LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070317\
Data File : BG027840.D
Acq On : 3 Jul 2017 20:13
Operator : SJ/JU
Sample : I3997-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MW12-5-6-GRAB

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_G\METHODS\8270-BG062817.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	3.667	7	13	21	rBV	34327	71297	2.88%	0.410%
2	4.460	141	148	152	rBV	18476	28669	1.16%	0.165%
3	4.554	158	164	167	rBV2	25086	45344	1.83%	0.261%
4	4.589	167	170	179	rVV4	32905	64249	2.59%	0.370%
5	4.683	180	186	198	rVB2	34847	70967	2.87%	0.408%
6	4.789	198	204	210	rBV	21168	34820	1.41%	0.200%
7	5.012	235	242	251	rVB3	40466	78727	3.18%	0.453%
8	5.500	318	325	331	rBV	23281	41601	1.68%	0.239%
9	5.577	331	338	345	rBV	76078	131400	5.31%	0.756%
10	5.923	389	397	404	rVB4	43059	108512	4.38%	0.624%
11	6.029	407	415	425	rBV	534285	919369	37.13%	5.288%
12	6.117	425	430	440	rVB4	17761	42420	1.71%	0.244%
13	6.452	478	487	497	rVB2	57424	125515	5.07%	0.722%
14	6.710	526	531	540	rBV5	15114	34245	1.38%	0.197%
15	6.828	543	551	557	rVB2	13678	28030	1.13%	0.161%
16	6.916	559	566	573	rBV3	12434	30125	1.22%	0.173%
17	6.987	573	578	584	rBV2	17635	25465	1.03%	0.146%
18	7.081	589	594	602	rVB6	13989	33293	1.34%	0.192%
19	7.310	628	633	641	rBV4	10308	26554	1.07%	0.153%
20	7.421	647	652	657	rBV3	61771	100182	4.05%	0.576%
21	7.474	657	661	665	rVB	28983	42756	1.73%	0.246%
22	7.533	665	671	675	rBV	70585	117042	4.73%	0.673%
23	7.598	675	682	689	rVV	538377	1018238	41.13%	5.857%
24	7.668	689	694	703	rVB2	66139	115784	4.68%	0.666%
25	7.839	717	723	728	rVB	30813	52436	2.12%	0.302%
26	7.985	740	748	754	rBV	499125	888543	35.89%	5.111%
27	8.044	754	758	761	rVV	40847	63374	2.56%	0.365%
28	8.091	761	766	774	rVB	182463	312622	12.63%	1.798%
29	8.403	814	819	822	rBV2	15260	24847	1.00%	0.143%
30	8.456	822	828	839	rVB2	94813	207582	8.38%	1.194%
31	8.561	839	846	851	rBV	53530	98647	3.98%	0.567%
32	8.667	858	864	869	rVB2	13370	24780	1.00%	0.143%
33	8.779	876	883	889	rBV	325944	591135	23.88%	3.400%
34	8.931	902	909	913	rBV2	32680	67552	2.73%	0.389%

LSC Area Percent Report

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Acq On : 3 Jul 2017 20:13
Operator : SJ/JU
Sample : I3997-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MW12-5-6-GRAB

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_G\METHODS\8270-BG062817.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	8.984	913	918	927	rVB	87367	175001	7.07%	1.007%
36	9.078	927	934	942	rBV2	158245	304170	12.29%	1.750%
37	9.249	957	963	968	rBV	24123	39161	1.58%	0.225%
38	9.390	981	987	992	rBV	58785	99875	4.03%	0.574%
39	9.443	992	996	1003	rVB	57768	98557	3.98%	0.567%
40	9.548	1003	1014	1019	rBV	108147	199709	8.07%	1.149%
41	9.619	1019	1026	1040	rVB	292111	638415	25.78%	3.672%
42	9.789	1048	1055	1062	rBV5	15734	34149	1.38%	0.196%
43	9.883	1064	1071	1076	rBV	26922	52141	2.11%	0.300%
44	10.071	1095	1103	1108	rBV	68713	119690	4.83%	0.688%
45	10.130	1108	1113	1119	rVB	95740	162388	6.56%	0.934%
46	10.324	1136	1146	1150	rBV3	20273	43474	1.76%	0.250%
47	10.365	1150	1153	1161	rVB2	24313	39798	1.61%	0.229%
48	10.441	1161	1166	1170	rBV	35458	61703	2.49%	0.355%
49	10.500	1171	1176	1184	rVB2	51585	103888	4.20%	0.598%
50	10.594	1184	1192	1196	rBV3	25128	53854	2.18%	0.310%
51	10.653	1196	1202	1207	rVV2	87402	167492	6.76%	0.963%
52	10.706	1207	1211	1216	rVB3	33650	56029	2.26%	0.322%
53	10.823	1223	1231	1237	rVB3	24721	64698	2.61%	0.372%
54	10.947	1247	1252	1261	rVB	32992	60167	2.43%	0.346%
55	11.199	1286	1295	1298	rBV	42922	90343	3.65%	0.520%
56	11.270	1298	1307	1312	rVV	151307	376365	15.20%	2.165%
57	11.317	1312	1315	1320	rVV	91558	158807	6.41%	0.913%
58	11.370	1320	1324	1331	rVB2	26826	54580	2.20%	0.314%
59	11.464	1333	1340	1345	rBV	22113	38383	1.55%	0.221%
60	12.157	1449	1458	1464	rBV2	31296	63760	2.58%	0.367%
61	12.345	1483	1490	1495	rBV3	16136	29733	1.20%	0.171%
62	12.427	1499	1504	1517	rVB9	13238	45169	1.82%	0.260%
63	12.615	1531	1536	1543	rBV4	36672	63102	2.55%	0.363%
64	12.891	1576	1583	1591	rVB	149892	259746	10.49%	1.494%
65	13.109	1613	1620	1626	rVB	66187	116955	4.72%	0.673%
66	13.661	1707	1714	1723	rVB	804355	1304742	52.70%	7.505%
67	14.213	1799	1808	1815	rVB4	18089	47122	1.90%	0.271%
68	14.360	1822	1833	1838	rBV2	24245	49515	2.00%	0.285%
69	14.472	1847	1852	1858	rVV	165022	245499	9.92%	1.412%
70	15.042	1934	1949	1958	rVV2	240486	417816	16.88%	2.403%
71	15.841	2080	2085	2091	rVB	21041	30985	1.25%	0.178%

LSC Area Percent Report

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Data File : BG027840.D
Acq On : 3 Jul 2017 20:13
Operator : SJ/JU
Sample : I3997-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MW12-5-6-GRAB

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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Peak separation: 5

Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG062817.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	16.528	2194	2202	2212	rBV	824505	1333560	53.86%	7.671%
73	16.699	2227	2231	2246	rBV	22226	42525	1.72%	0.245%
74	17.792	2409	2417	2432	rVB2	348003	573129	23.15%	3.297%
75	20.365	2849	2855	2862	rBV	1838675	2475923	100.00%	14.242%
76	22.145	3148	3158	3165	rBV	349013	661368	26.71%	3.804%
77	25.729	3755	3768	3781	rBV2	191711	632284	25.54%	3.637%
78	27.745	4103	4111	4113	rBV6	15605	33222	1.34%	0.191%

Sum of corrected areas: 17385114

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070317\
Data File : BG027840.D
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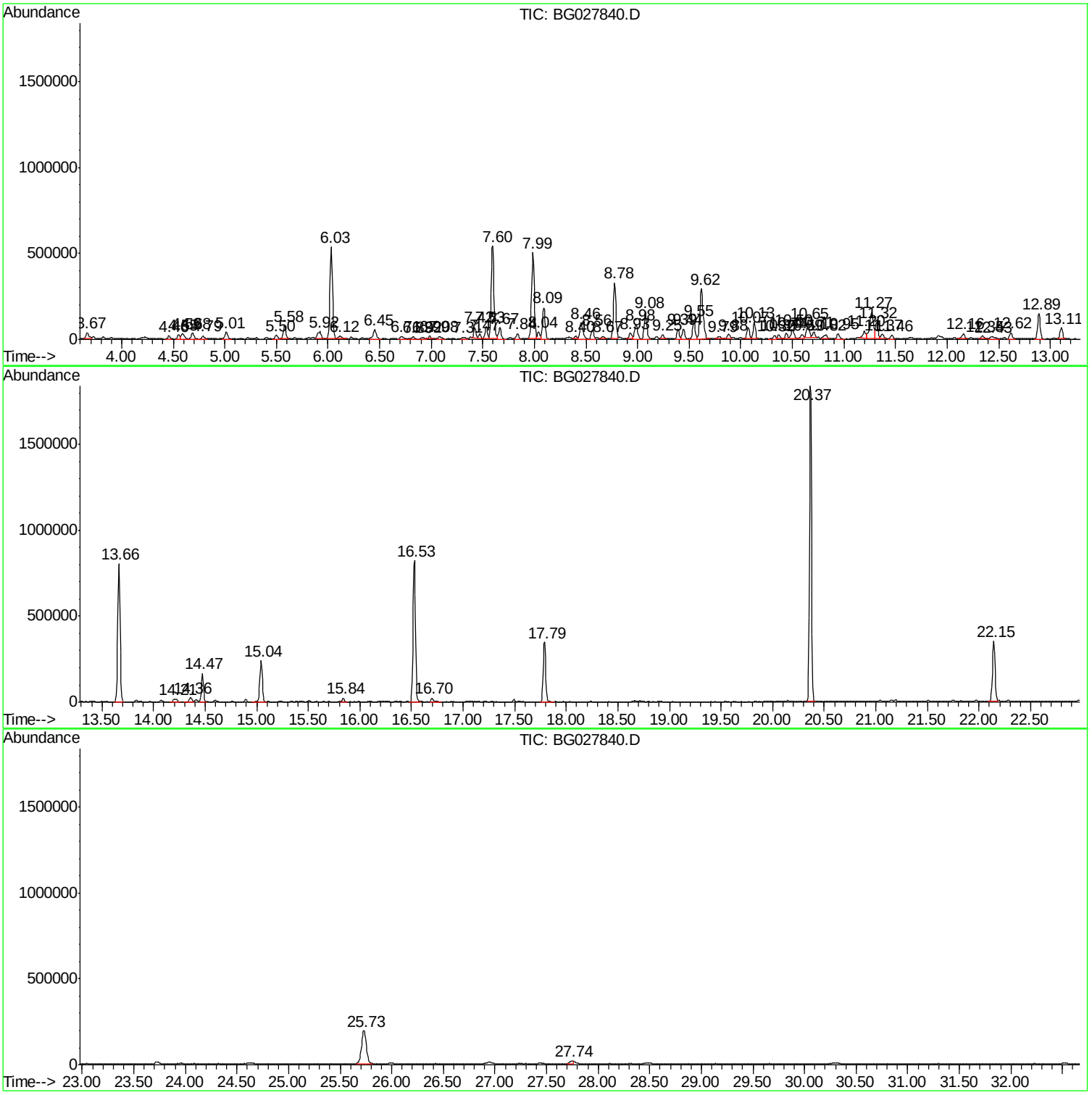
Operator : SJ/JU
Sample : I3997-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MW12-5-6-GRAB

