LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM121015\
Data File : BM003476.D
Acq On : 11 Dec 2015 05:22
Operator : UM/IZ
Sample : G4725-05
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SB5A(9-10)

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_M\METHODS\8270-BM120915.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	3.416	47	56	58	rBV	572363	753731	14.88%	0.543%
2	3.446	58	61	67	rVV	599858	831593	16.42%	0.599%
3	3.681	93	101	112	rVB2	1635098	2614471	51.63%	1.885%
4	3.775	112	117	123	rBV	2101469	3392004	66.98%	2.445%
5	3.828	123	126	135	rVB3	695945	1471952	29.07%	1.061%
6	3.928	135	143	153	rVB	1108855	2237683	44.19%	1.613%
7	4.034	153	161	165	rBV	639434	961118	18.98%	0.693%
8	4.099	165	172	176	rBV3	487455	894947	17.67%	0.645%
9	4.234	191	195	205	rVB3	564770	1073389	21.20%	0.774%
10	4.469	230	235	240	rVB3	390513	703842	13.90%	0.507%
11	4.569	247	252	260	rVB2	339646	670873	13.25%	0.484%
12	4.669	260	269	275	rBV3	701616	1387379	27.40%	1.000%
13	4.763	281	285	290	rBV	811871	1274501	25.17%	0.919%
14	4.840	294	298	301	rVB3	368003	482532	9.53%	0.348%
15	4.875	301	304	308	rVB2	406606	524959	10.37%	0.378%
16	4.928	308	313	318	rBV2	700684	1152095	22.75%	0.830%
17	4.987	318	323	330	rVB3	365788	636945	12.58%	0.459%
18	5.087	336	340	344	rBV	431706	607589	12.00%	0.438%
19	5.175	350	355	359	rBV3	973279	1767341	34.90%	1.274%
20	5.310	370	378	384	rVB2	2558370	4299278	84.90%	3.099%
21	5.375	384	389	391	rBV2	458674	735878	14.53%	0.530%
22	5.504	406	411	413	rBV	468850	688423	13.59%	0.496%
23	5.528	413	415	421	rVV2	469717	716376	14.15%	0.516%
24	5.599	421	427	431	rVV4	516443	991921	19.59%	0.715%
25	5.681	436	441	445	rVV	525739	891605	17.61%	0.643%
26	5.722	445	448	449	rVV	382409	480876	9.50%	0.347%
27	5.746	449	452	458	rVB2	601226	953759	18.83%	0.687%
28	5.822	458	465	472	rVB4	254686	558794	11.03%	0.403%
29	5.910	472	480	482	rBV3	232745	476034	9.40%	0.343%
30	5.999	488	495	502	rBV3	980504	2032696	40.14%	1.465%
31	6.116	508	515	525	rBV3	544970	1432902	28.30%	1.033%
32	6.210	525	531	539	rVV3	817158	1972497	38.95%	1.422%
33	6.287	539	544	548	rVV	1118316	1809273	35.73%	1.304%
34	6.363	548	557	560	rVV4	956933	2242101	44.28%	1.616%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM121015\
Data File : BM003476.D
Acq On : 11 Dec 2015 05:22
Operator : UM/IZ
Sample : G4725-05
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SB5A(9-10)

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_M\METHODS\8270-BM120915.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	6.393	560	562	568	rVV	916615	1250611	24.70%	0.901%
36	6.475	568	576	581	rVV7	275012	900282	17.78%	0.649%
37	6.716	607	617	623	rBV3	2281018	5063983	100.00%	3.650%
38	6.775	623	627	631	rVB	900443	1224960	24.19%	0.883%
39	6.822	631	635	638	rBV3	454762	680677	13.44%	0.491%
40	6.893	638	647	653	rVV3	1822661	4227616	83.48%	3.047%
41	6.951	653	657	665	rVB4	276306	529994	10.47%	0.382%
42	7.057	669	675	679	rBV3	281889	564338	11.14%	0.407%
43	7.110	679	684	692	rVB	701272	1210529	23.90%	0.873%
44	7.210	698	701	704	rVV2	347126	531356	10.49%	0.383%
45	7.257	704	709	720	rVB	1647320	3333298	65.82%	2.403%
46	7.346	720	724	726	rBV2	322487	441197	8.71%	0.318%
47	7.440	732	740	746	rVB6	213978	602216	11.89%	0.434%
48	7.622	767	771	779	rVV3	481428	1262958	24.94%	0.910%
49	7.704	779	785	792	rVB2	1268617	2354189	46.49%	1.697%
50	7.793	792	800	804	rBV4	369425	816826	16.13%	0.589%
51	7.840	804	808	815	rBV	603524	1030617	20.35%	0.743%
52	7.910	816	820	823	rVV2	533671	728918	14.39%	0.525%
53	7.951	823	827	830	rVV2	556911	891064	17.60%	0.642%
54	8.010	834	837	839	rVV	476239	735593	14.53%	0.530%
55	8.045	839	843	848	rVV	1061493	1936722	38.25%	1.396%
56	8.093	848	851	856	rVB	440437	657519	12.98%	0.474%
57	8.216	866	872	875	rBV	857836	1447964	28.59%	1.044%
58	8.257	875	879	885	rVV2	857080	1814452	35.83%	1.308%
59	8.310	885	888	892	rVB	617435	836490	16.52%	0.603%
60	8.369	892	898	910	rVB4	1409304	3988034	78.75%	2.875%
61	8.487	912	918	921	rBV	748718	1157542	22.86%	0.834%
62	8.528	921	925	932	rVB	631412	1136585	22.44%	0.819%
63	8.828	965	976	981	rBV	2585725	4856131	95.90%	3.500%
64	8.887	981	986	987	rBV	716877	962176	19.00%	0.694%
65	8.945	994	996	1001	rVB	491811	639107	12.62%	0.461%
66	9.075	1013	1018	1024	rVB3	538480	1143870	22.59%	0.825%
67	9.157	1026	1032	1037	rBV3	440888	1038699	20.51%	0.749%
68	9.304	1051	1057	1060	rBV4	253819	459250	9.07%	0.331%
69	9.351	1060	1065	1071	rVV	1468495	2515314	49.67%	1.813%
70	9.434	1073	1079	1084	rVB4	235306	555365	10.97%	0.400%
71	9.604	1101	1108	1112	rBV2	767475	1335577	26.37%	0.963%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM121015\
Data File : BM003476.D
Acq On : 11 Dec 2015 05:22
Operator : UM/IZ
Sample : G4725-05
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SB5A(9-10)

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_M\METHODS\8270-BM120915.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	9.651	1112	1116	1120	rVV3	441657	726636	14.35%	0.524%
73	9.710	1120	1126	1131	rVV4	509680	1297704	25.63%	0.935%
74	9.769	1131	1136	1139	rVV2	1051722	1875785	37.04%	1.352%
75	9.798	1139	1141	1148	rVB2	787257	1167063	23.05%	0.841%
76	9.863	1148	1152	1156	rBV2	420146	676685	13.36%	0.488%
77	9.916	1156	1161	1170	rVV3	1565056	3467411	68.47%	2.499%
78	9.987	1170	1173	1179	rVV2	536759	873121	17.24%	0.629%
79	10.098	1187	1192	1198	rVV3	669728	1220998	24.11%	0.880%
80	10.216	1206	1212	1221	rVB	850739	1426896	28.18%	1.029%
81	10.434	1243	1249	1252	rVV3	453294	970487	19.16%	0.700%
82	10.498	1252	1260	1266	rVV3	1410450	3637668	71.83%	2.622%
83	10.563	1266	1271	1278	rVV3	1144092	2432877	48.04%	1.754%
84	10.628	1278	1282	1287	rVV	777289	1334158	26.35%	0.962%
85	10.675	1287	1290	1295	rVV	426084	624367	12.33%	0.450%
86	10.734	1295	1300	1307	rVV	532818	890486	17.58%	0.642%
87	10.928	1329	1333	1339	rVV2	252463	510895	10.09%	0.368%
88	11.175	1370	1375	1378	rVV	431711	657380	12.98%	0.474%
89	11.216	1378	1382	1389	rVB5	301937	712778	14.08%	0.514%
90	11.428	1411	1418	1424	rVB	748242	1281574	25.31%	0.924%
91	11.622	1446	1451	1457	rVB	329028	558471	11.03%	0.403%
92	12.398	1576	1583	1594	rBV	425997	886451	17.51%	0.639%
93	12.992	1674	1684	1690	rBV	1874344	2967087	58.59%	2.139%
94	13.827	1821	1826	1830	rBV	313278	467394	9.23%	0.337%
95	14.374	1909	1919	1926	rBV2	517106	879068	17.36%	0.634%
96	15.863	2165	2172	2180	rBV	1490973	2233827	44.11%	1.610%
97	17.121	2380	2386	2390	rBV2	602525	892171	17.62%	0.643%
98	19.756	2828	2834	2839	rVB	2487112	3389765	66.94%	2.443%
99	21.309	3092	3098	3103	rBV	805761	1050038	20.74%	0.757%
100	23.562	3474	3481	3497	rVB	546537	1039794	20.53%	0.749%

Sum of corrected areas: 138732411

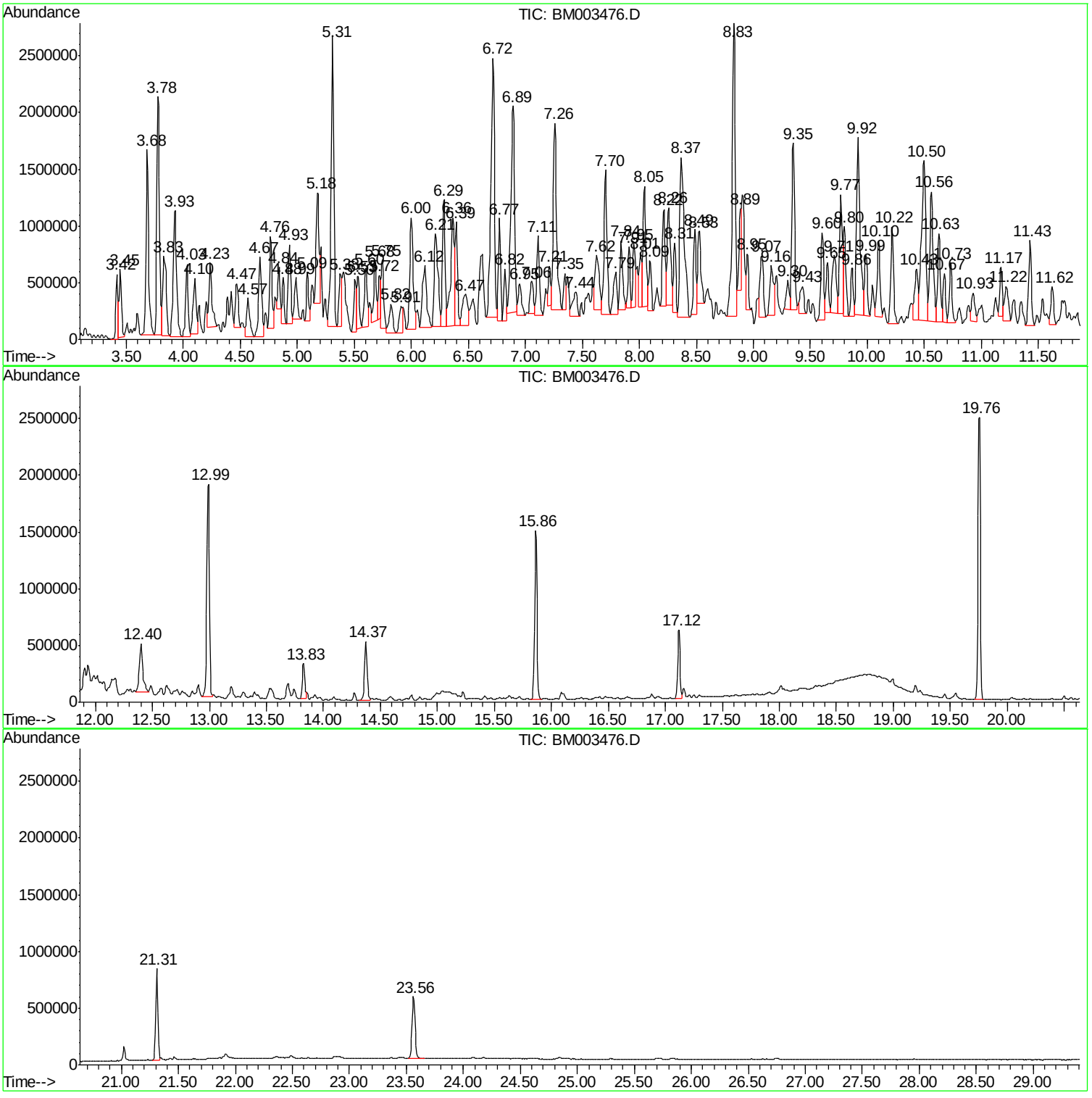
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA M\DATA\BM121015\
Data File : BM003476.D
Acq On : 11 Dec 2015 05:22
Operator : UM/IZ
Sample : G4725-05
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SB5A(9-10)

