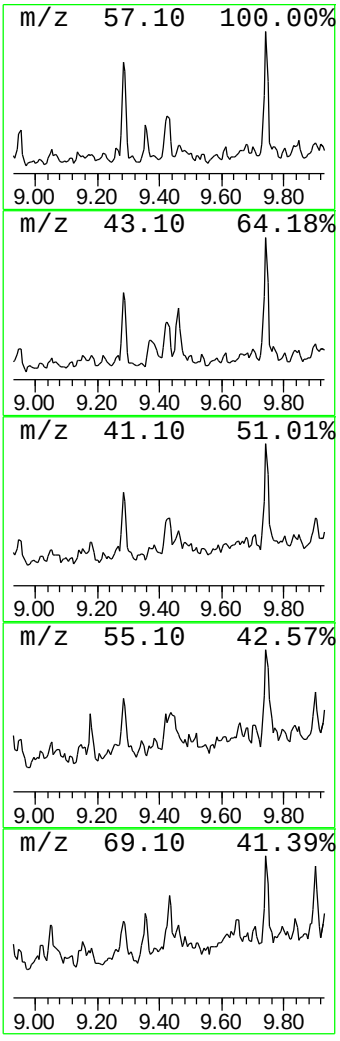
Peak Number 7 1-Octanol, 2-butyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.43	2.30 ng	141215	Acenaphthene-d10	10.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Octanol, 2-butyl-	186	C12H26O	003913-02-8	50
2	Dodecane	170	C12H26	000112-40-3	50
3	Ethanol, 2-(dodecyloxy)-	230	C14H30O2	004536-30-5	49
4	1-Octadecanesulphonyl chloride	352	C18H37ClO2S	1000342-70-4	49
5	Octadecane, 1-bromo-	332	C18H37Br	000112-89-0	49





Library Search Compound Report

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Data File : BF108392.D
Acq On : 22 Aug 2018 19:22
Operator : JU/SJ
Sample : J4559-09
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RA-081718-WSW-20-053

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.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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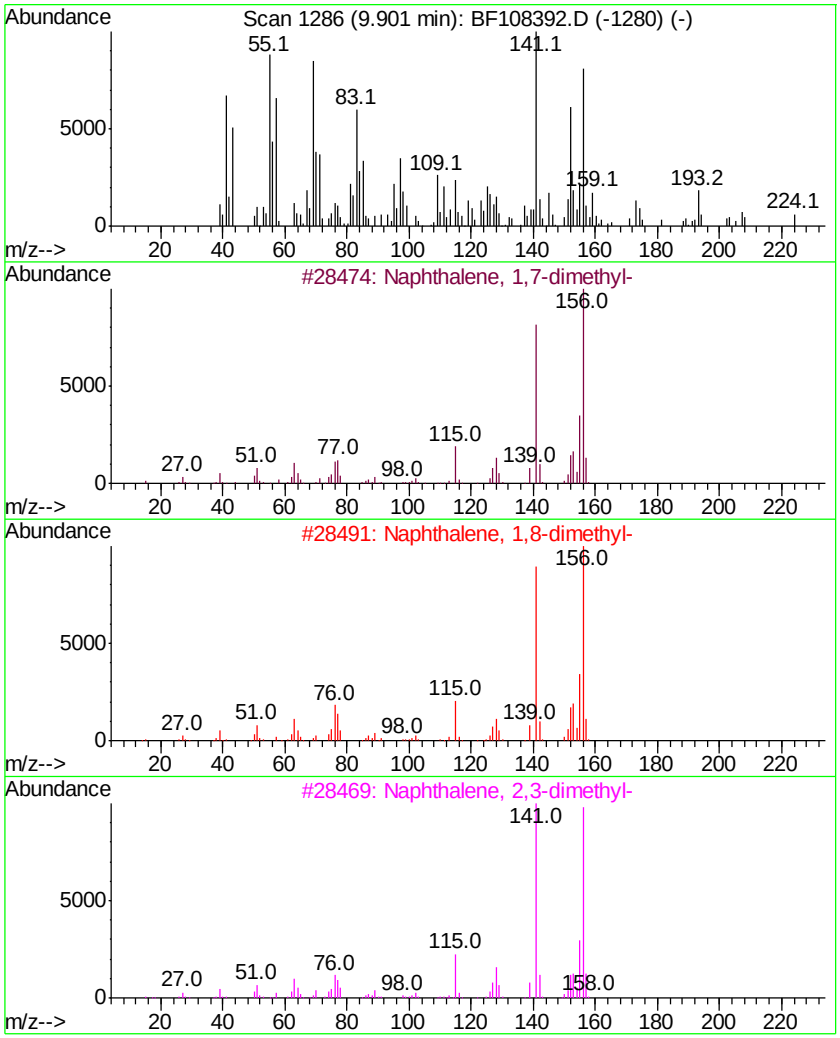
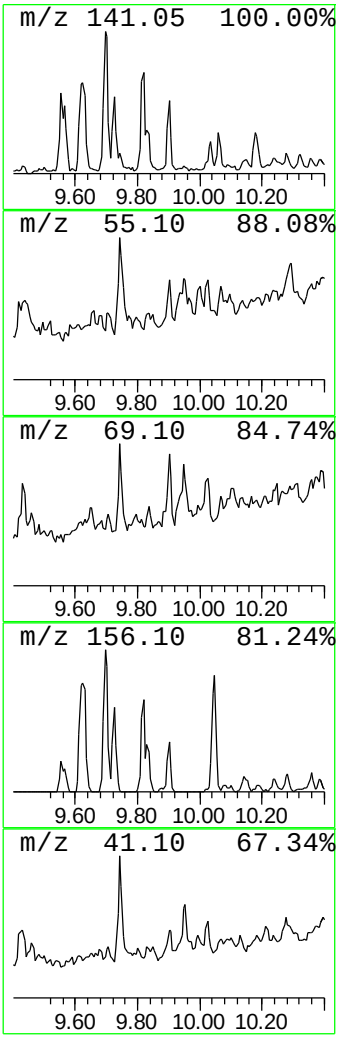
Peak Number 8 Naphthalene, 1,7-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.90	3.33 ng	204407	Acenaphthene-d10	10.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	94
2	Naphthalene, 1,8-dimethyl-	156	C12H12	000569-41-5	94
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	94
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	89
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	87





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Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RA-081718-WSW-20-053