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG062817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070317\
Data File : BG027840.D
Acq On : 3 Jul 2017 20:13
Operator : SJ/JU
Sample : I3997-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MW12-5-6-GRAB

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG062817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

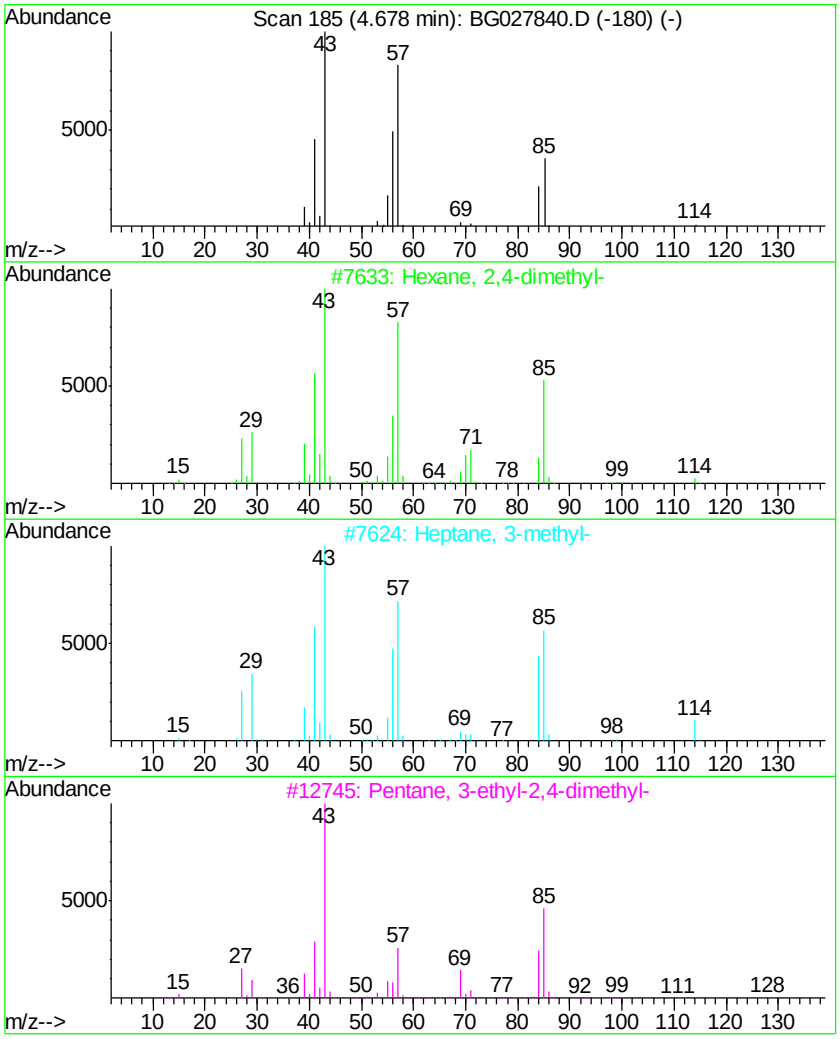
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

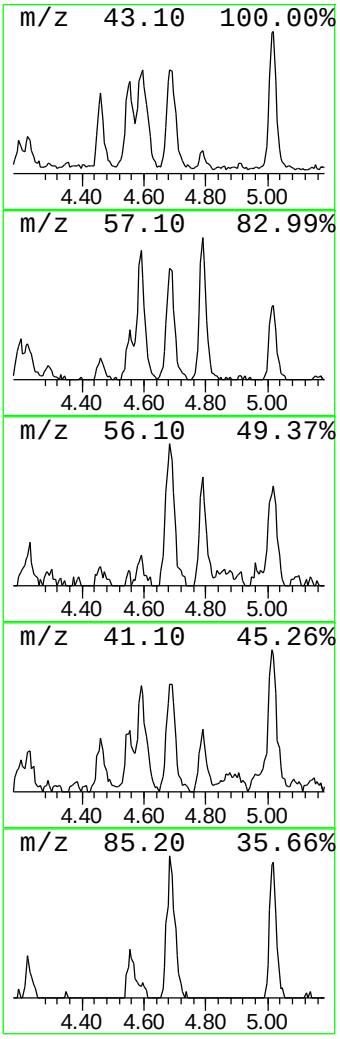
****

Peak Number 2 Hexane, 2,4-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.68	6.84 ng	70967	1,4-Dichlorobenzene-d4	8.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	64
2	Heptane, 3-methyl-	114	C8H18	000589-81-1	53
3	Pentane, 3-ethyl-2,4-dimethyl-	128	C9H20	001068-87-7	50
4	Hexane, 2,3,5-trimethyl-	128	C9H20	001069-53-0	50
5	Pentane, 2,3,3,4-tetramethyl-	128	C9H20	016747-38-9	50





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070317\
Data File : BG027840.D
Acq On : 3 Jul 2017 20:13
Operator : SJ/JU
Sample : I3997-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MW12-5-6-GRAB

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG062817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

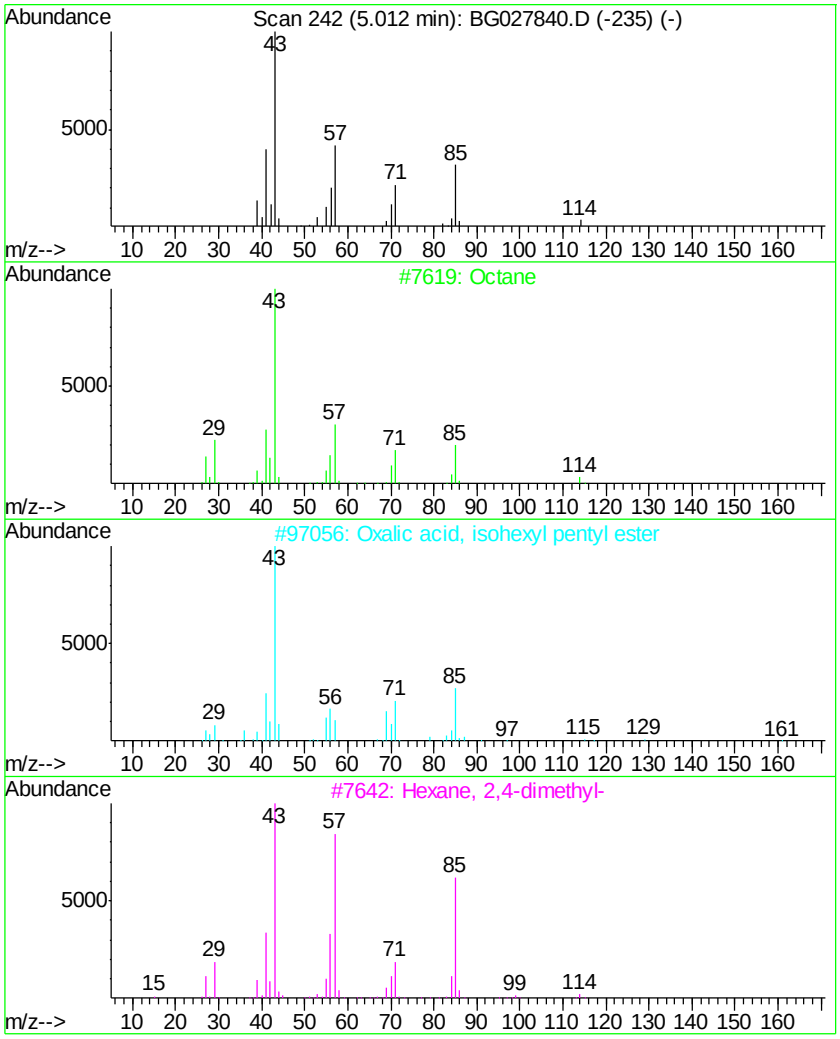
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

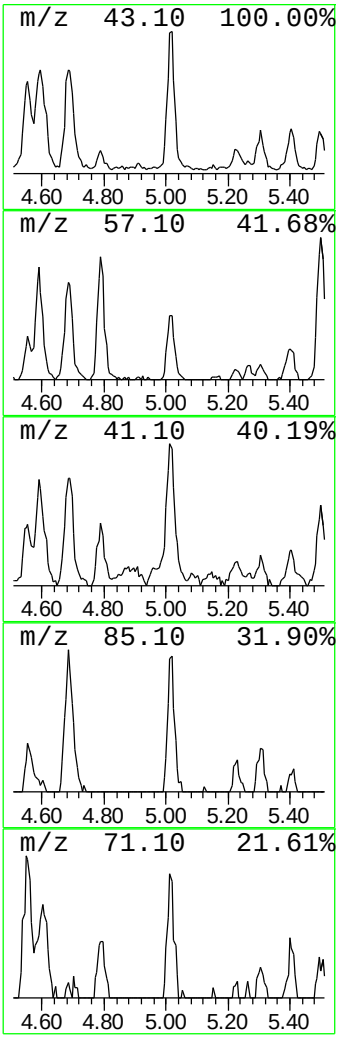
****

Peak Number 3 Octane Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.01	7.59 ng	78727	1,4-Dichlorobenzene-d4	8.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane	114	C8H18	000111-65-9	91
2	Oxalic acid, isohexyl pentyl ester	244	C13H24O4	1000309-32-8	64
3	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	64
4	Hexane, 2,3,5-trimethyl-	128	C9H20	001069-53-0	59
5	Decane, 5,6-dimethyl-	170	C12H26	001636-43-7	56





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070317\
Data File : BG027840.D
Acq On : 3 Jul 2017 20:13
Operator : SJ/JU
Sample : I3997-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MW12-5-6-GRAB

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG062817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