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-BM120915.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 M\DATA\BM121015\
Data File : BM003476.D
Acq On : 11 Dec 2015 05:22
Operator : UM/IZ
Sample : G4725-05
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SB5A(9-10)

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-BM120915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

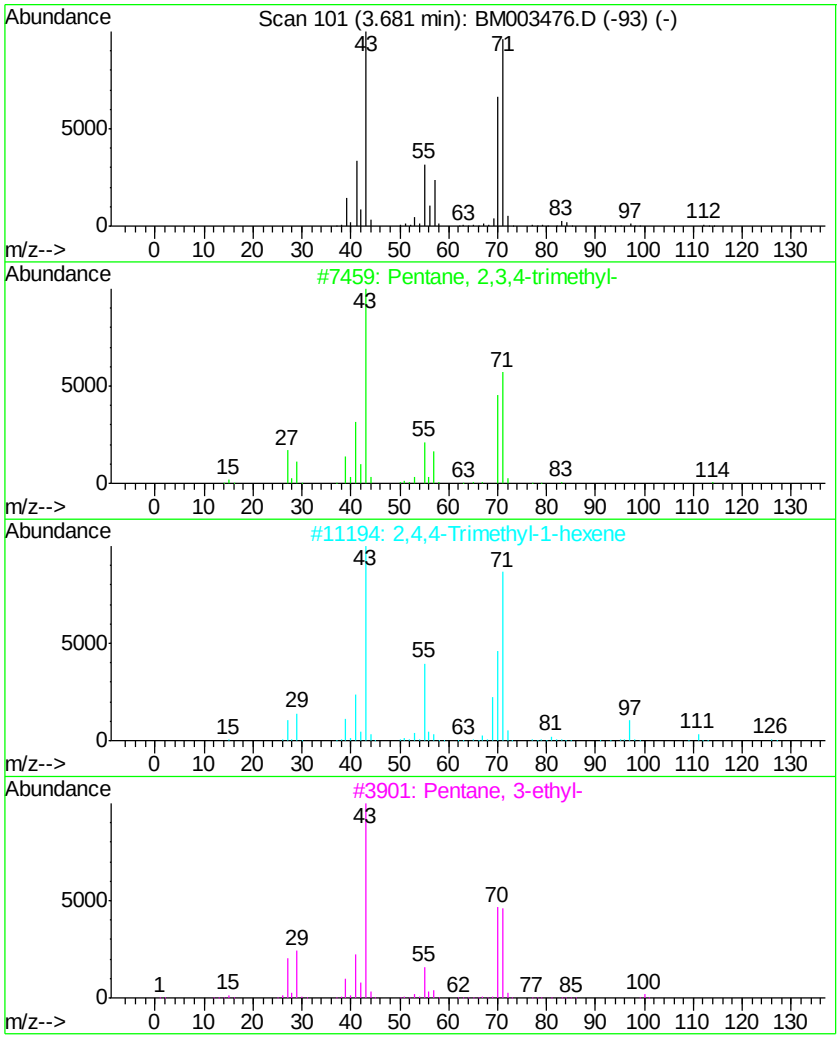
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

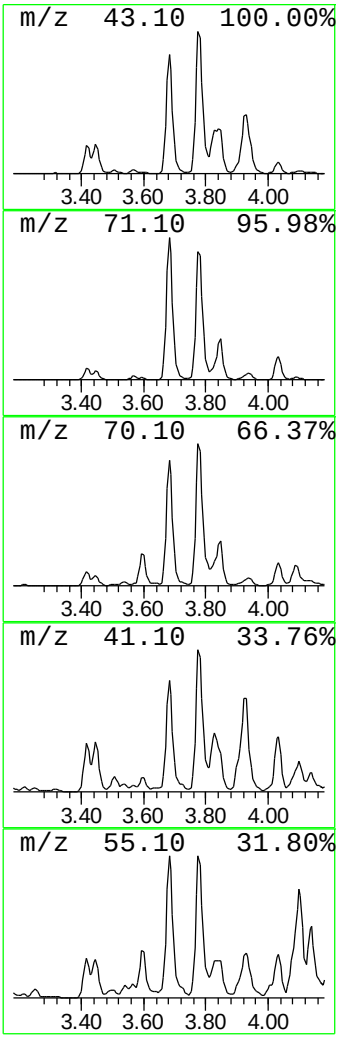
****

Peak Number 1 Pentane, 2,3,4-trimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.68	22.21 ng	2614470	1,4-Dichlorobenzene-d4	7.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	86
2	2,4,4-Trimethyl-1-hexene	126	C9H18	051174-12-0	78
3	Pentane, 3-ethyl-	100	C7H16	000617-78-7	78
4	Hexane, 3-methyl-	100	C7H16	000589-34-4	72
5	Heptane, 4-methyl-	114	C8H18	000589-53-7	64





Data Path : Z:\HPCHEM1\BNA M\DATA\BM121015\
Data File : BM003476.D
Acq On : 11 Dec 2015 05:22
Operator : UM/IZ
Sample : G4725-05
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SB5A(9-10)

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-BM120915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

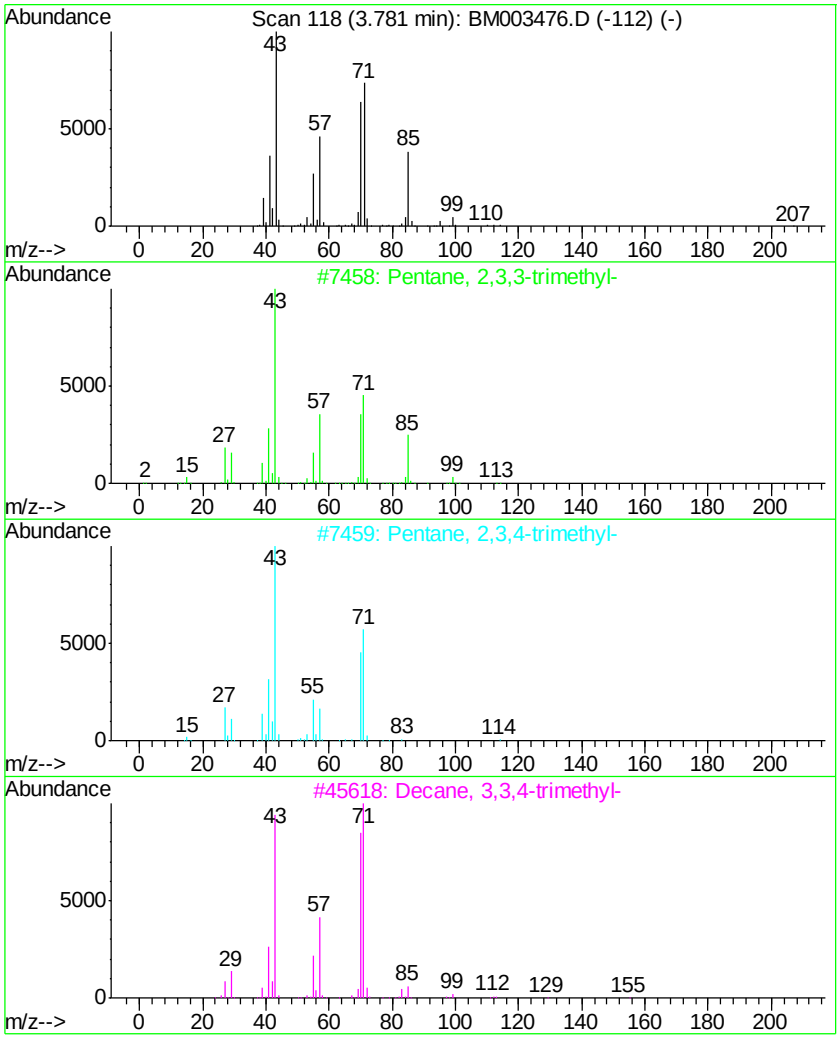
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

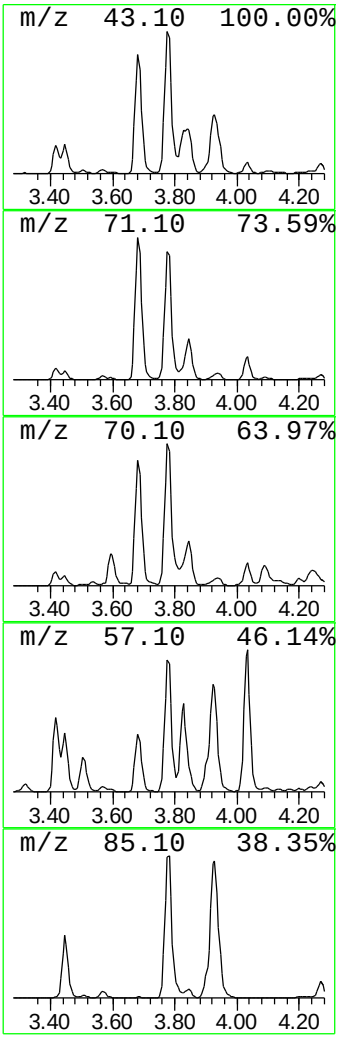
****

Peak Number 2 Pentane, 2,3,3-trimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.78	28.82 ng	3392000	1,4-Dichlorobenzene-d4	7.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	90
2	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	74
3	Decane, 3,3,4-trimethyl-	184	C13H28	049622-18-6	72
4	Heptane, 4-methyl-	114	C8H18	000589-53-7	72
5	Heptane, 3,3,4-trimethyl-	142	C10H22	020278-87-9	64





Data Path : Z:\HPCHEM1\BNA M\DATA\BM121015\
Data File : BM003476.D
Acq On : 11 Dec 2015 05:22
Operator : UM/IZ
Sample : G4725-05
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SB5A(9-10)

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-BM120915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

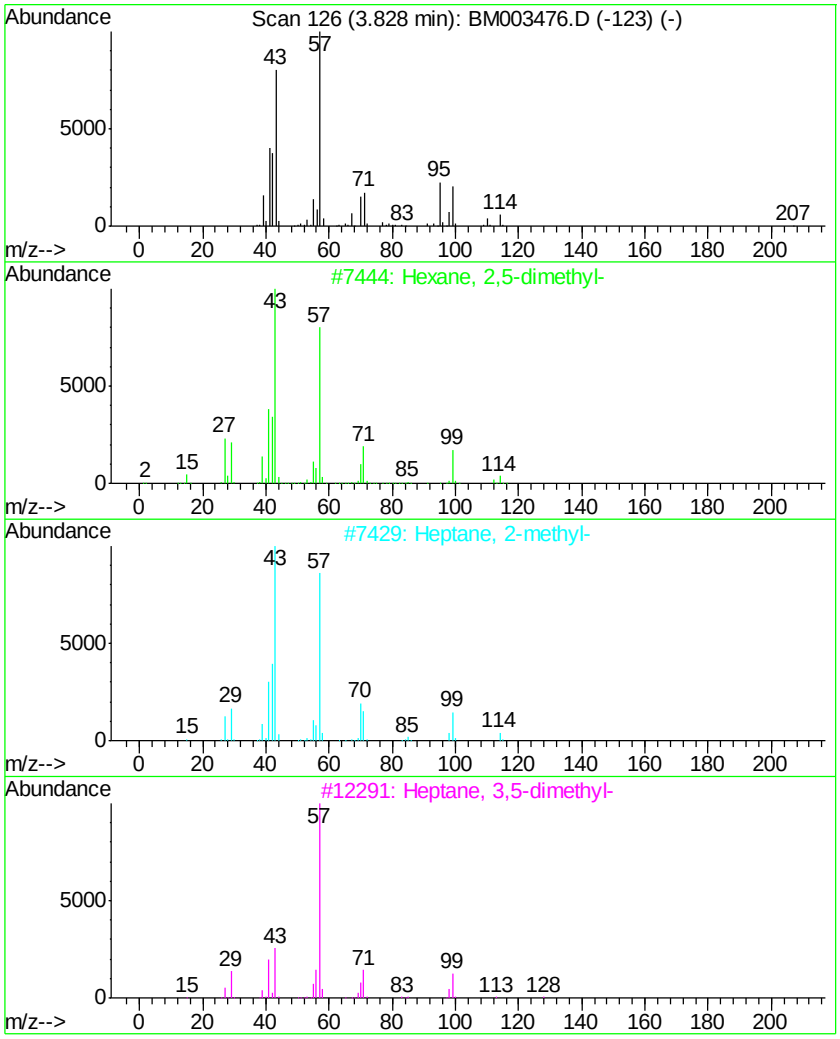
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

