LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092218\
Data File : BF109251.D
Acq On : 23 Sep 2018 5:33
Operator : JU/SJ
Sample : J5017-06
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RA-091918-S-NW-060

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-BF092218.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	4.904	476	479	489	rVB	83492	115878	4.09%	0.248%
2	5.316	544	549	552	rBV	2409023	2604415	91.91%	5.584%
3	6.345	719	724	727	rBV	2392722	2793162	98.58%	5.989%
4	6.475	738	746	750	rBV	2653933	2828524	99.82%	6.065%
5	6.557	758	760	765	rVB3	66352	69032	2.44%	0.148%
6	6.704	782	785	788	rBV	835268	687894	24.28%	1.475%
7	6.740	788	791	794	rVB	102111	96069	3.39%	0.206%
8	6.775	794	797	801	rBV	39895	47697	1.68%	0.102%
9	6.863	808	812	816	rVB	2392668	2190764	77.32%	4.697%
10	6.987	830	833	838	rVB3	50959	80722	2.85%	0.173%
11	7.063	843	846	850	rBV	36586	41715	1.47%	0.089%
12	7.110	850	854	857	rBV	74011	76617	2.70%	0.164%
13	7.269	872	881	884	rBV	1923087	1894019	66.84%	4.061%
14	7.322	887	890	892	rVB2	83028	73866	2.61%	0.158%
15	7.363	892	897	901	rBV4	86111	133204	4.70%	0.286%
16	7.410	901	905	906	rBV3	51562	57110	2.02%	0.122%
17	7.434	906	909	912	rVB2	69658	65989	2.33%	0.141%
18	7.504	919	921	923	rBV2	126420	135377	4.78%	0.290%
19	7.557	927	930	935	rBV3	41850	62425	2.20%	0.134%
20	7.634	935	943	948	rVB7	132751	293492	10.36%	0.629%
21	7.681	948	951	955	rBV3	128964	162406	5.73%	0.348%
22	7.722	955	958	962	rVB3	63254	76023	2.68%	0.163%
23	7.763	962	965	967	rBV3	71909	81042	2.86%	0.174%
24	7.822	973	975	979	rVB4	89541	101893	3.60%	0.218%
25	7.869	979	983	984	rBV3	55326	57569	2.03%	0.123%
26	7.904	987	989	991	rVB2	52830	39870	1.41%	0.085%
27	7.939	992	995	996	rBV	113823	85672	3.02%	0.184%
28	7.957	996	998	999	rVV2	58548	42786	1.51%	0.092%
29	7.986	999	1003	1006	rVV	1167823	1031044	36.39%	2.211%
30	8.069	1014	1017	1019	rVB	680839	477401	16.85%	1.024%
31	8.092	1019	1021	1024	rVB3	73163	60951	2.15%	0.131%
32	8.122	1024	1026	1028	rVB3	126882	101845	3.59%	0.218%
33	8.169	1028	1034	1036	rBV5	126494	207212	7.31%	0.444%
34	8.204	1037	1040	1043	rVB2	166495	148541	5.24%	0.318%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092218\
Data File : BF109251.D
Acq On : 23 Sep 2018 5:33
Operator : JU/SJ
Sample : J5017-06
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RA-091918-S-NW-060

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-BF092218.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	8.292	1050	1055	1058	rBV5	350331	474282	16.74%	1.017%
36	8.322	1058	1060	1062	rVB2	120204	101537	3.58%	0.218%
37	8.351	1062	1065	1067	rBV2	161477	147993	5.22%	0.317%
38	8.381	1067	1070	1074	rVB4	111045	149609	5.28%	0.321%
39	8.428	1075	1078	1082	rBV	676067	686808	24.24%	1.473%
40	8.463	1082	1084	1088	rVB4	156550	141297	4.99%	0.303%
41	8.498	1088	1090	1093	rBV2	160629	156057	5.51%	0.335%
42	8.539	1093	1097	1099	rBV5	219415	249866	8.82%	0.536%
43	8.598	1104	1107	1110	rBV3	144742	220017	7.76%	0.472%
44	8.657	1115	1117	1120	rVV2	183364	197779	6.98%	0.424%
45	8.692	1120	1123	1127	rVB3	533378	596004	21.03%	1.278%
46	8.739	1128	1131	1134	rBV3	129611	154337	5.45%	0.331%
47	8.798	1138	1141	1145	rVB5	127510	204336	7.21%	0.438%
48	8.834	1145	1147	1149	rBV3	105014	79345	2.80%	0.170%
49	8.881	1152	1155	1156	rBV2	236516	214098	7.56%	0.459%
50	8.910	1156	1160	1164	rVB4	324761	392971	13.87%	0.843%
51	9.028	1177	1180	1183	rVB	1090800	817448	28.85%	1.753%
52	9.069	1183	1187	1189	rBV	3279007	2833524	100.00%	6.076%
53	9.086	1189	1190	1192	rVB2	83582	46664	1.65%	0.100%
54	9.110	1192	1194	1196	rBV2	78966	90619	3.20%	0.194%
55	9.169	1199	1204	1206	rVV4	426608	793565	28.01%	1.702%
56	9.192	1206	1208	1210	rVV	559331	591783	20.89%	1.269%
57	9.239	1214	1216	1218	rVV3	223340	163593	5.77%	0.351%
58	9.275	1220	1222	1225	rVB2	241245	200147	7.06%	0.429%
59	9.404	1237	1244	1246	rBV5	263688	509626	17.99%	1.093%
60	9.428	1246	1248	1251	rVV3	180913	228254	8.06%	0.489%
61	9.457	1251	1253	1255	rVV	842613	694203	24.50%	1.488%
62	9.481	1255	1257	1259	rVV	1278276	953789	33.66%	2.045%
63	9.510	1259	1262	1264	rVB3	147093	175264	6.19%	0.376%
64	9.569	1270	1272	1273	rVB3	164682	101738	3.59%	0.218%
65	9.586	1273	1275	1278	rBV3	173542	143845	5.08%	0.308%
66	9.657	1285	1287	1290	rVB	300827	273109	9.64%	0.586%
67	9.692	1290	1293	1296	rBV2	273400	378914	13.37%	0.812%
68	9.739	1296	1301	1305	rVV2	1074916	1231247	43.45%	2.640%
69	9.945	1334	1336	1339	rVB2	335856	307289	10.84%	0.659%
70	9.980	1340	1342	1345	rVB	295884	278174	9.82%	0.596%
71	10.016	1345	1348	1352	rBV3	552076	519533	18.34%	1.114%

LSC Area Percent Report

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Data File : BF109251.D
Acq On : 23 Sep 2018 5:33
Operator : JU/SJ
Sample : J5017-06
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RA-091918-S-NW-060

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-BF092218.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	10.057	1353	1355	1357	rBV	321370	297037	10.48%	0.637%
73	10.133	1366	1368	1370	rBV	195479	191179	6.75%	0.410%
74	10.280	1391	1393	1395	rBV2	207656	167086	5.90%	0.358%
75	10.310	1395	1398	1400	rBV2	282192	305739	10.79%	0.656%
76	10.410	1411	1415	1418	rBV	1204385	1182627	41.74%	2.536%
77	10.492	1426	1429	1430	rBV2	178519	169967	6.00%	0.364%
78	10.522	1431	1434	1438	rVB4	1397802	1548534	54.65%	3.320%
79	10.563	1439	1441	1444	rBV2	244786	242164	8.55%	0.519%
80	10.675	1454	1460	1466	rVB2	1693028	2030207	71.65%	4.353%
81	10.727	1467	1469	1471	rBV	351003	277728	9.80%	0.595%
82	10.886	1494	1496	1498	rVB	394053	290962	10.27%	0.624%
83	11.139	1536	1539	1545	rVB	1813572	1925448	67.95%	4.129%
84	11.216	1550	1552	1555	rBV	547906	479097	16.91%	1.027%
85	11.245	1555	1557	1560	rBV3	429441	457621	16.15%	0.981%
86	11.492	1596	1599	1602	rBV	816326	839940	29.64%	1.801%
87	12.286	1732	1734	1736	rVB	650477	486600	17.17%	1.043%
88	12.404	1752	1754	1757	rVB2	653441	551802	19.47%	1.183%
89	12.439	1757	1760	1763	rBV2	790700	840792	29.67%	1.803%
90	12.810	1820	1823	1828	rBV	1737453	1832506	64.67%	3.929%

Sum of corrected areas: 46637926

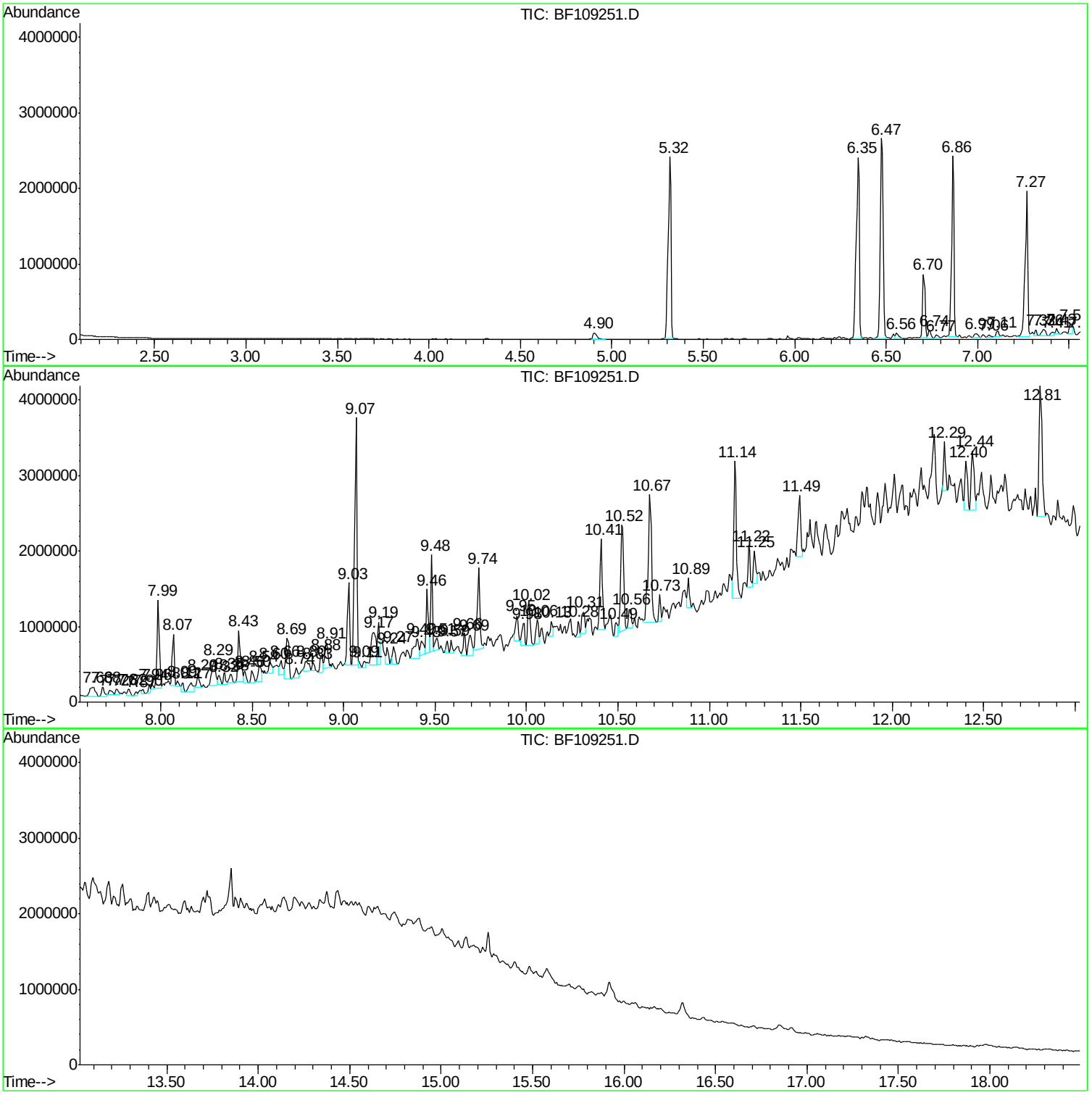
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092218\
Data File : BF109251.D
Acq On : 23 Sep 2018 5:33
Operator : JU/SJ
Sample : J5017-06
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RA-091918-S-NW-060

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.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\BF092218\
Data File : BF109251.D
Acq On : 23 Sep 2018 5:33
Operator : JU/SJ
Sample : J5017-06
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RA-091918-S-NW-060