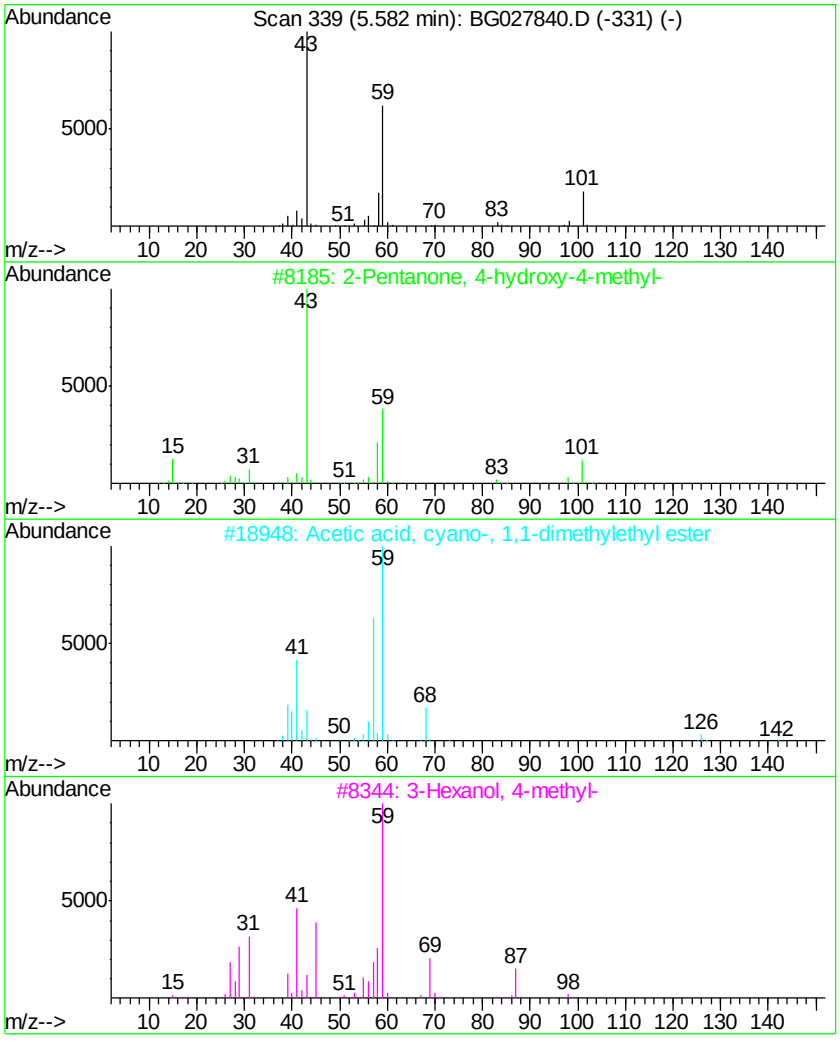
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

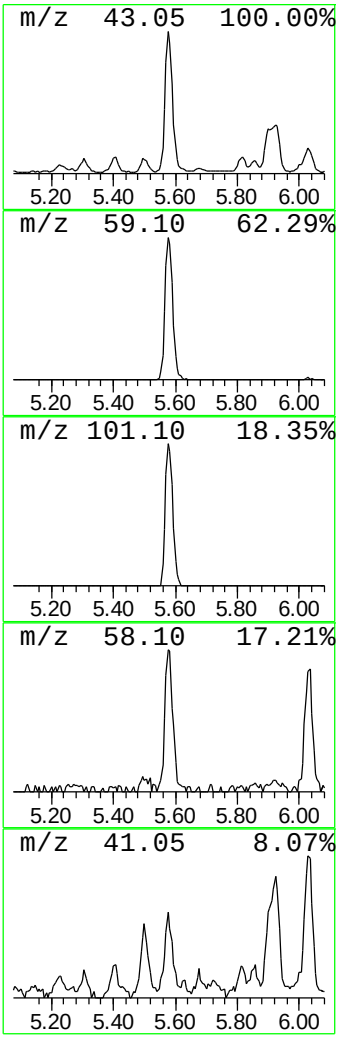
****

Peak Number 4 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.58	12.66 ng	131400	1,4-Dichlorobenzene-d4	8.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	72
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	37
3	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	28
4	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	25
5	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	23





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070317\
Data File : BG027840.D
Acq On : 3 Jul 2017 20:13
Operator : SJ/JU
Sample : I3997-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MW12-5-6-GRAB

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG062817.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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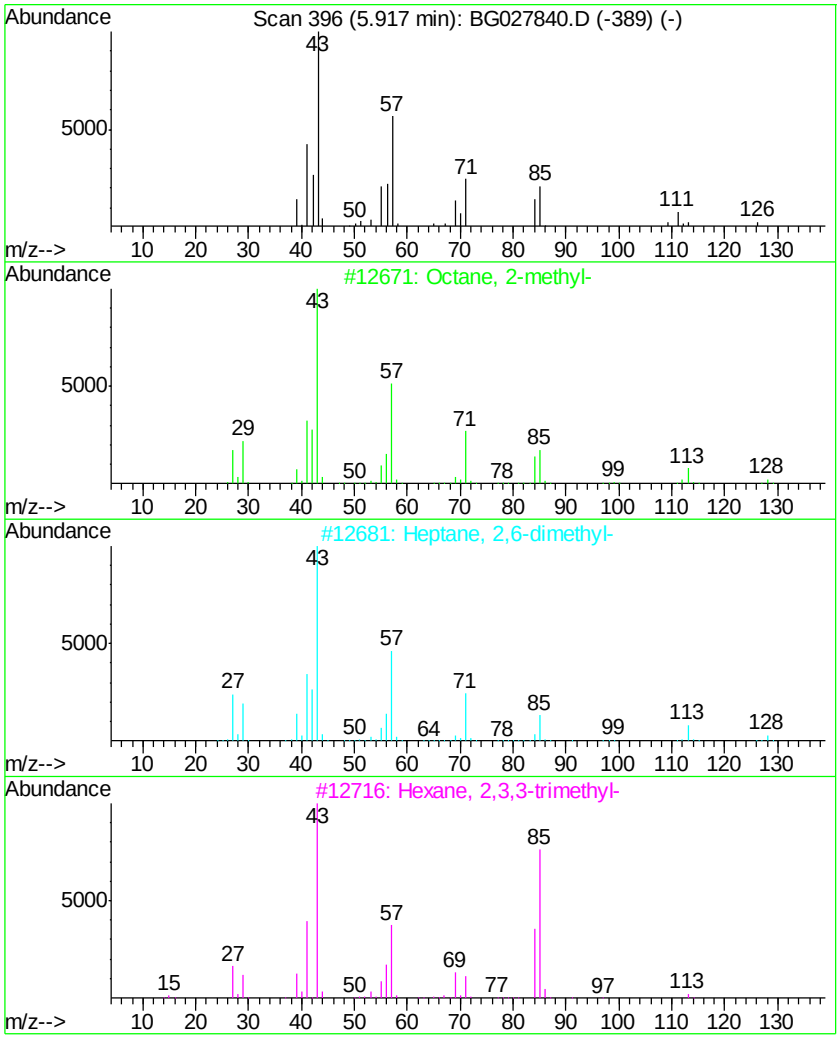
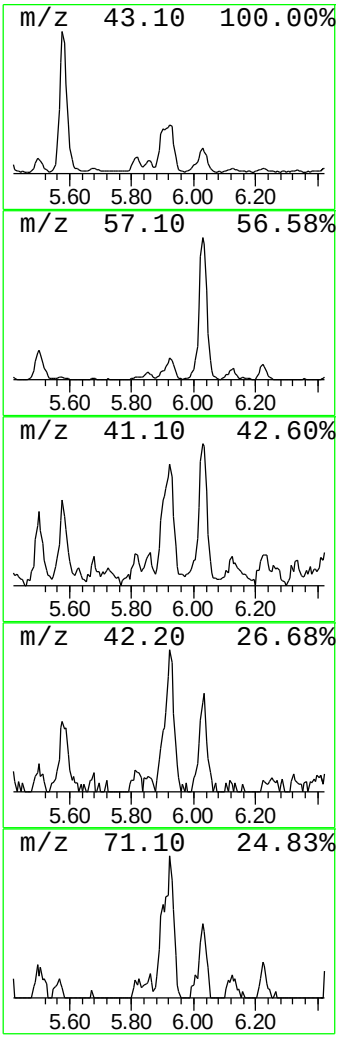
Peak Number 5 Octane, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.92	10.45 ng	108512	1,4-Dichlorobenzene-d4	8.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2-methyl-	128	C9H20	003221-61-2	64
2	Heptane, 2,6-dimethyl-	128	C9H20	001072-05-5	59
3	Hexane, 2,3,3-trimethyl-	128	C9H20	016747-28-7	53
4	Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	53
5	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	53





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070317\
Data File : BG027840.D
Acq On : 3 Jul 2017 20:13
Operator : SJ/JU
Sample : I3997-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MW12-5-6-GRAB

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG062817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

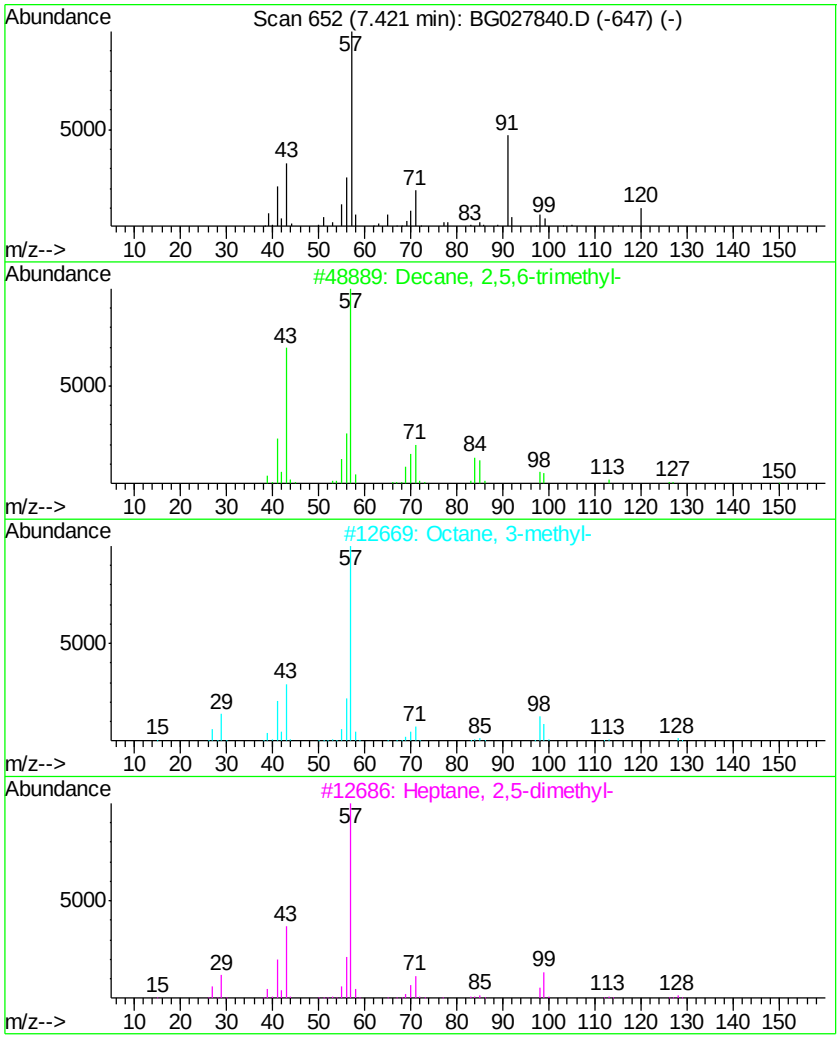
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

