LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070116\
Data File : BF088576.D
Acq On : 1 Jul 2016 15:49
Operator : UM/SJ
Sample : H3808-13 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-07-COMP

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-BF063016.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	1.735	12	13	23	rVB	155941	351764	4.34%	1.332%
2	1.872	23	25	75	rVB	3006039	8110303	100.00%	30.706%
3	5.393	330	333	335	rBV	658605	679849	8.38%	2.574%
4	6.079	391	393	396	rVB	893468	792312	9.77%	3.000%
5	6.250	404	408	410	rVB	152333	156334	1.93%	0.592%
6	6.433	421	424	426	rBV	573937	711195	8.77%	2.693%
7	6.513	428	431	434	rBV2	85851	137449	1.69%	0.520%
8	6.570	434	436	438	rVB	831669	760168	9.37%	2.878%
9	6.810	454	457	459	rBV	920308	901315	11.11%	3.412%
10	6.890	461	464	466	rVV	723425	588762	7.26%	2.229%
11	6.924	466	467	469	rVV	154815	213657	2.63%	0.809%
12	6.959	469	470	472	rVB	556785	512074	6.31%	1.939%
13	7.359	503	505	507	rBV	384828	468915	5.78%	1.775%
14	7.404	507	509	512	rVB	130834	112887	1.39%	0.427%
15	8.090	567	569	571	rBV	1310983	1199945	14.80%	4.543%
16	8.124	571	572	574	rVB	117162	82863	1.02%	0.314%
17	9.165	661	663	665	rBV	886910	749095	9.24%	2.836%
18	9.839	720	722	724	rBV2	1128343	1124291	13.86%	4.257%
19	10.616	788	790	793	rVB2	267672	345925	4.27%	1.310%
20	11.325	849	852	855	rVB	710175	1262406	15.57%	4.780%
21	11.428	859	861	863	rBV	250718	204516	2.52%	0.774%
22	11.931	903	905	909	rBV2	77487	111399	1.37%	0.422%
23	12.308	936	938	940	rBV3	94772	103919	1.28%	0.393%
24	12.525	955	957	959	rBV	699604	594853	7.33%	2.252%
25	12.754	974	977	979	rVV	510680	579617	7.15%	2.194%
26	12.902	988	990	992	rVV	585448	557290	6.87%	2.110%
27	13.016	997	1000	1001	rBV2	90799	101915	1.26%	0.386%
28	13.085	1001	1006	1010	rBV2	43298	122774	1.51%	0.465%
29	13.176	1013	1014	1016	rBV	53833	85620	1.06%	0.324%
30	13.268	1020	1022	1024	rBV2	141114	146539	1.81%	0.555%
31	13.382	1030	1032	1033	rBV	292505	263448	3.25%	0.997%
32	13.416	1033	1035	1038	rVB2	37911	86469	1.07%	0.327%
33	13.576	1047	1049	1053	rBV2	49562	130966	1.61%	0.496%
34	13.645	1053	1055	1057	rBV	261358	286016	3.53%	1.083%

LSC Area Percent Report

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Operator : UM/SJ
Sample : H3808-13 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-07-COMP

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-BF063016.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	13.828	1069	1071	1073	rVB2	125737	159996	1.97%	0.606%
36	13.942	1078	1081	1086	rBV3	922414	1557444	19.20%	5.897%
37	14.948	1167	1169	1174	rVV	238705	512534	6.32%	1.940%
38	15.051	1176	1178	1181	rVB	92893	101332	1.25%	0.384%
39	15.234	1192	1194	1196	rVB	157522	173300	2.14%	0.656%
40	15.291	1196	1199	1201	rBV	175880	208038	2.57%	0.788%
41	15.348	1201	1204	1206	rBV	546532	645727	7.96%	2.445%
42	16.422	1296	1298	1303	rVB2	55331	112548	1.39%	0.426%
43	16.697	1319	1322	1325	rVB2	91726	181498	2.24%	0.687%
44	17.097	1354	1357	1360	rBV	72208	123477	1.52%	0.467%