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

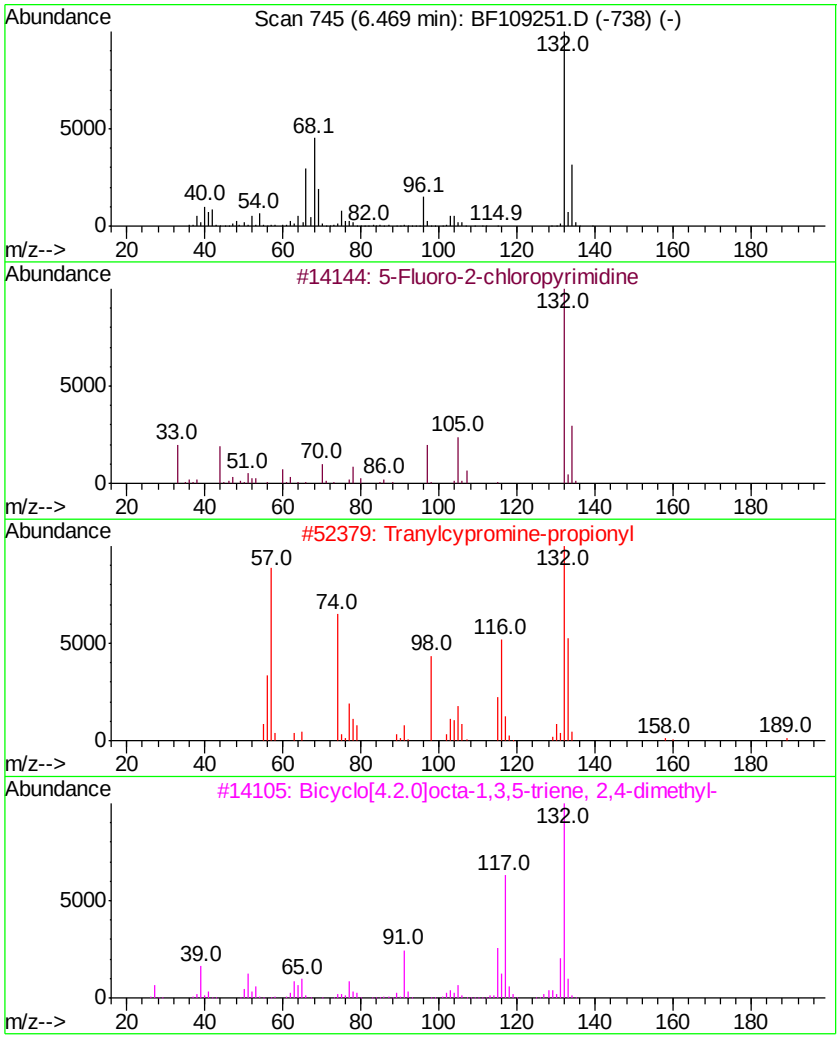
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

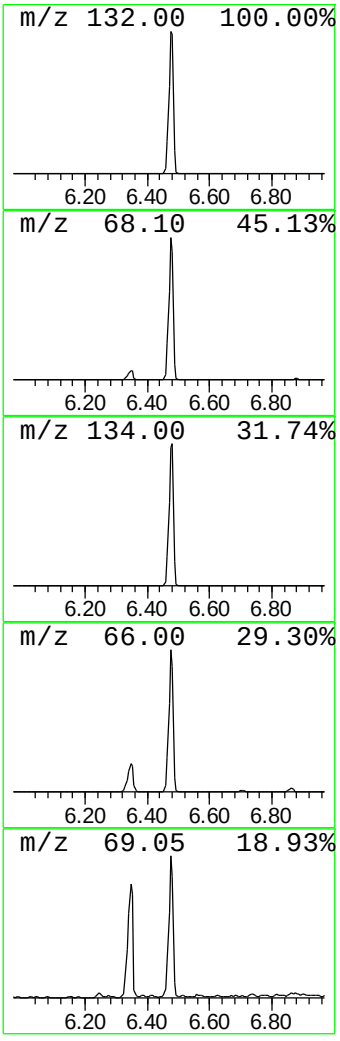
****

Peak Number 1 unknown6.47 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.47	82.24 ng	2828520	1,4-Dichlorobenzene-d4	6.70

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-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9
5	1,3,4-Thiadiazole-2(3H)-thione, ...	132	C3H4N2S2	029490-19-5	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092218\
Data File : BF109251.D
Acq On : 23 Sep 2018 5:33
Operator : JU/SJ
Sample : J5017-06
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RA-091918-S-NW-060

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

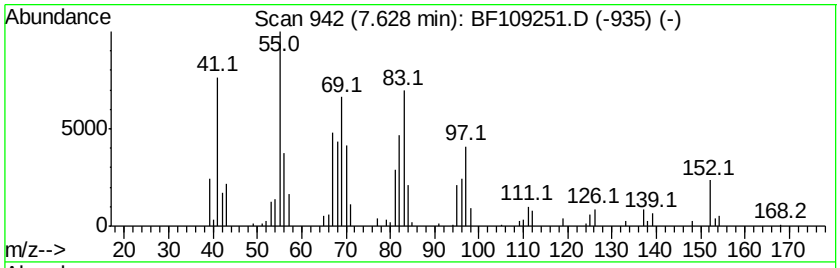
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

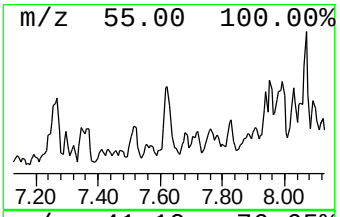
****

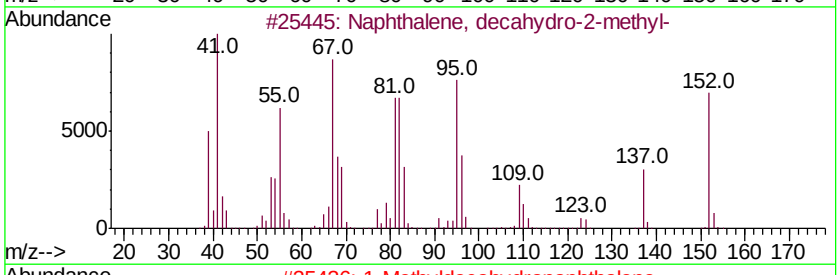
Peak Number 3 Naphthalene, decahydro-2-me... Concentration Rank 19

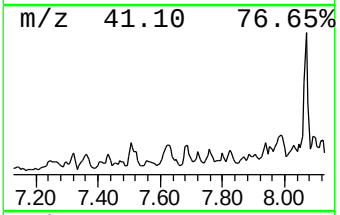
R.T.	EstConc	Area	Relative to ISTD	R.T.
7.63	5.69 ng	293492	Naphthalene-d8	7.99

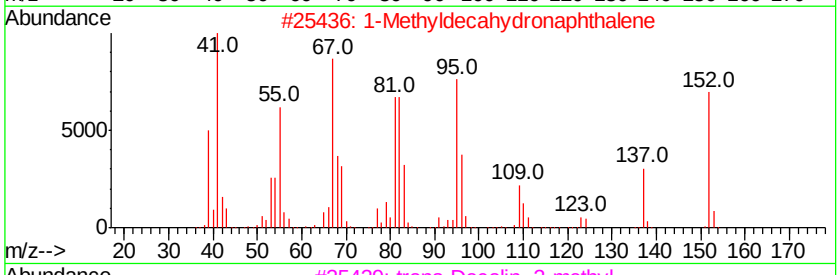
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	86
2	1-Methyldecahydronaphthalene	152	C11H20	002958-75-0	86
3	trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	81
4	trans-4a-Methyl-decahydronaphtha...	152	C11H20	002547-27-5	60
5	Bicyclo[3.3.2]decan-9-one	152	C10H16O	028054-91-3	58

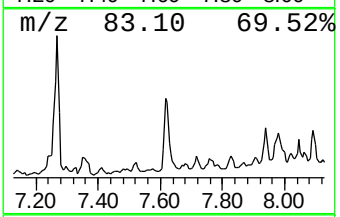


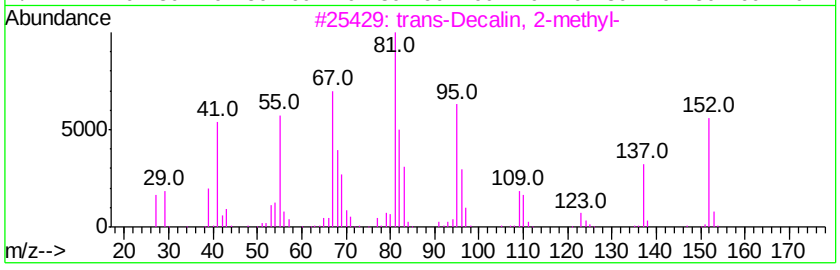


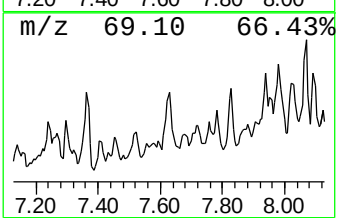


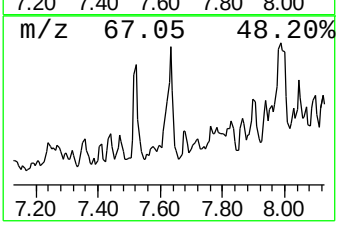












Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092218\
Data File : BF109251.D
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Instrument : BNA_F
ClientSampleId : RA-091918-S-NW-060

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

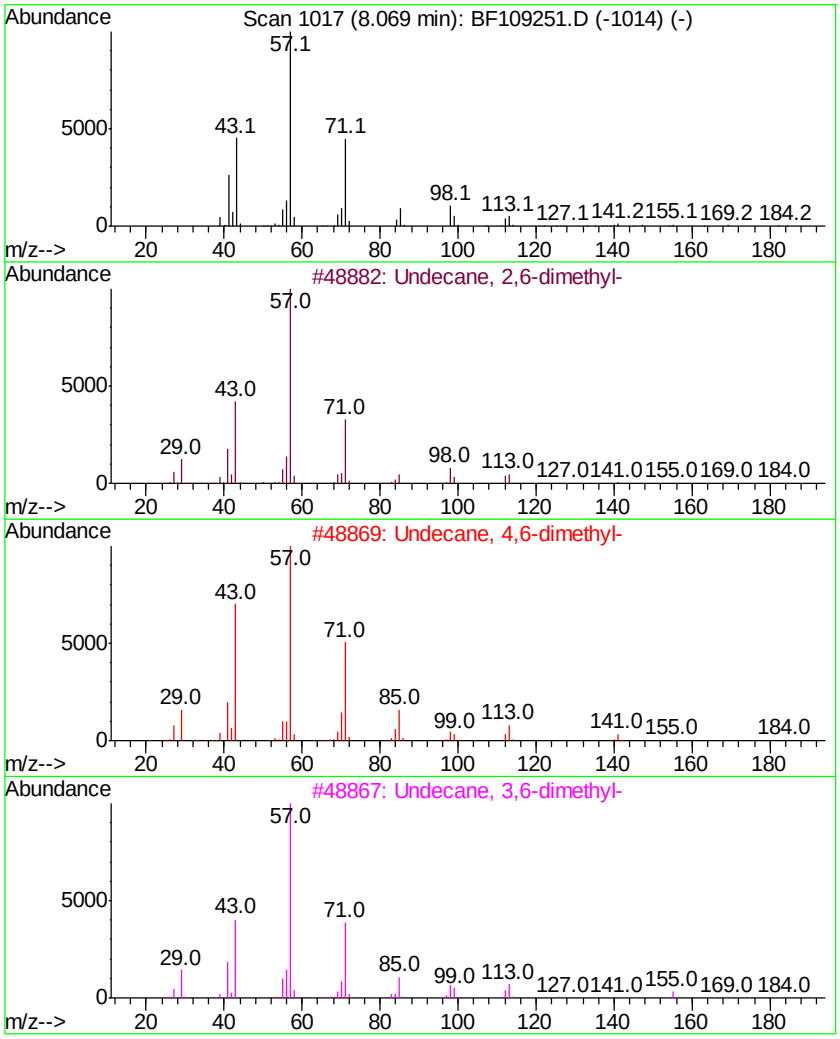
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