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.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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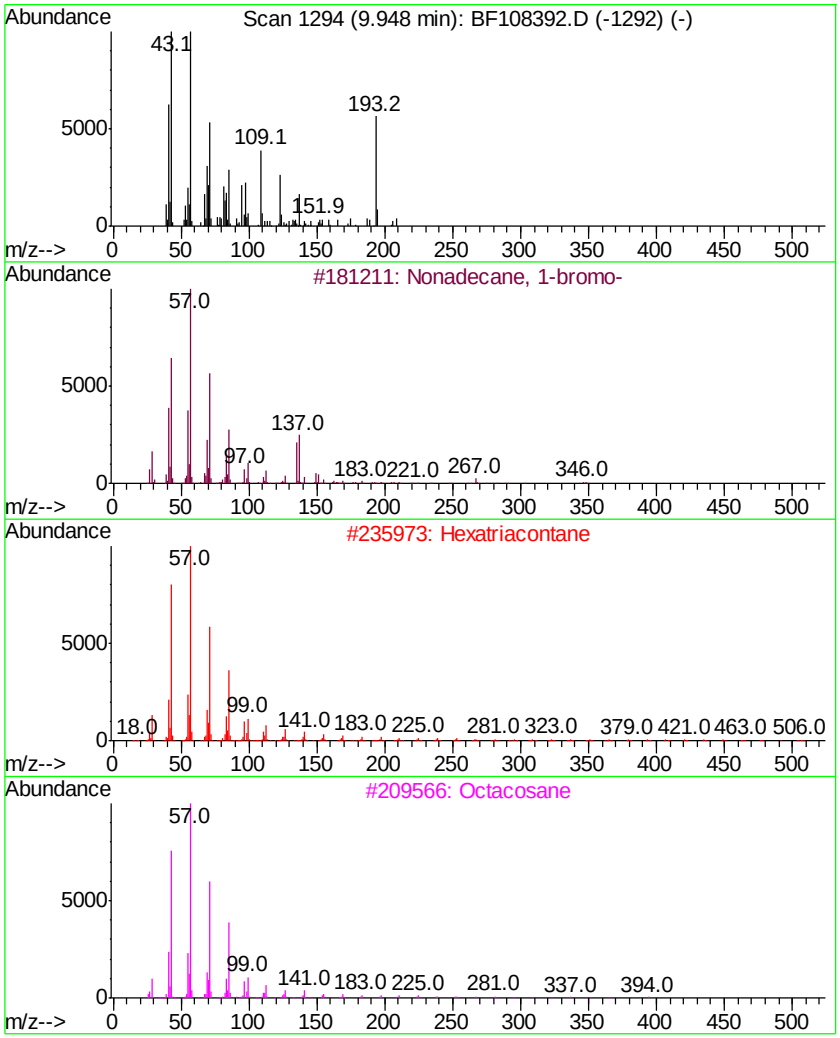
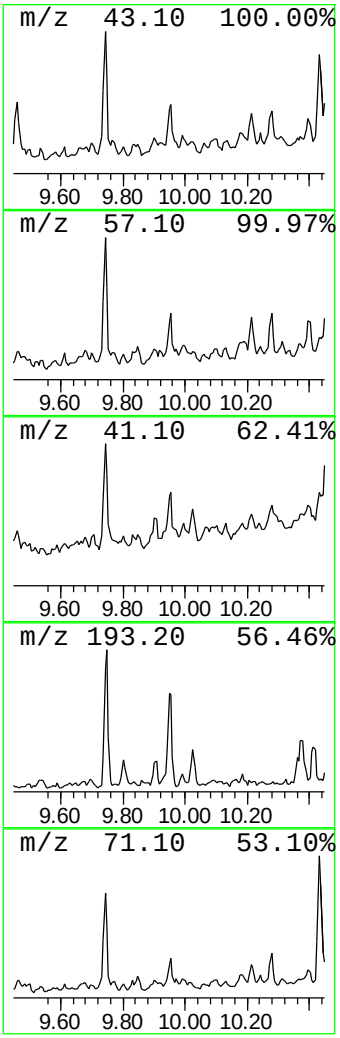
Peak Number 9 unknown9.95 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.95	2.38 ng	145901	Acenaphthene-d10	10.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane, 1-bromo-	346	C19H39Br	004434-66-6	38
2	Hexatriacontane	507	C36H74	000630-06-8	38
3	Octacosane	394	C28H58	000630-02-4	38
4	Undecane, 2,3-dimethyl-	184	C13H28	017312-77-5	38
5	Hexacosane	366	C26H54	000630-01-3	35





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Sample : J4559-09
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ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RA-081718-WSW-20-053

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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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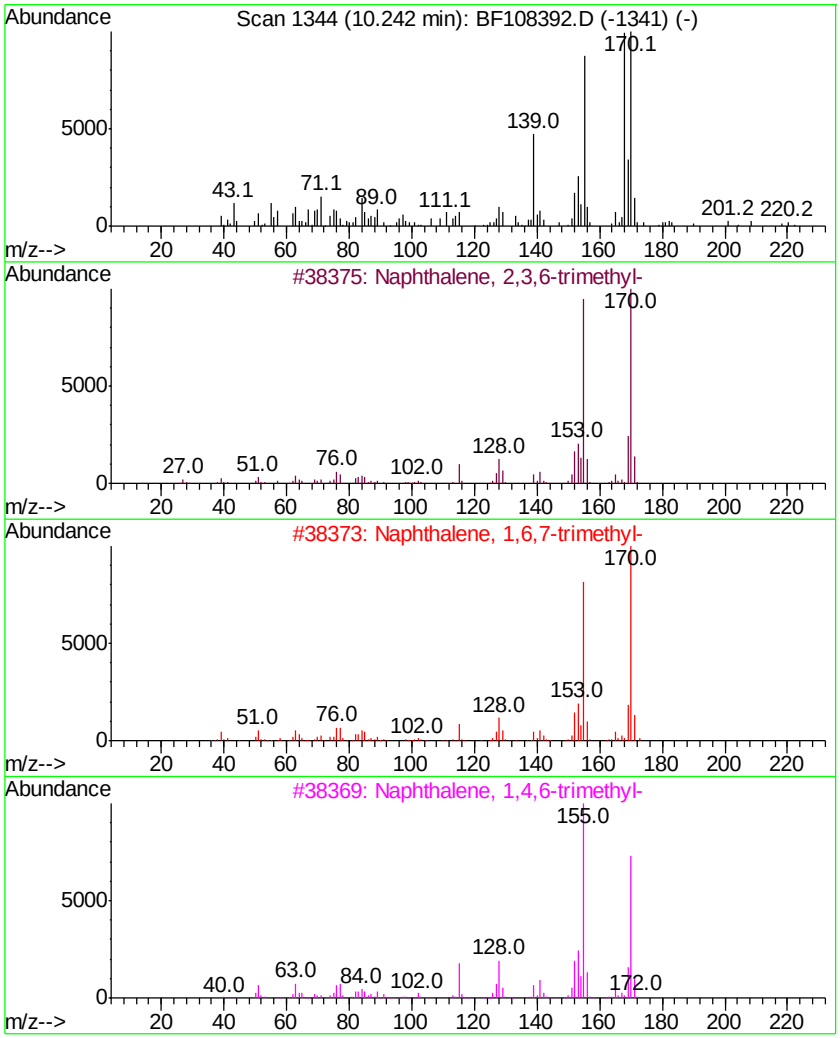
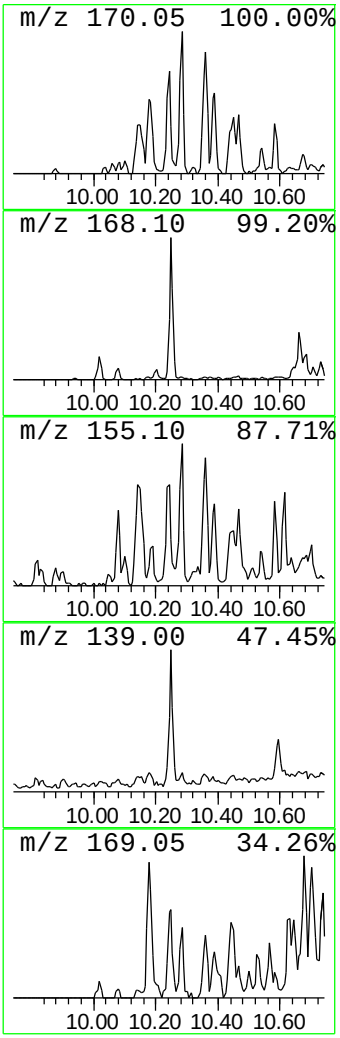
Peak Number 10 Naphthalene, 2,3,6-trimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.24	2.30 ng	140778	Acenaphthene-d10	10.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	92
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	90
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	83
4	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	78
5	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	60





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Sample : J4559-09
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RA-081718-WSW-20-053

