LSC Area Percent Report

Data Path : U:\HPCHEM1\BNA F\DATA\BF011518\
Data File : BF102080.D
Acq On : 15 Jan 2018 23:07
Operator : SJ/JU
Sample : J1112-04
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : ENV-116-6(MW)

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:\HPCHEM1\BNA_F\METHODS\8270-BF010918.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.310	34	38	46	rVB5	28679	66326	1.25%	0.182%
2	2.499	58	70	79	rVB2	77960	175091	3.31%	0.481%
3	2.757	110	114	125	rVB3	52814	107154	2.02%	0.294%
4	3.375	210	219	225	rVB3	31710	67013	1.27%	0.184%
5	4.134	340	348	351	rBV2	31572	58182	1.10%	0.160%
6	4.228	358	364	369	rVB	34020	54069	1.02%	0.148%
7	4.334	376	382	386	rBV2	64263	95694	1.81%	0.263%
8	4.440	393	400	409	rBV	194229	243742	4.60%	0.669%
9	4.698	439	444	446	rBV2	50518	62549	1.18%	0.172%
10	4.910	476	480	488	rVB	150778	181306	3.42%	0.498%
11	5.322	541	550	554	rBV	1806772	1747522	33.01%	4.797%
12	5.428	562	568	572	rVB2	44505	58776	1.11%	0.161%
13	5.516	578	583	588	rVB	114243	103290	1.95%	0.284%
14	5.604	592	598	600	rBV4	42170	71864	1.36%	0.197%
15	5.739	619	621	623	rVB	85838	61155	1.16%	0.168%
16	6.134	686	688	694	rVB5	38614	54197	1.02%	0.149%
17	6.345	720	724	729	rBV	1104411	994745	18.79%	2.731%
18	6.487	743	748	751	rBV	3292293	3054015	57.69%	8.383%
19	6.722	784	788	791	rBV	1186608	1053453	19.90%	2.892%
20	6.881	809	815	818	rBV	4291839	4191663	79.18%	11.506%
21	7.116	851	855	863	rBV8	33113	72524	1.37%	0.199%
22	7.292	872	885	887	rBV	3042198	3514660	66.39%	9.648%
23	7.363	894	897	901	rBV3	62763	54039	1.02%	0.148%
24	7.410	901	905	907	rVB	82308	73088	1.38%	0.201%
25	7.569	928	932	934	rBV	135992	117894	2.23%	0.324%
26	7.651	941	946	950	rBV2	61863	72255	1.36%	0.198%
27	7.686	950	952	955	rVB	113577	86789	1.64%	0.238%
28	7.739	955	961	963	rBV3	42760	56198	1.06%	0.154%
29	8.004	999	1006	1008	rBV	1444145	1353050	25.56%	3.714%
30	8.022	1008	1009	1012	rVB2	103146	74219	1.40%	0.204%
31	8.128	1024	1027	1030	rBV2	54276	66484	1.26%	0.182%
32	8.204	1034	1040	1042	rVV6	51240	85071	1.61%	0.234%
33	8.257	1045	1049	1053	rBV3	116473	153081	2.89%	0.420%
34	8.304	1053	1057	1058	rBV	51933	53079	1.00%	0.146%

LSC Area Percent Report

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Data File : BF102080.D
Acq On : 15 Jan 2018 23:07
Operator : SJ/JU
Sample : J1112-04
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : ENV-116-6(MW)

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:\HPCHEM1\BNA_F\METHODS\8270-BF010918.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	8.322	1058	1060	1063	rVB3	117284	96363	1.82%	0.265%
36	8.375	1063	1069	1073	rBV8	35319	64012	1.21%	0.176%
37	8.433	1076	1079	1083	rBV4	62923	101579	1.92%	0.279%
38	8.522	1088	1094	1096	rBV3	181863	202961	3.83%	0.557%
39	8.551	1096	1099	1103	rVV3	68178	90689	1.71%	0.249%
40	8.592	1103	1106	1109	rVV	177308	139671	2.64%	0.383%
41	8.628	1109	1112	1116	rVB4	84888	115400	2.18%	0.317%
42	8.669	1116	1119	1122	rBV	166914	167964	3.17%	0.461%
43	8.704	1123	1125	1128	rVB2	74794	64631	1.22%	0.177%
44	8.798	1136	1141	1145	rBV4	81561	152377	2.88%	0.418%
45	8.845	1145	1149	1154	rVB4	150471	241201	4.56%	0.662%
46	8.892	1154	1157	1159	rBV3	59052	73860	1.40%	0.203%
47	8.945	1159	1166	1169	rVB4	224683	280715	5.30%	0.771%
48	9.004	1173	1176	1178	rBV3	64941	53369	1.01%	0.146%
49	9.033	1178	1181	1184	rVB4	68805	70419	1.33%	0.193%
50	9.080	1184	1189	1192	rBV	5032766	5293815	100.00%	14.531%
51	9.133	1192	1198	1200	rVB6	49024	62673	1.18%	0.172%
52	9.169	1200	1204	1207	rBV5	135925	156917	2.96%	0.431%
53	9.239	1214	1216	1219	rVB2	98390	74703	1.41%	0.205%
54	9.322	1226	1230	1231	rBV3	82899	95906	1.81%	0.263%
55	9.339	1231	1233	1235	rVV	200024	149754	2.83%	0.411%
56	9.369	1235	1238	1239	rVV3	73848	74991	1.42%	0.206%
57	9.386	1239	1241	1243	rVB2	90891	69209	1.31%	0.190%
58	9.469	1253	1255	1258	rBV3	51847	63416	1.20%	0.174%
59	9.569	1269	1272	1275	rVB3	67015	69185	1.31%	0.190%
60	9.610	1276	1279	1283	rBV5	76237	72228	1.36%	0.198%
61	9.751	1299	1303	1307	rBV	1389443	1264661	23.89%	3.471%
62	10.075	1355	1358	1362	rVB4	61389	87174	1.65%	0.239%
63	10.186	1373	1377	1380	rBV3	78112	72724	1.37%	0.200%
64	10.292	1393	1395	1398	rBV4	58047	56996	1.08%	0.156%
65	10.363	1404	1407	1411	rBV	142311	153800	2.91%	0.422%
66	10.539	1432	1437	1442	rVB	2014919	1818024	34.34%	4.990%
67	10.657	1451	1457	1463	rVB4	110545	208813	3.94%	0.573%
68	10.739	1466	1471	1476	rBV5	37341	77541	1.46%	0.213%
69	10.874	1492	1494	1501	rBV4	96691	106332	2.01%	0.292%
70	10.980	1510	1512	1517	rVB3	46604	63930	1.21%	0.175%
71	11.233	1552	1555	1558	rVV	1133595	894458	16.90%	2.455%

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Misc :
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Instrument : BNA_F
ClientSampleId : ENV-116-6(MW)

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:\HPCHEM1\BNA_F\METHODS\8270-BF010918.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	11.286	1562	1564	1571	rVB	70962	68803	1.30%	0.189%
73	11.351	1571	1575	1580	rVB4	59687	79191	1.50%	0.217%
74	11.763	1643	1645	1650	rBV2	104462	107949	2.04%	0.296%
75	12.821	1820	1825	1828	rBV	3424286	3160094	59.69%	8.674%
76	13.215	1889	1892	1897	rVB	70986	66555	1.26%	0.183%
77	13.710	1973	1976	1980	rBV	127622	128585	2.43%	0.353%
78	13.862	1998	2002	2006	rBV	922618	831125	15.70%	2.281%
79	15.280	2238	2243	2247	rBV	625056	751780	14.20%	2.064%

Sum of corrected areas: 36430780

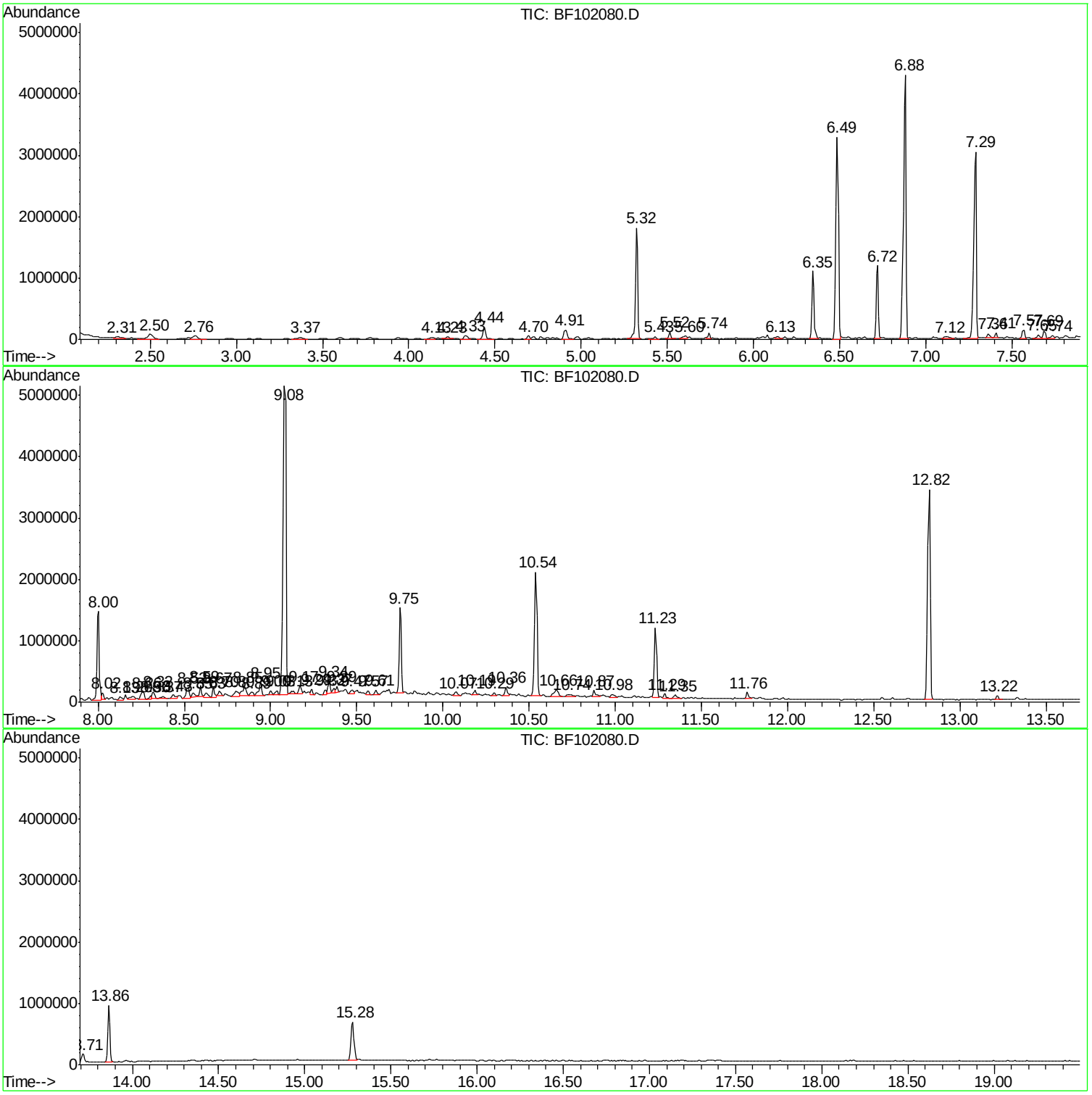
LSC Report - Integrated Chromatogram

Data Path : U:\HPCHEM1\BNA F\DATA\BF011518\
Data File : BF102080.D
Acq On : 15 Jan 2018 23:07
Operator : SJ/JU
Sample : J1112-04
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : ENV-116-6(MW)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : U:\HPCHEM1\BNA F\DATA\BF011518\
Data File : BF102080.D
Acq On : 15 Jan 2018 23:07
Operator : SJ/JU
Sample : J1112-04
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : ENV-116-6(MW)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