Sum of corrected areas: 26412744

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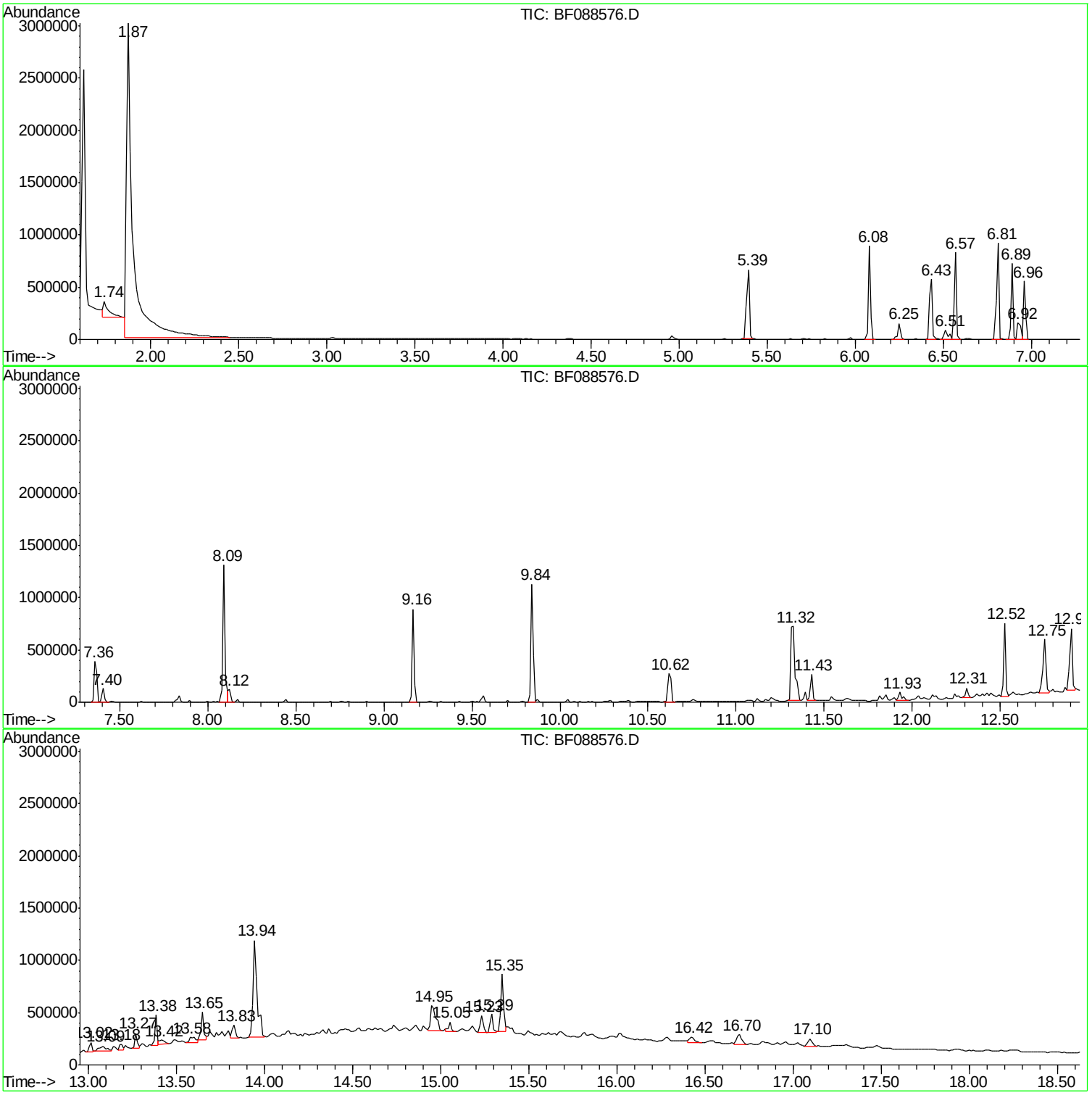
Instrument :
BNA_F
ClientSampleId :
SB-07-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.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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Instrument : BNA_F
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.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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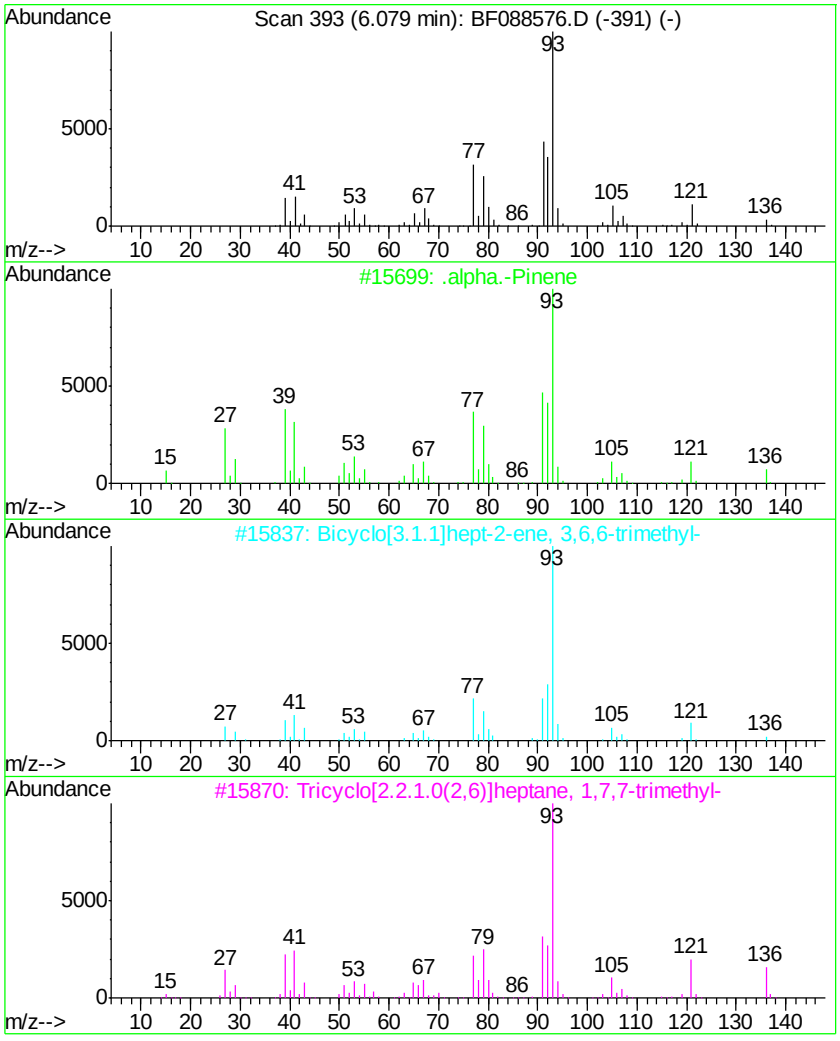
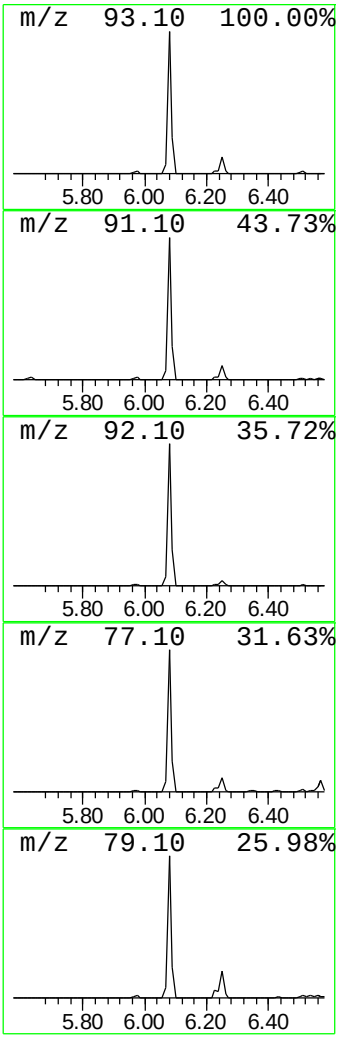
Peak Number 3 .alpha.-Pinene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.08	17.58 ng	792312	1,4-Dichlorobenzene-d4	6.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.alpha.-Pinene	136	C10H16	000080-56-8	95
2	Bicyclo[3.1.1]hept-2-ene, 3,6,6-...	136	C10H16	004889-83-2	91
3	Tricyclo[2.2.1.0(2,6)]heptane, 1...	136	C10H16	000508-32-7	91
4	3-Carene	136	C10H16	013466-78-9	90
5	3,5-Methanocyclopentapyrazole, 3...	164	C10H16N2	087143-58-6	90





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Data File : BF088576.D
Acq On : 1 Jul 2016 15:49
Operator : UM/SJ
Sample : H3808-13 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-07-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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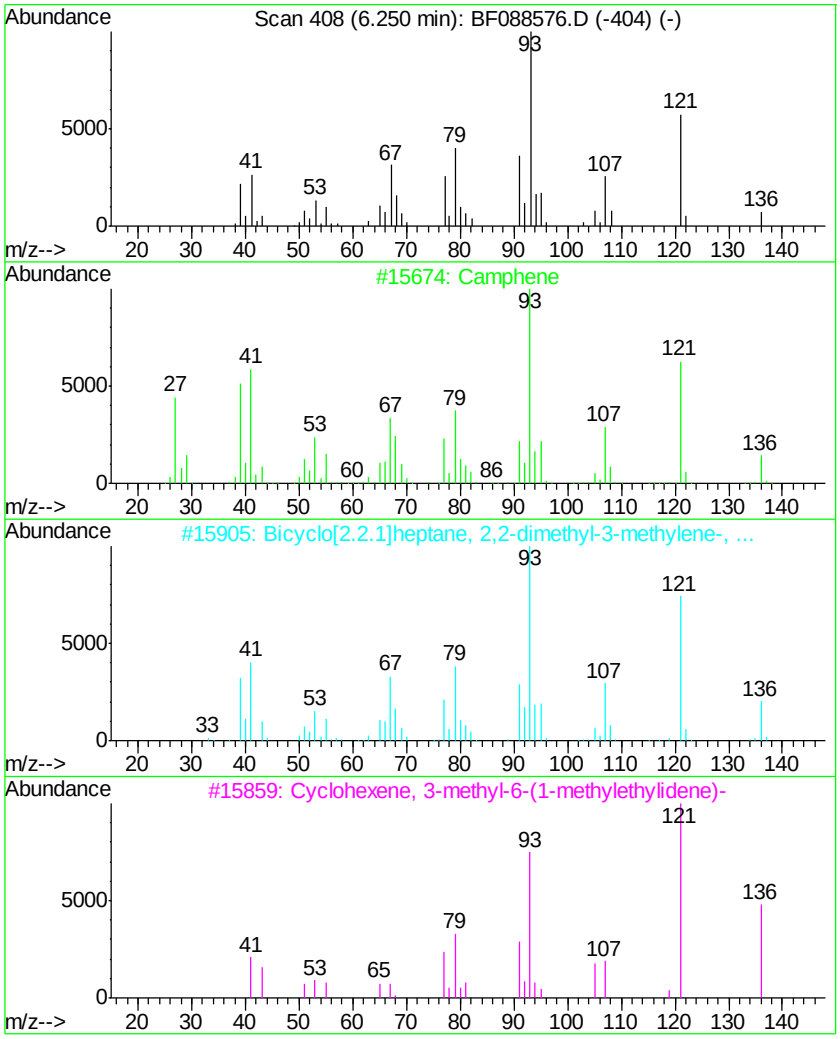
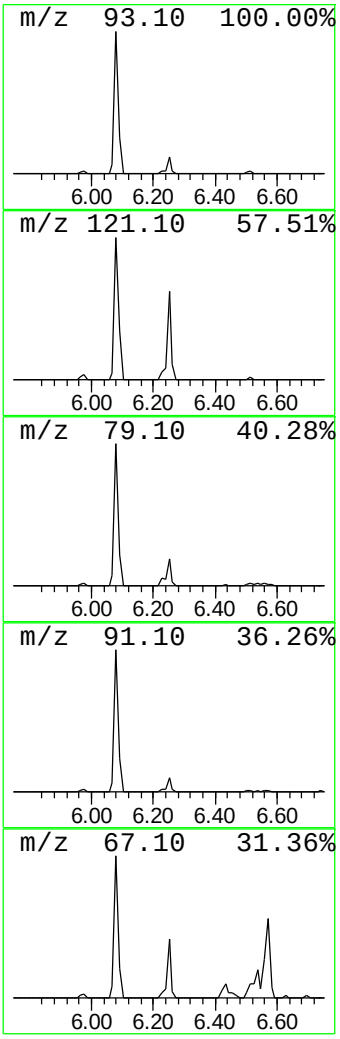
Peak Number 4 Camphene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.25	3.47 ng	156334	1,4-Dichlorobenzene-d4	6.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Camphene	136	C10H16	000079-92-5	95
2	Bicyclo[2.2.1]heptane, 2,2-dimet...	136	C10H16	005794-04-7	87
3	Cyclohexene, 3-methyl-6-(1-methy...	136	C10H16	000586-63-0	72
4	.beta.-Pinene	136	C10H16	000127-91-3	64
5	Bicyclo[3.1.1]heptane, 6,6-dimet...	136	C10H16	018172-67-3	64





