LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080415\
Data File : BF080856.D
Acq On : 5 Aug 2015 00:26
Operator : TP/UM
Sample : G3150-06
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TU021-SB-22-17

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-BF080415.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	2.178	3	8	11	rVV	181492	390450	11.25%	0.567%
2	2.853	58	67	70	rBV	117243	295801	8.52%	0.429%
3	2.944	70	75	77	rVV	85631	202625	5.84%	0.294%
4	3.413	106	116	121	rVB	207642	565541	16.29%	0.821%
5	3.573	121	130	133	rBV	155355	359225	10.35%	0.521%
6	3.653	133	137	142	rVB	163767	340290	9.80%	0.494%
7	3.778	142	148	153	rBV3	330111	867497	24.99%	1.259%
8	3.938	157	162	165	rVB	345161	613201	17.66%	0.890%
9	4.087	170	175	178	rBV	358377	694528	20.00%	1.008%
10	4.247	184	189	191	rBV	74976	139937	4.03%	0.203%
11	4.293	191	193	197	rVB	89377	166529	4.80%	0.242%
12	4.373	197	200	203	rBV	90688	153558	4.42%	0.223%
13	4.441	203	206	210	rVB2	184856	291344	8.39%	0.423%
14	4.544	210	215	218	rVB2	98552	140070	4.03%	0.203%
15	4.750	231	233	235	rBV	121424	154142	4.44%	0.224%
16	4.864	238	243	245	rBV	392799	477413	13.75%	0.693%
17	4.921	245	248	249	rBV	119036	214570	6.18%	0.311%
18	4.956	249	251	254	rVB3	474213	858791	24.74%	1.246%
19	5.024	254	257	260	rBV	1518391	2459368	70.84%	3.569%
20	5.150	264	268	272	rVB	91889	156601	4.51%	0.227%
21	5.230	272	275	276	rBV	487774	626451	18.04%	0.909%
22	5.321	281	283	284	rVB	323078	438714	12.64%	0.637%
23	5.401	287	290	292	rBV2	1702371	3471842	100.00%	5.039%
24	5.436	292	293	295	rVB	1800013	1246115	35.89%	1.809%
25	5.504	295	299	302	rVB3	95024	173405	4.99%	0.252%
26	5.596	305	307	309	rBV	273417	404651	11.66%	0.587%
27	5.630	309	310	312	rVB	285835	325133	9.36%	0.472%
28	5.676	312	314	318	rVB2	274069	410984	11.84%	0.596%
29	5.836	325	328	331	rBV2	356825	576817	16.61%	0.837%
30	5.893	331	333	338	rBV2	194020	441192	12.71%	0.640%
31	5.984	338	341	343	rVB2	514099	772247	22.24%	1.121%
32	6.030	343	345	347	rBV	161851	237723	6.85%	0.345%
33	6.076	347	349	352	rVB	1274971	1376198	39.64%	1.997%
34	6.133	352	354	355	rBV	398003	351264	10.12%	0.510%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080415\
Data File : BF080856.D
Acq On : 5 Aug 2015 00:26
Operator : TP/UM
Sample : G3150-06
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TU021-SB-22-17

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-BF080415.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	6.282	363	367	369	rBV2	413071	959802	27.65%	1.393%
36	6.327	369	371	372	rBV	524868	493748	14.22%	0.717%
37	6.350	372	373	378	rVB2	1238218	1461503	42.10%	2.121%
38	6.453	378	382	385	rBV	1469873	2841200	81.84%	4.123%
39	6.590	390	394	398	rBV2	1734660	2567981	73.97%	3.727%
40	6.659	398	400	401	rBV	2026598	2101853	60.54%	3.050%
41	6.682	401	402	404	rVB2	134814	148474	4.28%	0.215%
42	6.773	407	410	413	rBV3	158305	447654	12.89%	0.650%
43	6.819	413	414	415	rVV	433987	498871	14.37%	0.724%
44	6.853	415	417	418	rVV	544386	738384	21.27%	1.072%
45	6.887	418	420	422	rVB	1019572	954833	27.50%	1.386%
46	6.944	422	425	426	rBV3	114719	174076	5.01%	0.253%
47	6.979	426	428	432	rVB	1765691	2055916	59.22%	2.984%
48	7.104	432	439	441	rBV2	857401	1426597	41.09%	2.070%
49	7.150	441	443	444	rBV2	789283	939900	27.07%	1.364%
50	7.173	444	445	447	rVB	317252	265503	7.65%	0.385%
51	7.219	447	449	451	rBV	545261	563863	16.24%	0.818%
52	7.322	454	458	459	rBV	336963	658439	18.97%	0.956%
53	7.390	459	464	469	rVB2	1217400	2765619	79.66%	4.014%
54	7.470	469	471	473	rBV2	426692	700192	20.17%	1.016%
55	7.516	473	475	476	rBV	286402	410767	11.83%	0.596%
56	7.539	476	477	479	rVB2	321904	379683	10.94%	0.551%
57	7.619	479	484	487	rVB4	616845	1496627	43.11%	2.172%
58	7.733	490	494	495	rBV3	412482	775592	22.34%	1.126%
59	7.802	498	500	501	rVV	327213	441086	12.70%	0.640%
60	7.847	501	504	505	rVV2	615856	1009504	29.08%	1.465%
61	7.882	505	507	508	rVV2	248500	339229	9.77%	0.492%
62	7.916	508	510	512	rVV2	320438	630564	18.16%	0.915%
63	7.985	514	516	520	rBV3	198053	442605	12.75%	0.642%
64	8.065	520	523	524	rBV2	268028	509323	14.67%	0.739%
65	8.099	524	526	528	rVV2	692009	1475363	42.50%	2.141%
66	8.179	530	533	534	rVV	1127625	1390178	40.04%	2.018%
67	8.202	534	535	537	rVV2	273096	342684	9.87%	0.497%
68	8.270	539	541	543	rBV2	173135	361907	10.42%	0.525%
69	8.316	543	545	546	rVV2	234168	284153	8.18%	0.412%
70	8.407	549	553	556	rVV5	450085	1028321	29.62%	1.492%
71	8.453	556	557	559	rVV	228737	347104	10.00%	0.504%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080415\
Data File : BF080856.D
Acq On : 5 Aug 2015 00:26
Operator : TP/UM
Sample : G3150-06
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TU021-SB-22-17

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-BF080415.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	8.487	559	560	562	rVB2	169498	224695	6.47%	0.326%
73	8.533	562	564	569	rVB	829475	1466076	42.23%	2.128%
74	8.613	569	571	572	rBV	264303	245904	7.08%	0.357%
75	8.647	572	574	577	rVV3	120370	279132	8.04%	0.405%
76	8.716	577	580	581	rVV3	121540	283606	8.17%	0.412%
77	8.762	582	584	586	rVV3	231448	420944	12.12%	0.611%
78	8.819	586	589	591	rVB2	919169	1163264	33.51%	1.688%
79	8.922	594	598	600	rBV2	369593	656086	18.90%	0.952%
80	9.013	602	606	609	rBV5	171291	485540	13.99%	0.705%
81	9.139	615	617	618	rVB	547087	605710	17.45%	0.879%
82	9.185	618	621	623	rVB	1226551	1345103	38.74%	1.952%
83	9.276	625	629	631	rBV3	229201	407752	11.74%	0.592%
84	9.310	631	632	636	rVV3	106626	226347	6.52%	0.329%
85	9.379	636	638	640	rVB	130813	189806	5.47%	0.275%
86	9.448	640	644	646	rBV2	221897	407913	11.75%	0.592%
87	9.516	646	650	651	rBV	307266	377846	10.88%	0.548%
88	9.585	653	656	658	rVV2	509929	846311	24.38%	1.228%
89	9.630	658	660	663	rVB	110454	146905	4.23%	0.213%
90	9.859	677	680	681	rBV	467863	610467	17.58%	0.886%
91	10.636	745	748	751	rBV	864722	862256	24.84%	1.251%
92	11.333	807	809	810	rVV	573643	484758	13.96%	0.704%
93	12.911	945	947	950	rBV	606280	767791	22.11%	1.114%
94	13.791	1022	1024	1026	rBV	127039	161344	4.65%	0.234%
95	13.962	1036	1039	1042	rBV	302001	352531	10.15%	0.512%
96	14.077	1042	1049	1052	rBV4	40353	191439	5.51%	0.278%
97	14.705	1093	1104	1105	rBV2	50154	186284	5.37%	0.270%
98	15.368	1159	1162	1164	rBV	192490	227226	6.54%	0.330%
99	17.357	1330	1336	1341	rBV	84768	175396	5.05%	0.255%
100	19.209	1492	1498	1505	rBV2	94623	280904	8.09%	0.408%

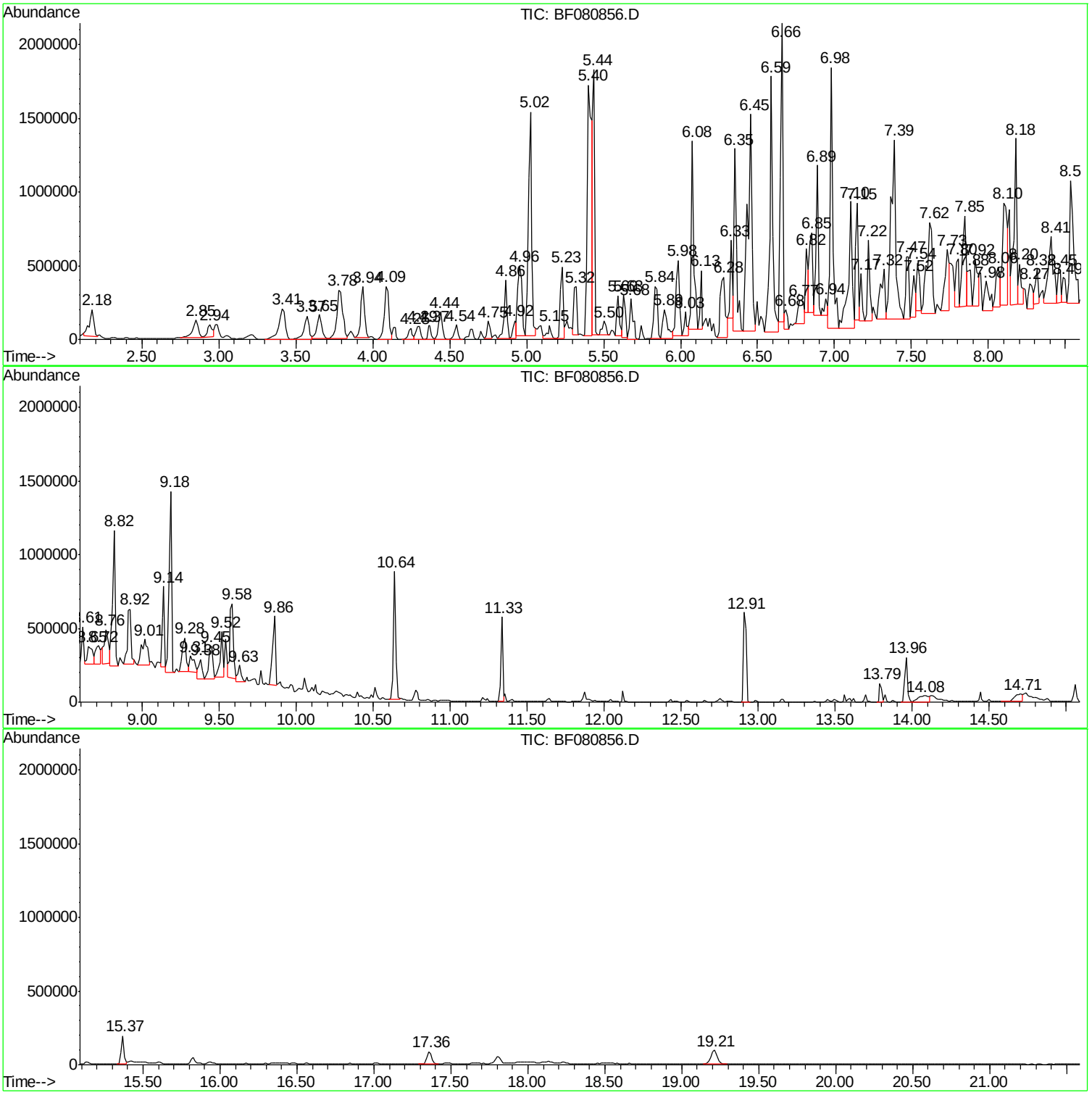
Sum of corrected areas: 68902651

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080415\
Data File : BF080856.D
Acq On : 5 Aug 2015 00:26
Operator : TP/UM
Sample : G3150-06
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TU021-SB-22-17