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.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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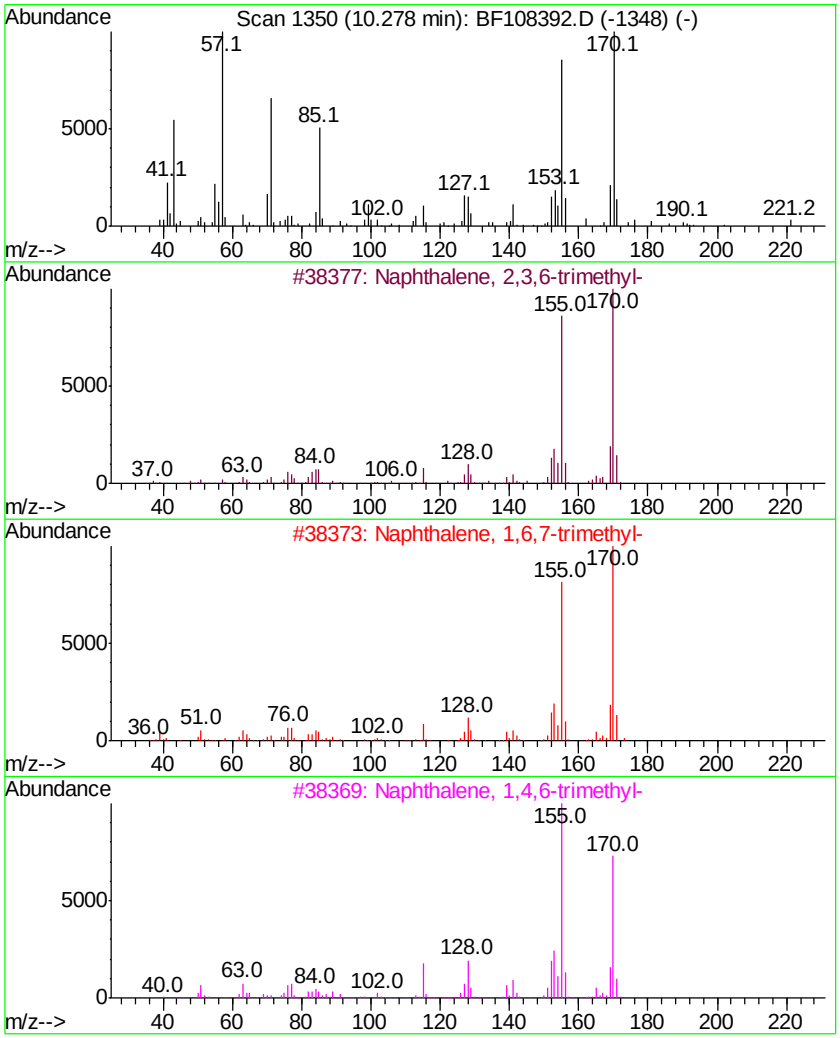
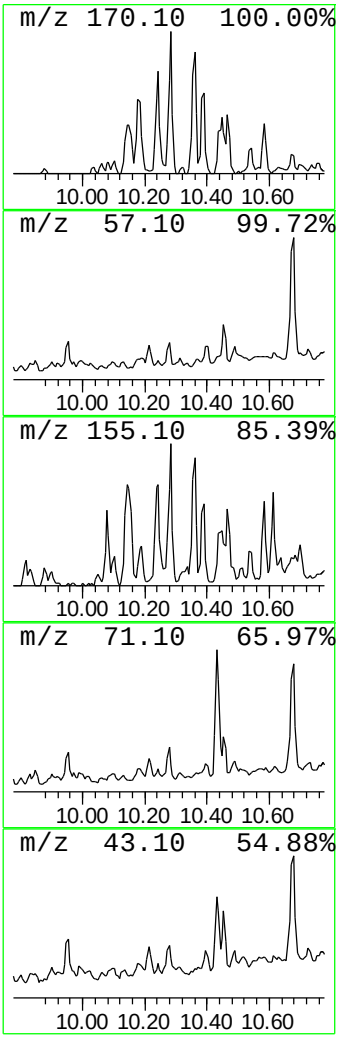
Peak Number 11 1-(2,2-Dimethylcyclopropyl)... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.28	2.26 ng	138413	Acenaphthene-d10	10.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	94
4	1-(2,2-Dimethylcyclopropyl)-2-ph...	170	C13H14	1000294-91-1	93
5	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	91





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Sample : J4559-09
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RA-081718-WSW-20-053

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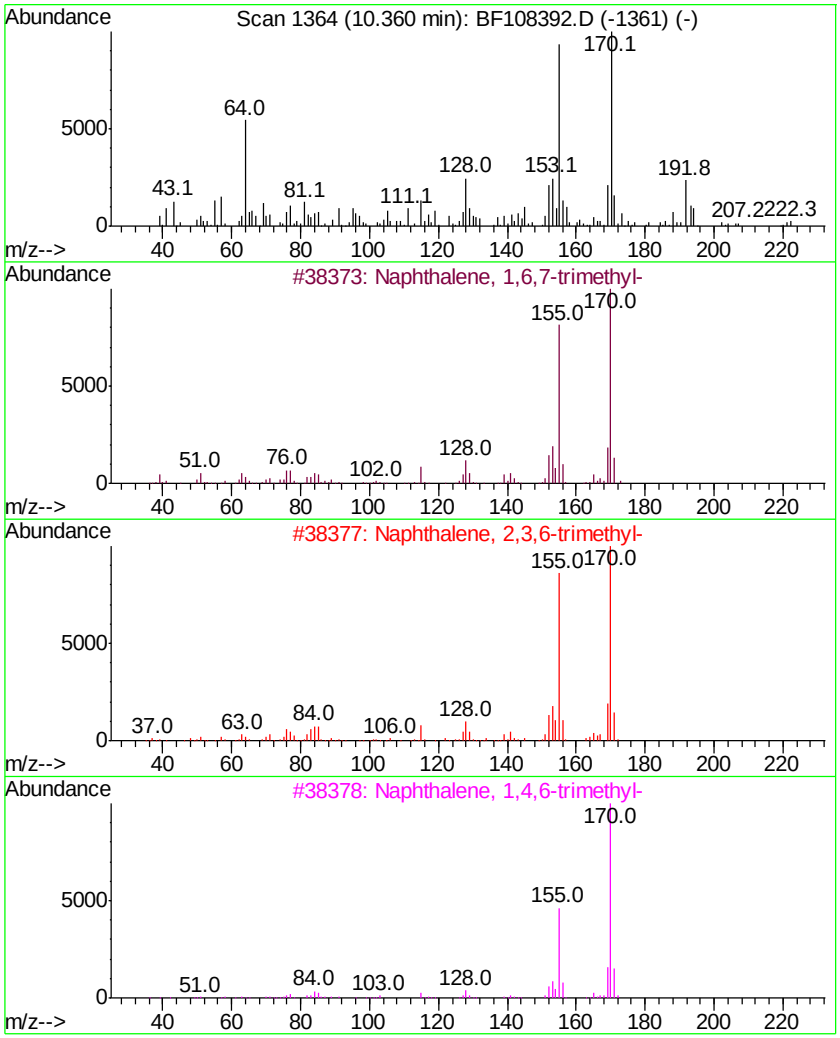
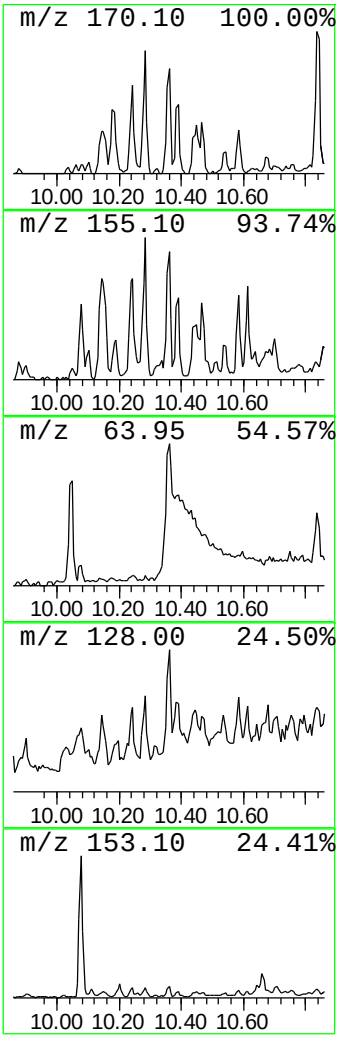
Peak Number 12 Naphthalene, 1,6,7-trimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.36	2.84 ng	173986	Acenaphthene-d10	10.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	95
2	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	86
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	64
4	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	62
5	1-(2,2-Dimethylcyclopropyl)-2-ph...	170	C13H14	1000294-91-1	50





