LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG101515\
Data File : BG019216.D
Acq On : 15 Oct 2015 21:45
Operator : UM/NP
Sample : G3966-21
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5LJ5

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	3.108	38	46	54	rVV2	41757	78192	7.08%	0.325%
2	3.185	54	59	72	rVB	127278	169411	15.34%	0.703%
3	3.437	98	102	109	rBV3	12641	17284	1.57%	0.072%
4	3.949	186	189	195	rVB	12452	17346	1.57%	0.072%
5	5.112	384	387	394	rVB	7636	12011	1.09%	0.050%
6	5.182	394	399	407	rBV2	11863	18889	1.71%	0.078%
7	5.517	450	456	461	rBV2	18927	29310	2.65%	0.122%
8	5.670	474	482	487	rVB2	9267	16746	1.52%	0.070%
9	5.788	497	502	507	rBV2	5330	10138	0.92%	0.042%
10	5.840	507	511	515	rVV4	5256	9018	0.82%	0.037%
11	6.034	536	544	560	rVB6	34837	84549	7.66%	0.351%
12	6.269	579	584	593	rBV4	11354	19718	1.79%	0.082%
13	6.446	610	614	619	rVB2	8575	13129	1.19%	0.055%
14	6.645	643	648	653	rVV	40163	63118	5.72%	0.262%
15	6.722	655	661	663	rVV3	12886	25415	2.30%	0.106%
16	6.751	663	666	673	rVB3	21789	37474	3.39%	0.156%
17	6.916	688	694	699	rBV2	23131	37294	3.38%	0.155%
18	7.027	708	713	721	rVB	31558	56167	5.09%	0.233%
19	7.192	729	741	747	rBV6	28324	91084	8.25%	0.378%
20	7.245	747	750	755	rVB2	24890	38818	3.52%	0.161%
21	7.333	760	765	771	rVB	57277	90020	8.15%	0.374%
22	7.403	771	777	784	rVB3	35448	60418	5.47%	0.251%
23	7.503	784	794	797	rBV7	41334	126722	11.48%	0.526%
24	7.544	797	801	808	rVB	73019	128035	11.60%	0.532%
25	7.615	808	813	816	rBV3	13141	18716	1.69%	0.078%
26	7.656	816	820	825	rVB2	34350	51798	4.69%	0.215%
27	7.738	828	834	838	rBV2	50622	91307	8.27%	0.379%
28	7.779	838	841	844	rVV2	21122	32735	2.96%	0.136%
29	7.826	844	849	856	rVB2	115564	204668	18.54%	0.850%
30	8.008	865	880	886	rBV4	89533	224845	20.36%	0.934%
31	8.073	886	891	897	rBV3	21472	43157	3.91%	0.179%
32	8.185	904	910	916	rVB2	26703	45684	4.14%	0.190%
33	8.314	927	932	937	rVB	85840	130311	11.80%	0.541%
34	8.402	940	947	956	rVB4	60882	140527	12.73%	0.583%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG101515\
Data File : BG019216.D
Acq On : 15 Oct 2015 21:45
Operator : UM/NP
Sample : G3966-21
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5LJ5

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	8.479	956	960	965	rBV3	32165	47051	4.26%	0.195%
36	8.543	966	971	978	rVB3	39046	76754	6.95%	0.319%
37	8.655	980	990	997	rBV2	392892	694593	62.90%	2.884%
38	8.731	997	1003	1008	rBV3	69521	127753	11.57%	0.530%
39	8.837	1019	1021	1029	rVB7	10683	17538	1.59%	0.073%
40	8.907	1030	1033	1037	rVB3	8079	11351	1.03%	0.047%
41	8.978	1040	1045	1050	rBV3	105114	183625	16.63%	0.762%
42	9.031	1050	1054	1058	rVV4	65046	112976	10.23%	0.469%
43	9.084	1058	1063	1065	rVV	181574	308117	27.90%	1.279%
44	9.119	1065	1069	1074	rVV	384564	653562	59.19%	2.714%
45	9.172	1074	1078	1083	rVB	77628	139096	12.60%	0.578%
46	9.283	1091	1097	1103	rBV3	264322	519670	47.06%	2.158%
47	9.336	1103	1106	1108	rBV2	45511	65404	5.92%	0.272%
48	9.442	1118	1124	1128	rBV	163814	301184	27.28%	1.250%
49	9.560	1138	1144	1151	rVB2	249030	442514	40.08%	1.837%
50	9.630	1152	1156	1162	rVB5	28270	52402	4.75%	0.218%
51	9.695	1163	1167	1168	rBV3	8664	12265	1.11%	0.051%
52	9.777	1175	1181	1187	rVB	251238	432842	39.20%	1.797%
53	9.900	1195	1202	1206	rBV2	179323	363449	32.92%	1.509%
54	10.012	1216	1221	1224	rBV2	118853	201635	18.26%	0.837%
55	10.047	1224	1227	1231	rVV	157474	263398	23.85%	1.094%
56	10.100	1231	1236	1243	rVB	227720	401990	36.41%	1.669%
57	10.182	1246	1250	1253	rBV3	33607	50572	4.58%	0.210%
58	10.441	1285	1294	1301	rBV4	196254	474823	43.00%	1.971%
59	10.511	1301	1306	1313	rVB6	48841	91506	8.29%	0.380%
60	10.594	1316	1320	1324	rBV3	36228	62731	5.68%	0.260%
61	10.652	1324	1330	1335	rBV2	354527	745426	67.51%	3.095%
62	10.817	1355	1358	1363	rVB	97468	145610	13.19%	0.605%
63	10.870	1364	1367	1370	rBV4	43737	67812	6.14%	0.282%
64	10.970	1377	1384	1391	rVB	523553	942783	85.38%	3.914%
65	11.169	1412	1418	1424	rVB4	216463	396529	35.91%	1.646%
66	11.240	1424	1430	1436	rVB6	61989	140996	12.77%	0.585%
67	11.293	1437	1439	1444	rVB4	19814	25660	2.32%	0.107%
68	11.369	1444	1452	1455	rBV	219141	447477	40.52%	1.858%
69	11.410	1455	1459	1466	rVB2	517838	874038	79.16%	3.629%
70	11.581	1484	1488	1493	rVB2	102117	161286	14.61%	0.670%
71	11.698	1503	1508	1512	rVB2	164288	270189	24.47%	1.122%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG101515\
Data File : BG019216.D
Acq On : 15 Oct 2015 21:45
Operator : UM/NP
Sample : G3966-21
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5LJ5

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	11.939	1544	1549	1556	rVB	221911	381442	34.54%	1.584%
73	12.010	1557	1561	1566	rBV3	100556	168421	15.25%	0.699%
74	12.221	1592	1597	1604	rVB	97083	149957	13.58%	0.623%
75	12.427	1628	1632	1636	rVB	97166	139860	12.67%	0.581%
76	12.515	1641	1647	1653	rVV4	574063	1104203	100.00%	4.585%
77	12.580	1653	1658	1667	rVV3	314669	569746	51.60%	2.366%
78	12.809	1692	1697	1700	rBV	209102	334468	30.29%	1.389%
79	12.850	1700	1704	1709	rVB	367763	498848	45.18%	2.071%
80	12.920	1712	1716	1724	rVB	205603	373376	33.81%	1.550%
81	13.003	1724	1730	1733	rBV3	349644	701256	63.51%	2.912%
82	13.349	1782	1789	1792	rBV3	89555	209100	18.94%	0.868%
83	13.390	1793	1796	1801	rVV3	148368	256015	23.19%	1.063%
84	13.443	1802	1805	1810	rVB2	148084	236745	21.44%	0.983%
85	13.778	1857	1862	1866	rBV2	227310	430138	38.95%	1.786%
86	13.884	1877	1880	1882	rBV3	61049	79470	7.20%	0.330%
87	13.984	1892	1897	1900	rBV4	164773	324471	29.39%	1.347%
88	14.142	1918	1924	1933	rBV4	380845	782403	70.86%	3.248%
89	14.231	1935	1939	1943	rBV3	113825	212825	19.27%	0.884%
90	14.336	1953	1957	1962	rBV	231900	347255	31.45%	1.442%
91	14.642	2006	2009	2013	rBV2	156320	234294	21.22%	0.973%
92	14.730	2020	2024	2033	rVB2	218300	391245	35.43%	1.624%
93	14.812	2035	2038	2041	rBV2	111141	151888	13.76%	0.631%
94	15.635	2173	2178	2183	rVB	352557	540350	48.94%	2.243%
95	17.386	2472	2476	2482	rBV2	223911	326113	29.53%	1.354%
96	17.486	2489	2493	2499	rVB2	341194	480587	43.52%	1.995%
97	19.771	2877	2882	2889	rVB	425455	608984	55.15%	2.528%
98	21.651	3197	3202	3210	rVB	254502	415044	37.59%	1.723%
99	24.636	3701	3710	3720	rVB	222810	640650	58.02%	2.660%
100	24.853	3738	3747	3760	rVB2	144135	435492	39.44%	1.808%

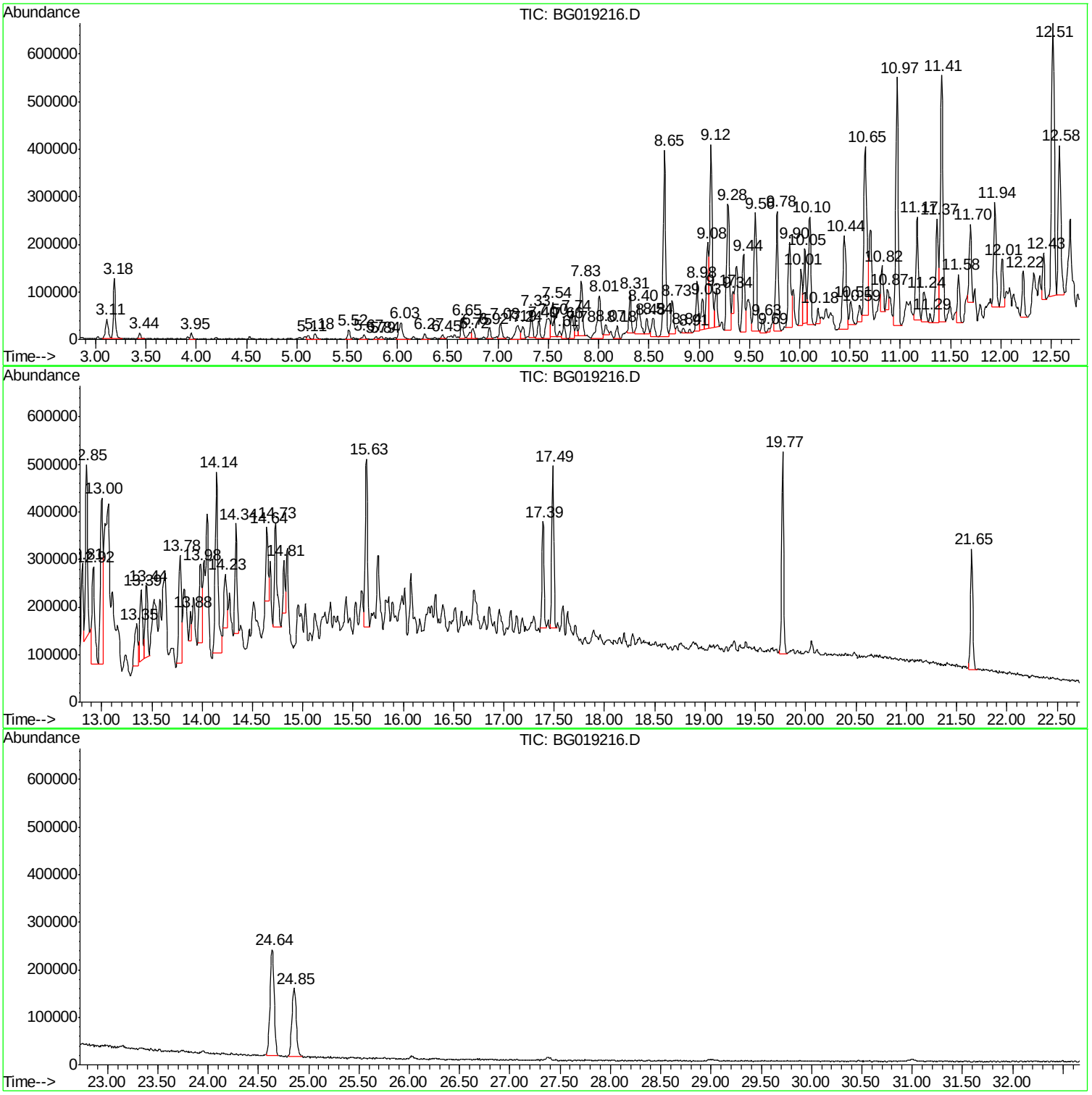
Sum of corrected areas: 24085307

Data Path : Z:\HPCHEM1\BNA G\DATA\BG101515\
Data File : BG019216.D
Acq On : 15 Oct 2015 21:45
Operator : UM/NP
Sample : G3966-21
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5LJ5

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



Data Path : Z:\HPCHEM1\BNA G\DATA\BG101515\
Data File : BG019216.D
Acq On : 15 Oct 2015 21:45
Operator : UM/NP
Sample : G3966-21
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5LJ5

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

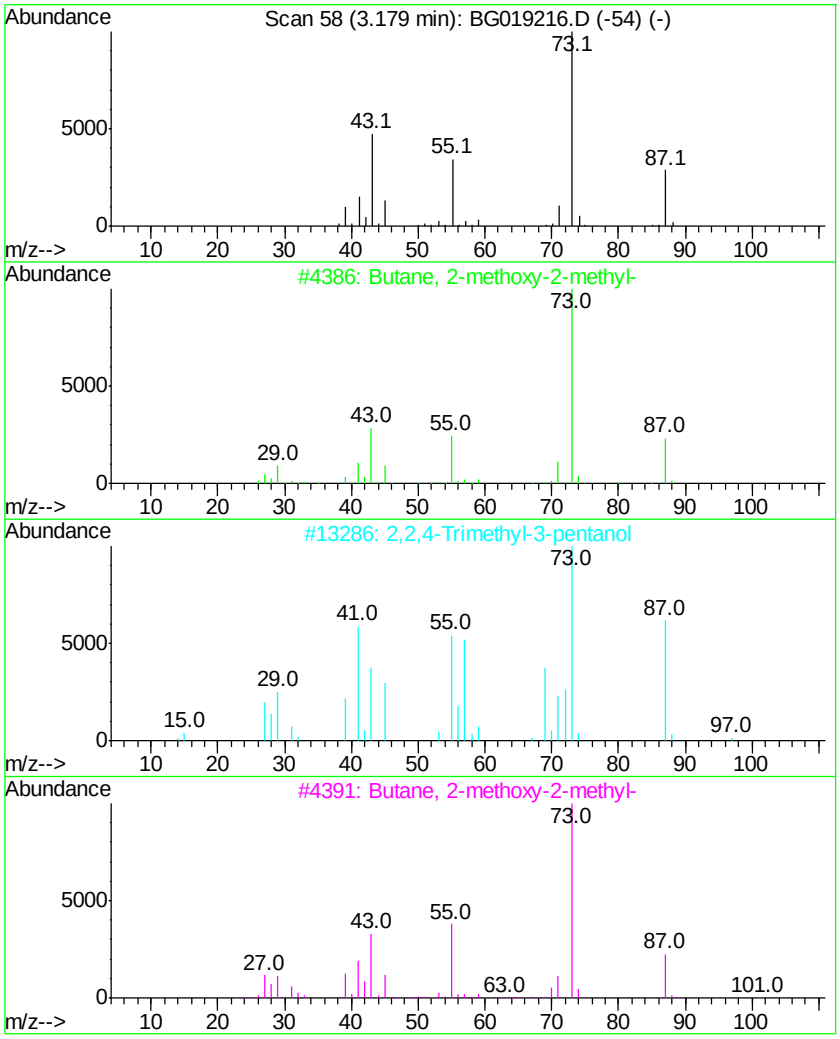
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

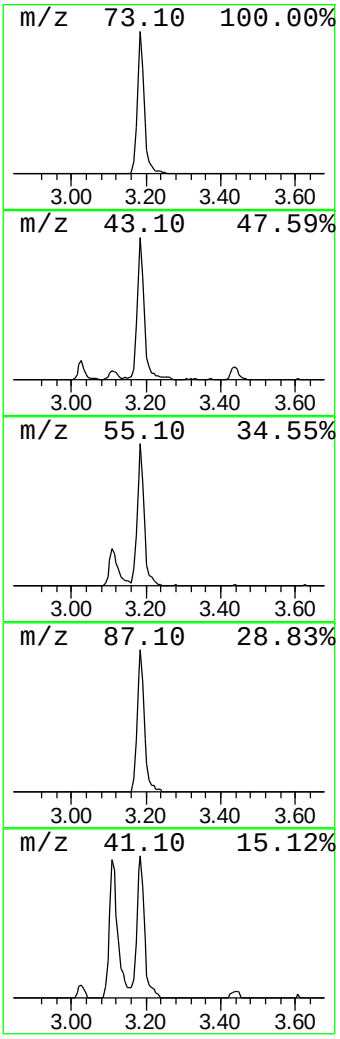
****

Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.18	15.07 ng/ul	169411	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	72
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	36
4	2-Methyl-5-hexen-3-ol	114	C7H14O	032815-70-6	23
5	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG101515\
Data File : BG019216.D
Acq On : 15 Oct 2015 21:45
Operator : UM/NP
Sample : G3966-21
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5LJ5