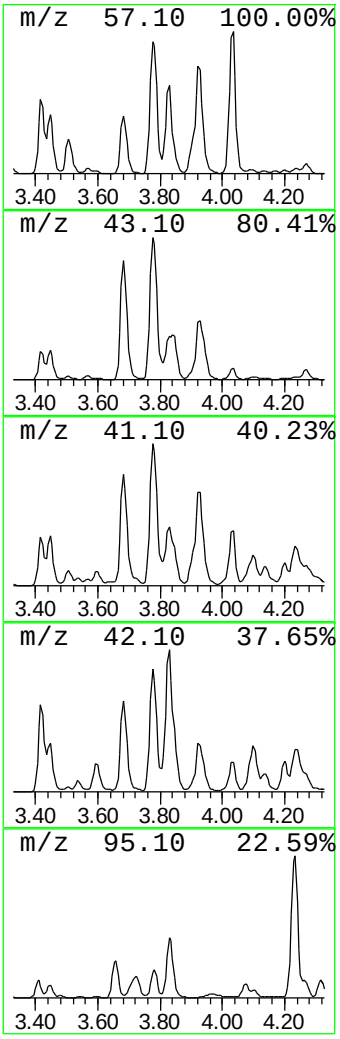
****

Peak Number 3 Hexane, 2,5-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.83	12.51 ng	1471950	1,4-Dichlorobenzene-d4	7.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	70
2	Heptane, 2-methyl-	114	C8H18	000592-27-8	62
3	Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	43
4	Heptane, 2,3,6-trimethyl-	142	C10H22	004032-93-3	43
5	1-Pyrrolidinecarboxaldehyde	99	C5H9NO	003760-54-1	38





Data Path : Z:\HPCHEM1\BNA M\DATA\BM121015\
Data File : BM003476.D
Acq On : 11 Dec 2015 05:22
Operator : UM/IZ
Sample : G4725-05
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SB5A(9-10)

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-BM120915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

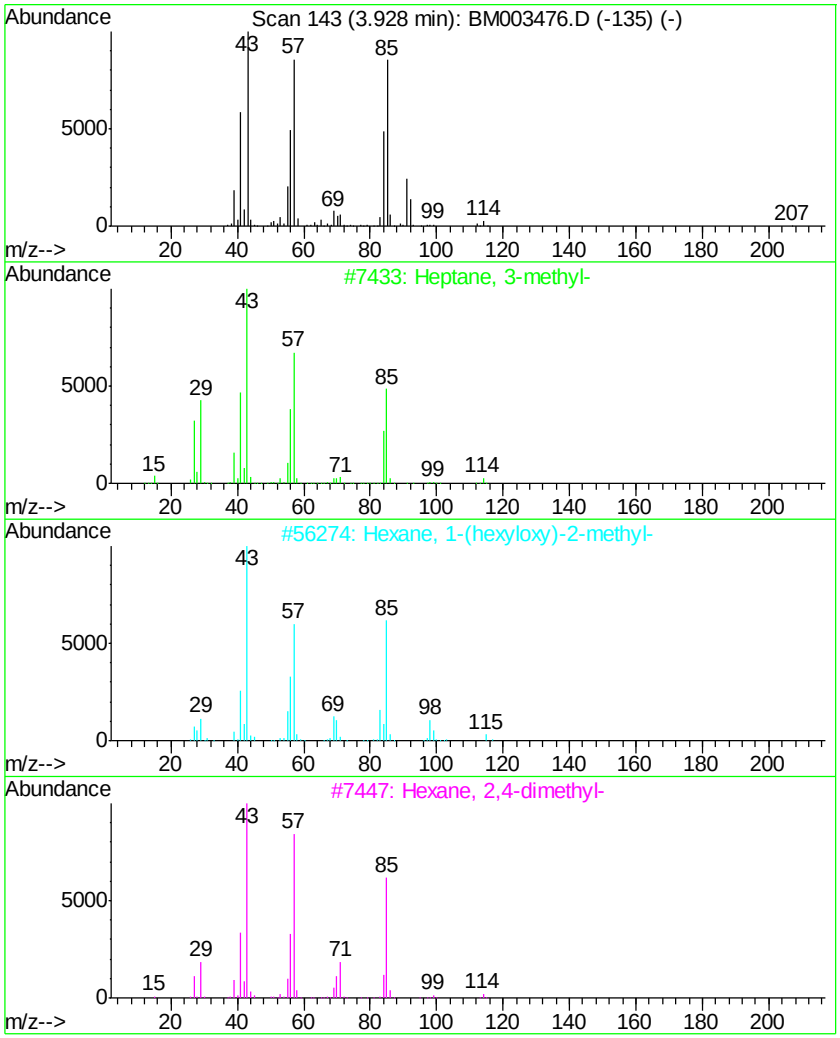
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

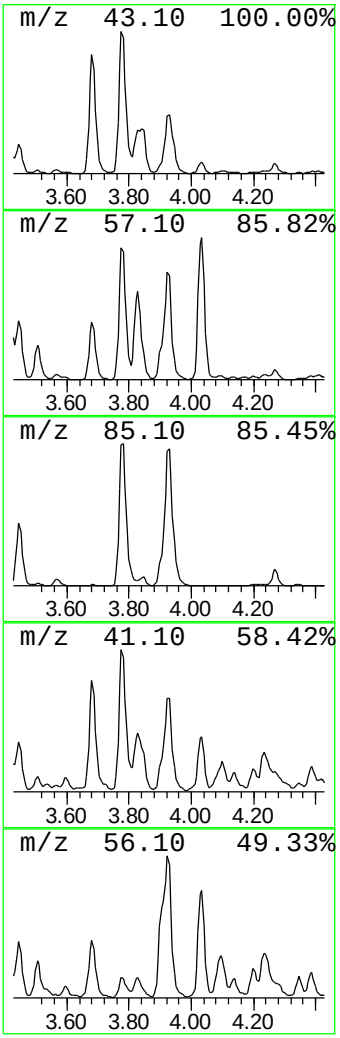
****

Peak Number 4 Heptane, 3-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.93	19.01 ng	2237680	1,4-Dichlorobenzene-d4	7.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-methyl-	114	C8H18	000589-81-1	90
2	Hexane, 1-(hexyloxy)-2-methyl-	200	C13H28O	074421-17-3	59
3	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	58
4	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	53
5	Pentane, 3-ethyl-2,4-dimethyl-	128	C9H20	001068-87-7	53





Data Path : Z:\HPCHEM1\BNA M\DATA\BM121015\
Data File : BM003476.D
Acq On : 11 Dec 2015 05:22
Operator : UM/IZ
Sample : G4725-05
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SB5A(9-10)

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-BM120915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

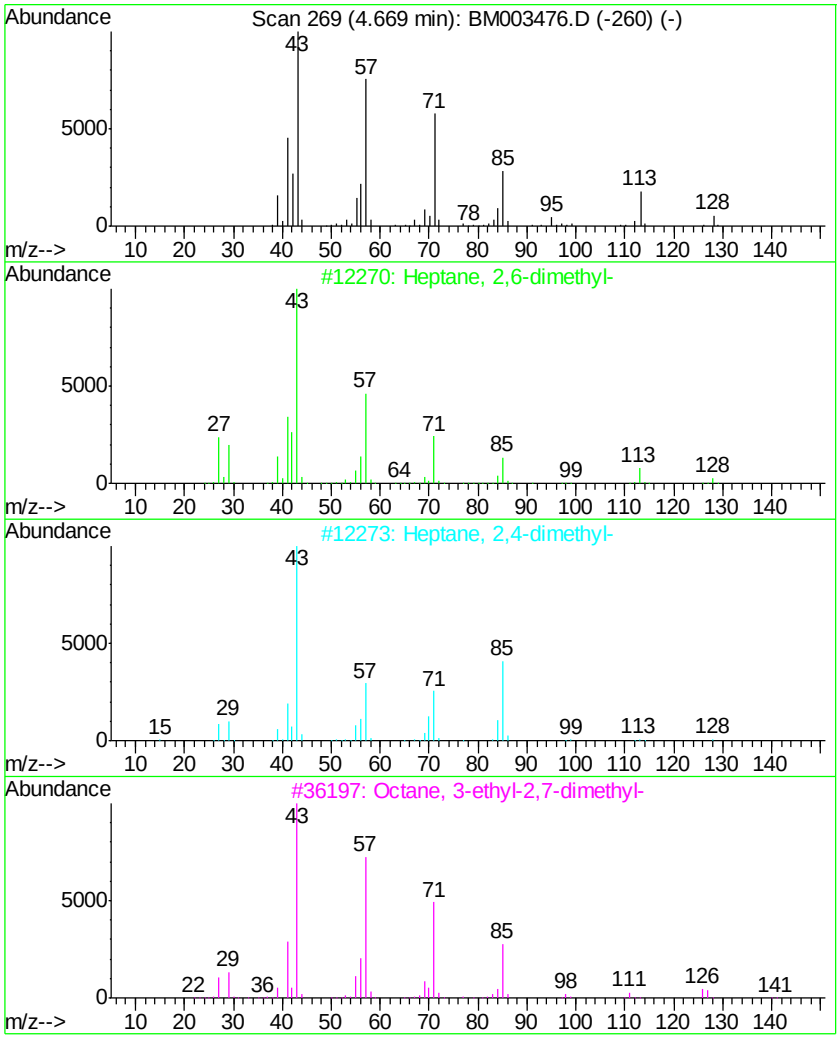
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

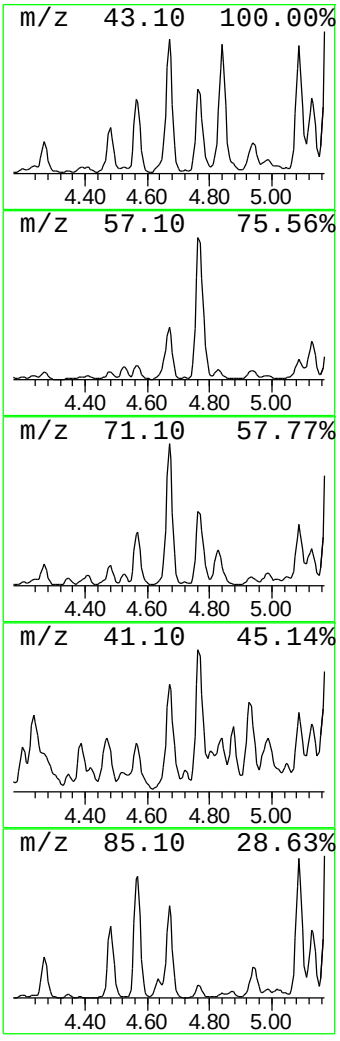
****

Peak Number 5 Heptane, 2,6-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.67	11.79 ng	1387380	1,4-Dichlorobenzene-d4	7.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,6-dimethyl-	128	C9H20	001072-05-5	91
2	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	59
3	Octane, 3-ethyl-2,7-dimethyl-	170	C12H26	062183-55-5	53
4	Nonane	128	C9H20	000111-84-2	52
5	Octane, 2-methyl-	128	C9H20	003221-61-2	49





Data Path : Z:\HPCHEM1\BNA M\DATA\BM121015\
Data File : BM003476.D
Acq On : 11 Dec 2015 05:22
Operator : UM/IZ
Sample : G4725-05
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SB5A(9-10)