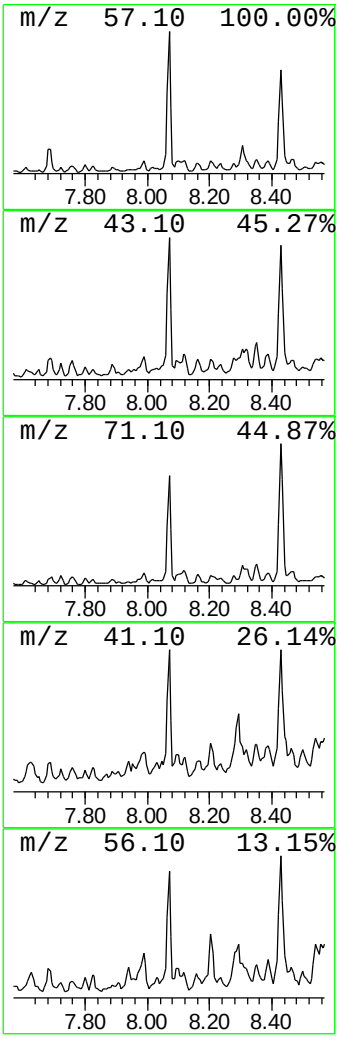
****

Peak Number 4 Undecane, 2,6-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.07	9.26 ng	477401	Naphthalene-d8	7.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	95
2	Undecane, 4,6-dimethyl-	184	C13H28	017312-82-2	87
3	Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	78
4	Decane, 2,5,9-trimethyl-	184	C13H28	062108-22-9	78
5	Undecane, 3,5-dimethyl-	184	C13H28	017312-81-1	72





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092218\
Data File : BF109251.D
Acq On : 23 Sep 2018 5:33
Operator : JU/SJ
Sample : J5017-06
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RA-091918-S-NW-060

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

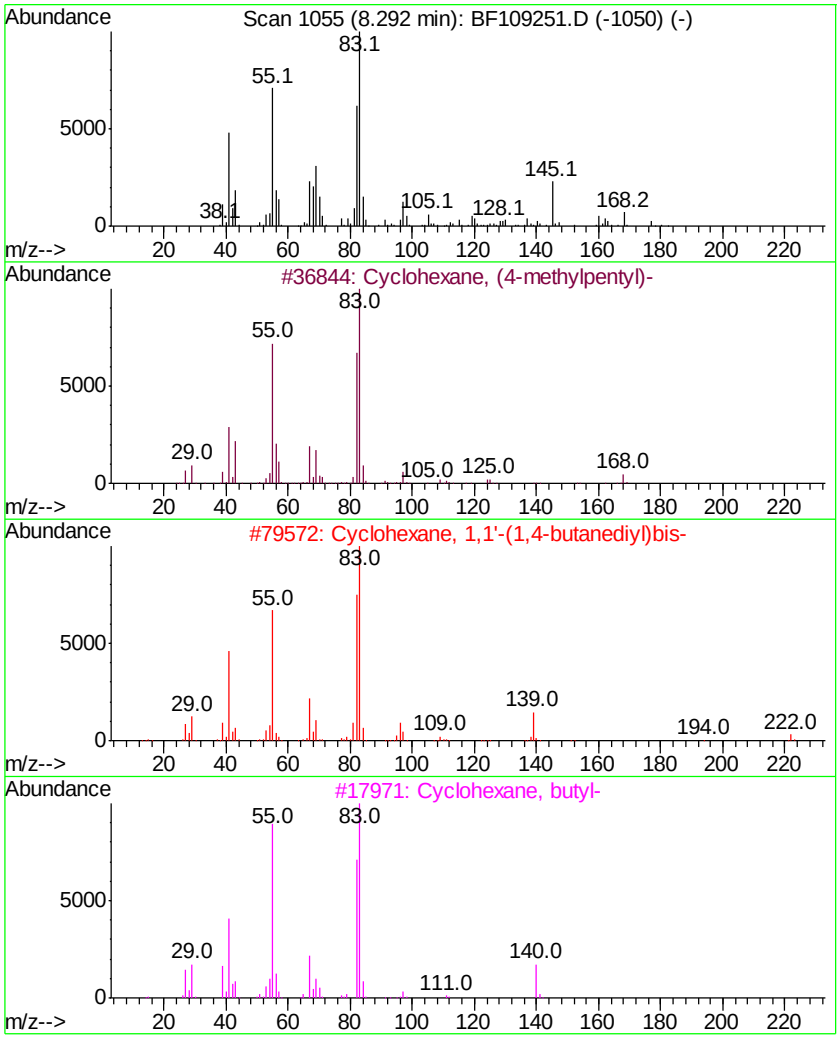
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

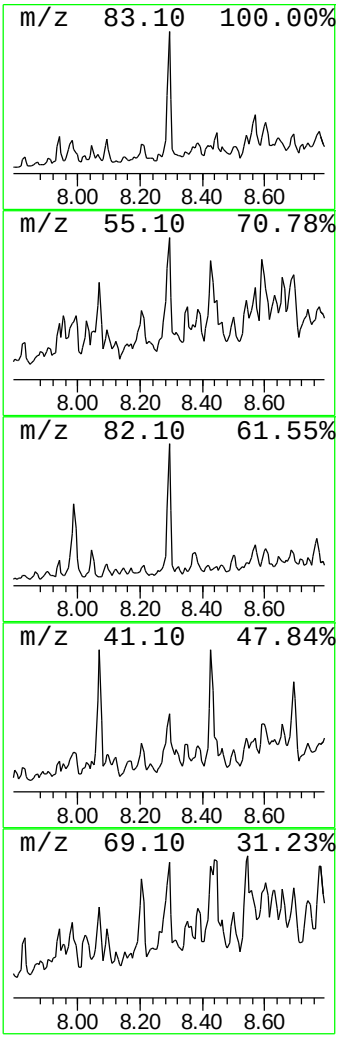
****

Peak Number 5 Cyclohexane, (4-methylpentyl)- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.29	9.20 ng	474282	Naphthalene-d8	7.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, (4-methylpentyl)-	168	C12H24	061142-20-9	68
2	Cyclohexane, 1,1'-(1,4-butanediy...	222	C16H30	006165-44-2	53
3	Cyclohexane, butyl-	140	C10H20	001678-93-9	53
4	Cyclohexane, hexyl-	168	C12H24	004292-75-5	53
5	Cyclohexane, pentyl-	154	C11H22	004292-92-6	50





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Acq On : 23 Sep 2018 5:33
Operator : JU/SJ
Sample : J5017-06
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RA-091918-S-NW-060

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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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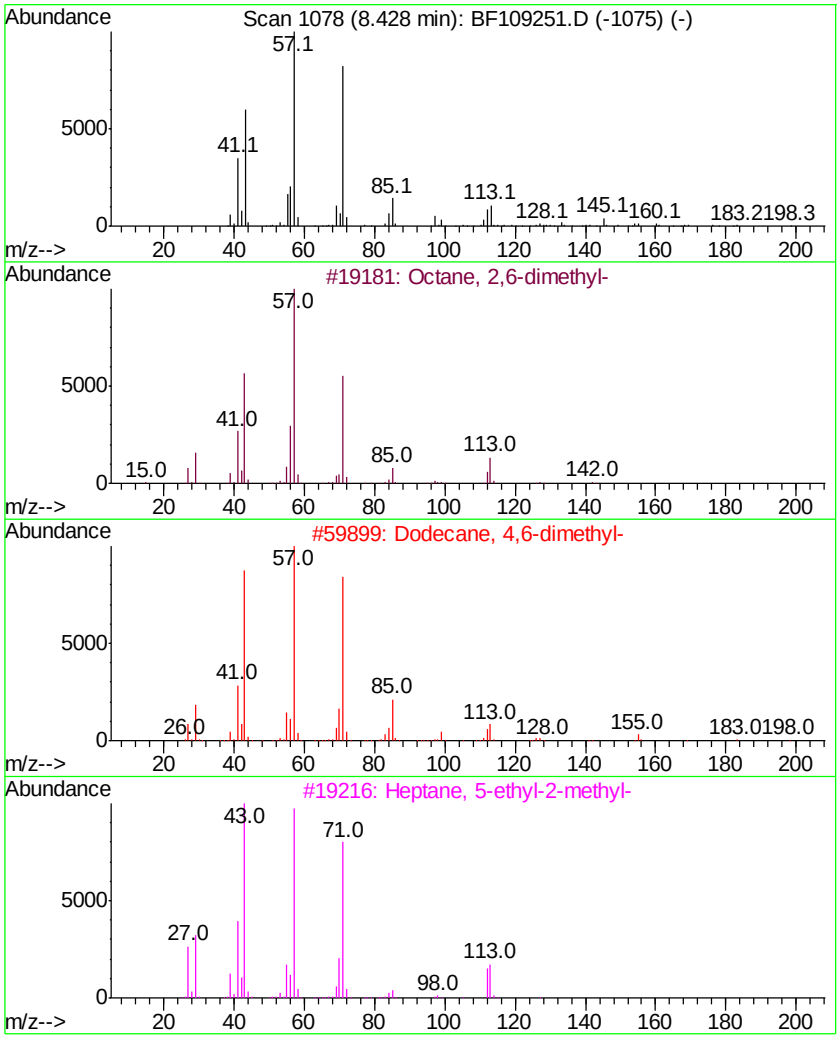
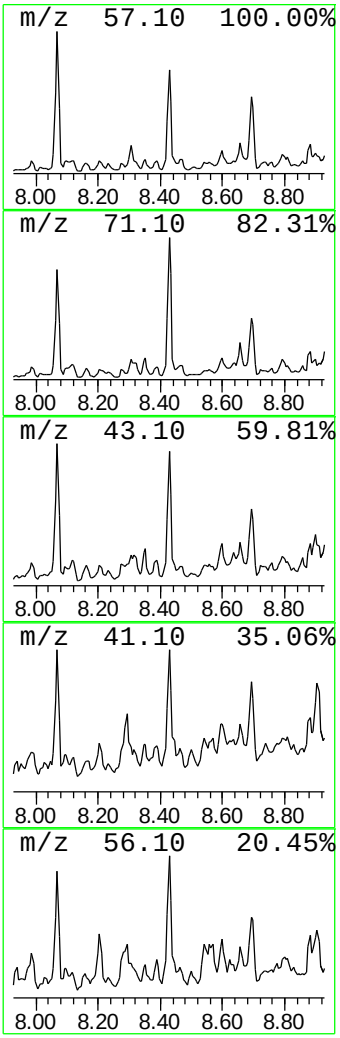
Peak Number 6 Octane, 2,6-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.43	13.32 ng	686808	Naphthalene-d8	7.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	86
2	Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	68
3	Heptane, 5-ethyl-2-methyl-	142	C10H22	013475-78-0	64
4	Oxalic acid, 2-ethylhexyl ethyl ...	230	C12H22O4	1000309-38-4	59
5	Sulfurous acid, 2-ethylhexyl pen...	264	C13H28O3S	1000309-18-9	59





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ClientSampleId : RA-091918-S-NW-060