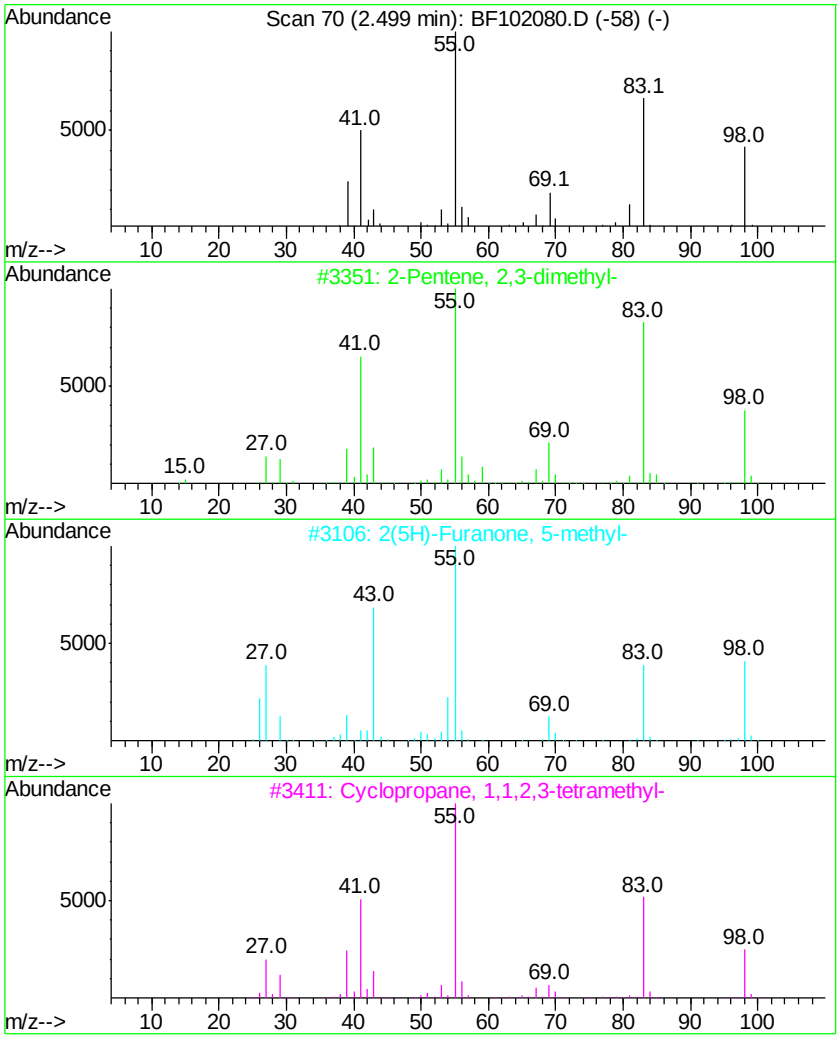
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

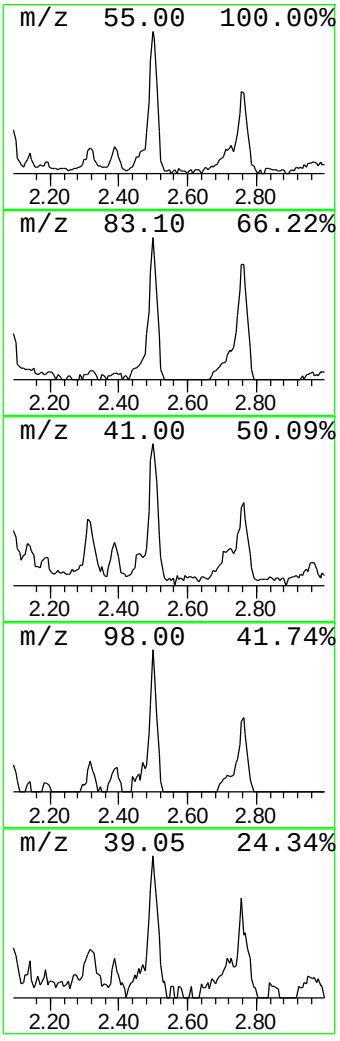
****

Peak Number 1 2-Pentene, 2,3-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.50	3.32 ng	175091	1,4-Dichlorobenzene-d4	6.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentene, 2,3-dimethyl-	98	C7H14	010574-37-5	87
2	2(5H)-Furanone, 5-methyl-	98	C5H6O2	000591-11-7	72
3	Cyclopropane, 1,1,2,3-tetramethyl-	98	C7H14	074752-93-5	59
4	3-Penten-2-one, 3-methyl-	98	C6H10O	000565-62-8	53
5	Cyclopropane, 1,1,2,2-tetramethyl-	98	C7H14	004127-47-3	50





Library Search Compound Report

Data Path : U:\HPCHEM1\BNA F\DATA\BF011518\
Data File : BF102080.D
Acq On : 15 Jan 2018 23:07
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Sample : J1112-04
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : ENV-116-6(MW)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

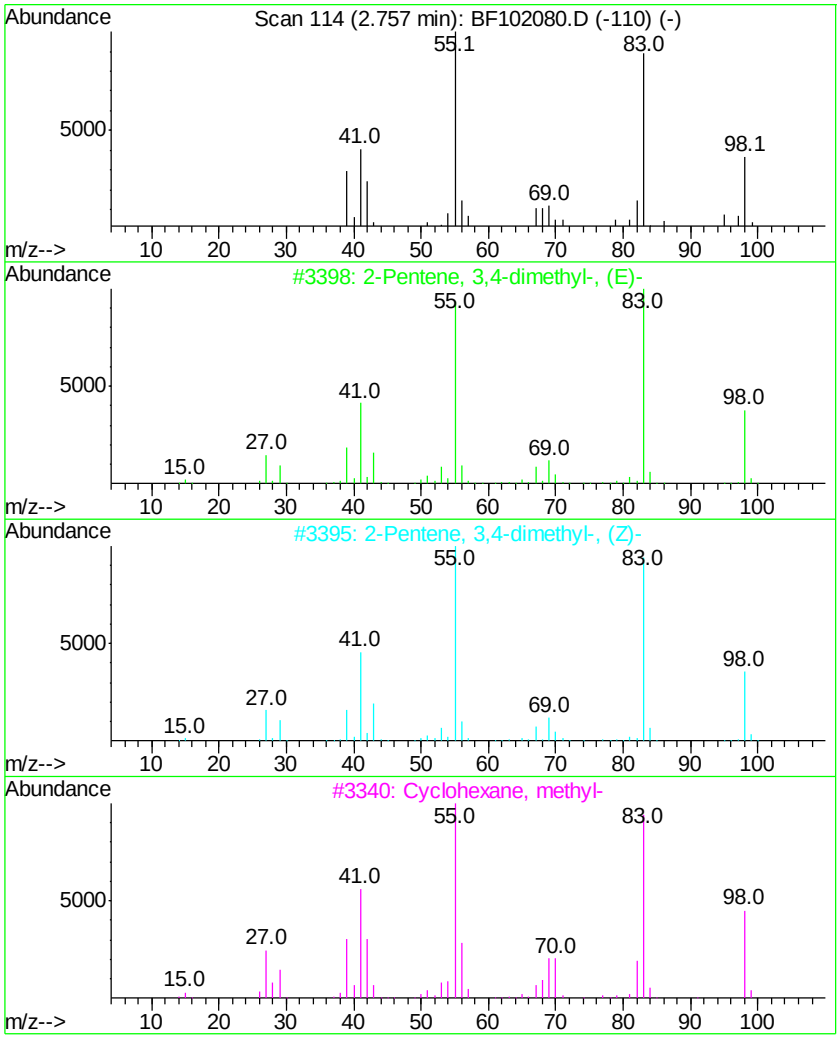
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

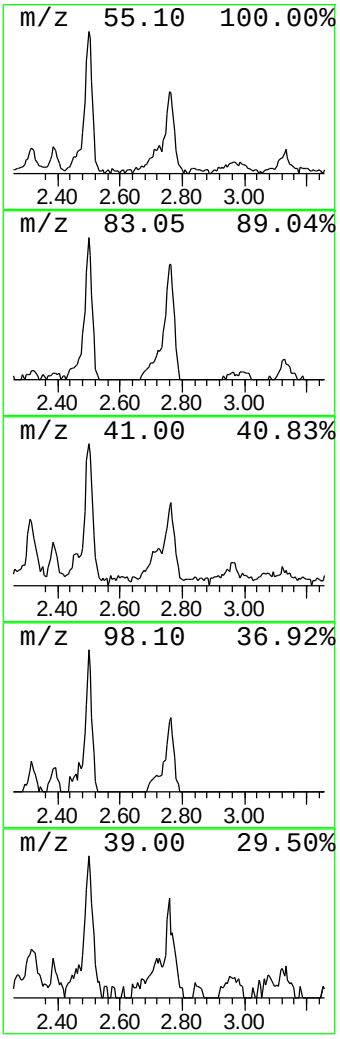
****

Peak Number 2 2-Pentene, 3,4-dimethyl-, (E)- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.76	2.03 ng	107154	1,4-Dichlorobenzene-d4	6.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentene, 3,4-dimethyl-, (E)-	98	C7H14	004914-92-5	76
2	2-Pentene, 3,4-dimethyl-, (Z)-	98	C7H14	004914-91-4	74
3	Cyclohexane, methyl-	98	C7H14	000108-87-2	72
4	2-Pentene, 4,4-dimethyl-, (Z)-	98	C7H14	000762-63-0	64
5	2-Pentene, 3,4-dimethyl-	98	C7H14	024910-63-2	64





Library Search Compound Report

Data Path : U:\HPCHEM1\BNA F\DATA\BF011518\
Data File : BF102080.D
Acq On : 15 Jan 2018 23:07
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Sample : J1112-04
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ENV-116-6(MW)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

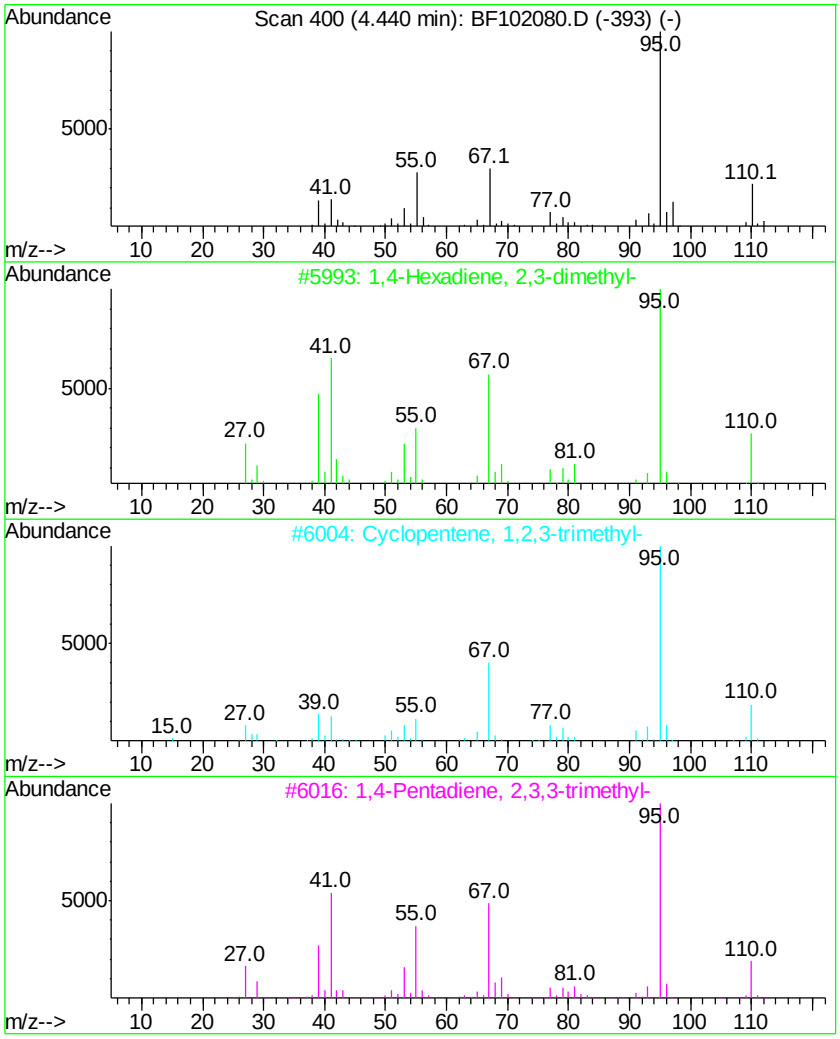
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

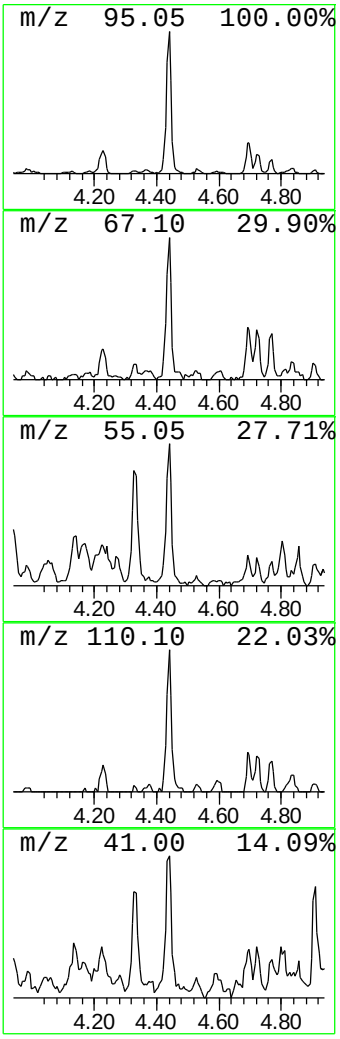
****

Peak Number 3 1,4-Hexadiene, 2,3-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.44	4.63 ng	243742	1,4-Dichlorobenzene-d4	6.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Hexadiene, 2,3-dimethyl-	110	C8H14	018669-52-8	87
2	Cyclopentene, 1,2,3-trimethyl-	110	C8H14	000473-91-6	83
3	1,4-Pentadiene, 2,3,3-trimethyl-	110	C8H14	000756-02-5	78
4	1,3-Dimethyl-1-cyclohexene	110	C8H14	002808-76-6	72
5	Furan, 2-ethyl-5-methyl-	110	C7H10O	001703-52-2	64





