LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG101615\
Data File : BG019226.D
Acq On : 16 Oct 2015 16:55
Operator : UM/NP
Sample : G3996-19
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5LK8

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % 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\SOM02.2-EPA-BG101515.M
Title : SVOA CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.890	6	9	15	rVB	6719	8049	1.15%	0.101%
2	3.113	42	47	54	rBV	22218	35947	5.14%	0.450%
3	3.184	54	59	70	rVB	85340	110035	15.73%	1.379%
4	4.194	226	231	238	rBV2	27473	39427	5.64%	0.494%
5	5.105	382	386	392	rVB2	3504	5234	0.75%	0.066%
6	5.187	394	400	406	rBV2	21140	33736	4.82%	0.423%
7	5.299	414	419	424	rBV2	8775	12157	1.74%	0.152%
8	5.652	472	479	486	rVB4	2543	6299	0.90%	0.079%
9	5.840	506	511	516	rBV2	7738	11728	1.68%	0.147%
10	5.922	520	525	529	rVV4	3327	5612	0.80%	0.070%
11	5.975	529	534	539	rVV	17259	26116	3.73%	0.327%
12	6.033	539	544	548	rVV5	11568	22265	3.18%	0.279%
13	6.069	548	550	555	rVB4	8100	9932	1.42%	0.124%
14	6.274	579	585	589	rBV3	4809	7457	1.07%	0.093%
15	6.639	643	647	651	rVV2	3903	5847	0.84%	0.073%
16	6.727	657	662	672	rVB4	31492	66879	9.56%	0.838%
17	6.915	689	694	700	rVB5	4064	7114	1.02%	0.089%
18	7.056	710	718	722	rBV3	19622	32438	4.64%	0.406%
19	7.173	731	738	749	rBV	82475	148134	21.17%	1.856%
20	7.332	759	765	772	rBV	52009	82955	11.86%	1.040%
21	7.408	772	778	784	rVB3	12736	19867	2.84%	0.249%
22	7.538	786	800	807	rBV	76469	150864	21.56%	1.890%
23	7.614	809	813	816	rBV4	3016	5551	0.79%	0.070%
24	7.655	816	820	824	rVB4	6493	9299	1.33%	0.117%
25	7.731	828	833	838	rBV3	17790	29170	4.17%	0.366%
26	7.820	843	848	855	rVB5	8198	17044	2.44%	0.214%
27	8.008	871	880	888	rBV	52387	91550	13.08%	1.147%
28	8.207	908	914	918	rVB4	3924	6512	0.93%	0.082%
29	8.272	919	925	930	rBV	83875	143460	20.50%	1.798%
30	8.401	938	947	951	rBV6	6997	14089	2.01%	0.177%
31	8.448	951	955	959	rBV2	6180	8838	1.26%	0.111%
32	8.654	982	990	995	rBV	47441	82797	11.83%	1.038%
33	8.713	995	1000	1006	rVV	104230	176377	25.21%	2.210%
34	8.783	1006	1012	1020	rVB2	44478	76386	10.92%	0.957%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG101615\
Data File : BG019226.D
Acq On : 16 Oct 2015 16:55
Operator : UM/NP
Sample : G3996-19
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5LK8

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % 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\SOM02.2-EPA-BG101515.M
Title : SVOA CALIBRATION

35	9.112	1059	1068	1072	rVV4	33215	62204	8.89%	0.779%
36	9.165	1072	1077	1084	rVB	80410	138227	19.76%	1.732%
37	9.283	1092	1097	1103	rBV2	29211	49897	7.13%	0.625%
38	9.377	1109	1113	1118	rVB5	4556	8537	1.22%	0.107%
39	9.429	1118	1122	1127	rVB3	6286	10292	1.47%	0.129%
40	9.553	1138	1143	1149	rBV4	9557	15369	2.20%	0.193%
41	9.770	1174	1180	1189	rVB2	16705	28387	4.06%	0.356%
42	9.888	1193	1200	1208	rBV	81652	146497	20.94%	1.836%
43	9.982	1212	1216	1218	rBV3	11828	18803	2.69%	0.236%
44	10.093	1232	1235	1241	rVB3	6389	11374	1.63%	0.143%
45	10.252	1254	1262	1265	rBV4	9081	18010	2.57%	0.226%
46	10.287	1265	1268	1276	rVB2	14140	21281	3.04%	0.267%
47	10.434	1286	1293	1301	rBV	113597	202183	28.90%	2.534%
48	10.675	1325	1334	1345	rVB8	7308	22067	3.15%	0.277%
49	10.810	1348	1357	1363	rBV	83978	154354	22.06%	1.934%
50	10.945	1373	1380	1389	rVB	88058	160205	22.90%	2.008%
51	11.157	1411	1416	1423	rVV8	5442	12146	1.74%	0.152%
52	11.227	1423	1428	1436	rVV7	3523	9505	1.36%	0.119%
53	11.351	1443	1449	1455	rVV3	3183	6193	0.89%	0.078%
54	11.639	1491	1498	1503	rBV2	10038	18275	2.61%	0.229%
55	11.885	1535	1540	1544	rVB4	2810	4720	0.67%	0.059%
56	12.220	1593	1597	1602	rBV3	3623	5989	0.86%	0.075%
57	12.467	1634	1639	1645	rBV4	2388	4770	0.68%	0.060%
58	12.690	1672	1677	1687	rVB5	3014	7082	1.01%	0.089%
59	13.066	1732	1741	1748	rBV9	6532	17810	2.55%	0.223%
60	13.460	1804	1808	1813	rBV3	5578	8730	1.25%	0.109%
61	13.701	1846	1849	1853	rBV3	3746	5587	0.80%	0.070%
62	13.912	1882	1885	1889	rBV3	4037	5758	0.82%	0.072%
63	14.042	1901	1907	1911	rVV	227894	322337	46.07%	4.039%
64	14.089	1911	1915	1920	rVV	63815	92048	13.16%	1.153%
65	14.130	1920	1922	1931	rVB7	6980	12007	1.72%	0.150%
66	14.330	1950	1956	1963	rVB	215810	340083	48.61%	4.262%
67	14.529	1986	1990	1994	rVV2	7439	10032	1.43%	0.126%
68	14.635	2000	2008	2016	rVB2	145634	233550	33.38%	2.927%
69	14.788	2029	2034	2036	rBV3	4128	5832	0.83%	0.073%
70	14.835	2036	2042	2056	rVB	136346	213191	30.47%	2.671%
71	14.982	2064	2067	2072	rVB4	3747	4819	0.69%	0.060%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG101615\
Data File : BG019226.D
Acq On : 16 Oct 2015 16:55
Operator : UM/NP
Sample : G3996-19
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5LK8

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % 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\SOM02.2-EPA-BG101515.M
Title : SVOA CALIBRATION

72	15.058	2077	2080	2085	rVB4	4558	6537	0.93%	0.082%
73	15.481	2146	2152	2157	rBV	13804	19367	2.77%	0.243%
74	15.628	2171	2177	2183	rVV	304049	449914	64.30%	5.638%
75	15.740	2190	2196	2202	rBV	130711	189216	27.04%	2.371%
76	15.887	2215	2221	2225	rVB7	5621	10532	1.51%	0.132%
77	16.345	2294	2299	2302	rBV	15669	23594	3.37%	0.296%
78	16.521	2326	2329	2334	rVB4	3266	5158	0.74%	0.065%
79	17.132	2429	2433	2439	rVV2	17369	23389	3.34%	0.293%
80	17.191	2439	2443	2447	rVV3	4592	7526	1.08%	0.094%
81	17.385	2468	2476	2481	rBV	215045	322132	46.04%	4.037%
82	17.479	2486	2492	2499	rVV2	357650	547259	78.22%	6.858%
83	17.573	2502	2508	2516	rVV5	12599	28061	4.01%	0.352%
84	17.761	2534	2540	2543	rBV4	7215	10786	1.54%	0.135%
85	17.872	2555	2559	2566	rVB	11928	16383	2.34%	0.205%
86	18.272	2622	2627	2631	rBV3	19511	27779	3.97%	0.348%
87	18.566	2673	2677	2683	rVB2	7827	10532	1.51%	0.132%
88	18.695	2695	2699	2702	rBV2	15642	15749	2.25%	0.197%
89	19.194	2781	2784	2789	rVB2	10611	10840	1.55%	0.136%
90	19.400	2816	2819	2823	rBV	4993	7136	1.02%	0.089%
91	19.541	2839	2843	2850	rBV5	3427	6452	0.92%	0.081%
92	19.770	2874	2882	2890	rBV	481003	699667	100.00%	8.768%
93	20.299	2969	2972	2977	rVB2	9948	11978	1.71%	0.150%
94	20.775	3048	3053	3055	rBV4	17508	21880	3.13%	0.274%
95	21.292	3137	3141	3148	rVB2	22928	32783	4.69%	0.411%
96	21.650	3195	3202	3208	rBV	255540	423810	60.57%	5.311%
97	23.337	3484	3489	3498	rVB2	21350	40434	5.78%	0.507%
98	23.730	3555	3556	3562	rVB5	4170	6401	0.91%	0.080%
99	24.635	3699	3710	3722	rVV	248093	693251	99.08%	8.687%
100	24.853	3737	3747	3762	rVB	136168	394338	56.36%	4.941%

Sum of corrected areas: 7980200

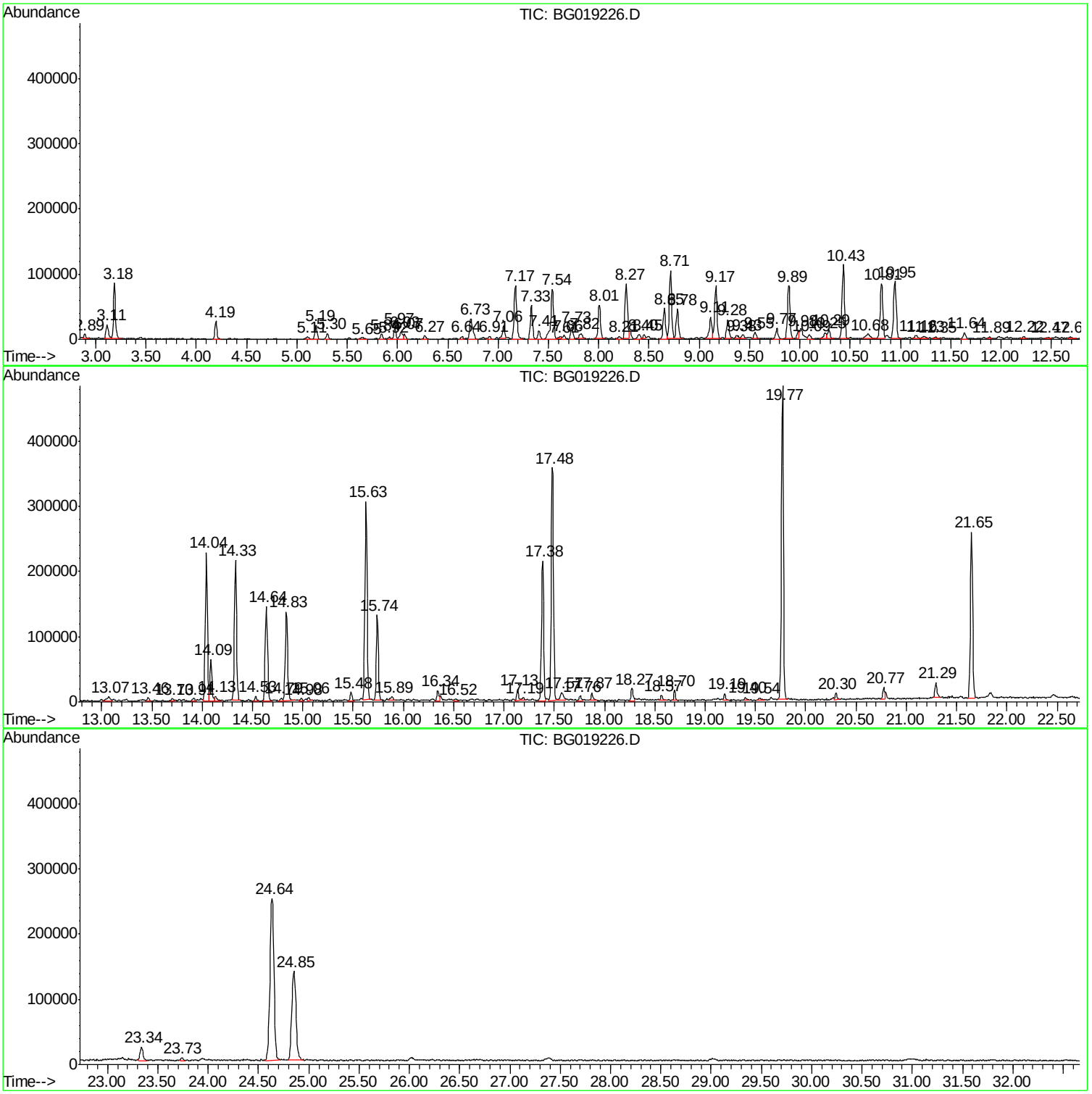
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA G\DATA\BG101615\
Data File : BG019226.D
Acq On : 16 Oct 2015 16:55
Operator : UM/NP
Sample : G3996-19
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5LK8

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG101515.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG101615\
Data File : BG019226.D
Acq On : 16 Oct 2015 16:55
Operator : UM/NP
Sample : G3996-19
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5LK8

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG101515.M
Quant Title : SVOA CALIBRATION

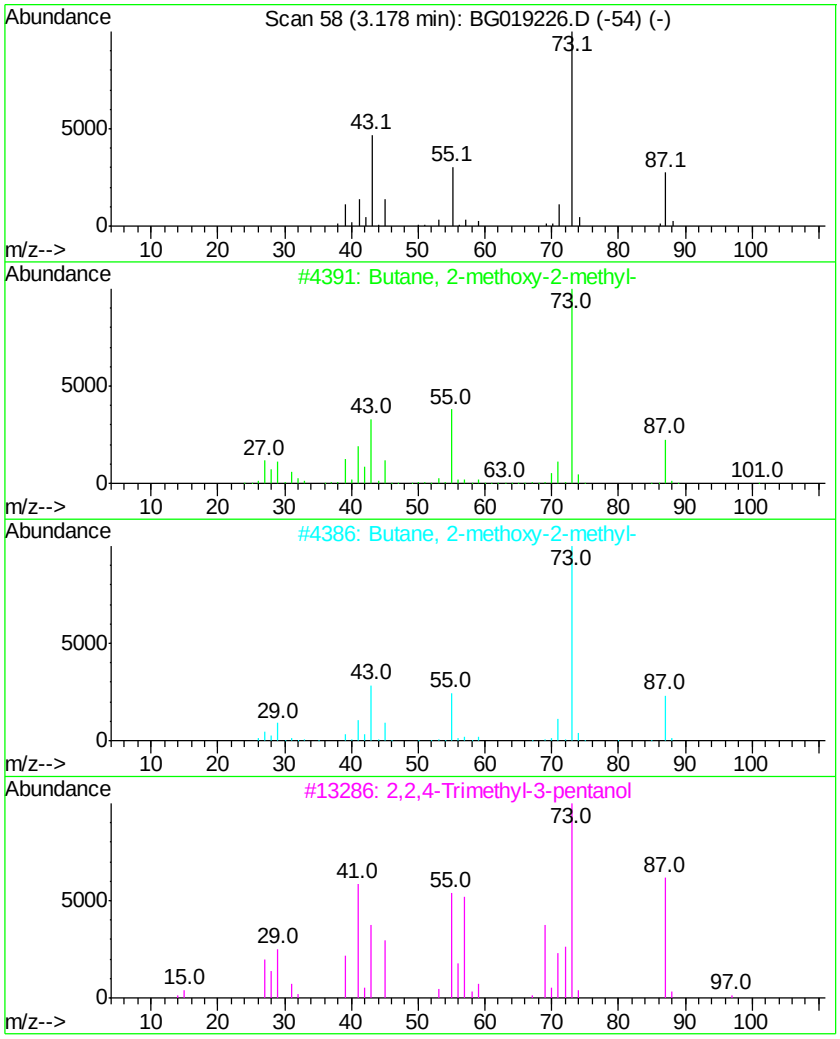
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