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070116\
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Misc :
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Instrument : BNA_F
ClientSampleId : SB-07-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.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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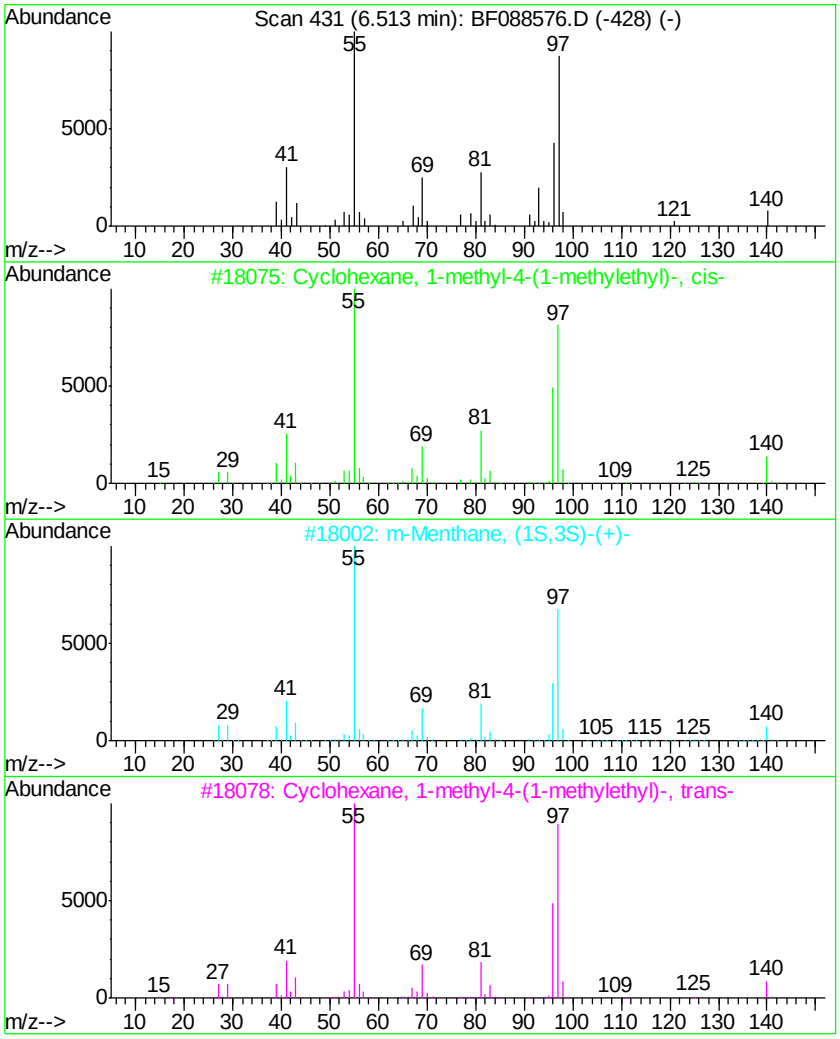
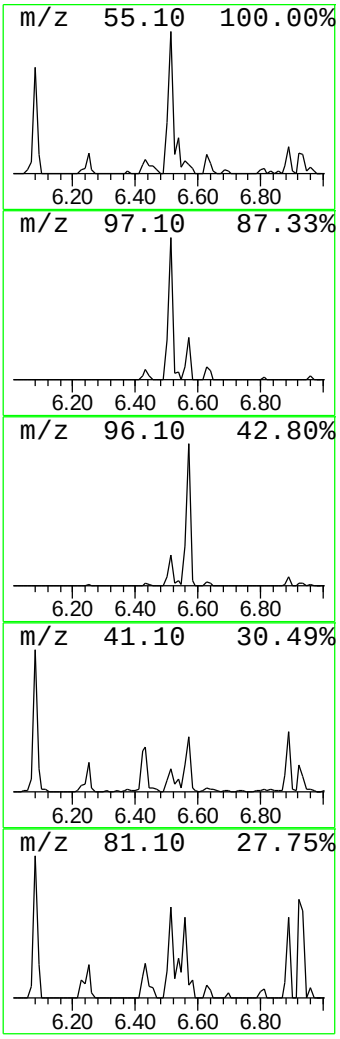
Peak Number 5 Cyclohexane, 1-methyl-4-(1-... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.51	3.05 ng	137449	1,4-Dichlorobenzene-d4	6.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	87
2	m-Menthane, (1S,3S)-(+)-	140	C10H20	013837-67-7	87
3	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	81
4	Cyclohexane, 1-methyl-3-(1-methy...	140	C10H20	016580-24-8	76
5	Cyclohexane, 1-isopropyl-1-methyl-	140	C10H20	016580-26-0	64