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Operator : JU/SJ
Sample : J4559-09
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RA-081718-WSW-20-053

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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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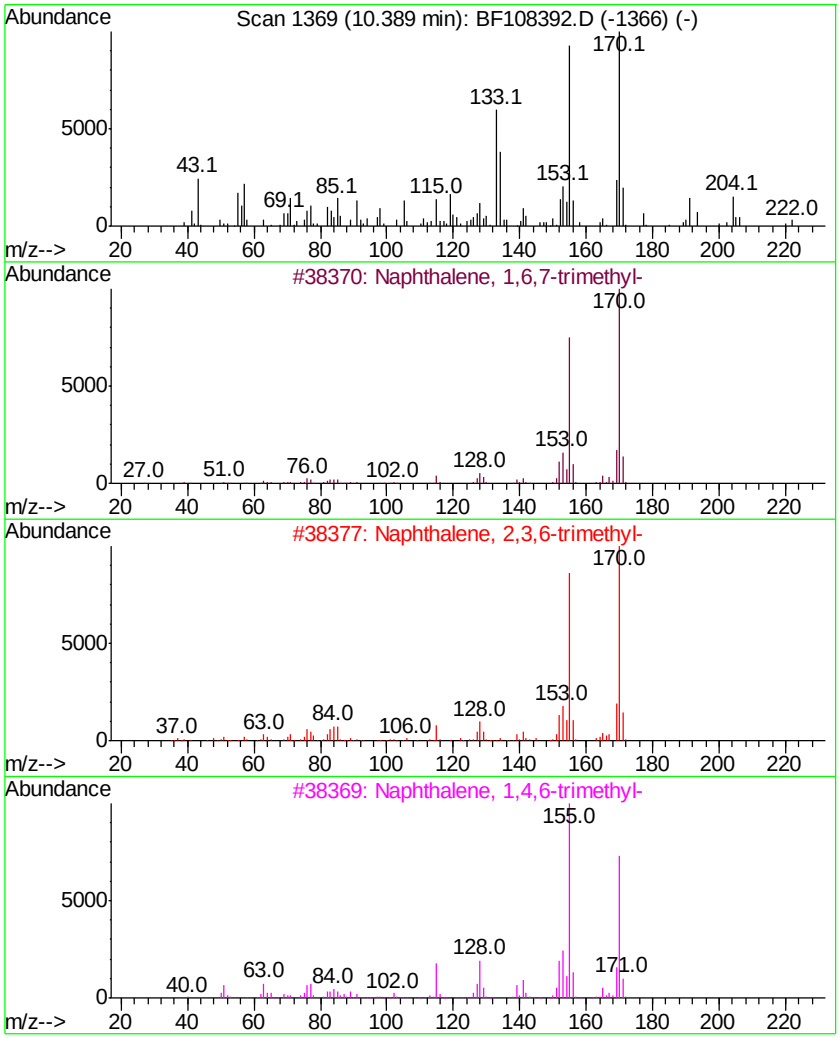
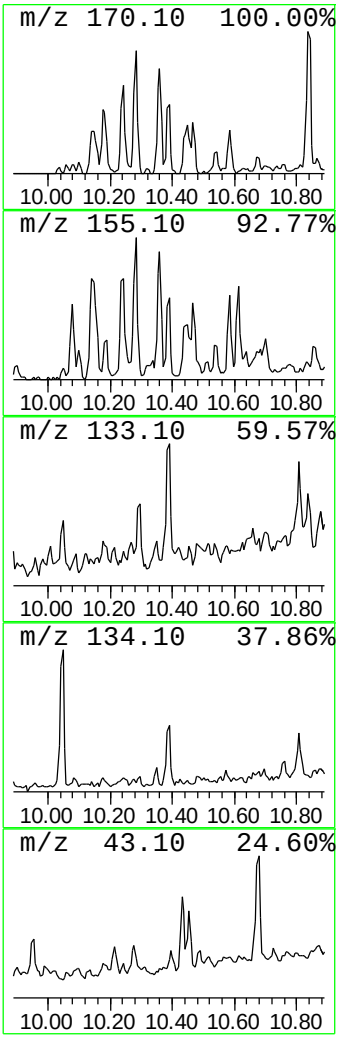
Peak Number 13 3-(2-Methyl-propenyl)-1H-in... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.39	2.68 ng	164369	Acenaphthene-d10	10.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	93
2	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	93
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	89
4	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	83
5	3-(2-Methyl-propenyl)-1H-indene	170	C13H14	1000187-78-5	64





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Operator : JU/SJ
Sample : J4559-09
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RA-081718-WSW-20-053

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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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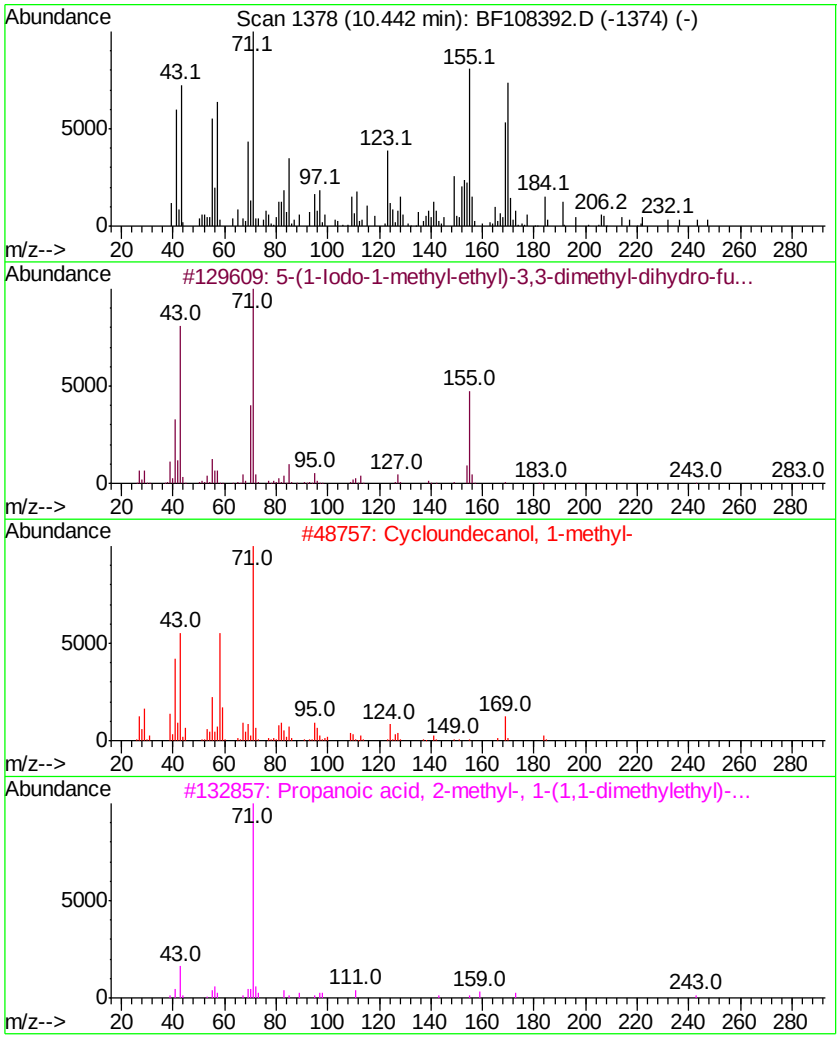
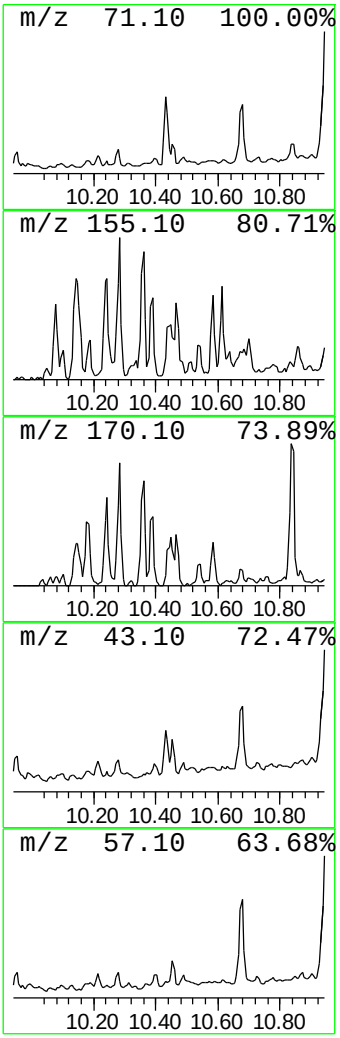
Peak Number 14 5-(1-Iodo-1-methyl-ethyl)-3... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.44	2.28 ng	139888	Acenaphthene-d10	10.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-(1-Iodo-1-methyl-ethyl)-3,3-di...	282	C9H15IO2	1000190-61-9	53
2	Cycloundecanol, 1-methyl-	184	C12H24O	076154-15-9	50
3	Propanoic acid, 2-methyl-, 1-(1,...	286	C16H30O4	074381-40-1	43
4	Propanoic acid, 2-methyl-, 1,2,3...	302	C15H26O6	014295-64-8	38
5	4-Hexen-3-ol, 2-methyl-	114	C7H14O	004798-60-1	38