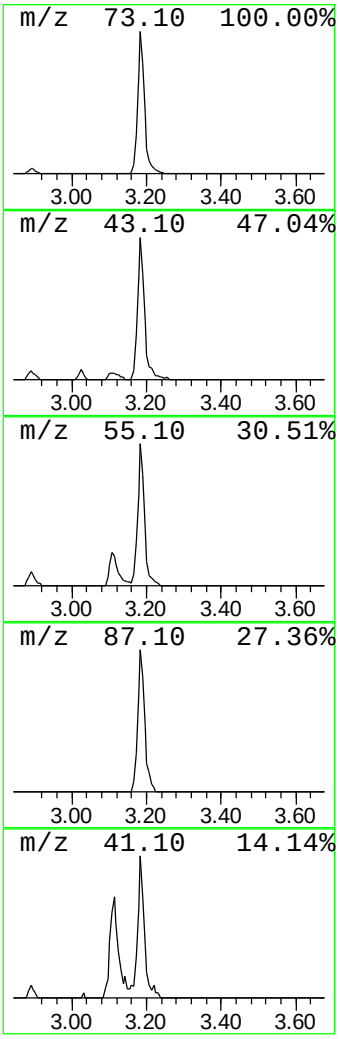
****

Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.18	24.04 ng/ul	110035	1,4-Dichlorobenzene-d4	8.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	74
3	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
4	Silane, tetramethyl-	88	C4H12Si	000075-76-3	23
5	Silane, tetramethyl-	88	C4H12Si	000075-76-3	23





Data Path : Z:\HPCHEM1\BNA G\DATA\BG101615\
Data File : BG019226.D
Acq On : 16 Oct 2015 16:55
Operator : UM/NP
Sample : G3996-19
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5LK8

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG101515.M
Quant Title : SVOA CALIBRATION

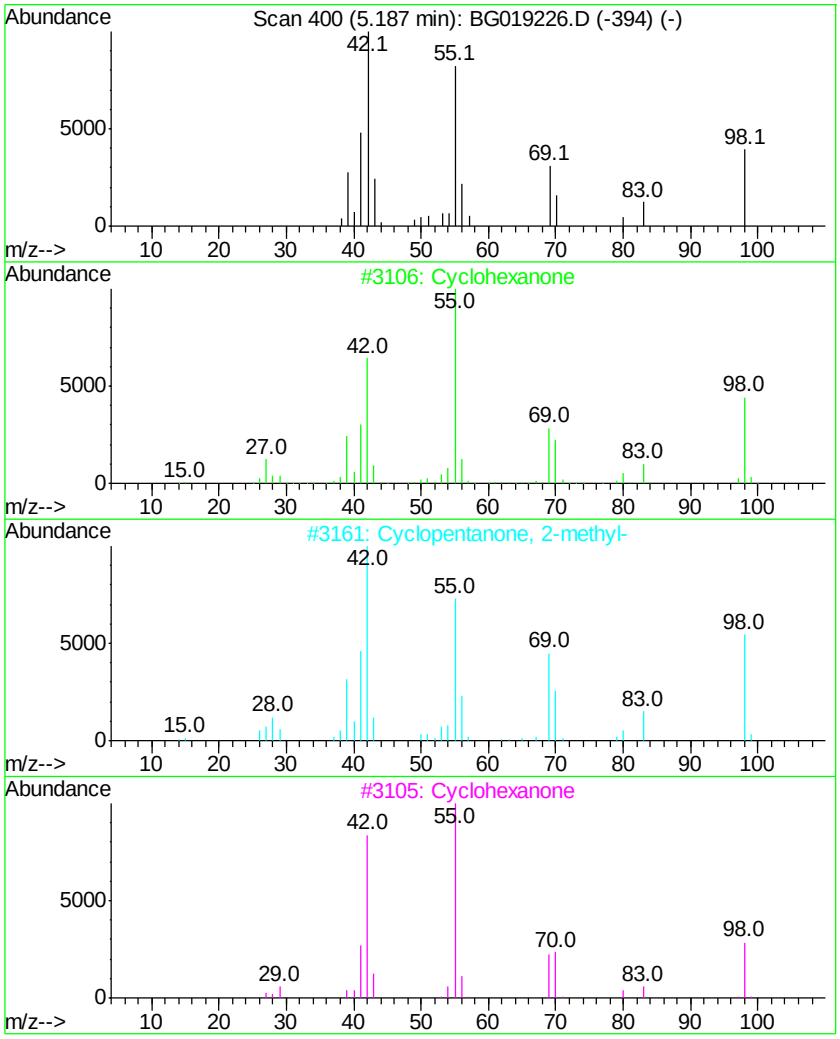
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

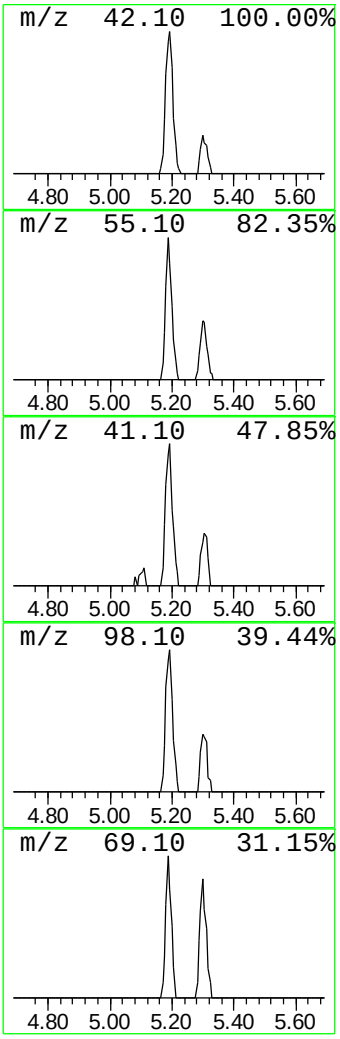
****

Peak Number 4 Cyclohexanone Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.19	7.37 ng/ul	33736	1,4-Dichlorobenzene-d4	8.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexanone	98	C6H10O	000108-94-1	86
2	Cyclopentanone, 2-methyl-	98	C6H10O	001120-72-5	80
3	Cyclohexanone	98	C6H10O	000108-94-1	72
4	Cyclohexanone	98	C6H10O	000108-94-1	52
5	Cyclohexanone	98	C6H10O	000108-94-1	52





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG101615\
Data File : BG019226.D
Acq On : 16 Oct 2015 16:55
Operator : UM/NP
Sample : G3996-19
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5LK8

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG101515.M
Quant Title : SVOA CALIBRATION

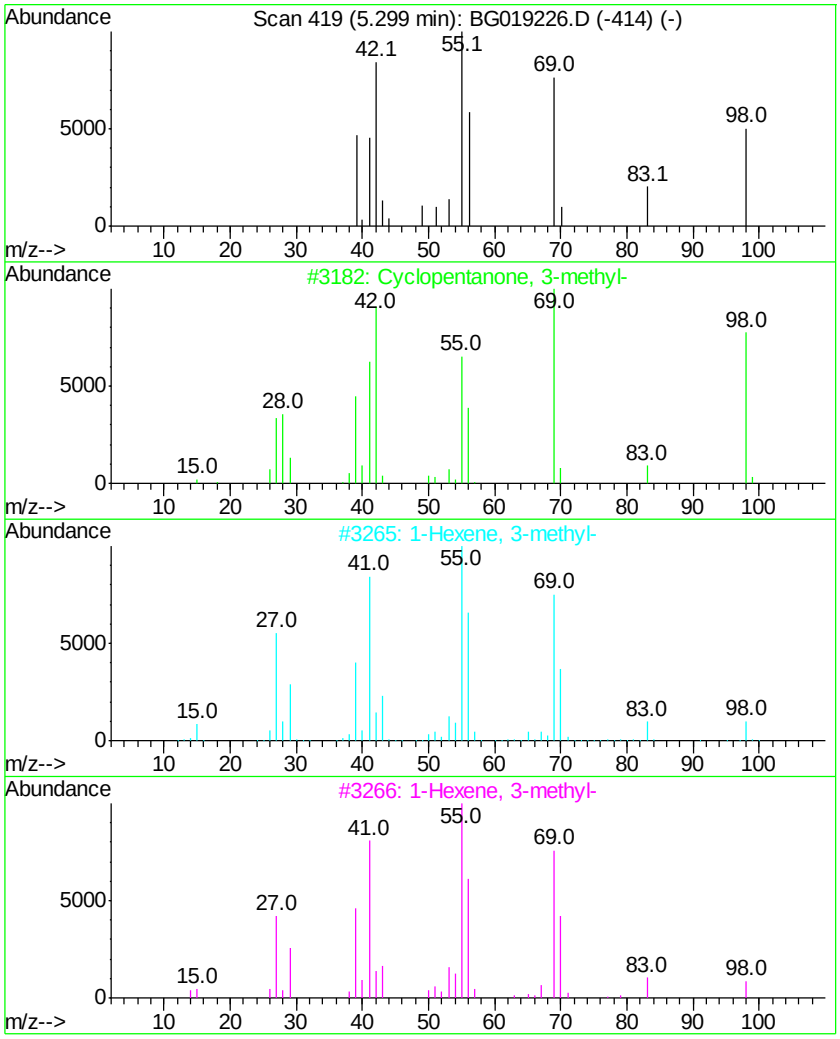
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

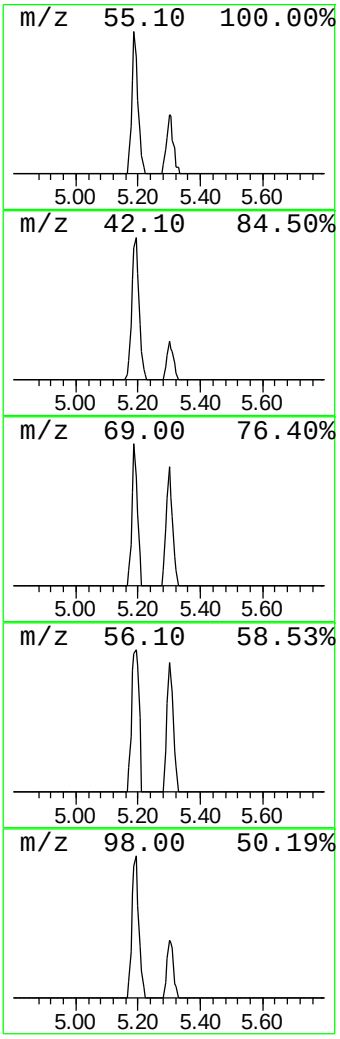
****

Peak Number 5 Cyclopentanone, 3-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.30	2.66 ng/ul	12157	1,4-Dichlorobenzene-d4	8.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentanone, 3-methyl-	98	C6H10O	001757-42-2	53
2	1-Hexene, 3-methyl-	98	C7H14	003404-61-3	28
3	1-Hexene, 3-methyl-	98	C7H14	003404-61-3	28
4	3-Hexene, 2-methyl-, (E)-	98	C7H14	000692-24-0	25
5	6-Oxabicyclo[3.1.0]hexane	84	C5H8O	000285-67-6	17





Data Path : Z:\HPCHEM1\BNA G\DATA\BG101615\
Data File : BG019226.D
Acq On : 16 Oct 2015 16:55
Operator : UM/NP
Sample : G3996-19
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5LK8

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG101515.M
Quant Title : SVOA CALIBRATION

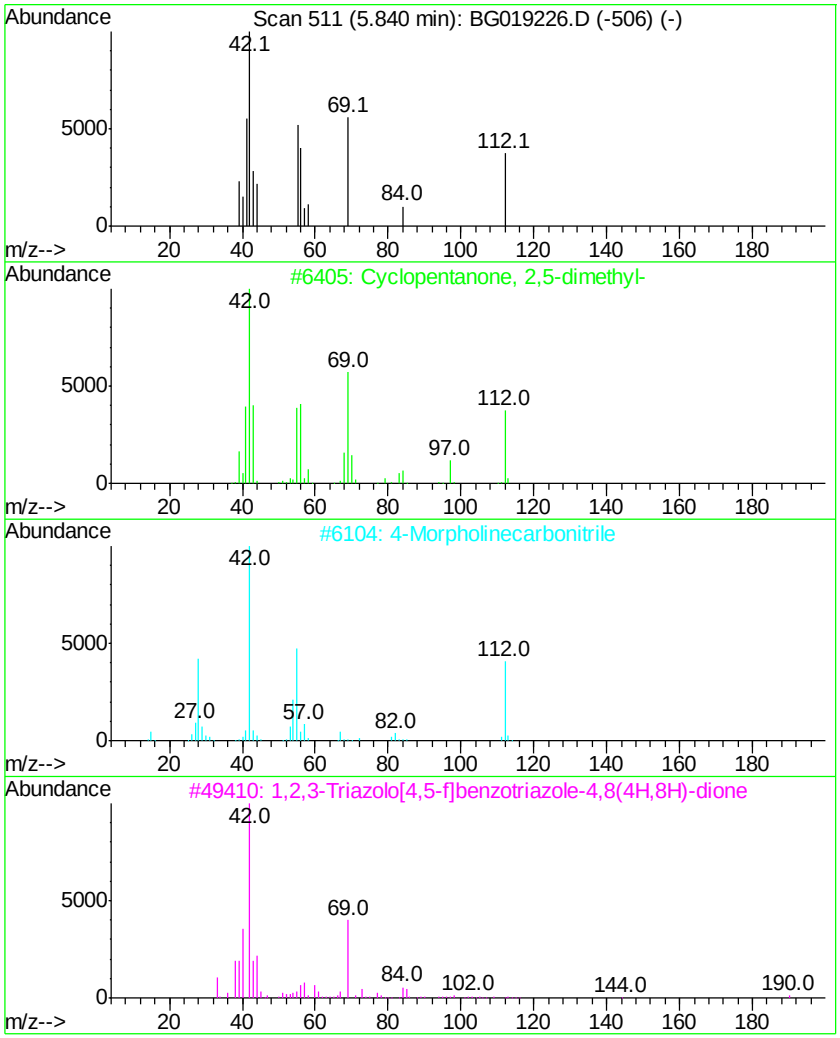
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