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Operator : SJ/JU
Sample : J1112-04
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : ENV-116-6(MW)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

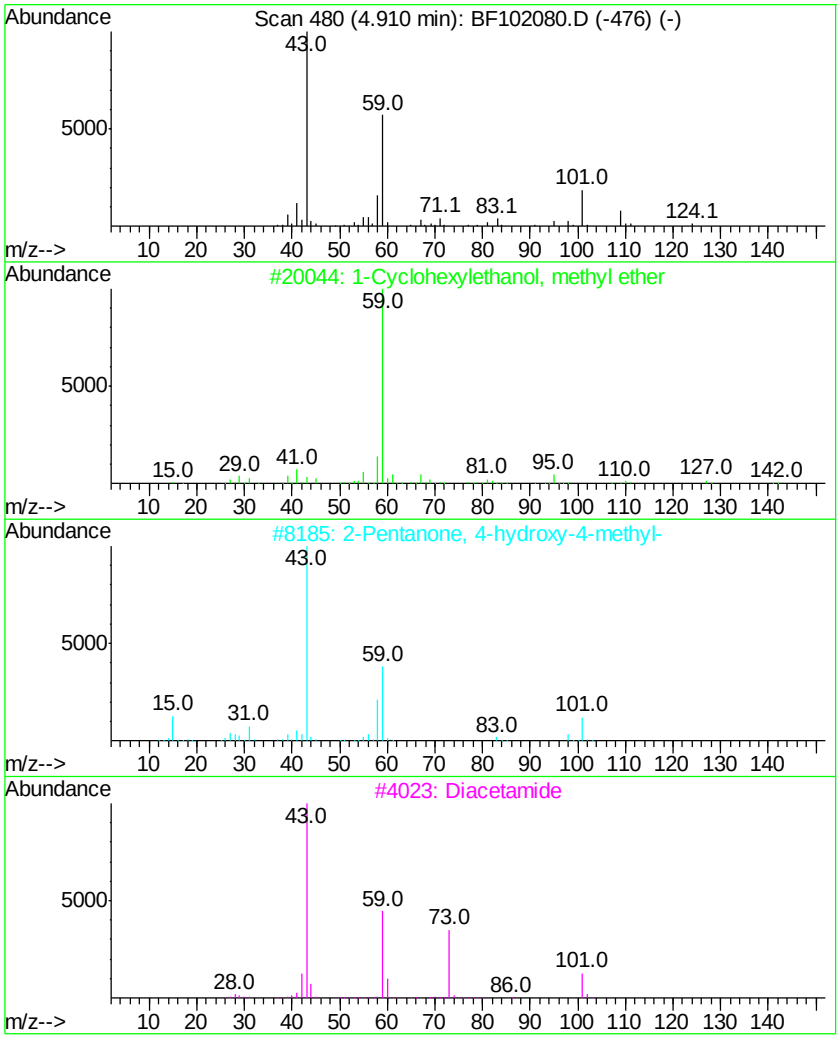
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

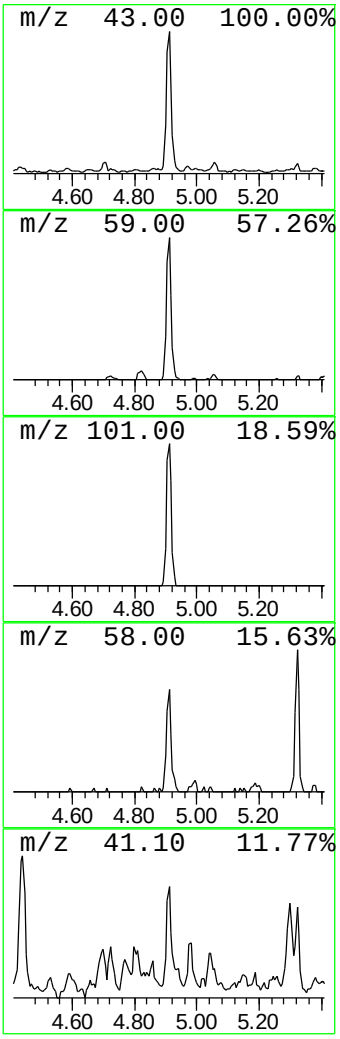
****

Peak Number 4 unknown4.91 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.91	3.44 ng	181306	1,4-Dichlorobenzene-d4	6.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Cyclohexylethanol, methyl ether	142	C9H18O	1000365-12-8	43
2	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	36
3	Diacetamide	101	C4H7NO2	000625-77-4	36
4	3-Heptanol, 4-methyl-	130	C8H18O	014979-39-6	25
5	3-Hexanol, 4-ethyl-	130	C8H18O	019780-44-0	25





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Operator : SJ/JU
Sample : J1112-04
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : ENV-116-6(MW)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

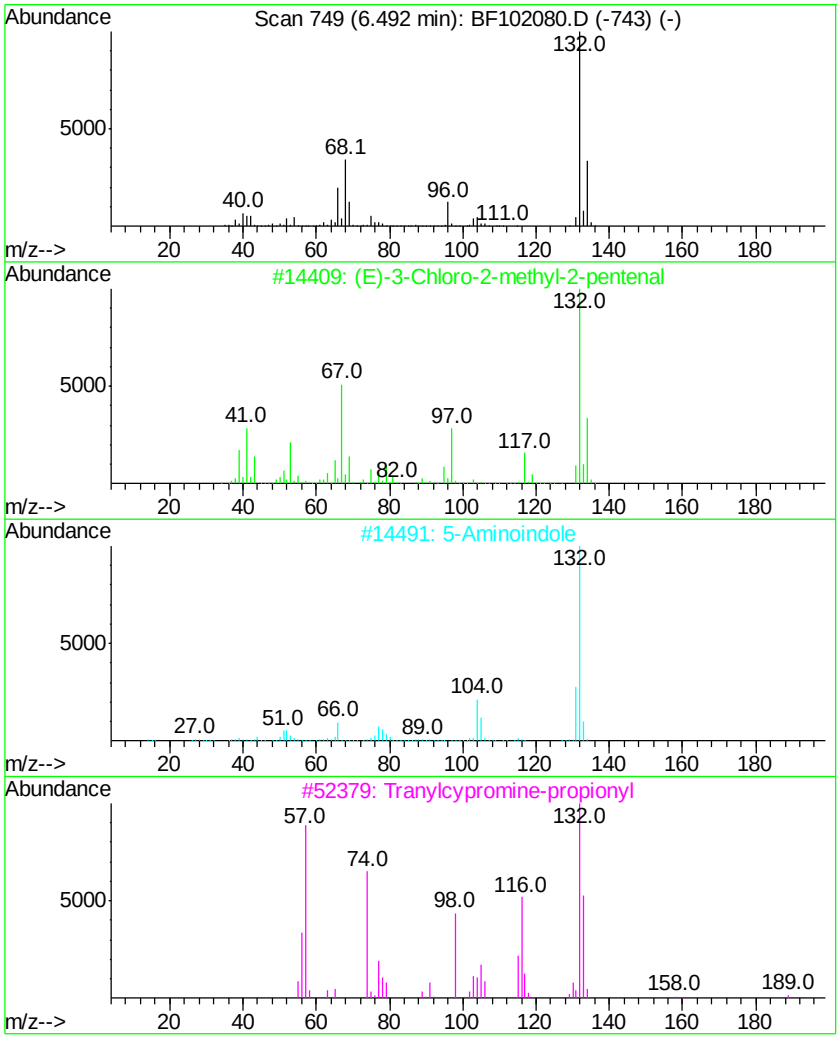
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

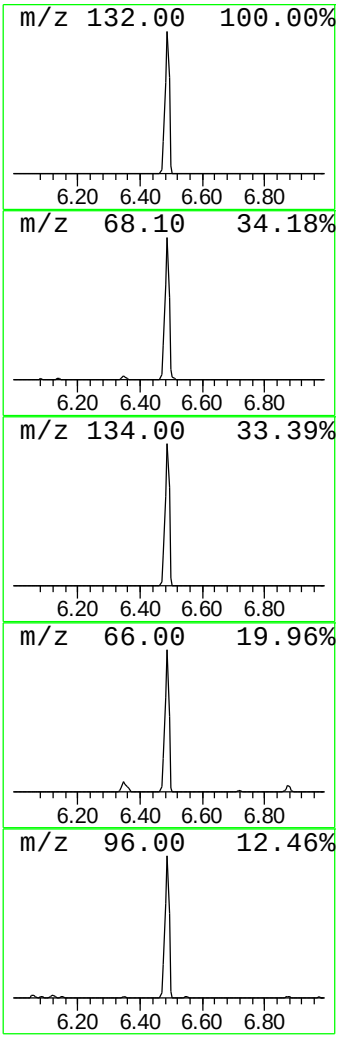
****

Peak Number 5 unknown6.49 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.49	57.98 ng	3054020	1,4-Dichlorobenzene-d4	6.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	16
2	5-Aminoindole	132	C8H8N2	005192-03-0	12
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	9
5	1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9





Library Search Compound Report

Data Path : U:\HPCHEM1\BNA F\DATA\BF011518\
Data File : BF102080.D
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Operator : SJ/JU
Sample : J1112-04
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : ENV-116-6(MW)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

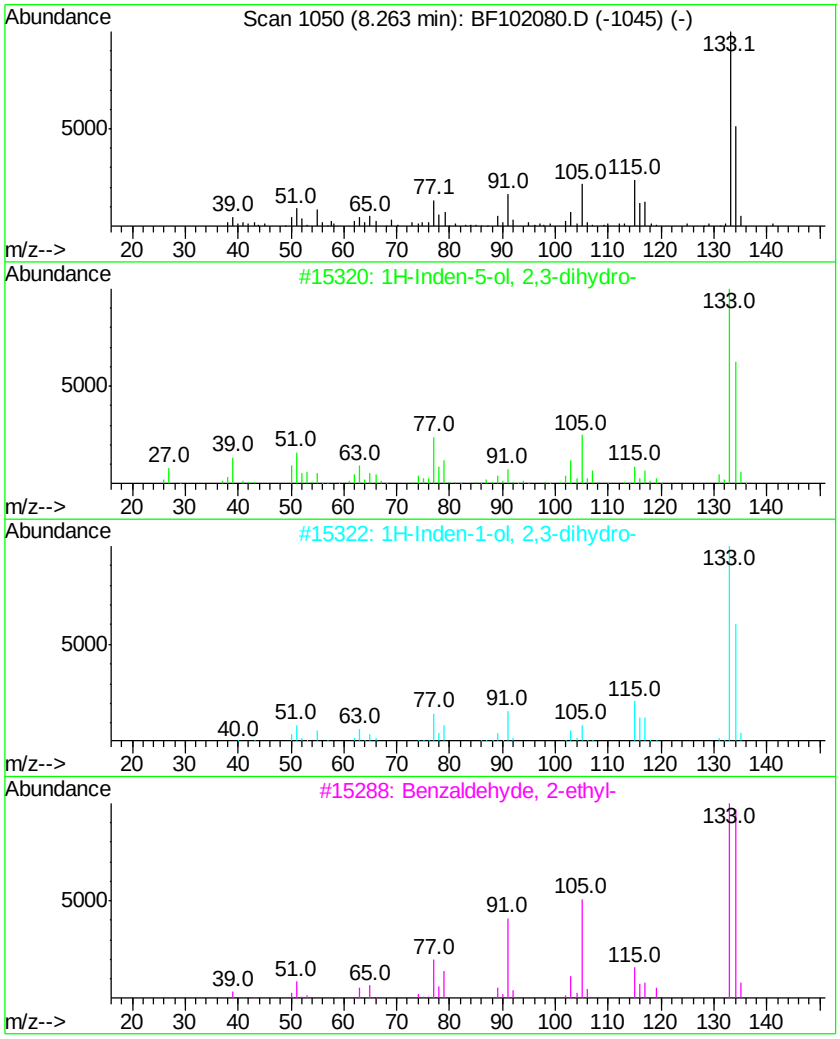
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