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-BM120915.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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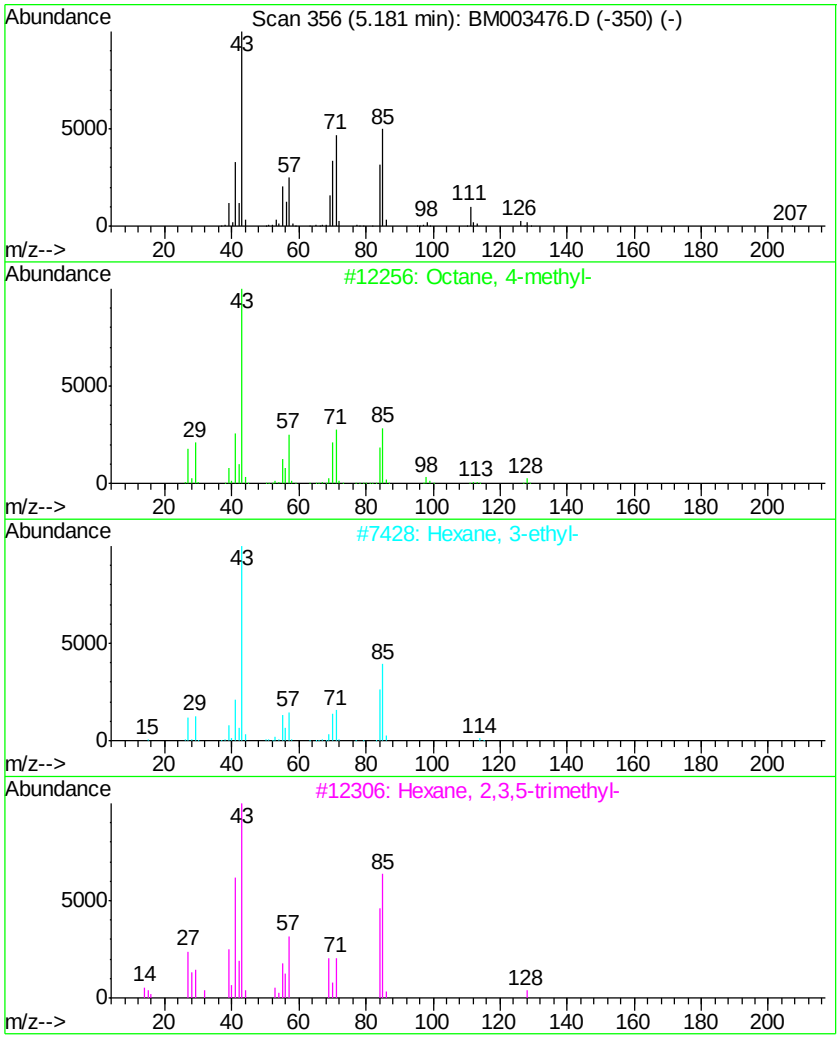
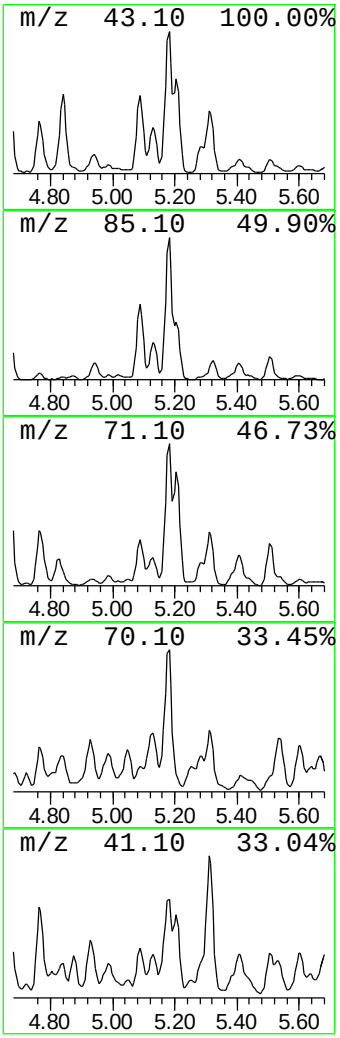
Peak Number 6 Octane, 4-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.18	15.01 ng	1767340	1,4-Dichlorobenzene-d4	7.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 4-methyl-	128	C9H20	002216-34-4	83
2	Hexane, 3-ethyl-	114	C8H18	000619-99-8	58
3	Hexane, 2,3,5-trimethyl-	128	C9H20	001069-53-0	55
4	Undecane, 5,7-dimethyl-	184	C13H28	017312-83-3	53
5	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	47





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Acq On : 11 Dec 2015 05:22
Operator : UM/IZ
Sample : G4725-05
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SB5A(9-10)

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-BM120915.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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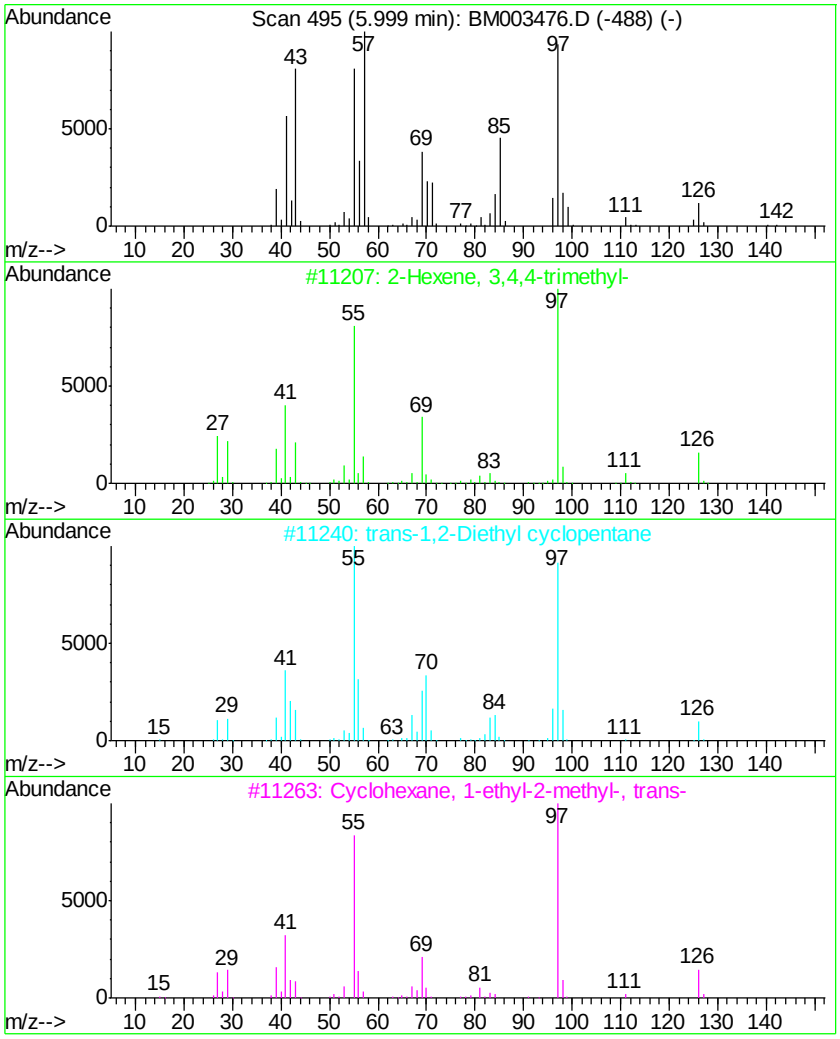
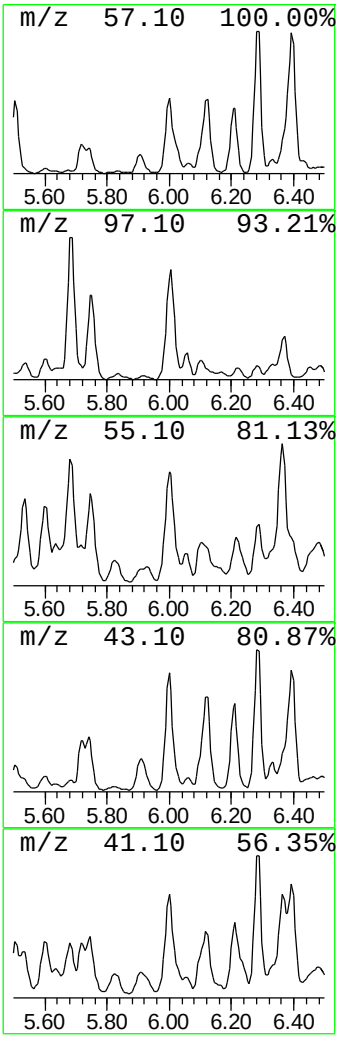
Peak Number 7 unknown6.00 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.00	17.27 ng	2032700	1,4-Dichlorobenzene-d4	7.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hexene, 3,4,4-trimethyl-	126	C9H18	053941-19-8	38
2	trans-1,2-Diethyl cyclopentane	126	C9H18	000932-40-1	38
3	Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-78-8	38
4	Cyclohexane, 1-methyl-2-propyl-	140	C10H20	004291-79-6	35
5	3,5-Dimethyl-3-heptene	126	C9H18	059643-68-4	35





Data Path : Z:\HPCHEM1\BNA M\DATA\BM121015\
Data File : BM003476.D
Acq On : 11 Dec 2015 05:22
Operator : UM/IZ
Sample : G4725-05
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SB5A(9-10)

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-BM120915.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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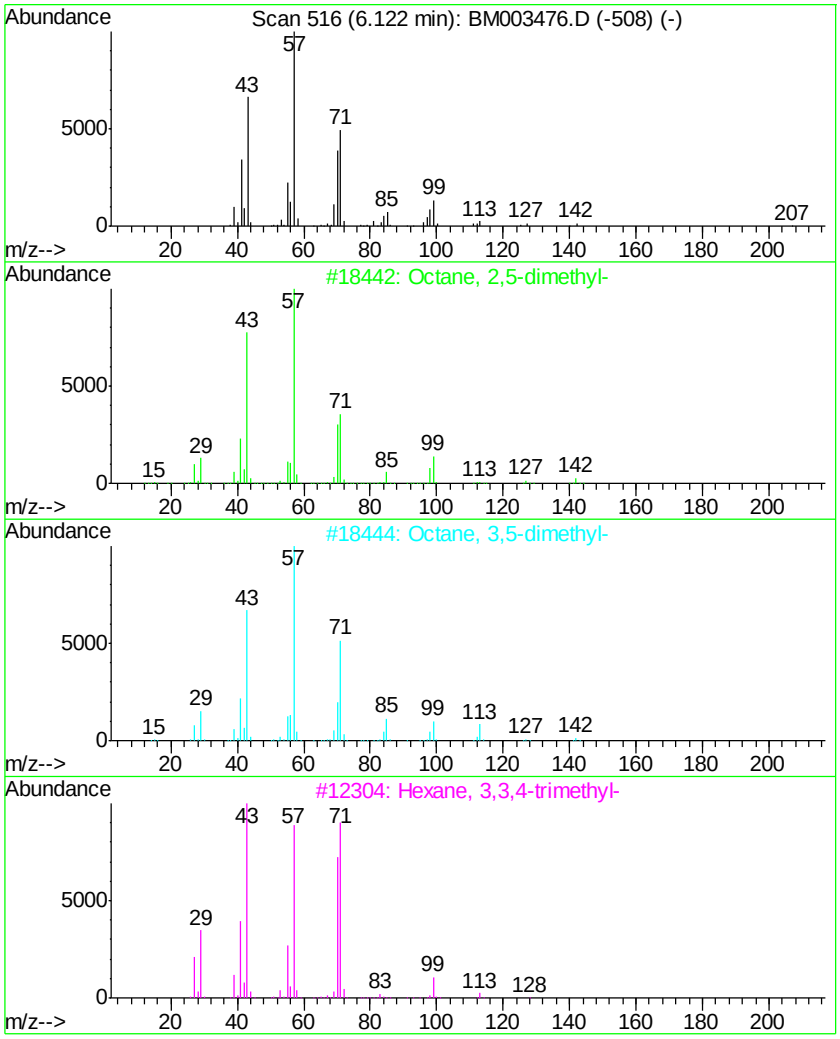
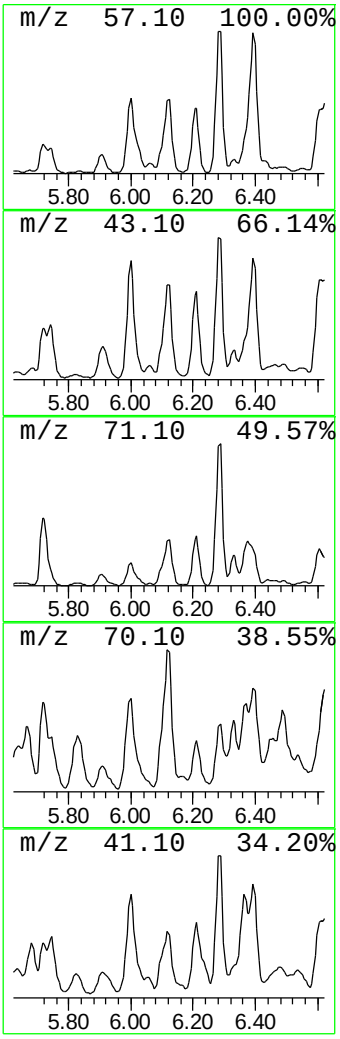
Peak Number 8 Octane, 2,5-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.12	12.17 ng	1432900	1,4-Dichlorobenzene-d4	7.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,5-dimethyl-	142	C10H22	015869-89-3	83
2	Octane, 3,5-dimethyl-	142	C10H22	015869-93-9	62
3	Hexane, 3,3,4-trimethyl-	128	C9H20	016747-31-2	47
4	Hexane, 3-methyl-	100	C7H16	000589-34-4	47
5	Hexane, 4-ethyl-2-methyl-	128	C9H20	003074-75-7	43





Data Path : Z:\HPCHEM1\BNA M\DATA\BM121015\
Data File : BM003476.D
Acq On : 11 Dec 2015 05:22
Operator : UM/IZ
Sample : G4725-05
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SB5A(9-10)