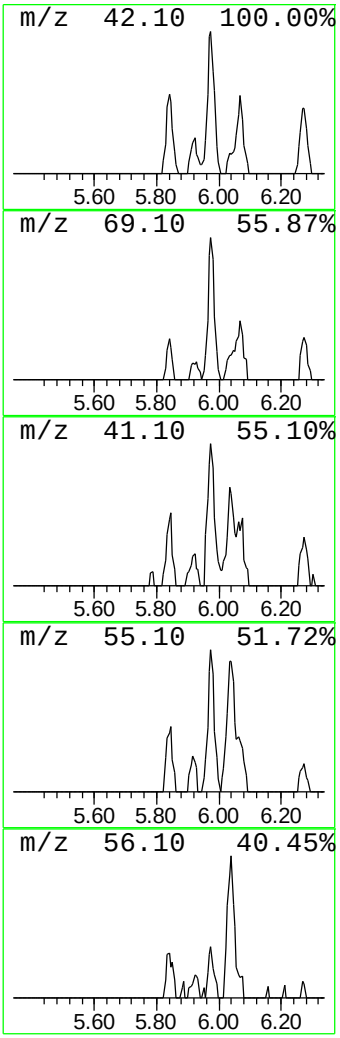
****

Peak Number 6 Cyclopentanone, 2,5-dimethyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.84	2.56 ng/ul	11728	1,4-Dichlorobenzene-d4	8.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentanone, 2,5-dimethyl-	112	C7H12O	004041-09-2	80
2	4-Morpholinecarbonitrile	112	C5H8N2O	001530-89-8	37
3	1,2,3-Triazolo[4,5-f]benzotriazo...	190	C6H2N6O2	069370-63-4	33
4	Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	23
5	Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	23





Data Path : Z:\HPCHEM1\BNA G\DATA\BG101615\
Data File : BG019226.D
Acq On : 16 Oct 2015 16:55
Operator : UM/NP
Sample : G3996-19
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5LK8

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG101515.M
Quant Title : SVOA CALIBRATION

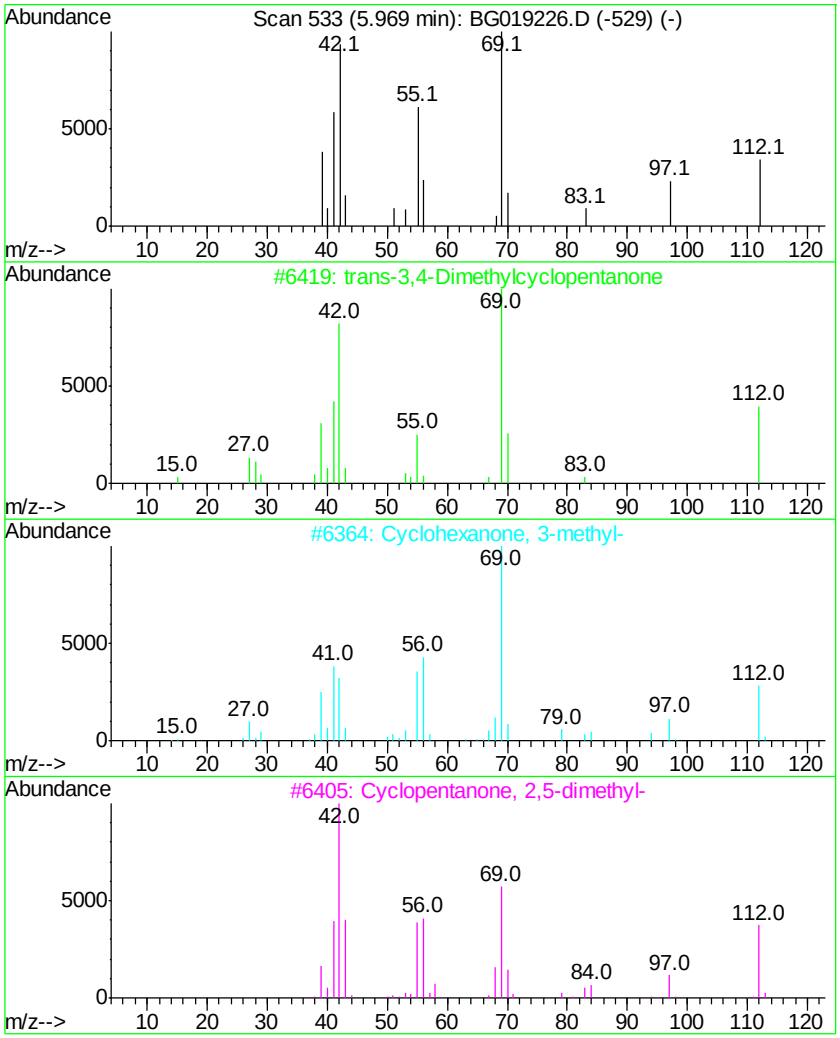
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

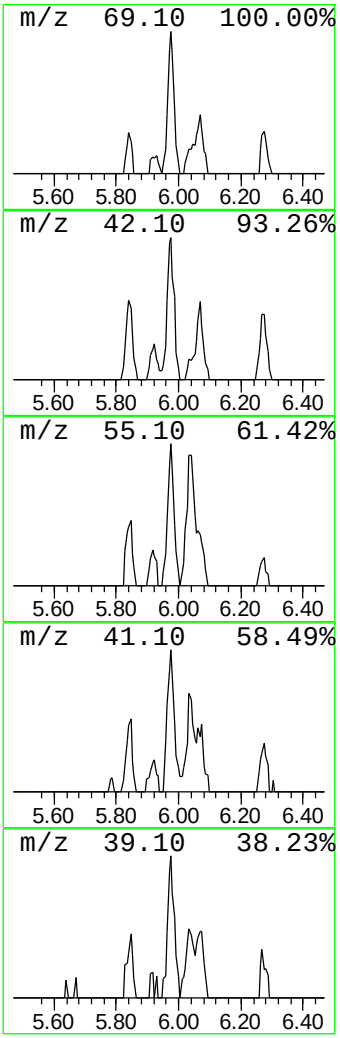
****

Peak Number 7 trans-3,4-Dimethylcyclopent... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.97	5.71 ng/ul	26116	1,4-Dichlorobenzene-d4	8.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	trans-3,4-Dimethylcyclopentanone	112	C7H12O	019550-73-3	64
2	Cyclohexanone, 3-methyl-	112	C7H12O	000591-24-2	59
3	Cyclopentanone, 2,5-dimethyl-	112	C7H12O	004041-09-2	56
4	2-Hexene, 2,5-dimethyl-	112	C8H16	003404-78-2	47
5	1-Pentene, 3,3-dimethyl-	98	C7H14	003404-73-7	43





Data Path : Z:\HPCHEM1\BNA G\DATA\BG101615\
Data File : BG019226.D
Acq On : 16 Oct 2015 16:55
Operator : UM/NP
Sample : G3996-19
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5LK8

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG101515.M
Quant Title : SVOA CALIBRATION

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

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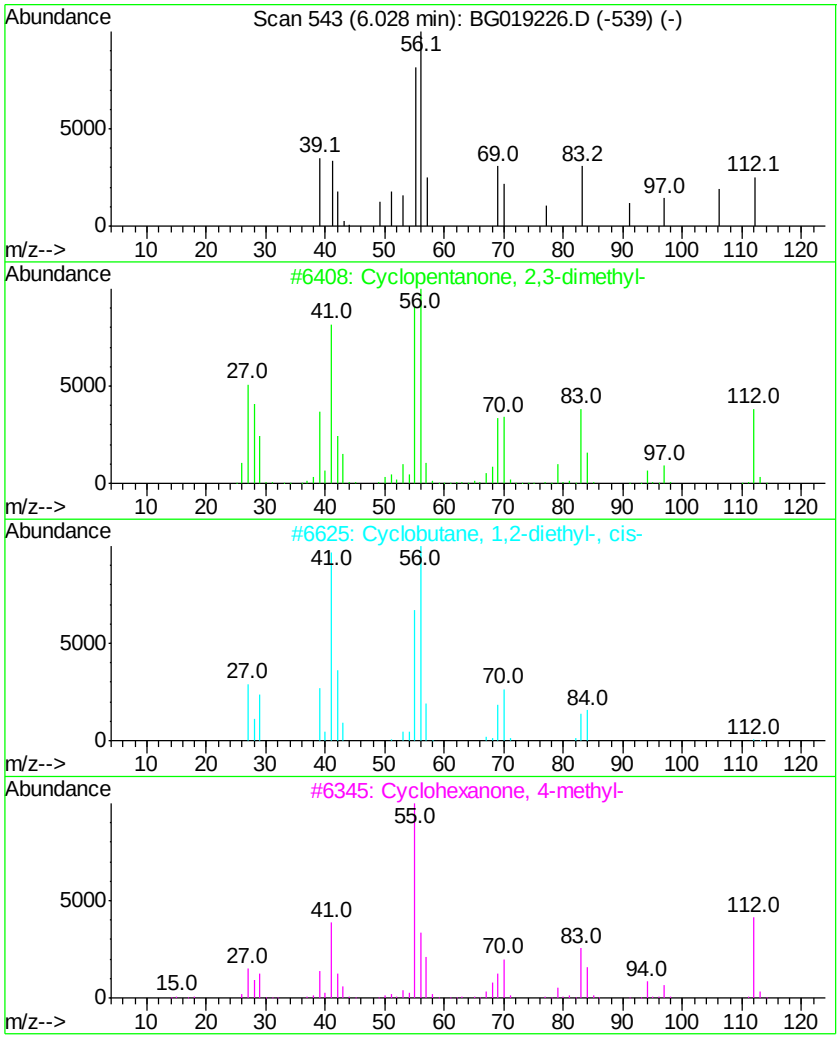
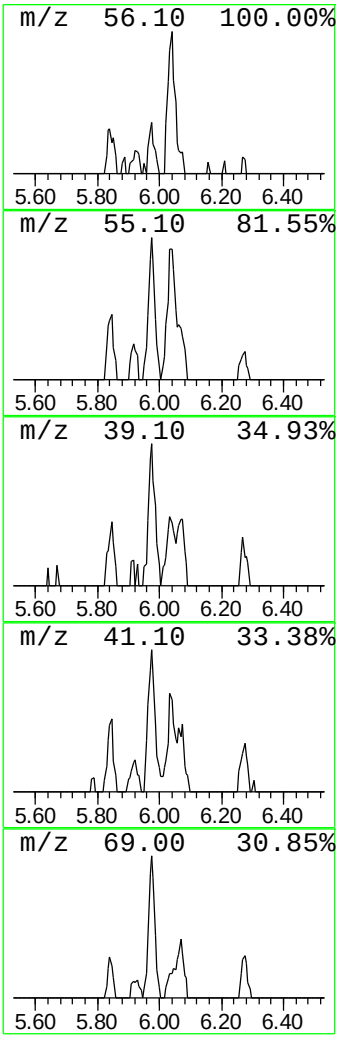
Peak Number 8 Cyclopentanone, 2,3-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.03	4.86 ng/ul	22265	1,4-Dichlorobenzene-d4	8.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentanone, 2,3-dimethyl-	112	C7H12O	1000151-06-7	96
2	Cyclobutane, 1,2-diethyl-, cis-	112	C8H16	061141-50-2	53
3	Cyclohexanone, 4-methyl-	112	C7H12O	000589-92-4	52
4	Cyclohexane, 1,2-dimethyl-	112	C8H16	000583-57-3	49
5	Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	47





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Acq On : 16 Oct 2015 16:55
Operator : UM/NP
Sample : G3996-19
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5LK8

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Quant Title : SVOA CALIBRATION

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

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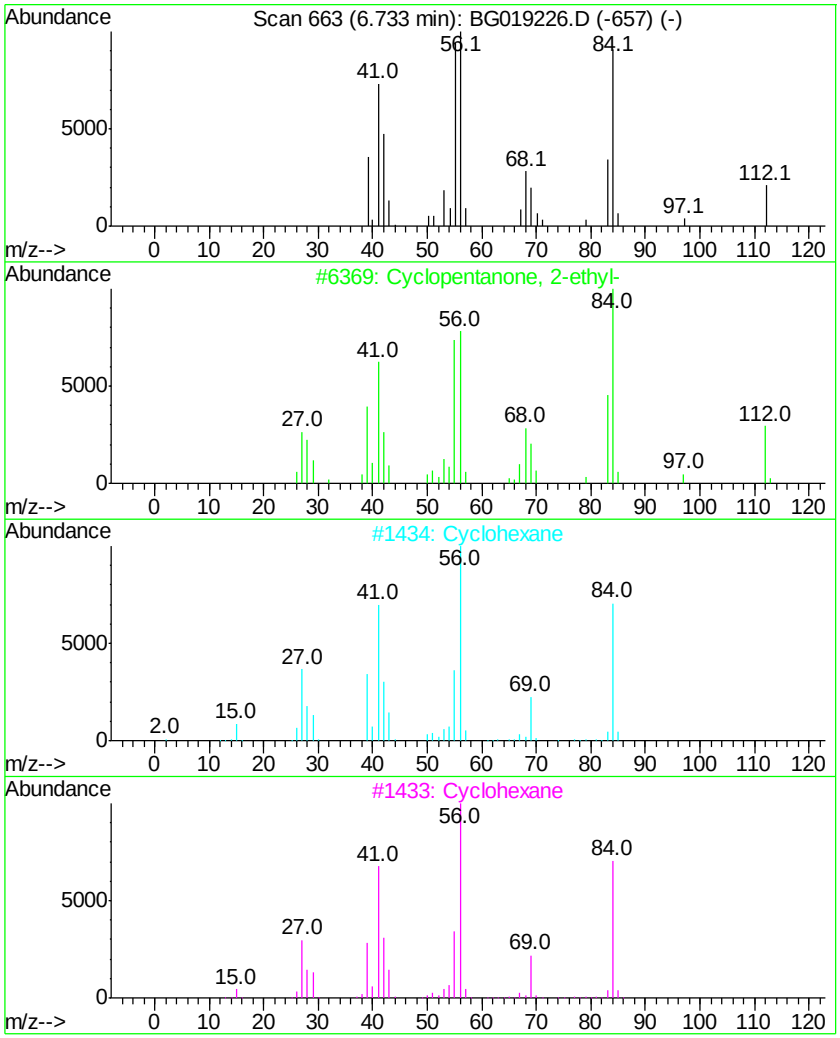
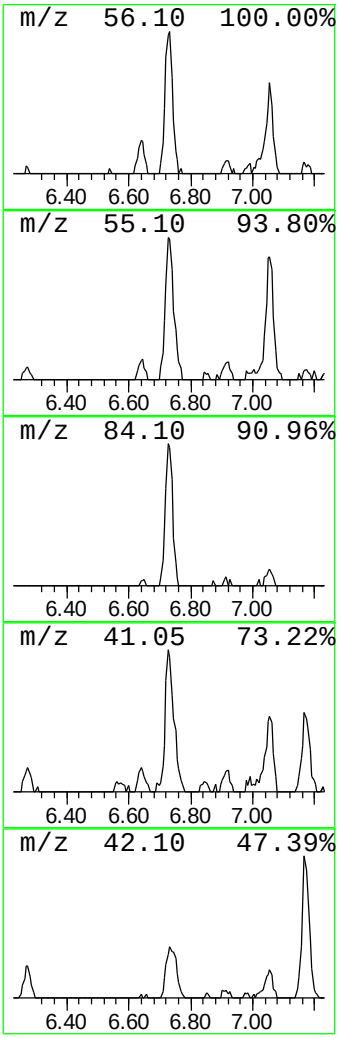
Peak Number 10 Cyclopentanone, 2-ethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.73	14.61 ng/ul	66879	1,4-Dichlorobenzene-d4	8.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentanone, 2-ethyl-	112	C7H12O	004971-18-0	74
2	Cyclohexane	84	C6H12	000110-82-7	53
3	Cyclohexane	84	C6H12	000110-82-7	49
4	Cyclopentanone, 2-ethyl-	112	C7H12O	004971-18-0	49
5	1-Hexene	84	C6H12	000592-41-6	47





Library Search Compound Report

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ClientSampleId : E5LK8

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Quant Title : SVOA CALIBRATION