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

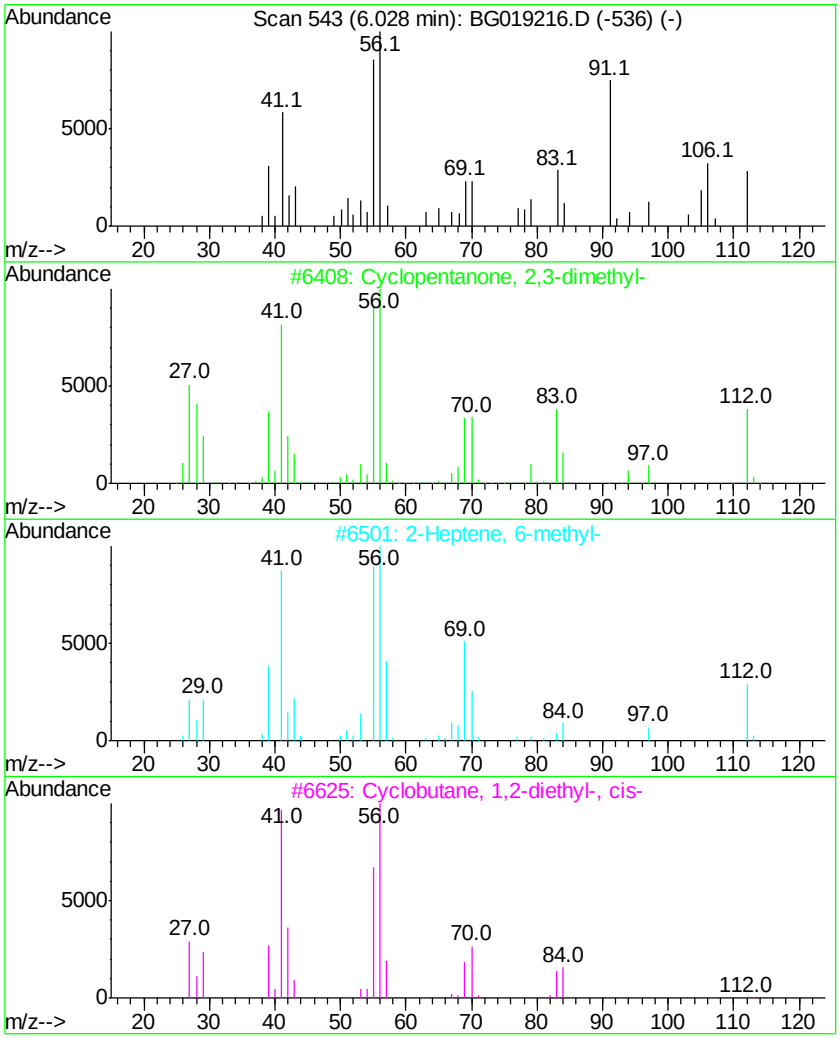
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

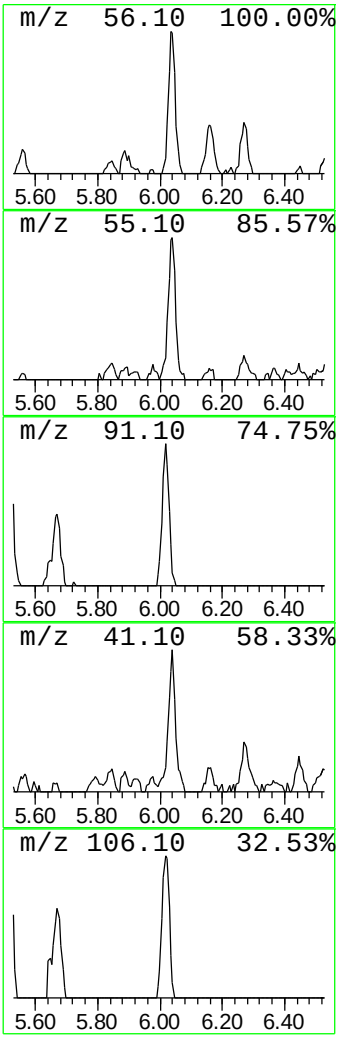
****

Peak Number 4 Cyclopentanone, 2,3-dimethyl- Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.03	7.52 ng/ul	84549	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	92
2	2-Heptene, 6-methyl-	112	C8H16	073548-72-8	74
3	Cyclobutane, 1,2-diethyl-, cis-	112	C8H16	061141-50-2	50
4	Cyclopentanone, 2,2-dimethyl-	112	C7H12O	004541-32-6	46
5	cis-1-Butyl-2-methylcyclopropane	112	C8H16	038851-69-3	46





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG101515\
Data File : BG019216.D
Acq On : 15 Oct 2015 21:45
Operator : UM/NP
Sample : G3966-21
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5LJ5

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

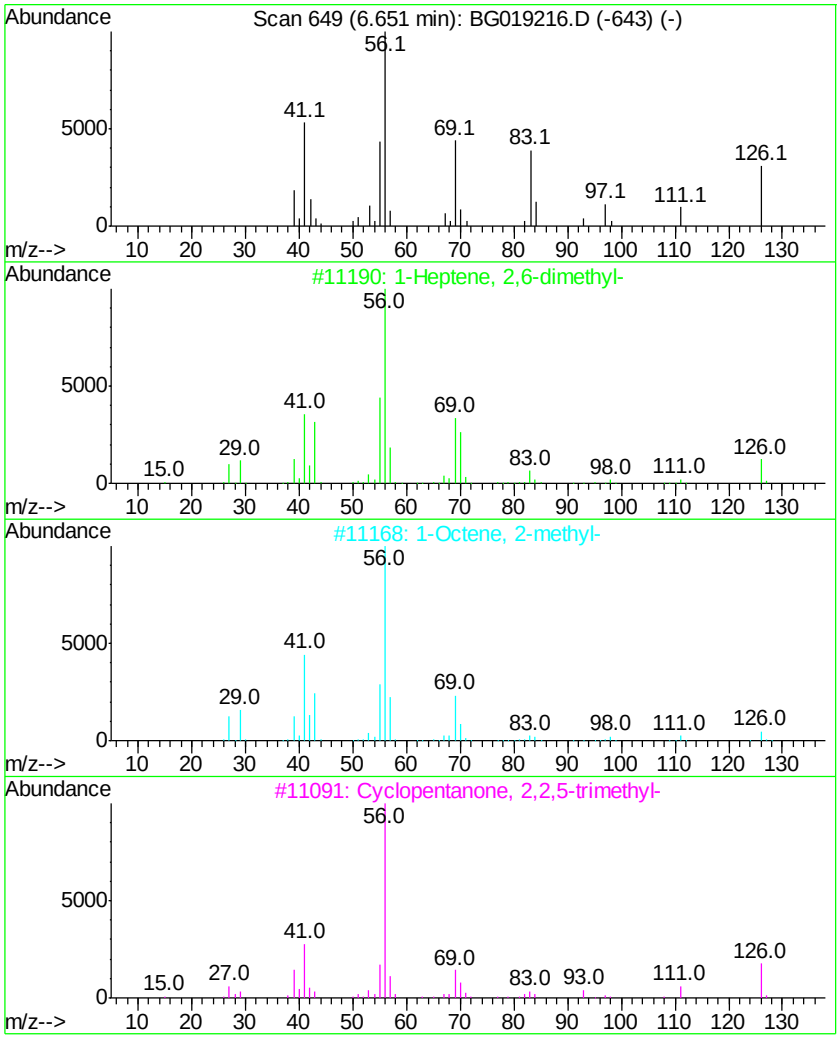
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

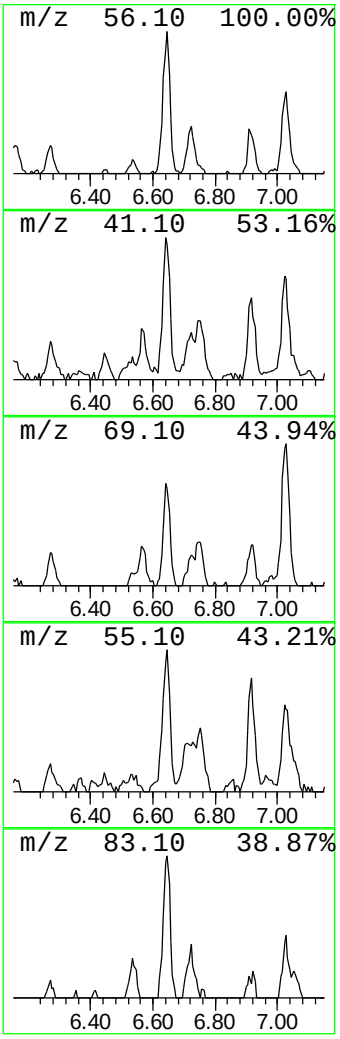
****

Peak Number 5 (DEL) Alkane: Cyclic6.65 Concentration Rank 54

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.65	5.61 ng/ul	63118	1,4-Dichlorobenzene-d4	8.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Heptene, 2,6-dimethyl-	126	C9H18	003074-78-0	64
2	1-Octene, 2-methyl-	126	C9H18	004588-18-5	64
3	Cyclopentanone, 2,2,5-trimethyl-	126	C8H14O	004573-09-5	59
4	1-Heptene, 2,6-dimethyl-	126	C9H18	003074-78-0	59
5	1,3-Cyclopentanedione, 4,4-dimet...	126	C7H10O2	004683-51-6	59





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG101515\
Data File : BG019216.D
Acq On : 15 Oct 2015 21:45
Operator : UM/NP
Sample : G3966-21
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5LJ5

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

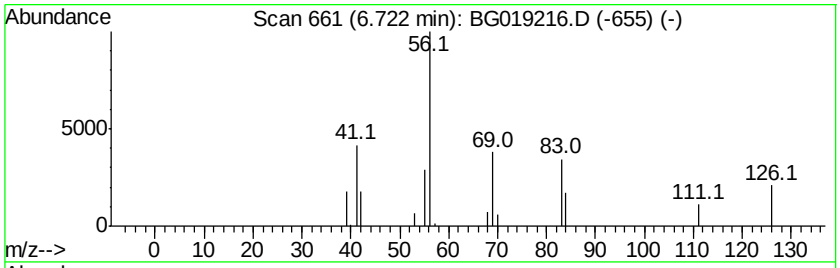
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

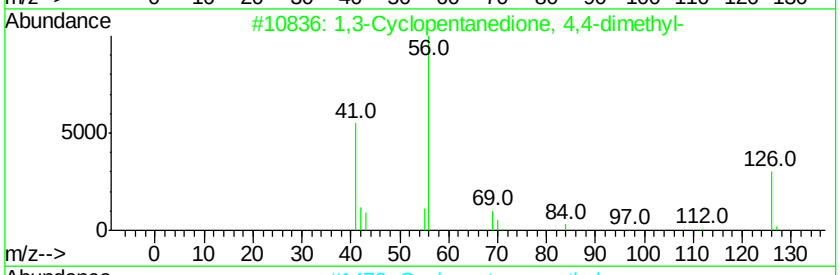
****

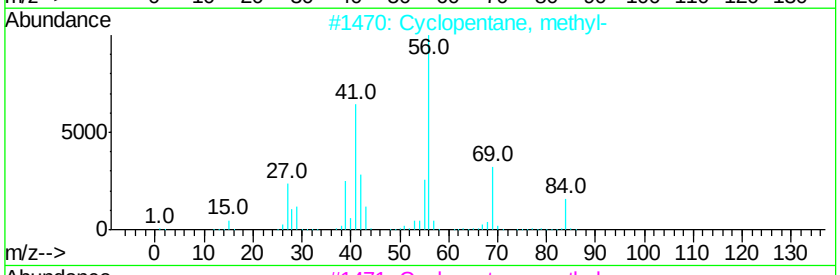
Peak Number 6 1,3-Cyclopentanedione, 4,4-... Concentration Rank 67

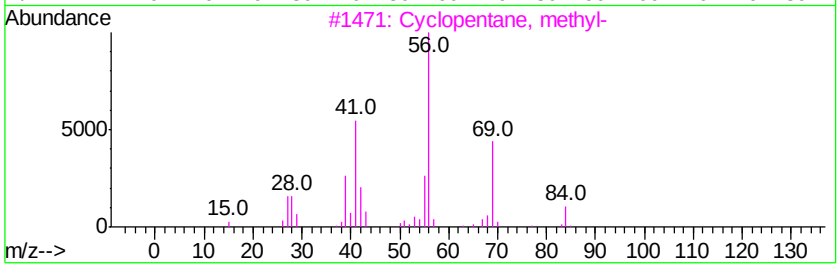
R.T.	EstConc	Area	Relative to ISTD	R.T.
6.72	2.26 ng/ul	25415	1,4-Dichlorobenzene-d4	8.01

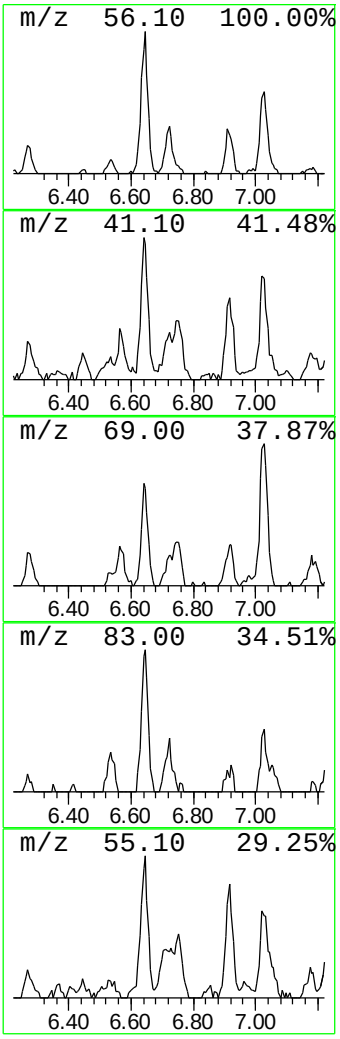
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Cyclopentanedione, 4,4-dimet...	126	C7H10O2	004683-51-6	59
2	Cyclopentane, methyl-	84	C6H12	000096-37-7	58
3	Cyclopentane, methyl-	84	C6H12	000096-37-7	58
4	Cyclopentane, methyl-	84	C6H12	000096-37-7	53
5	Cyclohexane	84	C6H12	000110-82-7	50











Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG101515\
Data File : BG019216.D
Acq On : 15 Oct 2015 21:45
Operator : UM/NP
Sample : G3966-21
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5LJ5

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

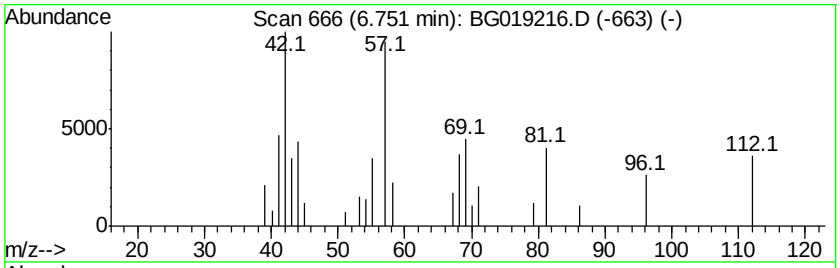
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

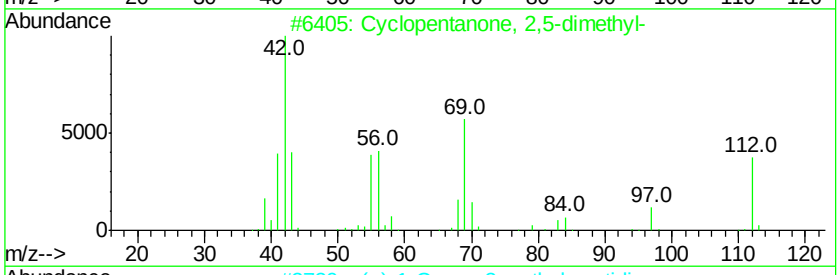
****

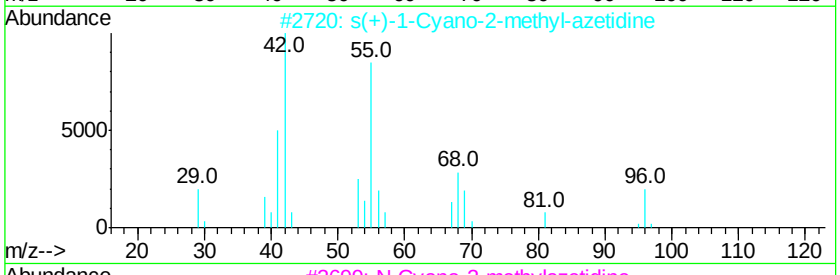
Peak Number 7 unknown-01 Concentration Rank 63

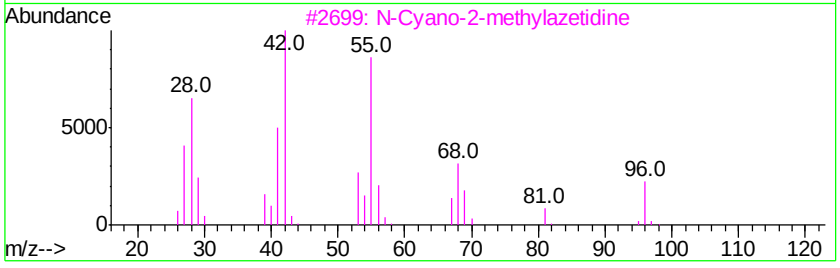
R.T.	EstConc	Area	Relative to ISTD	R.T.
6.75	3.33 ng/ul	37474	1,4-Dichlorobenzene-d4	8.01