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Sample : J4559-09
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RA-081718-WSW-20-053

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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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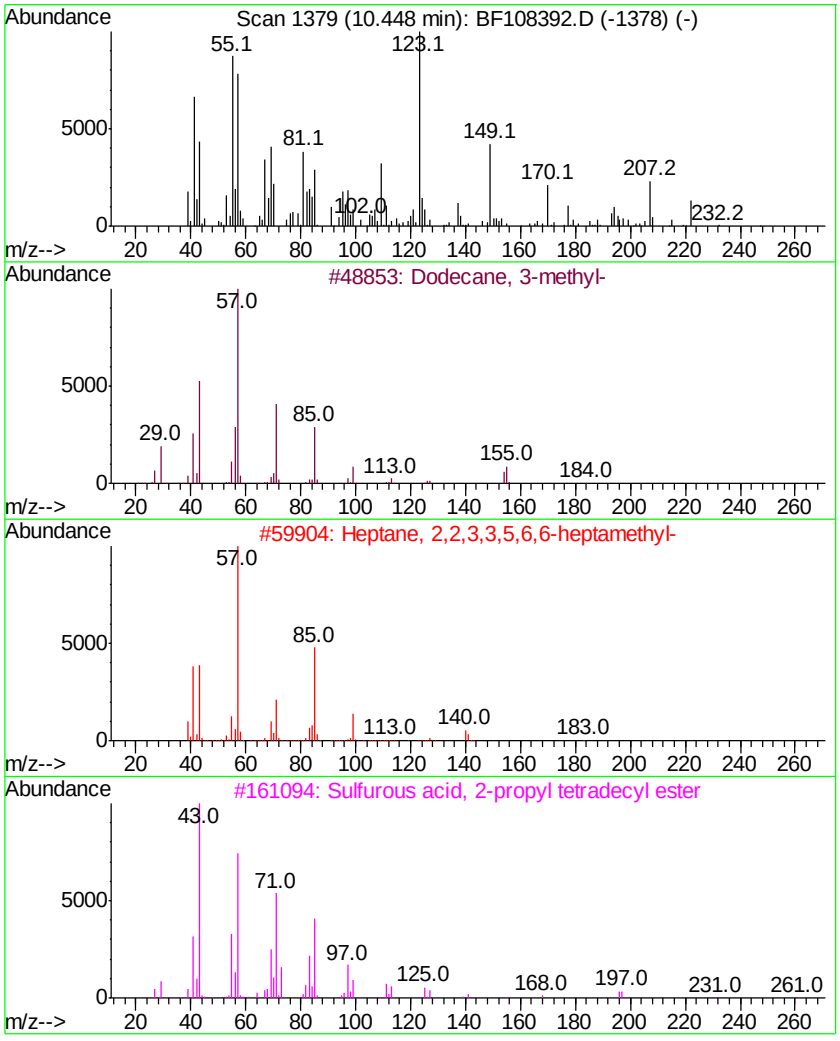
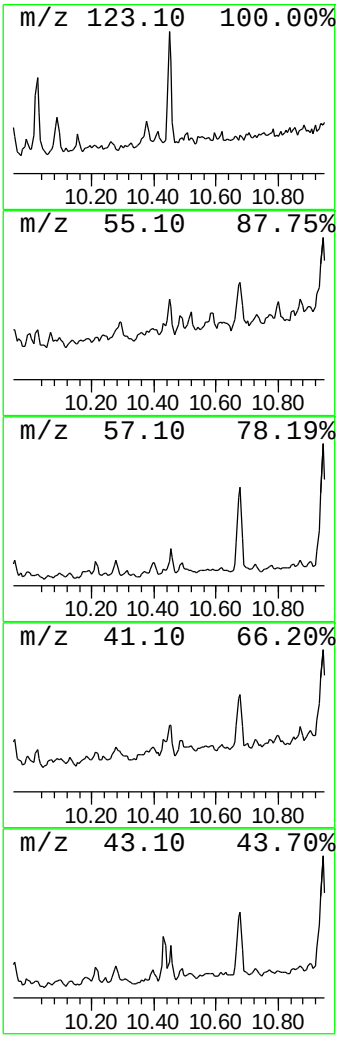
Peak Number 15 unknown10.45 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.45	2.59 ng	158910	Acenaphthene-d10	10.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 3-methyl-	184	C13H28	017312-57-1	38
2	Heptane, 2,2,3,3,5,6,6-heptamethyl-	198	C14H30	007225-67-4	38
3	Sulfurous acid, 2-propyl tetrade...	320	C17H36O3S	1000309-12-5	27
4	Sulfurous acid, hexyl heptyl ester	264	C13H28O3S	1000309-12-9	27
5	Sulfurous acid, 2-ethylhexyl tri...	376	C21H44O3S	1000309-19-6	27