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

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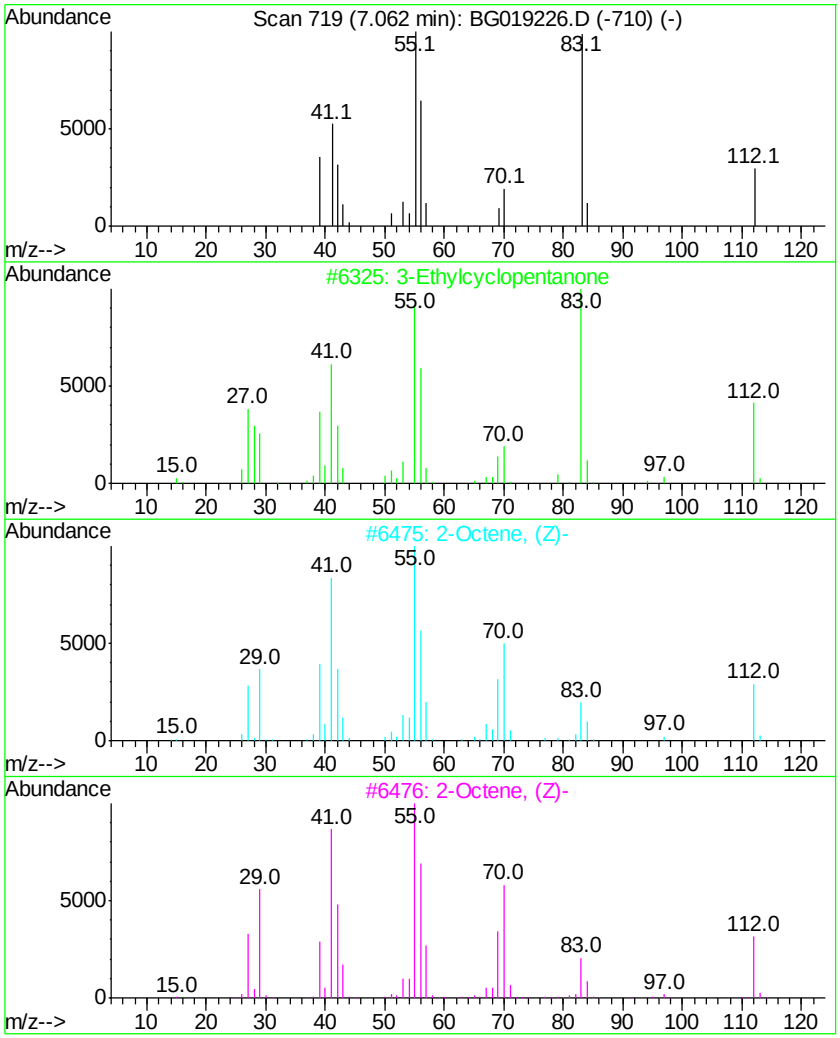
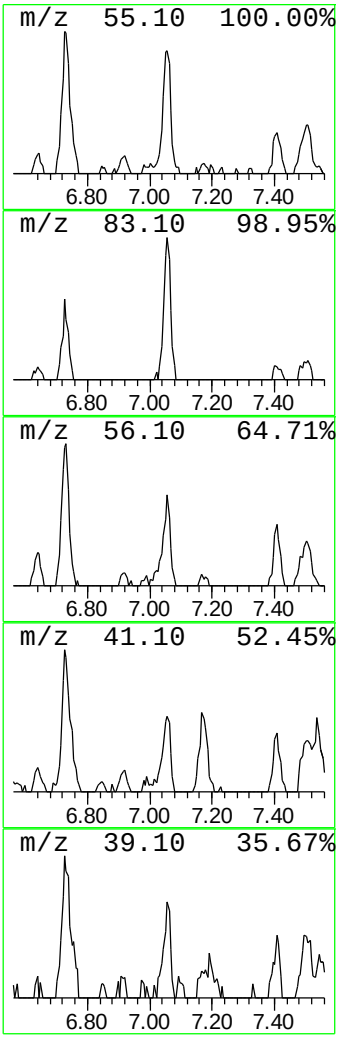
Peak Number 11 3-Ethylcyclopentanone Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.06	7.09 ng/ul	32438	1,4-Dichlorobenzene-d4	8.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Ethylcyclopentanone	112	C7H12O	010264-55-8	87
2	2-Octene, (Z)-	112	C8H16	007642-04-8	64
3	2-Octene, (Z)-	112	C8H16	007642-04-8	59
4	Cyclohexane, ethyl-	112	C8H16	001678-91-7	50
5	Cyclohexane, ethyl-	112	C8H16	001678-91-7	50





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ClientSampleId : E5LK8

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Quant Title : SVOA CALIBRATION

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

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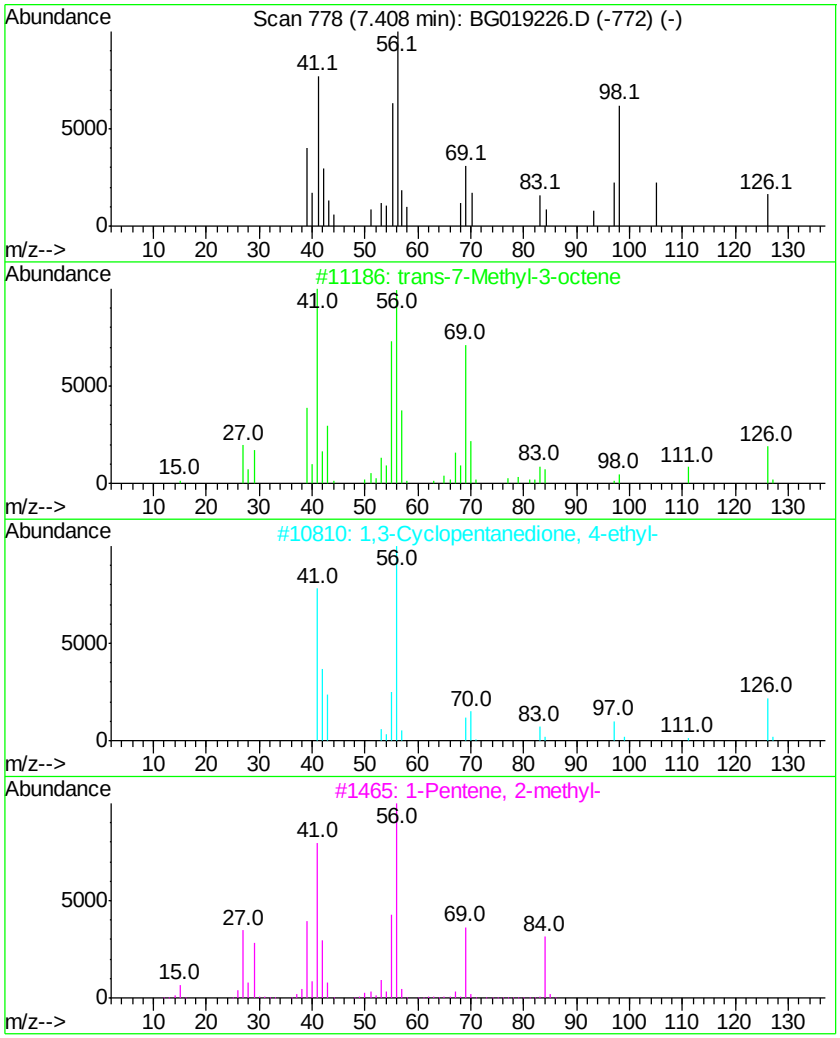
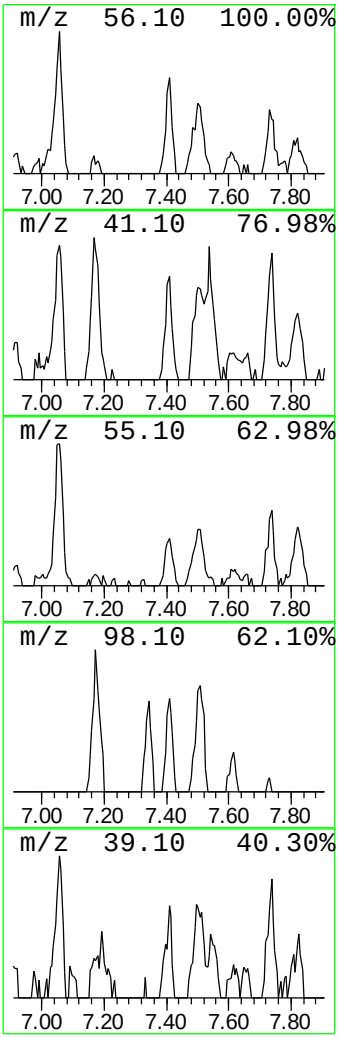
Peak Number 12 (DEL) Alkane: Cyclic7.41 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.41	4.34 ng/ul	19867	1,4-Dichlorobenzene-d4	8.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	trans-7-Methyl-3-octene	126	C9H18	1000113-52-8	55
2	1,3-Cyclopentanedione, 4-ethyl-	126	C7H10O2	057157-03-6	49
3	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	46
4	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	46
5	(Z)-2-Heptene	98	C7H14	006443-92-1	43





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Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5LK8

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Quant Title : SVOA CALIBRATION

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

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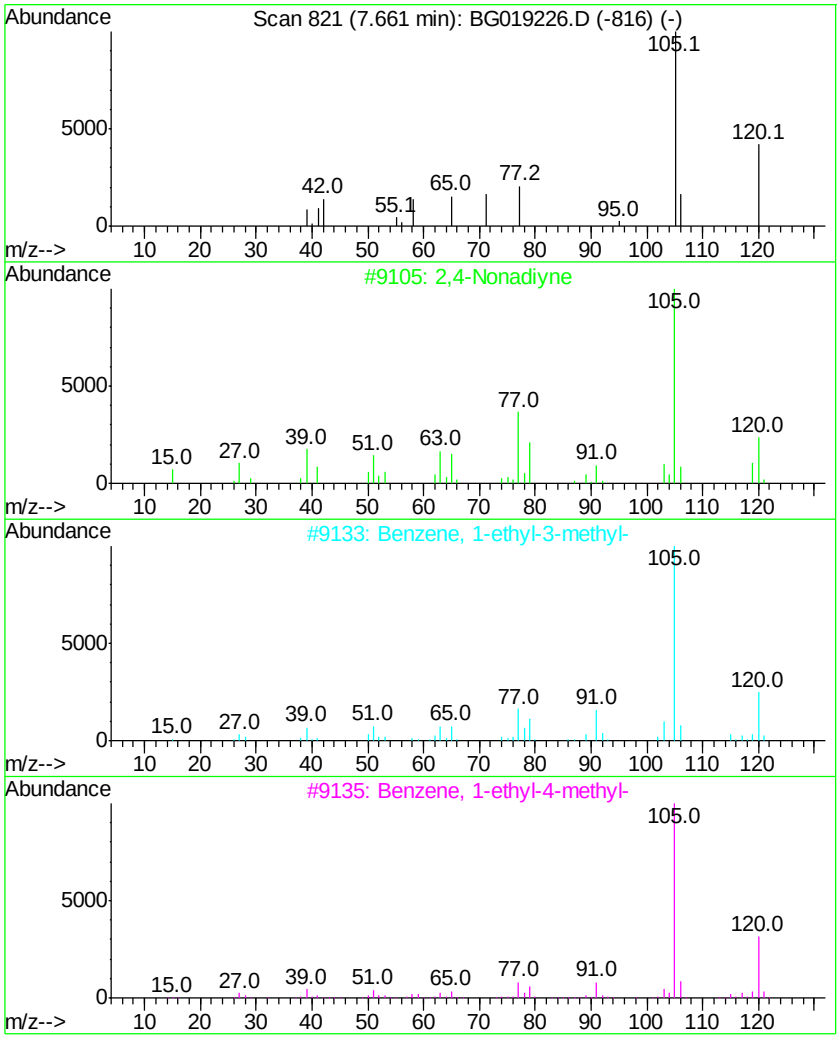
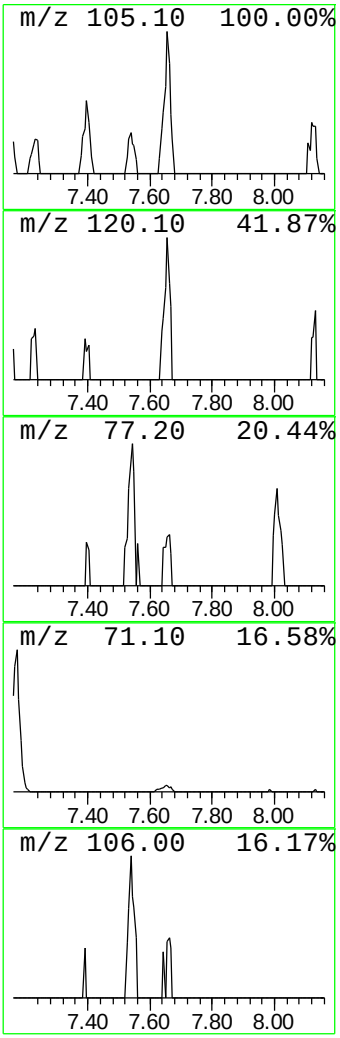
Peak Number 13 2,4-Nonadiyne Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.66	2.03 ng/ul	9299	1,4-Dichlorobenzene-d4	8.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4-Nonadiyne	120	C9H12	063621-15-8	64
2	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	59
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	53
4	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	53
5	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	53





Library Search Compound Report

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Operator : UM/NP
Sample : G3996-19
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5LK8

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Quant Title : SVOA CALIBRATION

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

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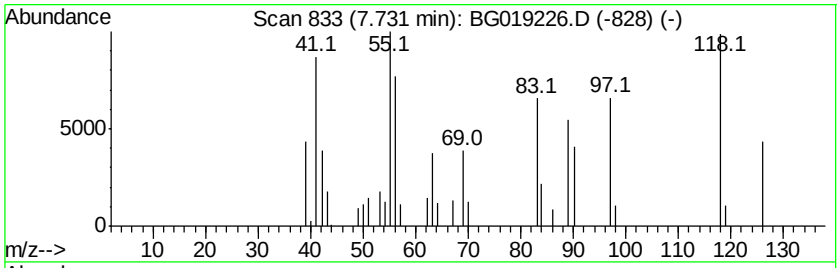
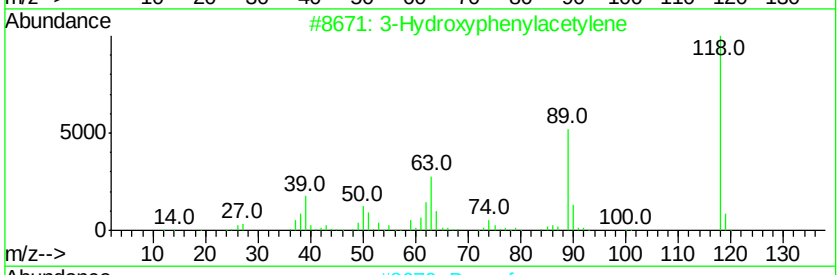
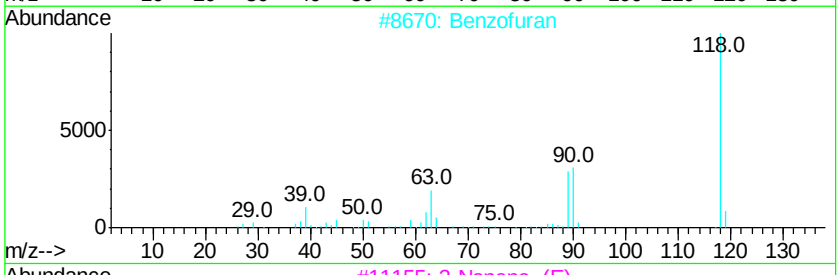
Peak Number 14 unknown-01 Concentration Rank 11