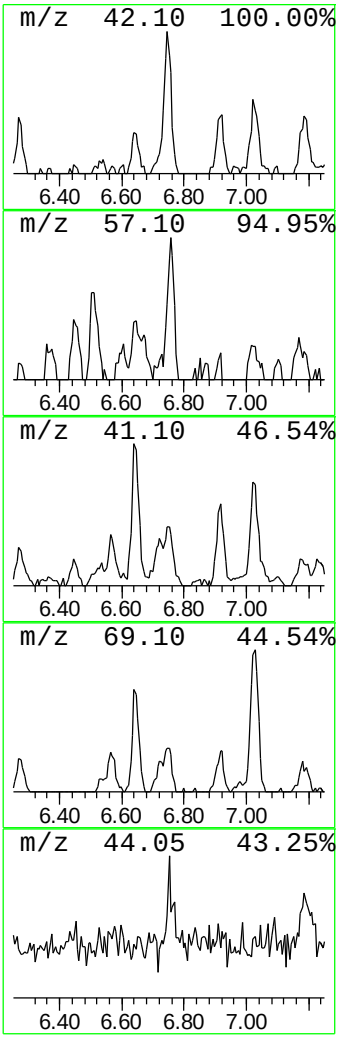
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentanone, 2,5-dimethyl-	112	C7H12O	004041-09-2	38
2	s(+)-1-Cyano-2-methyl-azetidine	96	C5H8N2	1000143-32-0	38
3	N-Cyano-2-methylazetidine	96	C5H8N2	042364-46-5	32
4	Cycloheptanol	114	C7H14O	000502-41-0	22
5	Cycloheptanol	114	C7H14O	000502-41-0	22











Data Path : Z:\HPCHEM1\BNA G\DATA\BG101515\
Data File : BG019216.D
Acq On : 15 Oct 2015 21:45
Operator : UM/NP
Sample : G3966-21
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5LJ5

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

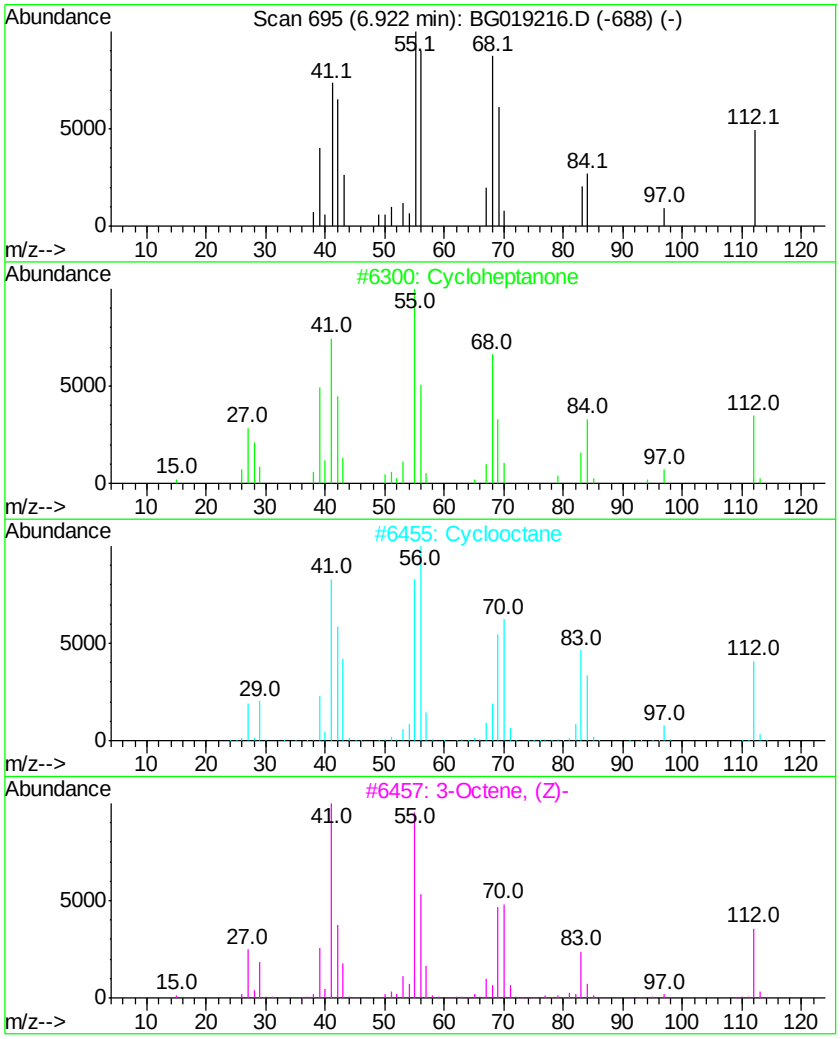
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

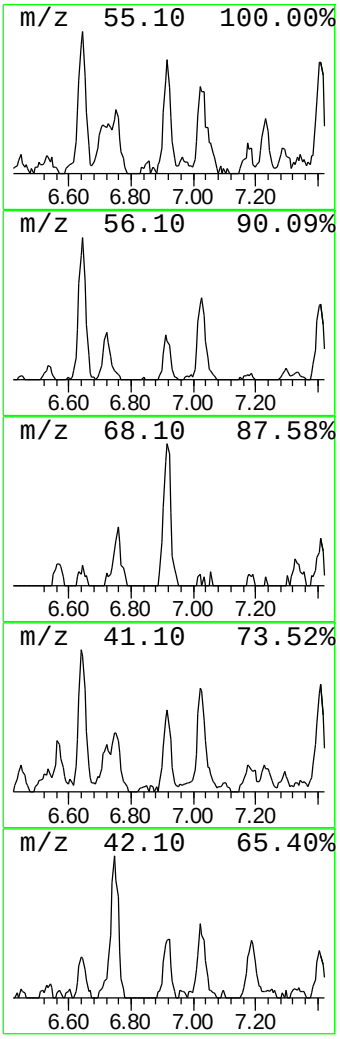
****

Peak Number 8 Cycloheptanone Concentration Rank 64

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.92	3.32 ng/ul	37294	1,4-Dichlorobenzene-d4	8.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cycloheptanone	112	C7H12O	000502-42-1	70
2	Cyclooctane	112	C8H16	000292-64-8	58
3	3-Octene, (Z)-	112	C8H16	014850-22-7	52
4	Cyclohexanone, 4-methyl-	112	C7H12O	000589-92-4	50
5	1-Hexene	84	C6H12	000592-41-6	50





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG101515\
Data File : BG019216.D
Acq On : 15 Oct 2015 21:45
Operator : UM/NP
Sample : G3966-21
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5LJ5

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

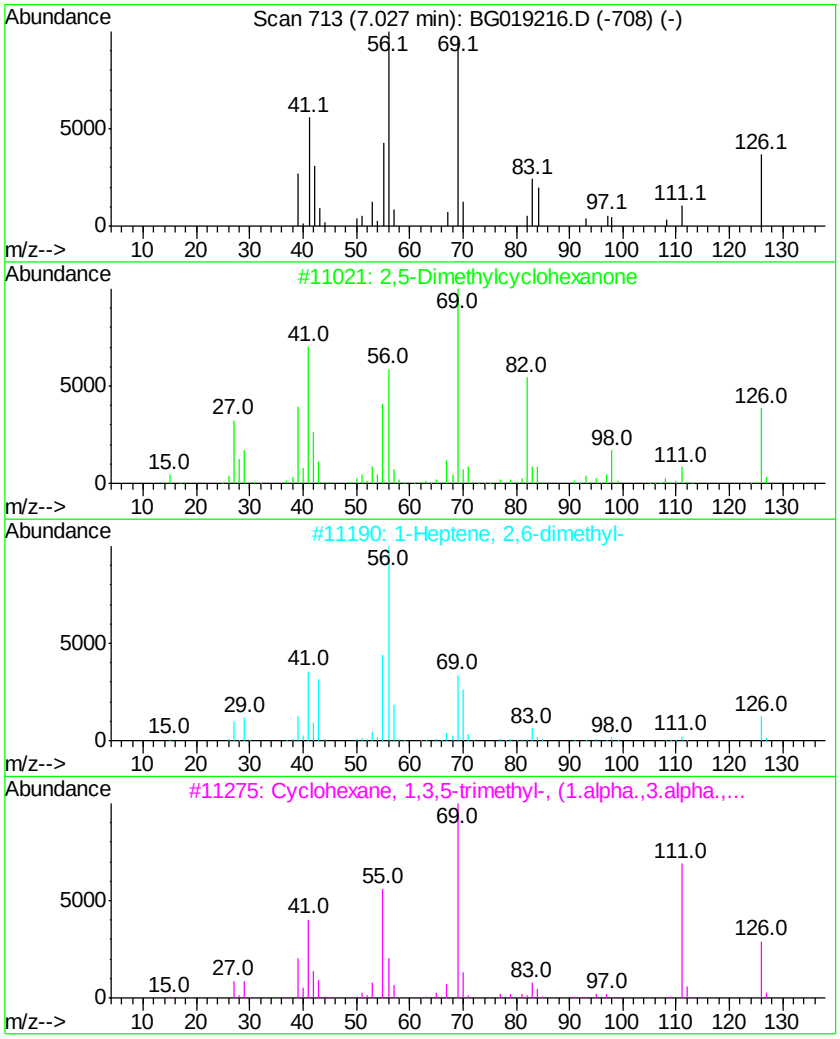
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

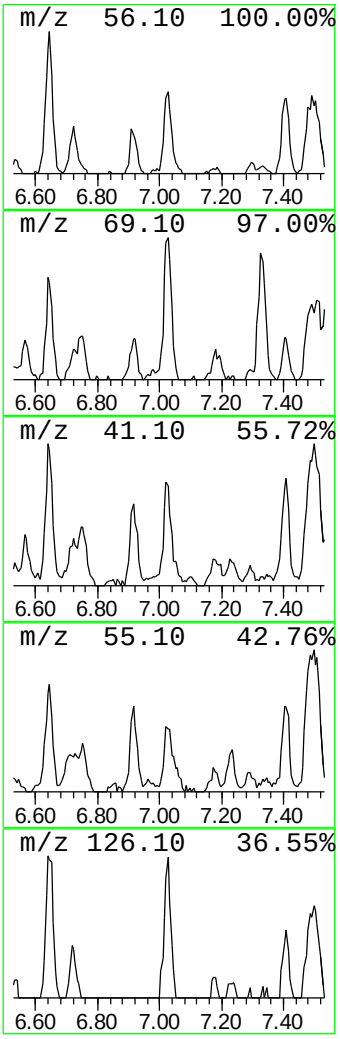
****

Peak Number 9 2,5-Dimethylcyclohexanone Concentration Rank 56

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.03	5.00 ng/ul	56167	1,4-Dichlorobenzene-d4	8.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,5-Dimethylcyclohexanone	126	C8H14O	000932-51-4	50
2	1-Heptene, 2,6-dimethyl-	126	C9H18	003074-78-0	47
3	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	43
4	3,4-Dimethyl cyclohexanone	126	C8H14O	005465-09-8	43
5	Cyclohexanone, 3,5-dimethyl-, cis-	126	C8H14O	007214-52-0	38





Data Path : Z:\HPCHEM1\BNA G\DATA\BG101515\
Data File : BG019216.D
Acq On : 15 Oct 2015 21:45
Operator : UM/NP
Sample : G3966-21
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5LJ5

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

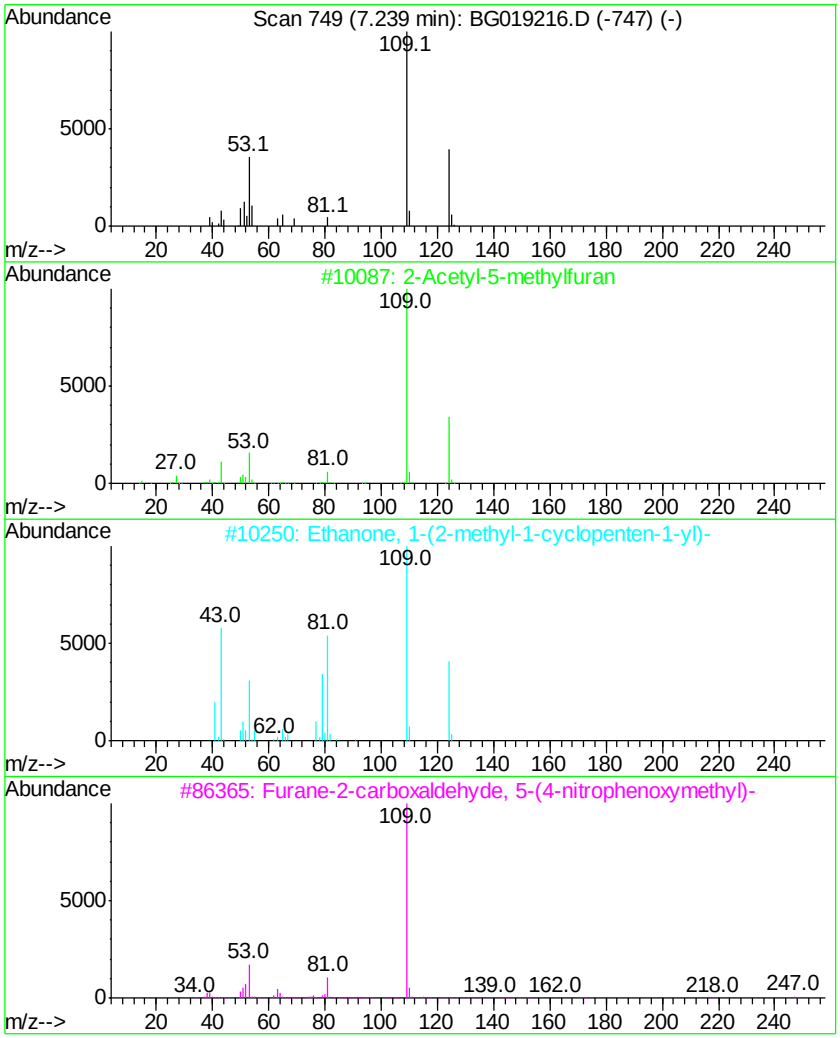
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

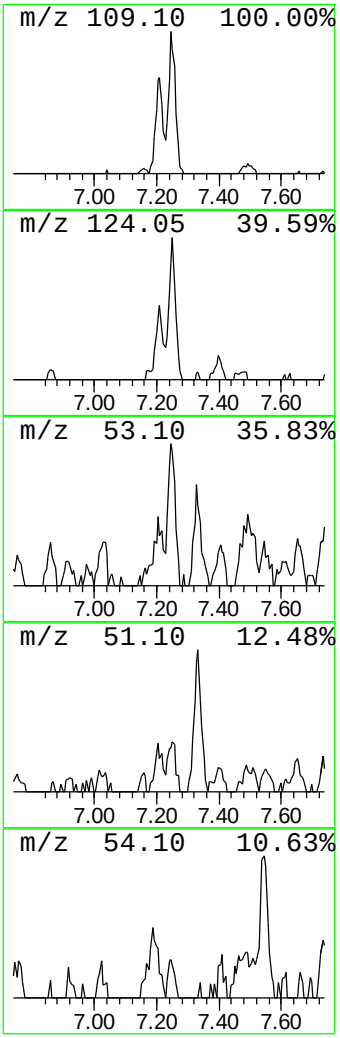
****

Peak Number 10 2-Acetyl-5-methylfuran Concentration Rank 62

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.24	3.45 ng/ul	38818	1,4-Dichlorobenzene-d4	8.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Acetyl-5-methylfuran	124	C7H8O2	001193-79-9	90
2	Ethanone, 1-(2-methyl-1-cyclopen...	124	C8H12O	003168-90-9	86
3	Furane-2-carboxaldehyde, 5-(4-ni...	247	C12H9NO5	1000273-82-3	64
4	Cyclopent-2-ene-1-one, 2,3,4-tri...	124	C8H12O	083321-16-8	64
5	Cyclohexene, 3,3,5-trimethyl-	124	C9H16	000503-45-7	64





Data Path : Z:\HPCHEM1\BNA G\DATA\BG101515\
Data File : BG019216.D
Acq On : 15 Oct 2015 21:45
Operator : UM/NP
Sample : G3966-21
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5LJ5

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

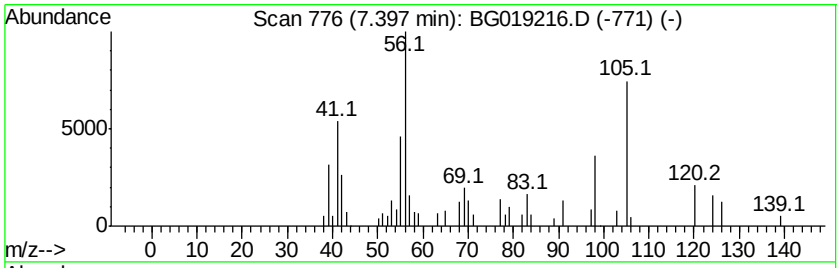
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

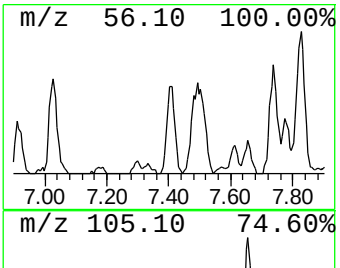
****

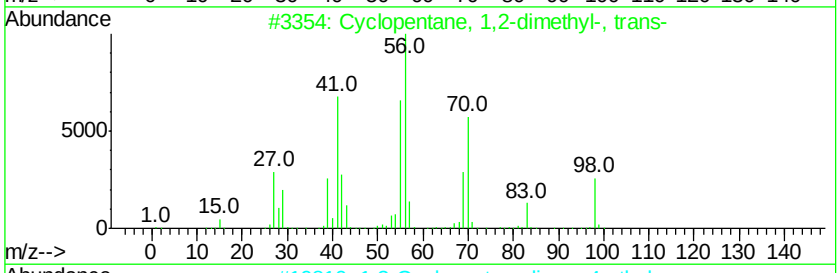
Peak Number 11 (DEL) Alkane: Cyclic7.40 Concentration Rank 55