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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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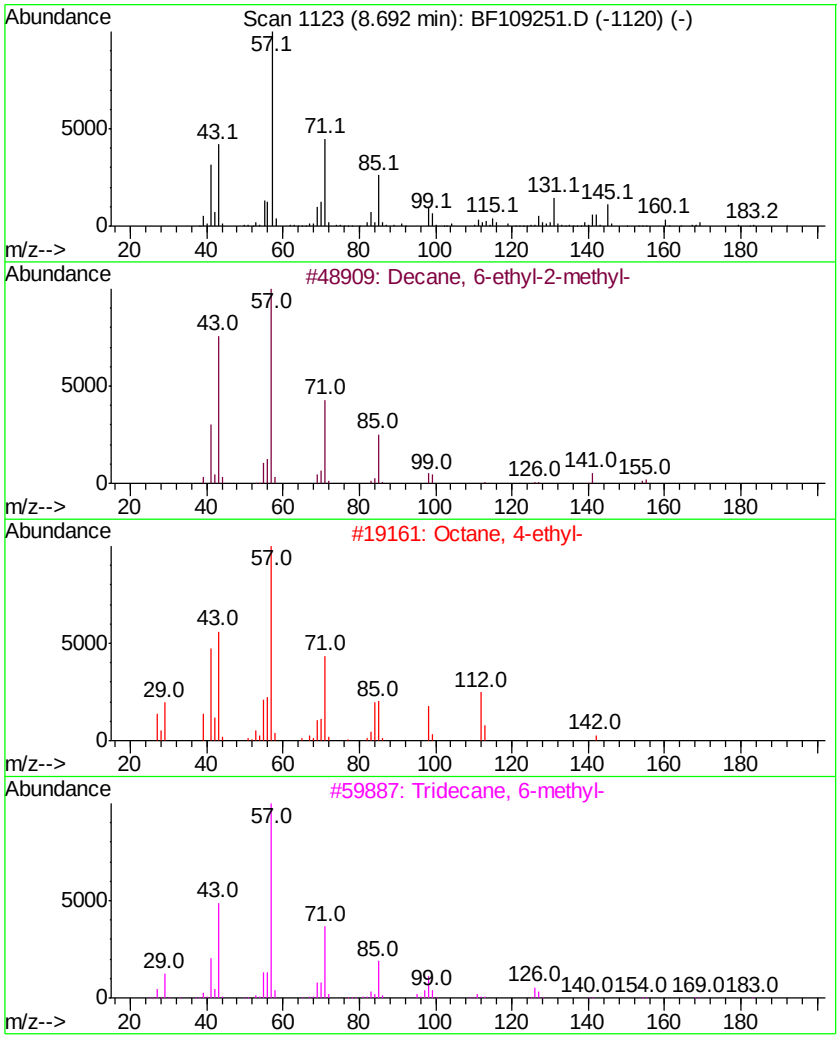
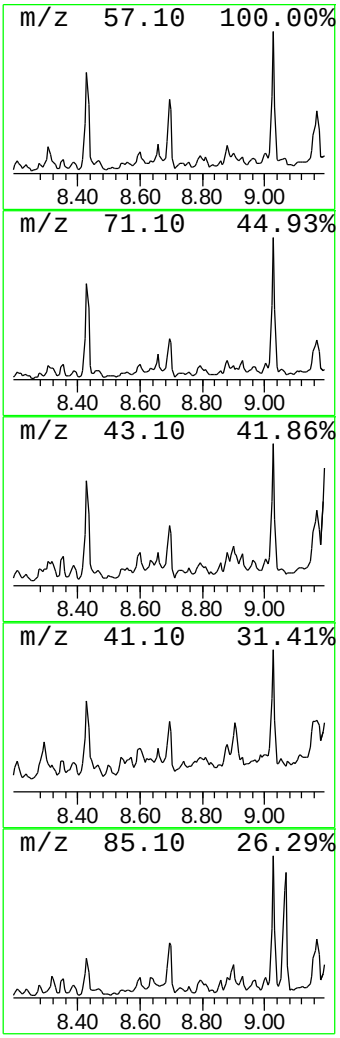
Peak Number 7 Decane, 6-ethyl-2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.69	11.56 ng	596004	Naphthalene-d8	7.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 6-ethyl-2-methyl-	184	C13H28	062108-21-8	53
2	Octane, 4-ethyl-	142	C10H22	015869-86-0	52
3	Tridecane, 6-methyl-	198	C14H30	013287-21-3	52
4	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	43
5	3-Hexanone, 2,4-dimethyl-	128	C8H16O	018641-70-8	35





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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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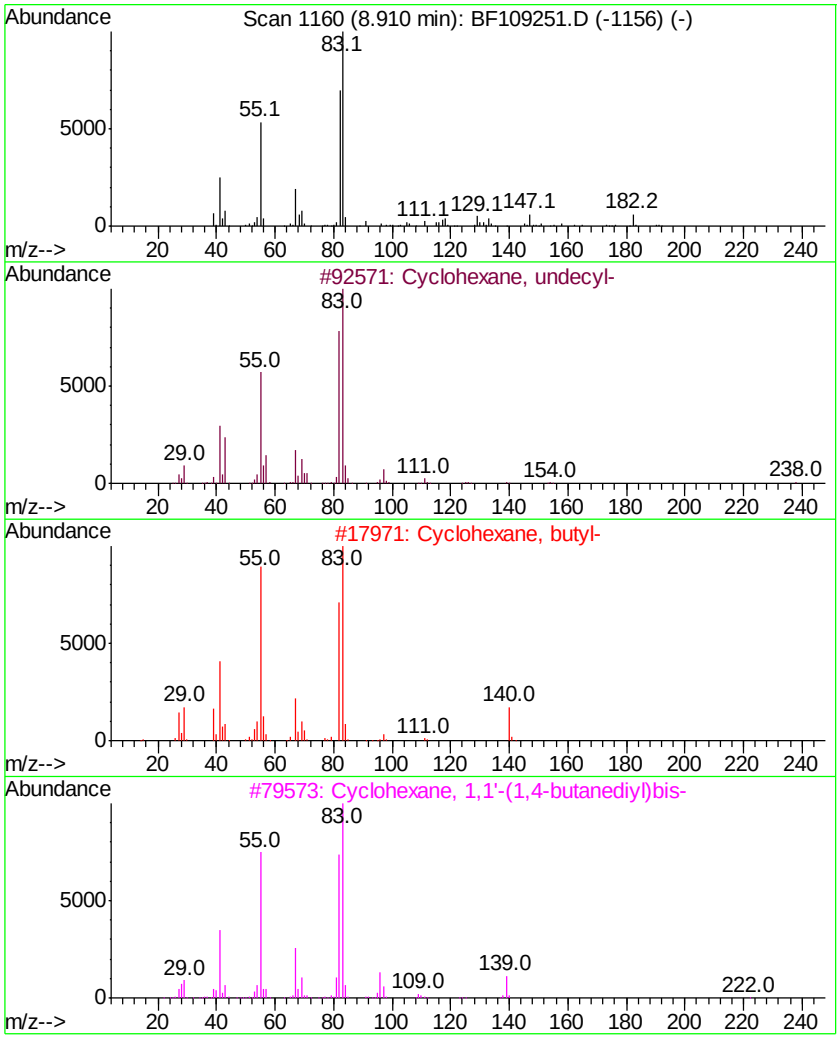
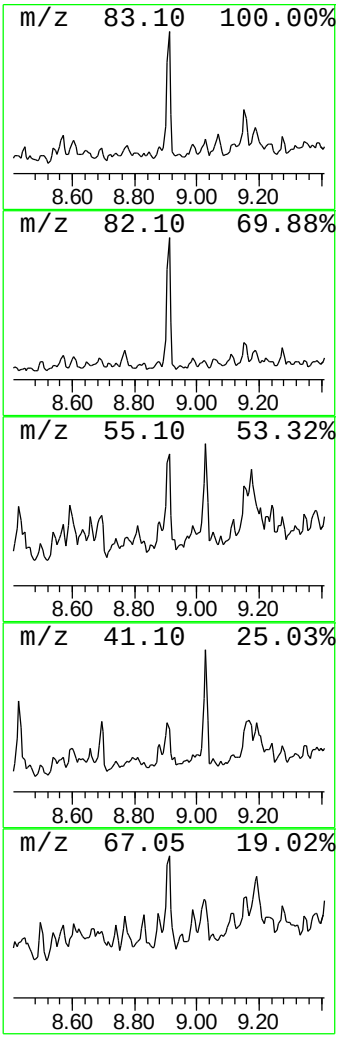
Peak Number 8 Cyclohexane, undecyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.91	6.38 ng	392971	Acenaphthene-d10	9.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, undecyl-	238	C17H34	054105-66-7	64
2	Cyclohexane, butyl-	140	C10H20	001678-93-9	64
3	Cyclohexane, 1,1'-(1,4-butanediy...	222	C16H30	006165-44-2	56
4	Cyclohexane, eicosyl-	364	C26H52	004443-55-4	50
5	Cyclohexane, octyl-	196	C14H28	001795-15-9	50





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ClientSampleId : RA-091918-S-NW-060

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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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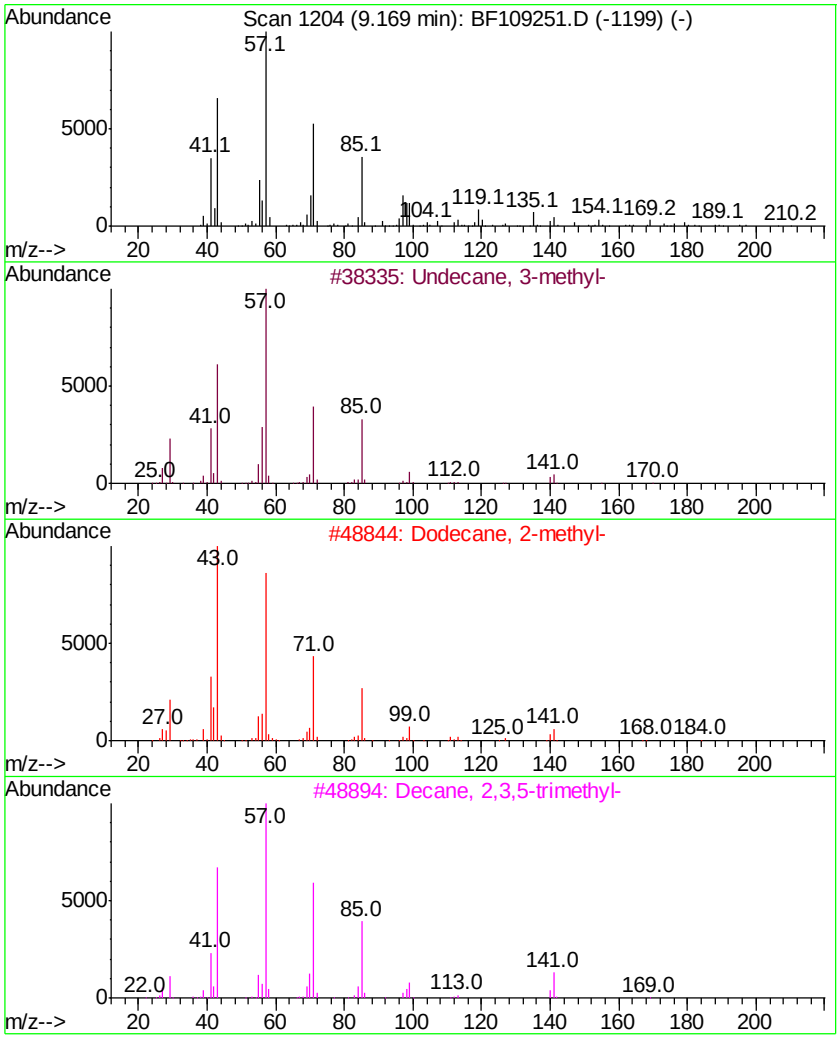
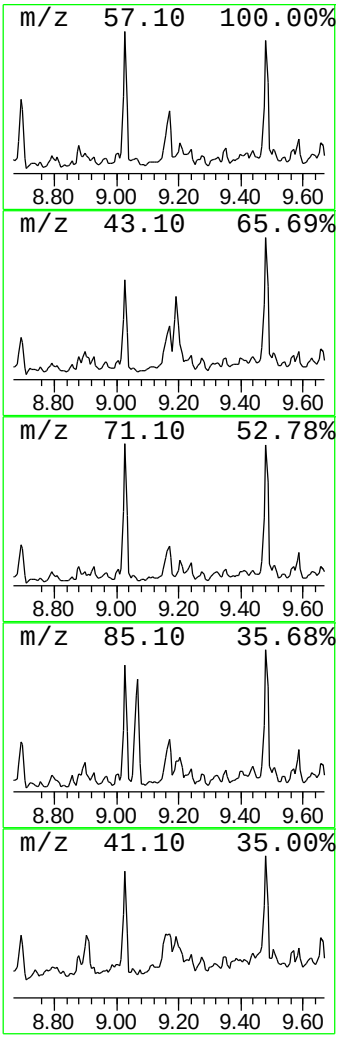
Peak Number 9 Undecane, 3-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.17	12.89 ng	793565	Acenaphthene-d10	9.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 3-methyl-	170	C12H26	001002-43-3	59
2	Dodecane, 2-methyl-	184	C13H28	001560-97-0	59
3	Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	53
4	Tridecane, 6-methyl-	198	C14H30	013287-21-3	53
5	Sulfurous acid, 2-propyl tetrade...	320	C17H36O3S	1000309-12-5	53





Library Search Compound Report

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Sample : J5017-06
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ClientSampleId : RA-091918-S-NW-060