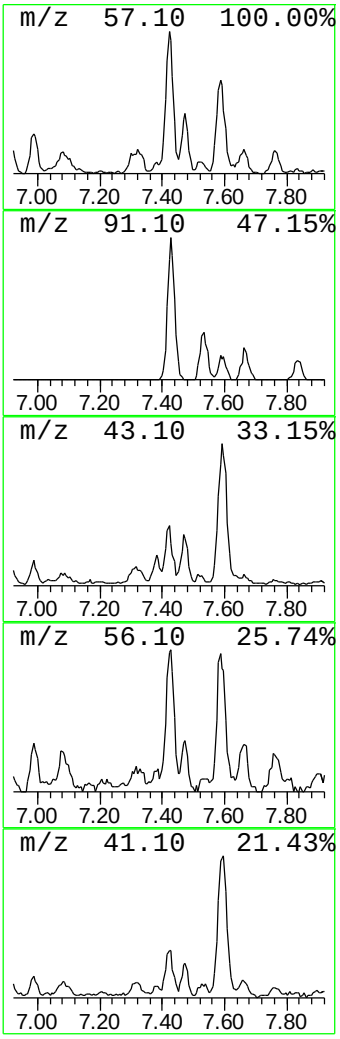
****

Peak Number 7 Decane, 2,5,6-trimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.42	9.65 ng	100182	1,4-Dichlorobenzene-d4	8.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 2,5,6-trimethyl-	184	C13H28	062108-23-0	50
2	Octane, 3-methyl-	128	C9H20	002216-33-3	47
3	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	43
4	Heptane, 2,3,5-trimethyl-	142	C10H22	020278-85-7	38
5	Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	38





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070317\
Data File : BG027840.D
Acq On : 3 Jul 2017 20:13
Operator : SJ/JU
Sample : I3997-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MW12-5-6-GRAB

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG062817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

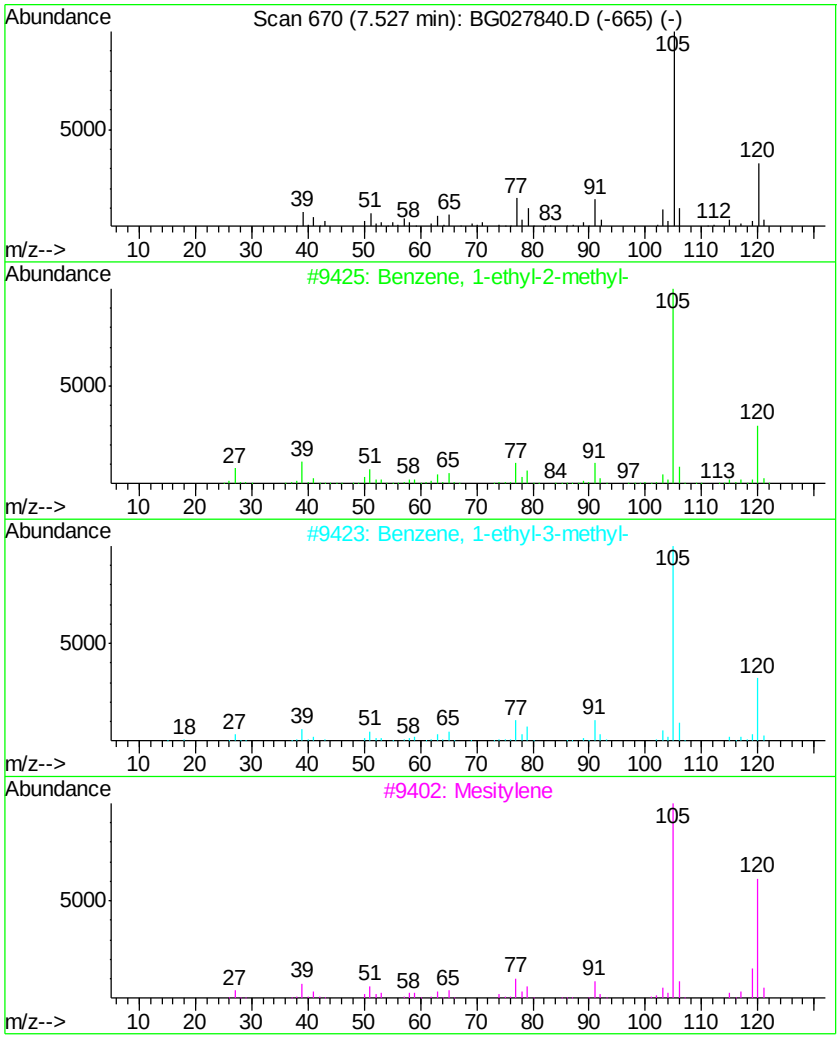
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

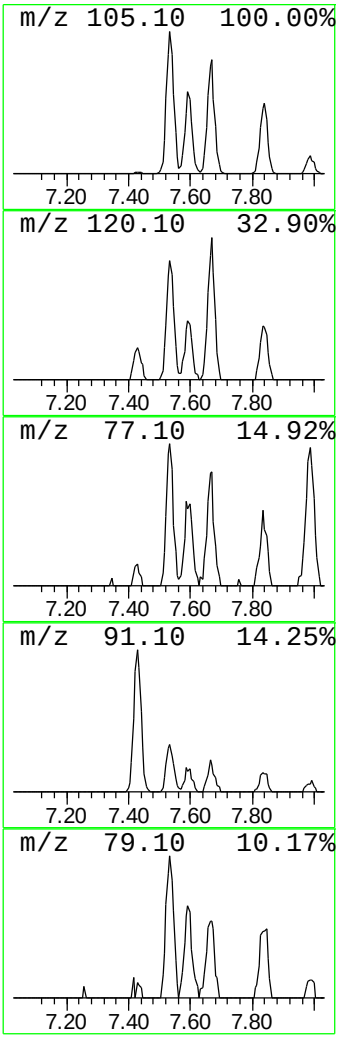
****

Peak Number 8 Benzene, 1-ethyl-2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.53	11.28 ng	117042	1,4-Dichlorobenzene-d4	8.45

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	94
3	Mesitylene	120	C9H12	000108-67-8	91
4	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070317\
Data File : BG027840.D
Acq On : 3 Jul 2017 20:13
Operator : SJ/JU
Sample : I3997-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MW12-5-6-GRAB

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG062817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

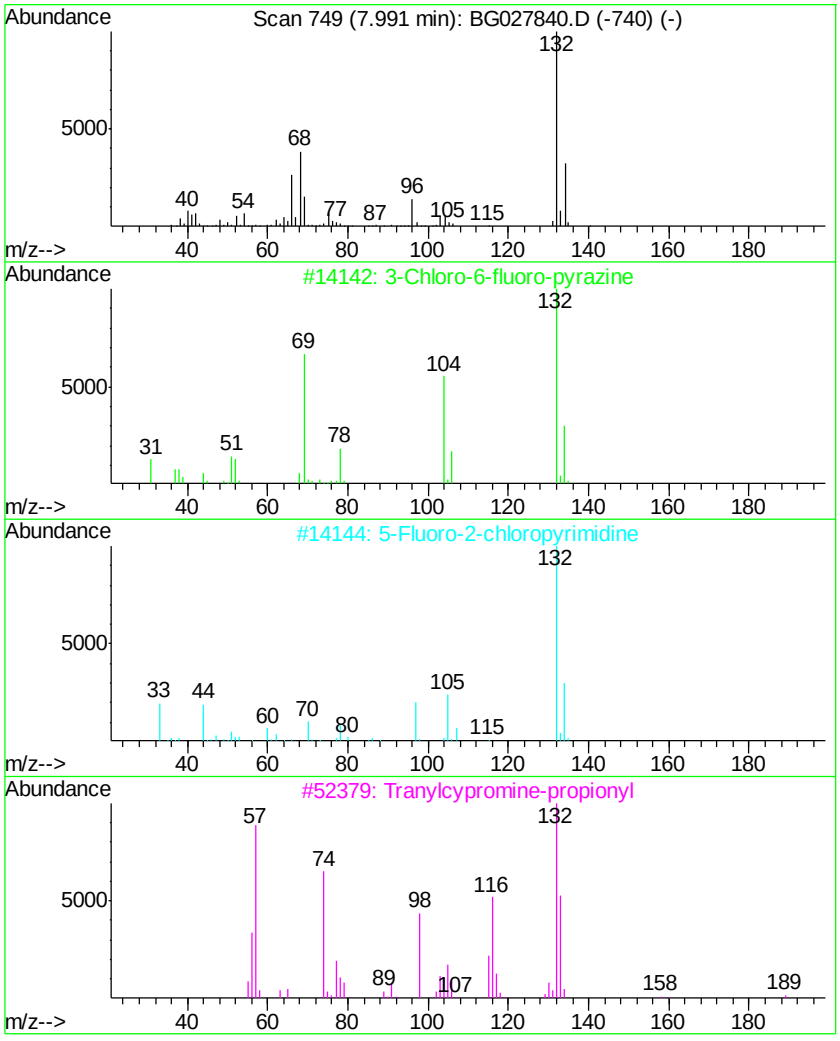
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