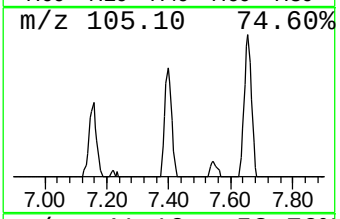
R.T.	EstConc	Area	Relative to ISTD	R.T.
7.40	5.37 ng/ul	60418	1,4-Dichlorobenzene-d4	8.01

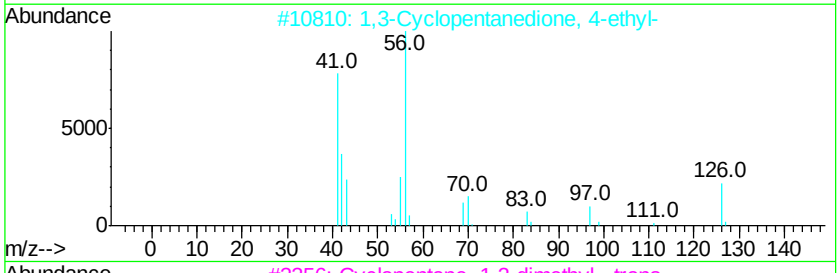
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	70
2	1,3-Cyclopentanedione, 4-ethyl-	126	C7H10O2	057157-03-6	49
3	Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	47
4	1-Octene, 2-methyl-	126	C9H18	004588-18-5	46
5	Isopropylcyclobutane	98	C7H14	000872-56-0	43

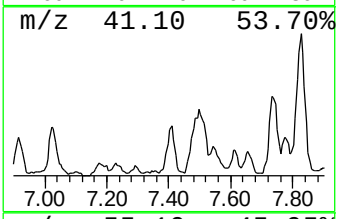


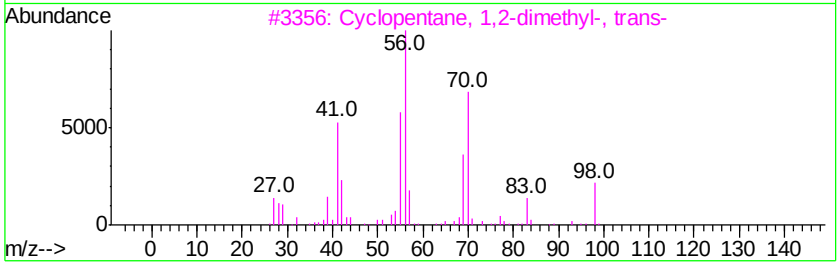


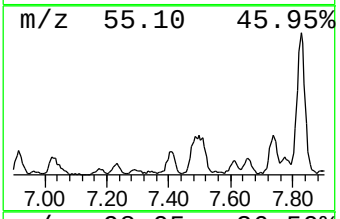


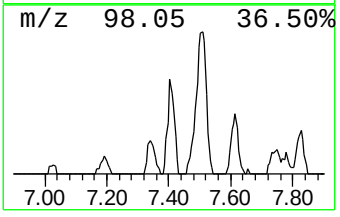












Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG101515\
Data File : BG019216.D
Acq On : 15 Oct 2015 21:45
Operator : UM/NP
Sample : G3966-21
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5LJ5

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

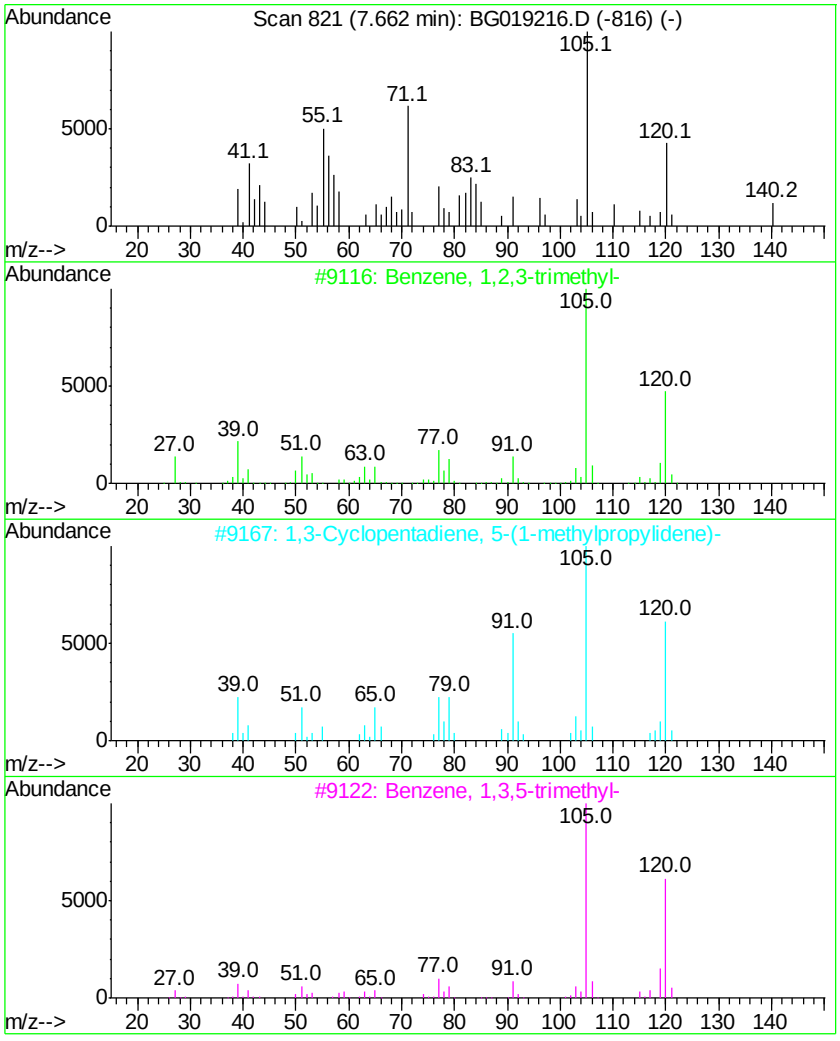
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

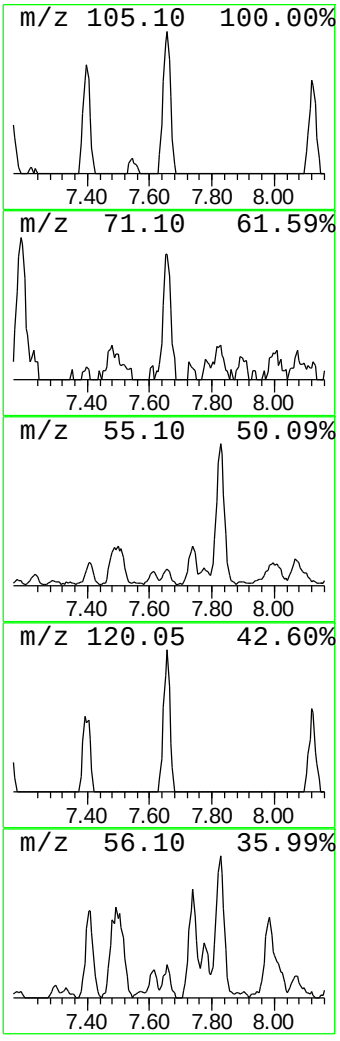
****

Peak Number 12 Benzene, 1,2,3-trimethyl- Concentration Rank 57

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.66	4.61 ng/ul	51798	1,4-Dichlorobenzene-d4	8.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	38
2	1,3-Cyclopentadiene, 5-(1-methyl...	120	C9H12	003141-02-4	30
3	Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	30
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	30
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	27





Data Path : Z:\HPCHEM1\BNA G\DATA\BG101515\
Data File : BG019216.D
Acq On : 15 Oct 2015 21:45
Operator : UM/NP
Sample : G3966-21
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5LJ5

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

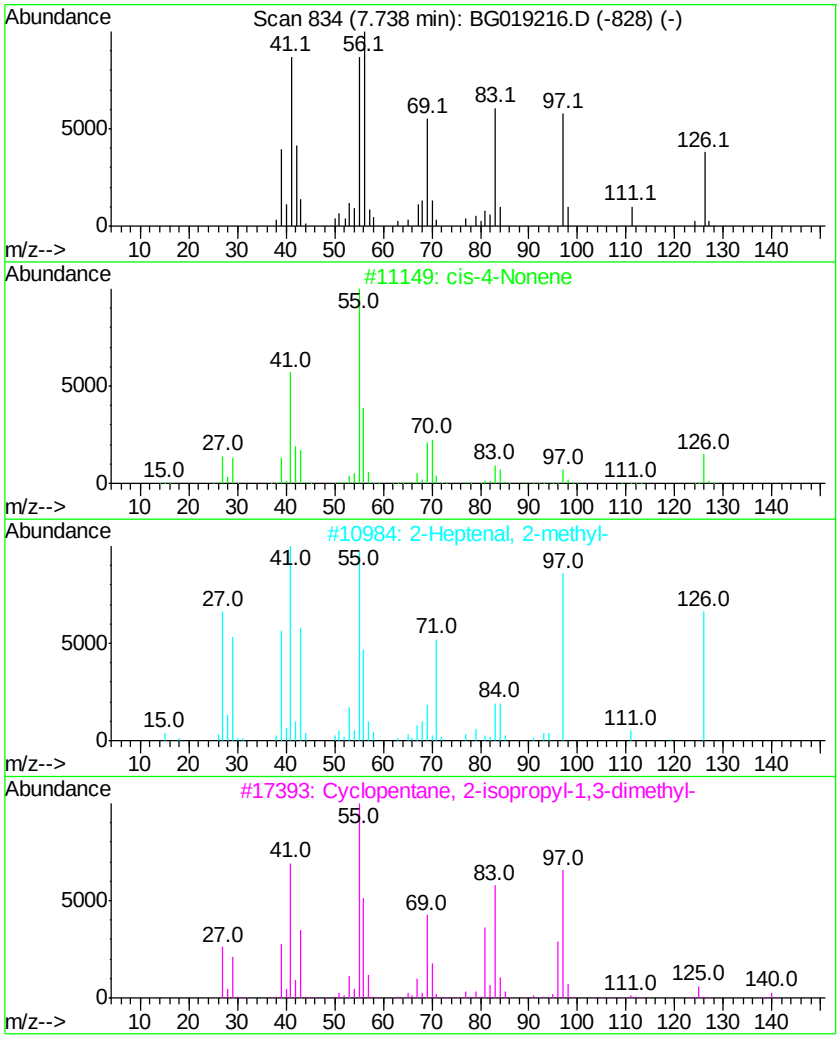
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

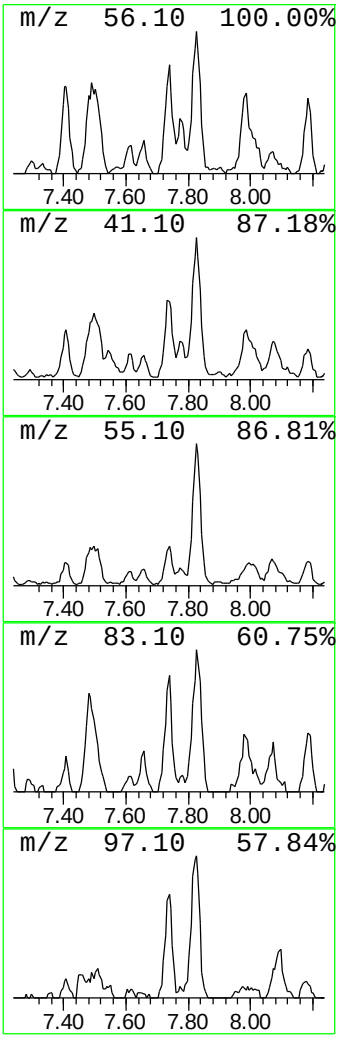
****

Peak Number 13 (DEL) Alkane: Cyclic7.74 Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.74	8.12 ng/ul	91307	1,4-Dichlorobenzene-d4	8.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	cis-4-Nonene	126	C9H18	010405-84-2	43
2	2-Heptenal, 2-methyl-	126	C8H14O	030567-26-1	38
3	Cyclopentane, 2-isopropyl-1,3-di...	140	C10H20	032281-85-9	38
4	3H-Pyrazol-3-one, 2,4-dihydro-4,...	126	C6H10N2O	003201-20-5	38
5	1-Propenylaziridine	83	C5H9N	1000192-51-0	38





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG101515\
Data File : BG019216.D
Acq On : 15 Oct 2015 21:45
Operator : UM/NP
Sample : G3966-21
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5LJ5

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

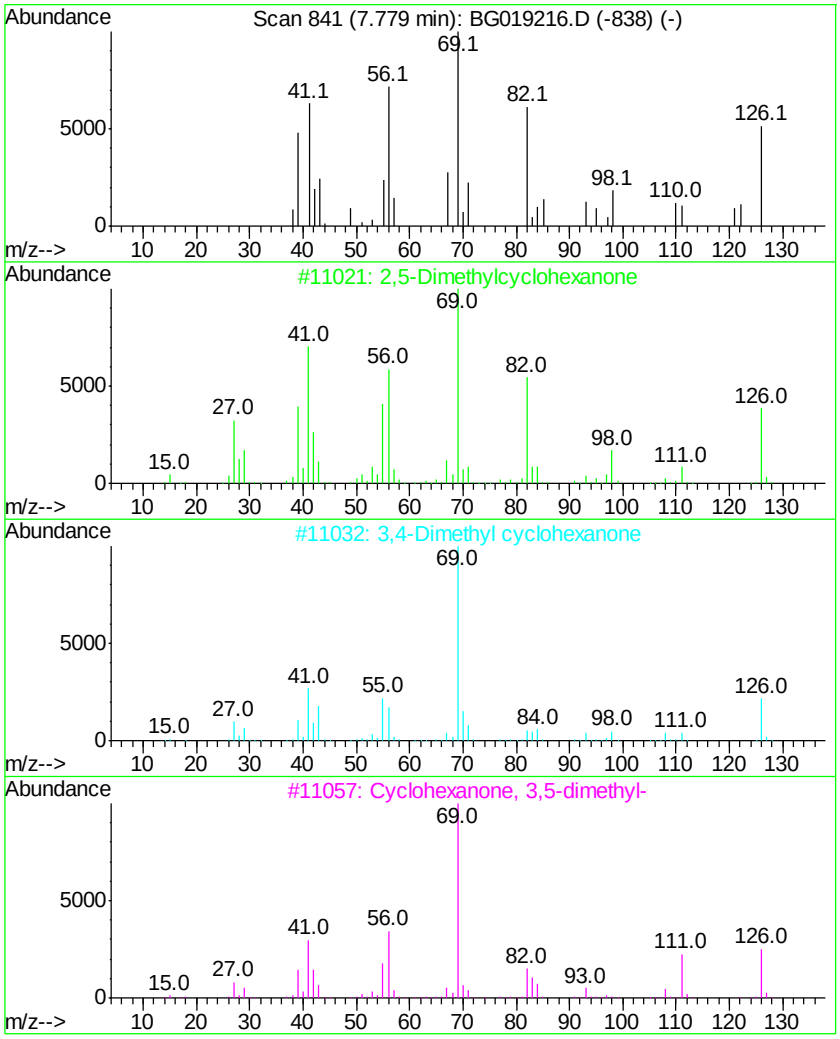
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

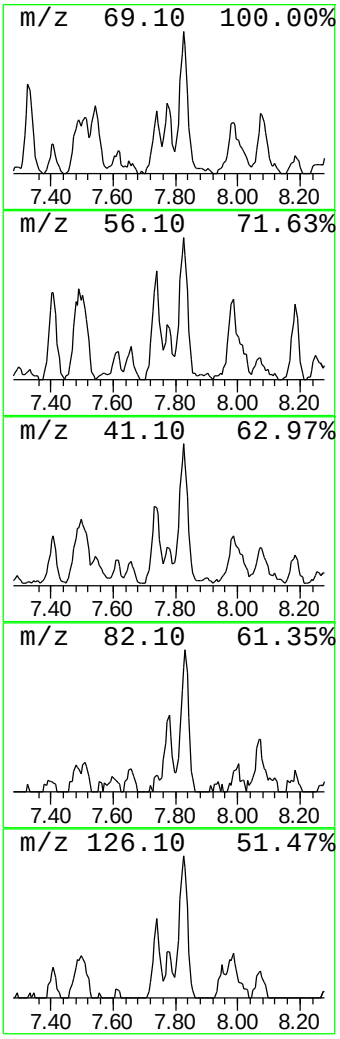
****

Peak Number 14 unknown-02 Concentration Rank 65

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.78	2.91 ng/ul	32735	1,4-Dichlorobenzene-d4	8.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,5-Dimethylcyclohexanone	126	C8H14O	000932-51-4	87
2	3,4-Dimethyl cyclohexanone	126	C8H14O	005465-09-8	43
3	Cyclohexanone, 3,5-dimethyl-	126	C8H14O	002320-30-1	40
4	5-Methyl-1,3-cyclohexanedione	126	C7H10O2	004341-24-6	38
5	Cycloheptanone, 3-methyl-, (R)-	126	C8H14O	013609-58-0	33





Data Path : Z:\HPCHEM1\BNA G\DATA\BG101515\
Data File : BG019216.D
Acq On : 15 Oct 2015 21:45
Operator : UM/NP
Sample : G3966-21
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5LJ5