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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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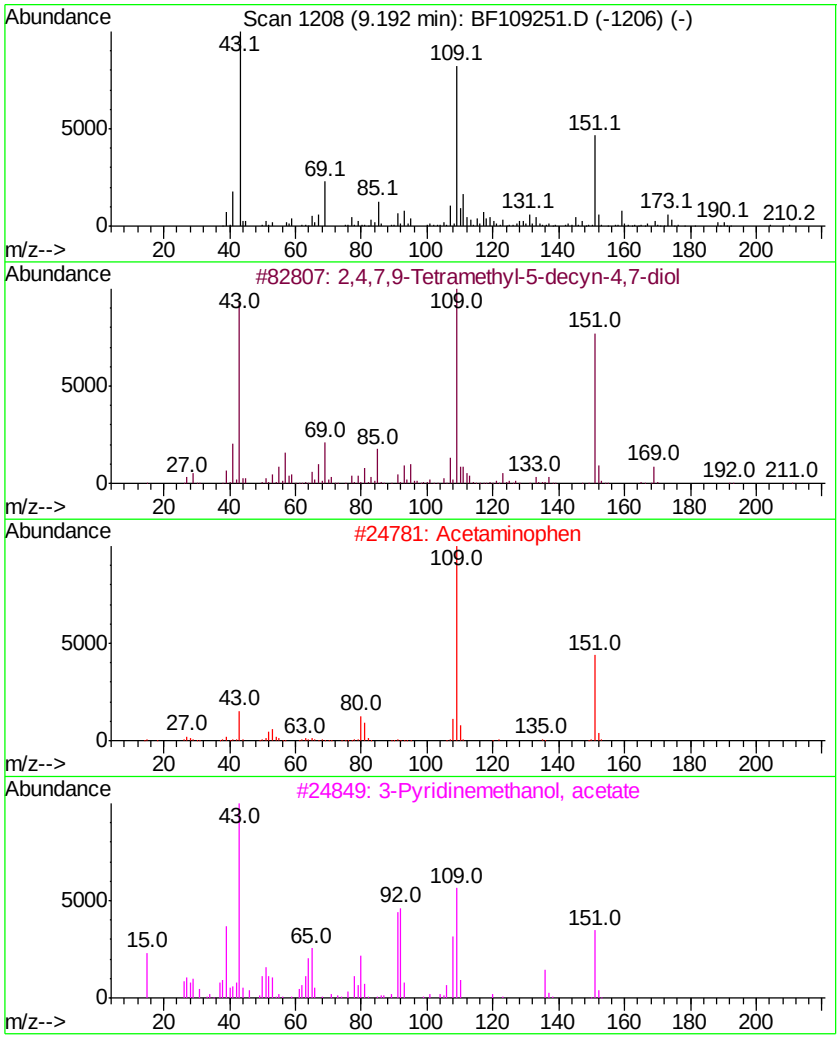
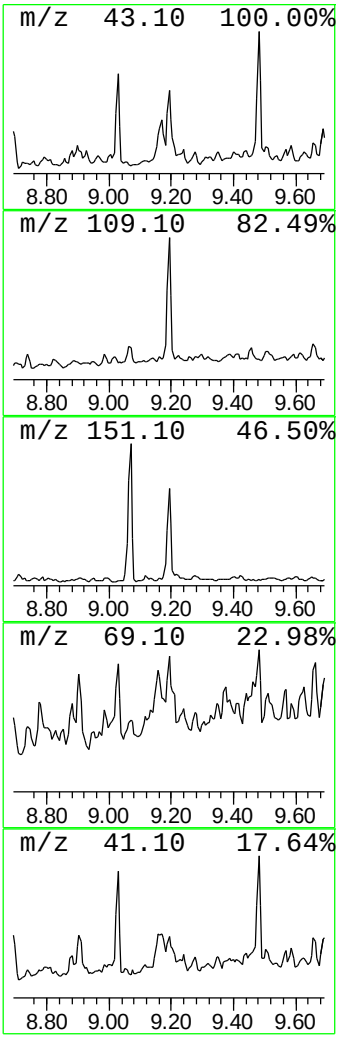
Peak Number 10 2,4,7,9-Tetramethyl-5-decyn... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.19	9.61 ng	591783	Acenaphthene-d10	9.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,7,9-Tetramethyl-5-decyn-4,7-...	226	C14H26O2	000126-86-3	78
2	Acetaminophen	151	C8H9NO2	000103-90-2	59
3	3-Pyridinemethanol, acetate	151	C8H9NO2	010072-09-0	59
4	Metacetamol	151	C8H9NO2	000621-42-1	45
5	trans-3(10)-Caren-2-ol	152	C10H16O	1000151-66-5	43





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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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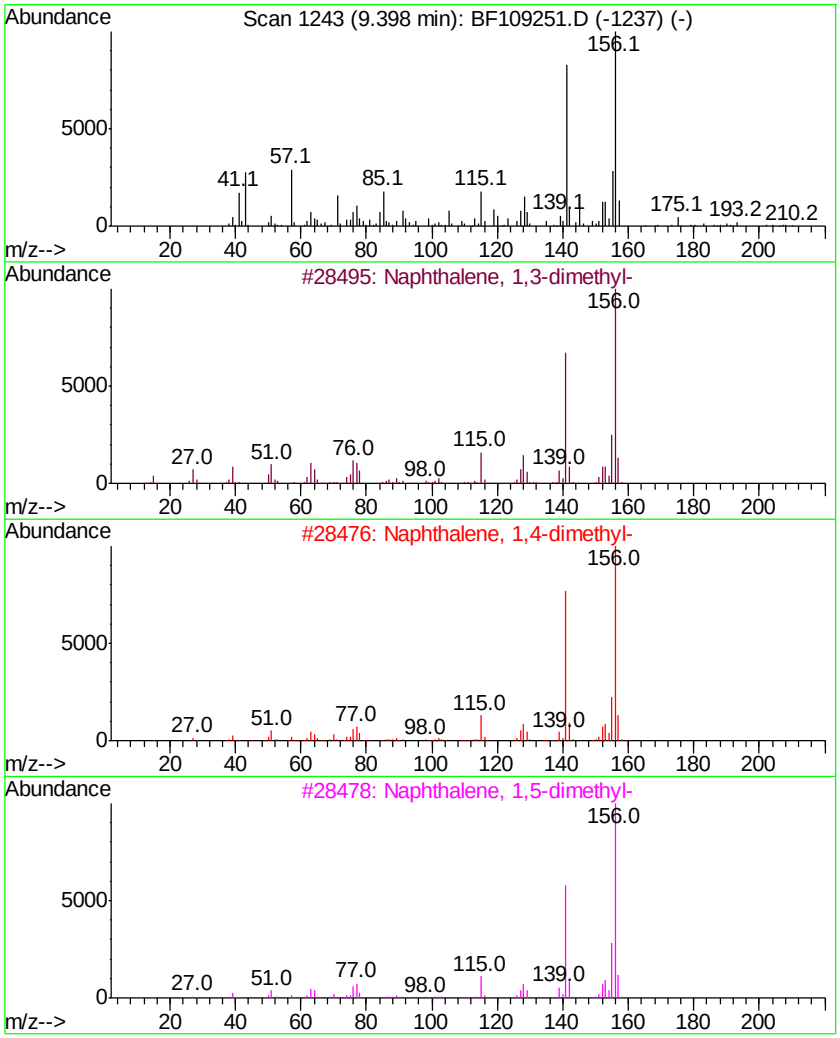
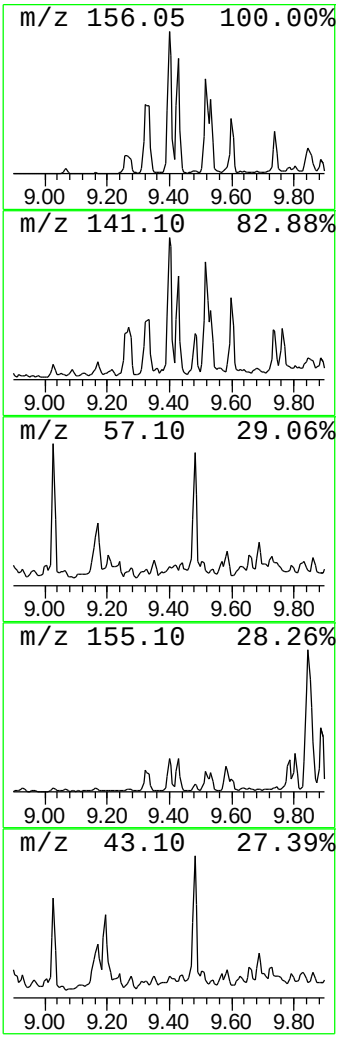
Peak Number 11 Naphthalene, 1,3-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.40	8.28 ng	509626	Acenaphthene-d10	9.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	95
2	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	94
3	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	93
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	93
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	93





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Sample : J5017-06
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Instrument : BNA_F
ClientSampleId : RA-091918-S-NW-060

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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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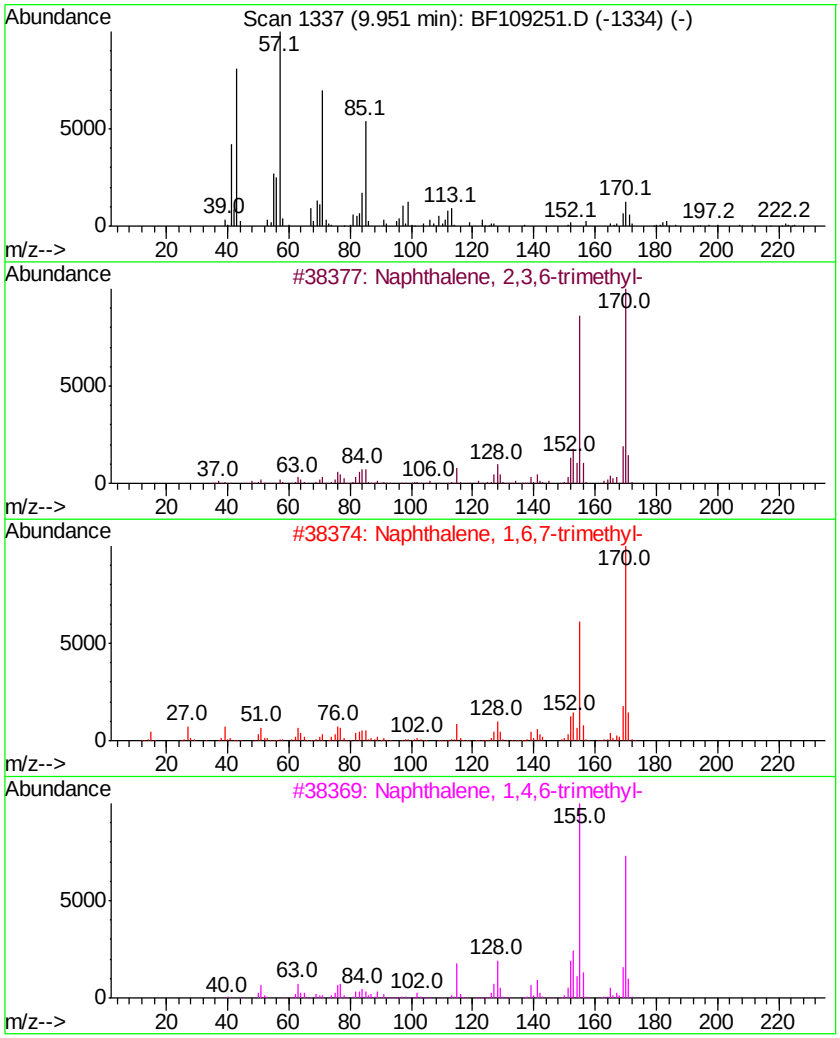
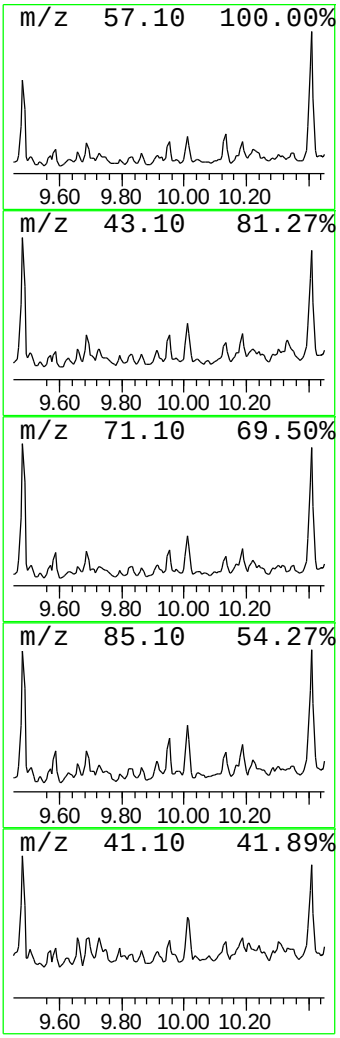
Peak Number 12 Naphthalene, 2,3,6-trimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.95	4.99 ng	307289	Acenaphthene-d10	9.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	81
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	76
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	64
4	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	53
5	Metharbital	198	C9H14N2O3	000050-11-3	47