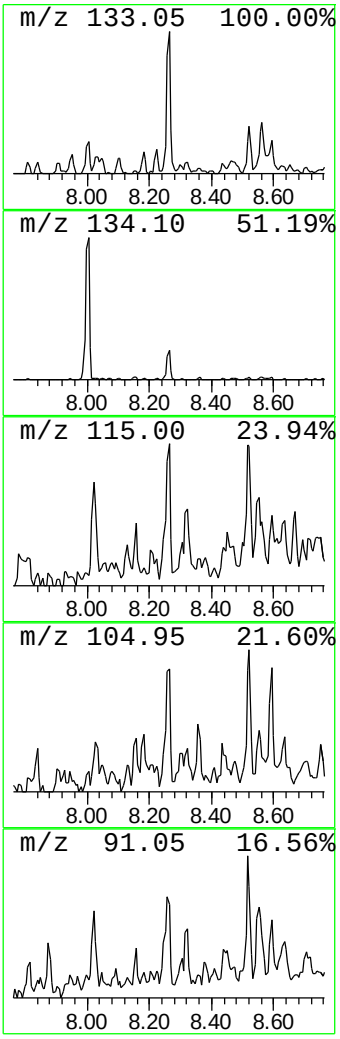
****

Peak Number 7 1H-Inden-5-ol, 2,3-dihydro- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.26	2.26 ng	153081	Naphthalene-d8	8.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Inden-5-ol, 2,3-dihydro-	134	C9H10O	001470-94-6	94
2	1H-Inden-1-ol, 2,3-dihydro-	134	C9H10O	006351-10-6	81
3	Benzaldehyde, 2-ethyl-	134	C9H10O	022927-13-5	46
4	Pyrazine, 2-methyl-6-(1-propenyl...	134	C8H10N2	018217-81-7	43
5	Pyrazine, 2-methyl-5-(1-propenyl...	134	C8H10N2	018217-82-8	43





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Data File : BF102080.D
Acq On : 15 Jan 2018 23:07
Operator : SJ/JU
Sample : J1112-04
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : ENV-116-6(MW)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010918.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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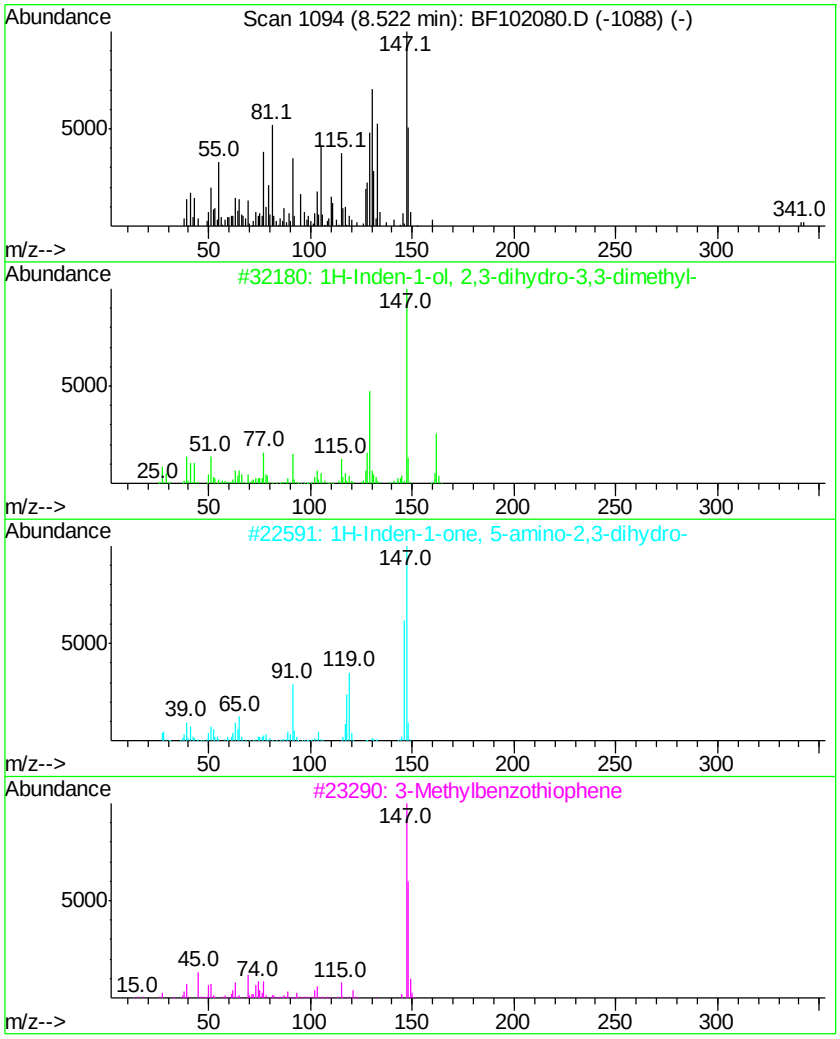
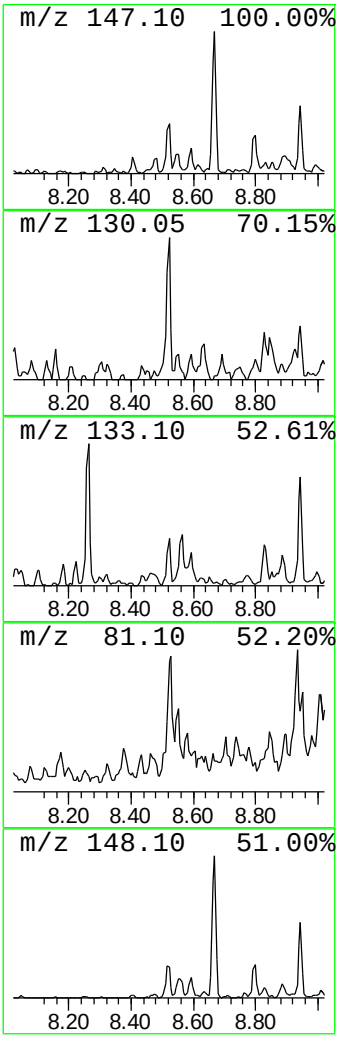
Peak Number 8 unknown8.52 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.52	3.00 ng	202961	Naphthalene-d8	8.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Inden-1-ol, 2,3-dihydro-3,3-d...	162	C11H14O	038393-92-9	43
2	1H-Inden-1-one, 5-amino-2,3-dihy...	147	C9H9NO	003470-54-0	35
3	3-Methylbenzothiophene	148	C9H8S	001455-18-1	25
4	Benzaldehyde, 4-(1-methylethyl)-	148	C10H12O	000122-03-2	25
5	Propanal, 2-methyl-3-phenyl-	148	C10H12O	1000131-87-6	25





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Sample : J1112-04
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : ENV-116-6(MW)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010918.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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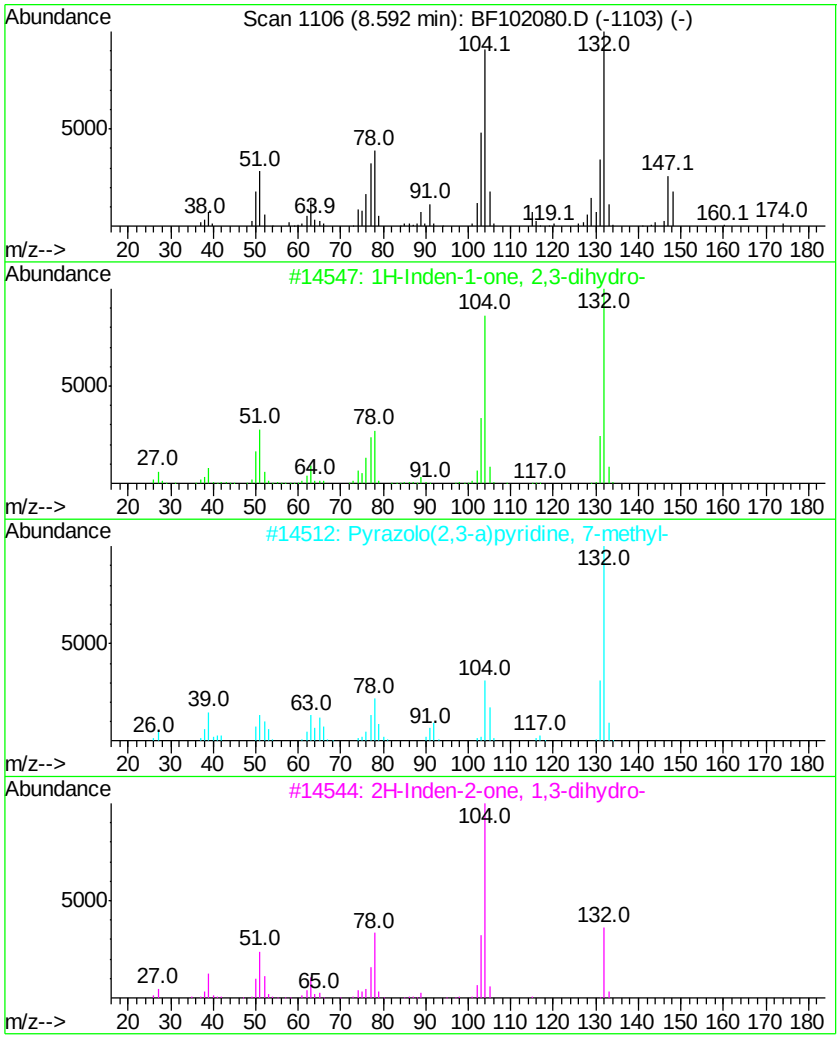
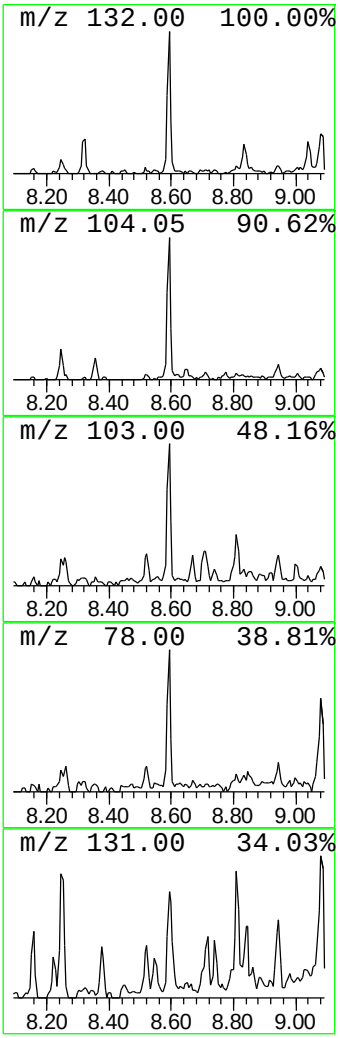
Peak Number 9 1H-Inden-1-one, 2,3-dihydro- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.59	2.06 ng	139671	Naphthalene-d8	8.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Inden-1-one, 2,3-dihydro-	132	C9H8O	000083-33-0	98
2	Pyrazolo(2,3-a)pyridine, 7-methyl-	132	C8H8N2	034760-58-2	62
3	2H-Inden-2-one, 1,3-dihydro-	132	C9H8O	000615-13-4	52
4	Benzonitrile, 4-(1-hydroxyethyl)-	147	C9H9NO	052067-35-3	52
5	5-Aminoindole	132	C8H8N2	005192-03-0	52