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-BM120915.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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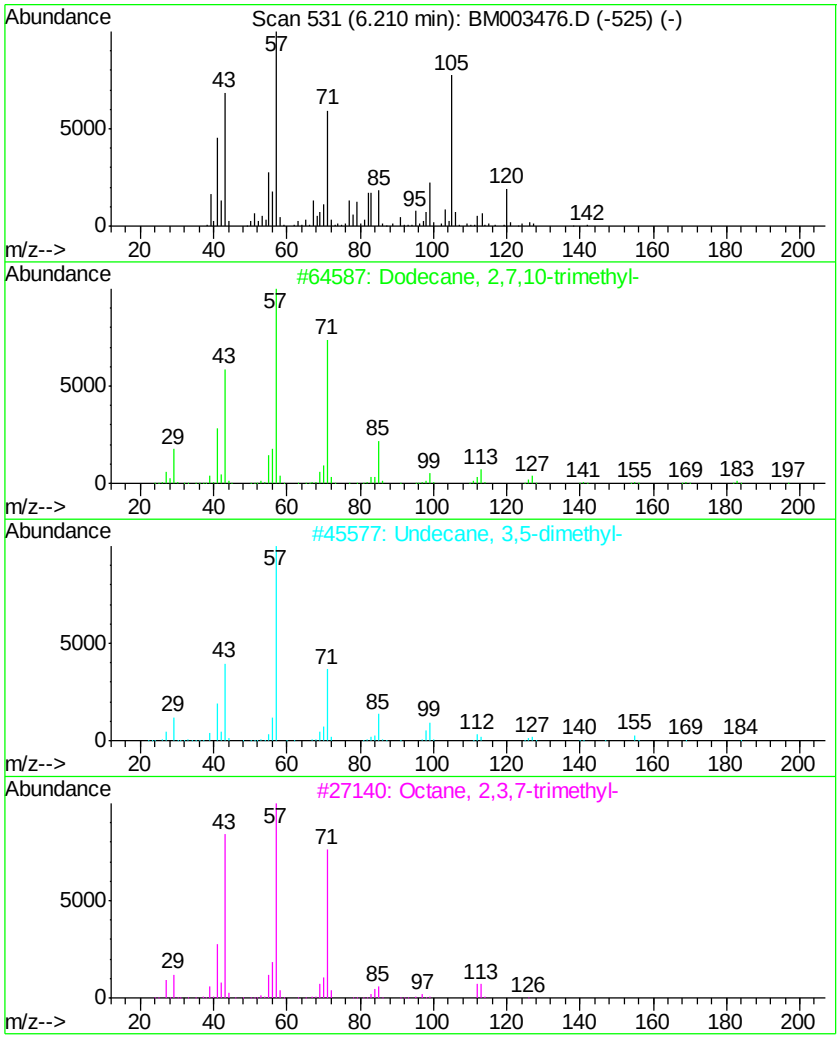
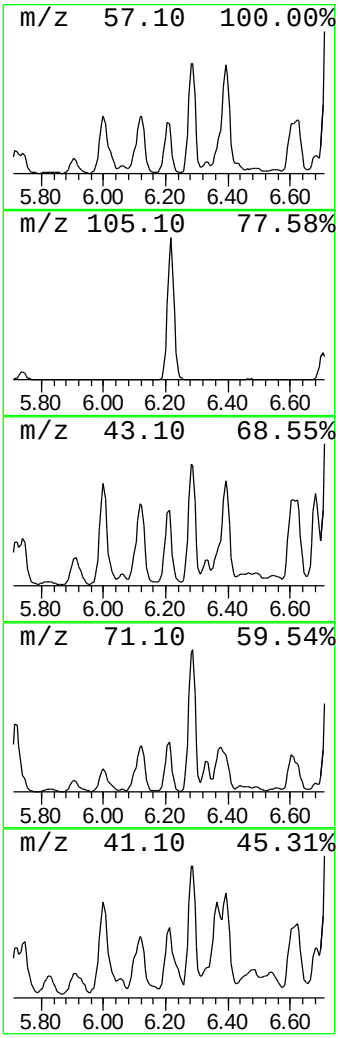
Peak Number 9 unknown6.21 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.21	16.76 ng	1972500	1,4-Dichlorobenzene-d4	7.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	46
2	Undecane, 3,5-dimethyl-	184	C13H28	017312-81-1	43
3	Octane, 2,3,7-trimethyl-	156	C11H24	062016-34-6	43
4	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	43
5	Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	35





Data Path : Z:\HPCHEM1\BNA M\DATA\BM121015\
Data File : BM003476.D
Acq On : 11 Dec 2015 05:22
Operator : UM/IZ
Sample : G4725-05
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SB5A(9-10)

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-BM120915.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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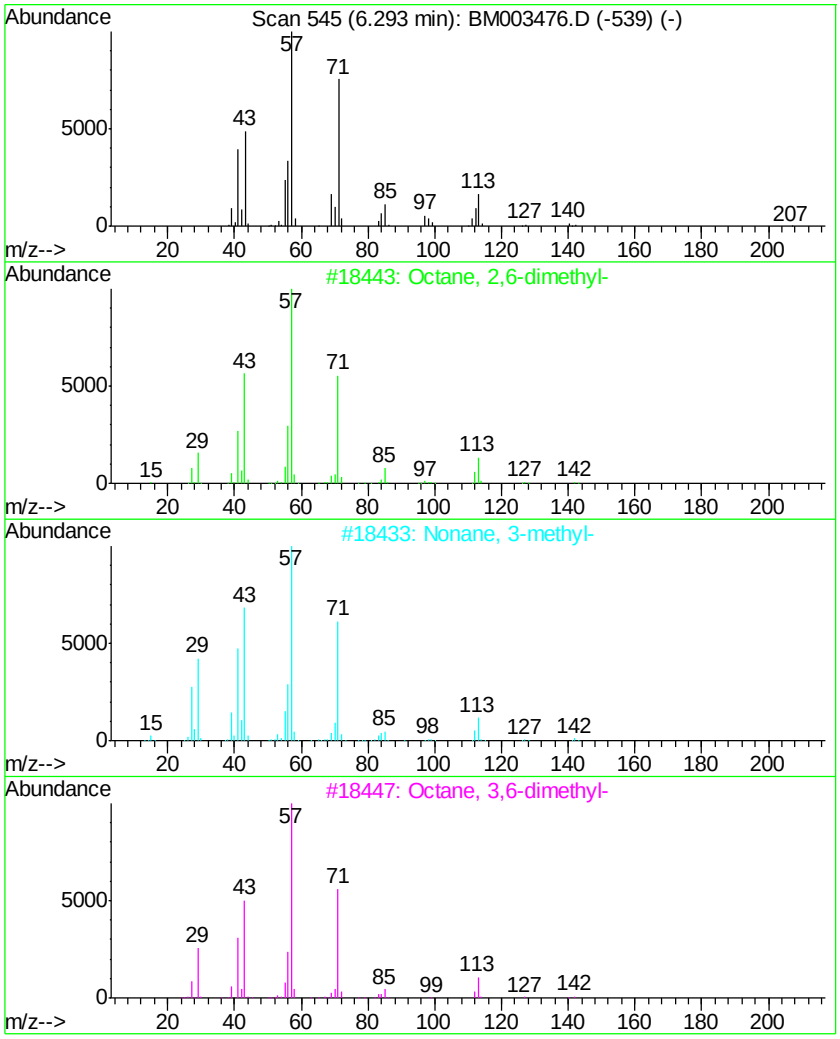
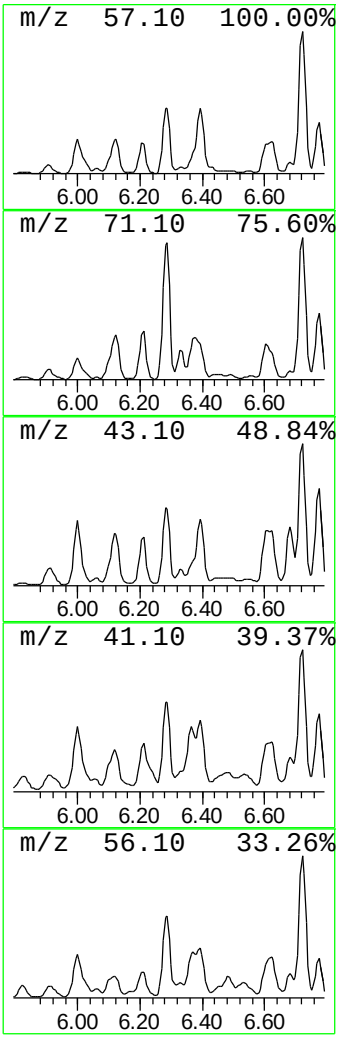
Peak Number 10 Octane, 2,6-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.29	15.37 ng	1809270	1,4-Dichlorobenzene-d4	7.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	91
2	Nonane, 3-methyl-	142	C10H22	005911-04-6	91
3	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	86
4	Undecane, 6,6-dimethyl-	184	C13H28	017312-76-4	72
5	Undecane, 4,5-dimethyl-	184	C13H28	017312-79-7	72





Data Path : Z:\HPCHEM1\BNA M\DATA\BM121015\
Data File : BM003476.D
Acq On : 11 Dec 2015 05:22
Operator : UM/IZ
Sample : G4725-05
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SB5A(9-10)

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-BM120915.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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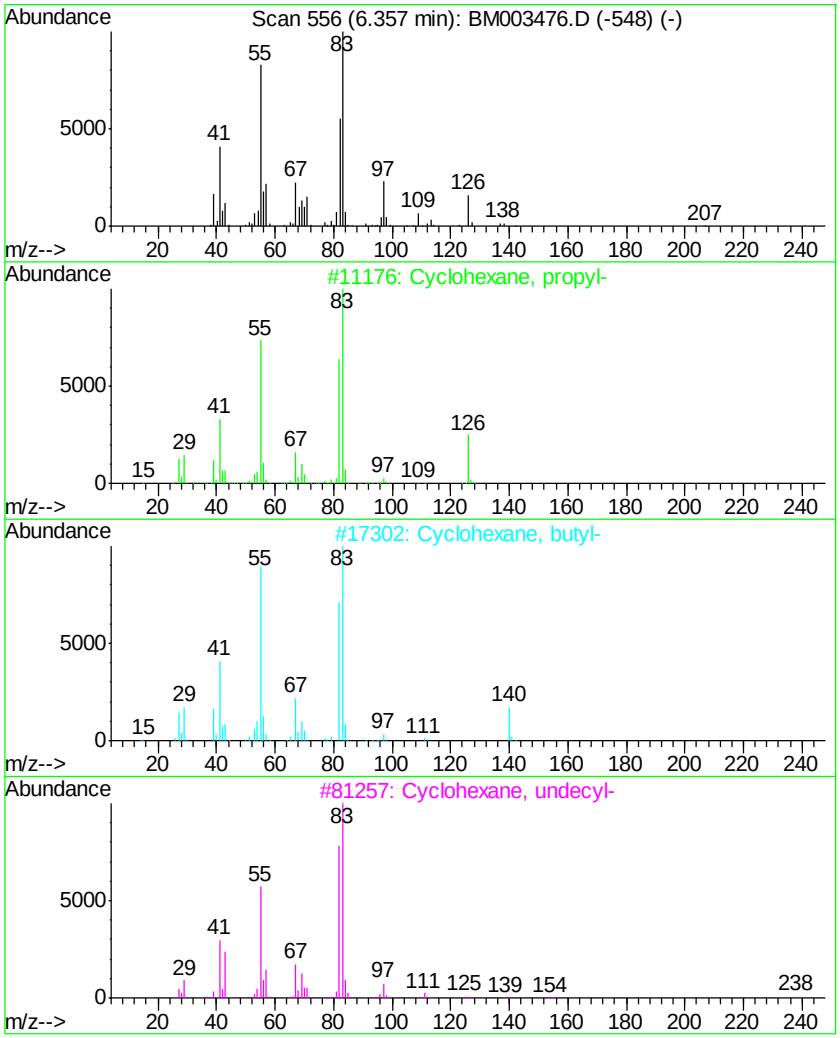
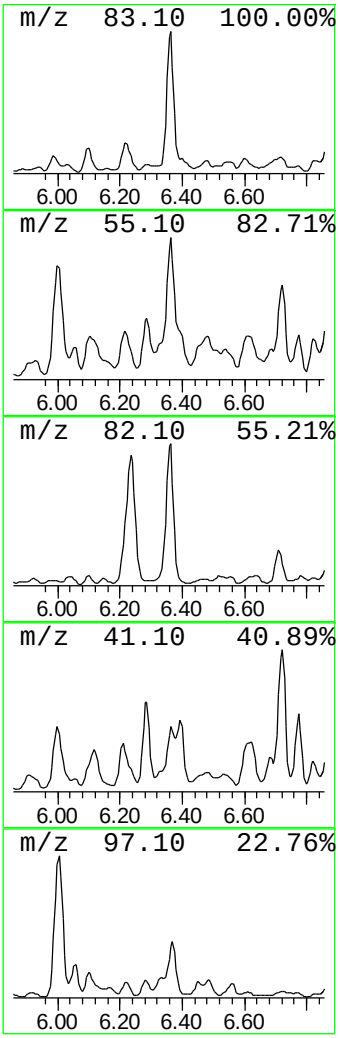
Peak Number 11 Cyclohexane, propyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.36	19.05 ng	2242100	1,4-Dichlorobenzene-d4	7.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, propyl-	126	C9H18	001678-92-8	76
2	Cyclohexane, butyl-	140	C10H20	001678-93-9	59
3	Cyclohexane, undecyl-	238	C17H34	054105-66-7	59
4	Cyclohexane, ethyl-	112	C8H16	001678-91-7	53
5	Ethanone, 1-(1-methylcyclopentyl)-	126	C8H14O	013388-93-7	52