Library Search Compound Report

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Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-07-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
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TIC Library : C:\Database\NIST11.L
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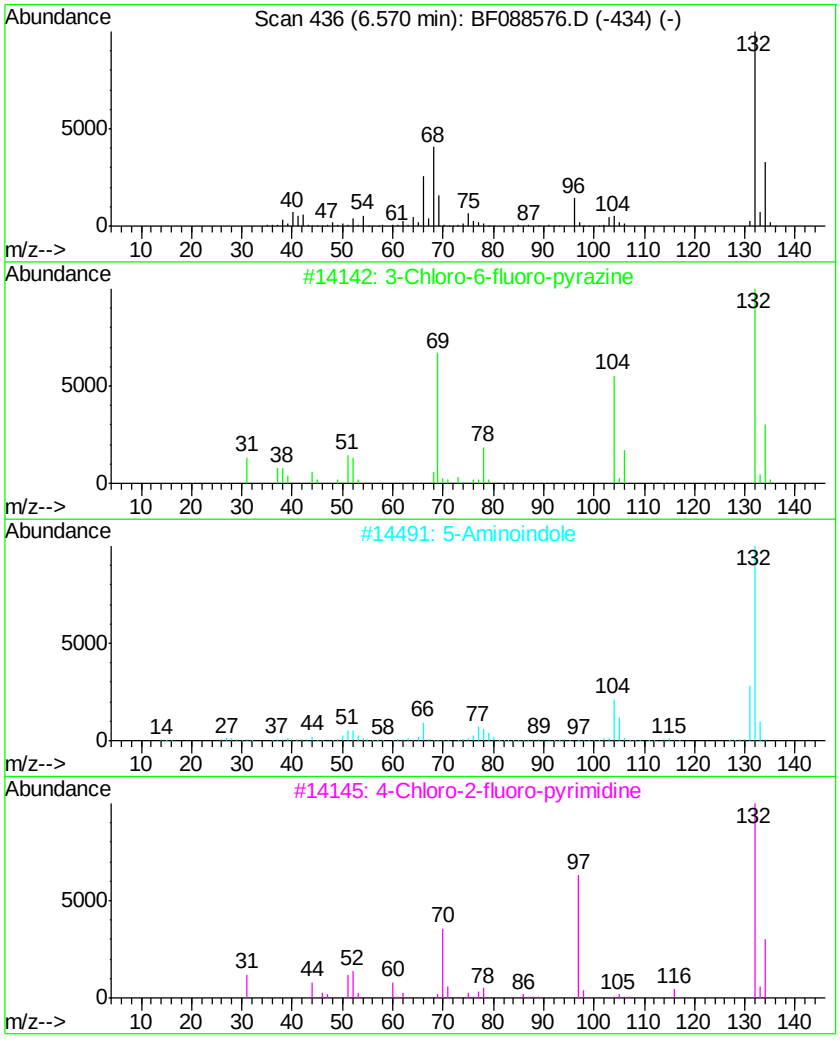
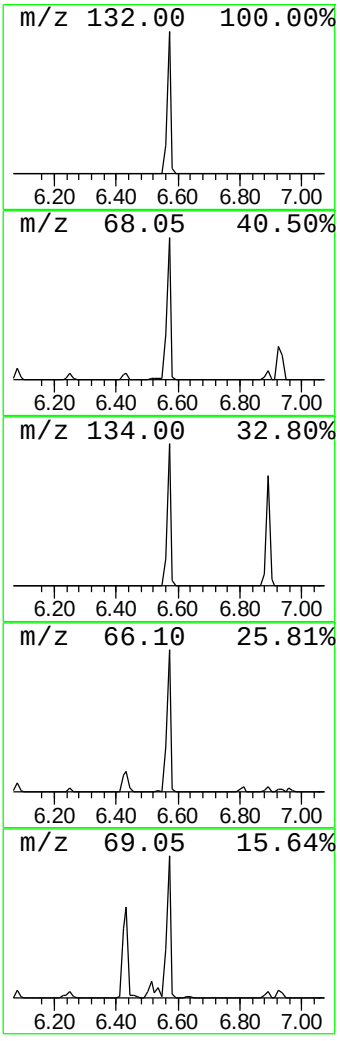
Peak Number 6 unknown6.57 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.57	16.87 ng	760168	1,4-Dichlorobenzene-d4	6.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	5-Aminoindole	132	C8H8N2	005192-03-0	12
3	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9
4	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	9
5	4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9





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Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-07-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.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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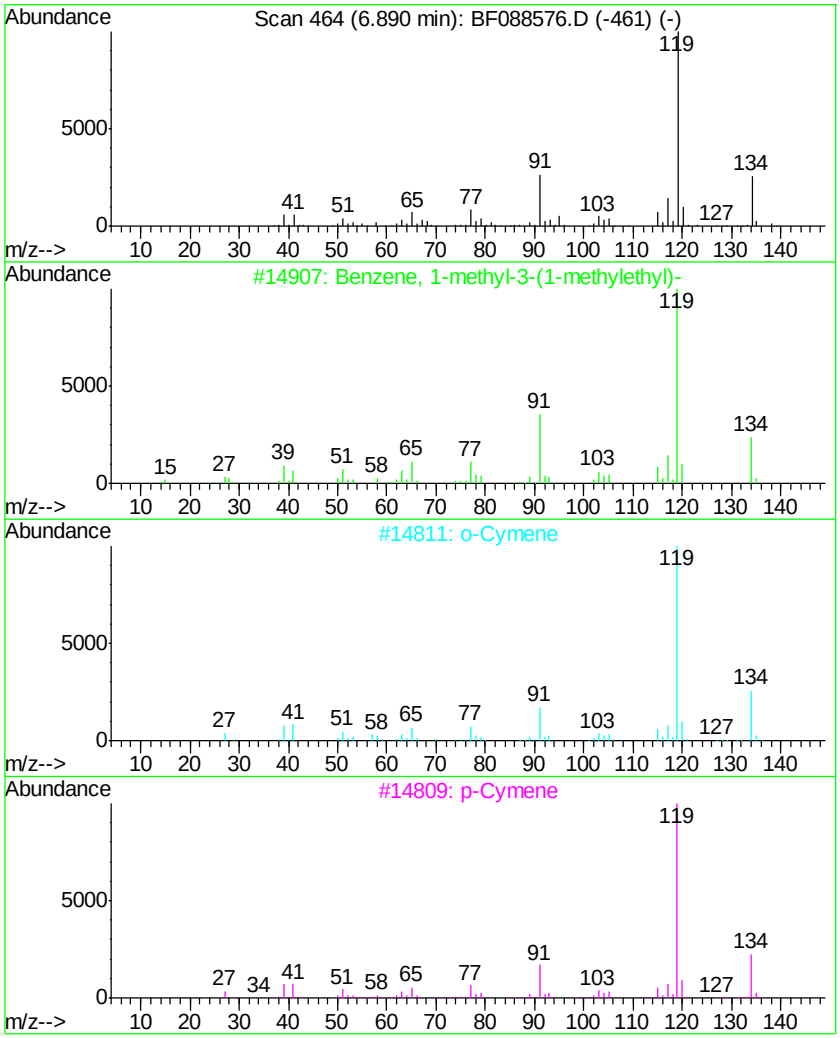
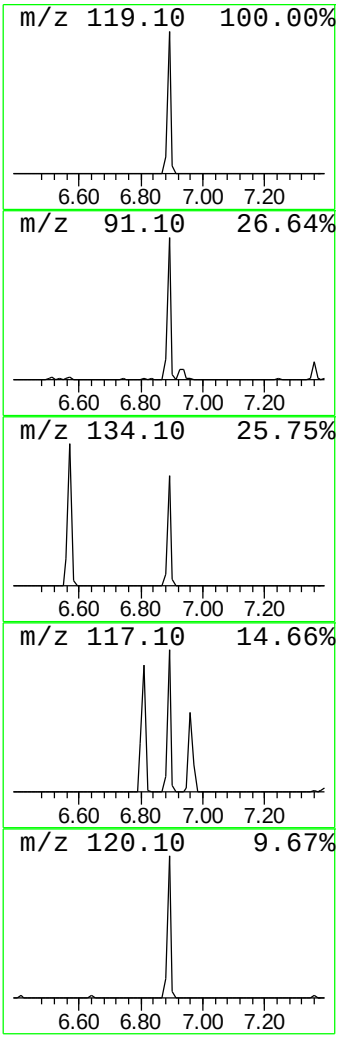
Peak Number 7 Benzene, 1-methyl-3-(1-meth... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.89	13.06 ng	588762	1,4-Dichlorobenzene-d4	6.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
2	o-Cymene	134	C10H14	000527-84-4	94
3	p-Cymene	134	C10H14	000099-87-6	94
4	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	90
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	90