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF080415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080415\
Data File : BF080856.D
Acq On : 5 Aug 2015 00:26
Operator : TP/UM
Sample : G3150-06
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TU021-SB-22-17

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF080415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

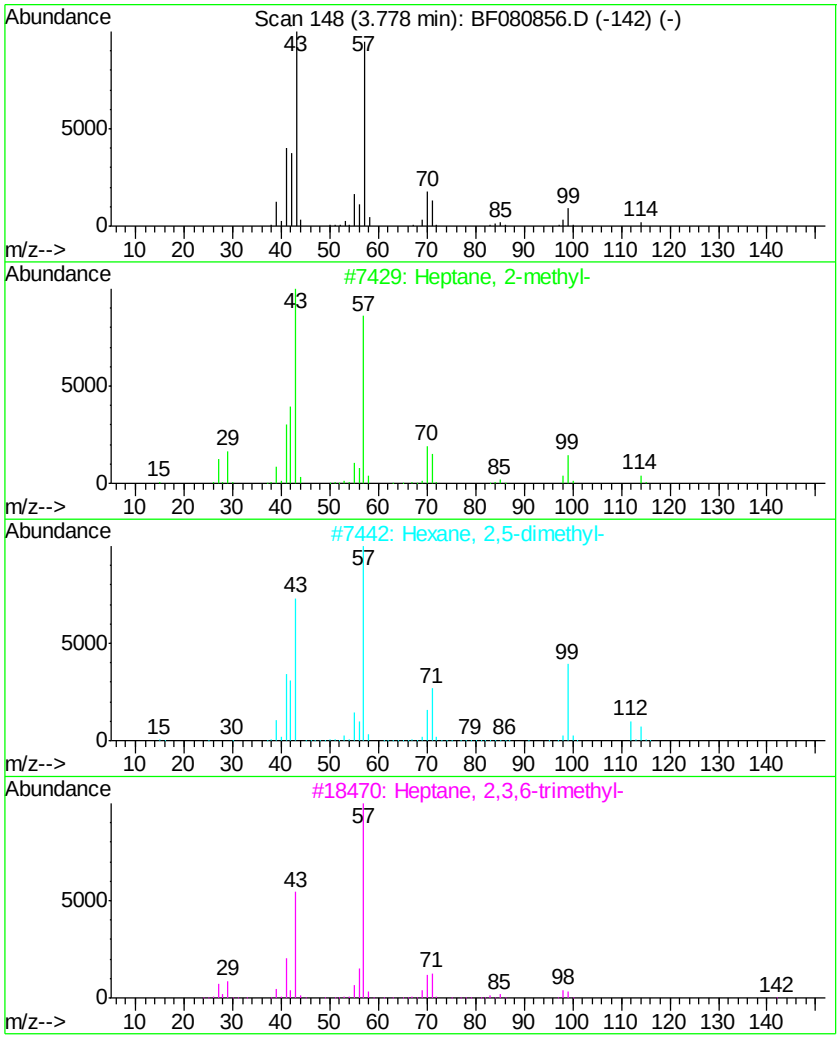
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

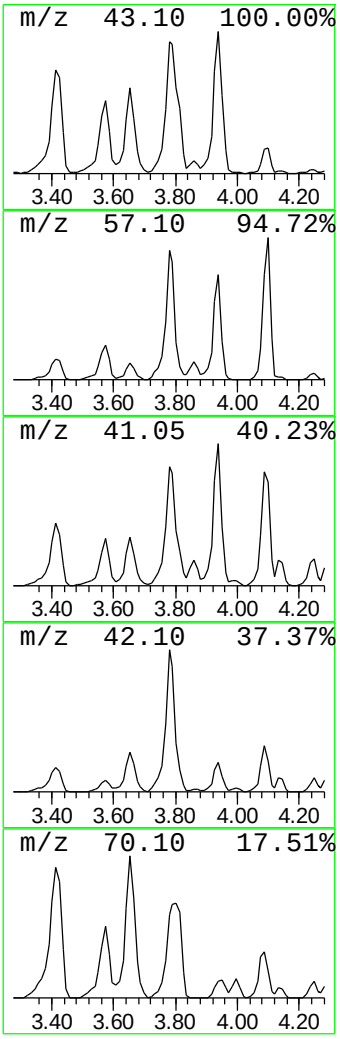
****

Peak Number 1 Heptane, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.78	34.78 ng	867497	1,4-Dichlorobenzene-d4	6.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2-methyl-	114	C8H18	000592-27-8	74
2	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	56
3	Heptane, 2,3,6-trimethyl-	142	C10H22	004032-93-3	50
4	Hexane, 3-ethyl-	114	C8H18	000619-99-8	49
5	Hexane, 4-ethyl-2-methyl-	128	C9H20	003074-75-7	47





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080415\
Data File : BF080856.D
Acq On : 5 Aug 2015 00:26
Operator : TP/UM
Sample : G3150-06
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TU021-SB-22-17

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF080415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

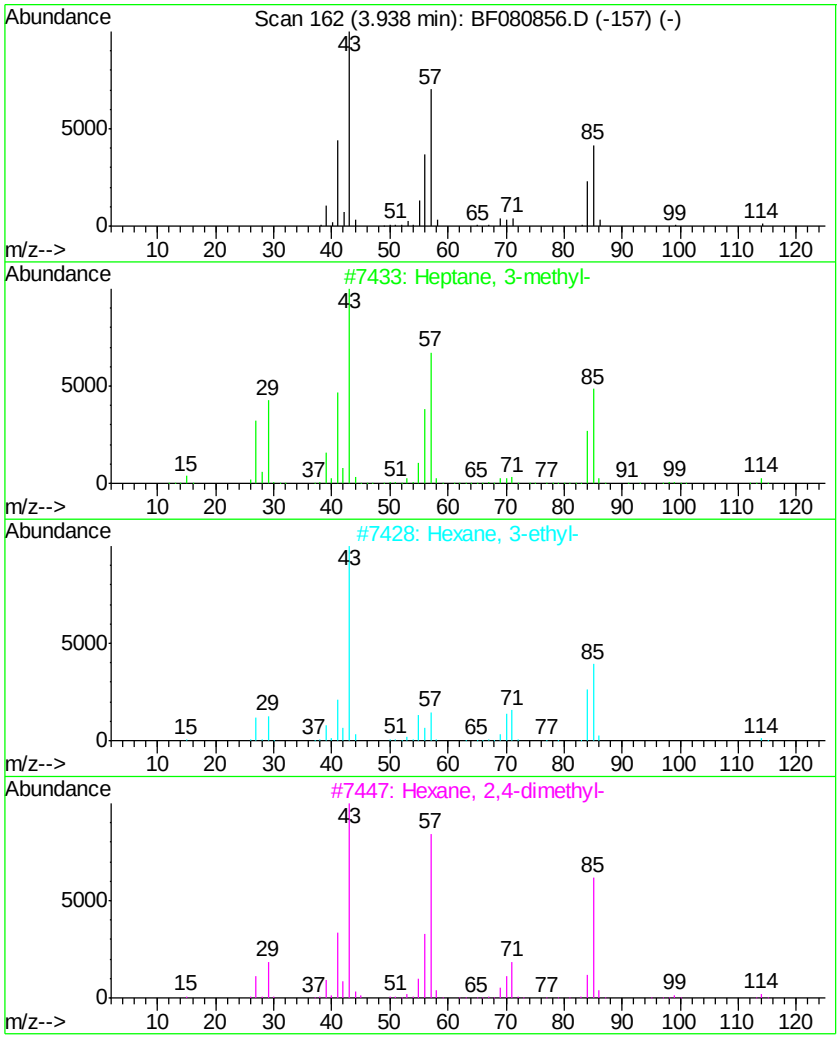
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

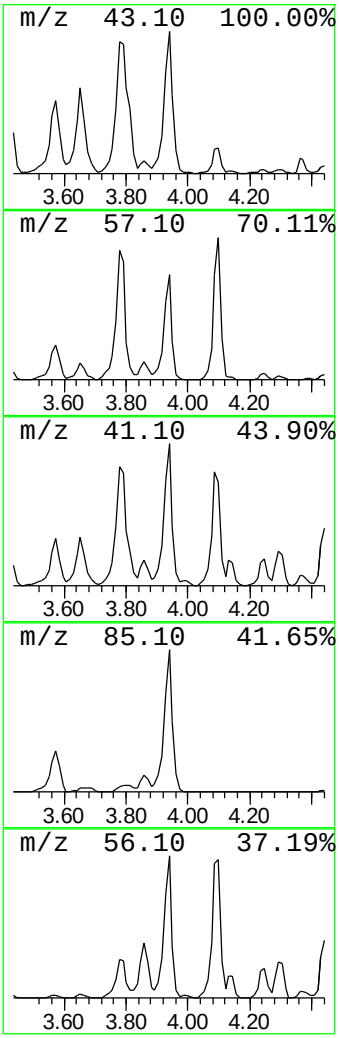
****

Peak Number 2 Heptane, 3-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.94	24.58 ng	613201	1,4-Dichlorobenzene-d4	6.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-methyl-	114	C8H18	000589-81-1	83
2	Hexane, 3-ethyl-	114	C8H18	000619-99-8	74
3	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	72
4	Hexane, 2-methyl-	100	C7H16	000591-76-4	64
5	Pentane, 3-ethyl-2,4-dimethyl-	128	C9H20	001068-87-7	64





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080415\
Data File : BF080856.D
Acq On : 5 Aug 2015 00:26
Operator : TP/UM
Sample : G3150-06
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TU021-SB-22-17

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF080415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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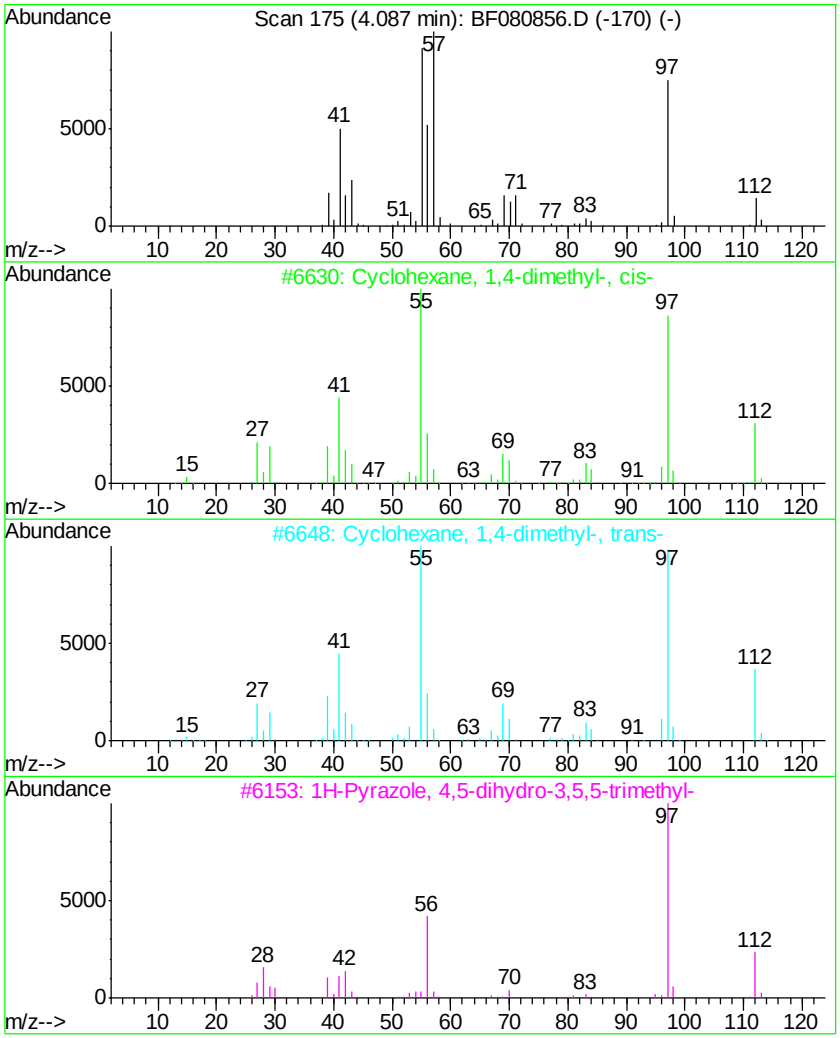
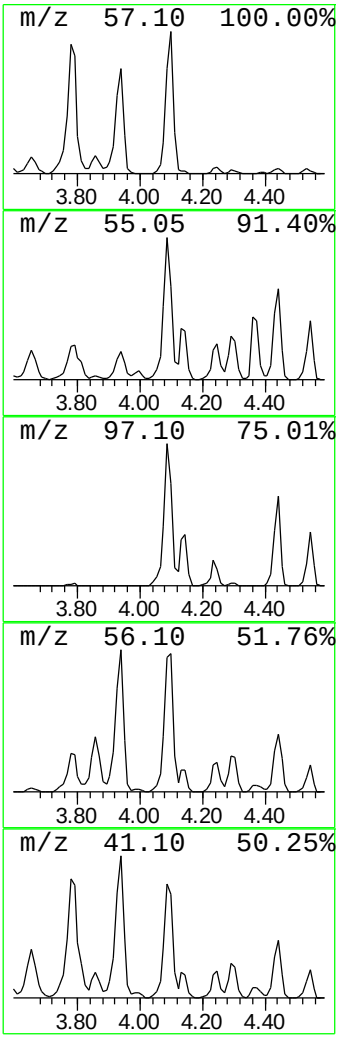
Peak Number 3 Cyclohexane, 1,4-dimethyl-,... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.09	27.84 ng	694528	1,4-Dichlorobenzene-d4	6.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	72
2	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	64
3	1H-Pyrazole, 4,5-dihydro-3,5,5-t...	112	C6H12N2	003975-85-7	53
4	Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	52
5	Oxazole, 4,5-dimethyl-	97	C5H7NO	020662-83-3	46