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Operator : SJ/JU
Sample : J1112-04
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : ENV-116-6(MW)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010918.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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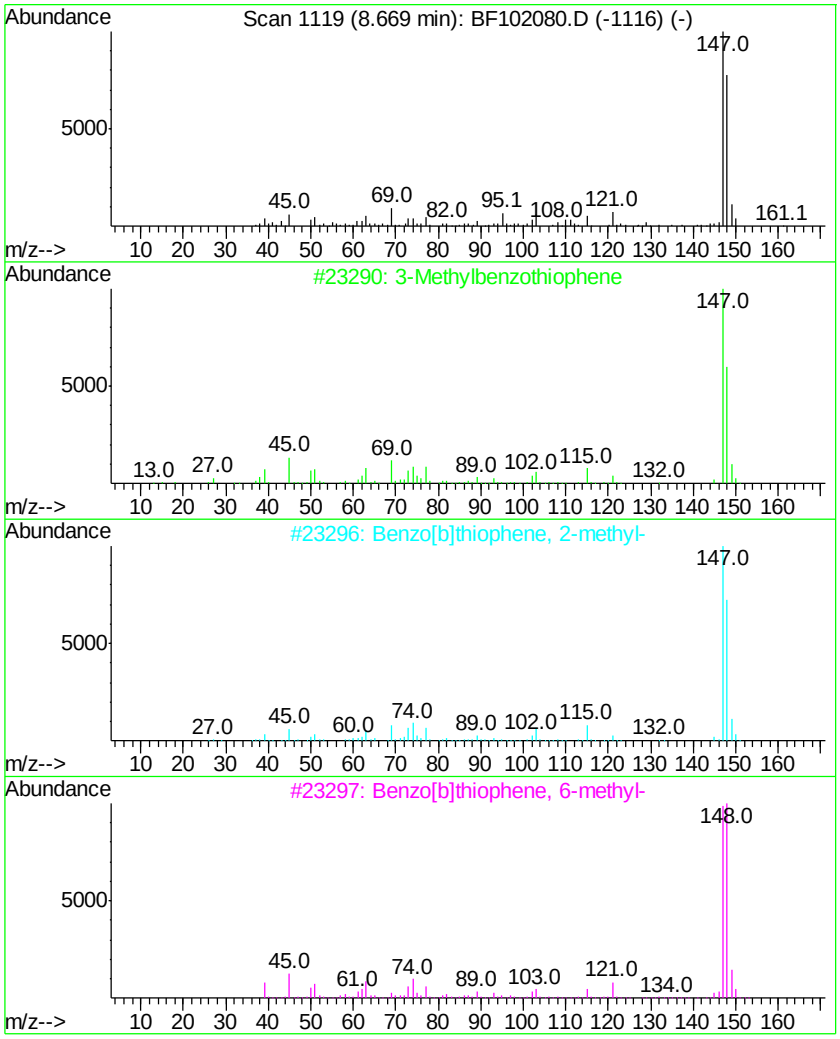
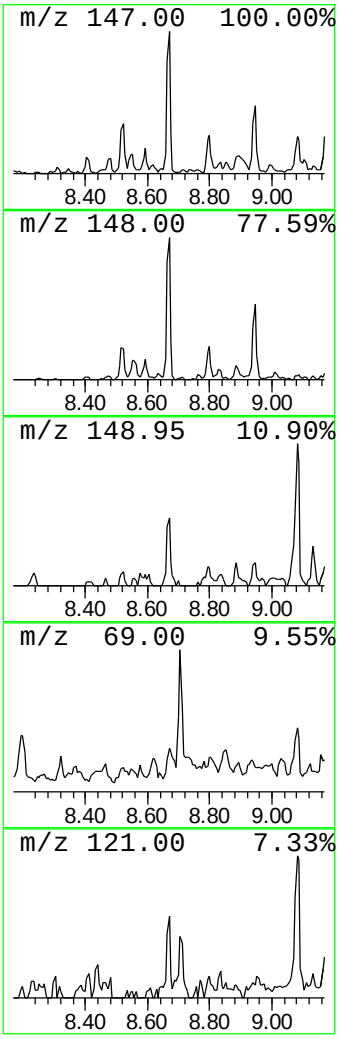
Peak Number 10 3-Methylbenzothiophene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.67	2.48 ng	167964	Naphthalene-d8	8.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Methylbenzothiophene	148	C9H8S	001455-18-1	91
2	Benzo[b]thiophene, 2-methyl-	148	C9H8S	001195-14-8	90
3	Benzo[b]thiophene, 6-methyl-	148	C9H8S	016587-47-6	90
4	Benzo[b]thiophene, 4-methyl-	148	C9H8S	014315-11-8	87
5	Benzaldehyde, 2,4,5-trimethyl-	148	C10H12O	005779-72-6	72





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Operator : SJ/JU
Sample : J1112-04
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : ENV-116-6(MW)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010918.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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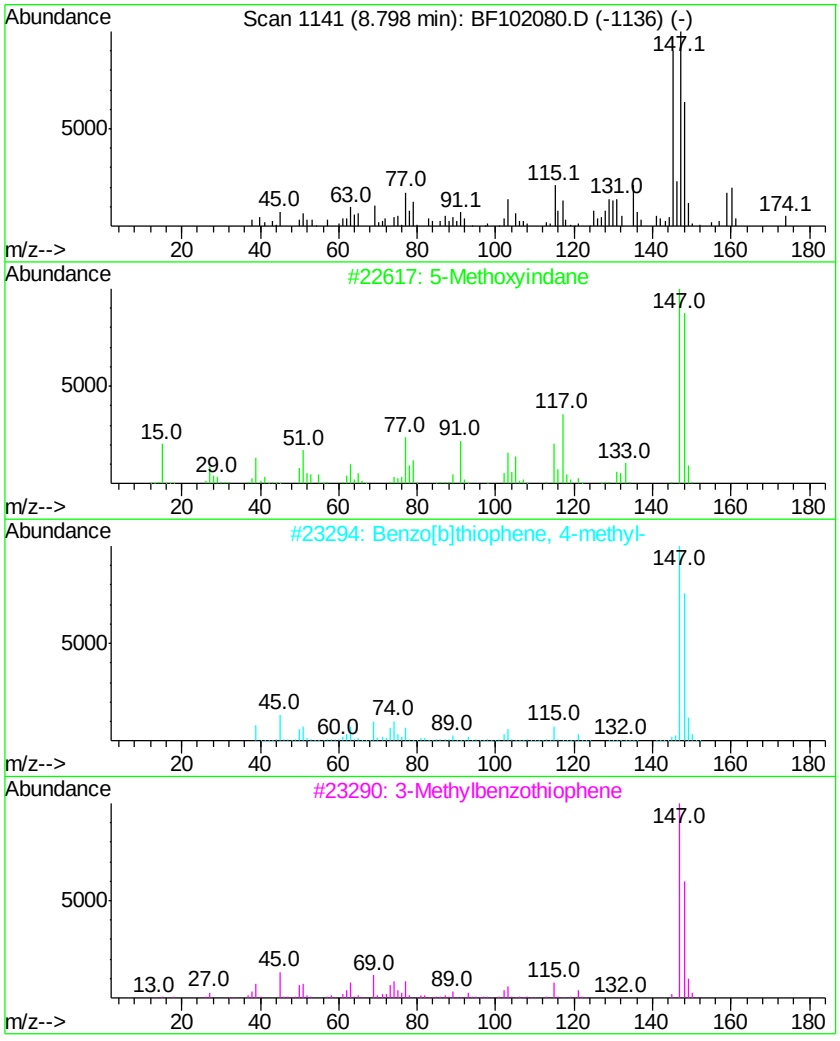
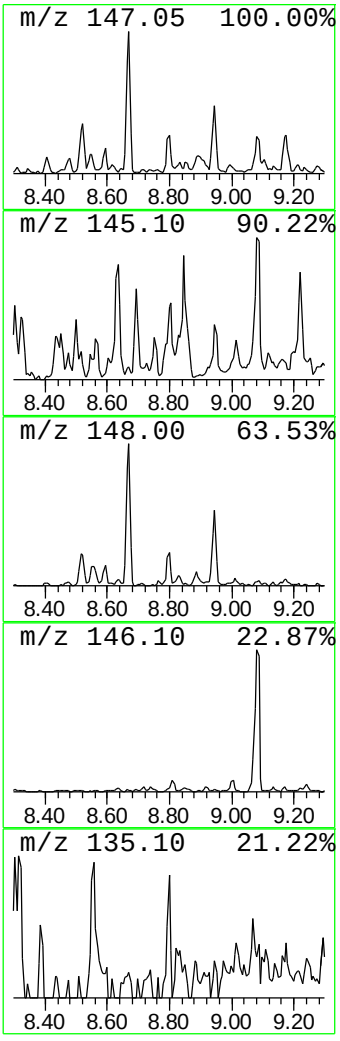
Peak Number 11 unknown8.80 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.80	2.25 ng	152377	Naphthalene-d8	8.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Methoxyindane	148	C10H12O	1000342-73-8	46
2	Benzo[b]thiophene, 4-methyl-	148	C9H8S	014315-11-8	38
3	3-Methylbenzothiophene	148	C9H8S	001455-18-1	38
4	1H-Indene, 2,3-dihydro-1,1,3-tri...	160	C12H16	002613-76-5	38
5	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	001076-61-5	30





Library Search Compound Report

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Data File : BF102080.D
Acq On : 15 Jan 2018 23:07
Operator : SJ/JU
Sample : J1112-04
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : ENV-116-6(MW)

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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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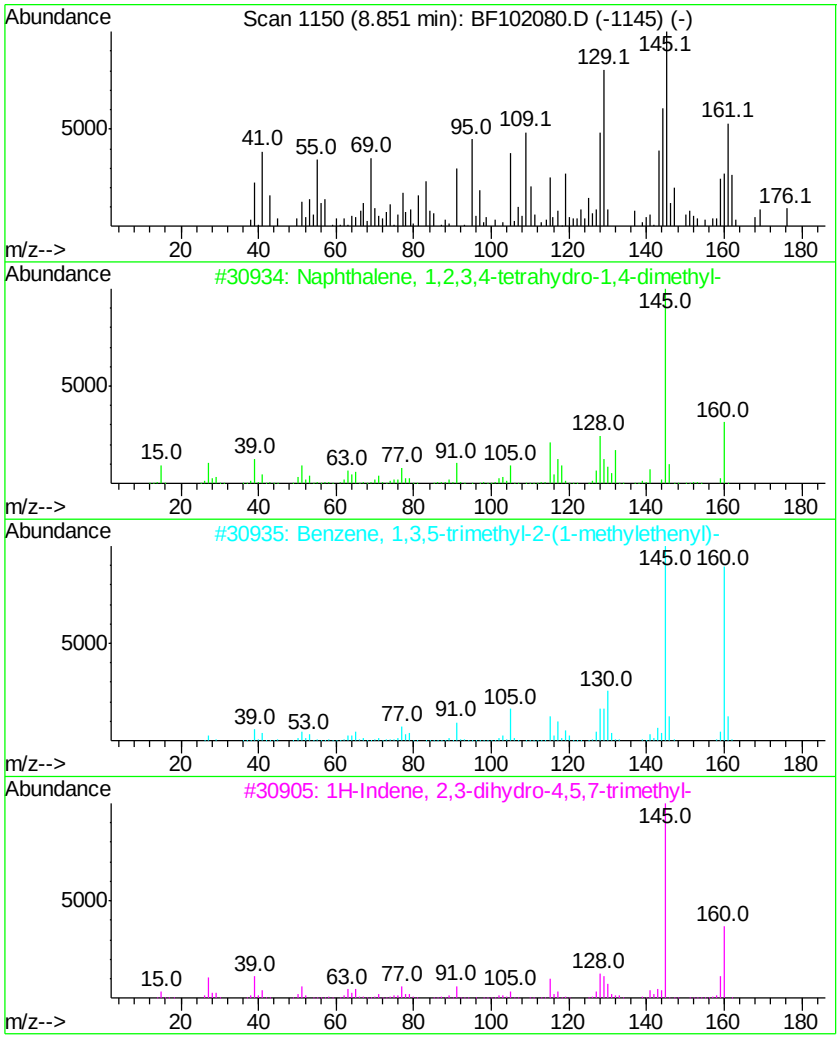
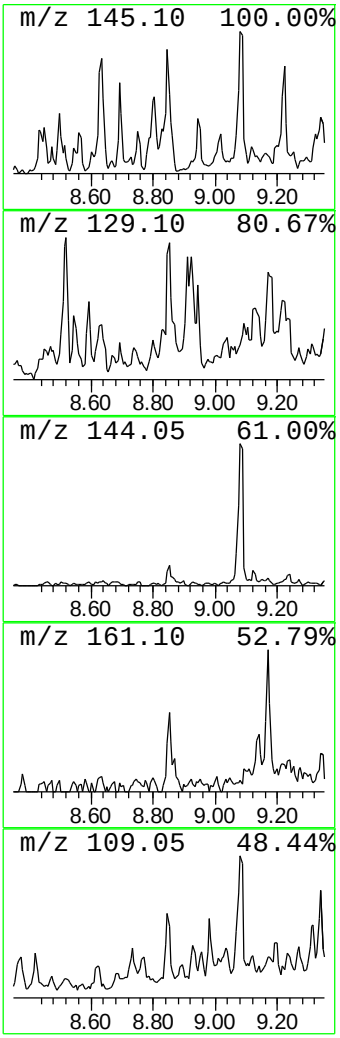
Peak Number 12 unknown8.85 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.85	3.57 ng	241201	Naphthalene-d8	8.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	004175-54-6	49
2	Benzene, 1,3,5-trimethyl-2-(1-me...	160	C12H16	014679-13-1	47
3	1H-Indene, 2,3-dihydro-4,5,7-tri...	160	C12H16	006682-06-0	38
4	Indene, 1,1-dimethyl-1-sila-	160	C10H12Si	058310-24-0	38
5	Ethanone, 1-(2-benzofuranyl)-	160	C10H8O2	001646-26-0	30