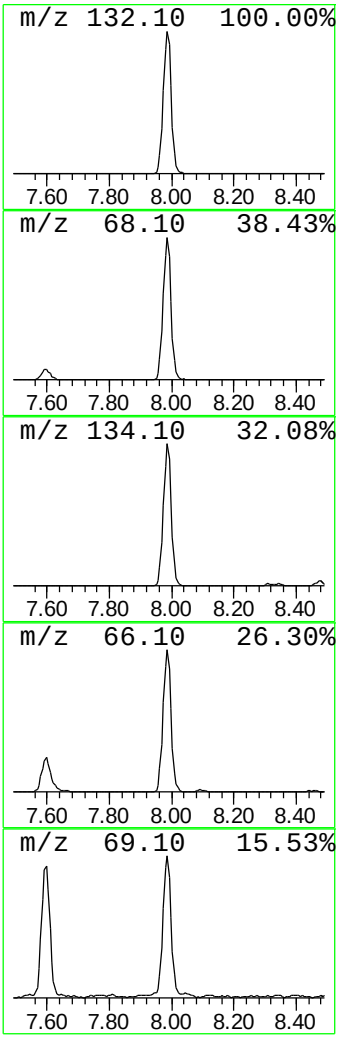
****

Peak Number 9 unknown7.99 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.99	85.61 ng	888543	1,4-Dichlorobenzene-d4	8.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4	1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	10
5	1,2,3-Trifluorobenzene	132	C6H3F3	001489-53-8	9





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070317\
Data File : BG027840.D
Acq On : 3 Jul 2017 20:13
Operator : SJ/JU
Sample : I3997-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MW12-5-6-GRAB

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG062817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

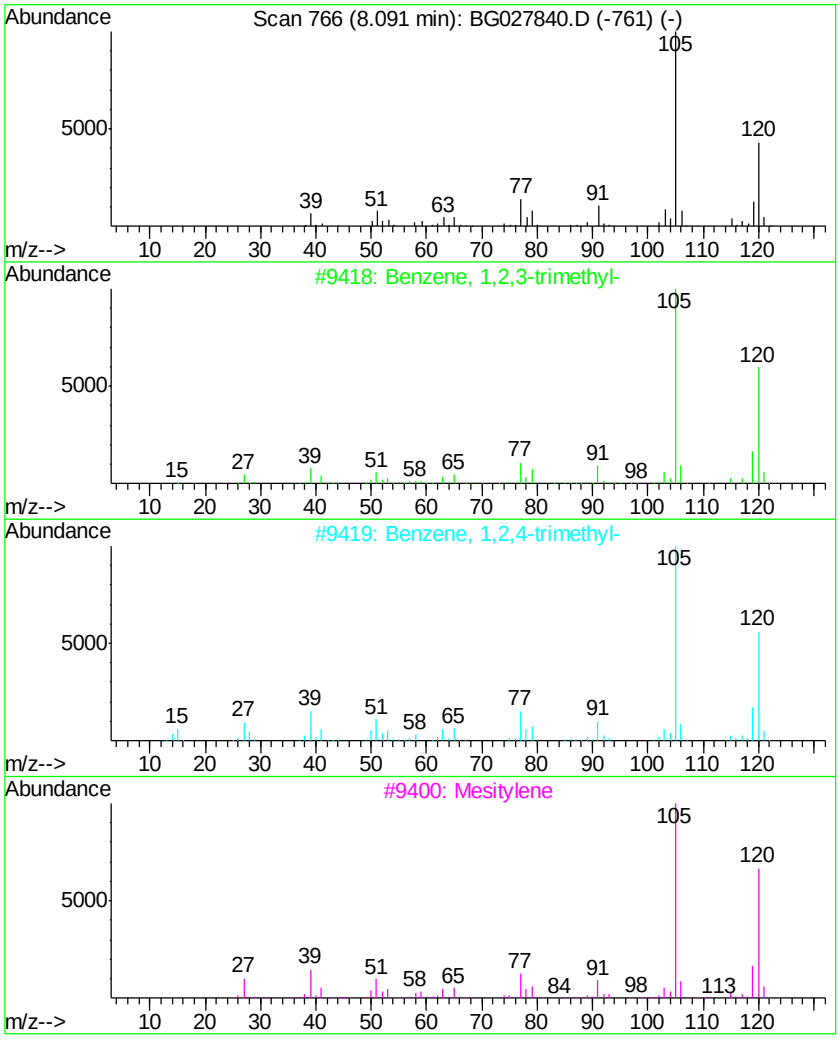
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

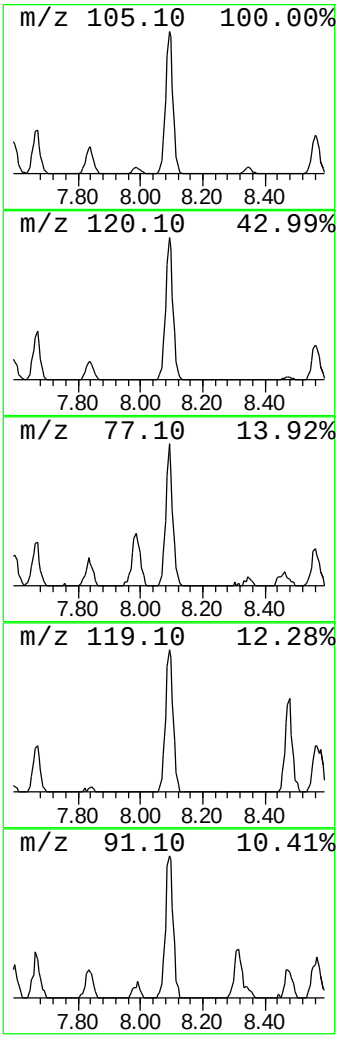
****

Peak Number 10 Benzene, 1,2,3-trimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.09	30.12 ng	312622	1,4-Dichlorobenzene-d4	8.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	95
2	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	95
3	Mesitylene	120	C9H12	000108-67-8	91
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	90
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	90





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Data File : BG027840.D
Acq On : 3 Jul 2017 20:13
Operator : SJ/JU
Sample : I3997-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MW12-5-6-GRAB

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG062817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

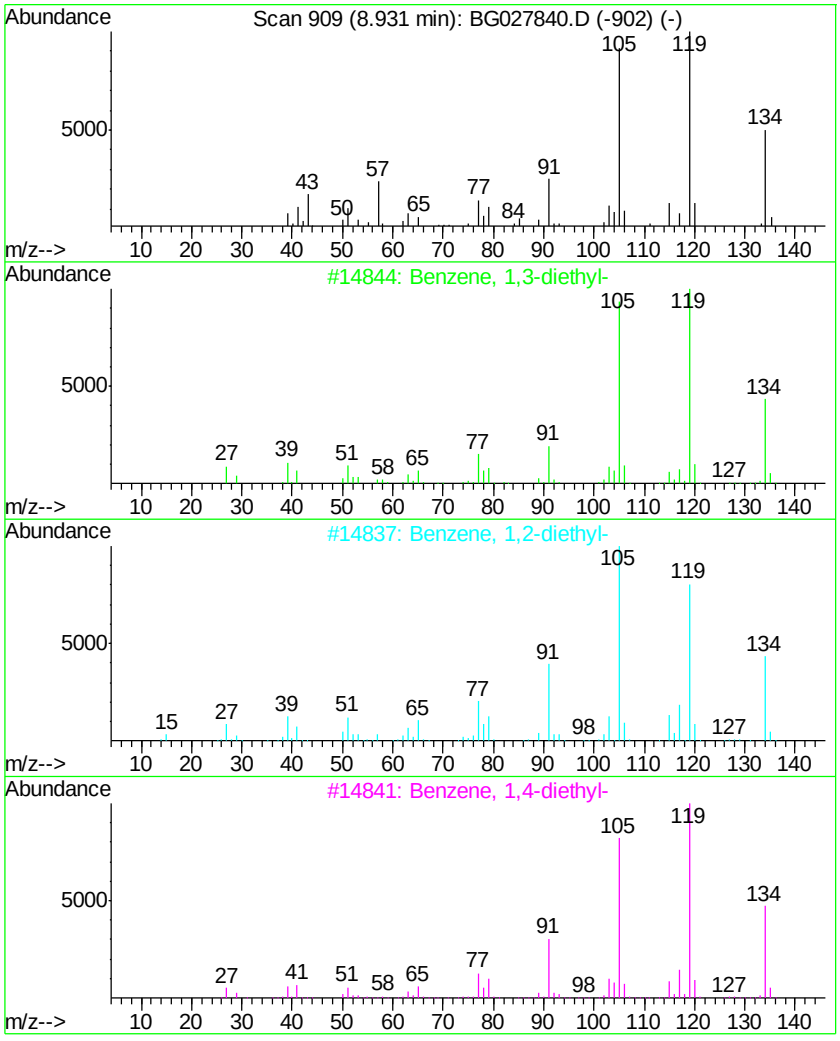
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

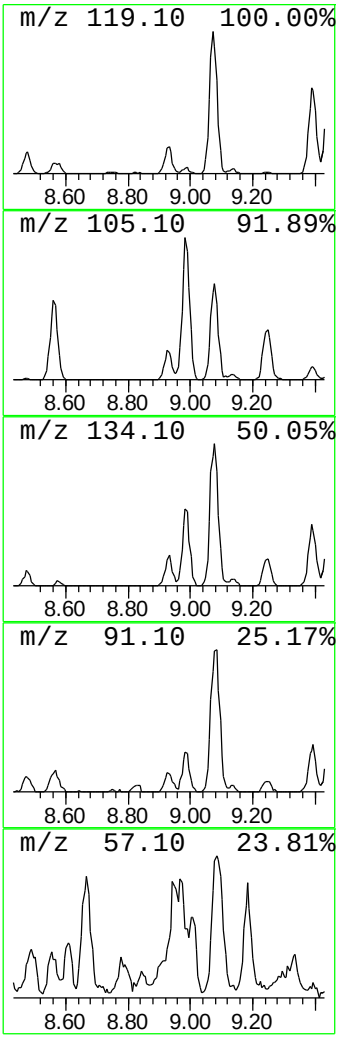
****

Peak Number 13 Benzene, 1,3-diethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.93	6.51 ng	67552	1,4-Dichlorobenzene-d4	8.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	95
2	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	94
3	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	94
4	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91





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Data File : BG027840.D
Acq On : 3 Jul 2017 20:13
Operator : SJ/JU
Sample : I3997-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MW12-5-6-GRAB

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG062817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