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Data File : BM003476.D
Acq On : 11 Dec 2015 05:22
Operator : UM/IZ
Sample : G4725-05
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SB5A(9-10)

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-BM120915.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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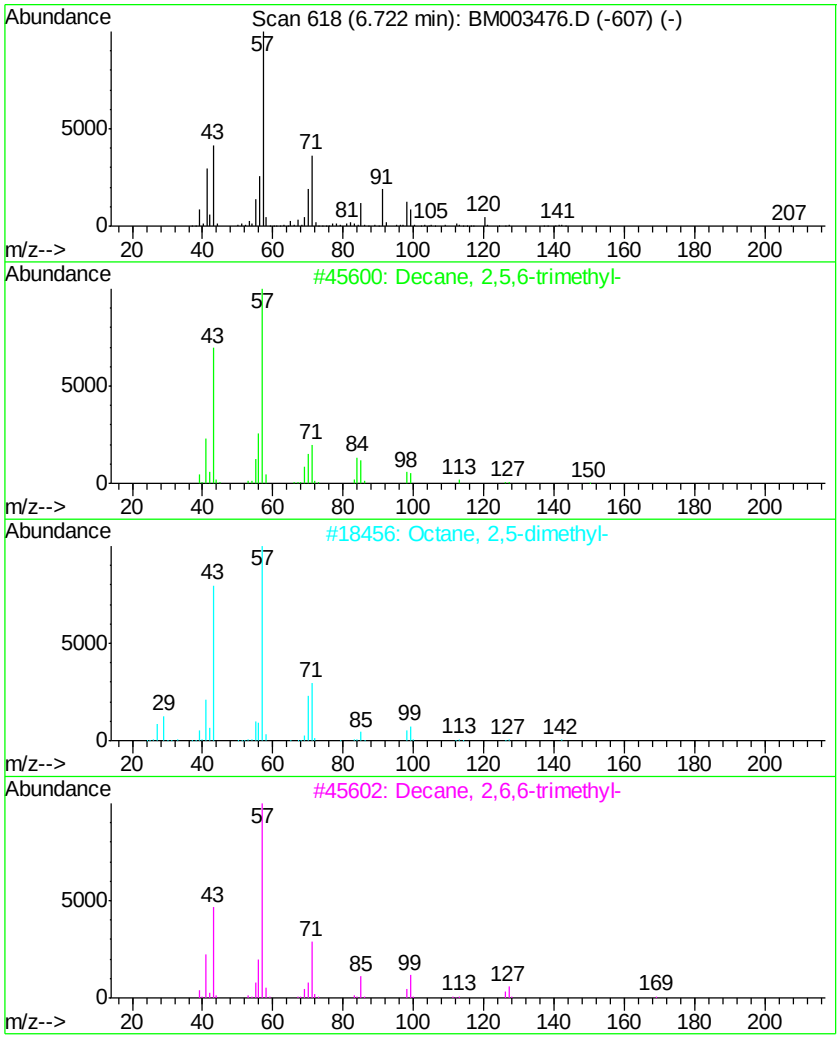
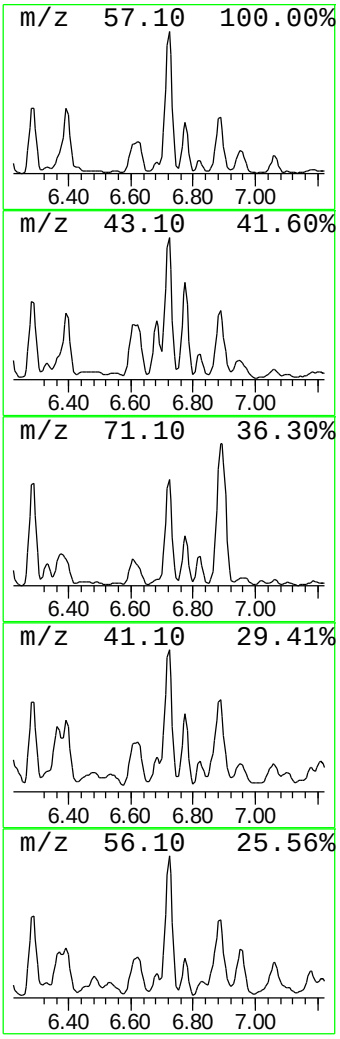
Peak Number 12 Decane, 2,5,6-trimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.72	43.02 ng	5063980	1,4-Dichlorobenzene-d4	7.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 2,5,6-trimethyl-	184	C13H28	062108-23-0	53
2	Octane, 2,5-dimethyl-	142	C10H22	015869-89-3	49
3	Decane, 2,6,6-trimethyl-	184	C13H28	062108-24-1	47
4	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	47
5	Decane, 2,5,9-trimethyl-	184	C13H28	062108-22-9	43





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Operator : UM/IZ
Sample : G4725-05
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SB5A(9-10)

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-BM120915.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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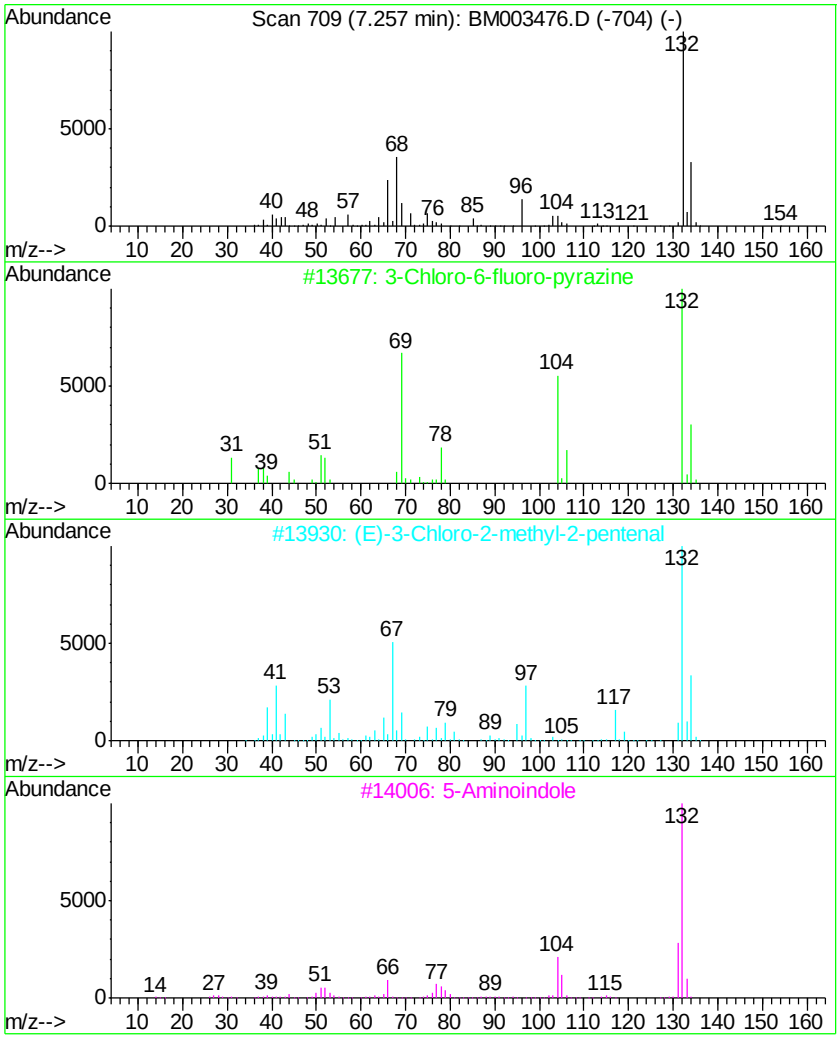
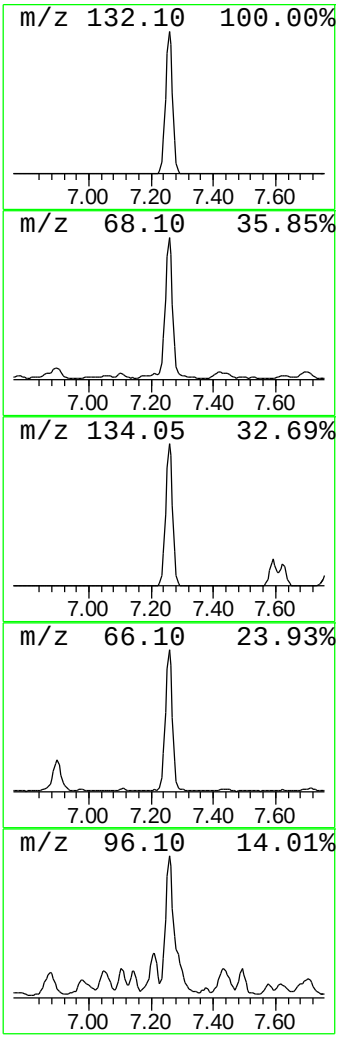
Peak Number 13 unknown7.26 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.26	28.32 ng	3333300	1,4-Dichlorobenzene-d4	7.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	38
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	25
3	5-Aminoindole	132	C8H8N2	005192-03-0	16
4	3H-1,2-Dithiol-3-one, 5-methyl-	132	C4H4OS2	003620-08-4	9
5	4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9





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Acq On : 11 Dec 2015 05:22
Operator : UM/IZ
Sample : G4725-05
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SB5A(9-10)

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-BM120915.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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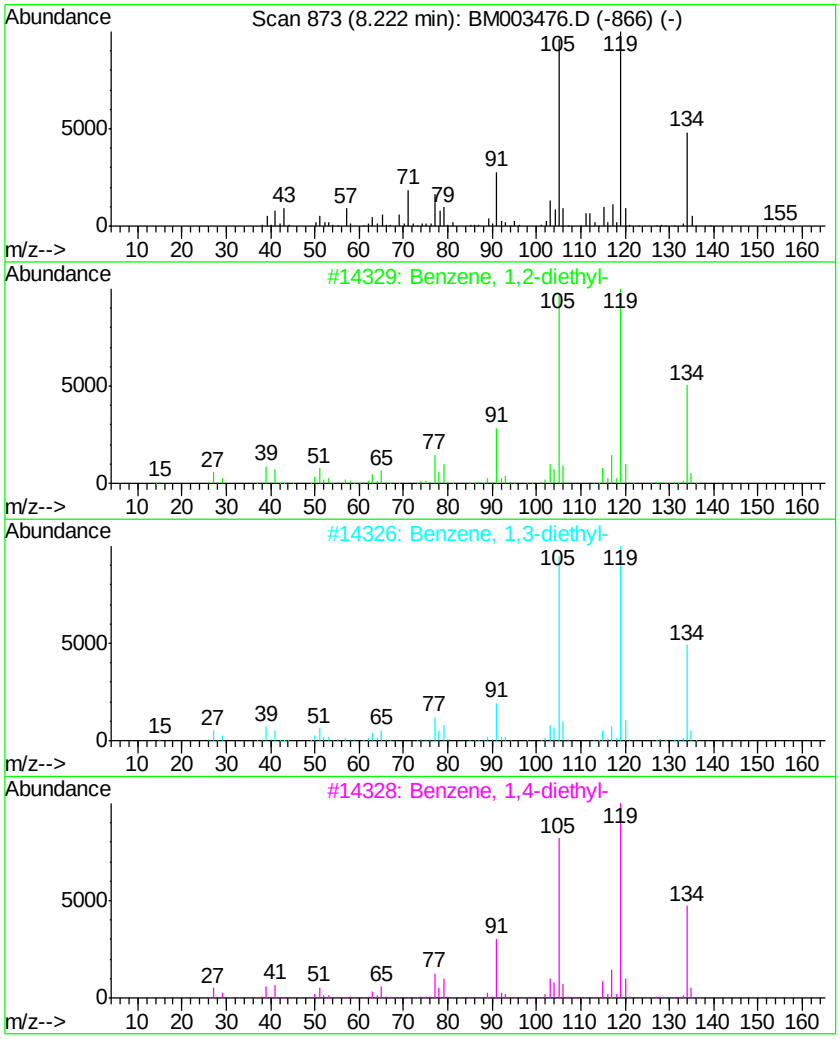
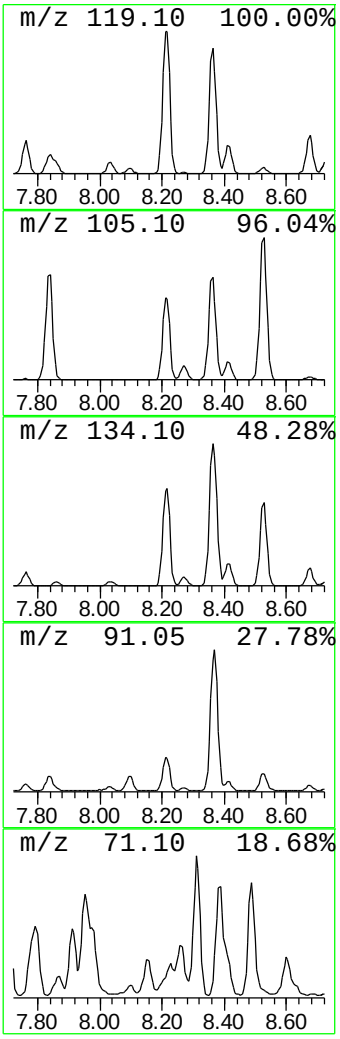
Peak Number 15 Benzene, 1,2-diethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.22	12.30 ng	1447960	1,4-Dichlorobenzene-d4	7.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	96
2	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	95
3	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	95
4	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	90
5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	86