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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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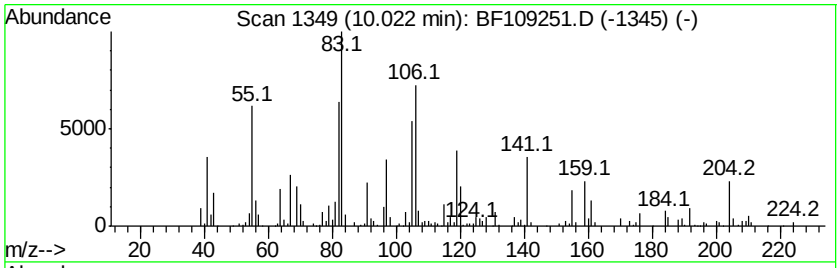
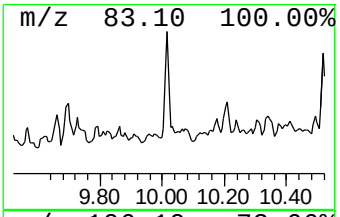
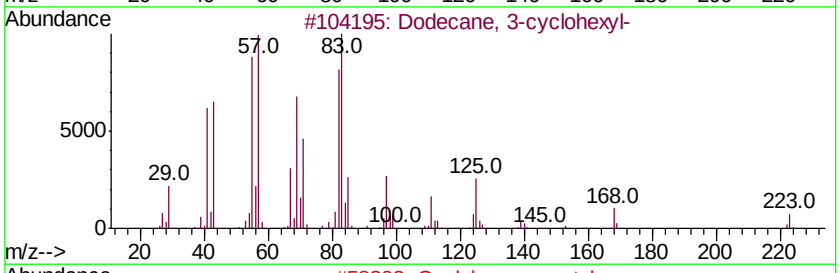
Peak Number 13 Dodecane, 3-cyclohexyl- Concentration Rank 16

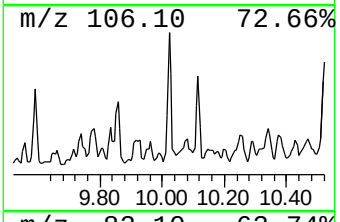
R.T.	EstConc	Area	Relative to ISTD	R.T.
10.02	8.44 ng	519533	Acenaphthene-d10	9.74

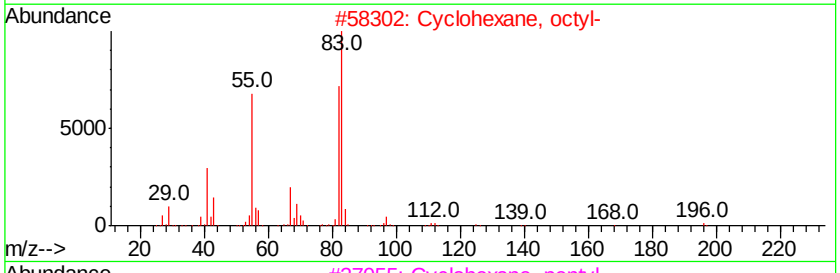
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 3-cyclohexyl-	252	C18H36	013151-83-2	64
2	Cyclohexane, octyl-	196	C14H28	001795-15-9	43
3	Cyclohexane, pentyl-	154	C11H22	004292-92-6	38
4	Heptylcyclohexane	182	C13H26	005617-41-4	38
5	Cyclohexane, (4-methylpentyl)-	168	C12H24	061142-20-9	38

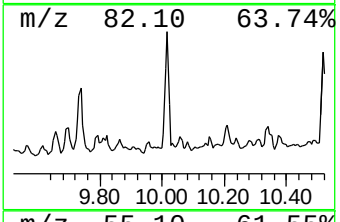


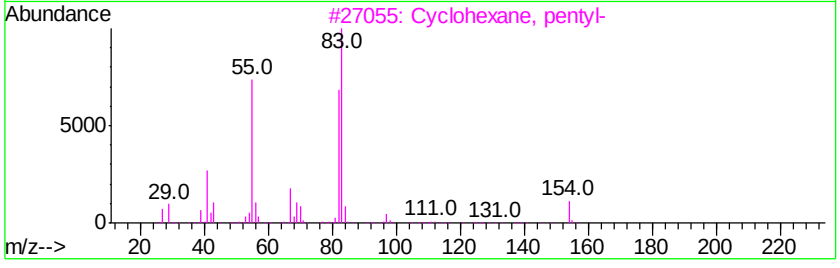


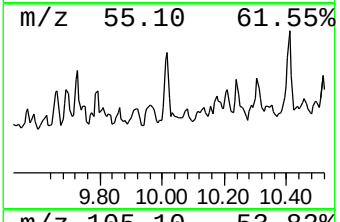


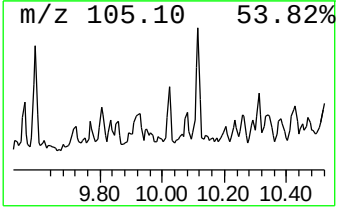












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Sample : J5017-06
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RA-091918-S-NW-060

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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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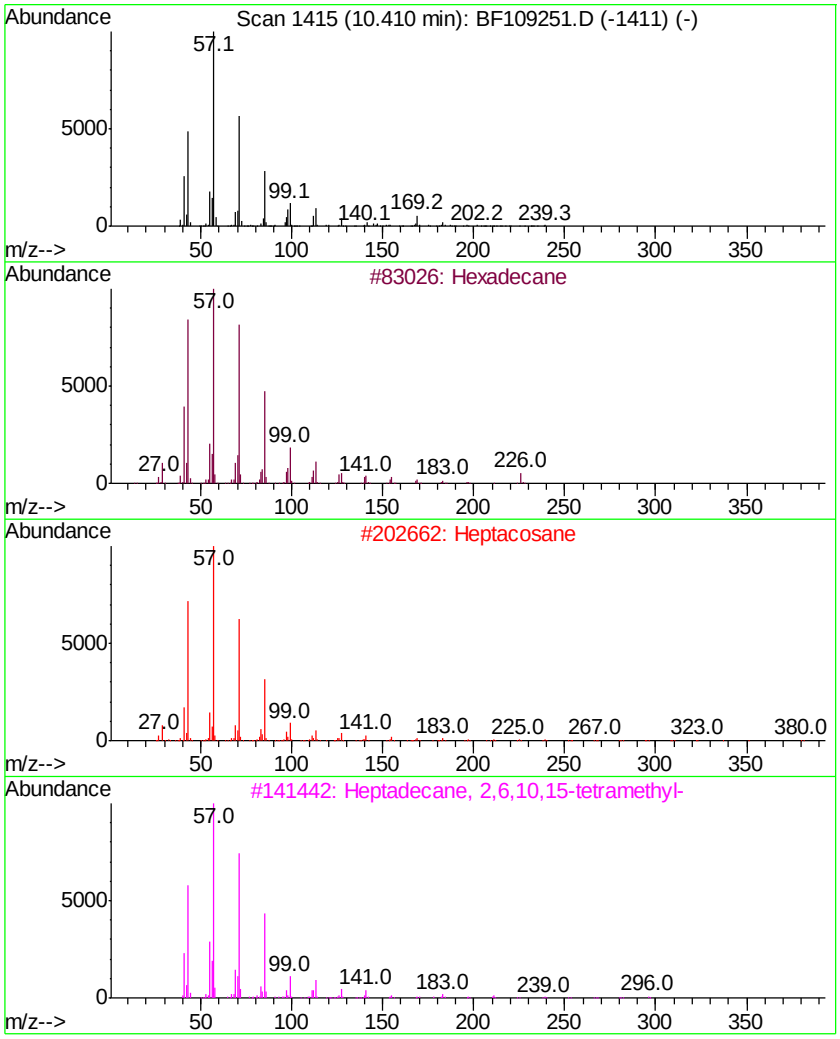
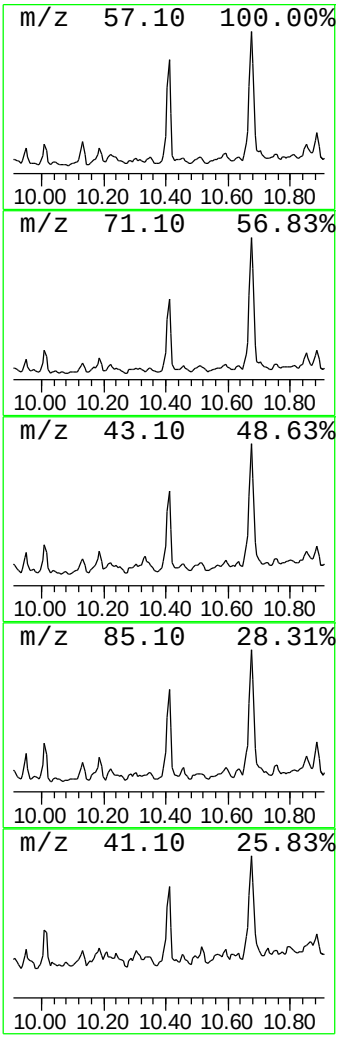
Peak Number 14 Hexadecane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.41	19.21 ng	1182630	Acenaphthene-d10	9.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	83
2	Heptacosane	380	C27H56	000593-49-7	80
3	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	64
4	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	59
5	Octane, 3,5-dimethyl-	142	C10H22	015869-93-9	59





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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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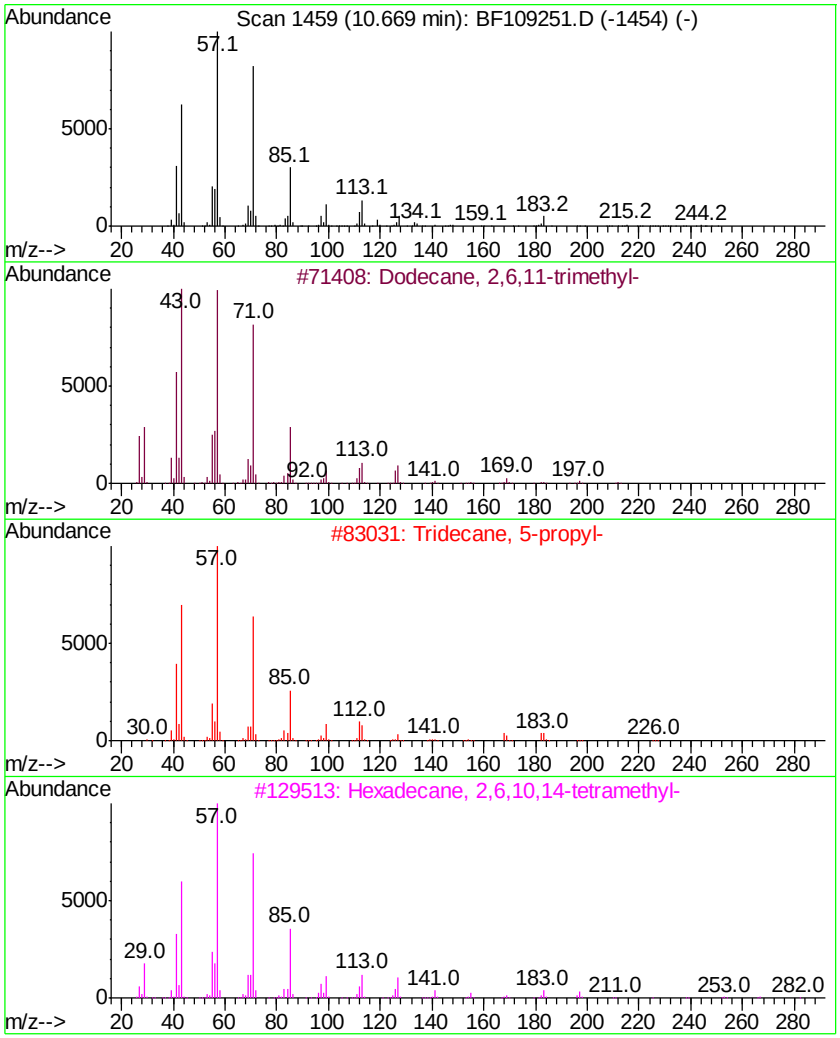
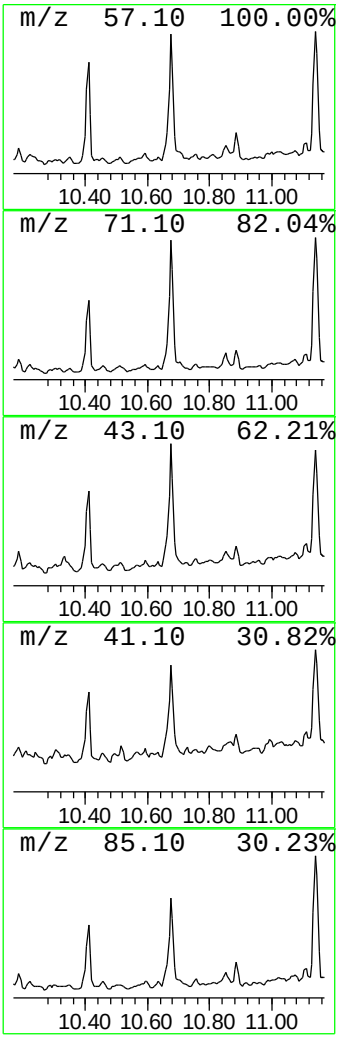
Peak Number 15 Dodecane, 2,6,11-trimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.67	84.75 ng	2030210	Phenanthrene-d10	11.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	94
2	Tridecane, 5-propyl-	226	C16H34	055045-11-9	90
3	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	90
4	Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	80
5	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	78