Library Search Compound Report

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Operator : SJ/JU
Sample : J1112-04
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : ENV-116-6(MW)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010918.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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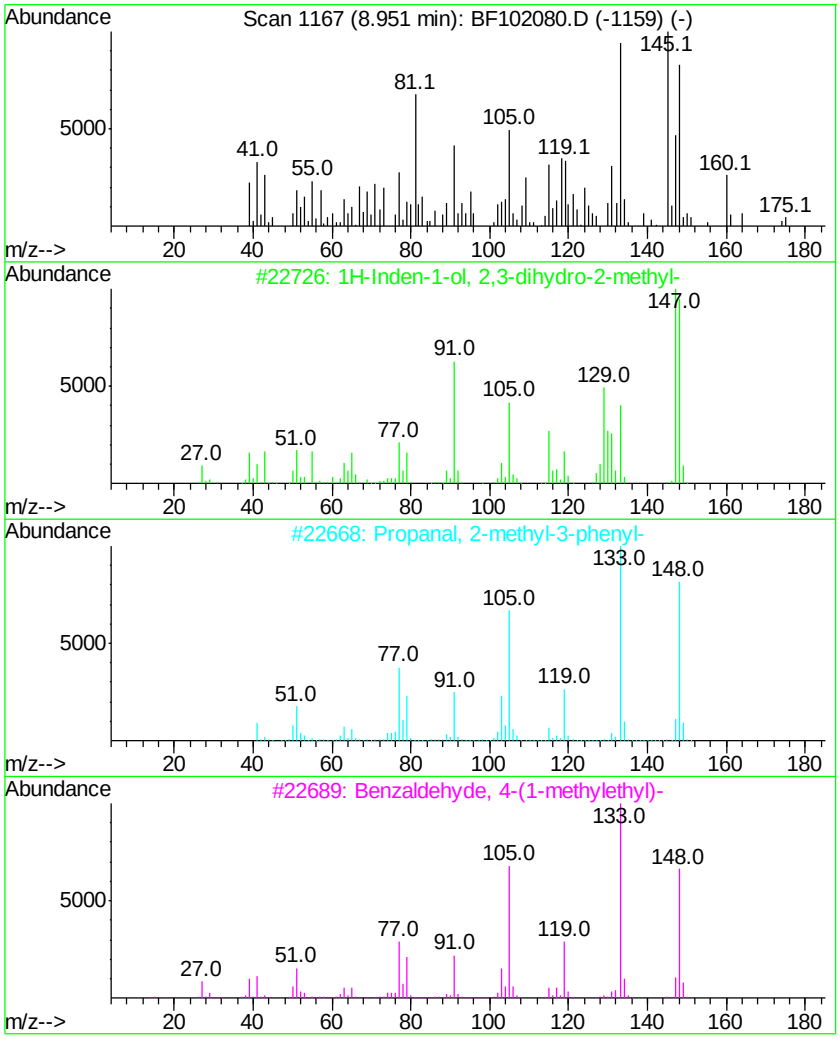
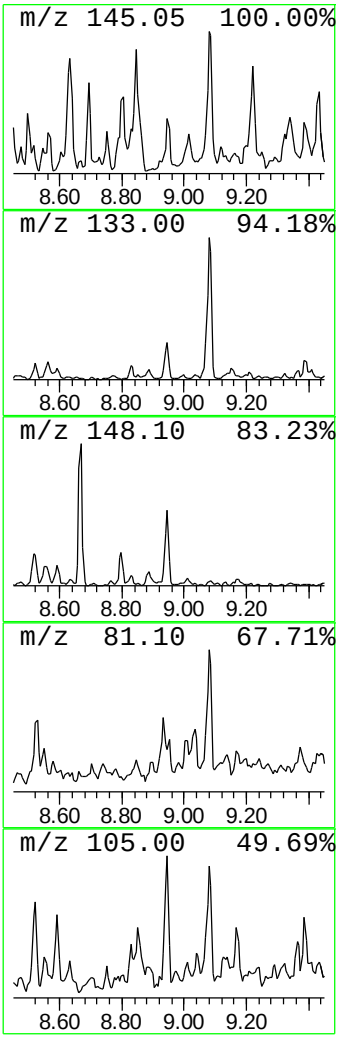
Peak Number 13 1H-Inden-1-ol, 2,3-dihydro-... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.95	4.44 ng	280715	Acenaphthene-d10	9.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Inden-1-ol, 2,3-dihydro-2-met...	148	C10H12O	017496-18-3	60
2	Propanal, 2-methyl-3-phenyl-	148	C10H12O	1000131-87-6	50
3	Benzaldehyde, 4-(1-methylethyl)-	148	C10H12O	000122-03-2	50
4	2-Allyl-4-methylphenol	148	C10H12O	006628-06-4	49
5	Pyrazine, 3,5-dimethyl-2-(1-prop...	148	C9H12N2	055138-74-4	46





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Sample : J1112-04
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : ENV-116-6(MW)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010918.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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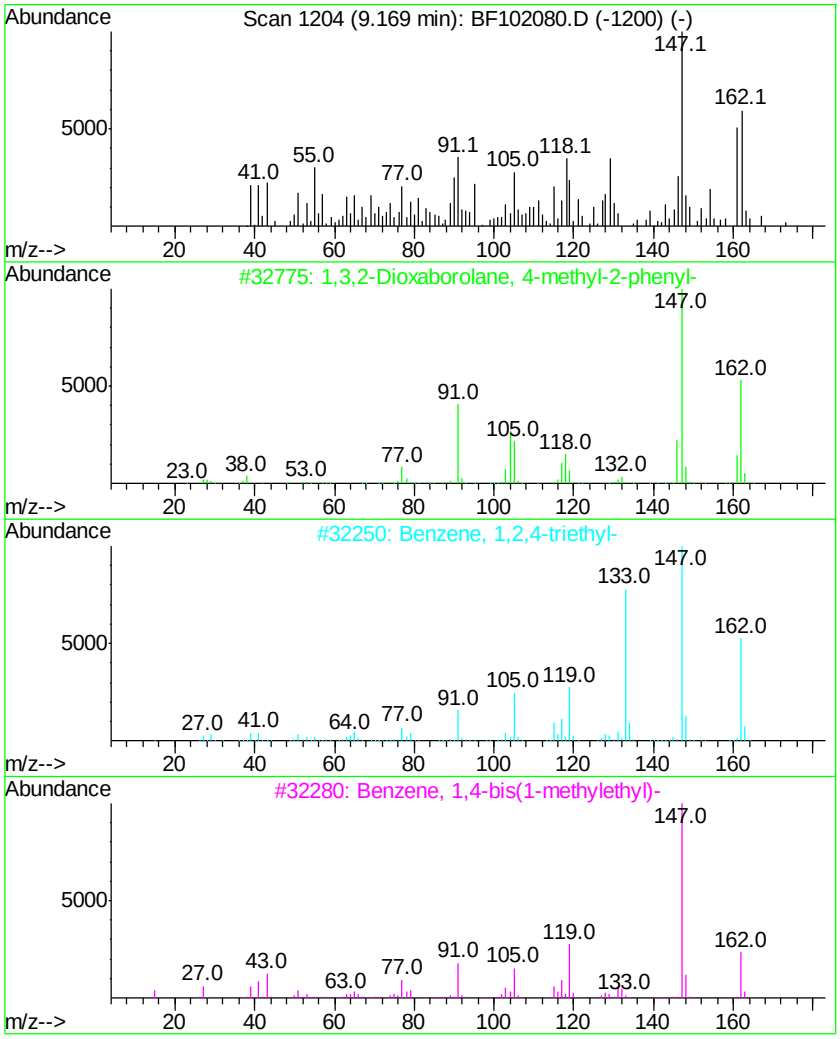
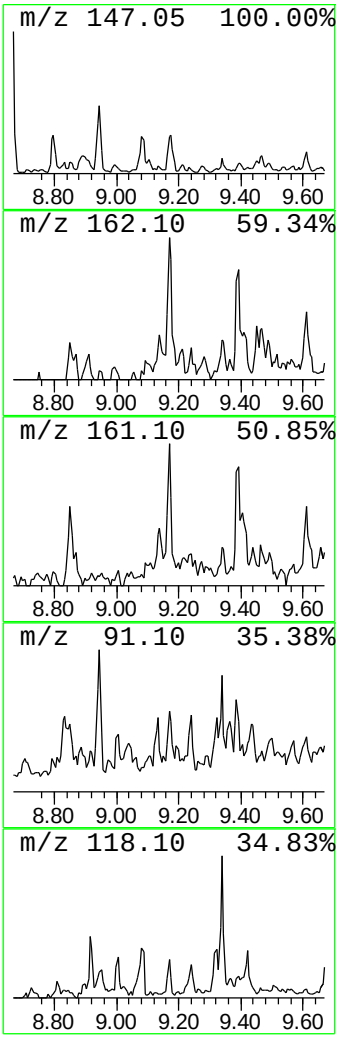
Peak Number 14 1,3,2-Dioxaborolane, 4-meth... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.17	2.48 ng	156917	Acenaphthene-d10	9.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3,2-Dioxaborolane, 4-methyl-2-...	162	C9H11BO2	004406-75-1	55
2	Benzene, 1,2,4-triethyl-	162	C12H18	000877-44-1	46
3	Benzene, 1,4-bis(1-methylethyl)-	162	C12H18	000100-18-5	46
4	2,5-Dimethylthiophene-3,4-dicarb...	162	C8H6N2S	1000305-40-9	46
5	Dewar benzene, hexamethyl-	162	C12H18	007641-77-2	45





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ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : ENV-116-6(MW)

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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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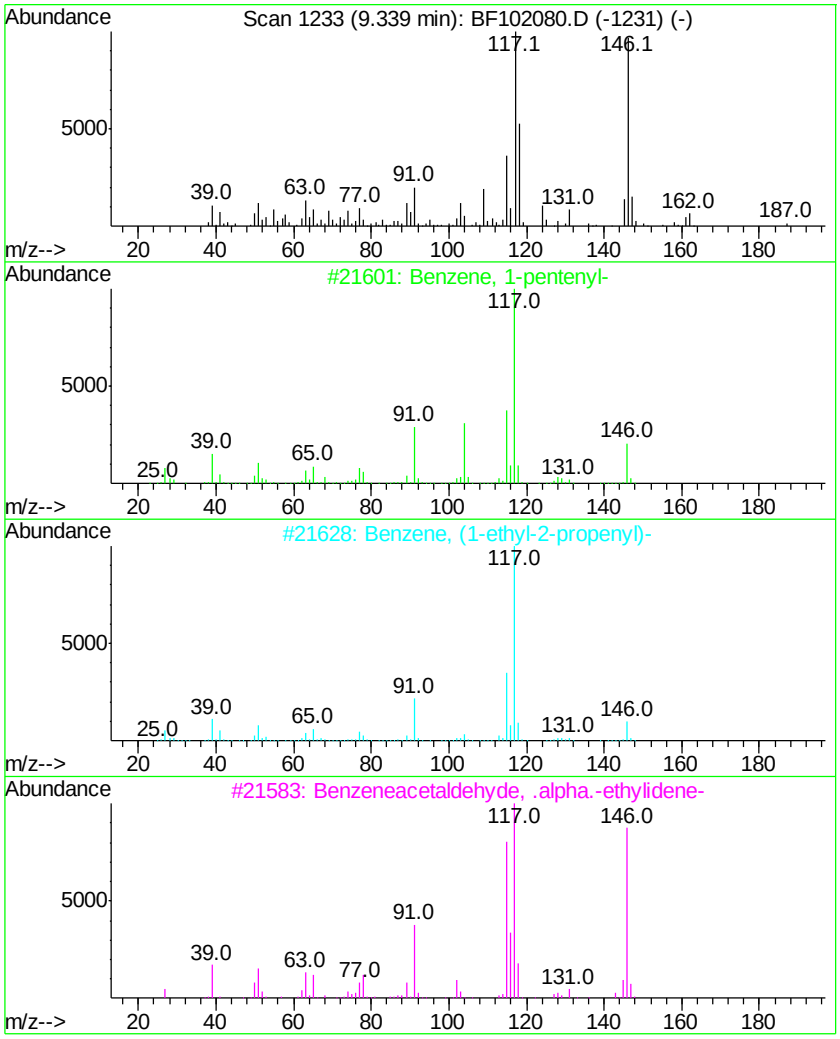
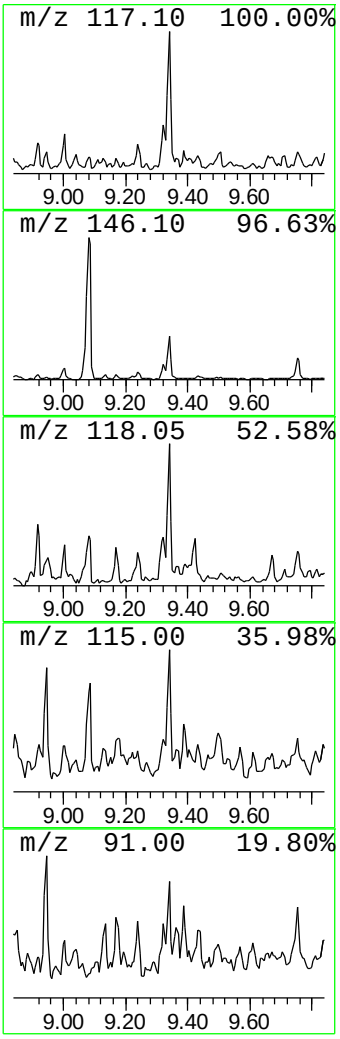
Peak Number 15 Benzene, 1-pentenyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.34	2.37 ng	149754	Acenaphthene-d10	9.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-pentenyl-	146	C11H14	000826-18-6	68
2	Benzene, (1-ethyl-2-propenyl)-	146	C11H14	019947-22-9	64
3	Benzeneacetaldehyde, .alpha.-eth...	146	C10H10O	004411-89-6	62
4	Benzene, 2-propenyl-	118	C9H10	000300-57-2	60
5	1H-Imidazole, 4,5-dihydro-2-phenyl-	146	C9H10N2	000936-49-2	58