Data Path : Z:\HPCHEM1\BNA M\DATA\BM121015\
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Operator : UM/IZ
Sample : G4725-05
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SB5A(9-10)

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-BM120915.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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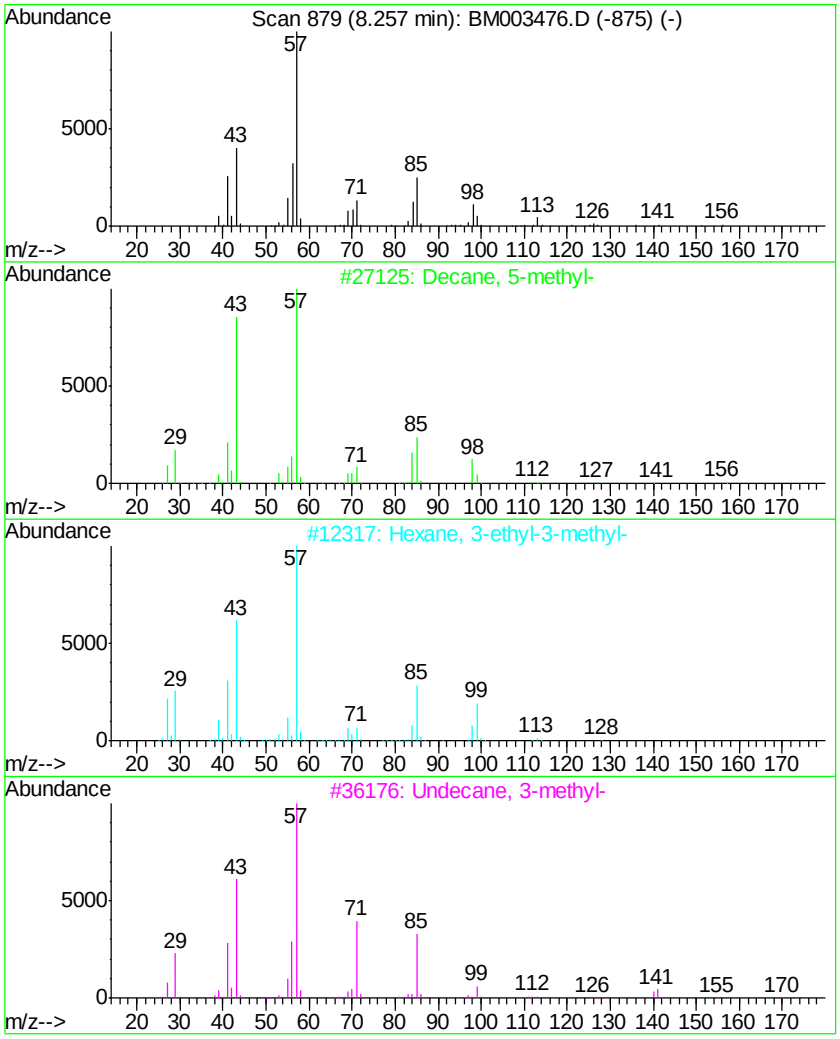
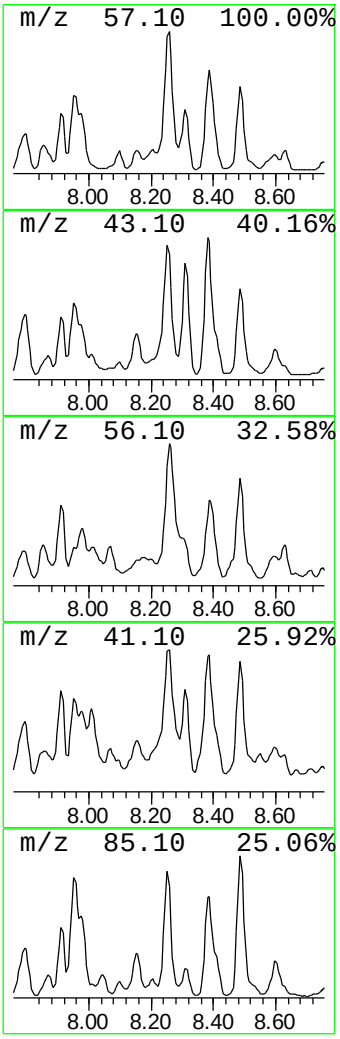
Peak Number 16 Decane, 5-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.26	15.41 ng	1814450	1,4-Dichlorobenzene-d4	7.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 5-methyl-	156	C11H24	013151-35-4	74
2	Hexane, 3-ethyl-3-methyl-	128	C9H20	003074-76-8	50
3	Undecane, 3-methyl-	170	C12H26	001002-43-3	50
4	Nonane, 2,5-dimethyl-	156	C11H24	017302-27-1	50
5	Eicosane	282	C20H42	000112-95-8	47





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Operator : UM/IZ
Sample : G4725-05
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SB5A(9-10)

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-BM120915.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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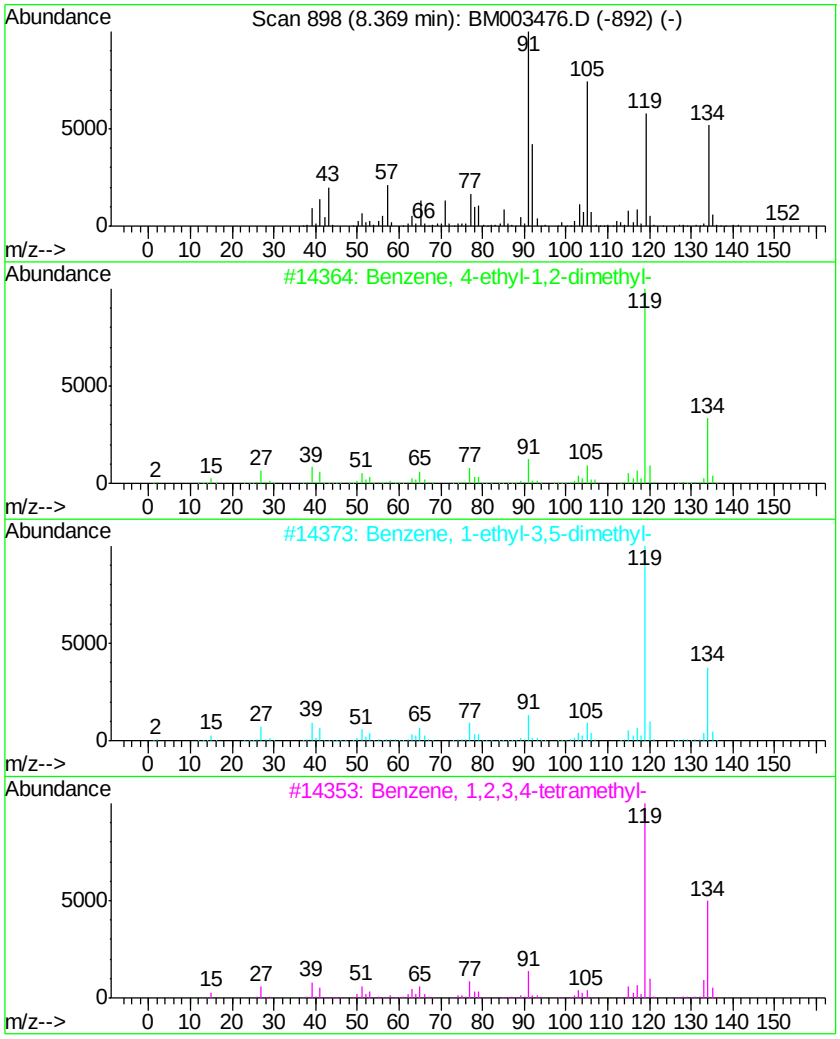
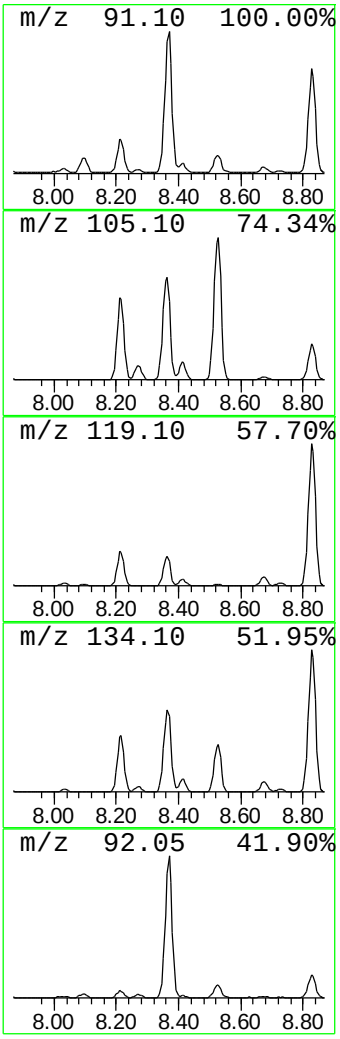
Peak Number 17 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.37	33.88 ng	3988030	1,4-Dichlorobenzene-d4	7.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	76
2	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	76
3	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	76
4	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	74
5	Tetracyclo[3.3.1.1(1,8).0(2,4)]d...	134	C10H14	1000185-58-7	74





Data Path : Z:\HPCHEM1\BNA M\DATA\BM121015\
Data File : BM003476.D
Acq On : 11 Dec 2015 05:22
Operator : UM/IZ
Sample : G4725-05
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SB5A(9-10)

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-BM120915.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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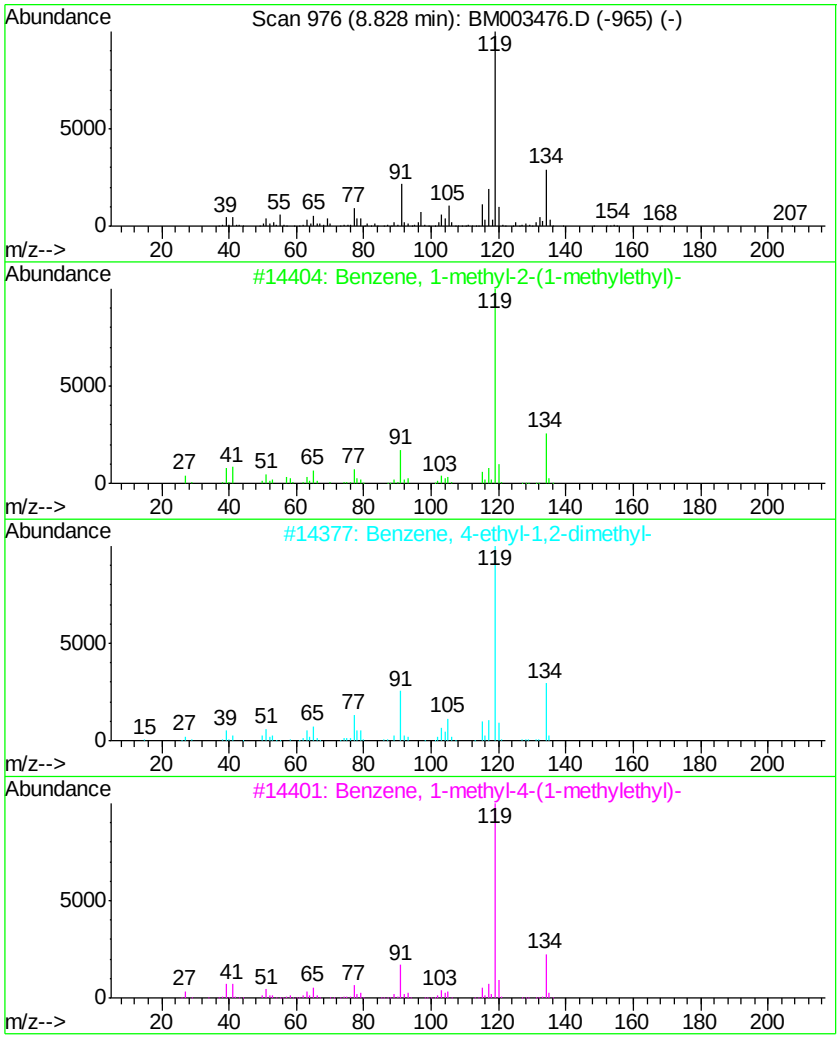
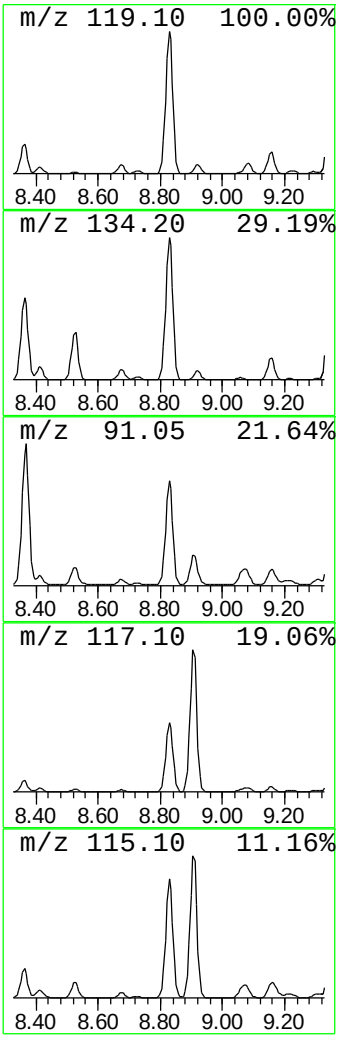
Peak Number 18 Benzene, 1-methyl-2-(1-meth... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.83	41.26 ng	4856130	1,4-Dichlorobenzene-d4	7.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	94
2	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	94
3	Benzene, 1-methyl-4-(1-methyleth...	134	C10H14	000099-87-6	93
4	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	91
5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	87