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

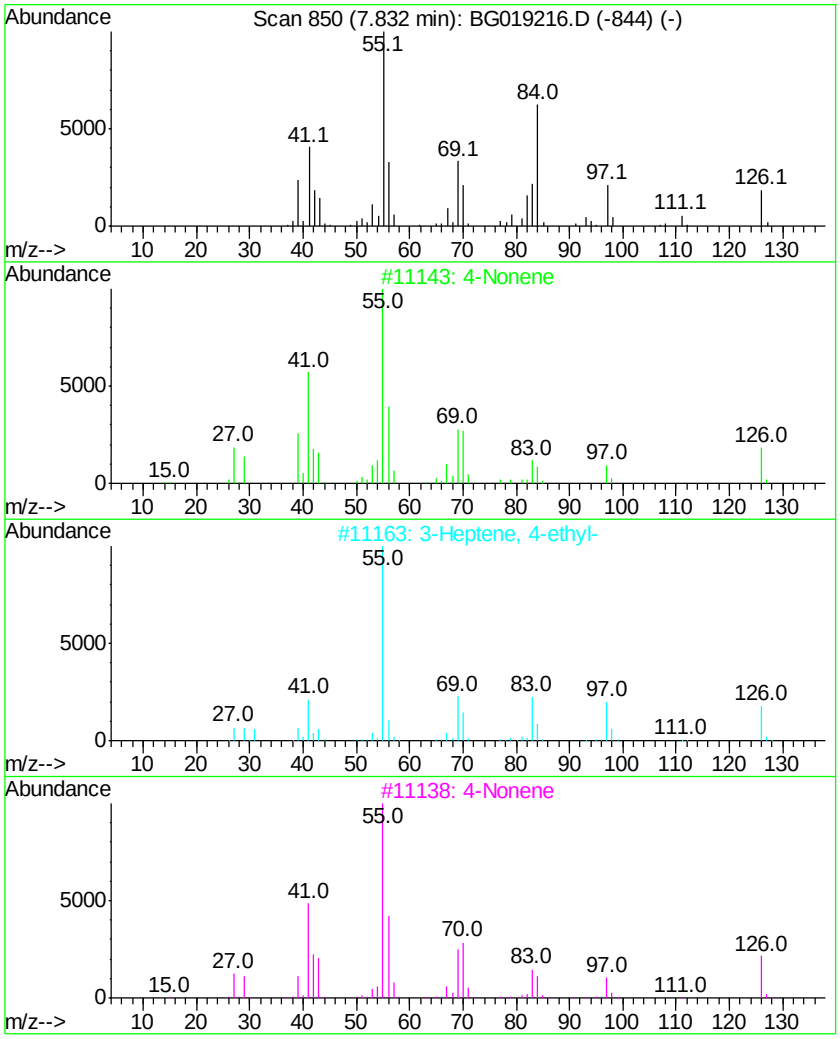
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

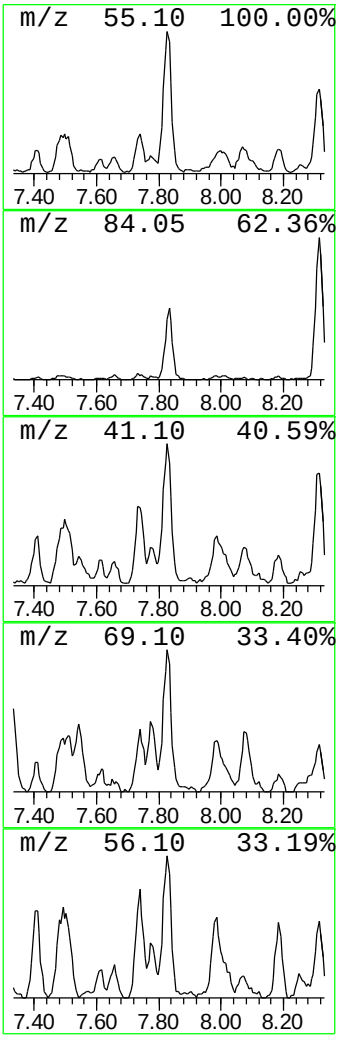
****

Peak Number 15 (DEL) Alkane: Cyclic7.83 Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.83	18.21 ng/ul	204668	1,4-Dichlorobenzene-d4	8.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Nonene	126	C9H18	002198-23-4	53
2	3-Heptene, 4-ethyl-	126	C9H18	033933-74-3	52
3	4-Nonene	126	C9H18	002198-23-4	52
4	4-Nonene	126	C9H18	002198-23-4	52
5	Cyclohexanone, 4-ethyl-	126	C8H14O	005441-51-0	52





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG101515\
Data File : BG019216.D
Acq On : 15 Oct 2015 21:45
Operator : UM/NP
Sample : G3966-21
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5LJ5

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

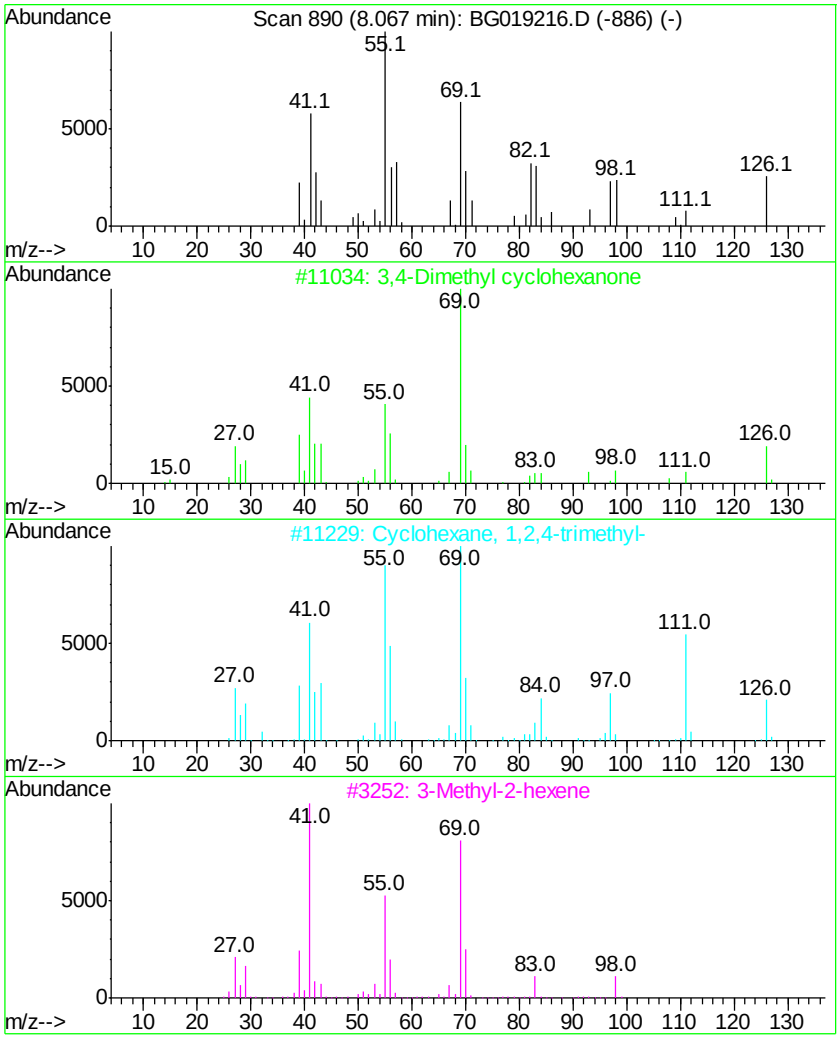
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

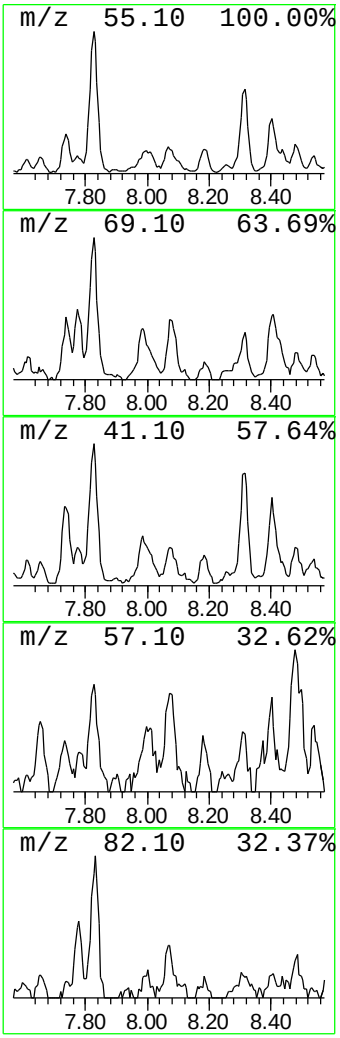
****

Peak Number 16 3,4-Dimethyl cyclohexanone Concentration Rank 60

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.07	3.84 ng/ul	43157	1,4-Dichlorobenzene-d4	8.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,4-Dimethyl cyclohexanone	126	C8H14O	005465-09-8	52
2	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	52
3	3-Methyl-2-hexene	98	C7H14	017618-77-8	49
4	1-Butene, 2-ethyl-3-methyl-	98	C7H14	007357-93-9	47
5	Cyclopropane, 1,1-diethyl-	98	C7H14	001003-19-6	47





Data Path : Z:\HPCHEM1\BNA G\DATA\BG101515\
Data File : BG019216.D
Acq On : 15 Oct 2015 21:45
Operator : UM/NP
Sample : G3966-21
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5LJ5

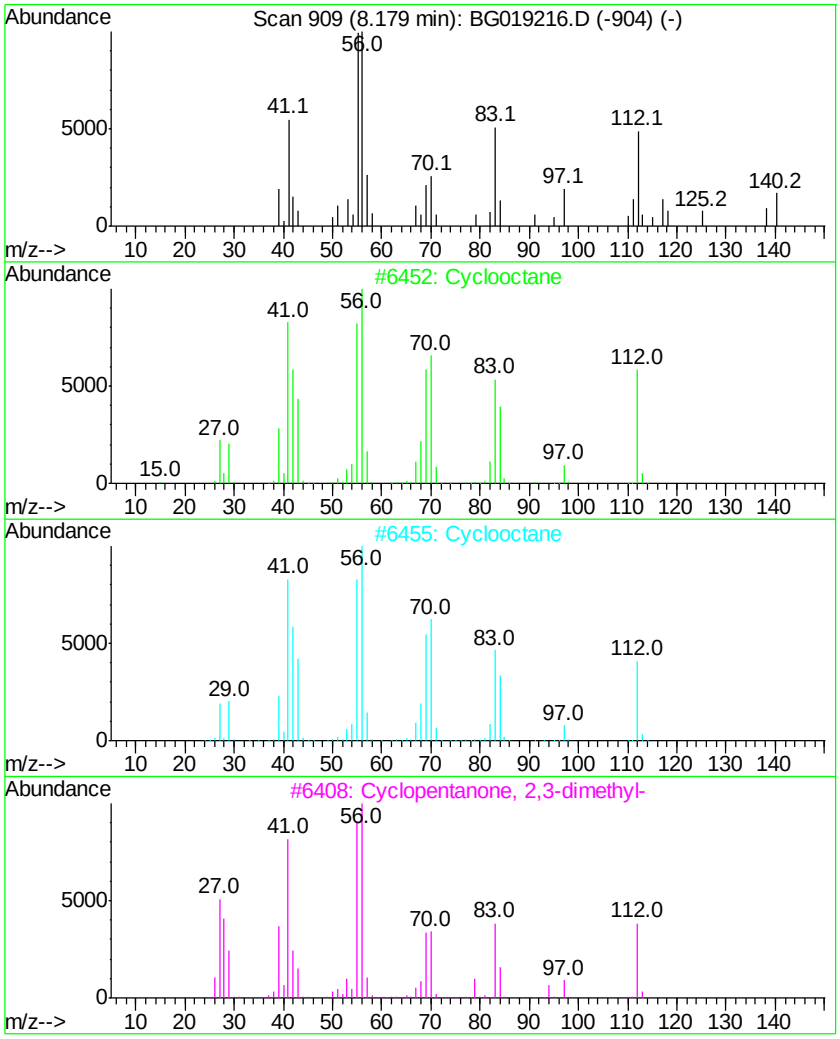
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG101515.M
Quant Title : SVOA CALIBRATION

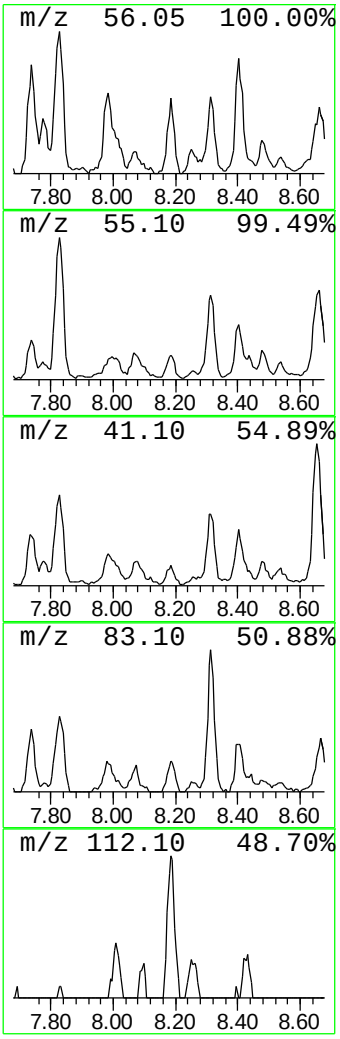
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 (DEL) Alkane: Cyclic8.18 Concentration Rank 59

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.18	4.06 ng/ul	45684	1,4-Dichlorobenzene-d4	8.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclooctane	112	C8H16	000292-64-8	64
2	Cyclooctane	112	C8H16	000292-64-8	64
3	Cyclopentanone, 2,3-dimethyl-	112	C7H12O	1000151-06-7	58
4	2-Chloro-2,4-dimethylpentane	134	C7H15Cl	035951-33-8	50
5	1-Heptene, 2-methyl-	112	C8H16	015870-10-7	47





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG101515\
Data File : BG019216.D
Acq On : 15 Oct 2015 21:45
Operator : UM/NP
Sample : G3966-21
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5LJ5

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

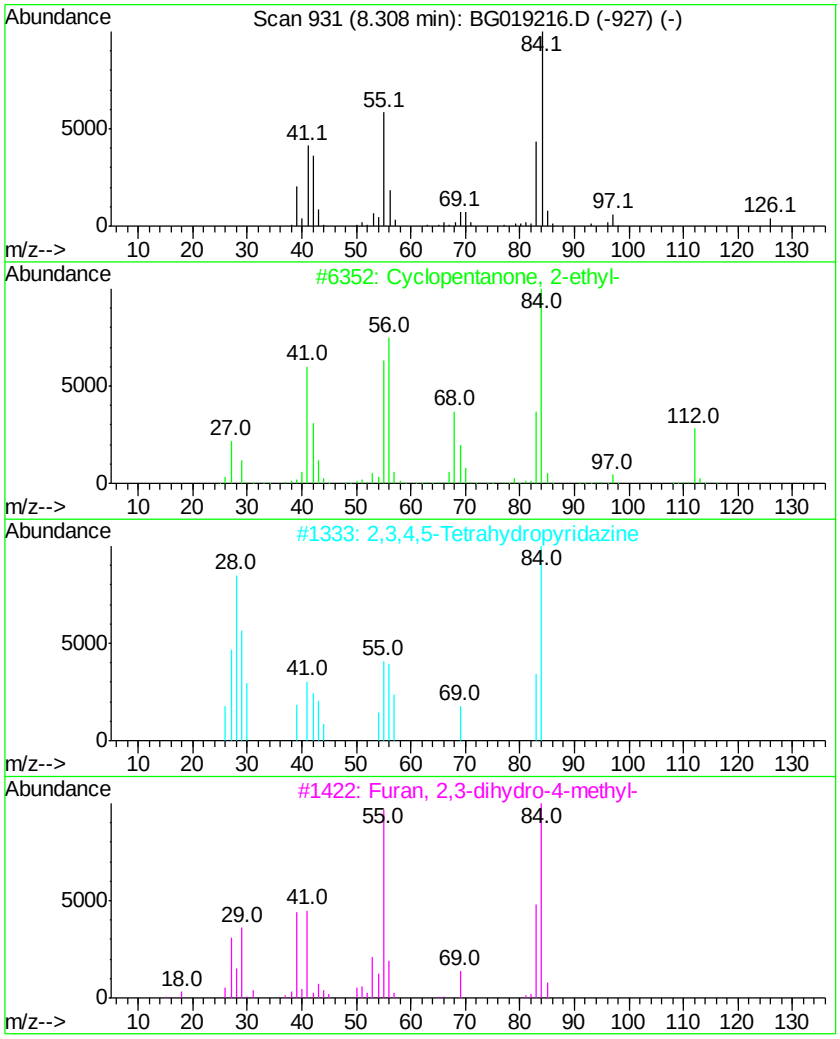
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

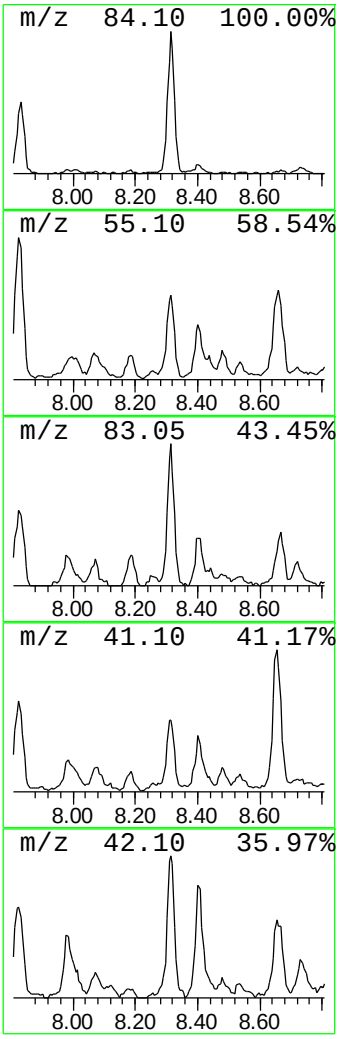
****

Peak Number 18 Cyclopentanone, 2-ethyl- Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.31	11.59 ng/ul	130311	1,4-Dichlorobenzene-d4	8.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentanone, 2-ethyl-	112	C7H12O	004971-18-0	50
2	2,3,4,5-Tetrahydropyridazine	84	C4H8N2	000694-06-4	50
3	Furan, 2,3-dihydro-4-methyl-	84	C5H8O	034314-83-5	45
4	Cyclopentanone, 2-ethyl-	112	C7H12O	004971-18-0	39
5	Cyclopentanone, 2-(1-methylpropyl)-	140	C9H16O	006376-92-7	38