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Misc :
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Instrument : BNA_F
ClientSampleId : ENV-116-6(MW)

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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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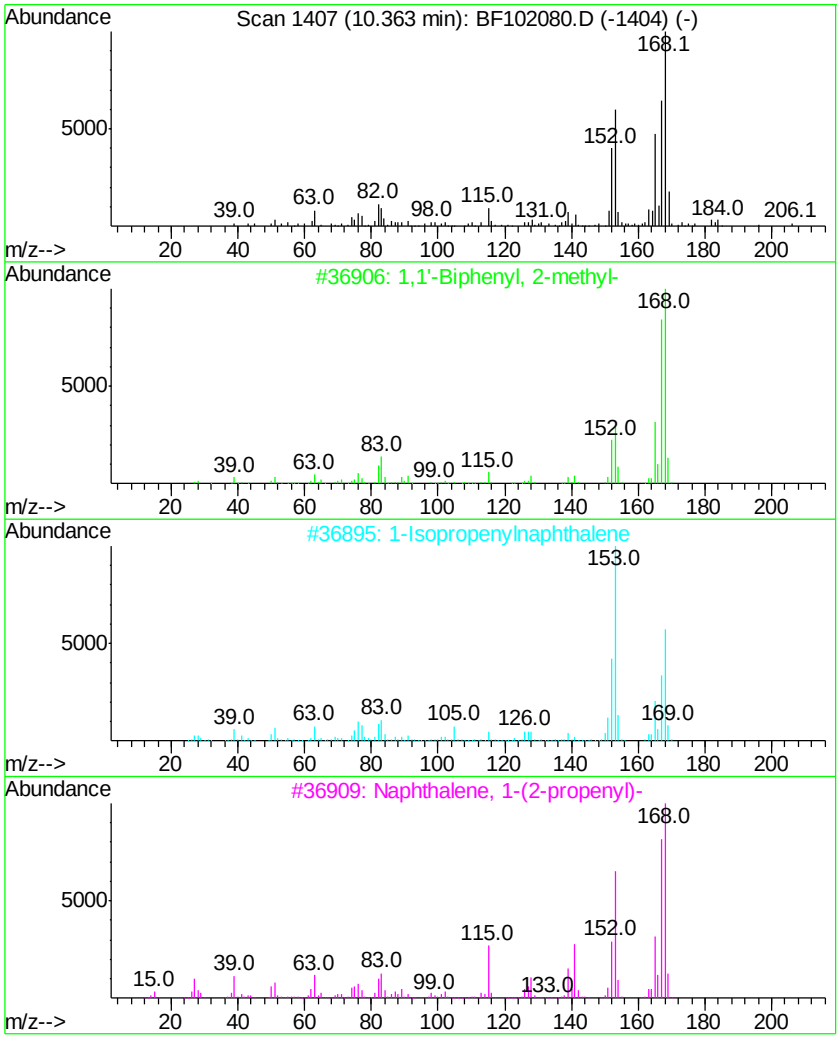
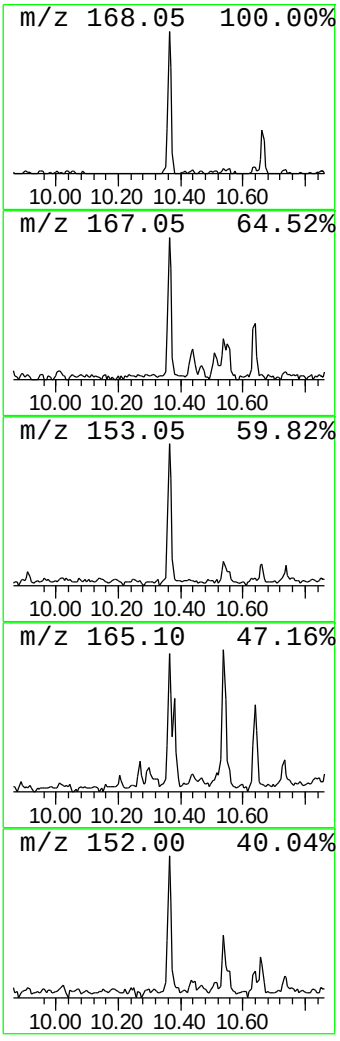
Peak Number 16 1,1'-Biphenyl, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.36	2.43 ng	153800	Acenaphthene-d10	9.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	72
2	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	68
3	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	64
4	Naphthalene, 2-(1-methylethenyl)-	168	C13H12	003710-23-4	64
5	1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	62





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Instrument : BNA_F
ClientSampleId : ENV-116-6(MW)

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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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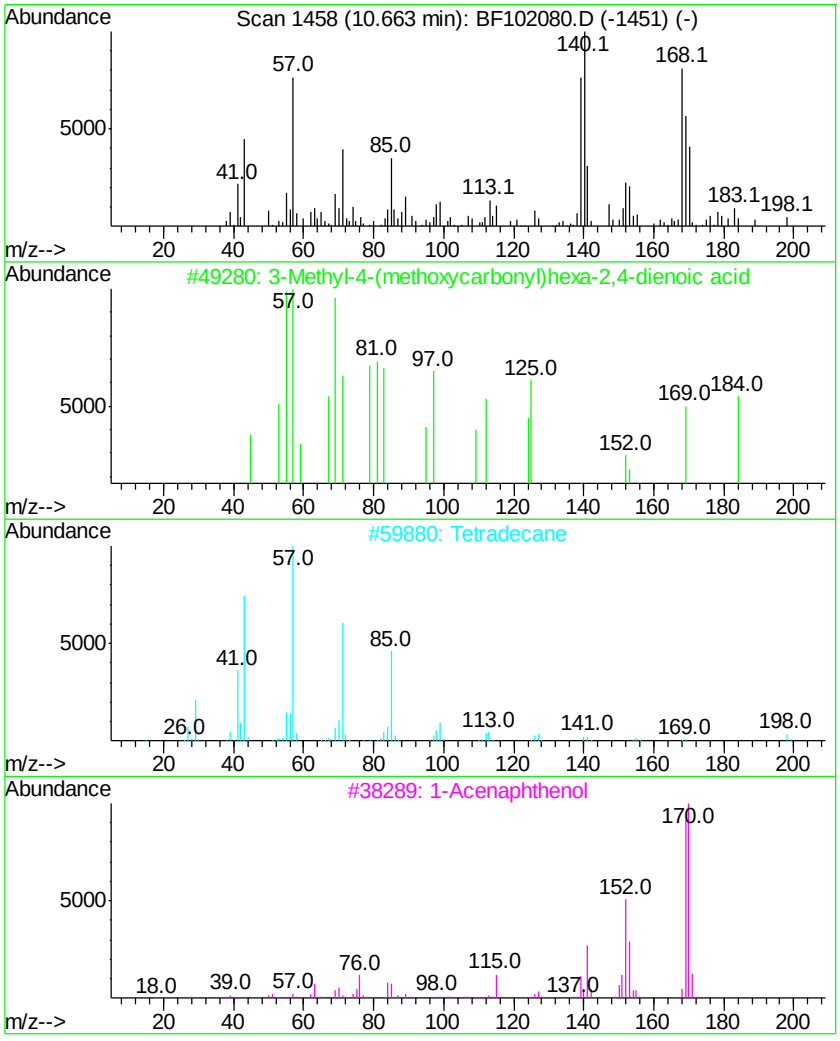
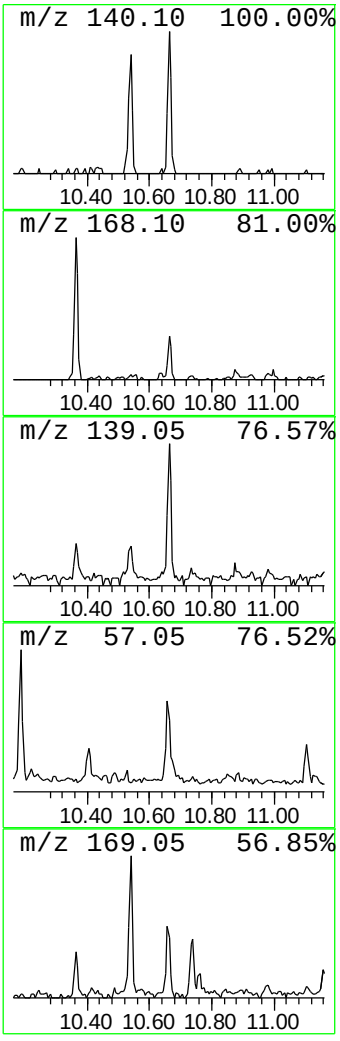
Peak Number 17 3-Methyl-4-(methoxycarbonyl... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.66	4.67 ng	208813	Phenanthrene-d10	11.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Methyl-4-(methoxycarbonyl)hexa...	184	C9H12O4	1000104-10-8	59
2	Tetradecane	198	C14H30	000629-59-4	56
3	1-Acenaphthenol	170	C12H10O	006306-07-6	46
4	2-Hydroxy-5,6-dihydro-4H-benzoth...	169	C7H7NO2S	1000317-65-8	25
5	Tridecane	184	C13H28	000629-50-5	25





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Sample : J1112-04
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ALS Vial : 19 Sample Multiplier: 1

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ClientSampleId : ENV-116-6(MW)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010918.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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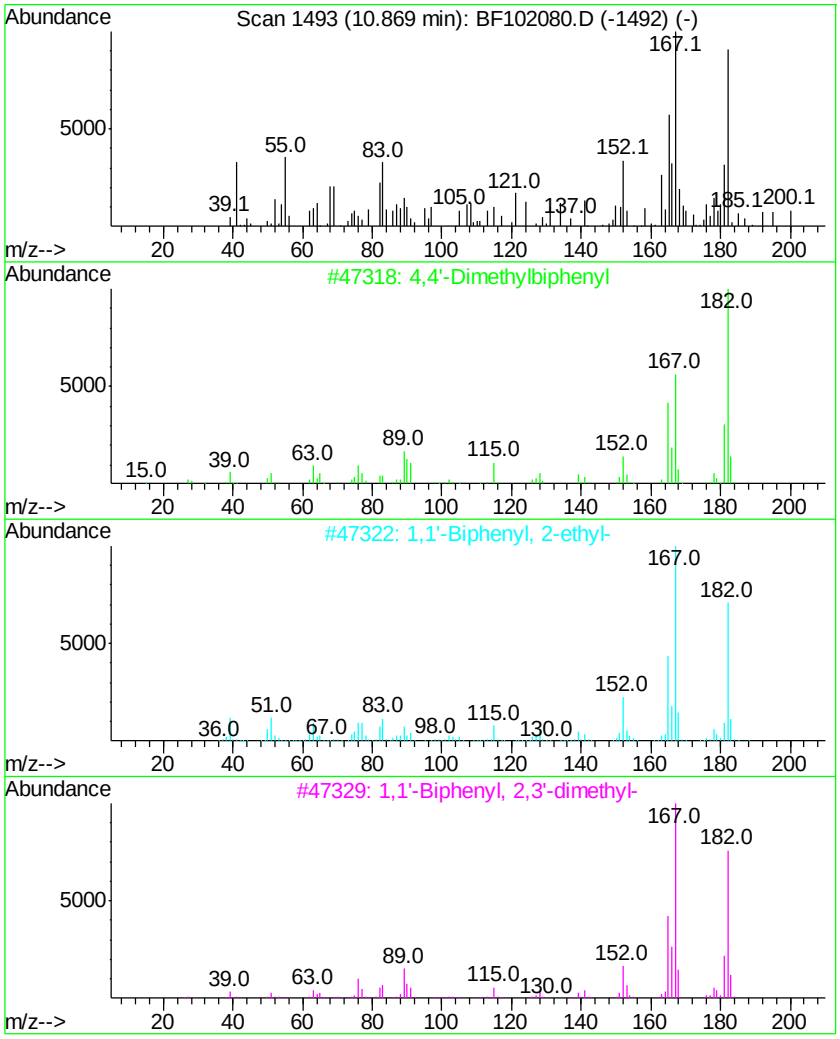
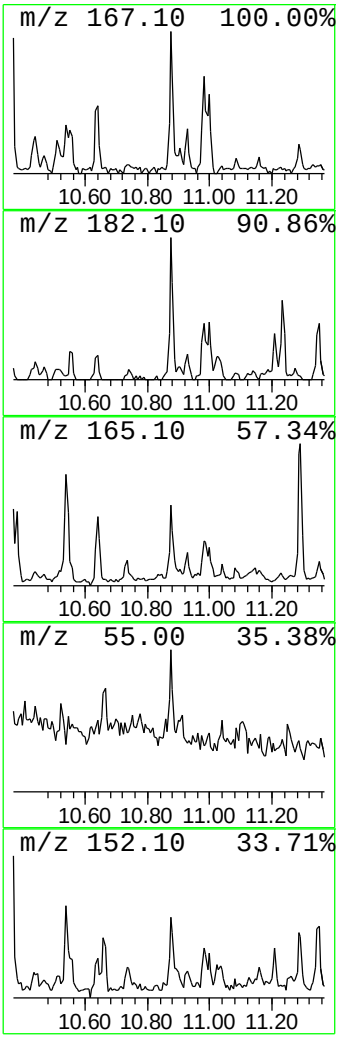
Peak Number 18 4,4'-Dimethylbiphenyl Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.87	2.38 ng	106332	Phenanthrene-d10	11.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4,4'-Dimethylbiphenyl	182	C14H14	000613-33-2	93
2	1,1'-Biphenyl, 2-ethyl-	182	C14H14	001812-51-7	91
3	1,1'-Biphenyl, 2,3'-dimethyl-	182	C14H14	000611-43-8	90
4	1,1'-Biphenyl, 2,4'-dimethyl-	182	C14H14	000611-61-0	81
5	2,2'-Dimethylbiphenyl	182	C14H14	000605-39-0	81