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Data File : BM003476.D
Acq On : 11 Dec 2015 05:22
Operator : UM/IZ
Sample : G4725-05
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SB5A(9-10)

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-BM120915.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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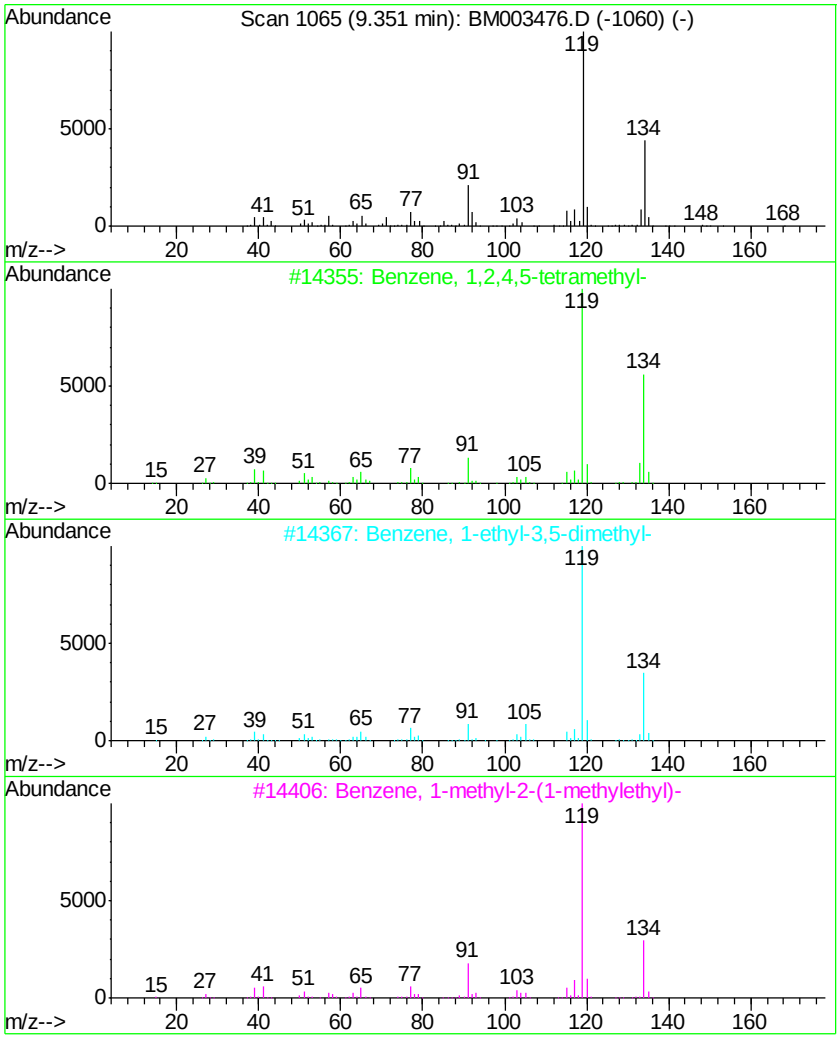
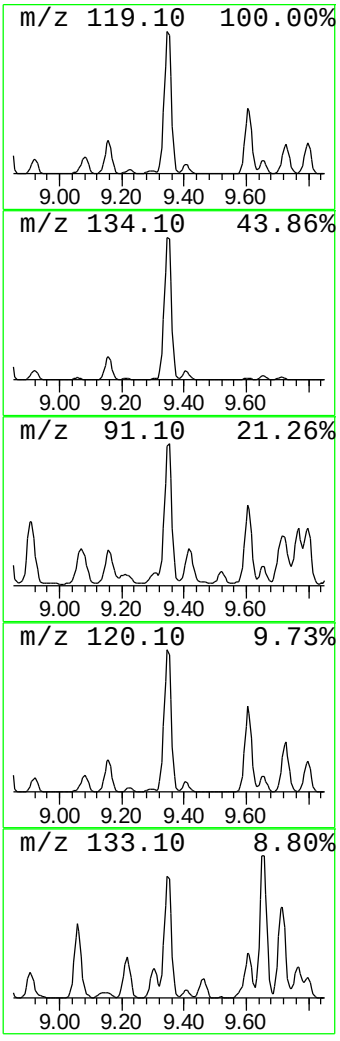
Peak Number 19 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.35	13.83 ng	2515310	Naphthalene-d8	10.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94
2	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91
3	Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	91
4	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91
5	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	91





Data Path : Z:\HPCHEM1\BNA M\DATA\BM121015\
Data File : BM003476.D
Acq On : 11 Dec 2015 05:22
Operator : UM/IZ
Sample : G4725-05
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SB5A(9-10)

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-BM120915.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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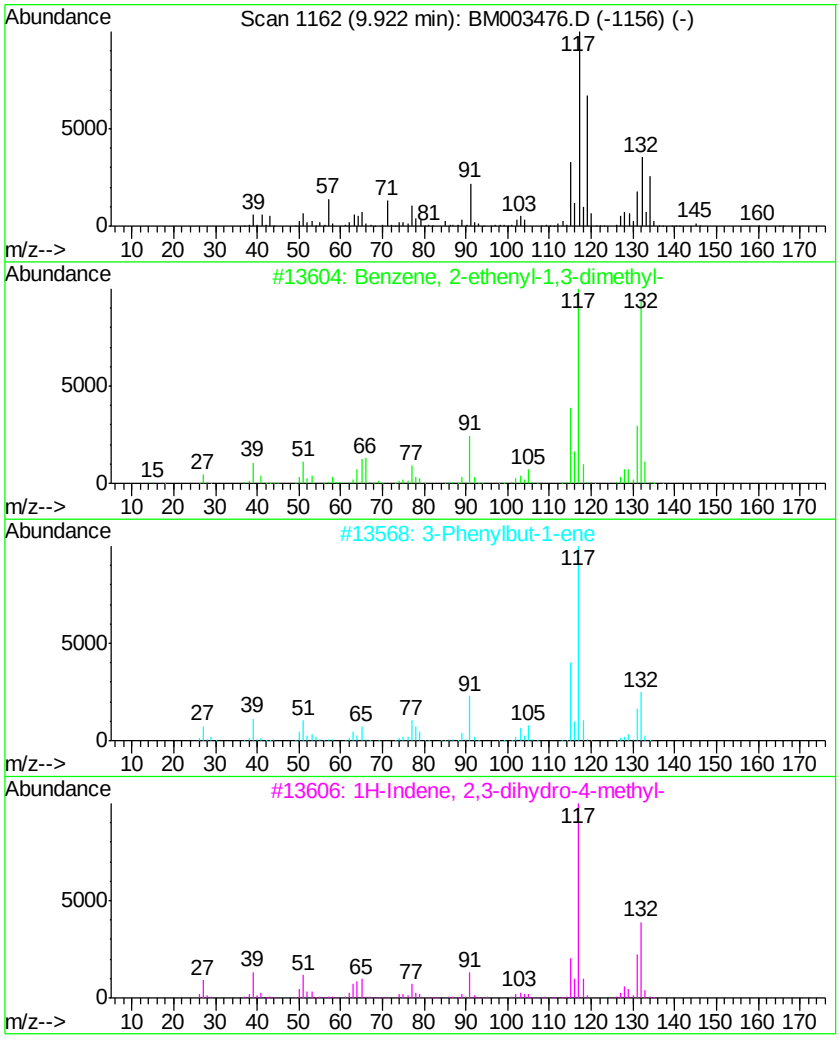
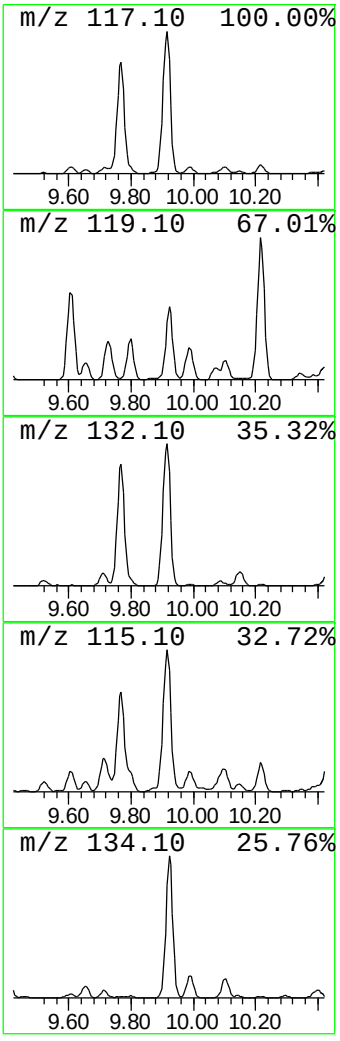
Peak Number 20 Benzene, 2-ethenyl-1,3-dime... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.92	19.06 ng	3467410	Naphthalene-d8	10.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	76
2	3-Phenylbut-1-ene	132	C10H12	000934-10-1	76
3	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	76
4	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	70
5	Benzene, 2-butenyl-	132	C10H12	001560-06-1	70





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121015\
Data File : BM003476.D
Acq On : 11 Dec 2015 05:22
Operator : UM/IZ
Sample : G4725-05
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SB5A(9-10)

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-BM120915.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
Pentane, 2,3,4-tr...	3.68	22.2	ng	2614470	1	7.72	2354190	20.0
Pentane, 2,3,3-tr...	3.78	28.8	ng	3392000	1	7.72	2354190	20.0
Hexane, 2,5-dimet...	3.83	12.5	ng	1471950	1	7.72	2354190	20.0
Heptane, 3-methyl-	3.93	19.0	ng	2237680	1	7.72	2354190	20.0
Heptane, 2,6-dime...	4.67	11.8	ng	1387380	1	7.72	2354190	20.0
Octane, 4-methyl-	5.18	15.0	ng	1767340	1	7.72	2354190	20.0
unknown6.00	6.00	17.3	ng	2032700	1	7.72	2354190	20.0
Octane, 2,5-dimet...	6.12	12.2	ng	1432900	1	7.72	2354190	20.0
unknown6.21	6.21	16.8	ng	1972500	1	7.72	2354190	20.0
Octane, 2,6-dimet...	6.29	15.4	ng	1809270	1	7.72	2354190	20.0
Cyclohexane, propyl-	6.36	19.1	ng	2242100	1	7.72	2354190	20.0
Decane, 2,5,6-tri...	6.72	43.0	ng	5063980	1	7.72	2354190	20.0
unknown7.26	7.26	28.3	ng	3333300	1	7.72	2354190	20.0
Benzene, 1,2-diet...	8.22	12.3	ng	1447960	1	7.72	2354190	20.0
Decane, 5-methyl-	8.26	15.4	ng	1814450	1	7.72	2354190	20.0
Benzene, 4-ethyl-...	8.37	33.9	ng	3988030	1	7.72	2354190	20.0
Benzene, 1-methyl...	8.83	41.3	ng	4856130	1	7.72	2354190	20.0
Benzene, 1,2,4,5-...	9.35	13.8	ng	2515310	2	10.52	3637670	20.0
Benzene, 2-etheny...	9.92	19.1	ng	3467410	2	10.52	3637670	20.0