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092218\
Data File : BF109251.D
Acq On : 23 Sep 2018 5:33
Operator : JU/SJ
Sample : J5017-06
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RA-091918-S-NW-060

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.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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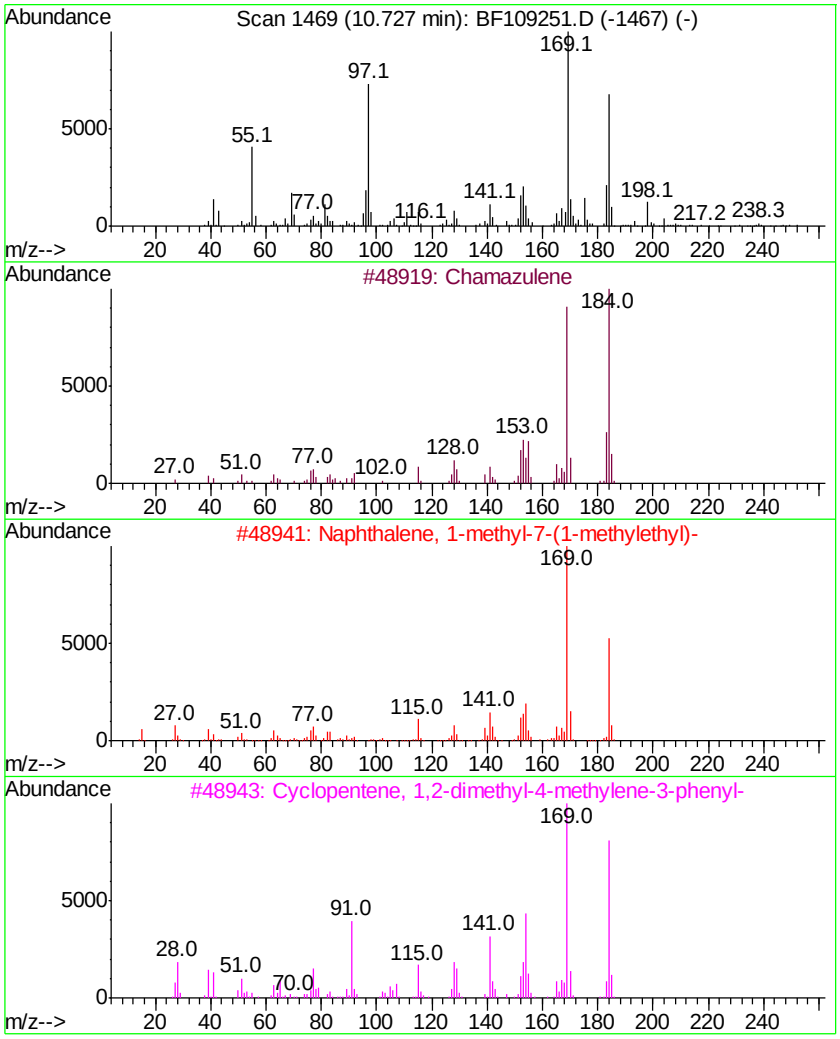
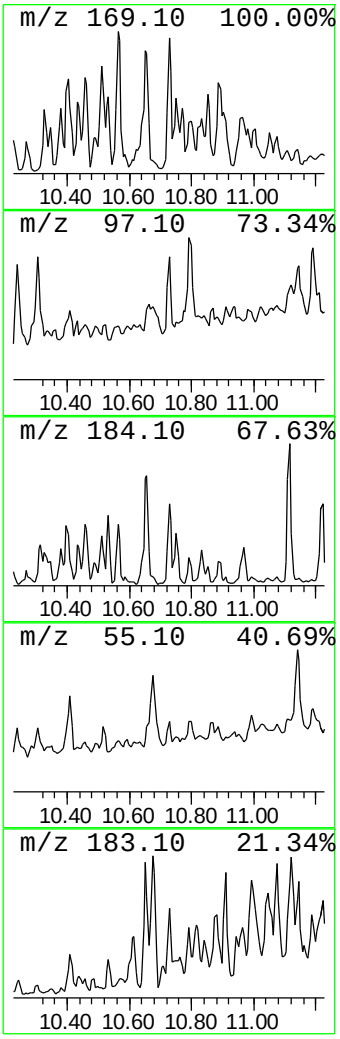
Peak Number 16 Chamazulene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.73	11.59 ng	277728	Phenanthrene-d10	11.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chamazulene	184	C14H16	000529-05-5	87
2	Naphthalene, 1-methyl-7-(1-methy...	184	C14H16	000490-65-3	70
3	Cyclopentene, 1,2-dimethyl-4-met...	184	C14H16	1000152-22-4	60
4	2,3-Dihydro-1H-1-methylcyclopent...	184	C12H12N2	026629-21-0	46
5	Phenol, 3,4,5-trimethoxy-	184	C9H12O4	000642-71-7	43





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Data File : BF109251.D
Acq On : 23 Sep 2018 5:33
Operator : JU/SJ
Sample : J5017-06
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RA-091918-S-NW-060

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.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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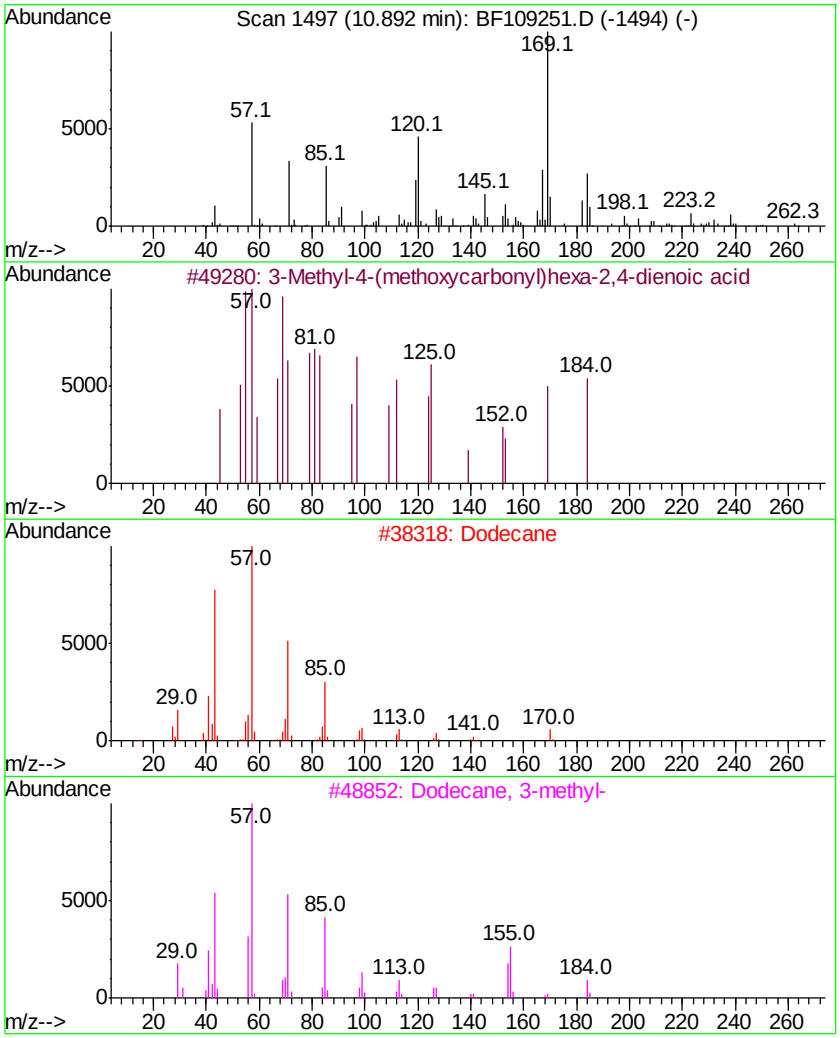
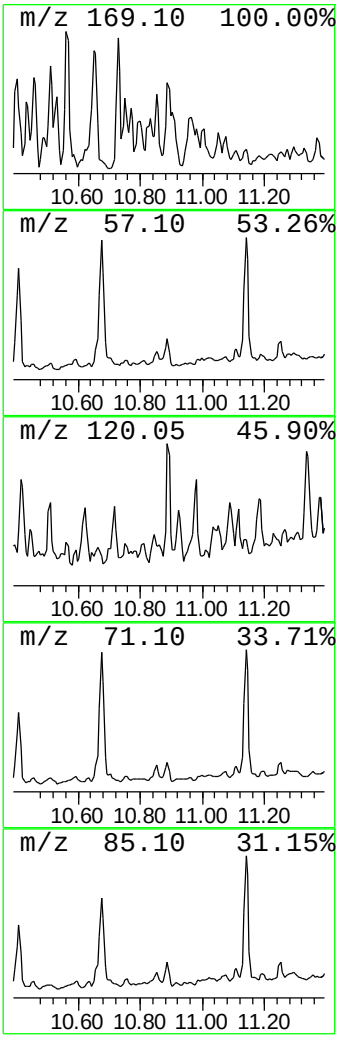
Peak Number 17 3-Methyl-4-(methoxycarbonyl... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.89	12.15 ng	290962	Phenanthrene-d10	11.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Methyl-4-(methoxycarbonyl)hexa...	184	C9H12O4	1000104-10-8	59
2	Dodecane	170	C12H26	000112-40-3	45
3	Dodecane, 3-methyl-	184	C13H28	017312-57-1	45
4	Tetradecane	198	C14H30	000629-59-4	43
5	Borane, diethyl(decyloxy)-	226	C14H31BO	1000152-34-3	38





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Data File : BF109251.D
Acq On : 23 Sep 2018 5:33
Operator : JU/SJ
Sample : J5017-06
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RA-091918-S-NW-060

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.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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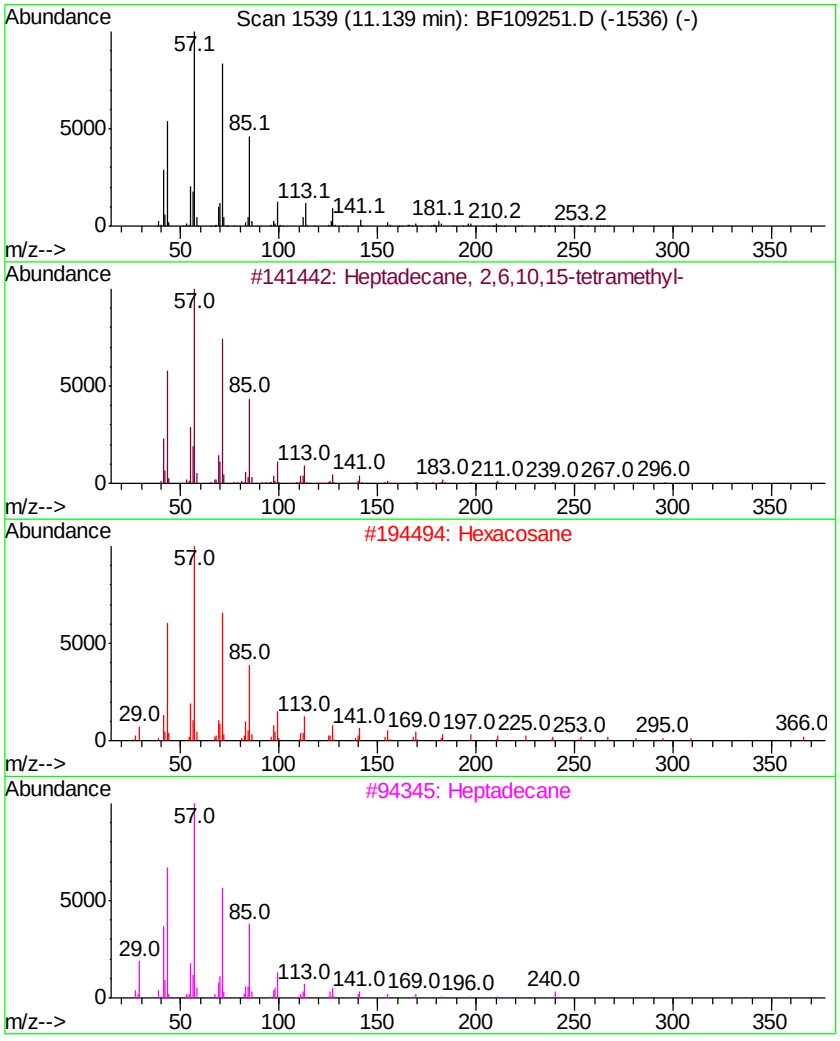
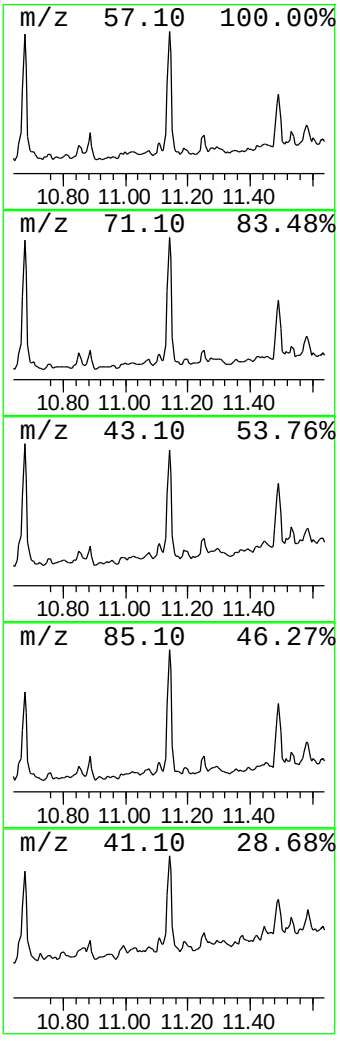
Peak Number 18 Heptadecane, 2,6,10,15-tetr... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.14	80.38 ng	1925450	Phenanthrene-d10	11.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	90
2	Hexacosane	366	C26H54	000630-01-3	83
3	Heptadecane	240	C17H36	000629-78-7	83
4	Sulfurous acid, 2-ethylhexyl hex...	278	C14H30O3S	1000309-20-2	80
5	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	78