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080415\
Data File : BF080856.D
Acq On : 5 Aug 2015 00:26
Operator : TP/UM
Sample : G3150-06
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TU021-SB-22-17

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF080415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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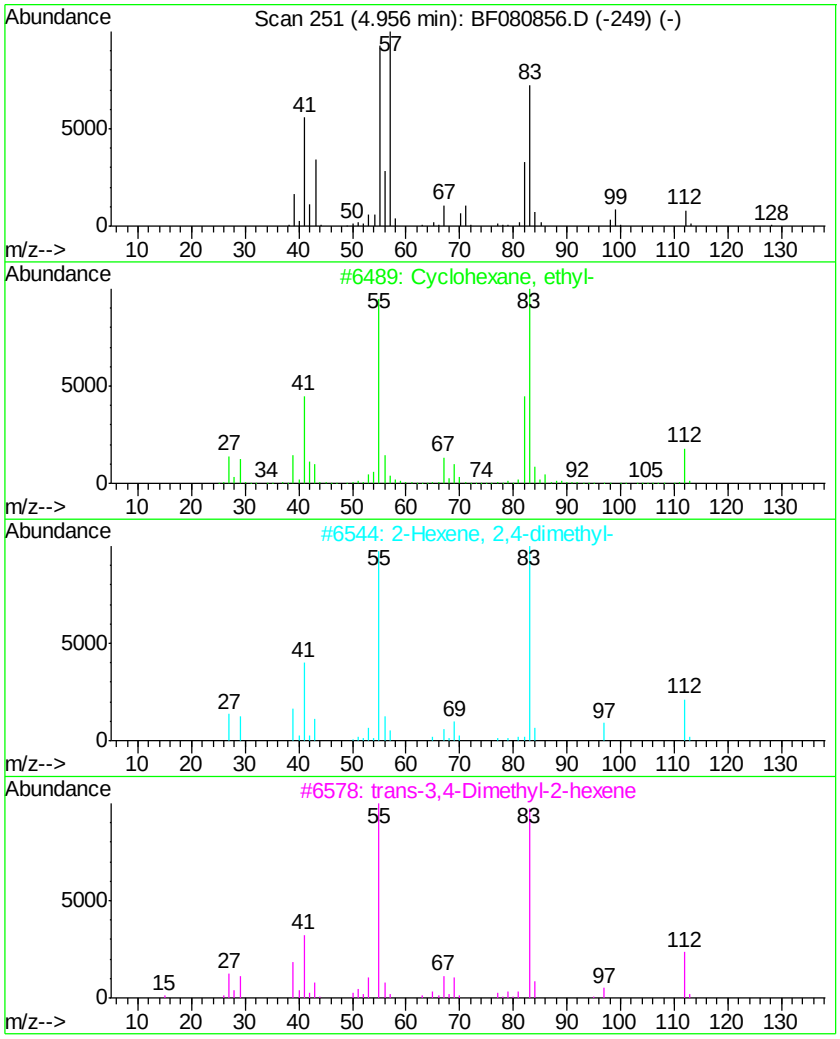
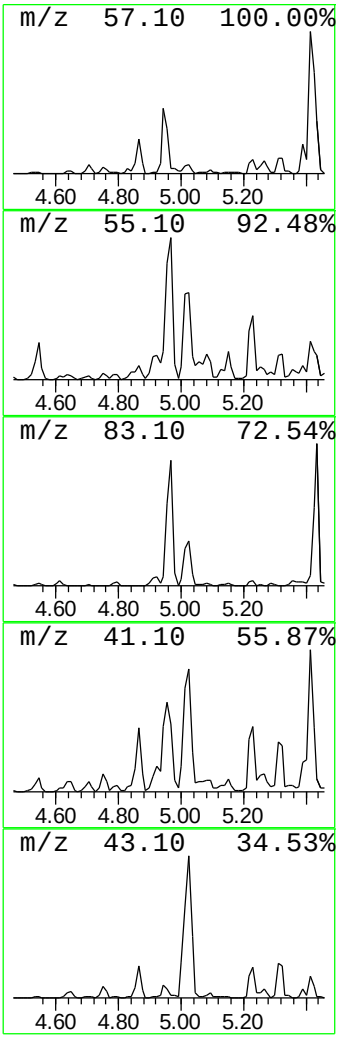
Peak Number 4 Cyclohexane, ethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.96	34.43 ng	858791	1,4-Dichlorobenzene-d4	6.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, ethyl-	112	C8H16	001678-91-7	53
2	2-Hexene, 2,4-dimethyl-	112	C8H16	014255-23-3	47
3	trans-3,4-Dimethyl-2-hexene	112	C8H16	019550-82-4	46
4	1-Butene, 2,3,3-trimethyl-	98	C7H14	000594-56-9	43
5	3,4-Dimethyl-2-hexene (c,t)	112	C8H16	002213-37-8	43





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080415\
Data File : BF080856.D
Acq On : 5 Aug 2015 00:26
Operator : TP/UM
Sample : G3150-06
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TU021-SB-22-17

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF080415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

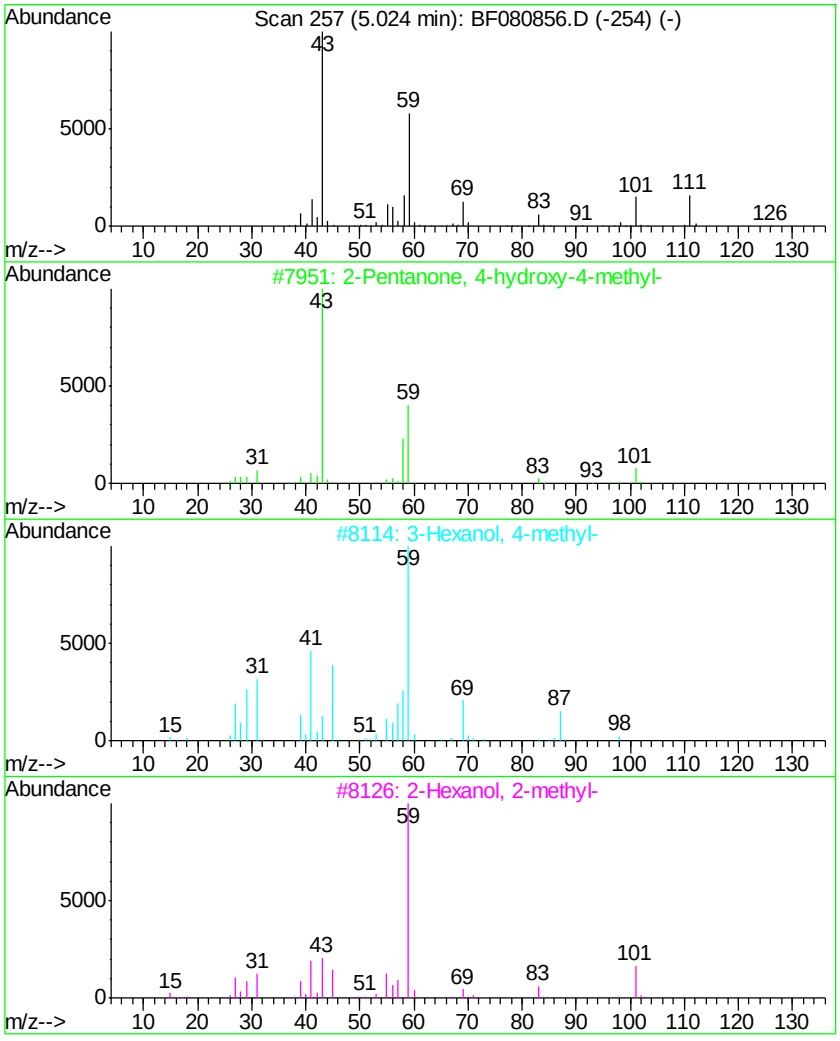
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

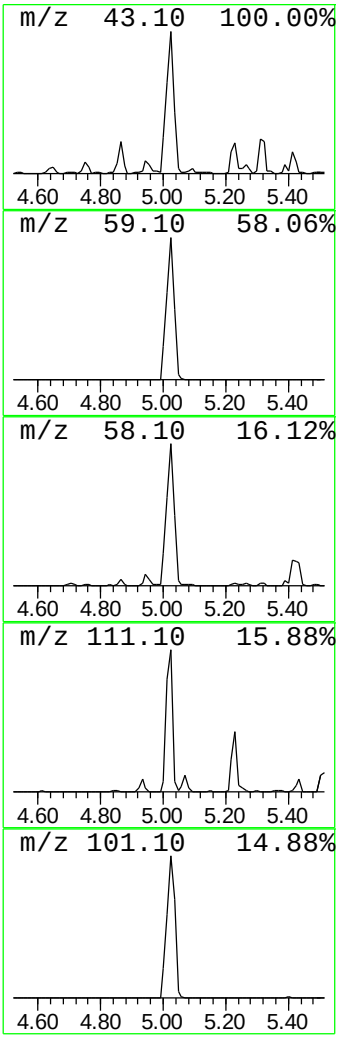
****

Peak Number 5 unknown5.02 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.02	98.60 ng	2459370	1,4-Dichlorobenzene-d4	6.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	40
2	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	38
3	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	37
4	3-Heptanol, 5-methyl-	130	C8H18O	018720-65-5	25
5	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	23





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080415\
Data File : BF080856.D
Acq On : 5 Aug 2015 00:26
Operator : TP/UM
Sample : G3150-06
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TU021-SB-22-17