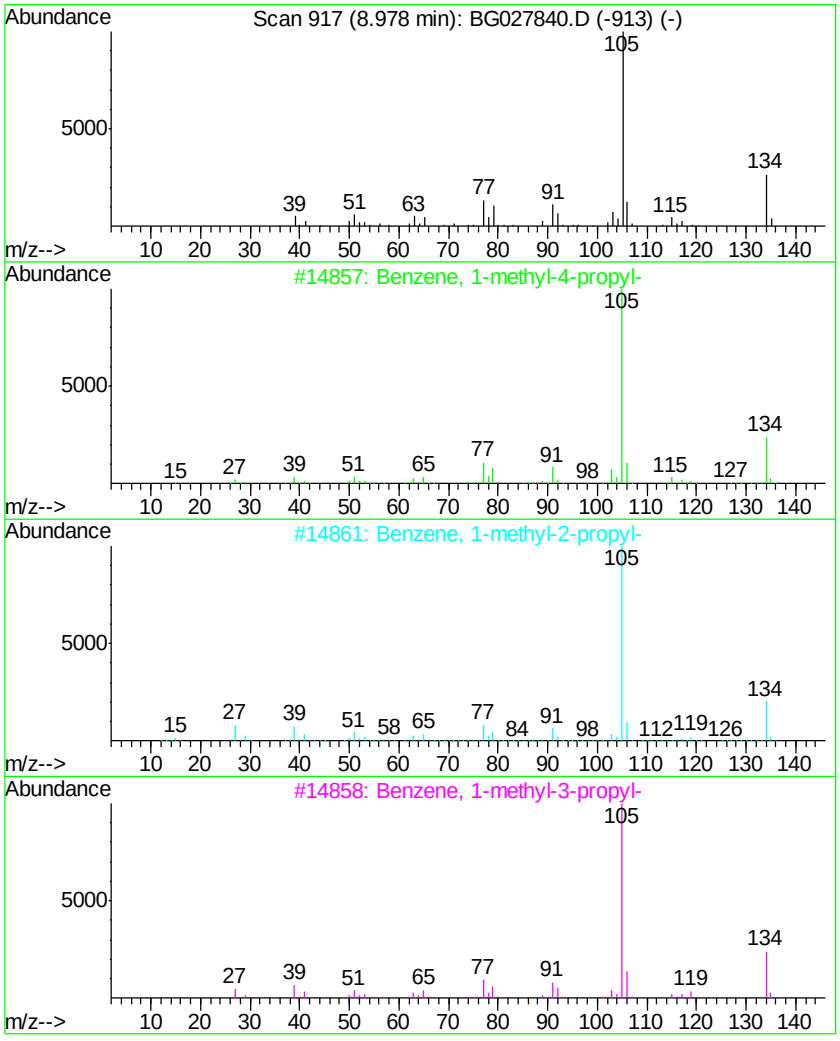
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

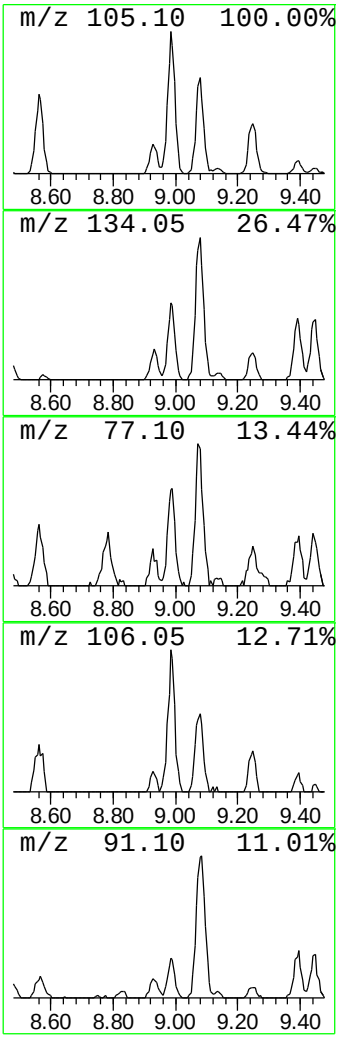
****

Peak Number 14 Benzene, 1-methyl-4-propyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.98	16.86 ng	175001	1,4-Dichlorobenzene-d4	8.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	94
2	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	91
3	Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	91
4	Benzeneacetaldehyde, .alpha.-met...	134	C9H10O	000093-53-8	87
5	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	83





Library Search Compound Report

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Data File : BG027840.D
Acq On : 3 Jul 2017 20:13
Operator : SJ/JU
Sample : I3997-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MW12-5-6-GRAB

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG062817.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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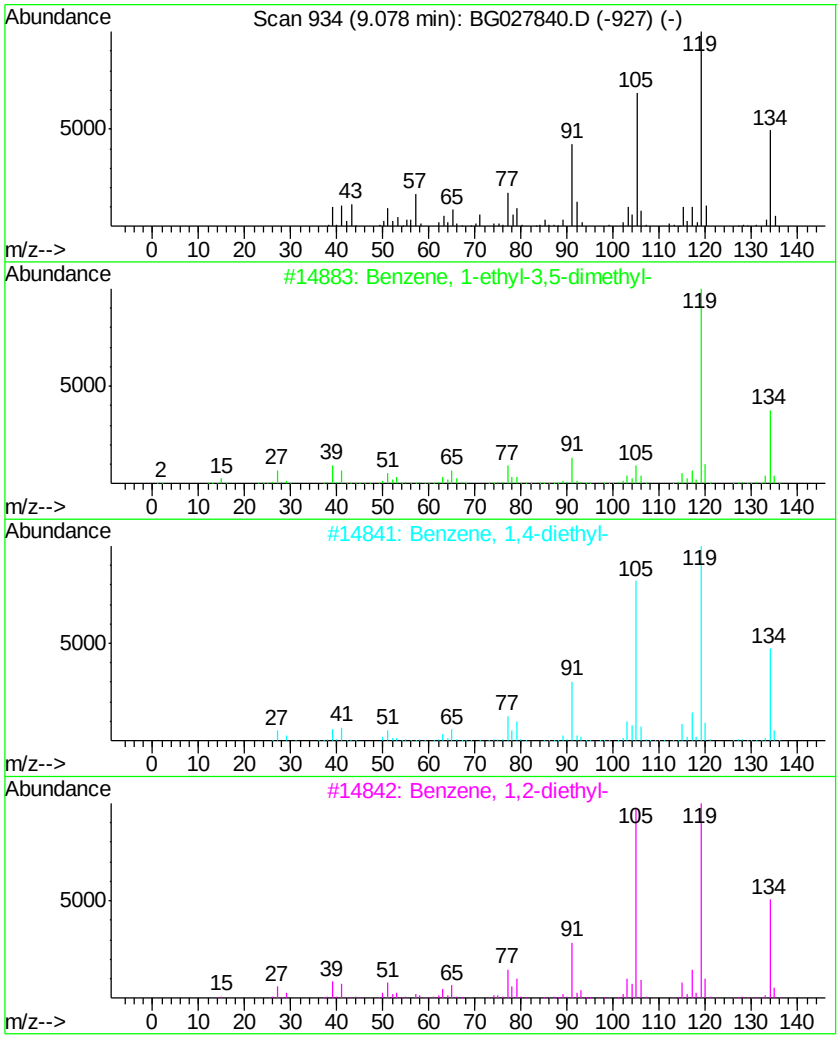
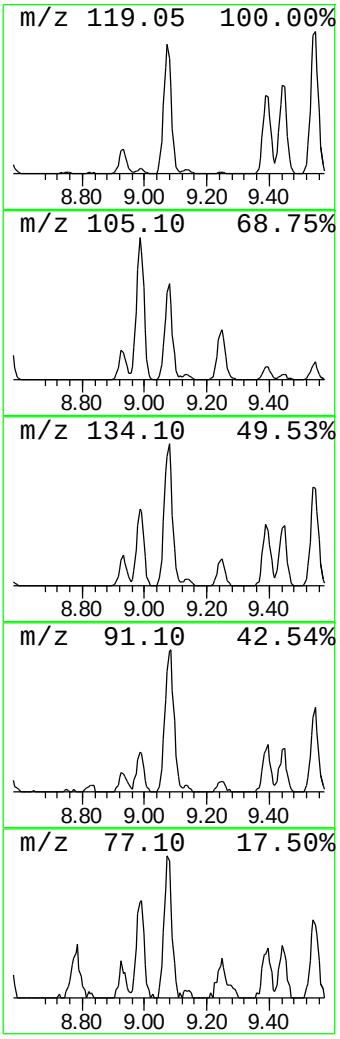
Peak Number 15 Benzene, 1-ethyl-3,5-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.08	29.31 ng	304170	1,4-Dichlorobenzene-d4	8.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	96
2	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	96
3	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	95
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	94
5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91





Library Search Compound Report

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Data File : BG027840.D
Acq On : 3 Jul 2017 20:13
Operator : SJ/JU
Sample : I3997-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MW12-5-6-GRAB

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG062817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

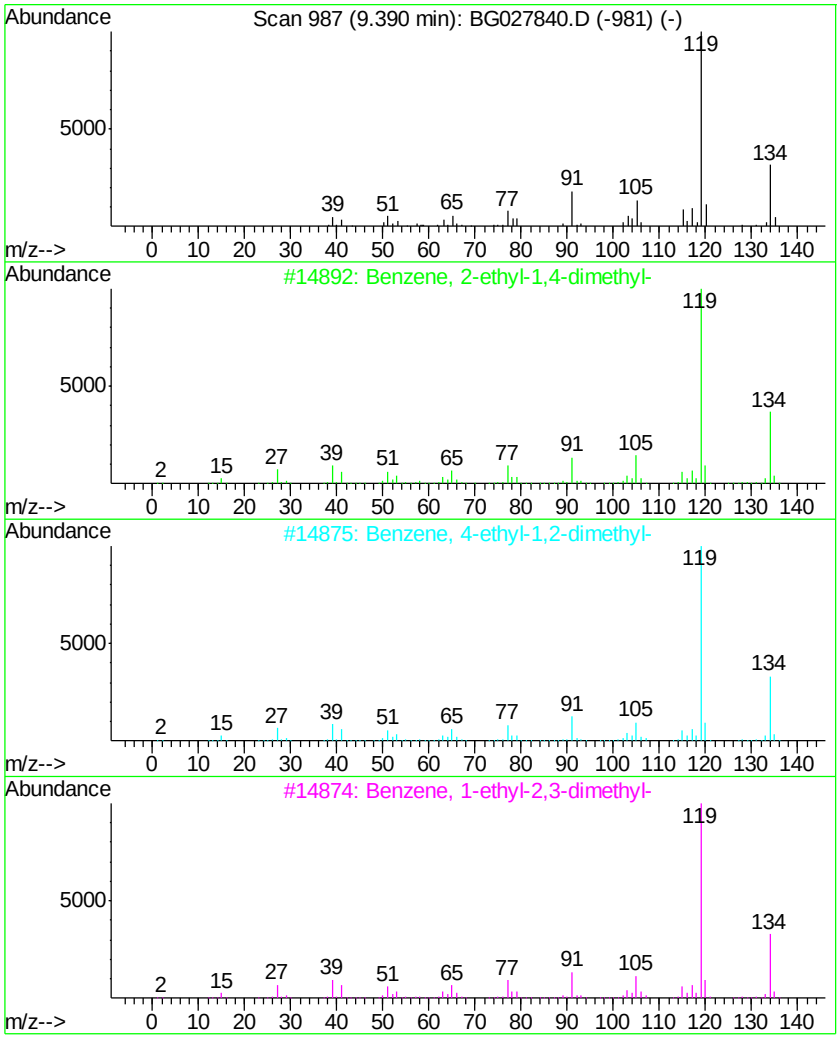
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