Data Path : Z:\HPCHEM1\BNA G\DATA\BG101515\
Data File : BG019216.D
Acq On : 15 Oct 2015 21:45
Operator : UM/NP
Sample : G3966-21
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5LJ5

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

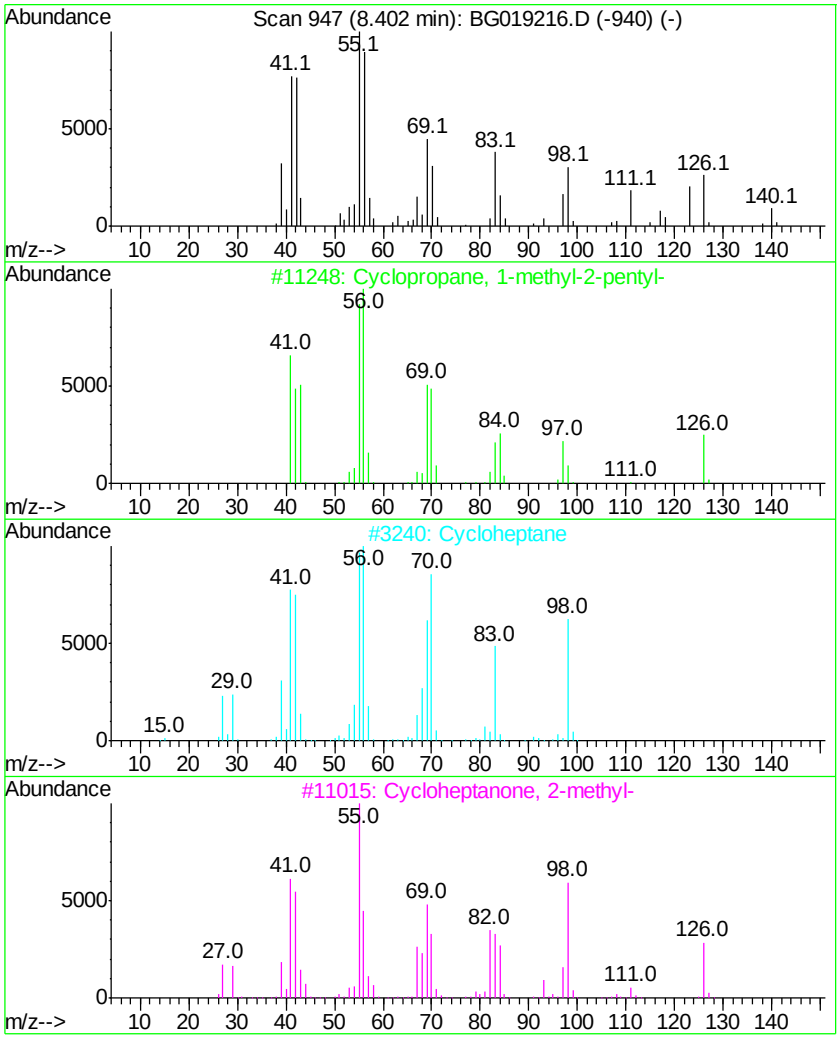
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

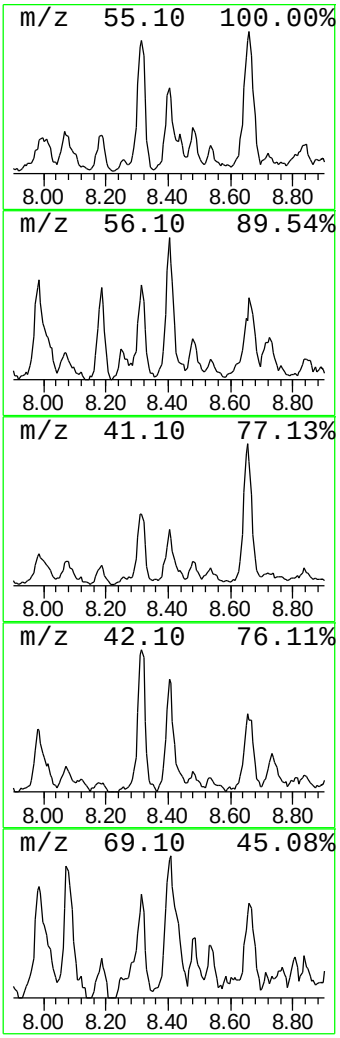
****

Peak Number 19 (DEL) Alkane: Cyclic8.40 Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.40	12.50 ng/ul	140527	1,4-Dichlorobenzene-d4	8.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropane, 1-methyl-2-pentyl-	126	C9H18	041977-37-1	81
2	Cycloheptane	98	C7H14	000291-64-5	62
3	Cycloheptanone, 2-methyl-	126	C8H14O	000932-56-9	58
4	2-Decene, (E)-	140	C10H20	020063-97-2	50
5	cis-2-Nonene	126	C9H18	006434-77-1	46





Data Path : Z:\HPCHEM1\BNA G\DATA\BG101515\
Data File : BG019216.D
Acq On : 15 Oct 2015 21:45
Operator : UM/NP
Sample : G3966-21
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5LJ5

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

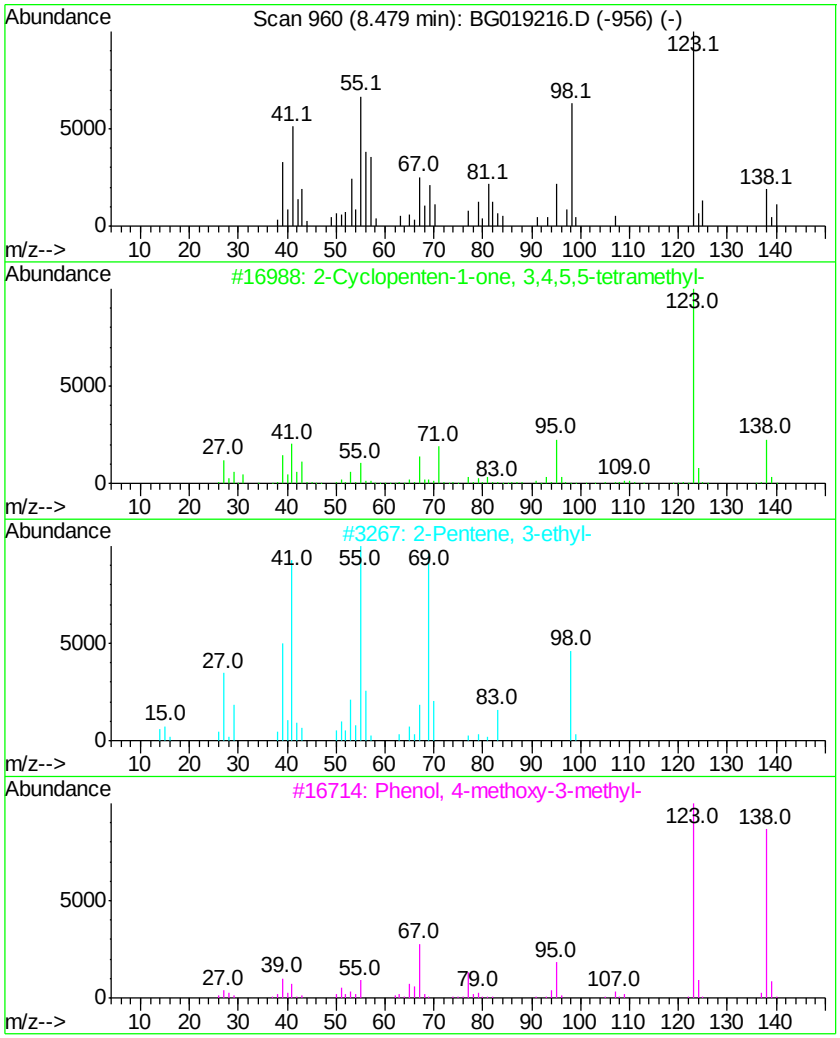
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

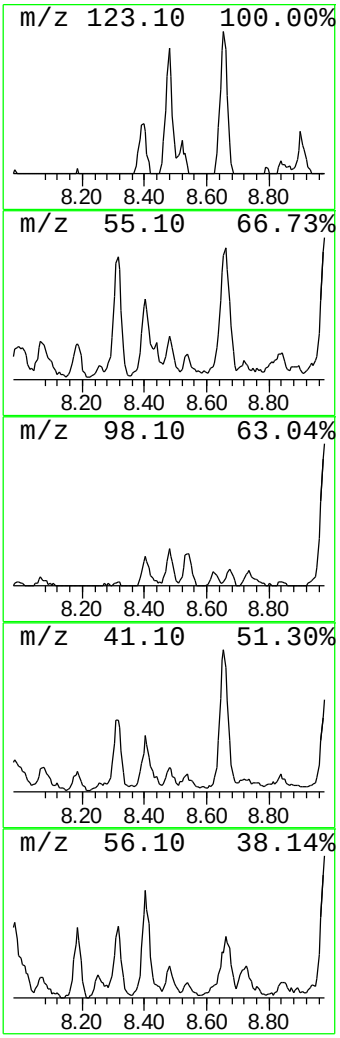
****

Peak Number 20 unknown-03 Concentration Rank 58

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.48	4.19 ng/ul	47051	1,4-Dichlorobenzene-d4	8.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Cyclopenten-1-one, 3,4,5,5-tet...	138	C9H14O	090611-02-2	38
2	2-Pentene, 3-ethyl-	98	C7H14	000816-79-5	35
3	Phenol, 4-methoxy-3-methyl-	138	C8H10O2	014786-82-4	35
4	2-Pentene, 3,4-dimethyl-, (Z)-	98	C7H14	004914-91-4	25
5	1,3-Benzenediol, 4-ethyl-	138	C8H10O2	002896-60-8	25





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG101515\
Data File : BG019216.D
Acq On : 15 Oct 2015 21:45
Operator : UM/NP
Sample : G3966-21
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5LJ5

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

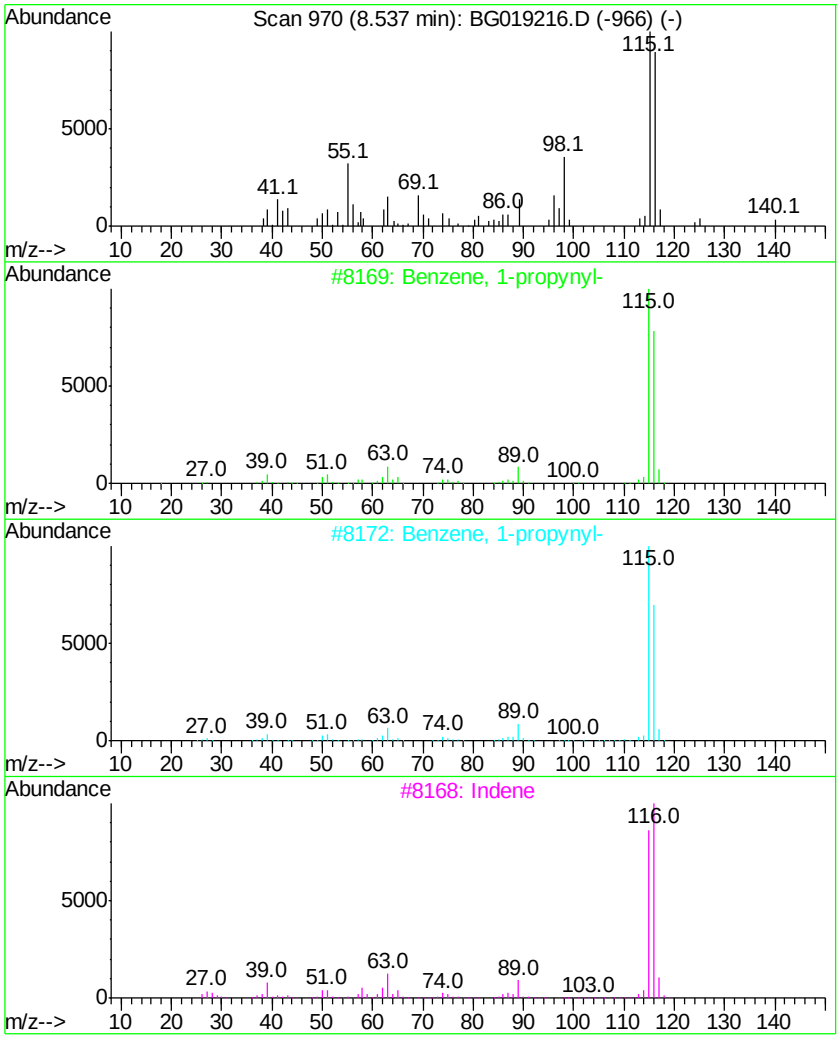
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

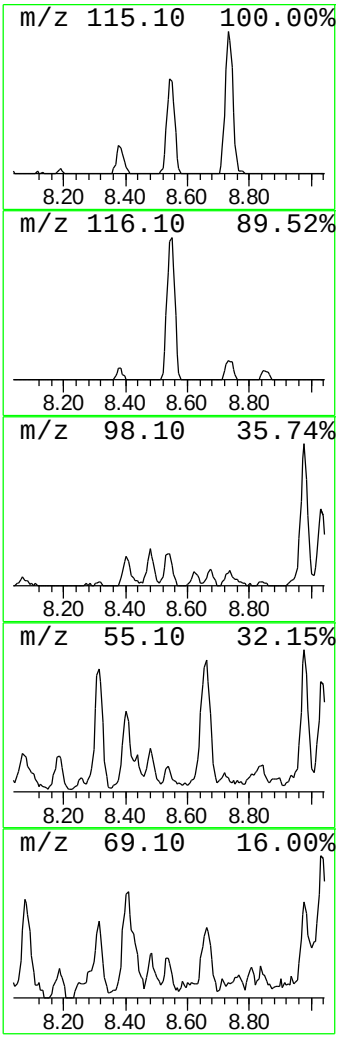
****

Peak Number 21 Benzene, 1-propynyl- Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.54	6.83 ng/ul	76754	1,4-Dichlorobenzene-d4	8.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-propynyl-	116	C9H8	000673-32-5	87
2	Benzene, 1-propynyl-	116	C9H8	000673-32-5	83
3	Indene	116	C9H8	000095-13-6	81
4	Benzene,1-ethynyl-2-methyl-	116	C9H8	000766-47-2	80
5	Benzene, 1,2-propadienyl-	116	C9H8	002327-99-3	74





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG101515\
Data File : BG019216.D
Acq On : 15 Oct 2015 21:45
Operator : UM/NP
Sample : G3966-21
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5LJ5

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

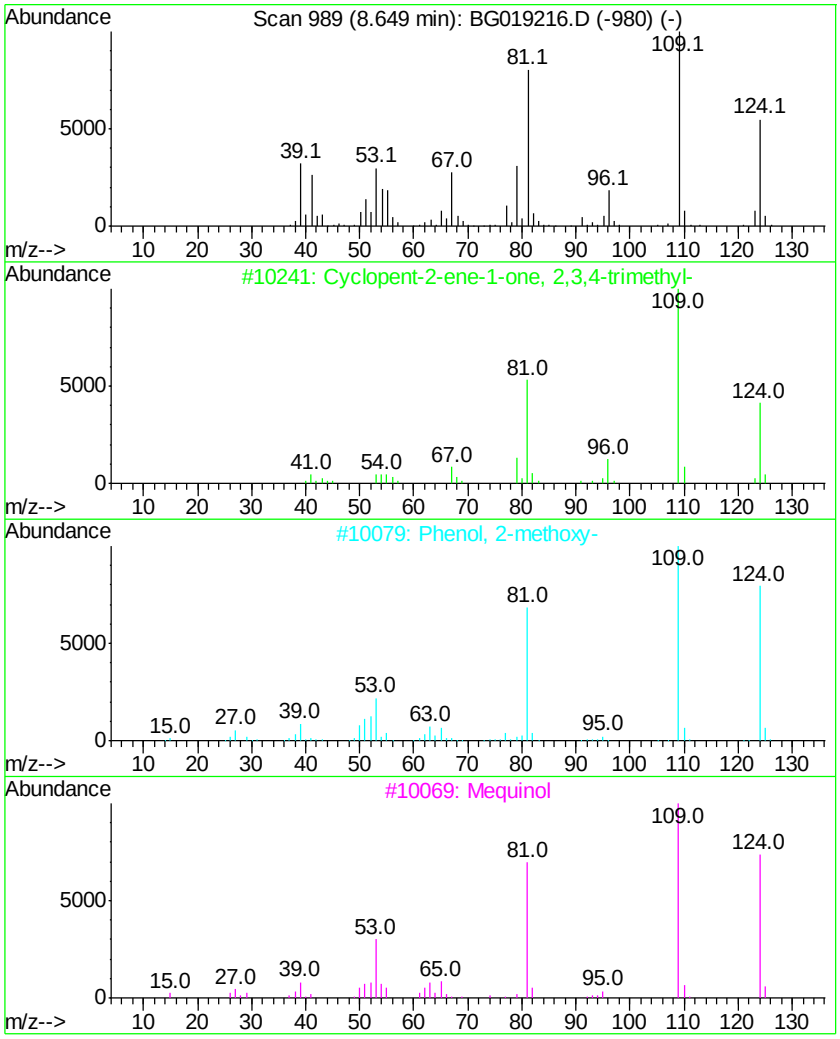
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