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF080415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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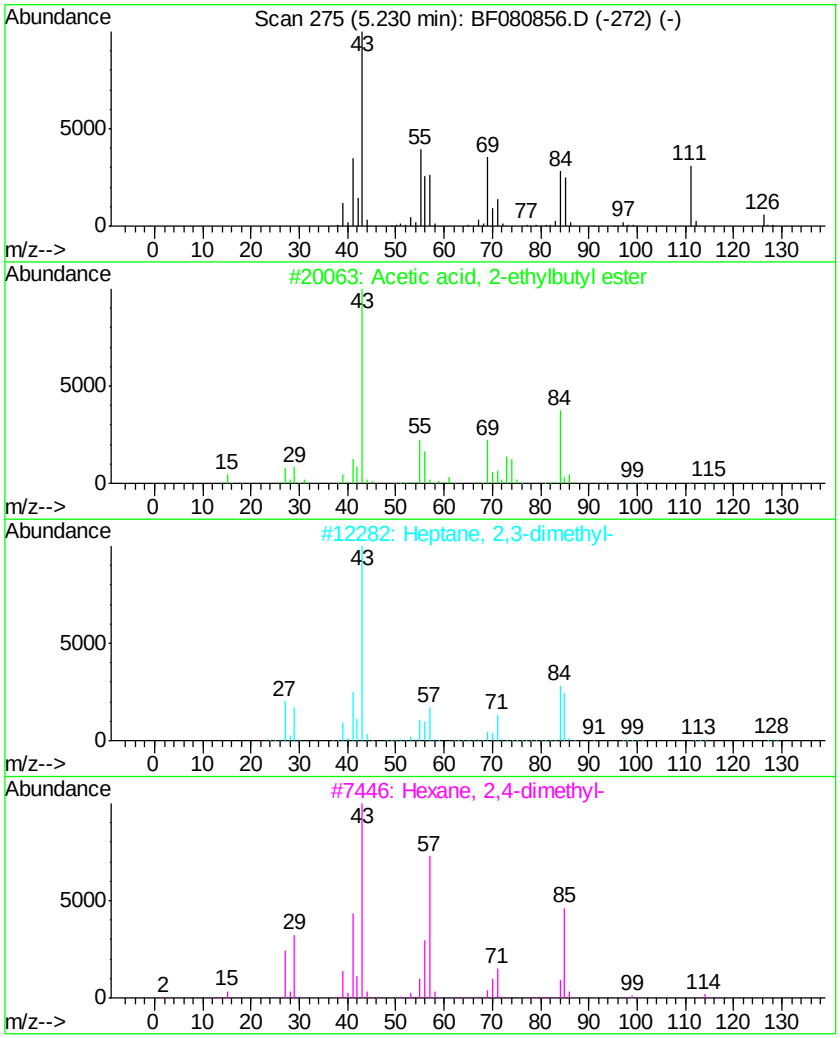
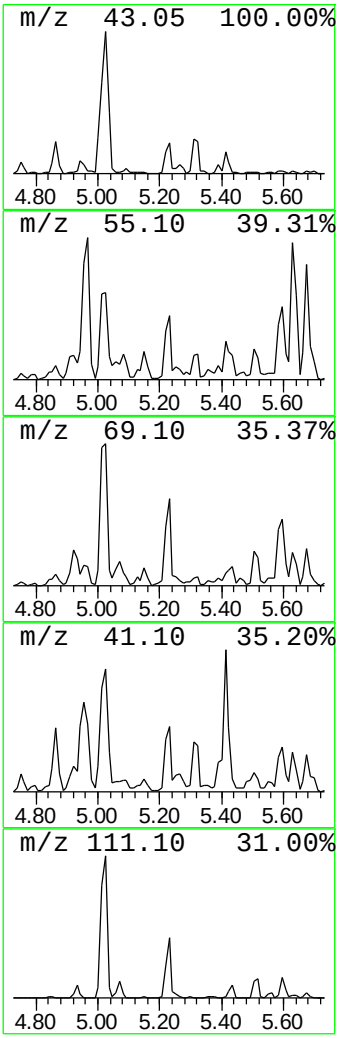
Peak Number 6 Acetic acid, 2-ethylbutyl e... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.23	25.11 ng	626451	1,4-Dichlorobenzene-d4	6.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetic acid, 2-ethylbutyl ester	144	C8H16O2	010031-87-5	53
2	Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	50
3	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	50
4	1-Octene, 3,4-dimethyl-	140	C10H20	056728-11-1	50
5	Octane	114	C8H18	000111-65-9	47





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Acq On : 5 Aug 2015 00:26
Operator : TP/UM
Sample : G3150-06
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TU021-SB-22-17

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF080415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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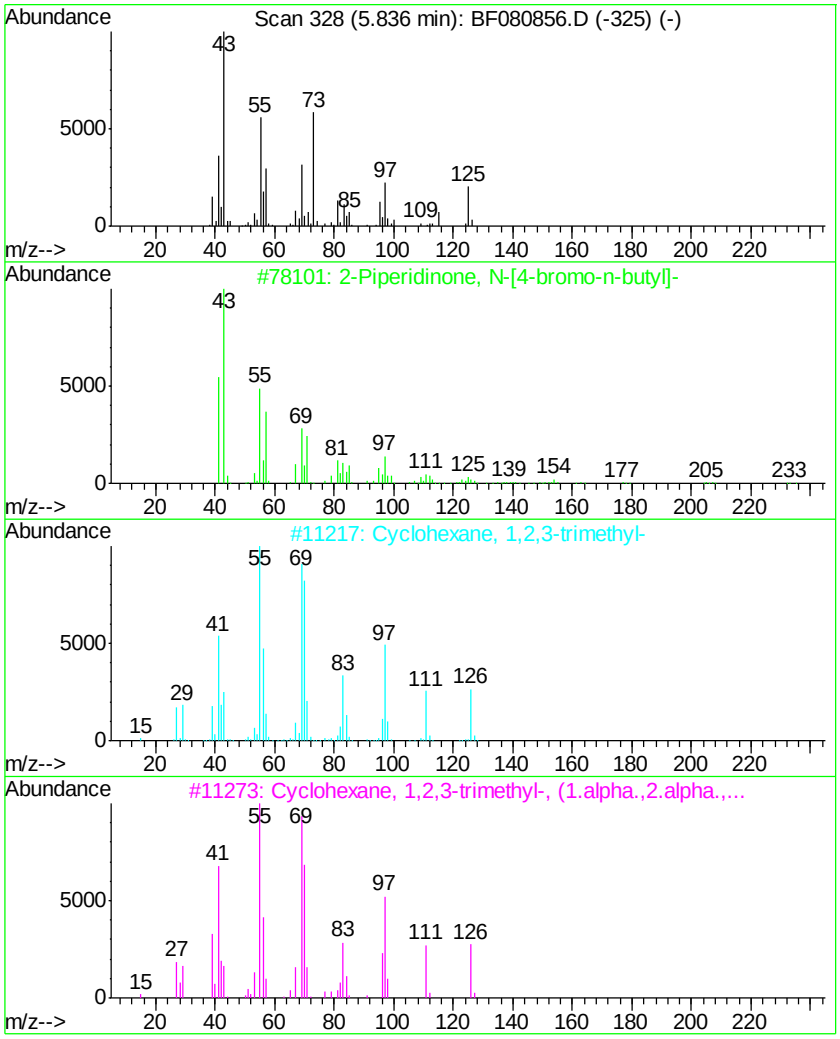
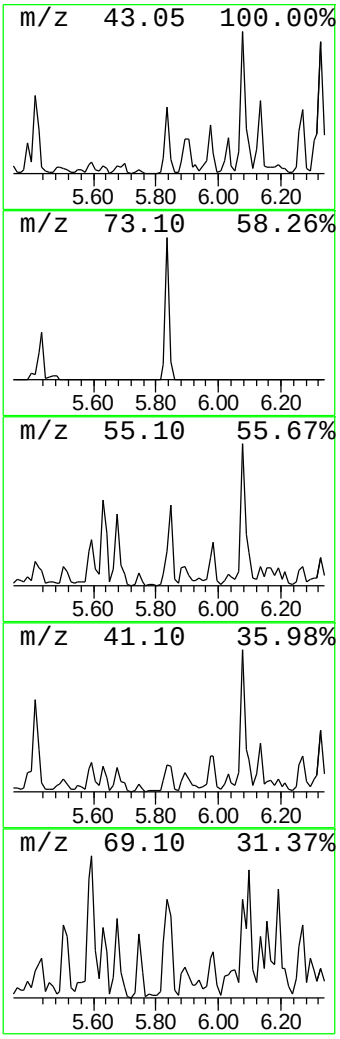
Peak Number 7 unknown5.84 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.84	23.12 ng	576817	1,4-Dichlorobenzene-d4	6.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Piperidinone, N-[4-bromo-n-but...	233	C9H16BrNO	195194-80-0	43
2	Cyclohexane, 1,2,3-trimethyl-	126	C9H18	001678-97-3	35
3	Cyclohexane, 1,2,3-trimethyl-, (...	126	C9H18	007667-55-2	27
4	1-Octene, 6-methyl-	126	C9H18	013151-10-5	27
5	1-Dodecanol, 3,7,11-trimethyl-	228	C15H32O	006750-34-1	16





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Sample : G3150-06
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TU021-SB-22-17

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF080415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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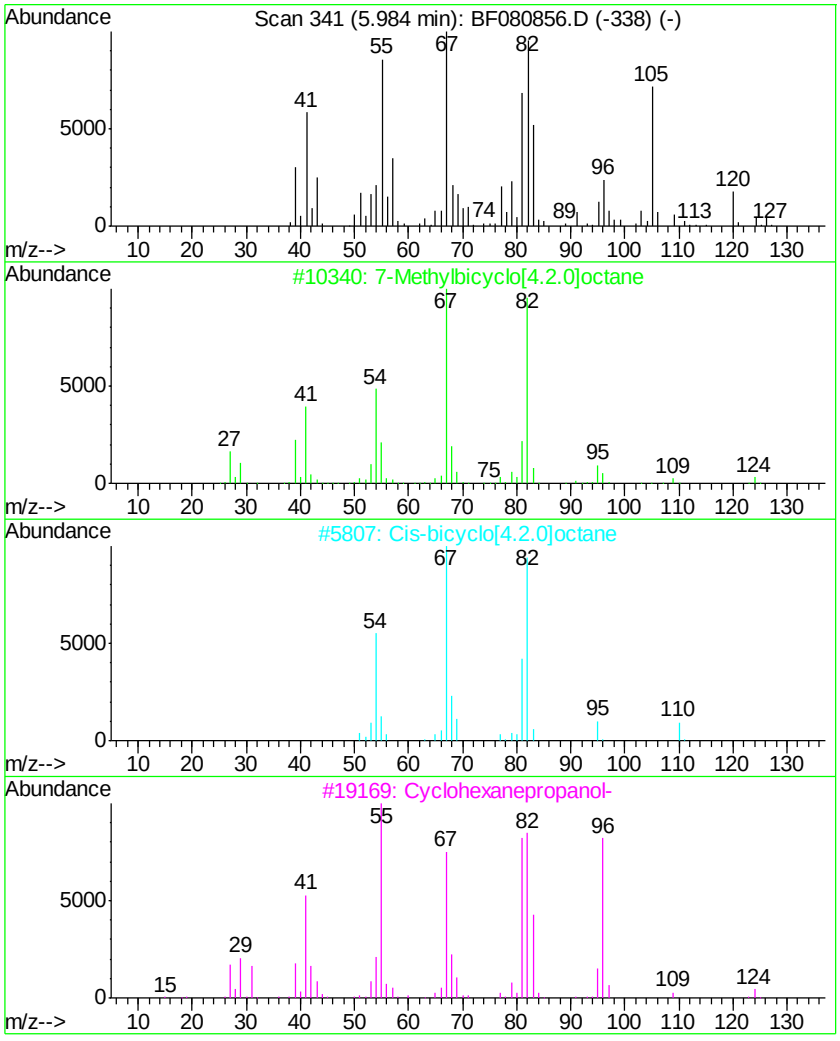
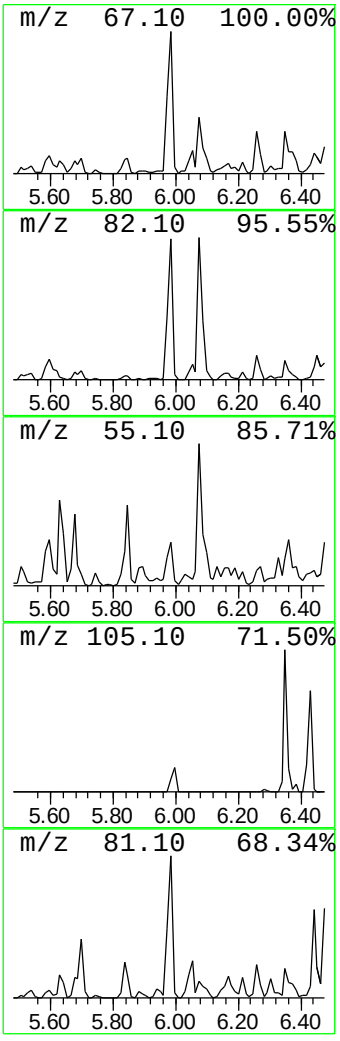
Peak Number 8 7-Methylbicyclo[4.2.0]octane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.98	30.96 ng	772247	1,4-Dichlorobenzene-d4	6.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7-Methylbicyclo[4.2.0]octane	124	C9H16	1000210-90-2	52
2	Cis-bicyclo[4.2.0]octane	110	C8H14	028282-35-1	47
3	Cyclohexanepropanol-	142	C9H18O	001124-63-6	47
4	2,4-Hexadiene, (Z,Z)-	82	C6H10	006108-61-8	43
5	2,4-Hexadiene, (E,Z)-	82	C6H10	005194-50-3	38





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Instrument : BNA_F
ClientSampleId : TU021-SB-22-17