Library Search Compound Report

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Sample : J5017-06
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RA-091918-S-NW-060

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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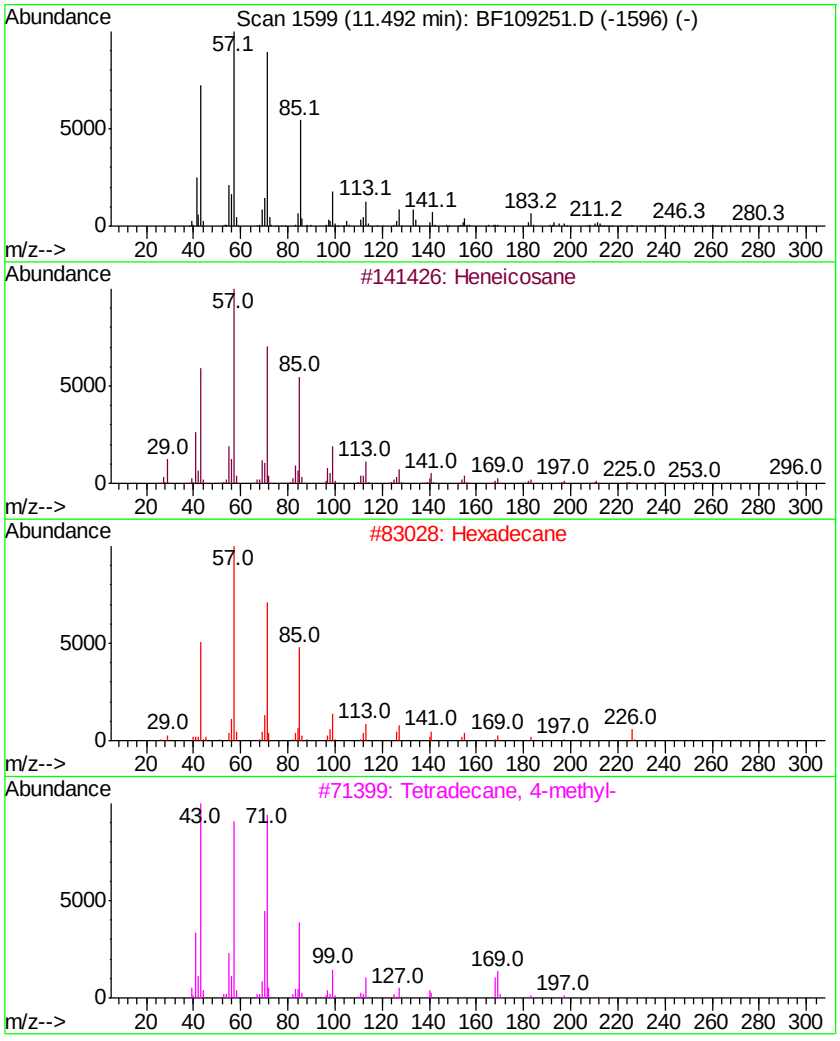
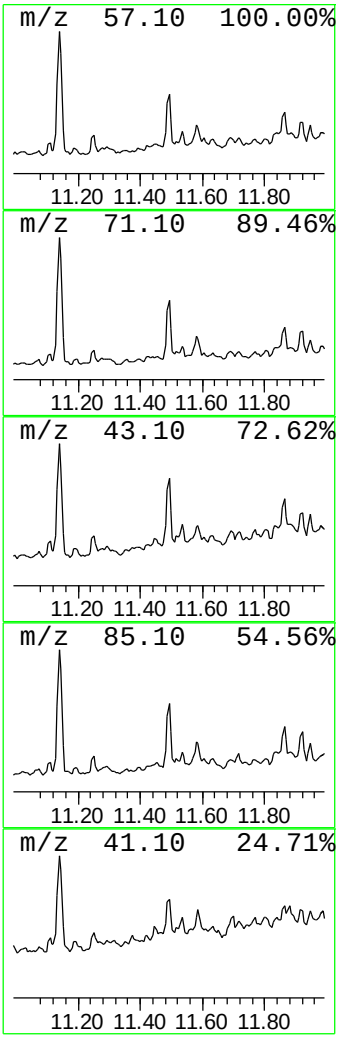
Peak Number 19 Heneicosane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.49	35.06 ng	839940	Phenanthrene-d10	11.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	90
2	Hexadecane	226	C16H34	000544-76-3	90
3	Tetradecane, 4-methyl-	212	C15H32	025117-24-2	87
4	Nonadecane	268	C19H40	000629-92-5	86
5	Tridecane, 4-methyl-	198	C14H30	026730-12-1	83





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Data File : BF109251.D
Acq On : 23 Sep 2018 5:33
Operator : JU/SJ
Sample : J5017-06
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RA-091918-S-NW-060

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.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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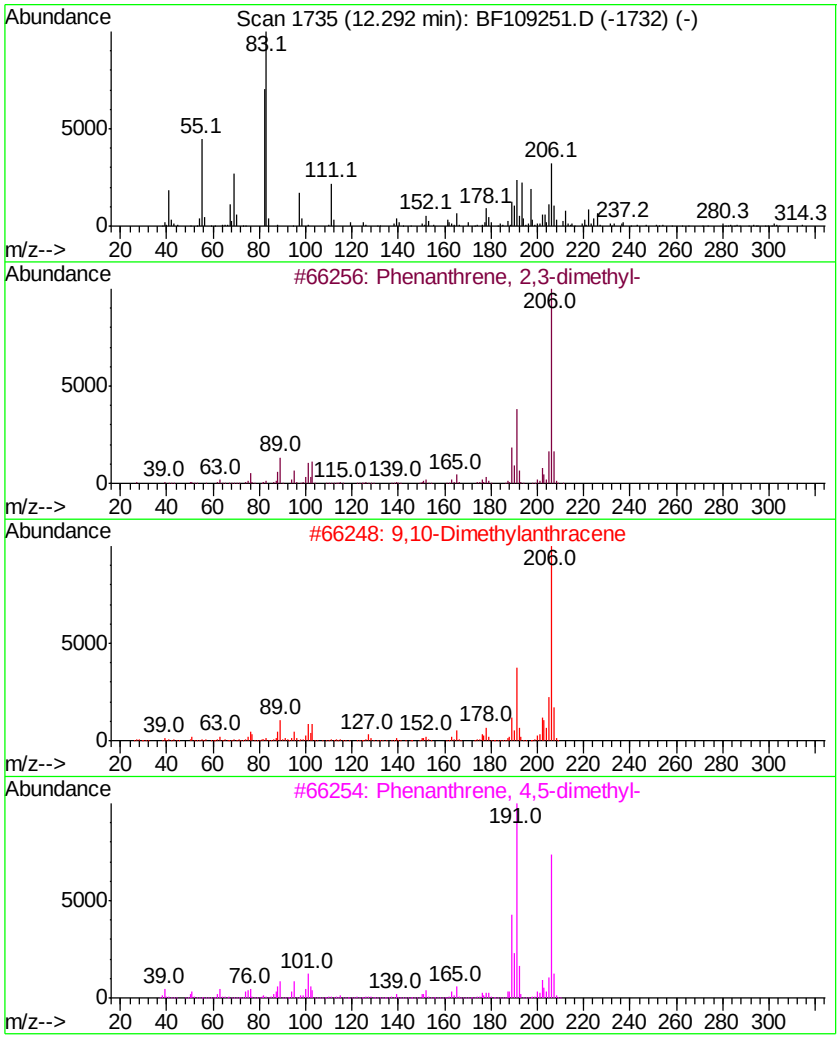
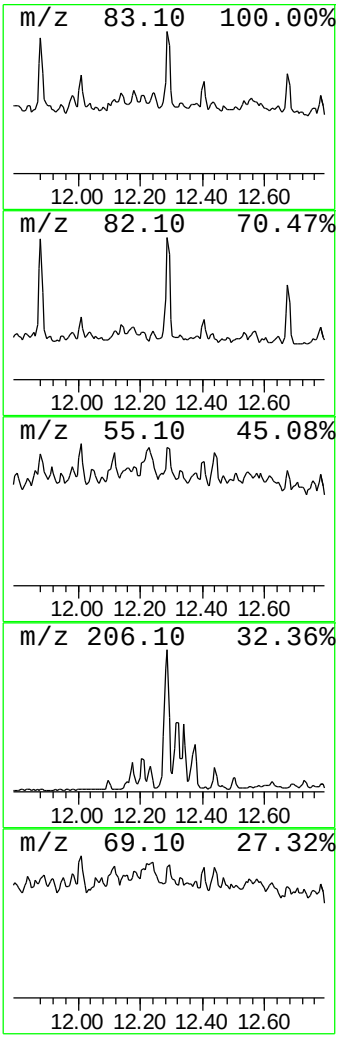
Peak Number 20 Phenanthrene, 2,3-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.29	20.31 ng	486600	Phenanthrene-d10	11.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	50
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	50
3	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	46
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	46
5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	43





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF092218\
Data File : BF109251.D
Acq On : 23 Sep 2018 5:33
Operator : JU/SJ
Sample : J5017-06
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RA-091918-S-NW-060

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.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
unknown6.47	6.47	82.2	ng	2828520	1	6.70	687894	20.0
Naphthalene, deca...	7.63	5.7	ng	293492	2	7.99	1031040	20.0
Undecane, 2,6-dim...	8.07	9.3	ng	477401	2	7.99	1031040	20.0
Cyclohexane, (4-m...	8.29	9.2	ng	474282	2	7.99	1031040	20.0
Octane, 2,6-dimet...	8.43	13.3	ng	686808	2	7.99	1031040	20.0
Decane, 6-ethyl-2...	8.69	11.6	ng	596004	2	7.99	1031040	20.0
Cyclohexane, unde...	8.91	6.4	ng	392971	3	9.74	1231250	20.0
Undecane, 3-methyl-	9.17	12.9	ng	793565	3	9.74	1231250	20.0
2,4,7,9-Tetrameth...	9.19	9.6	ng	591783	3	9.74	1231250	20.0
Naphthalene, 1,3-...	9.40	8.3	ng	509626	3	9.74	1231250	20.0
Naphthalene, 2,3,...	9.95	5.0	ng	307289	3	9.74	1231250	20.0
Dodecane, 3-cyclo...	10.02	8.4	ng	519533	3	9.74	1231250	20.0
Hexadecane	10.41	19.2	ng	1182630	3	9.74	1231250	20.0
Dodecane, 2,6,11-...	10.67	84.8	ng	2030210	4	11.22	479097	20.0
Chamazulene	10.73	11.6	ng	277728	4	11.22	479097	20.0
3-Methyl-4-(metho...	10.89	12.2	ng	290962	4	11.22	479097	20.0
Heptadecane, 2,6,...	11.14	80.4	ng	1925450	4	11.22	479097	20.0
Heneicosane	11.49	35.1	ng	839940	4	11.22	479097	20.0
Phenanthrene, 2,3...	12.29	20.3	ng	486600	4	11.22	479097	20.0