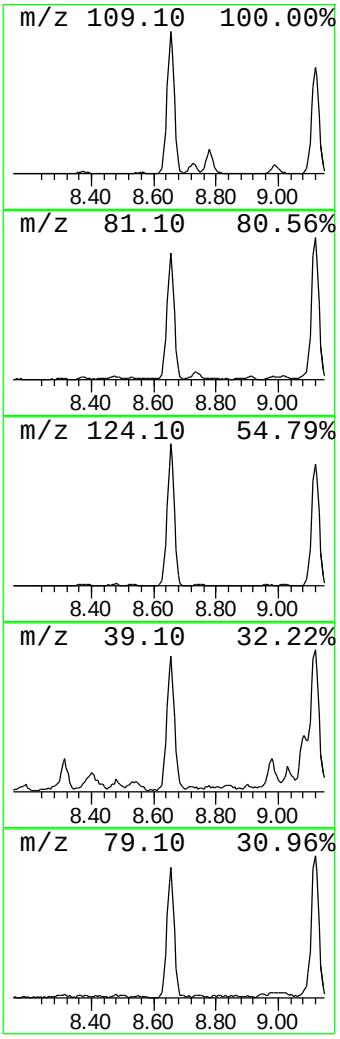
****

Peak Number 22 Cyclopent-2-ene-1-one, 2,3,... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.65	61.78 ng/ul	694593	1,4-Dichlorobenzene-d4	8.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopent-2-ene-1-one, 2,3,4-tri...	124	C8H12O	083321-16-8	90
2	Phenol, 2-methoxy-	124	C7H8O2	000090-05-1	81
3	Mequinol	124	C7H8O2	000150-76-5	81
4	2-Cyclopenten-1-one, 3,4,4-trime...	124	C8H12O	030434-65-2	74
5	Phenol, 2-methoxy-	124	C7H8O2	000090-05-1	74





Data Path : Z:\HPCHEM1\BNA G\DATA\BG101515\
Data File : BG019216.D
Acq On : 15 Oct 2015 21:45
Operator : UM/NP
Sample : G3966-21
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5LJ5

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

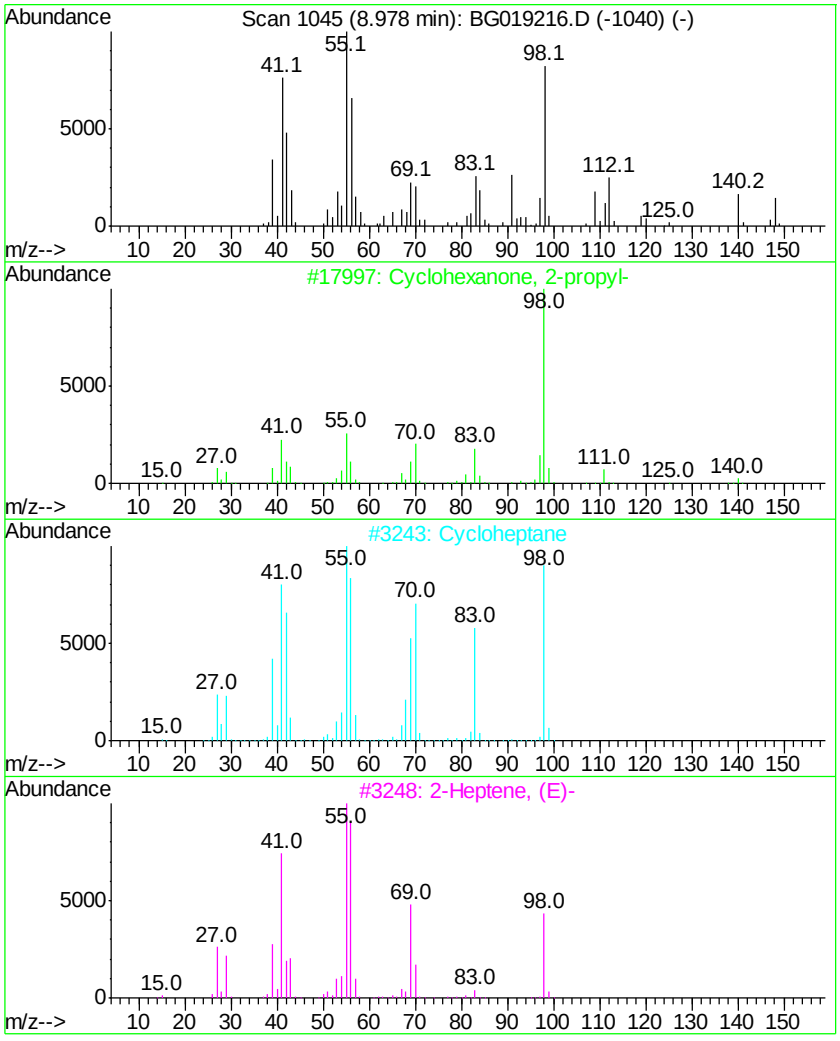
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

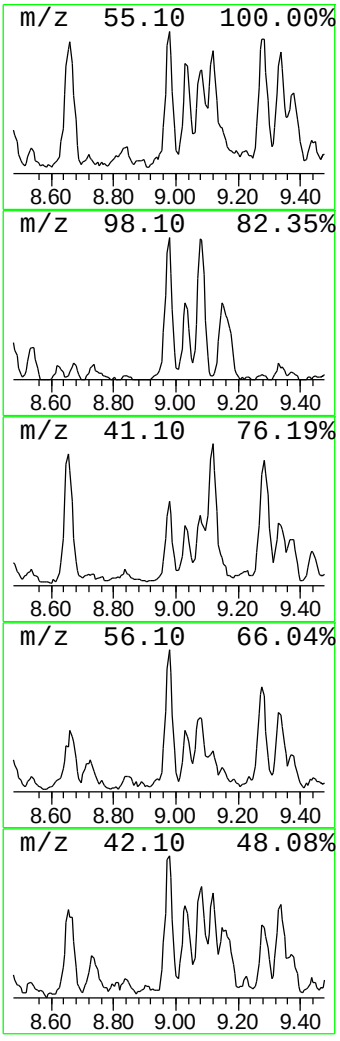
****

Peak Number 23 Cyclohexanone, 2-propyl- Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.98	16.33 ng/ul	183625	1,4-Dichlorobenzene-d4	8.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexanone, 2-propyl-	140	C9H16O	000094-65-5	58
2	Cycloheptane	98	C7H14	000291-64-5	52
3	2-Heptene, (E)-	98	C7H14	014686-13-6	49
4	1,4-Cyclooctanedione	140	C8H12O2	055794-45-1	49
5	1,3-Cyclopentanedione	98	C5H6O2	003859-41-4	46





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG101515\
Data File : BG019216.D
Acq On : 15 Oct 2015 21:45
Operator : UM/NP
Sample : G3966-21
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5LJ5

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

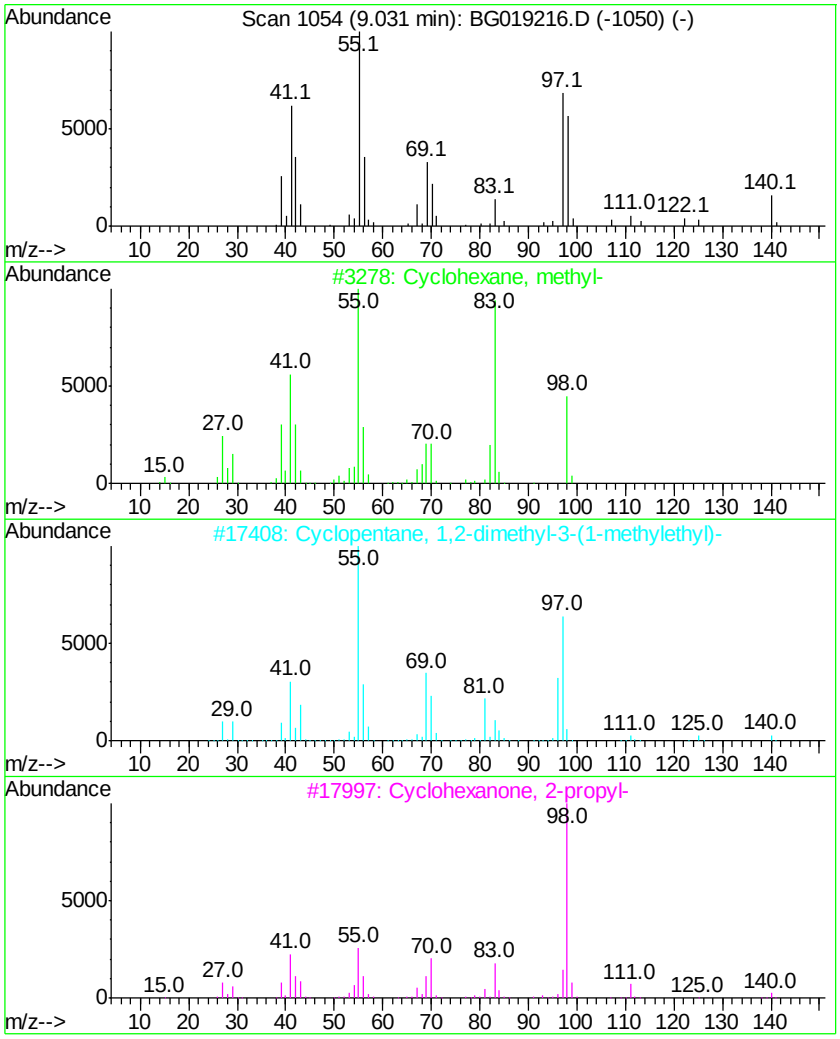
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

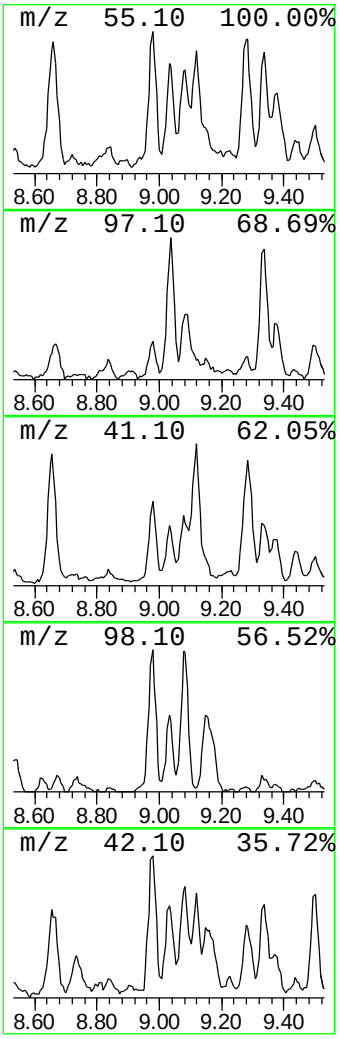
****

Peak Number 24 (DEL) Alkane: Cyclic9.03 Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.03	10.05 ng/ul	112976	1,4-Dichlorobenzene-d4	8.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, methyl-	98	C7H14	000108-87-2	52
2	Cyclopentane, 1,2-dimethyl-3-(1-...	140	C10H20	000489-20-3	50
3	Cyclohexanone, 2-propyl-	140	C9H16O	000094-65-5	50
4	Cyclohexane, 1,2-dimethyl-	112	C8H16	000583-57-3	47
5	1,3-Cyclopentanedione	98	C5H6O2	003859-41-4	46





Data Path : Z:\HPCHEM1\BNA G\DATA\BG101515\
Data File : BG019216.D
Acq On : 15 Oct 2015 21:45
Operator : UM/NP
Sample : G3966-21
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5LJ5

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

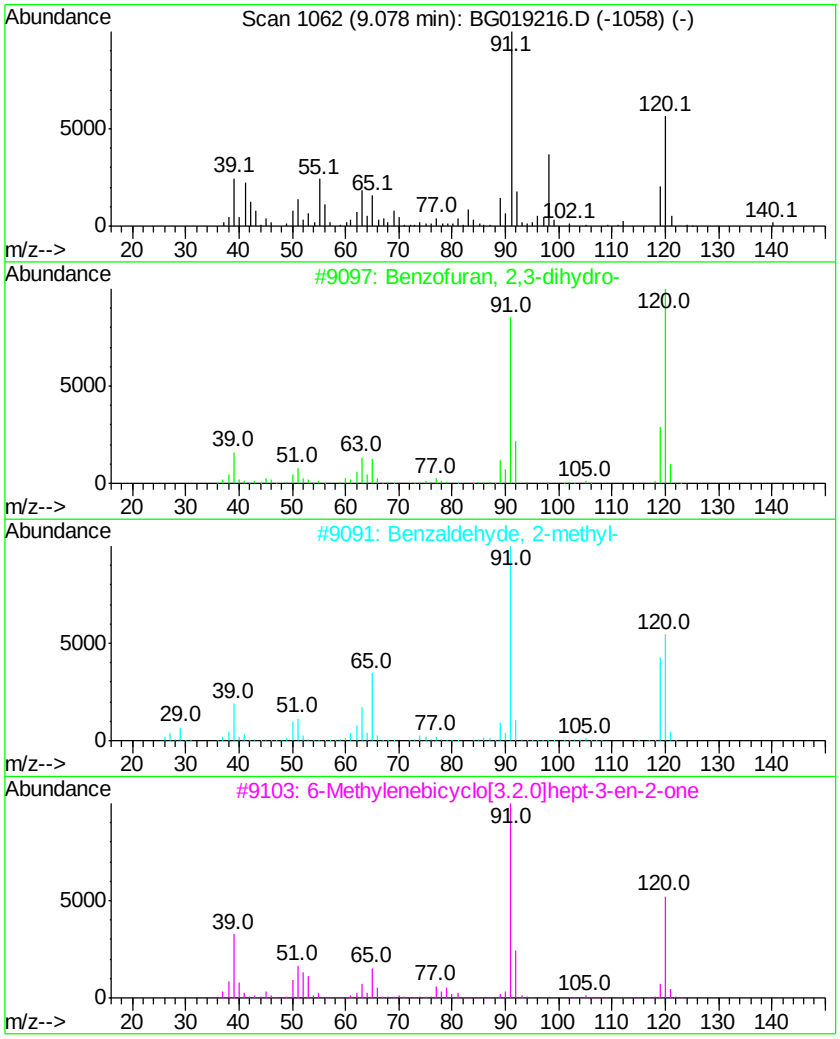
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

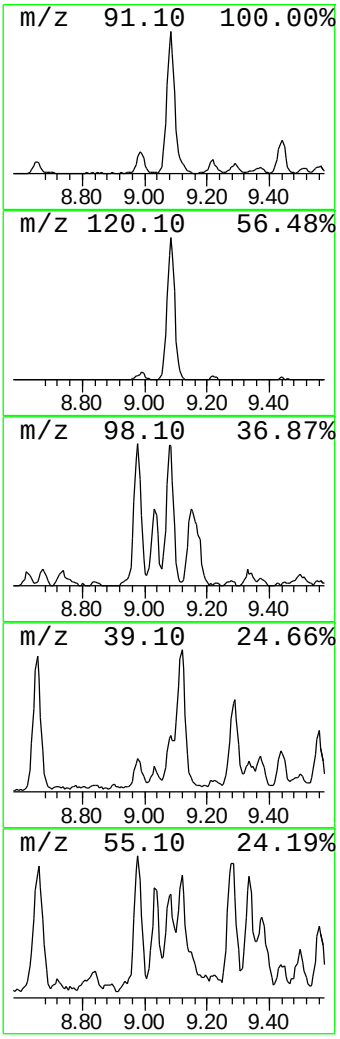
****

Peak Number 25 Benzofuran, 2,3-dihydro- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.08	27.41 ng/ul	308117	1,4-Dichlorobenzene-d4	8.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzofuran, 2,3-dihydro-	120	C8H8O	000496-16-2	90
2	Benzaldehyde, 2-methyl-	120	C8H8O	000529-20-4	49
3	6-Methylenebicyclo[3.2.0]hept-3-...	120	C8H8O	1000211-11-9	49
4	Bicyclo[4.2.0]octa-1,3,5-trien-7-ol	120	C8H8O	035447-99-5	46
5	Benzaldehyde, 3-methyl-	120	C8H8O	000620-23-5	46





Data Path : Z:\HPCHEM1\BNA G\DATA\BG101515\
Data File : BG019216.D
Acq On : 15 Oct 2015 21:45
Operator : UM/NP
Sample : G3966-21
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5LJ5

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

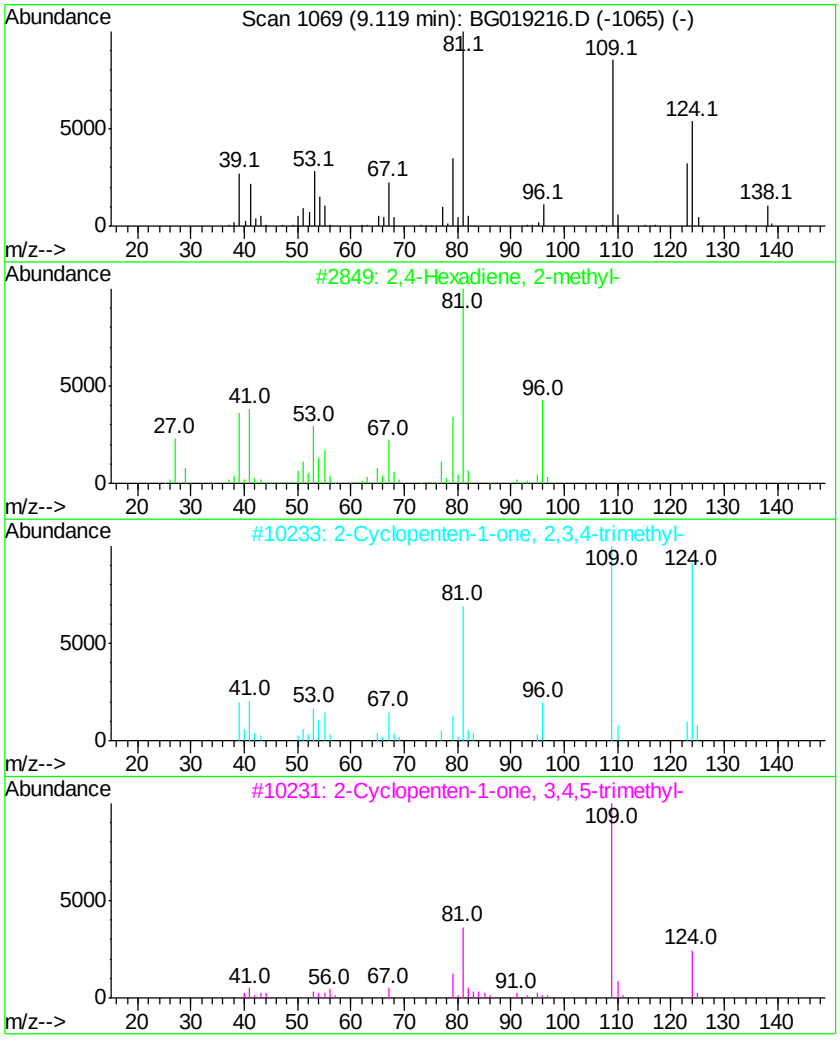
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