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Misc :
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Instrument : BNA_F
ClientSampleId : SB-07-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.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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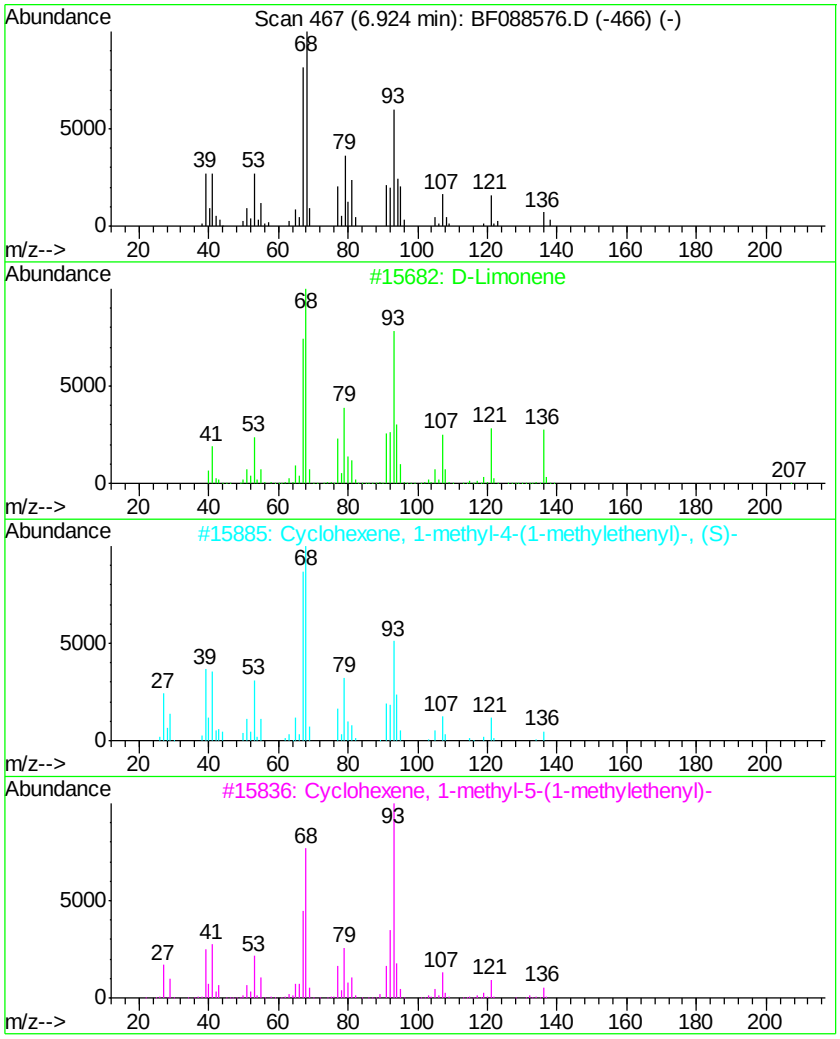
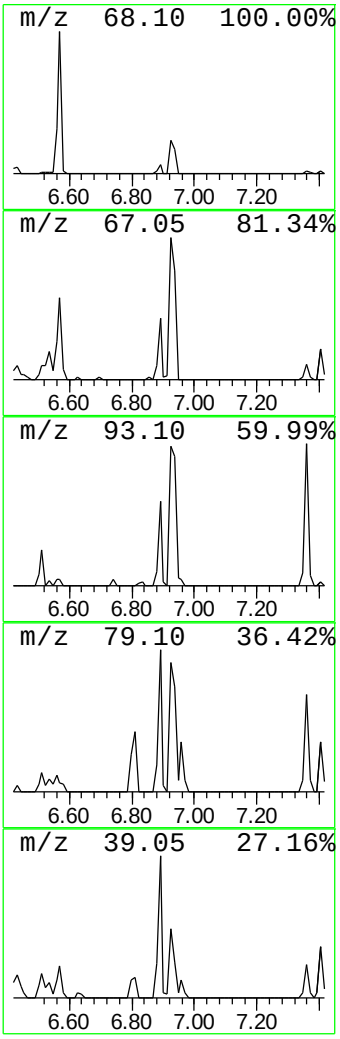
Peak Number 8 D-Limonene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.92	4.74 ng	213657	1,4-Dichlorobenzene-d4	6.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	D-Limonene	136	C10H16	005989-27-5	96
2	Cyclohexene, 1-methyl-4-(1-methy...	136	C10H16	005989-54-8	95
3	Cyclohexene, 1-methyl-5-(1-methy...	136	C10H16	013898-73-2	89
4	Limonene	136	C10H16	000138-86-3	81
5	Cyclohexanol, 1-methyl-4-(1-meth...	196	C12H20O2	010198-23-9	72