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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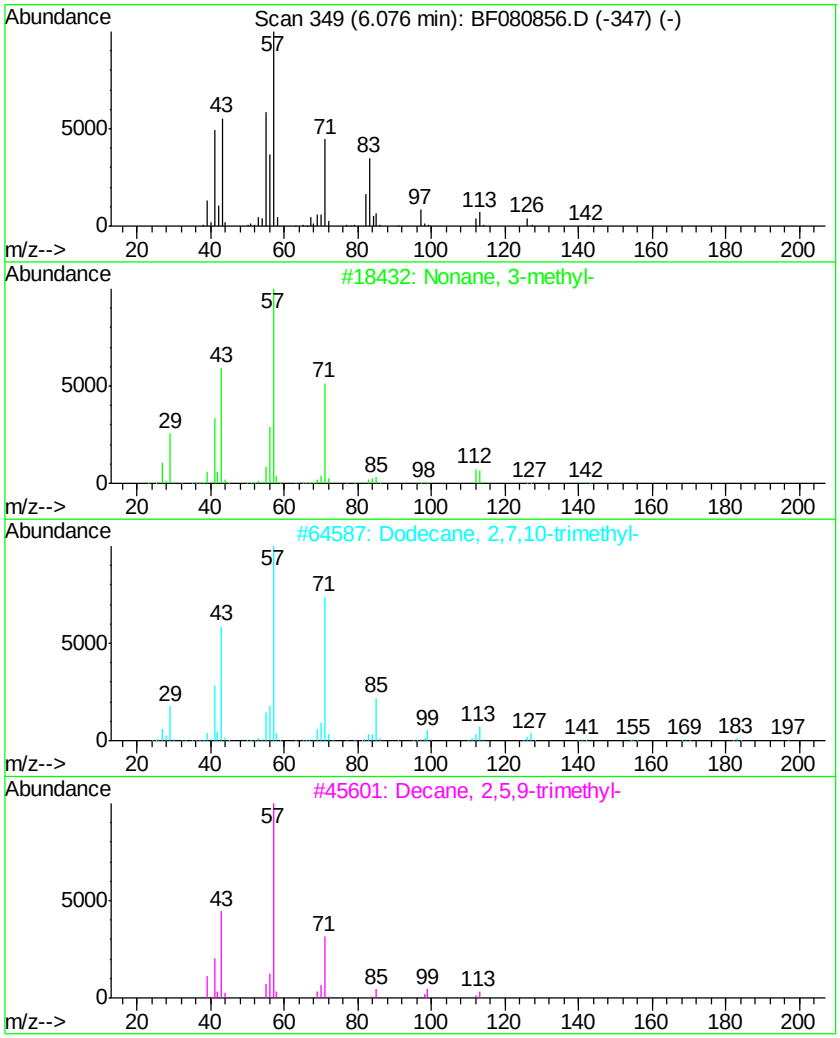
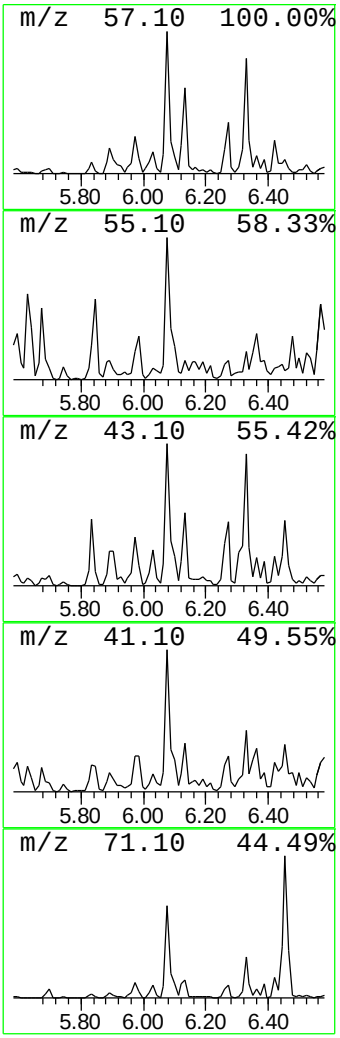
Peak Number 9 Nonane, 3-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.08	55.17 ng	1376200	1,4-Dichlorobenzene-d4	6.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 3-methyl-	142	C10H22	005911-04-6	53
2	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	50
3	Decane, 2,5,9-trimethyl-	184	C13H28	062108-22-9	47
4	Octane, 2,3,7-trimethyl-	156	C11H24	062016-34-6	47
5	Decane, 2,6,7-trimethyl-	184	C13H28	062108-25-2	45





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Misc :
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Instrument : BNA_F
ClientSampleId : TU021-SB-22-17

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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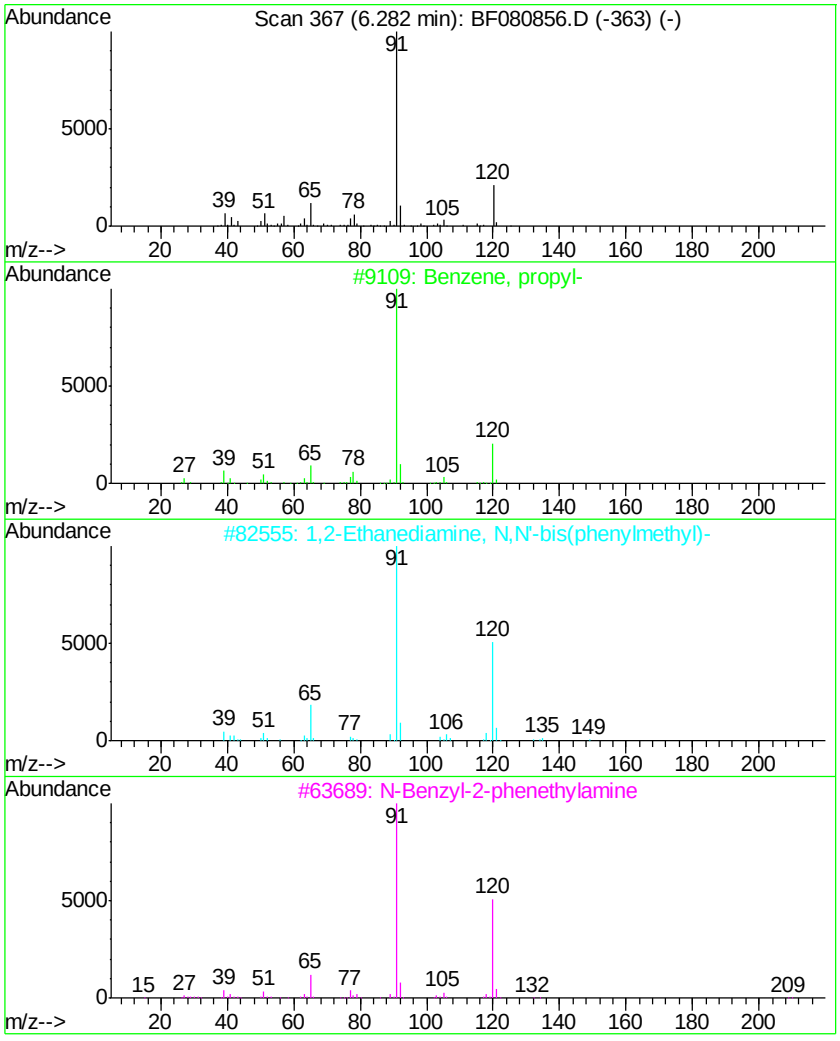
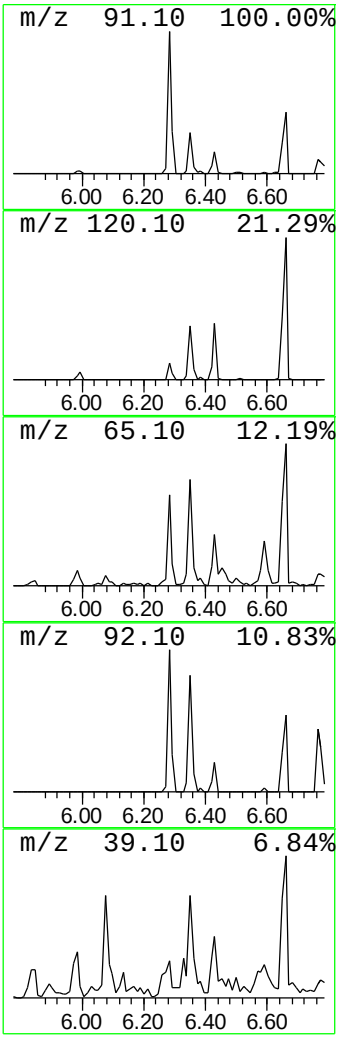
Peak Number 10 Benzene, propyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.28	38.48 ng	959802	1,4-Dichlorobenzene-d4	6.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, propyl-	120	C9H12	000103-65-1	90
2	1,2-Ethanediamine, N,N'-bis(phen...	240	C16H20N2	000140-28-3	72
3	N-Benzyl-2-phenethylamine	211	C15H17N	003647-71-0	64
4	Benzene, (ethenyloxy)-	120	C8H8O	000766-94-9	59
5	Phenethylamine, N-benzyl-p-chloro-	245	C15H16ClN	013622-43-0	56





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Acq On : 5 Aug 2015 00:26
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Sample : G3150-06
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TU021-SB-22-17

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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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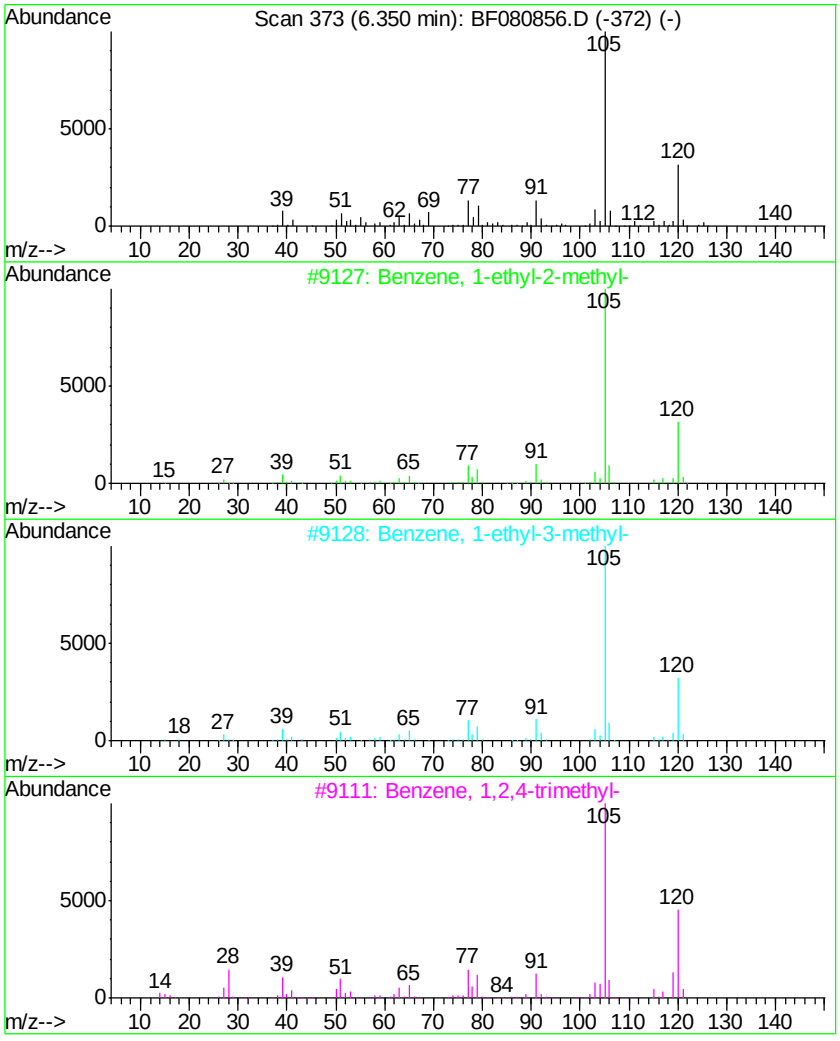
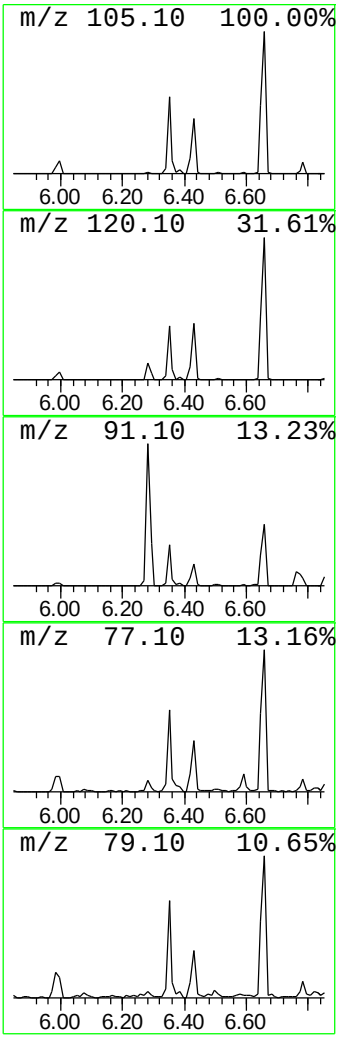
Peak Number 11 Benzene, 1-ethyl-2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.35	58.59 ng	1461500	1,4-Dichlorobenzene-d4	6.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
2	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	95
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
4	Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	91
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91