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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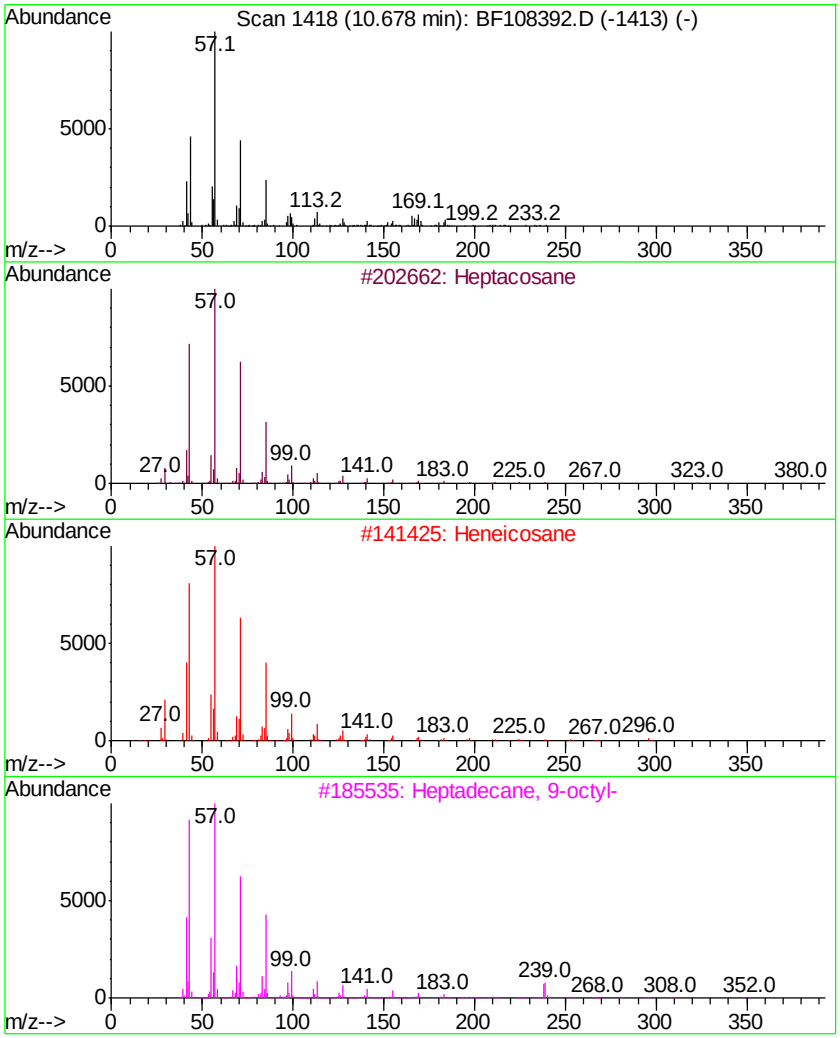
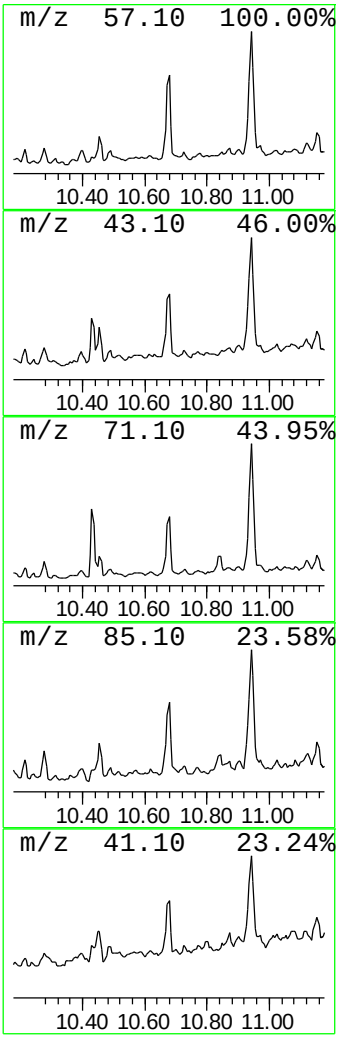
Peak Number 16 Heptacosane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.68	6.23 ng	382368	Acenaphthene-d10	10.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptacosane	380	C27H56	000593-49-7	72
2	Heneicosane	296	C21H44	000629-94-7	64
3	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	59
4	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	58
5	Undecane, 3,8-dimethyl-	184	C13H28	017301-30-3	53





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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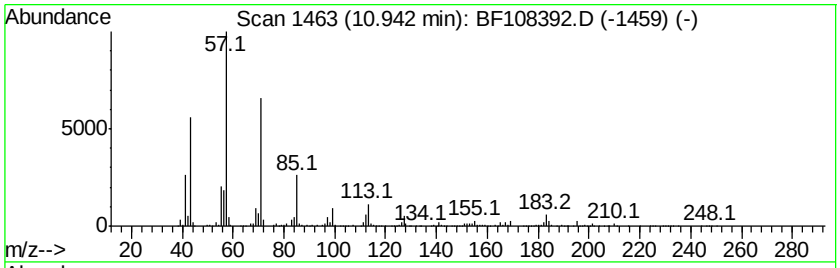
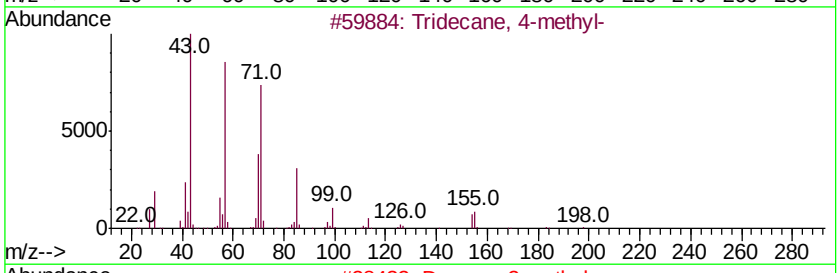
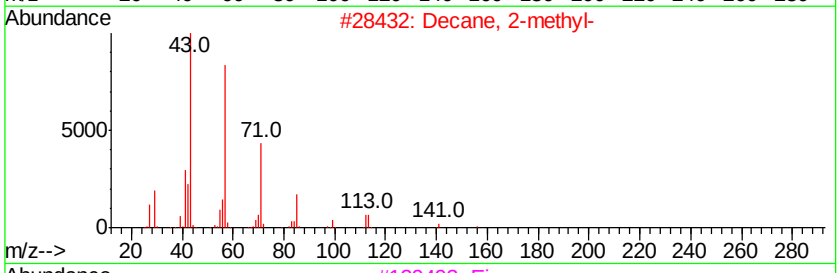
Peak Number 17 Tridecane, 4-methyl- Concentration Rank 5

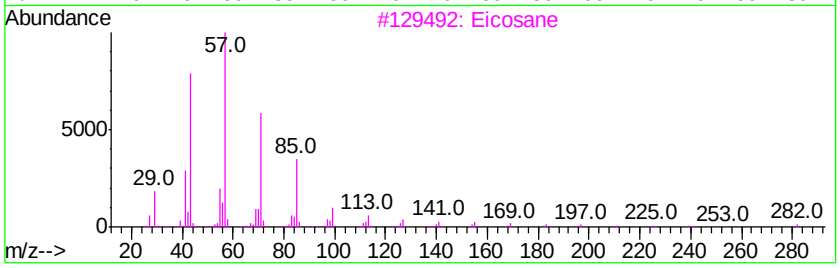
R.T.	EstConc	Area	Relative to ISTD	R.T.
10.94	12.51 ng	658814	Phenanthrene-d10	11.54

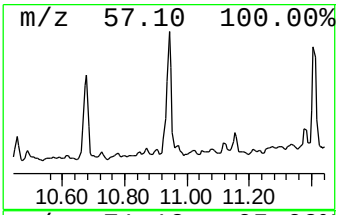
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 4-methyl-	198	C14H30	026730-12-1	81
2	Decane, 2-methyl-	156	C11H24	006975-98-0	80
3	Eicosane	282	C20H42	000112-95-8	80
4	Tridecane, 6-methyl-	198	C14H30	013287-21-3	76
5	Hexadecane	226	C16H34	000544-76-3	74

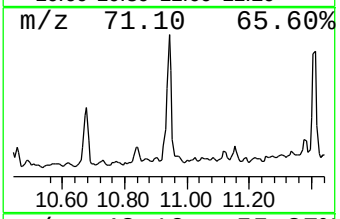


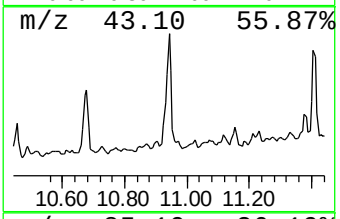


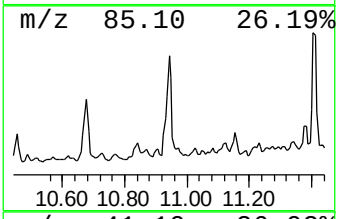


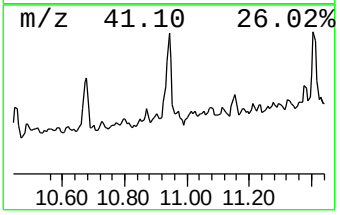












Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082218\
Data File : BF108392.D
Acq On : 22 Aug 2018 19:22
Operator : JU/SJ
Sample : J4559-09
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RA-081718-WSW-20-053