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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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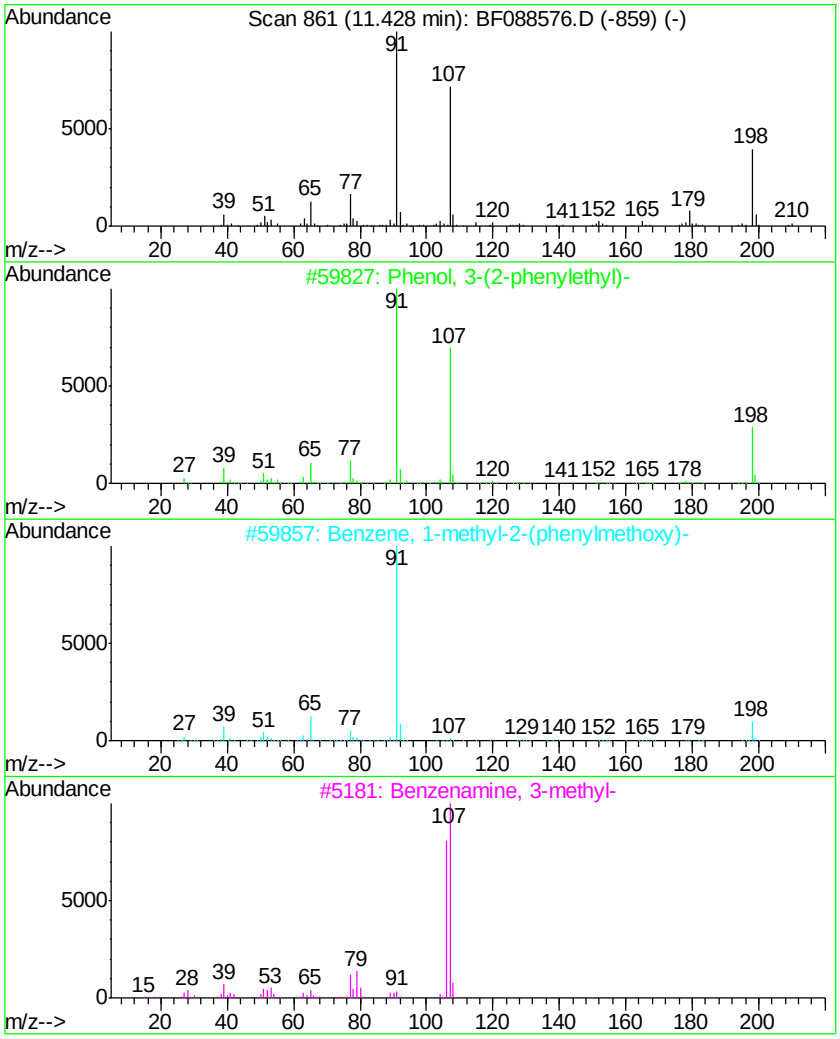
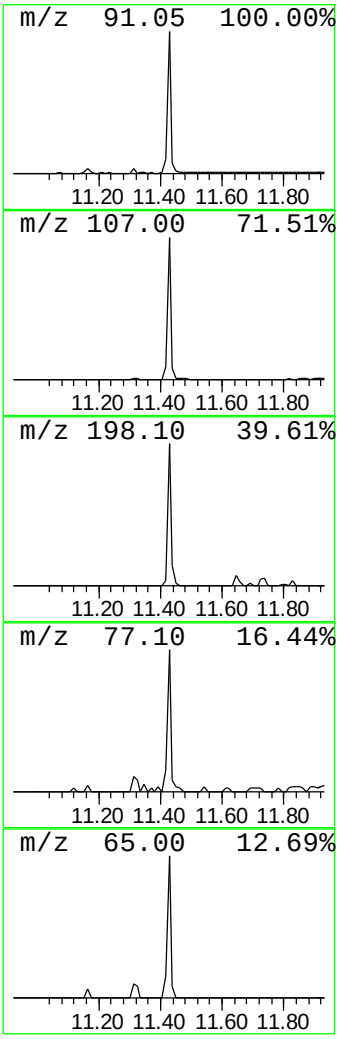
Peak Number 10 Phenol, 3-(2-phenylethyl)- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.43	3.24 ng	204516	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 3-(2-phenylethyl)-	198	C14H14O	033675-75-1	96
2	Benzene, 1-methyl-2-(phenylmetho...	198	C14H14O	019578-70-2	47
3	Benzenamine, 3-methyl-	107	C7H9N	000108-44-1	35
4	Phenol, 4-(2-phenylethyl)-	198	C14H14O	006335-83-7	35
5	Benzeneacetic acid, 4-hydroxy-	152	C8H8O3	000156-38-7	30





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Sample : H3808-13 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-07-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.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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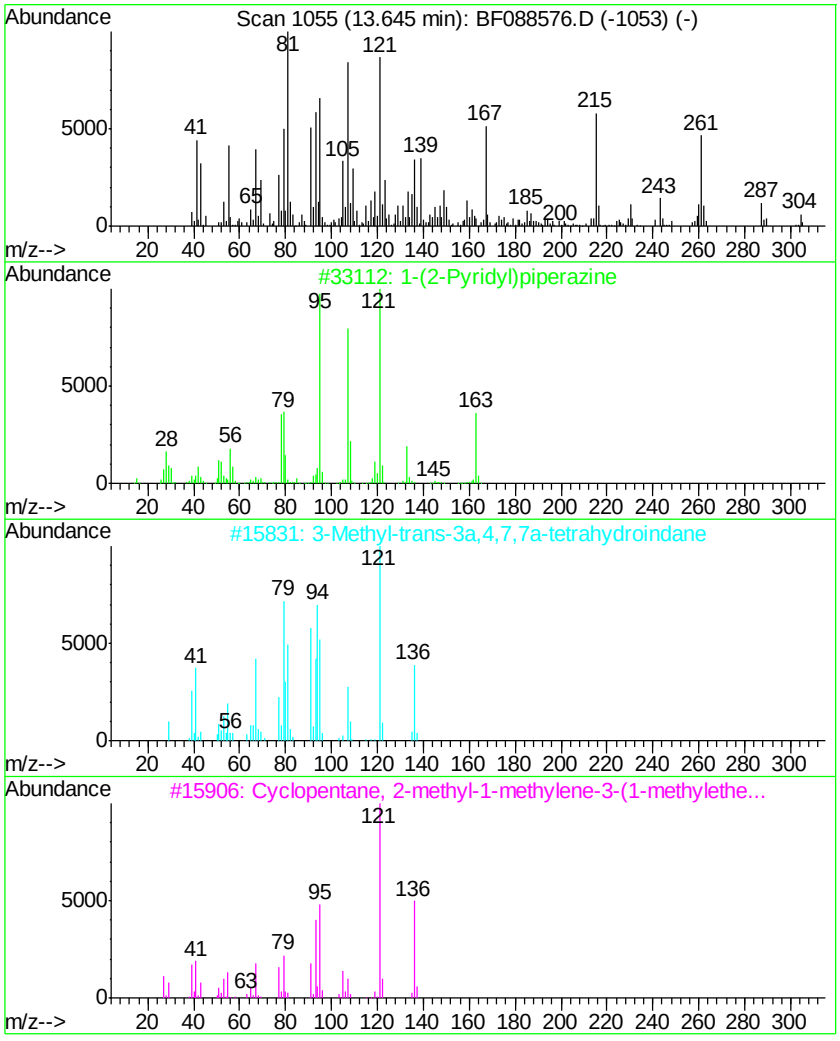
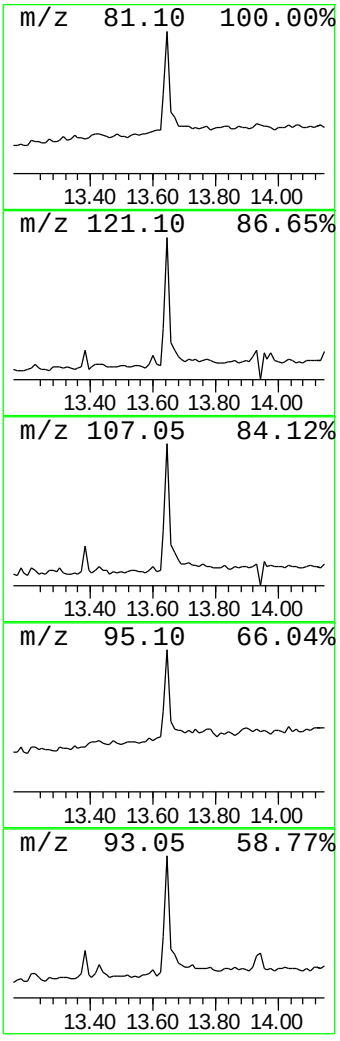
Peak Number 11 unknown13.65 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.65	3.67 ng	286016	Chrysene-d12	13.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-(2-Pyridyl)piperazine	163	C9H13N3	034803-66-2	41
2	3-Methyl-trans-3a,4,7,7a-tetrahy...	136	C10H16	1000145-84-3	35
3	Cyclopentane, 2-methyl-1-methyle...	136	C10H16	056710-83-9	35
4	1,3,6-Heptatriene, 2,5,6-trimethyl-	136	C10H16	042123-66-0	30
5	Cyclohexene, 1,5,5-trimethyl-3-m...	136	C10H16	016609-28-2	25