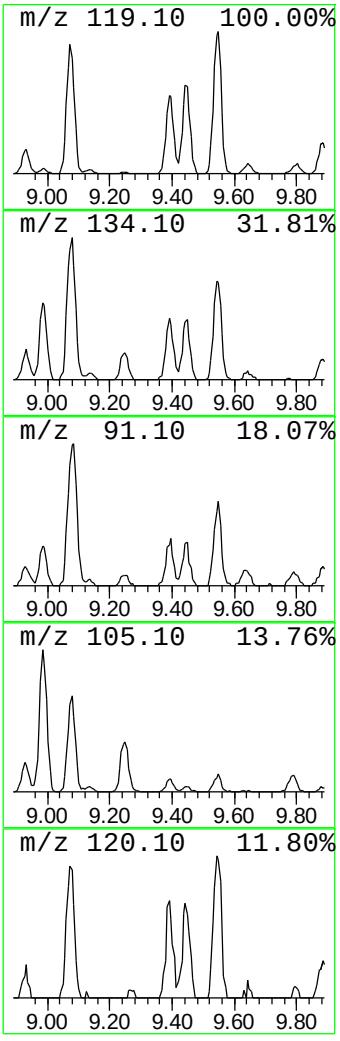
****

Peak Number 16 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.39	9.62 ng	99875	1,4-Dichlorobenzene-d4	8.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
2	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	94
3	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	94
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	93
5	o-Cymene	134	C10H14	000527-84-4	93





Library Search Compound Report

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Data File : BG027840.D
Acq On : 3 Jul 2017 20:13
Operator : SJ/JU
Sample : I3997-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MW12-5-6-GRAB

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG062817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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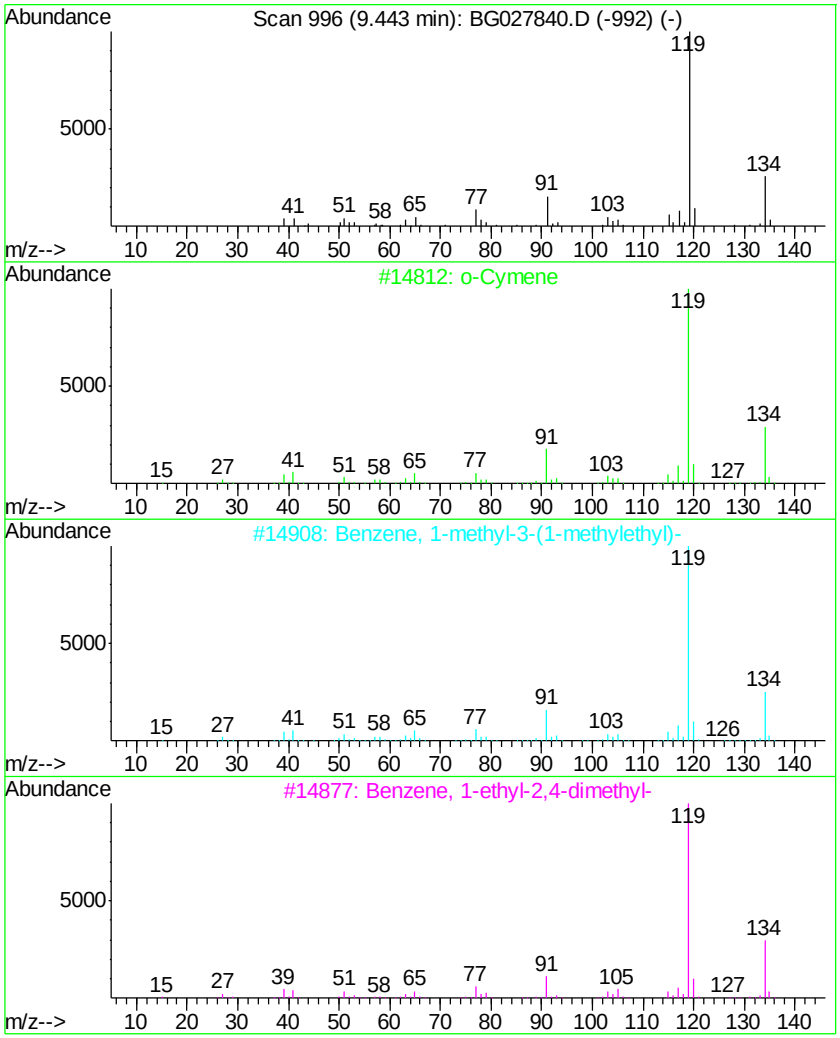
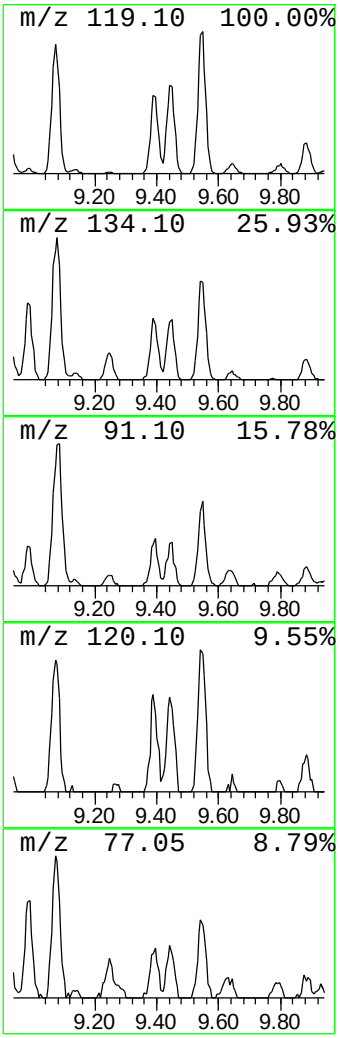
Peak Number 17 o-Cymene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.44	9.50 ng	98557	1,4-Dichlorobenzene-d4	8.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	97
2	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
3	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	94
4	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94
5	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	94





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Sample : I3997-01
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ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MW12-5-6-GRAB

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG062817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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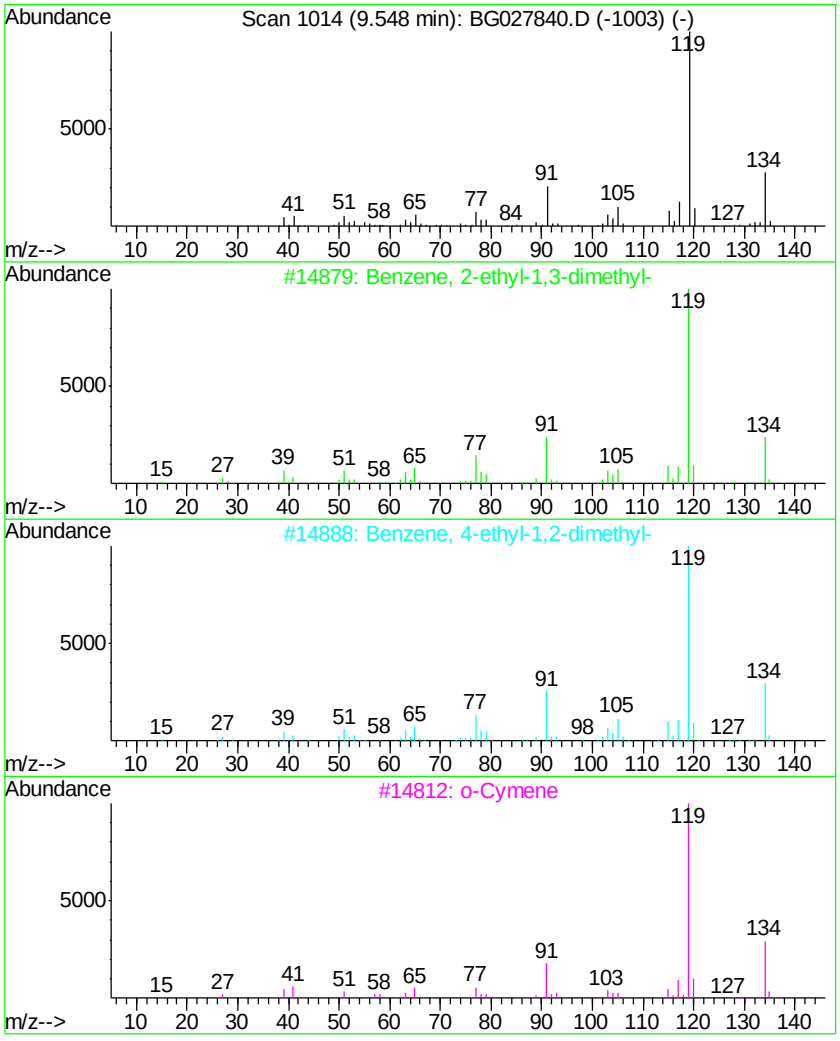
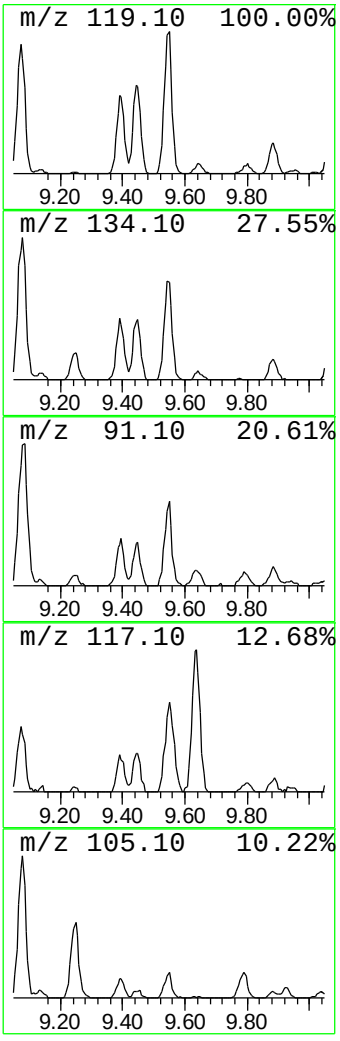
Peak Number 18 Benzene, 2-ethyl-1,3-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.55	19.24 ng	199709	1,4-Dichlorobenzene-d4	8.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	94
2	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	94
3	o-Cymene	134	C10H14	000527-84-4	93
4	p-Cymene	134	C10H14	000099-87-6	93
5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	91