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

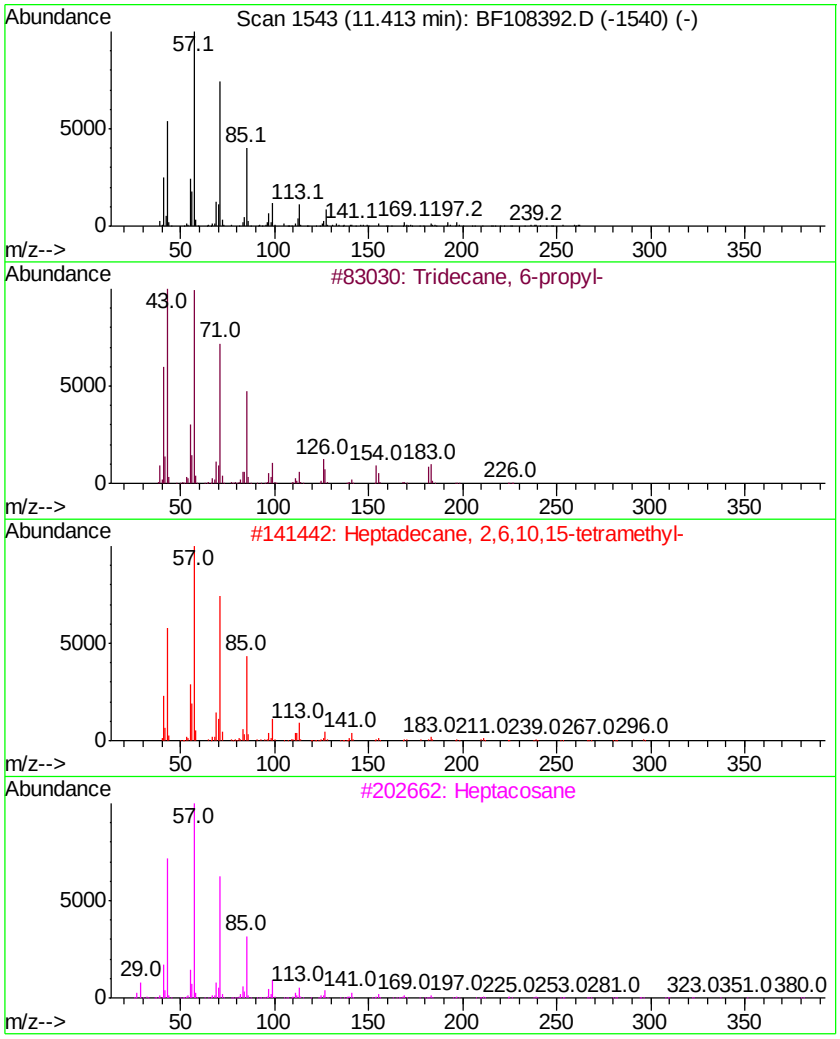
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

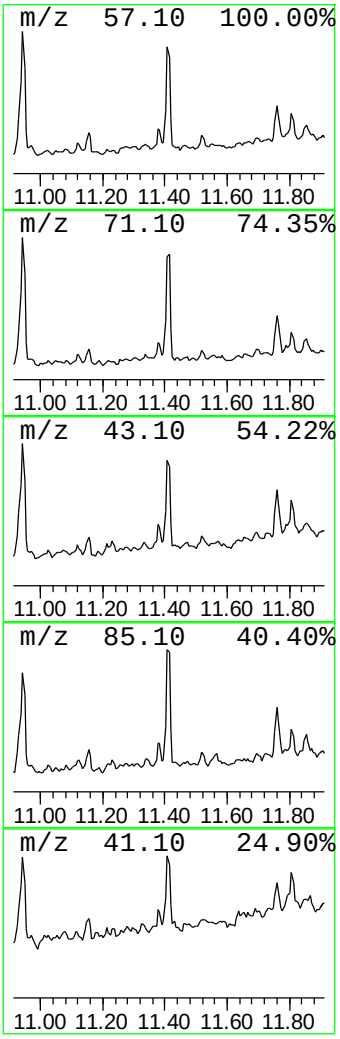
****

Peak Number 18 Tridecane, 6-propyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.41	7.18 ng	378254	Phenanthrene-d10	11.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 6-propyl-	226	C16H34	055045-10-8	90
2	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	90
3	Heptacosane	380	C27H56	000593-49-7	90
4	Hexadecane	226	C16H34	000544-76-3	87
5	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	83





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082218\
Data File : BF108392.D
Acq On : 22 Aug 2018 19:22
Operator : JU/SJ
Sample : J4559-09
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RA-081718-WSW-20-053

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

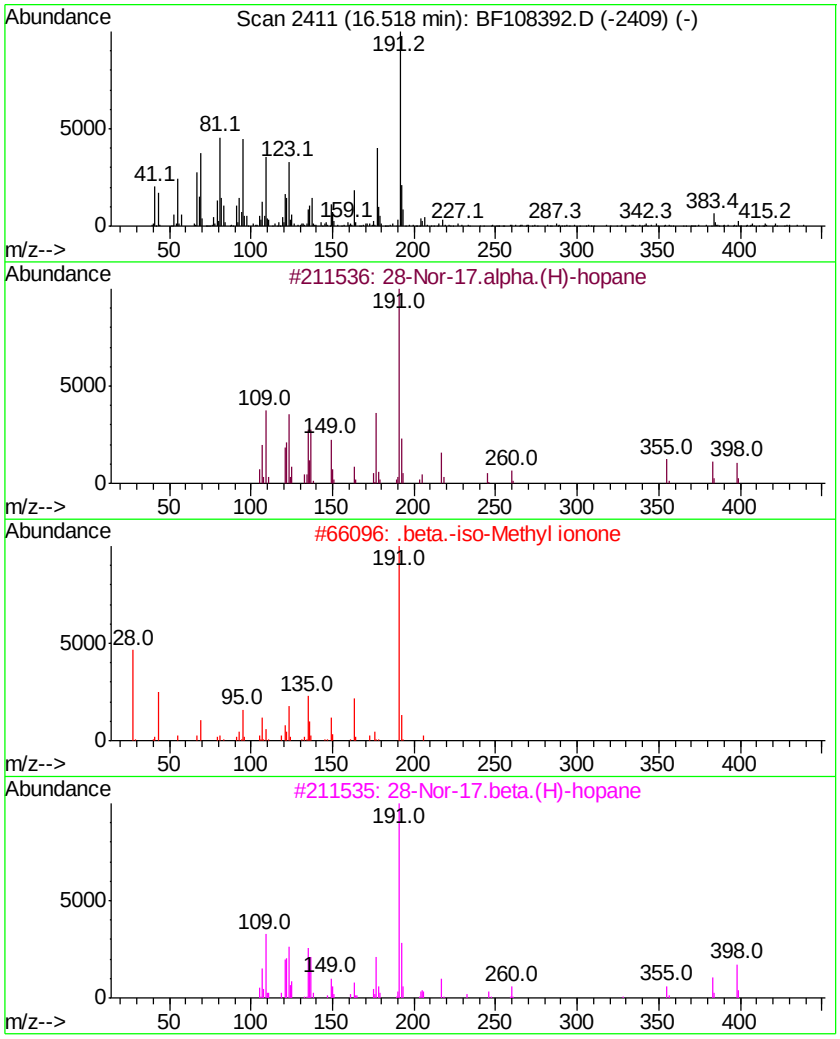
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