Library Search Compound Report

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ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-07-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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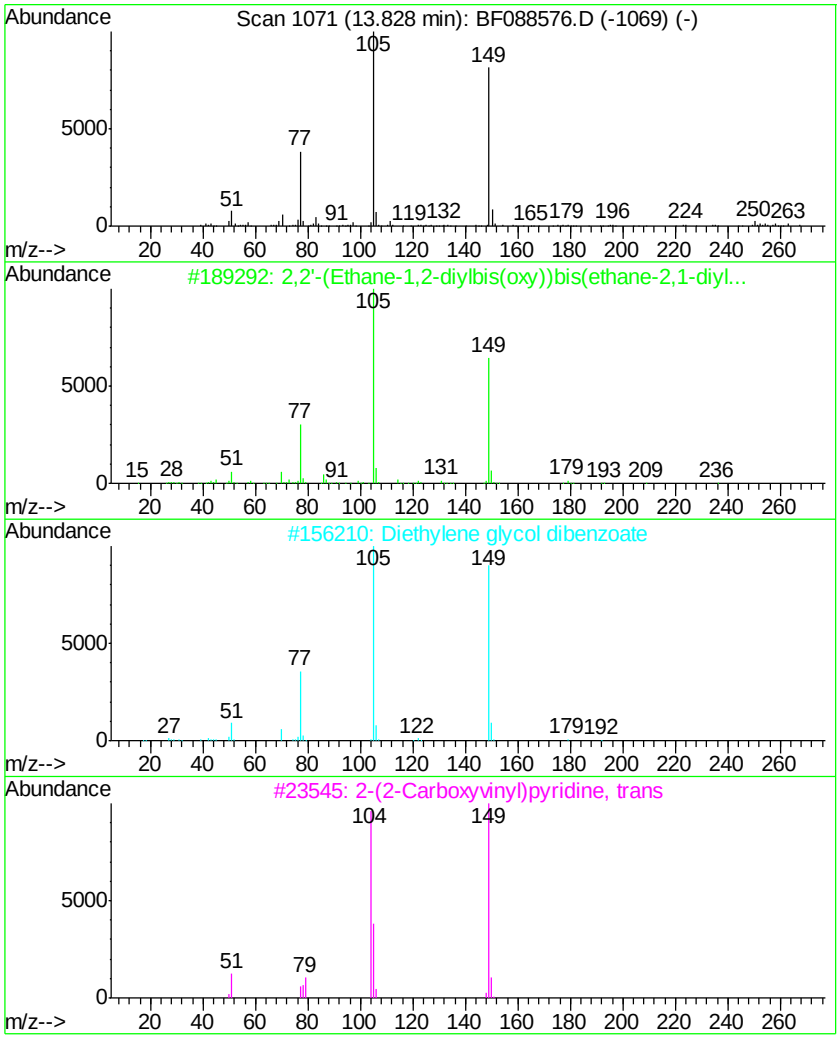
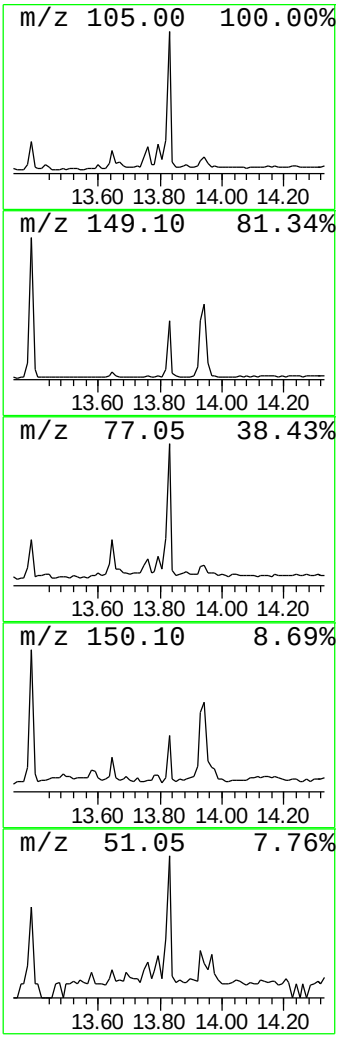
Peak Number 12 2,2'-(Ethane-1,2-diylbis(ox... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.83	2.05 ng	159996	Chrysene-d12	13.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2'-(Ethane-1,2-diylbis(oxy))bi...	358	C20H22O6	1000366-99-4	78
2	Diethylene glycol dibenzoate	314	C18H18O5	000120-55-8	78
3	2-(2-Carboxyvinyl)pyridine, trans	149	C8H7NO2	007340-22-9	49
4	1,2-Benzenedicarboxylic acid, bu...	362	C22H34O4	000089-19-0	38
5	2-((Octan-2-yloxy)carbonyl)benzo...	278	C16H22O4	1000373-83-2	38





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070116\
Data File : BF088576.D
Acq On : 1 Jul 2016 15:49
Operator : UM/SJ
Sample : H3808-13 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-07-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.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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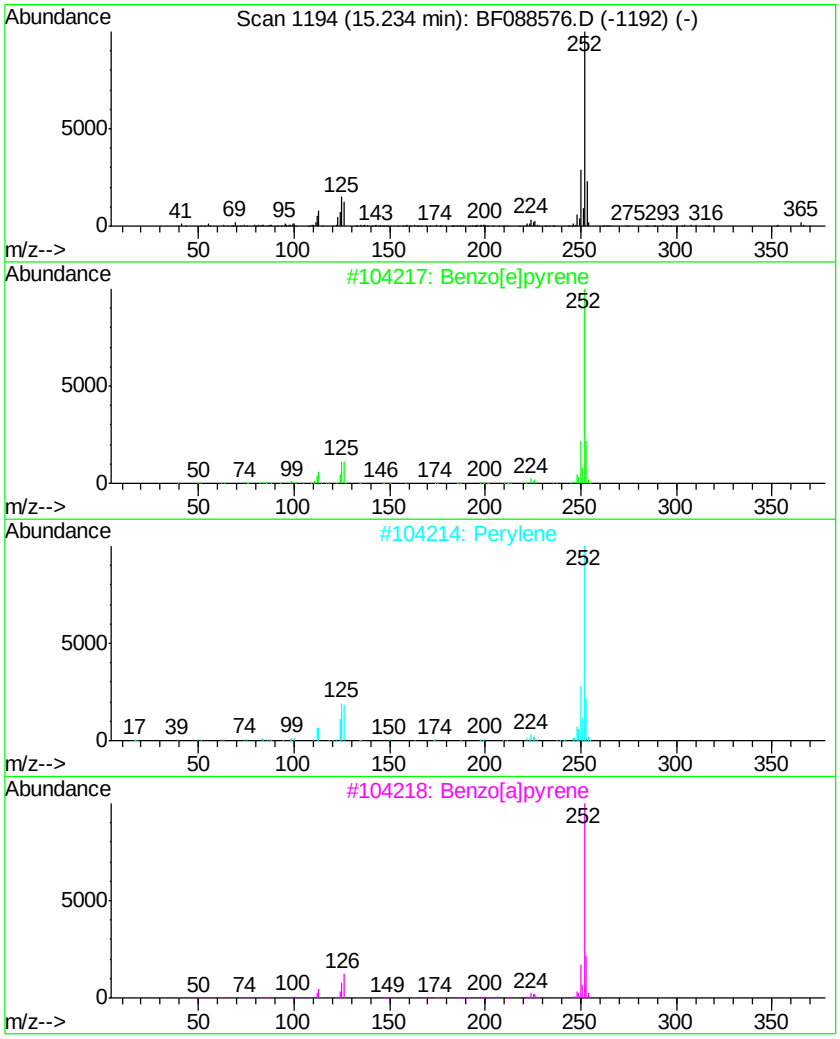
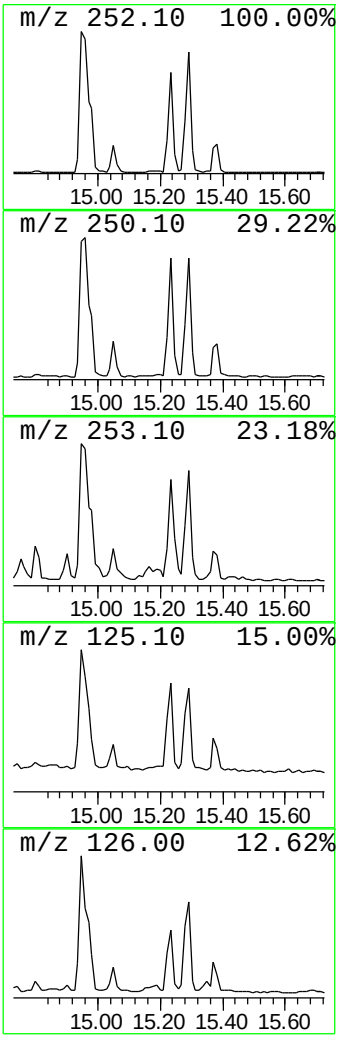
Peak Number 14 Benzo[e]pyrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.23	5.37 ng	173300	Perylene-d12	15.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Perylene	252	C20H12	000198-55-0	98
3	Benzo[a]pyrene	252	C20H12	000050-32-8	97
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	89