Library Search Compound Report

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Acq On : 3 Jul 2017 20:13
Operator : SJ/JU
Sample : I3997-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MW12-5-6-GRAB

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG062817.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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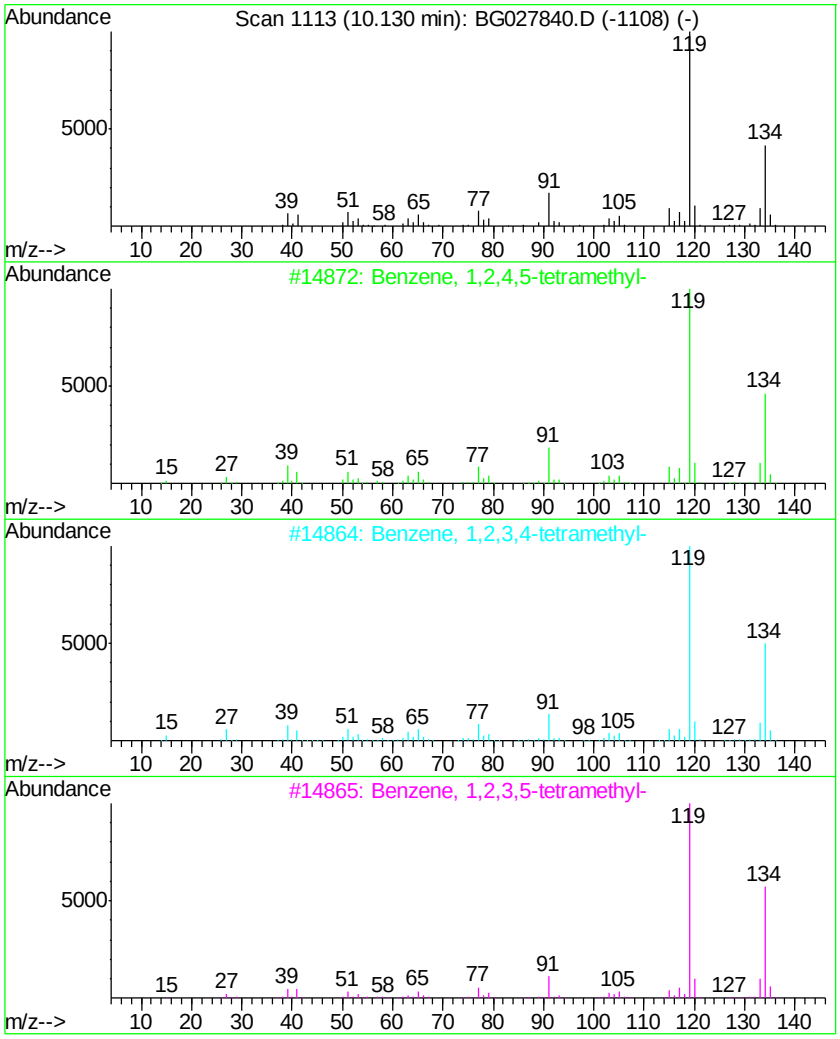
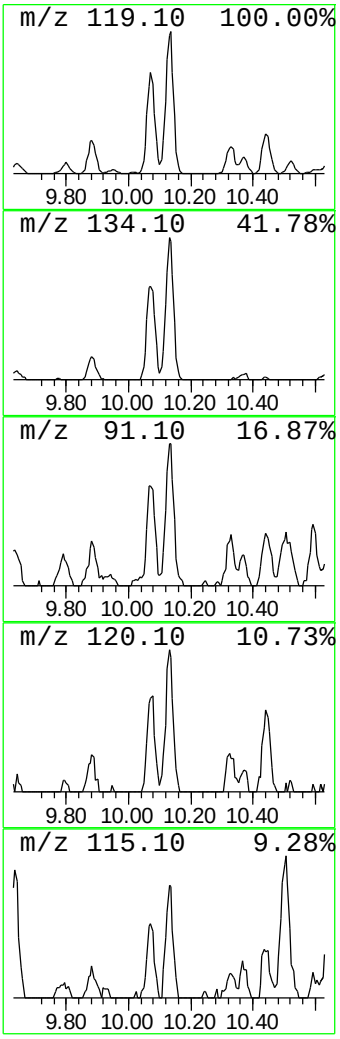
Peak Number 19 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.13	8.63 ng	162388	Naphthalene-d8	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	97
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	94
4	o-Cymene	134	C10H14	000527-84-4	93
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	93





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Acq On : 3 Jul 2017 20:13
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Sample : I3997-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MW12-5-6-GRAB

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG062817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

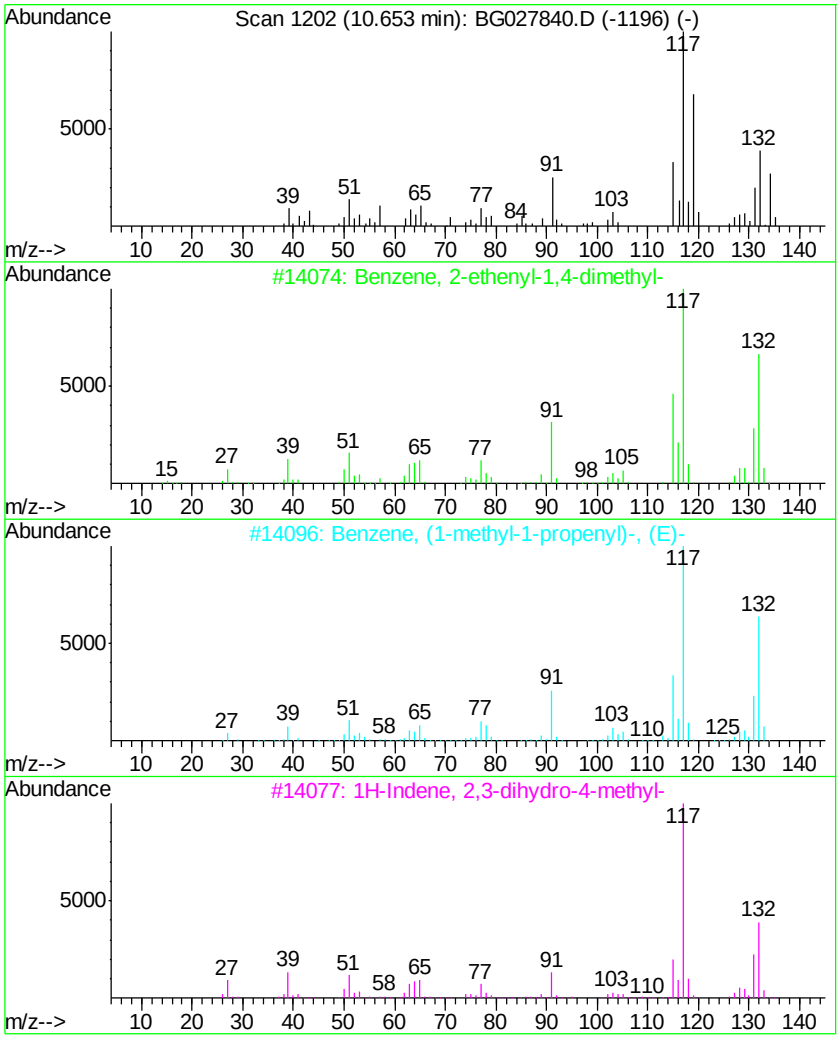
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

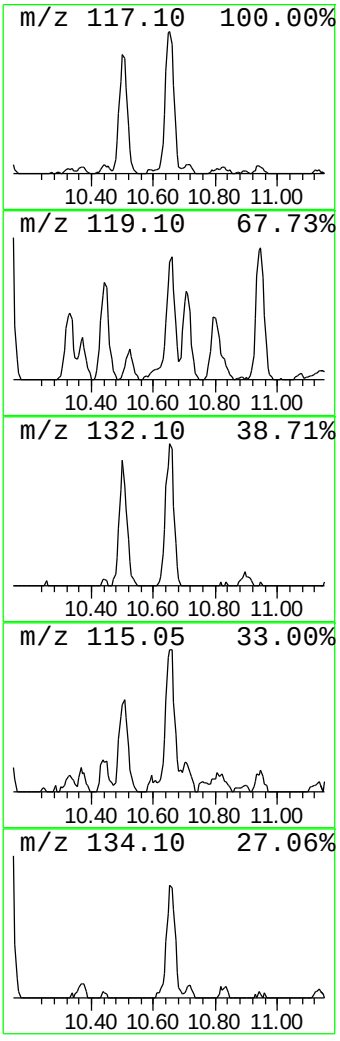
****

Peak Number 20 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.65	8.90 ng	167492	Naphthalene-d8	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	90
2	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	70
3	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	70
4	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	70
5	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	70





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070317\
Data File : BG027840.D
Acq On : 3 Jul 2017 20:13
Operator : SJ/JU
Sample : I3997-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MW12-5-6-GRAB

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG062817.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
Hexane, 2,4-dimet...	4.68	6.8	ng	70967	1	8.45	207582	20.0
Octane	5.01	7.6	ng	78727	1	8.45	207582	20.0
2-Pentanone, 4-hy...	5.58	12.7	ng	131400	1	8.45	207582	20.0
Octane, 2-methyl-	5.92	10.4	ng	108512	1	8.45	207582	20.0
Decane, 2,5,6-tri...	7.42	9.7	ng	100182	1	8.45	207582	20.0
Benzene, 1-ethyl-...	7.53	11.3	ng	117042	1	8.45	207582	20.0
unknown7.99	7.99	85.6	ng	888543	1	8.45	207582	20.0
Benzene, 1,2,3-tr...	8.09	30.1	ng	312622	1	8.45	207582	20.0
Benzene, 1,3-diet...	8.93	6.5	ng	67552	1	8.45	207582	20.0
Benzene, 1-methyl...	8.98	16.9	ng	175001	1	8.45	207582	20.0
Benzene, 1-ethyl-...	9.08	29.3	ng	304170	1	8.45	207582	20.0
Benzene, 2-ethyl-...	9.39	9.6	ng	99875	1	8.45	207582	20.0
o-Cymene	9.44	9.5	ng	98557	1	8.45	207582	20.0
Benzene, 2-ethyl-...	9.55	19.2	ng	199709	1	8.45	207582	20.0
Benzene, 1,2,4,5-...	10.13	8.6	ng	162388	2	11.27	376365	20.0
Benzene, 2-etheny...	10.65	8.9	ng	167492	2	11.27	376365	20.0