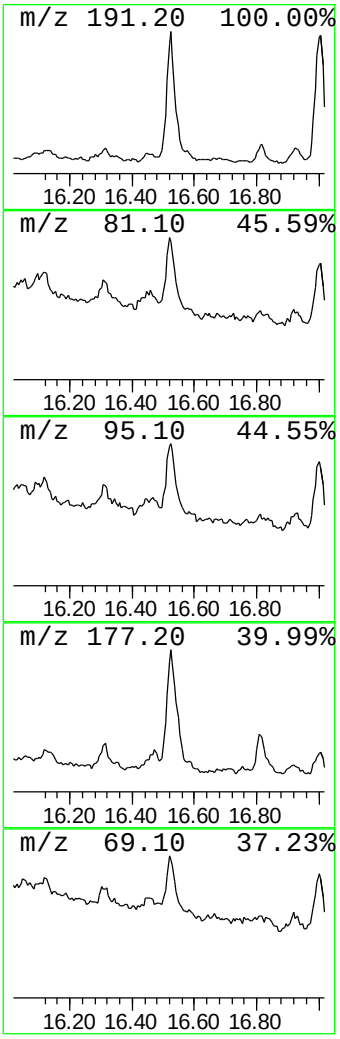
****

Peak Number 19 28-Nor-17.alpha.(H)-hopane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.52	23.15 ng	1042900	Perylene-d12	15.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	28-Nor-17.alpha.(H)-hopane	398	C29H50	053584-60-4	80
2	.beta.-iso-Methyl ionone	206	C14H22O	1000285-40-2	68
3	28-Nor-17.beta.(H)-hopane	398	C29H50	036728-72-0	64
4	1-Penten-3-one, 1-(2,6,6-trimeth...	206	C14H22O	000127-43-5	41
5	3-Buten-2-one, 4-(2,5,6,6-tetram...	206	C14H22O	000079-70-9	38





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082218\
Data File : BF108392.D
Acq On : 22 Aug 2018 19:22
Operator : JU/SJ
Sample : J4559-09
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RA-081718-WSW-20-053

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

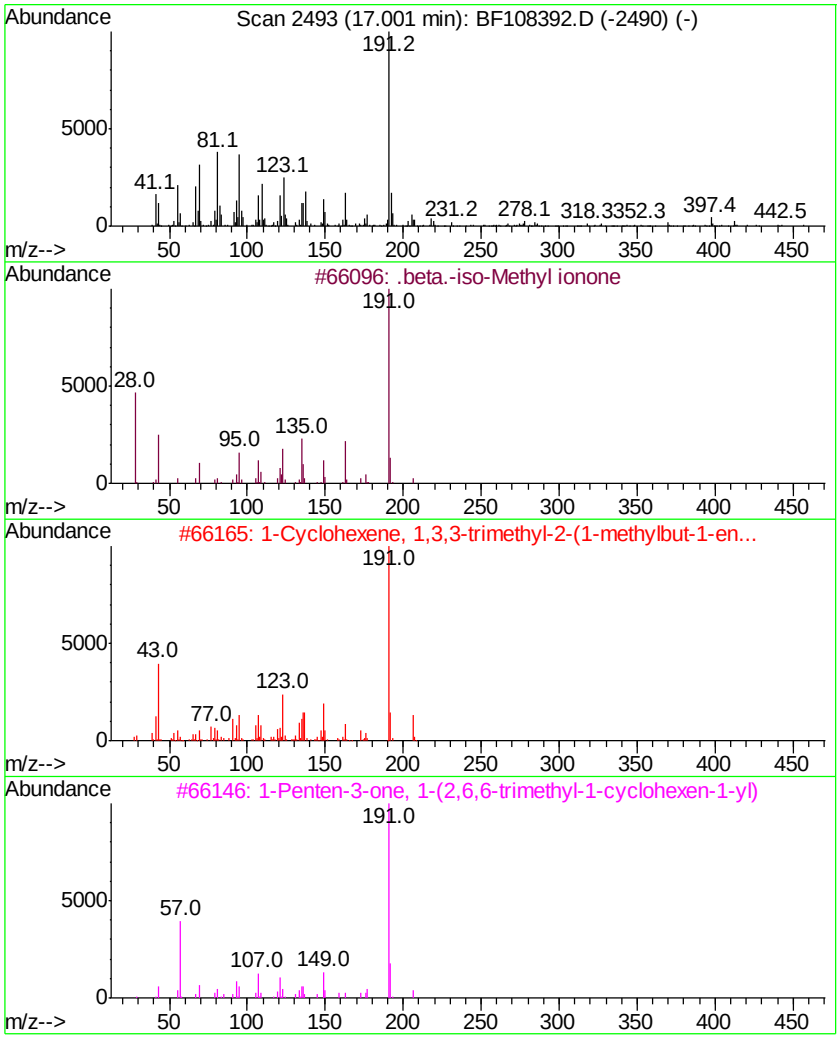
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

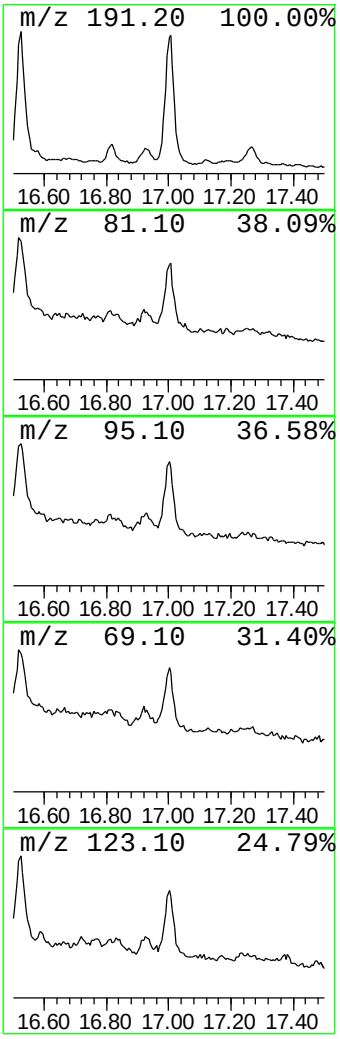
****

Peak Number 20 .beta.-iso-Methyl ionone Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.00	24.29 ng	1094220	Perylene-d12	15.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.beta.-iso-Methyl ionone	206	C14H22O	1000285-40-2	89
2	1-Cyclohexene, 1,3,3-trimethyl-2...	206	C14H22O	1000197-08-4	53
3	1-Penten-3-one, 1-(2,6,6-trimeth...	206	C14H22O	000127-43-5	52
4	4-Fluoro-3-trifluoromethylbenzoi...	376	C20H28F4O2	1000338-67-3	43
5	Isophthalic acid, 2-chlorophenyl...	318	C17H15ClO4	1000344-49-6	43





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF082218\
Data File : BF108392.D
Acq On : 22 Aug 2018 19:22
Operator : JU/SJ
Sample : J4559-09
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RA-081718-WSW-20-053

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.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...	5.25	3.3	ng	159879	1	7.00	983683	20.0
unknown6.77	6.77	65.2	ng	3207590	1	7.00	983683	20.0
Benzene, 1,2,3-tr...	6.82	3.2	ng	155877	1	7.00	983683	20.0
Benzene, 1,3-diet...	7.31	3.0	ng	144945	1	7.00	983683	20.0
Dodecane, 2,7,10-...	9.28	2.4	ng	144170	3	10.05	1226620	20.0
1-Octanol, 2-butyl-	9.43	2.3	ng	141215	3	10.05	1226620	20.0
Naphthalene, 1,7-...	9.90	3.3	ng	204407	3	10.05	1226620	20.0
unknown9.95	9.95	2.4	ng	145901	3	10.05	1226620	20.0
Naphthalene, 2,3,...	10.24	2.3	ng	140778	3	10.05	1226620	20.0
1-(2,2-Dimethylcy...	10.28	2.3	ng	138413	3	10.05	1226620	20.0
Naphthalene, 1,6,...	10.36	2.8	ng	173986	3	10.05	1226620	20.0
3-(2-Methyl-prope...	10.39	2.7	ng	164369	3	10.05	1226620	20.0
5-(1-Iodo-1-methy...	10.44	2.3	ng	139888	3	10.05	1226620	20.0
unknown10.45	10.45	2.6	ng	158910	3	10.05	1226620	20.0
Heptacosane	10.68	6.2	ng	382368	3	10.05	1226620	20.0
Tridecane, 4-methyl-	10.94	12.5	ng	658814	4	11.54	1053430	20.0
Tridecane, 6-propyl-	11.41	7.2	ng	378254	4	11.54	1053430	20.0
28-Nor-17.alpha.(...	16.52	23.1	ng	1042900	6	15.77	900980	20.0
.beta.-iso-Methyl...	17.00	24.3	ng	1094220	6	15.77	900980	20.0