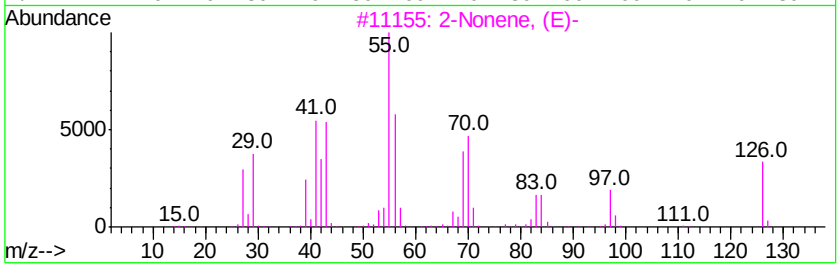
R.T.	EstConc	Area	Relative to ISTD	R.T.
7.73	6.37 ng/ul	29170	1,4-Dichlorobenzene-d4	8.01

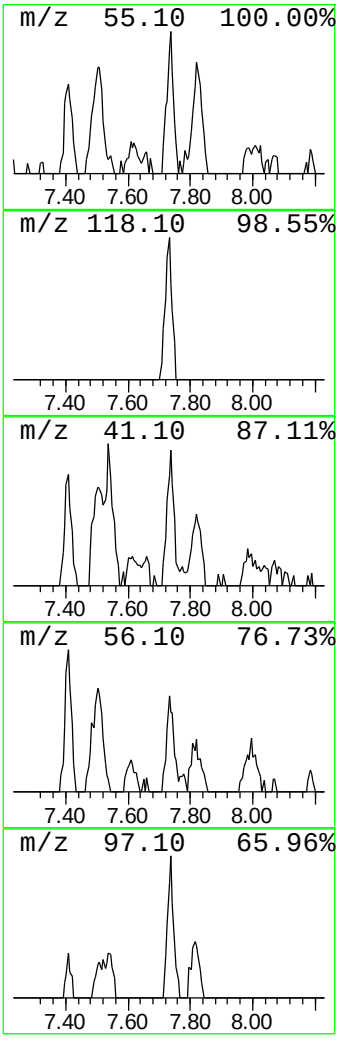
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Hydroxyphenylacetylene	118	C8H6O	010401-11-3	42
2	Benzofuran	118	C8H6O	000271-89-6	38
3	2-Nonene, (E)-	126	C9H18	006434-78-2	38
4	cis-2-Nonene	126	C9H18	006434-77-1	30
5	cis-2-Nonene	126	C9H18	006434-77-1	30











Library Search Compound Report

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Acq On : 16 Oct 2015 16:55
Operator : UM/NP
Sample : G3996-19
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5LK8

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG101515.M
Quant Title : SVOA CALIBRATION

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

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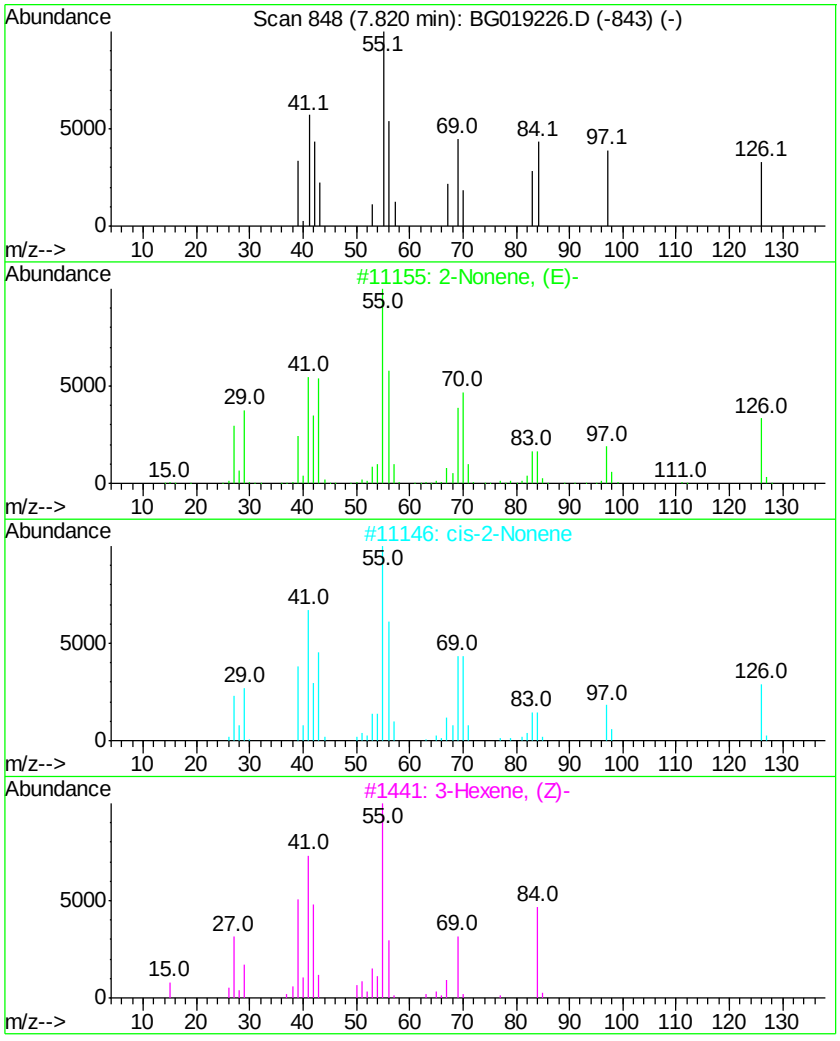
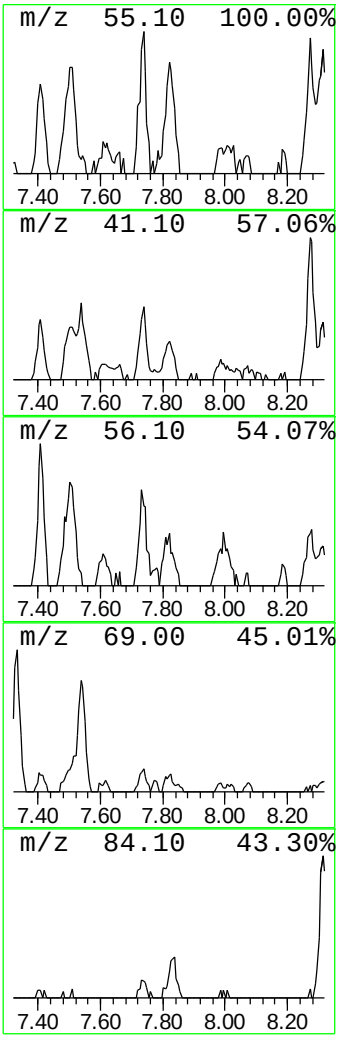
Peak Number 15 (DEL) Alkane: Cyclic7.82 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.82	3.72 ng/ul	17044	1,4-Dichlorobenzene-d4	8.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Nonene, (E)-	126	C9H18	006434-78-2	47
2	cis-2-Nonene	126	C9H18	006434-77-1	43
3	3-Hexene, (Z)-	84	C6H12	007642-09-3	43
4	3-Nonene, (E)-	126	C9H18	020063-92-7	43
5	2-Hexene, (Z)-	84	C6H12	007688-21-3	43





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Operator : UM/NP
Sample : G3996-19
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5LK8

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG101515.M
Quant Title : SVOA CALIBRATION

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

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Peak Number 16 2-Cyclopenten-1-one, 2,3-di... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.27	31.34 ng/ul	143460	1,4-Dichlorobenzene-d4	8.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Cyclopenten-1-one, 2,3-dimethyl-	110	C7H10O	001121-05-7	81
2	2,4-Hexadiene, (E,Z)-	82	C6H10	005194-50-3	70
3	2,4-Hexadiene, (Z,Z)-	82	C6H10	006108-61-8	70
4	1,3-Hexadiene,c&t	82	C6H10	000592-48-3	64
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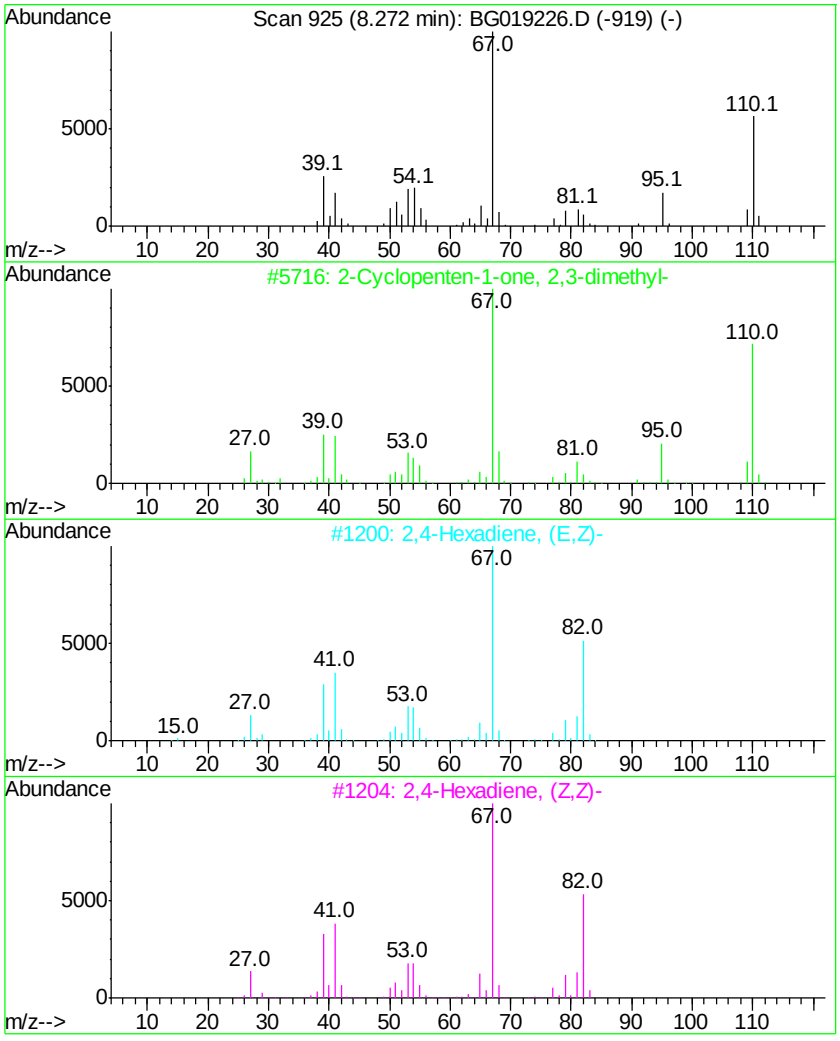

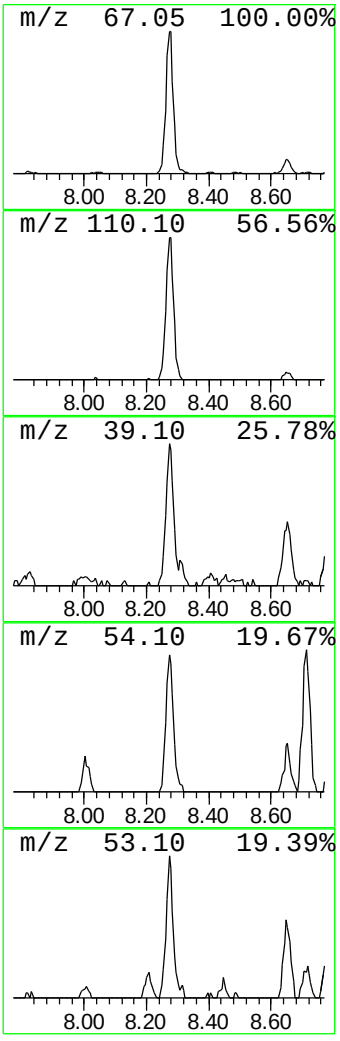

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Sample : G3996-19
Misc :
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Instrument : BNA_G
ClientSampleId : E5LK8

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Quant Title : SVOA CALIBRATION

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

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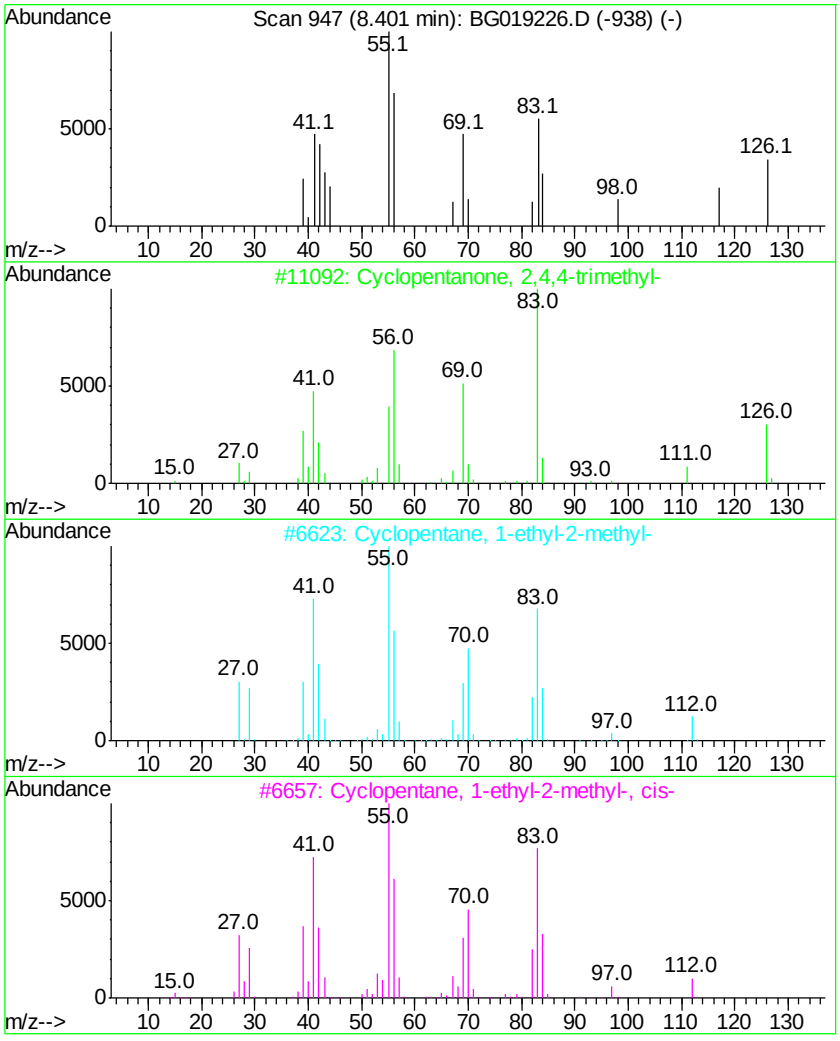
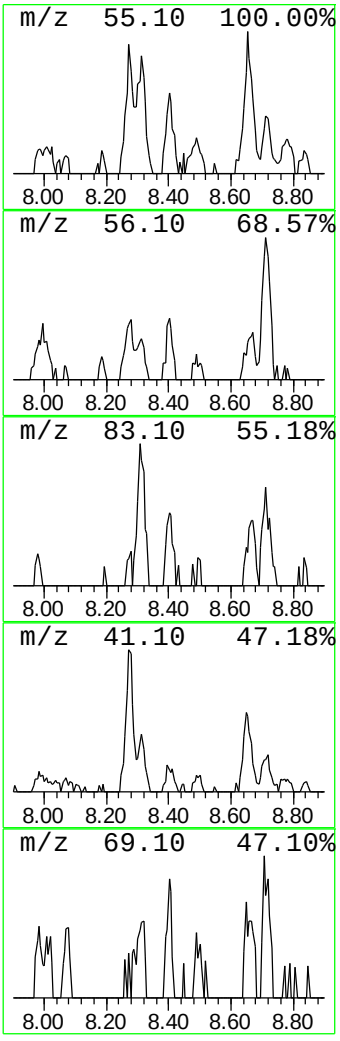
Peak Number 17 Cyclopentanone, 2,4,4-trime... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.40	3.08 ng/ul	14089	1,4-Dichlorobenzene-d4	8.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentanone, 2,4,4-trimethyl-	126	C8H14O	004694-12-6	50
2	Cyclopentane, 1-ethyl-2-methyl-	112	C8H16	003726-46-3	50
3	Cyclopentane, 1-ethyl-2-methyl-,...	112	C8H16	000930-89-2	50
4	4-Nonene	126	C9H18	002198-23-4	47
5	1-Undecanol	172	C11H24O	000112-42-5	47