Data Path : U:\HPCHEM1\BNA F\DATA\BF011518\
Data File : BF102080.D
Acq On : 15 Jan 2018 23:07
Operator : SJ/JU
Sample : J1112-04
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : ENV-116-6(MW)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

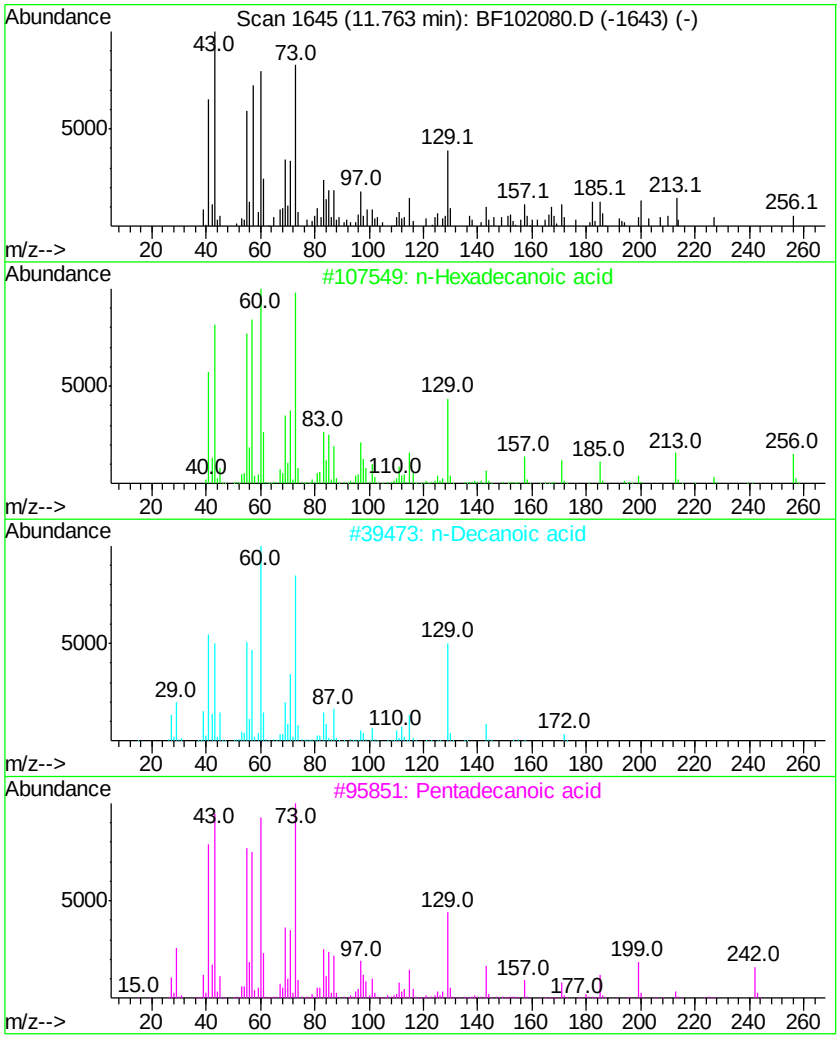
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

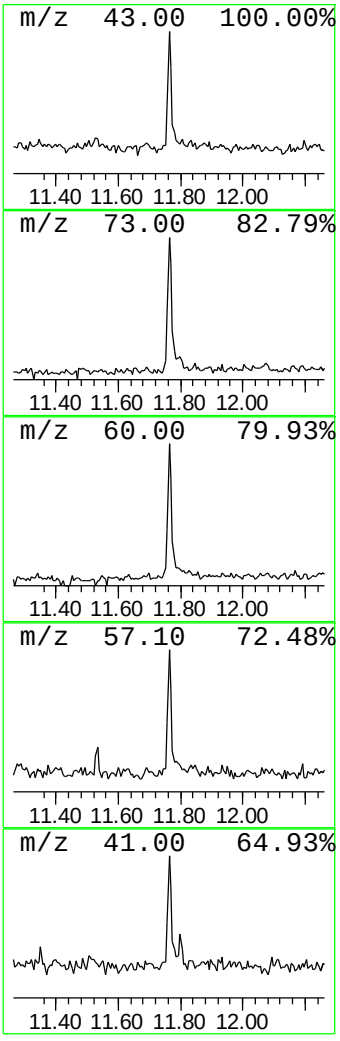
****

Peak Number 19 n-Hexadecanoic acid Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.76	2.41 ng	107949	Phenanthrene-d10	11.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	91
2	n-Decanoic acid	172	C10H20O2	000334-48-5	89
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	81
4	Dodecanoic acid	200	C12H24O2	000143-07-7	72
5	Tetradecanoic acid	228	C14H28O2	000544-63-8	59





Data Path : U:\HPCHEM1\BNA F\DATA\BF011518\
Data File : BF102080.D
Acq On : 15 Jan 2018 23:07
Operator : SJ/JU
Sample : J1112-04
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : ENV-116-6(MW)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

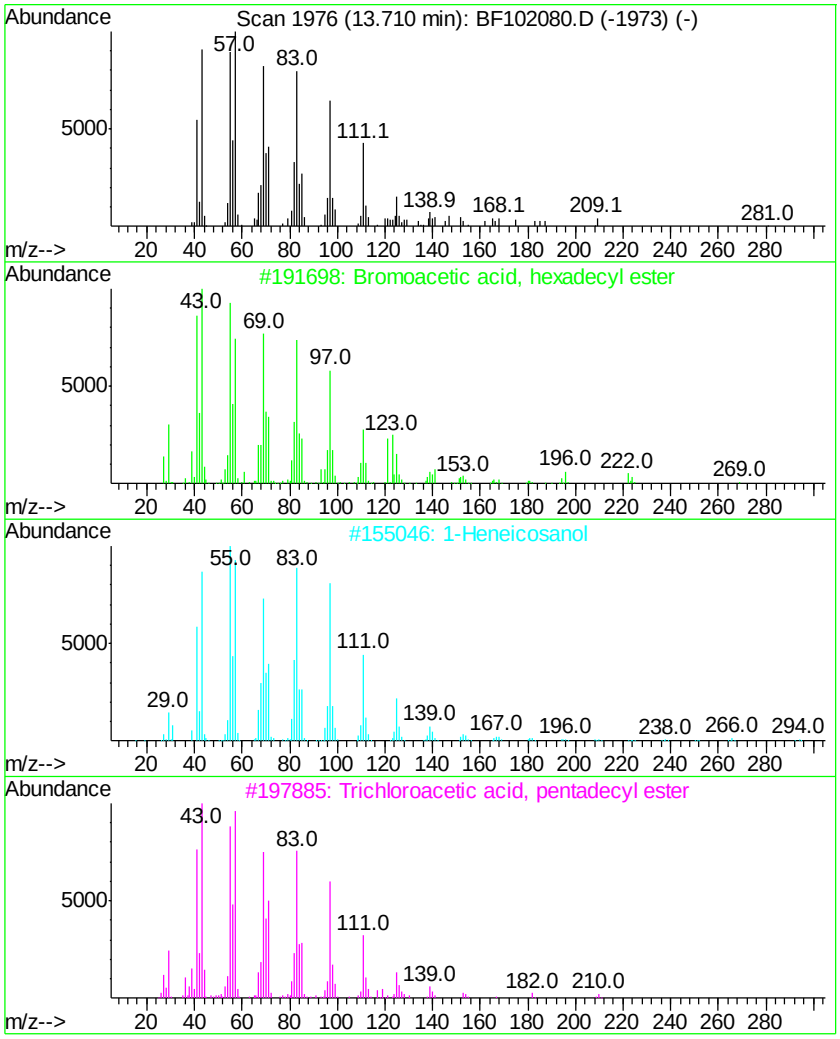
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

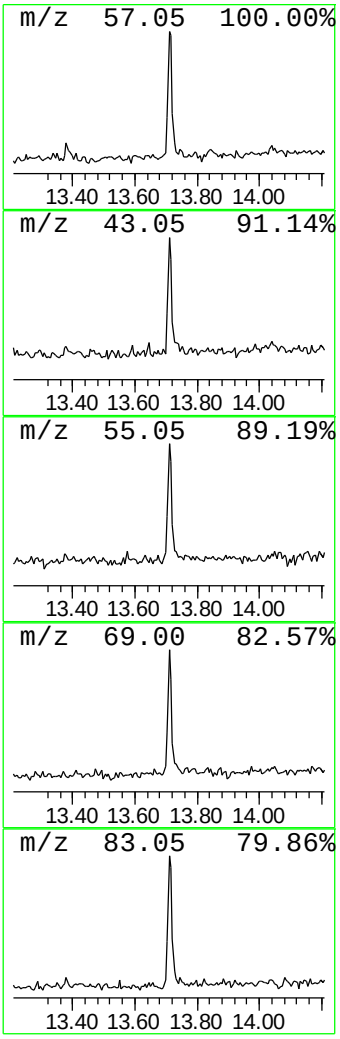
****

Peak Number 20 Bromoacetic acid, hexadecyl... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.71	3.09 ng	128585	Chrysene-d12	13.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bromoacetic acid, hexadecyl ester	362	C18H35BrO2	005454-48-8	94
2	1-Heneicosanol	312	C21H44O	015594-90-8	93
3	Trichloroacetic acid, pentadecyl...	372	C17H31Cl3O2	074339-53-0	91
4	Trifluoroacetoxy hexadecane	338	C18H33F3O2	006222-03-3	91
5	Heptafluorobutyric acid, pentade...	424	C19H31F7O2	959261-23-5	91





Tentatively Identified Compound (LSC) summary

Data Path : U:\HPCHEM1\BNA_F\DATA\BF011518\
Data File : BF102080.D
Acq On : 15 Jan 2018 23:07
Operator : SJ/JU
Sample : J1112-04
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : ENV-116-6(MW)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010918.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-Pentene, 2,3-di...	2.50	3.3	ng	175091	1	6.72	1053450	20.0
2-Pentene, 3,4-di...	2.76	2.0	ng	107154	1	6.72	1053450	20.0
1,4-Hexadiene, 2,...	4.44	4.6	ng	243742	1	6.72	1053450	20.0
unknown4.91	4.91	3.4	ng	181306	1	6.72	1053450	20.0
unknown6.49	6.49	58.0	ng	3054020	1	6.72	1053450	20.0
1H-Inden-5-ol, 2,...	8.26	2.3	ng	153081	2	8.00	1353050	20.0
unknown8.52	8.52	3.0	ng	202961	2	8.00	1353050	20.0
1H-Inden-1-one, 2...	8.59	2.1	ng	139671	2	8.00	1353050	20.0
3-Methylbenzothio...	8.67	2.5	ng	167964	2	8.00	1353050	20.0
unknown8.80	8.80	2.3	ng	152377	2	8.00	1353050	20.0
unknown8.85	8.85	3.6	ng	241201	2	8.00	1353050	20.0
1H-Inden-1-ol, 2,...	8.95	4.4	ng	280715	3	9.75	1264660	20.0
1,3,2-Dioxaborola...	9.17	2.5	ng	156917	3	9.75	1264660	20.0
Benzene, 1-pentenyl-	9.34	2.4	ng	149754	3	9.75	1264660	20.0
1,1'-Biphenyl, 2-...	10.36	2.4	ng	153800	3	9.75	1264660	20.0
3-Methyl-4-(metho...	10.66	4.7	ng	208813	4	11.23	894458	20.0
4,4'-Dimethylbiph...	10.87	2.4	ng	106332	4	11.23	894458	20.0
n-Hexadecanoic acid	11.76	2.4	ng	107949	4	11.23	894458	20.0
Bromoacetic acid,...	13.71	3.1	ng	128585	5	13.86	831125	20.0