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070116\
Data File : BF088576.D
Acq On : 1 Jul 2016 15:49
Operator : UM/SJ
Sample : H3808-13 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-07-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.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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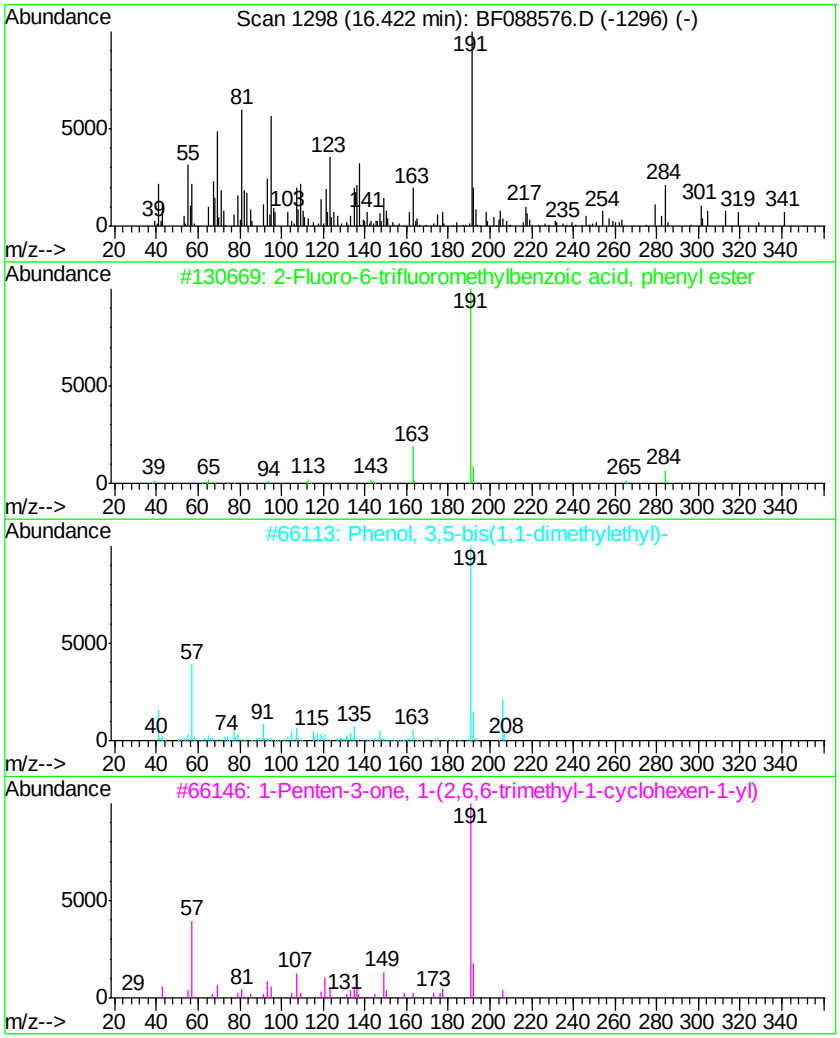
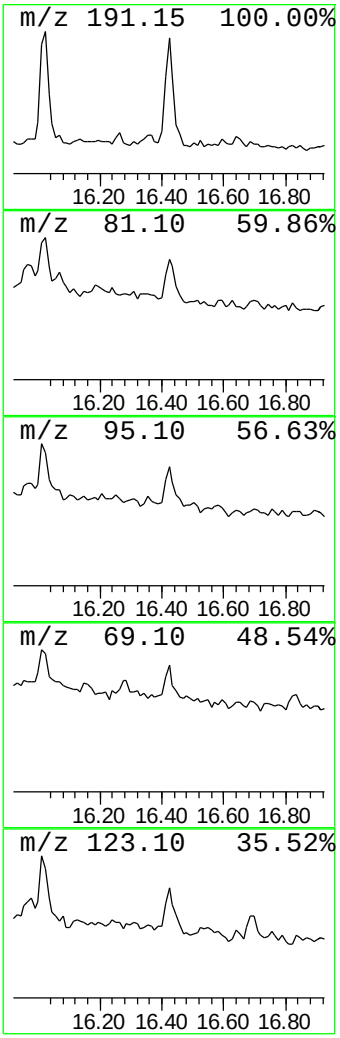
Peak Number 15 unknown16.42 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.42	3.49 ng	112548	Perylene-d12	15.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Fluoro-6-trifluoromethylbenzoi...	284	C14H8F4O2	1000357-69-4	38
2	Phenol, 3,5-bis(1,1-dimethylethyl)-	206	C14H22O	001138-52-9	38
3	1-Penten-3-one, 1-(2,6,6-trimeth...	206	C14H22O	000127-43-5	38
4	2-Fluoro-3-trifluoromethylbenzoi...	284	C14H8F4O2	1000357-64-3	35
5	4-Fluoro-2-trifluoromethylbenzoi...	284	C14H8F4O2	1000357-66-1	35





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070116\
Data File : BF088576.D
Acq On : 1 Jul 2016 15:49
Operator : UM/SJ
Sample : H3808-13 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-07-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.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
.alpha.-Pinene	6.08	17.6	ng	792312	1	6.81	901315	20.0
Camphene	6.25	3.5	ng	156334	1	6.81	901315	20.0
Cyclohexane, 1-me...	6.51	3.0	ng	137449	1	6.81	901315	20.0
unknown6.57	6.57	16.9	ng	760168	1	6.81	901315	20.0
Benzene, 1-methyl...	6.89	13.1	ng	588762	1	6.81	901315	20.0
D-Limonene	6.92	4.7	ng	213657	1	6.81	901315	20.0
Phenol, 3-(2-phen...	11.43	3.2	ng	204516	4	11.32	1262410	20.0
unknown13.65	13.65	3.7	ng	286016	5	13.94	1557440	20.0
2,2'-(Ethane-1,2-...	13.83	2.0	ng	159996	5	13.94	1557440	20.0
Benzo[e]pyrene	15.23	5.4	ng	173300	6	15.35	645727	20.0
unknown16.42	16.42	3.5	ng	112548	6	15.35	645727	20.0