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Instrument : BNA_G
ClientSampleId : E5LK8

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Quant Title : SVOA CALIBRATION

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

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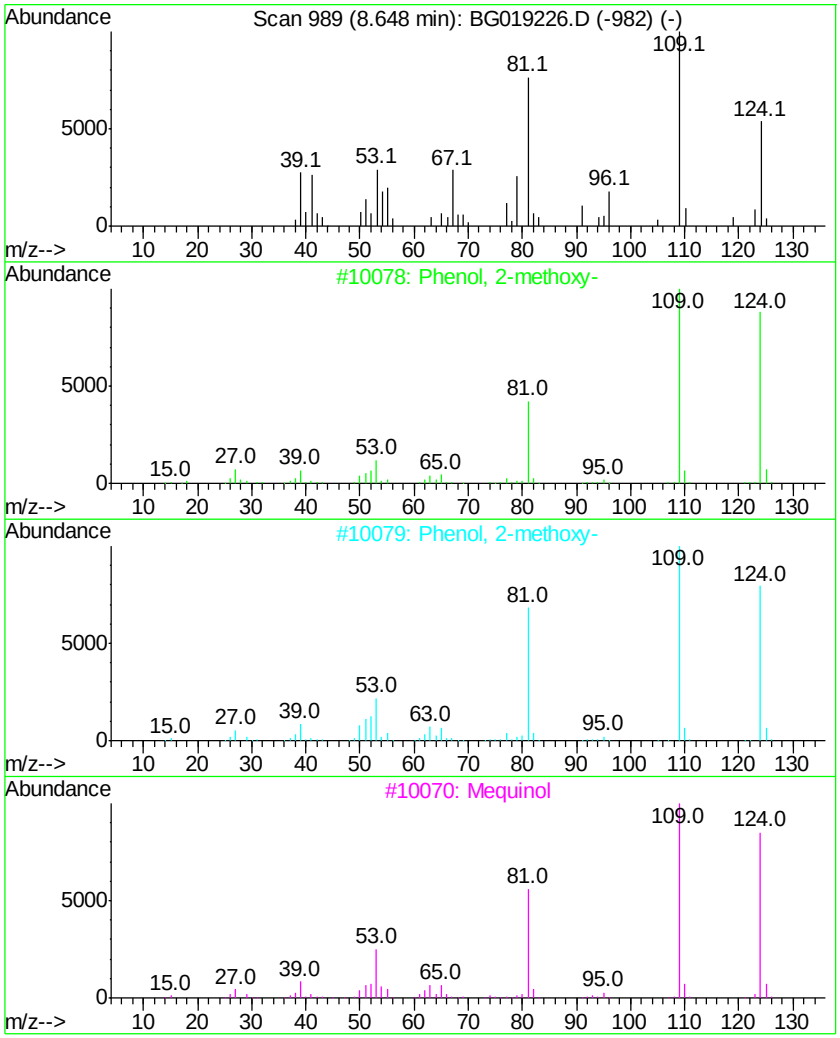
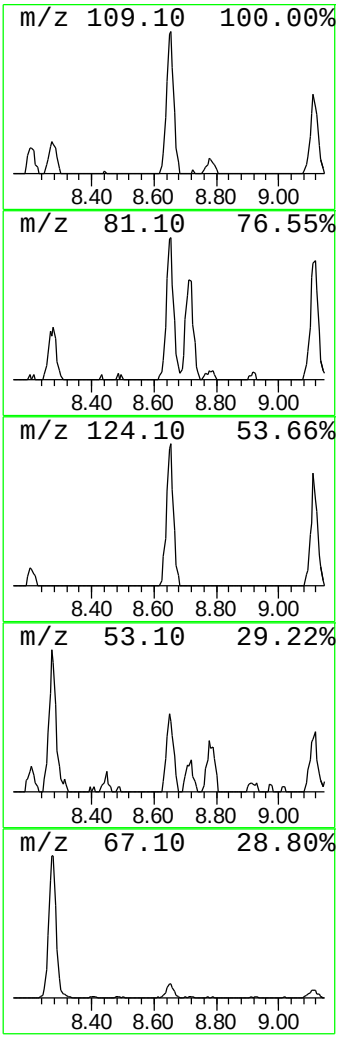
Peak Number 18 Phenol, 2-methoxy- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.65	18.09 ng/ul	82797	1,4-Dichlorobenzene-d4	8.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 2-methoxy-	124	C7H8O2	000090-05-1	74
2	Phenol, 2-methoxy-	124	C7H8O2	000090-05-1	74
3	Mequinol	124	C7H8O2	000150-76-5	72
4	Mequinol	124	C7H8O2	000150-76-5	64
5	Ethanone, 1-(2-methyl-1-cyclopen...	124	C8H12O	003168-90-9	58





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Quant Title : SVOA CALIBRATION

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

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Peak Number 19 2-Cyclopenten-1-one, 2,3,4-... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.11	13.59 ng/ul	62204	1,4-Dichlorobenzene-d4	8.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Cyclopenten-1-one, 2,3,4-trime...	124	C8H12O	028790-86-5	81
2	Ethanone, 1-(1-cyclohexen-1-yl)-	124	C8H12O	000932-66-1	70
3	1,4-Hexadiene, 2-methyl-	96	C7H12	001119-14-8	60
4	1,4-Hexadiene, 4-methyl-	96	C7H12	001116-90-1	60
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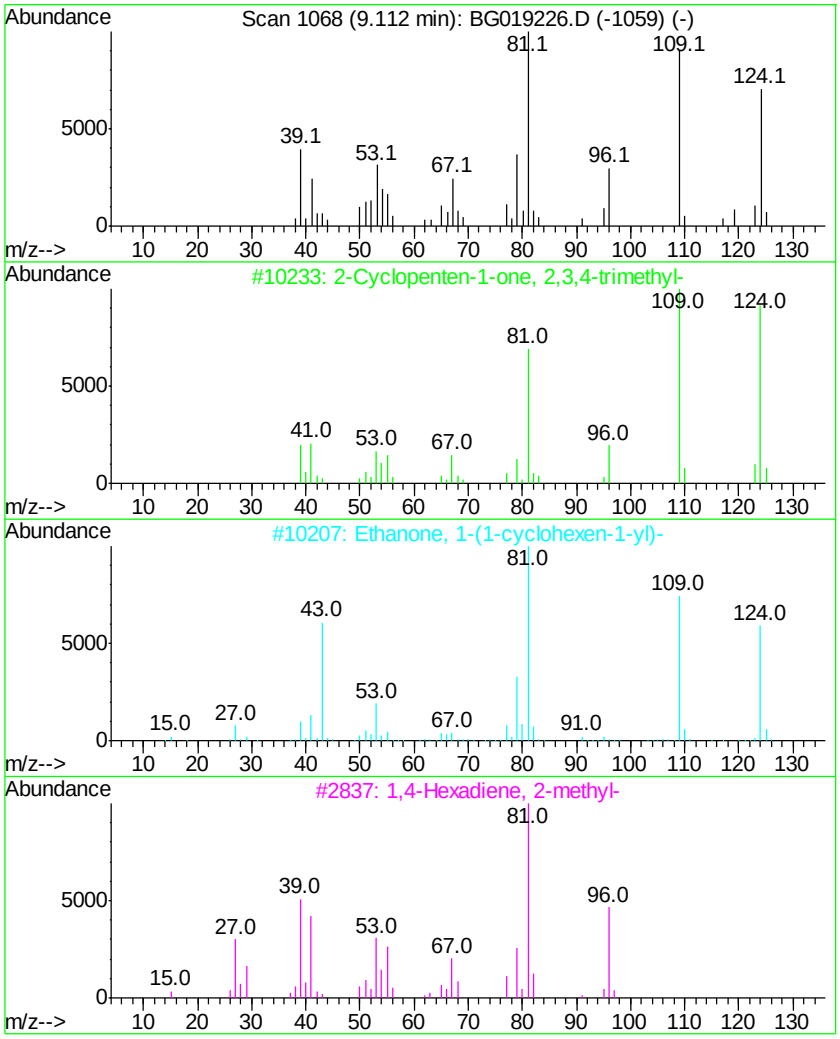

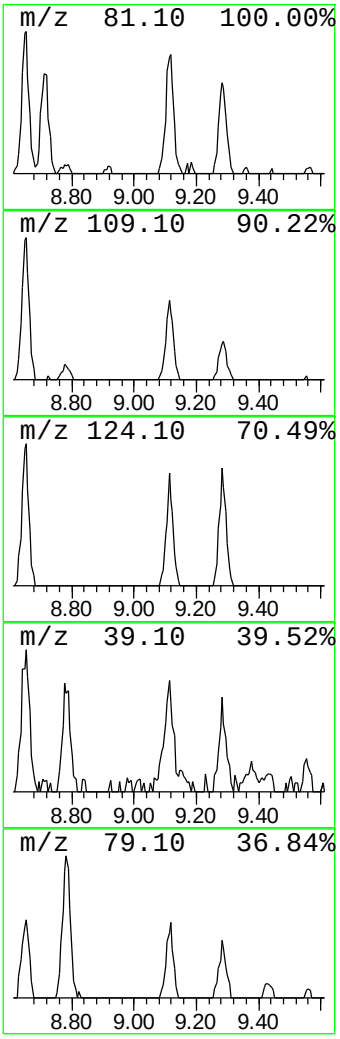

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Quant Title : SVOA CALIBRATION

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

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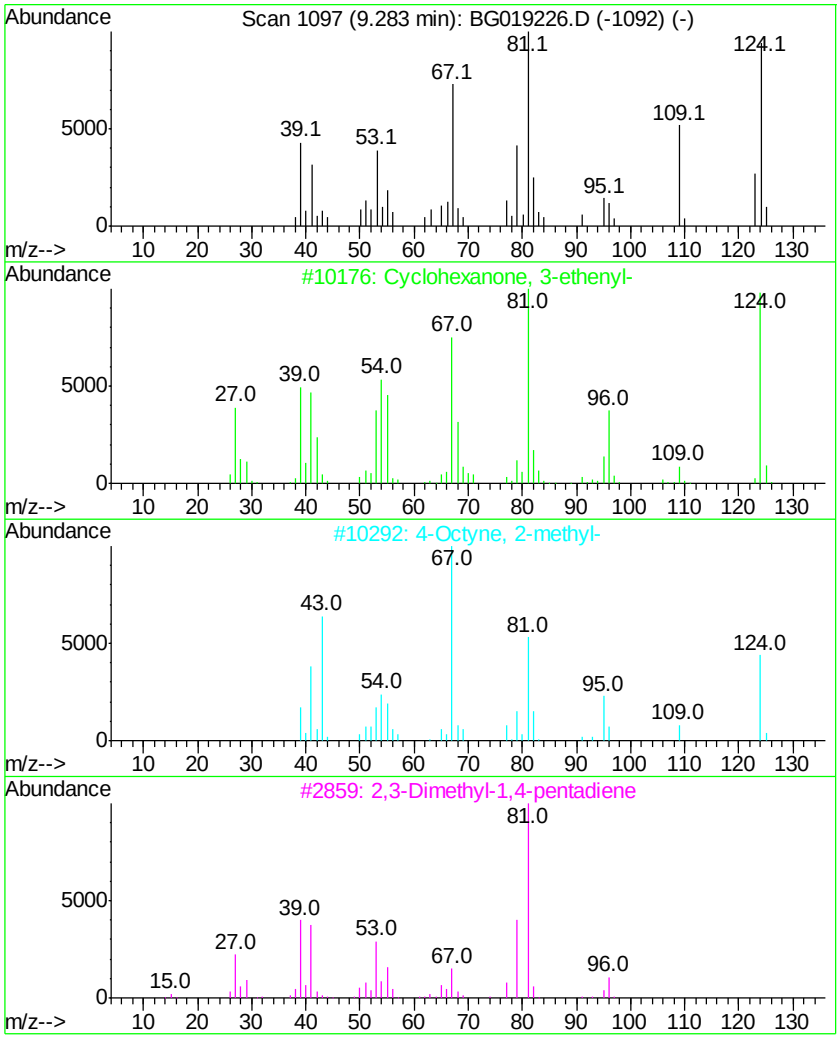
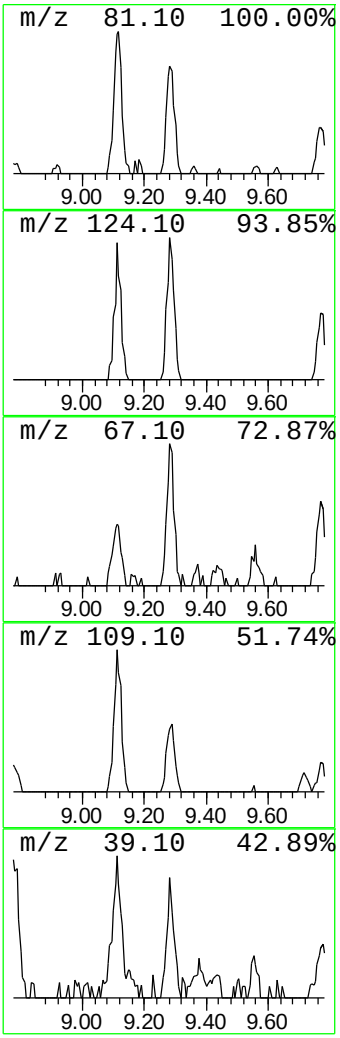
Peak Number 20 Cyclohexanone, 3-ethenyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.28	10.90 ng/ul	49897	1,4-Dichlorobenzene-d4	8.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexanone, 3-ethenyl-	124	C8H12O	001740-63-2	64
2	4-Octyne, 2-methyl-	124	C9H16	010306-94-2	64
3	2,3-Dimethyl-1,4-pentadiene	96	C7H12	000758-86-1	60
4	2-Cyclopenten-1-one, 3,5,5-trime...	124	C8H12O	024156-95-4	58
5	2-Pentyne, 4,4-dimethyl-	96	C7H12	000999-78-0	53





Data Path : Z:\HPCHEM1\BNA G\DATA\BG101615\
Data File : BG019226.D
Acq On : 16 Oct 2015 16:55
Operator : UM/NP
Sample : G3996-19
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5LK8