Library Search Compound Report

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Operator : TP/UM
Sample : G3150-06
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TU021-SB-22-17

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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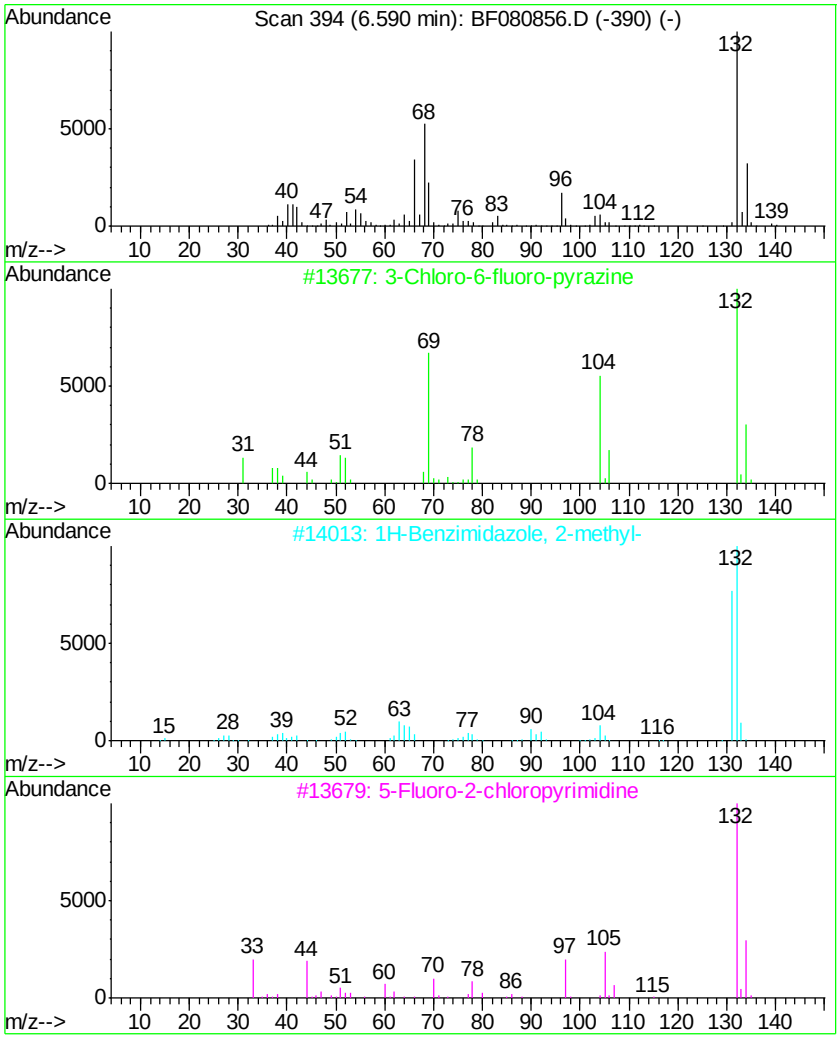
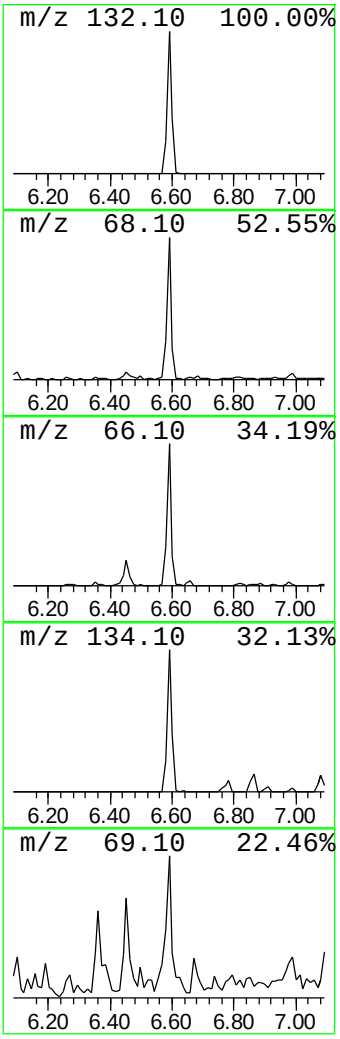
Peak Number 12 unknown6.59 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.59	102.95 ng	2567980	1,4-Dichlorobenzene-d4	6.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	25
3	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12
4	2-Cyclohexen-1-one	96	C6H8O	000930-68-7	10
5	(5-METHYL-2-PYRIDYL)ACETONITRILE	132	C8H8N2	1000241-93-9	10





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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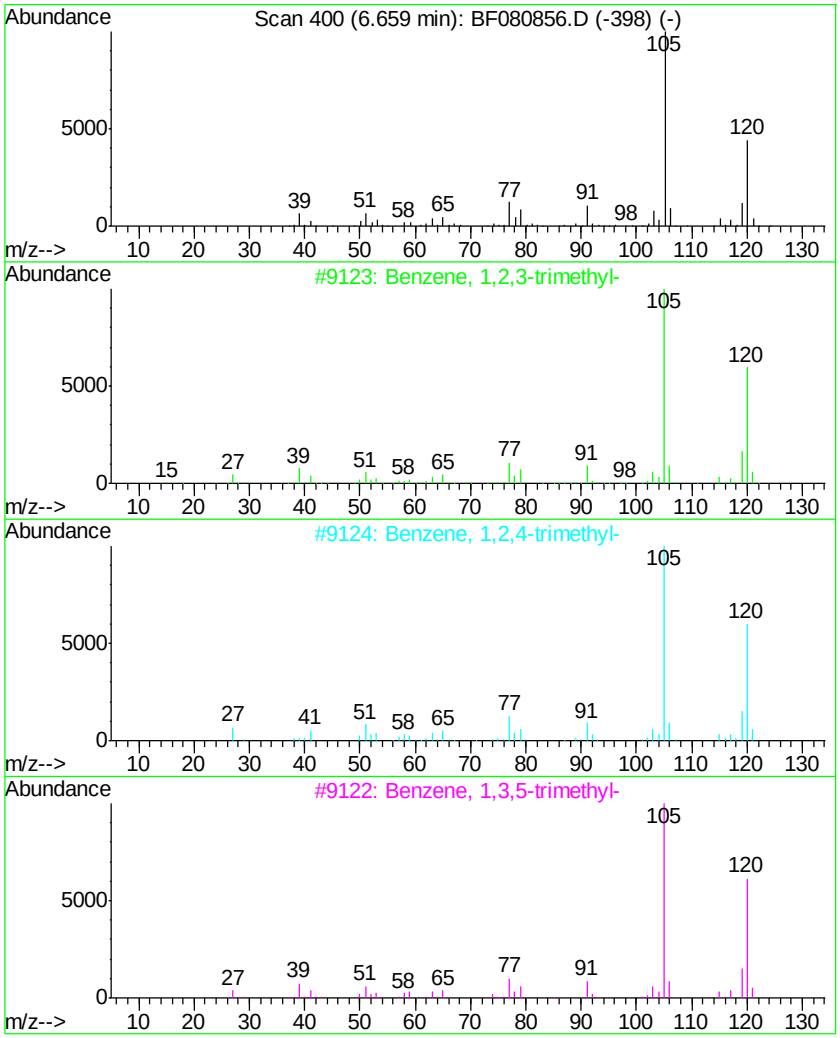
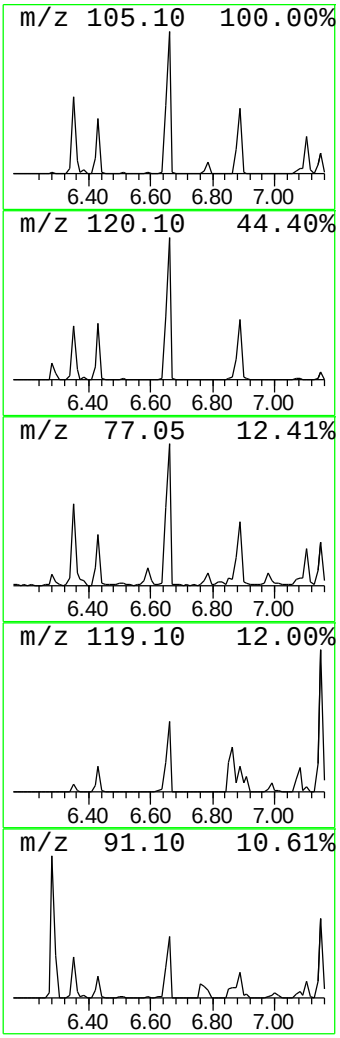
Peak Number 13 Benzene, 1,2,3-trimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.66	84.26 ng	2101850	1,4-Dichlorobenzene-d4	6.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	97
2	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
3	Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	91
4	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	90
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	90





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Misc :
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Instrument : BNA_F
ClientSampleId : TU021-SB-22-17

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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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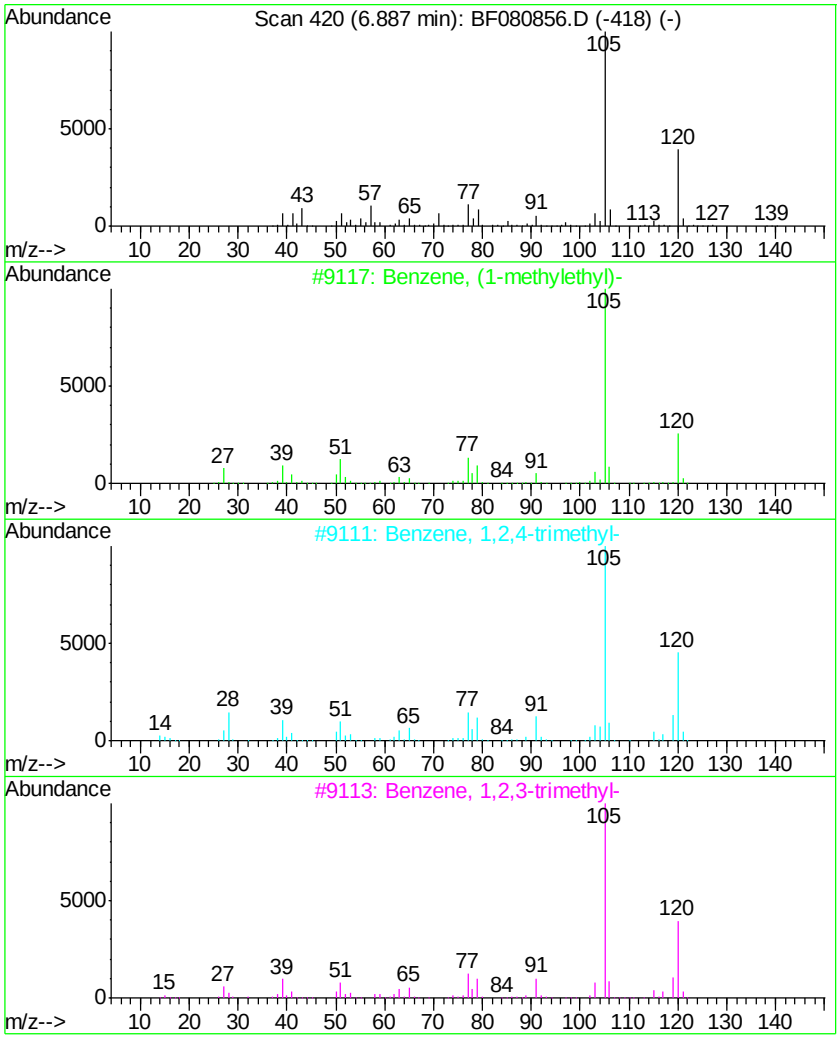
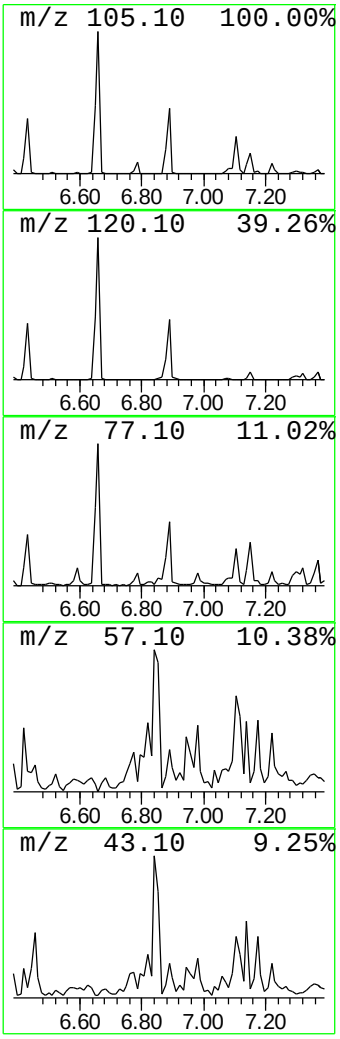
Peak Number 14 Benzene, (1-methylethyl)- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.89	38.28 ng	954833	1,4-Dichlorobenzene-d4	6.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	87
2	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	83
3	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	83
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	80
5	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	80





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Sample : G3150-06
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ALS Vial : 17 Sample Multiplier: 1

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ClientSampleId : TU021-SB-22-17

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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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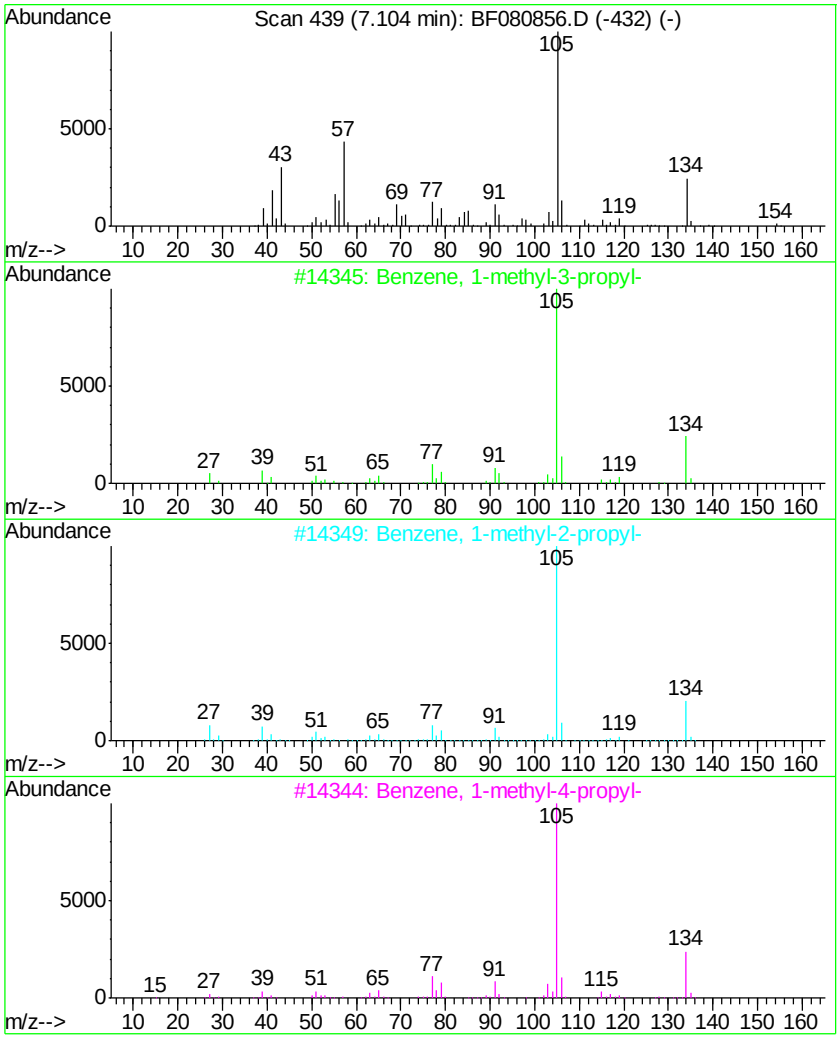
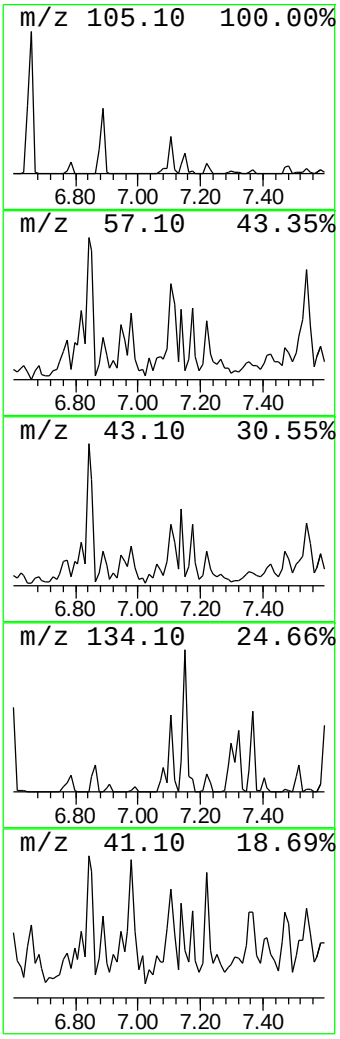
Peak Number 16 Benzene, 1-methyl-3-propyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.10	57.19 ng	1426600	1,4-Dichlorobenzene-d4	6.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	94
2	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	81
3	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	76
4	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	70
5	2-Tolyloxirane	134	C9H10O	002783-26-8	62





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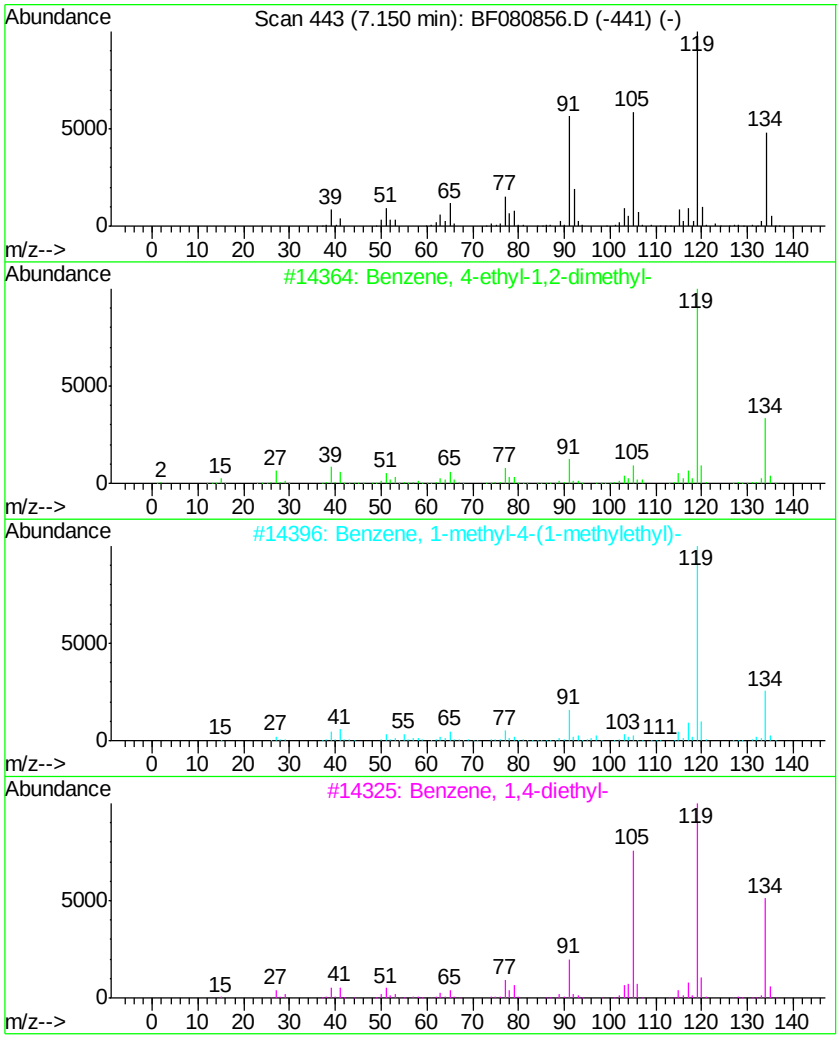
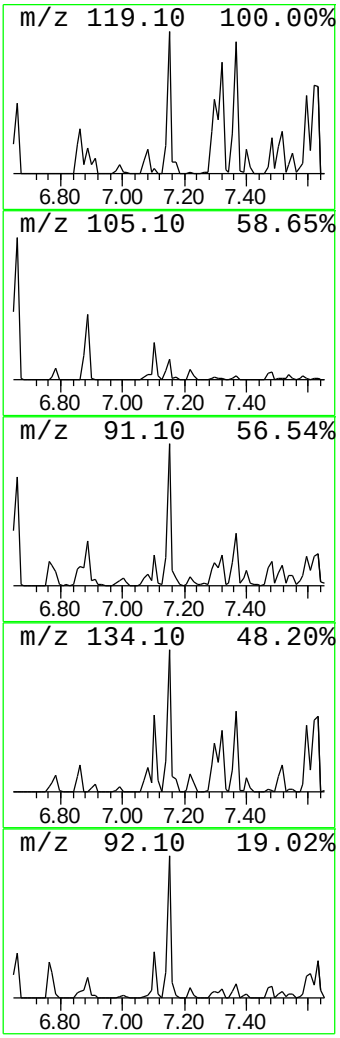
Peak Number 17 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.15	37.68 ng	939900	1,4-Dichlorobenzene-d4	6.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	94
2	Benzene, 1-methyl-4-(1-methyleth...	134	C10H14	000099-87-6	93
3	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	91
4	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	91
5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91





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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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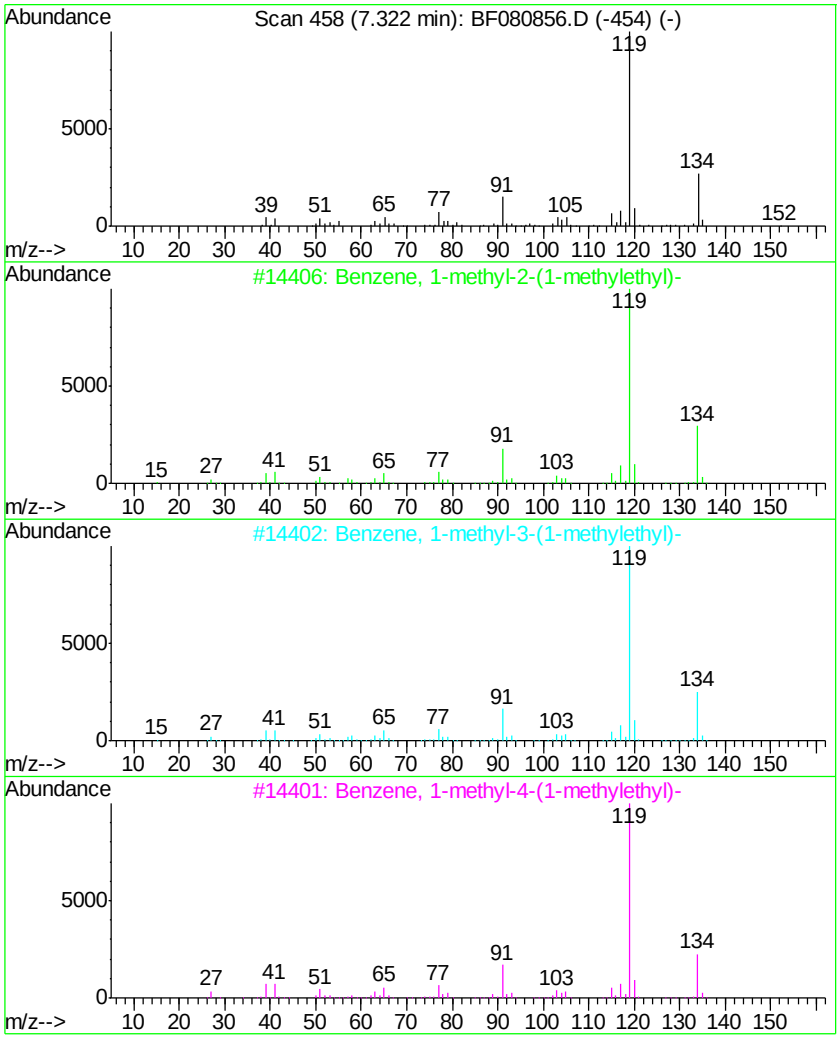
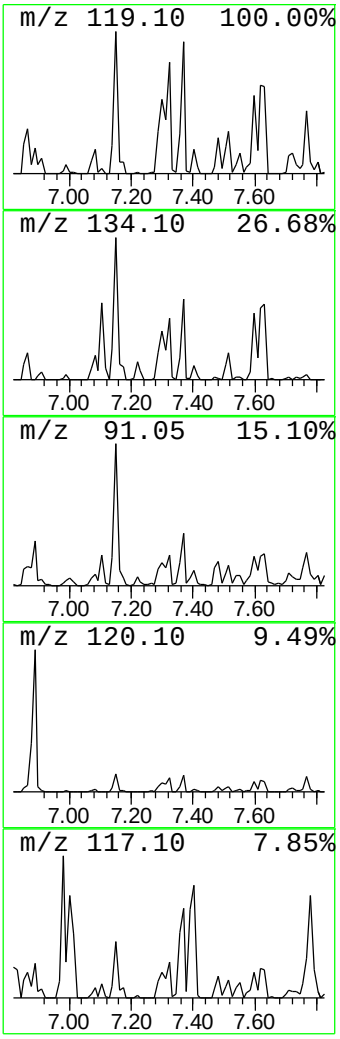
Peak Number 18 Benzene, 1-methyl-2-(1-meth... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.32	26.40 ng	658439	1,4-Dichlorobenzene-d4	6.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	97
2	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
3	Benzene, 1-methyl-4-(1-methyleth...	134	C10H14	000099-87-6	94
4	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94
5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	91