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG101515.M
Quant Title : SVOA CALIBRATION

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

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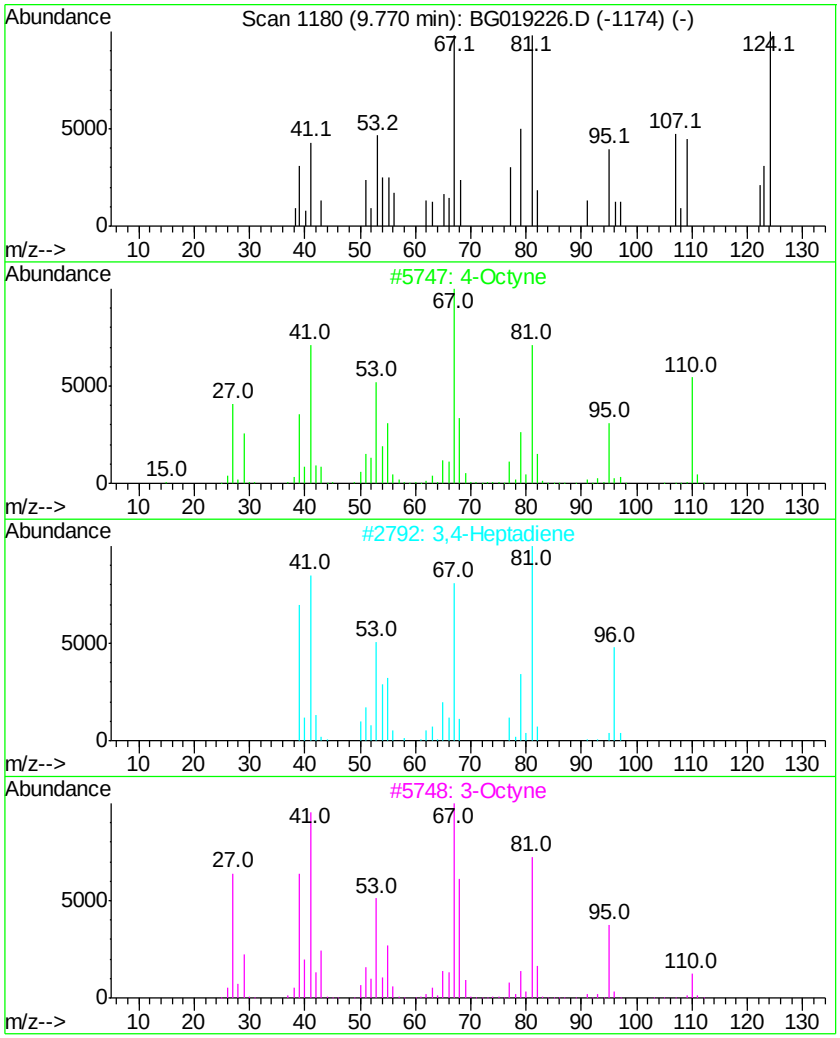
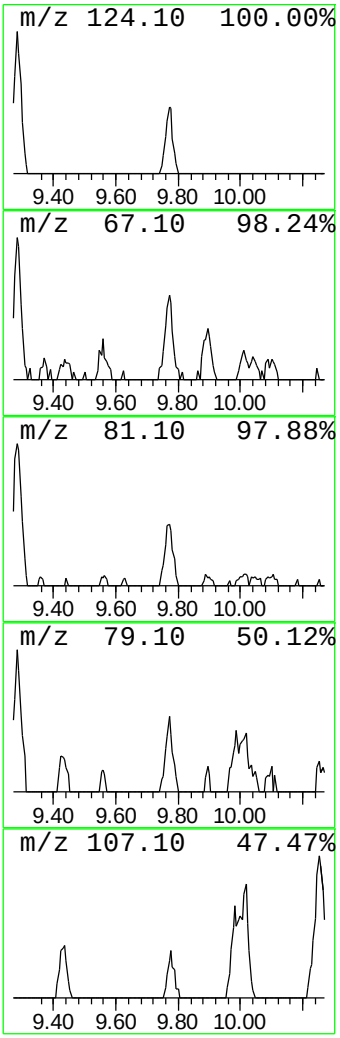
Peak Number 21 unknown-02 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.77	3.68 ng/ul	28387	Naphthalene-d8	10.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Octyne	110	C8H14	001942-45-6	43
2	3,4-Heptadiene	96	C7H12	002454-31-1	43
3	3-Octyne	110	C8H14	015232-76-5	38
4	2,4-Hexadiene, 1-chloro-	116	C6H9Cl	034632-89-8	38
5	2,4-Heptadienal, (E,E)-	110	C7H10O	004313-03-5	35





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Acq On : 16 Oct 2015 16:55
Operator : UM/NP
Sample : G3996-19
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5LK8

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG101515.M
Quant Title : SVOA CALIBRATION

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

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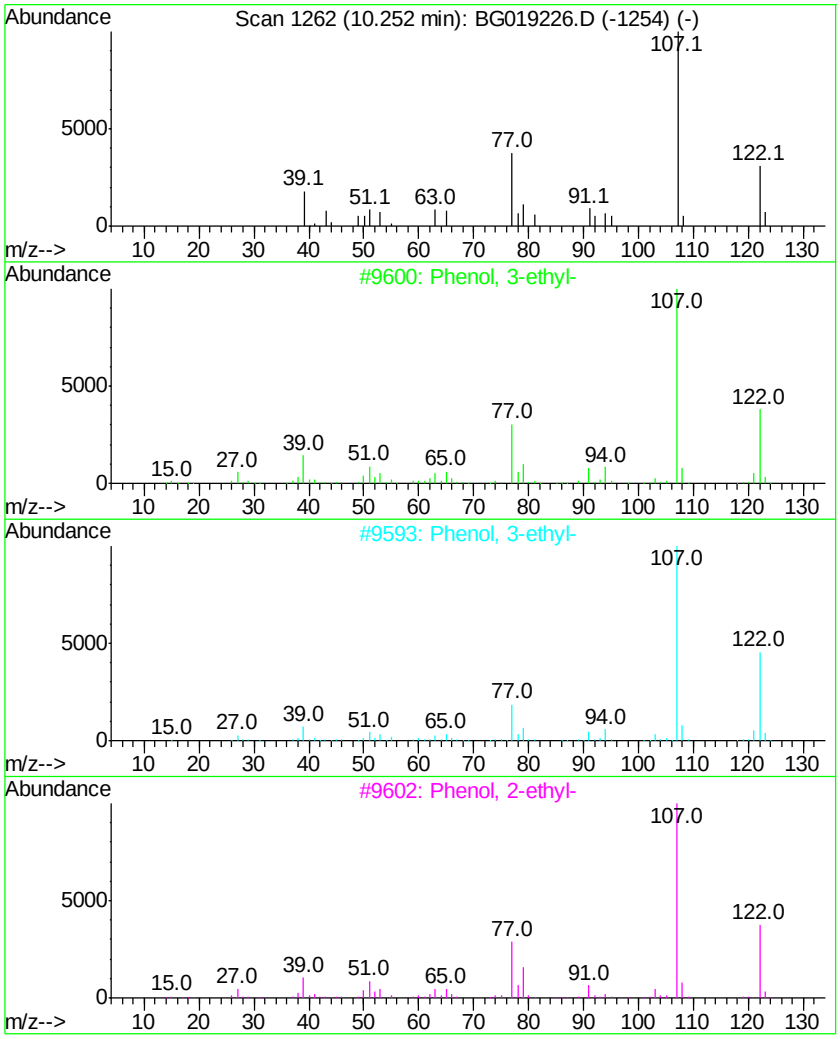
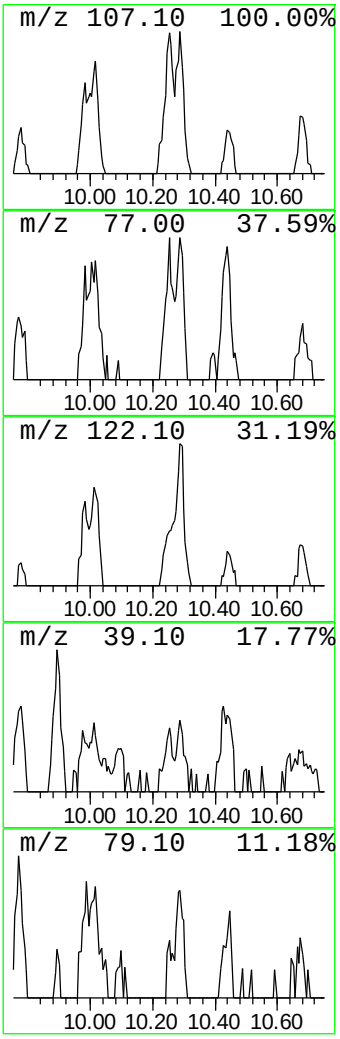
Peak Number 22 Phenol, 3-ethyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.25	2.33 ng/ul	18010	Naphthalene-d8	10.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 3-ethyl-	122	C8H10O	000620-17-7	86
2	Phenol, 3-ethyl-	122	C8H10O	000620-17-7	86
3	Phenol, 2-ethyl-	122	C8H10O	000090-00-6	72
4	Phenol, 3-ethyl-	122	C8H10O	000620-17-7	72
5	Phenol, 4-ethyl-	122	C8H10O	000123-07-9	64





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG101615\
Data File : BG019226.D
Acq On : 16 Oct 2015 16:55
Operator : UM/NP
Sample : G3996-19
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5LK8

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG101515.M
Quant Title : SVOA CALIBRATION

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

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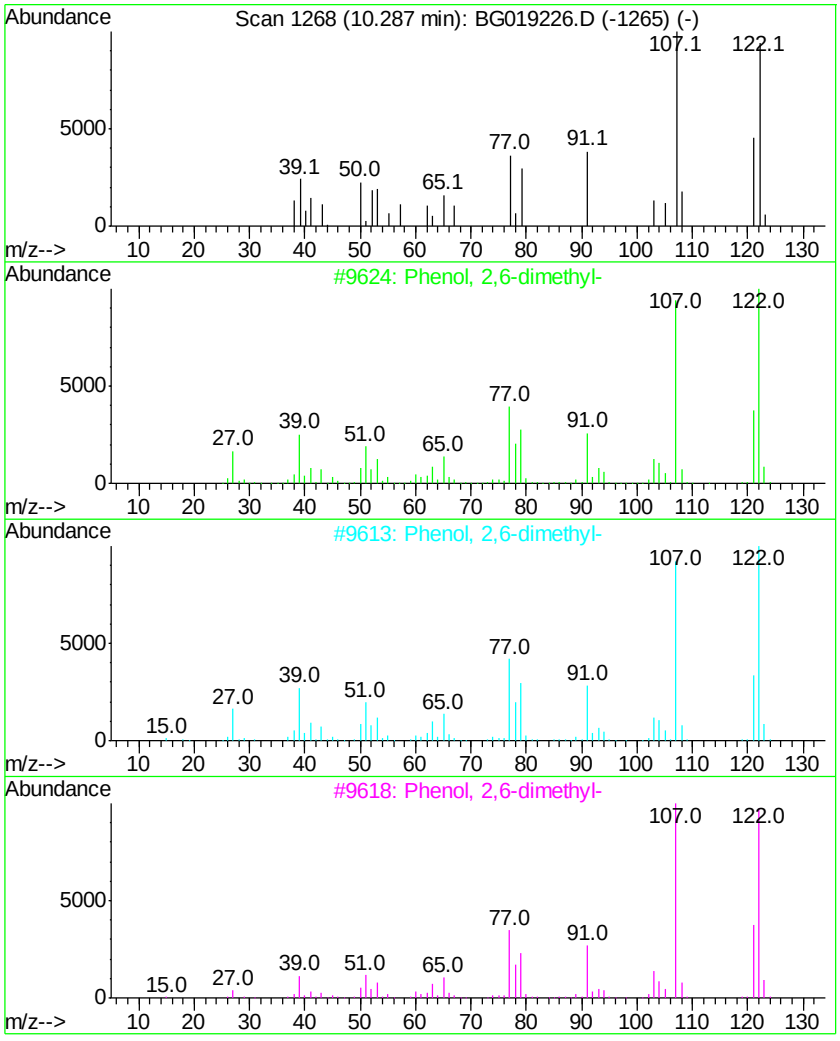
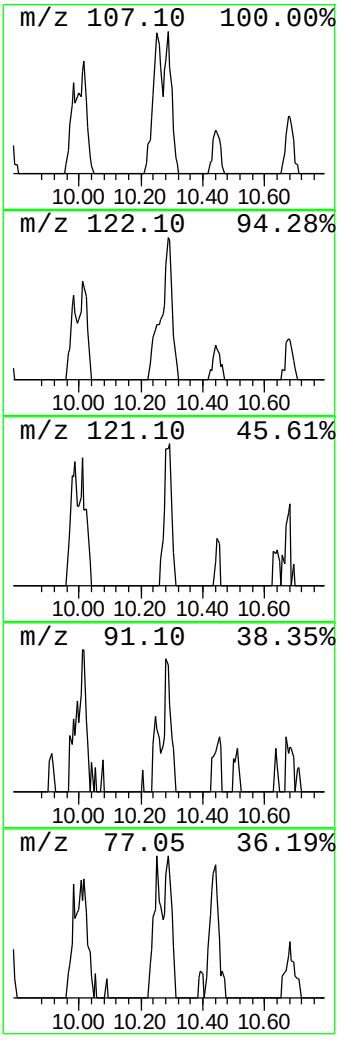
Peak Number 23 Phenol, 2,6-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.29	2.76 ng/ul	21281	Naphthalene-d8	10.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 2,6-dimethyl-	122	C8H10O	000576-26-1	68
2	Phenol, 2,6-dimethyl-	122	C8H10O	000576-26-1	64
3	Phenol, 2,6-dimethyl-	122	C8H10O	000576-26-1	64
4	Phenol, 2,3-dimethyl-	122	C8H10O	000526-75-0	64
5	Phenol, 2,6-dimethyl-	122	C8H10O	000576-26-1	59





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Data File : BG019226.D
Acq On : 16 Oct 2015 16:55
Operator : UM/NP
Sample : G3996-19
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5LK8

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG101515.M
Quant Title : SVOA CALIBRATION

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

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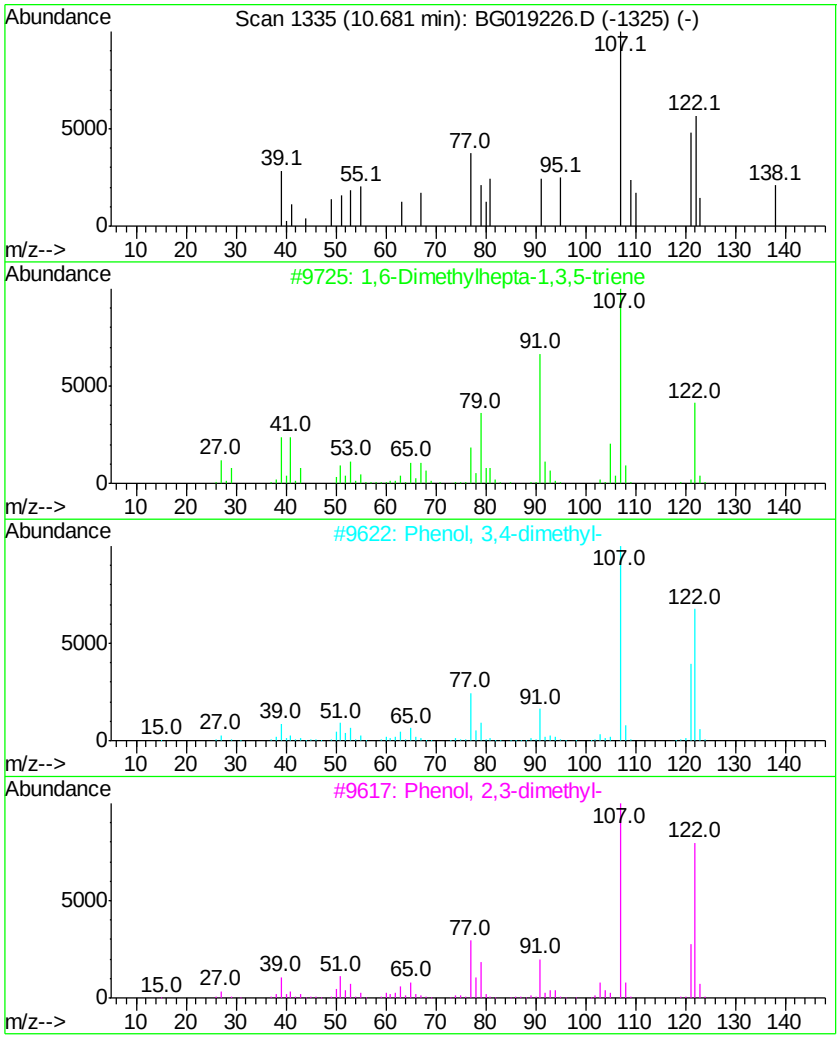
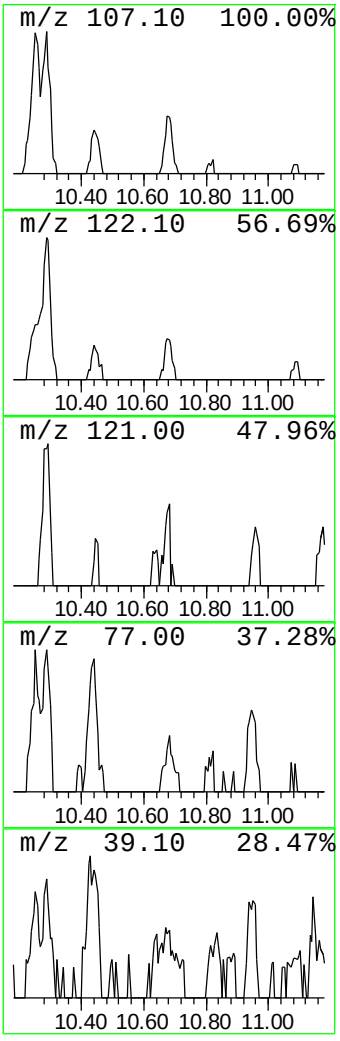
Peak Number 24 unknown-03 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.68	2.86 ng/ul	22067	Naphthalene-d8	10.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,6-Dimethylhepta-1,3,5-triene	122	C9H14	1000196-61-0	47
2	Phenol, 3,4-dimethyl-	122	C8H10O	000095-65-8	47
3	Phenol, 2,3-dimethyl-	122	C8H10O	000526-75-0	47
4	Phenol, 2,4-dimethyl-	122	C8H10O	000105-67-9	38
5	1,3-Cyclopentadiene, 1,2,5,5-tet...	122	C9H14	004249-12-1	37





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG101615\
Data File : BG019226.D
Acq On : 16 Oct 2015 16:55
Operator : UM/NP
Sample : G3996-19
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5LK8

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG101515.M
Quant Title : SVOA CALIBRATION

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

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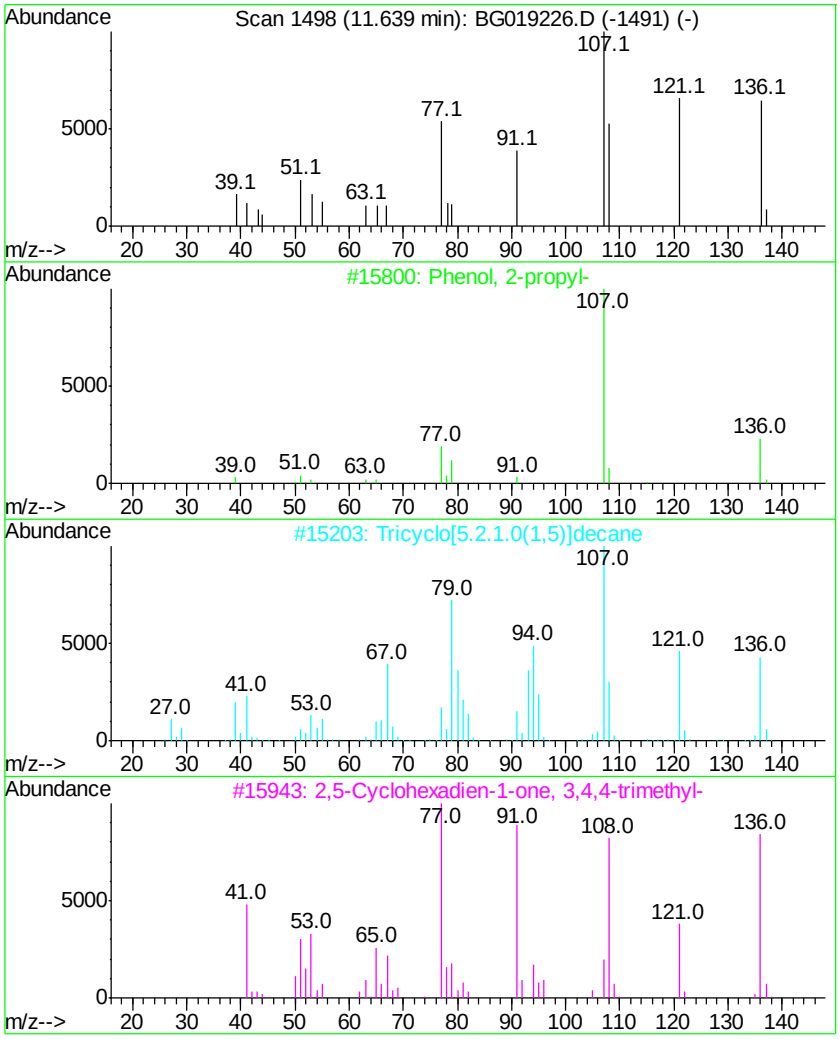
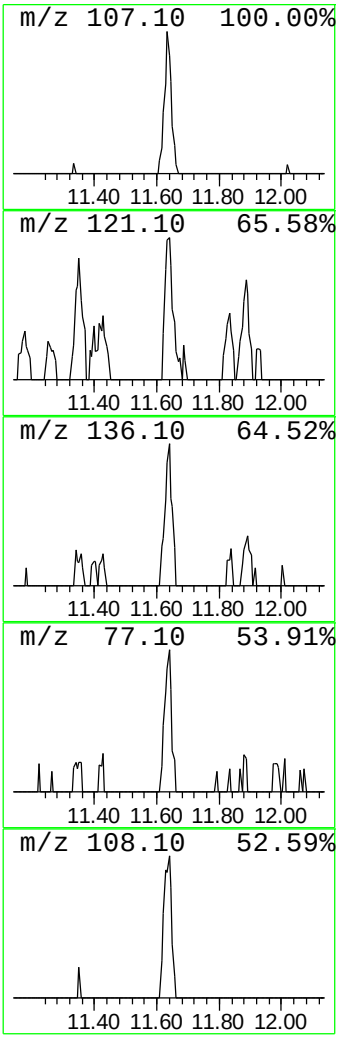
Peak Number 25 Phenol, 2-propyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.64	2.37 ng/ul	18275	Naphthalene-d8	10.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 2-propyl-	136	C9H12O	000644-35-9	68
2	Tricyclo[5.2.1.0(1,5)]decane	136	C10H16	1000190-80-8	47
3	2,5-Cyclohexadien-1-one, 3,4,4-t...	136	C9H12O	017429-31-1	47
4	Phenol, 4-propyl-	136	C9H12O	000645-56-7	46
5	Hydrazine, 1-ethyl-1-phenyl-	136	C8H12N2	000644-21-3	38





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Data File : BG019226.D
Acq On : 16 Oct 2015 16:55
Operator : UM/NP
Sample : G3996-19
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5LK8

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG101515.M
Quant Title : SVOA CALIBRATION

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

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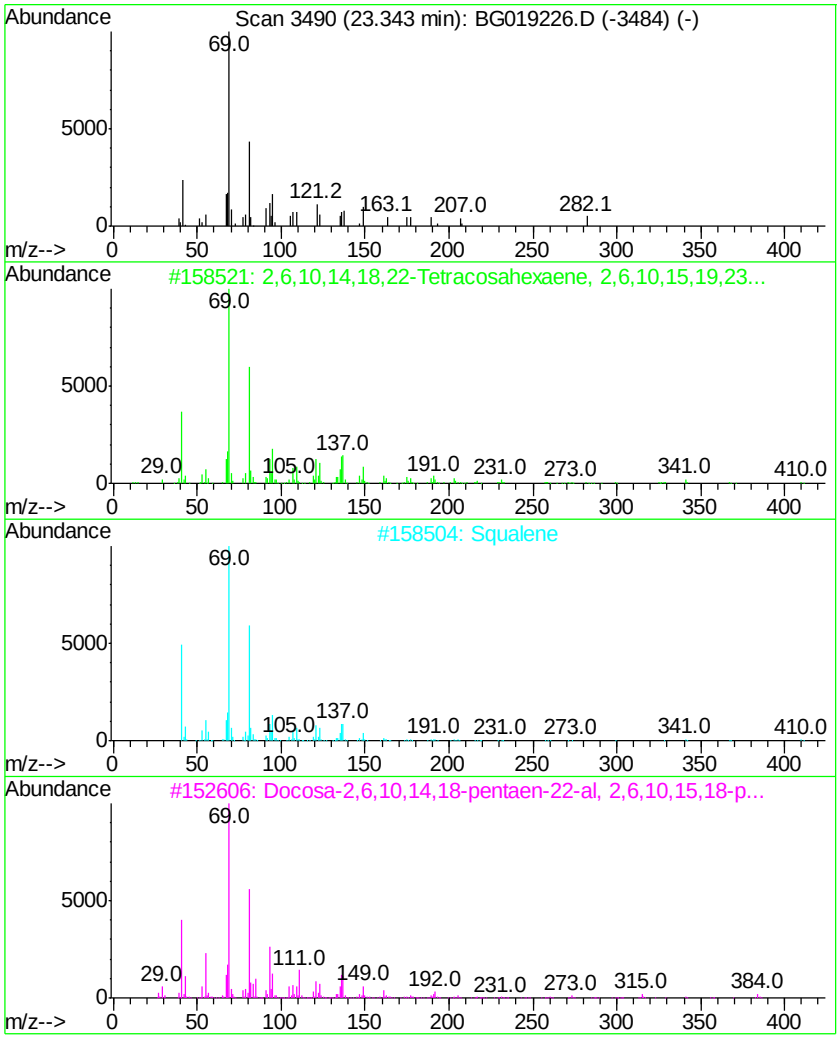
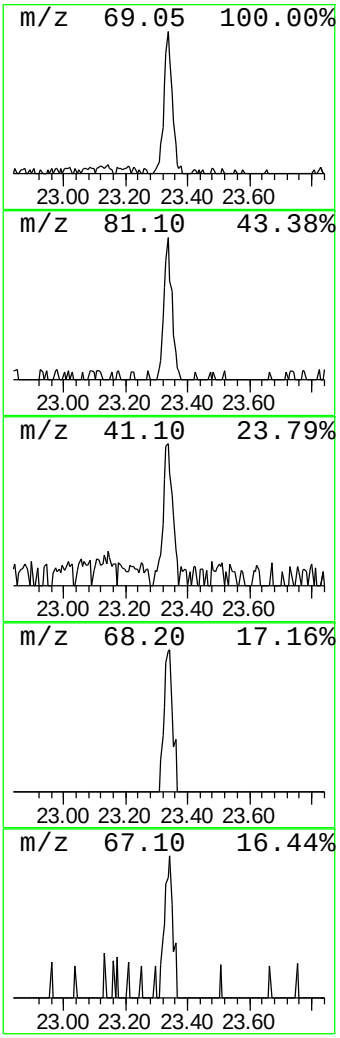
Peak Number 26 2,6,10,14,18,22-Tetracosahe... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.34	2.05 ng/ul	40434	Perylene-d12	24.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,6,10,14,18,22-Tetracosahexaene...	410	C30H50	000111-02-4	72
2	Squalene	410	C30H50	007683-64-9	72
3	Docosa-2,6,10,14,18-pentaen-22-a...	384	C27H44O	1000163-04-7	72
4	2,6,10,14,18,22-Tetracosahexaene...	410	C30H50	000111-02-4	64
5	Squalene	410	C30H50	007683-64-9	64





Tentatively Identified Compound (LSC) summary

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Data File : BG019226.D
Acq On : 16 Oct 2015 16:55
Operator : UM/NP
Sample : G3996-19
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5LK8

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG101515.M
Quant Title : SVOA 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
Butane, 2-methoxy...	3.18	24.0	ng/ul	110035	1	8.01	91550	20.0
Cyclohexanone	5.19	7.4	ng/ul	33736	1	8.01	91550	20.0
Cyclopentanone, 3...	5.30	2.7	ng/ul	12157	1	8.01	91550	20.0
Cyclopentanone, 2...	5.84	2.6	ng/ul	11728	1	8.01	91550	20.0
trans-3,4-Dimethy...	5.97	5.7	ng/ul	26116	1	8.01	91550	20.0
Cyclopentanone, 2...	6.03	4.9	ng/ul	22265	1	8.01	91550	20.0
Cyclopentanone, 2...	6.73	14.6	ng/ul	66879	1	8.01	91550	20.0
3-Ethylcyclopenta...	7.06	7.1	ng/ul	32438	1	8.01	91550	20.0
(DEL) Alkane: Cyc...	7.41	4.3	ng/ul	19867	1	8.01	91550	20.0
2,4-Nonadiyne	7.66	2.0	ng/ul	9299	1	8.01	91550	20.0
unknown-01	7.73	6.4	ng/ul	29170	1	8.01	91550	20.0
(DEL) Alkane: Cyc...	7.82	3.7	ng/ul	17044	1	8.01	91550	20.0
2-Cyclopenten-1-o...	8.27	31.3	ng/ul	143460	1	8.01	91550	20.0
Cyclopentanone, 2...	8.40	3.1	ng/ul	14089	1	8.01	91550	20.0
Phenol, 2-methoxy-	8.65	18.1	ng/ul	82797	1	8.01	91550	20.0
2-Cyclopenten-1-o...	9.11	13.6	ng/ul	62204	1	8.01	91550	20.0
Cyclohexanone, 3-...	9.28	10.9	ng/ul	49897	1	8.01	91550	20.0
unknown-02	9.77	3.7	ng/ul	28387	2	10.81	154354	20.0
Phenol, 3-ethyl-	10.25	2.3	ng/ul	18010	2	10.81	154354	20.0
Phenol, 2,6-dimet...	10.29	2.8	ng/ul	21281	2	10.81	154354	20.0
unknown-03	10.68	2.9	ng/ul	22067	2	10.81	154354	20.0
Phenol, 2-propyl-	11.64	2.4	ng/ul	18275	2	10.81	154354	20.0
2,6,10,14,18,22-T...	23.34	2.0	ng/ul	40434	6	24.85	394338	20.0