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080415\
Data File : BF080856.D
Acq On : 5 Aug 2015 00:26
Operator : TP/UM
Sample : G3150-06
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TU021-SB-22-17

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF080415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

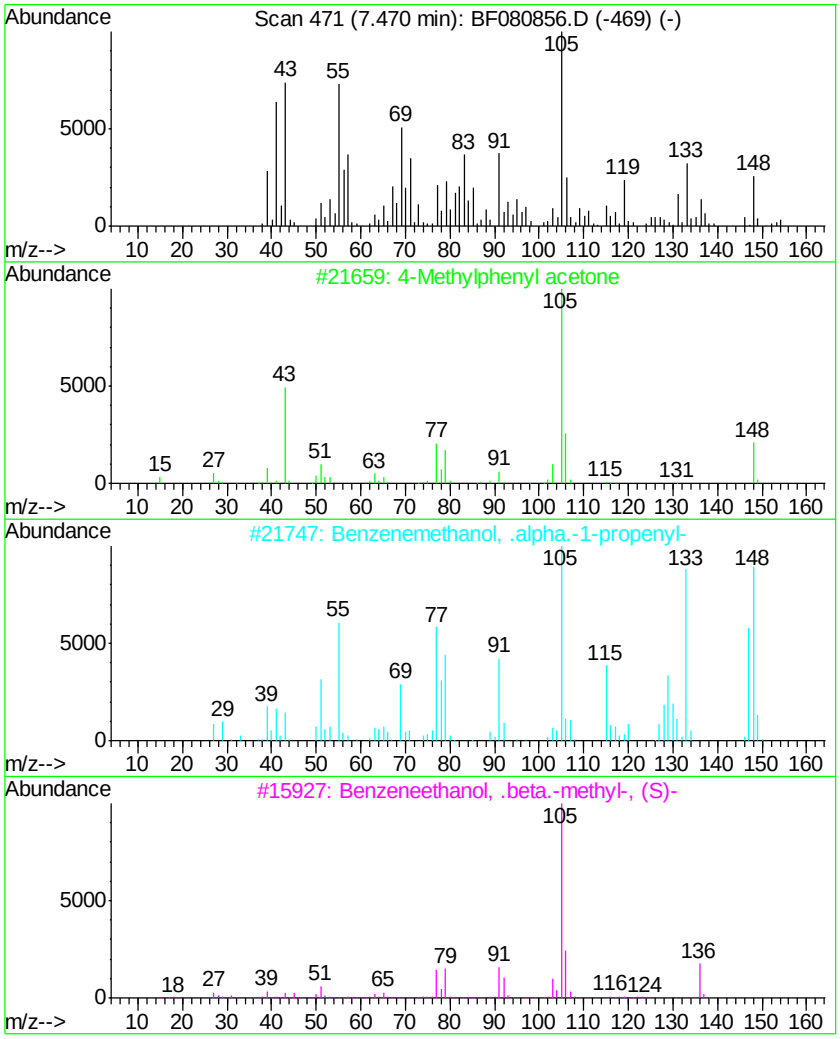
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

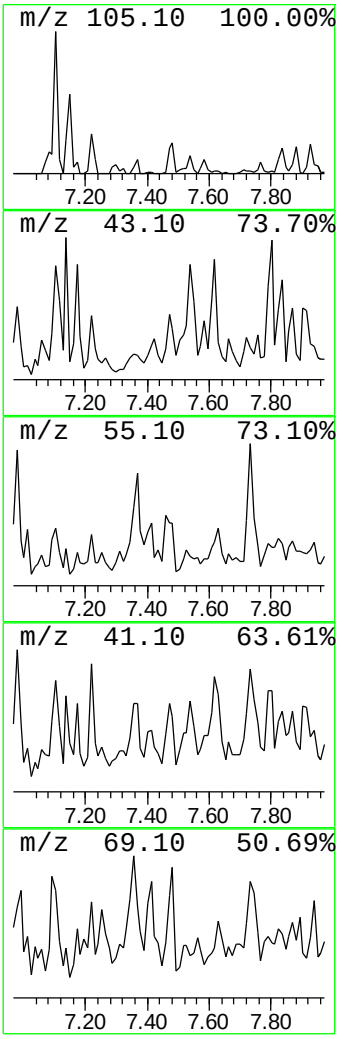
****

Peak Number 19 unknown7.47 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.47	28.07 ng	700192	1,4-Dichlorobenzene-d4	6.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Methylphenyl acetone	148	C10H12O	002096-86-8	42
2	Benzenemethanol, .alpha.-1-prope...	148	C10H12O	003347-57-7	30
3	Benzeneethanol, .beta.-methyl-, ...	136	C9H12O	037778-99-7	30
4	Benzenepropanal, .beta.-methyl-	148	C10H12O	016251-77-7	27
5	3-Buten-2-ol, 4-phenyl-	148	C10H12O	017488-65-2	27





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080415\
Data File : BF080856.D
Acq On : 5 Aug 2015 00:26
Operator : TP/UM
Sample : G3150-06
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TU021-SB-22-17

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF080415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

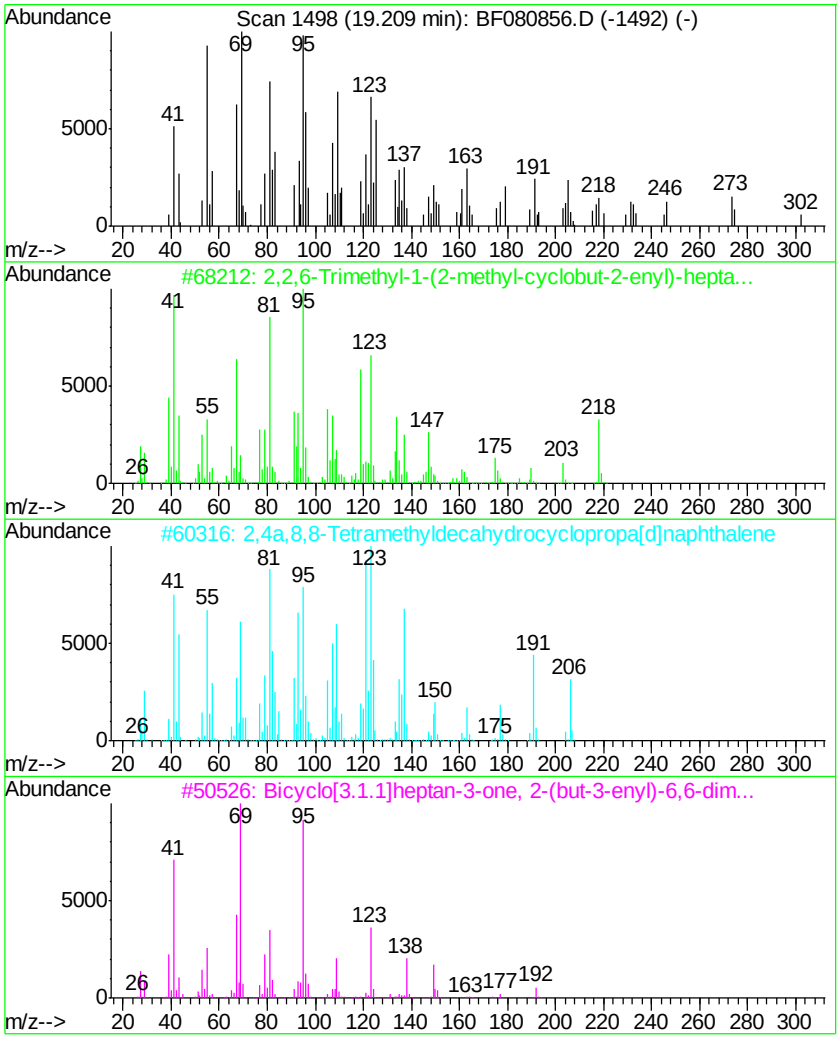
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

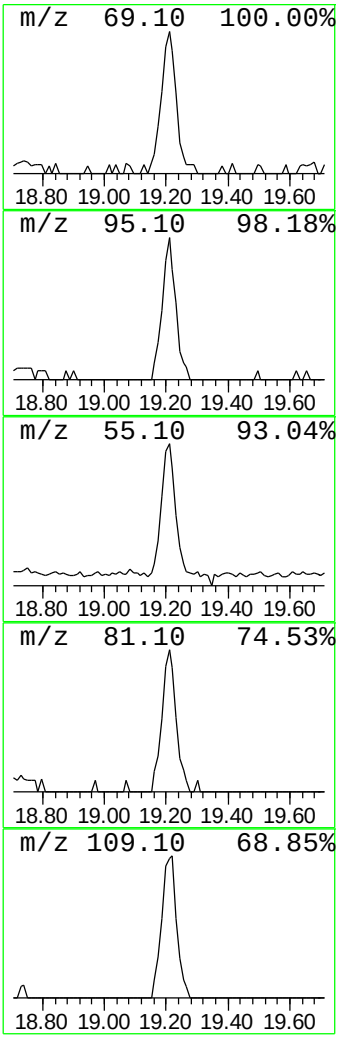
****

Peak Number 20 2,2,6-Trimethyl-1-(2-methyl... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.21	24.72 ng	280904	Perylene-d12	15.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2,6-Trimethyl-1-(2-methyl-cycl...	218	C15H22O	1000188-72-8	50
2	2,4a,8,8-Tetramethyldecahydrocyc...	206	C15H26	074022-04-1	46
3	Bicyclo[3.1.1]heptan-3-one, 2-(b...	192	C13H20O	1000163-96-1	38
4	Cyclohexane, 1-methyl-4-(1-methy...	138	C10H18	001124-27-2	30
5	Sesquirosefuran	218	C15H22O	039007-93-7	27





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080415\
Data File : BF080856.D
Acq On : 5 Aug 2015 00:26
Operator : TP/UM
Sample : G3150-06
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TU021-SB-22-17

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF080415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Heptane, 2-methyl-	3.78	34.8	ng	867497	1	6.83	498871	20.0
Heptane, 3-methyl-	3.94	24.6	ng	613201	1	6.83	498871	20.0
Cyclohexane, 1,4-...	4.09	27.8	ng	694528	1	6.83	498871	20.0
Cyclohexane, ethyl-	4.96	34.4	ng	858791	1	6.83	498871	20.0
unknown5.02	5.02	98.6	ng	2459370	1	6.83	498871	20.0
Acetic acid, 2-et...	5.23	25.1	ng	626451	1	6.83	498871	20.0
unknown5.84	5.84	23.1	ng	576817	1	6.83	498871	20.0
7-Methylbicyclo[4...	5.98	31.0	ng	772247	1	6.83	498871	20.0
Nonane, 3-methyl-	6.08	55.2	ng	1376200	1	6.83	498871	20.0
Benzene, propyl-	6.28	38.5	ng	959802	1	6.83	498871	20.0
Benzene, 1-ethyl-...	6.35	58.6	ng	1461500	1	6.83	498871	20.0
unknown6.59	6.59	103.0	ng	2567980	1	6.83	498871	20.0
Benzene, 1,2,3-tr...	6.66	84.3	ng	2101850	1	6.83	498871	20.0
Benzene, (1-methy...	6.89	38.3	ng	954833	1	6.83	498871	20.0
Benzene, 1-methyl...	7.10	57.2	ng	1426600	1	6.83	498871	20.0
Benzene, 4-ethyl-...	7.15	37.7	ng	939900	1	6.83	498871	20.0
Benzene, 1-methyl...	7.32	26.4	ng	658439	1	6.83	498871	20.0
unknown7.47	7.47	28.1	ng	700192	1	6.83	498871	20.0
2,2,6-Trimethyl-1...	19.21	24.7	ng	280904	6	15.37	227226	20.0