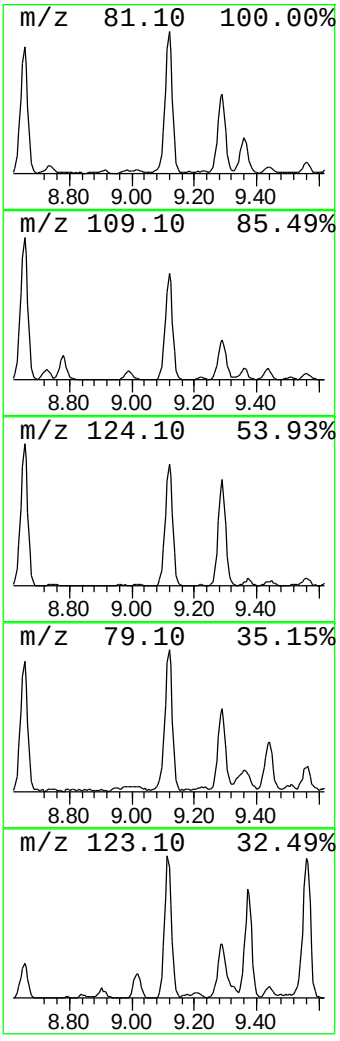
****

Peak Number 26 2,4-Hexadiene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.12	58.13 ng/ul	653562	1,4-Dichlorobenzene-d4	8.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4-Hexadiene, 2-methyl-	96	C7H12	028823-41-8	86
2	2-Cyclopenten-1-one, 2,3,4-trime...	124	C8H12O	028790-86-5	83
3	2-Cyclopenten-1-one, 3,4,5-trime...	124	C8H12O	055683-21-1	81
4	Ethanone, 1-(1-cyclohexen-1-yl)-	124	C8H12O	000932-66-1	72
5	Ethanone, 1-(1-cyclohexen-1-yl)-	124	C8H12O	000932-66-1	68





Data Path : Z:\HPCHEM1\BNA G\DATA\BG101515\
Data File : BG019216.D
Acq On : 15 Oct 2015 21:45
Operator : UM/NP
Sample : G3966-21
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5LJ5

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

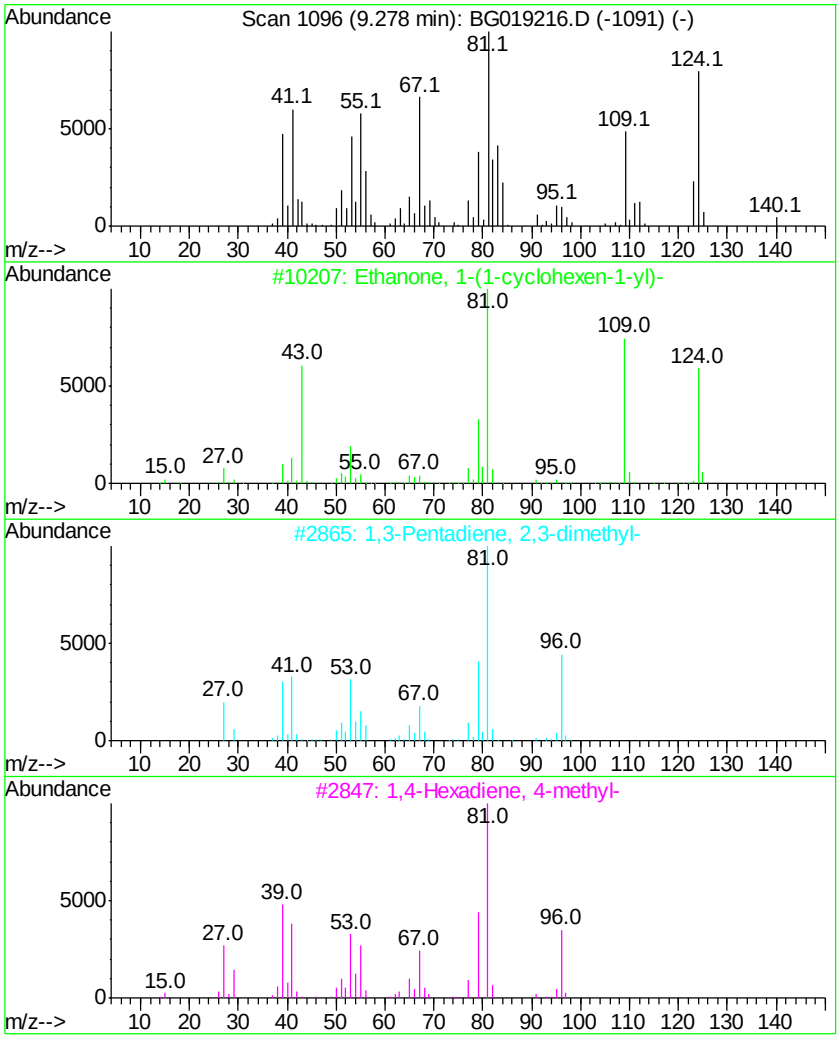
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

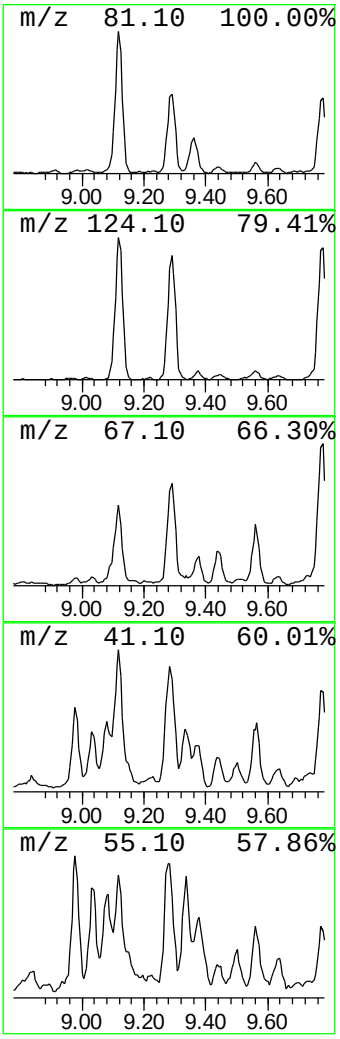
****

Peak Number 27 Ethanone, 1-(1-cyclohexen-1... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.28	46.22 ng/ul	519670	1,4-Dichlorobenzene-d4	8.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanone, 1-(1-cyclohexen-1-yl)-	124	C8H12O	000932-66-1	76
2	1,3-Pentadiene, 2,3-dimethyl-	96	C7H12	001113-56-0	55
3	1,4-Hexadiene, 4-methyl-	96	C7H12	001116-90-1	55
4	1,3-Pentadiene, 2,4-dimethyl-	96	C7H12	001000-86-8	55
5	1,3-Pentadiene, 2,4-dimethyl-	96	C7H12	001000-86-8	49





Data Path : Z:\HPCHEM1\BNA G\DATA\BG101515\
Data File : BG019216.D
Acq On : 15 Oct 2015 21:45
Operator : UM/NP
Sample : G3966-21
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5LJ5

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

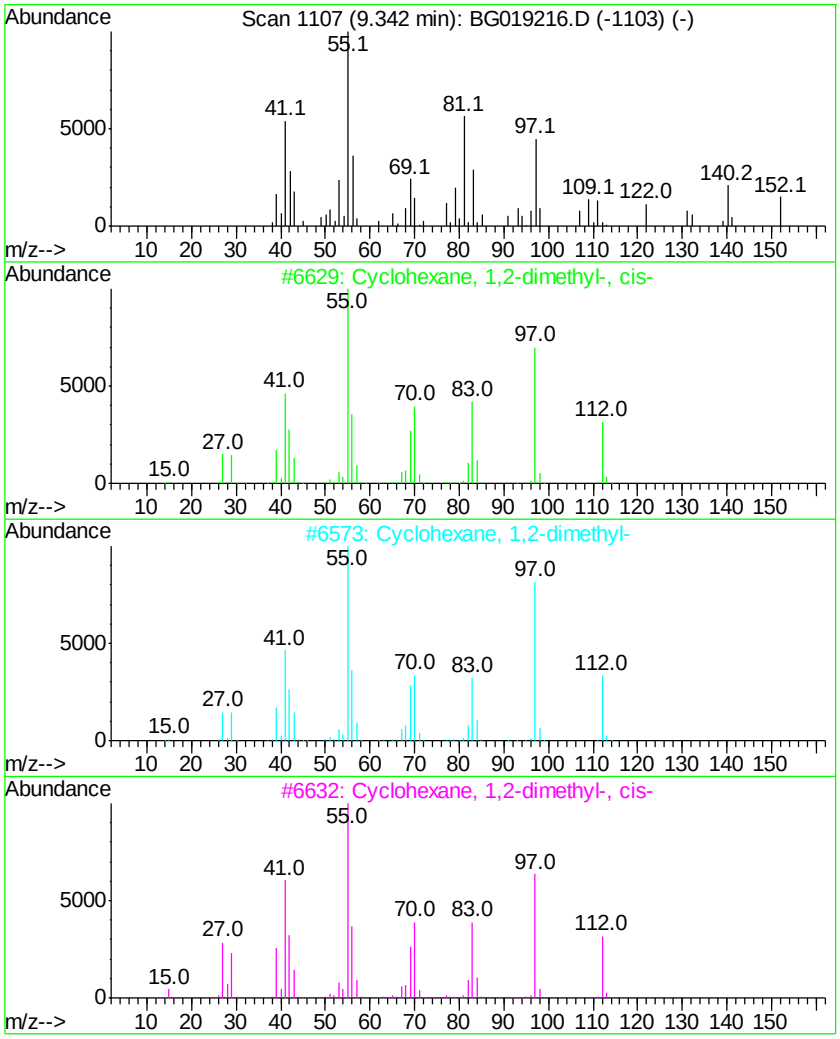
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

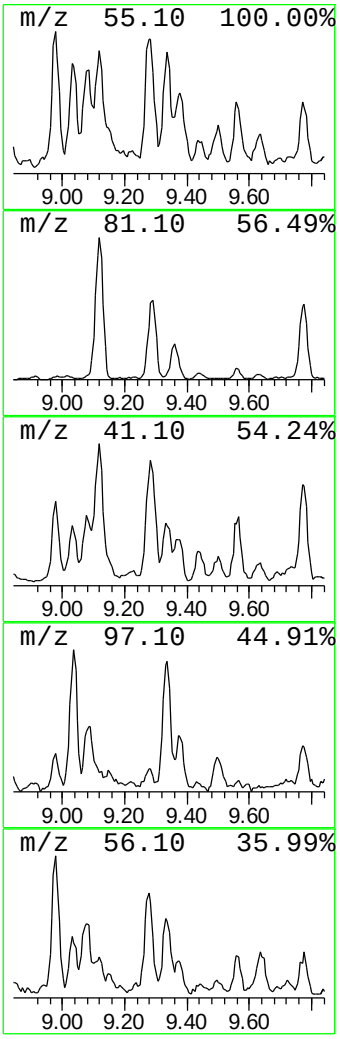
****

Peak Number 28 (DEL) Alkane: Cyclic9.34 Concentration Rank 53

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.34	5.82 ng/ul	65404	1,4-Dichlorobenzene-d4	8.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	64
2	Cyclohexane, 1,2-dimethyl-	112	C8H16	000583-57-3	59
3	Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	59
4	2-Methyl-3-ethyl-2-heptene	140	C10H20	019780-61-1	58
5	4-Propylcyclohexanone	140	C9H16O	040649-36-3	52





Data Path : Z:\HPCHEM1\BNA G\DATA\BG101515\
Data File : BG019216.D
Acq On : 15 Oct 2015 21:45
Operator : UM/NP
Sample : G3966-21
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5LJ5

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

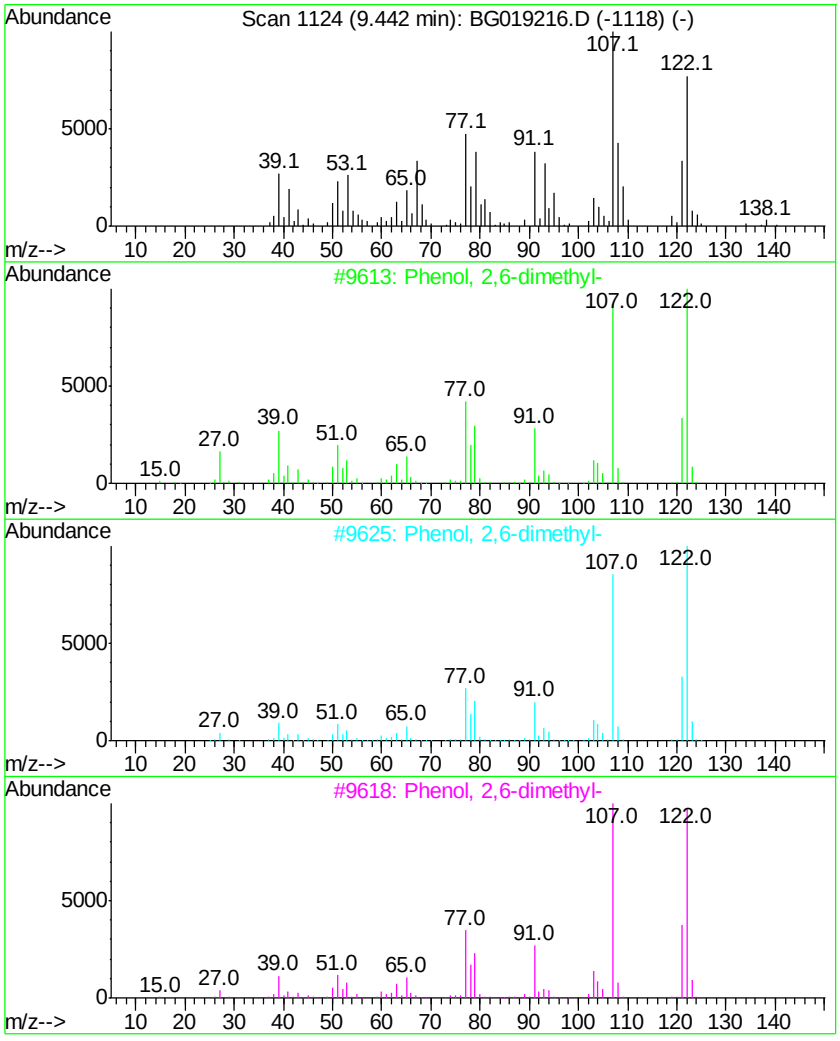
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

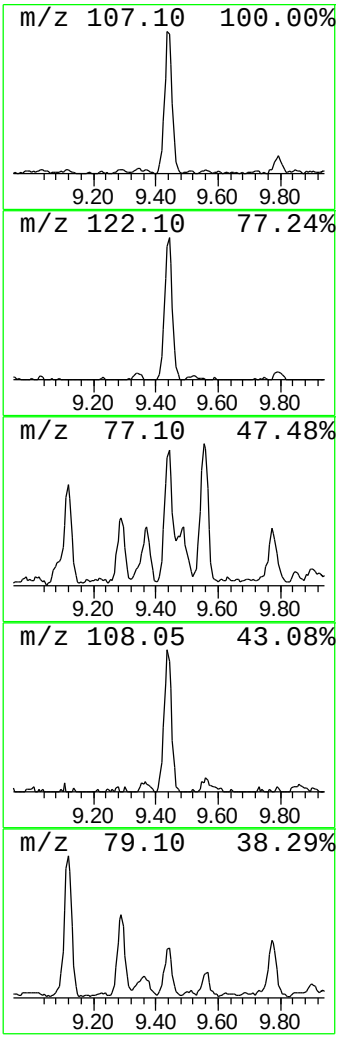
****

Peak Number 29 Phenol, 2,6-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.44	41.37 ng/ul	301184	Naphthalene-d8	10.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 2,6-dimethyl-	122	C8H10O	000576-26-1	96
2	Phenol, 2,6-dimethyl-	122	C8H10O	000576-26-1	95
3	Phenol, 2,6-dimethyl-	122	C8H10O	000576-26-1	95
4	Phenol, 2,5-dimethyl-	122	C8H10O	000095-87-4	93
5	Phenol, 2,5-dimethyl-	122	C8H10O	000095-87-4	90





Data Path : Z:\HPCHEM1\BNA G\DATA\BG101515\
Data File : BG019216.D
Acq On : 15 Oct 2015 21:45
Operator : UM/NP
Sample : G3966-21
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5LJ5

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

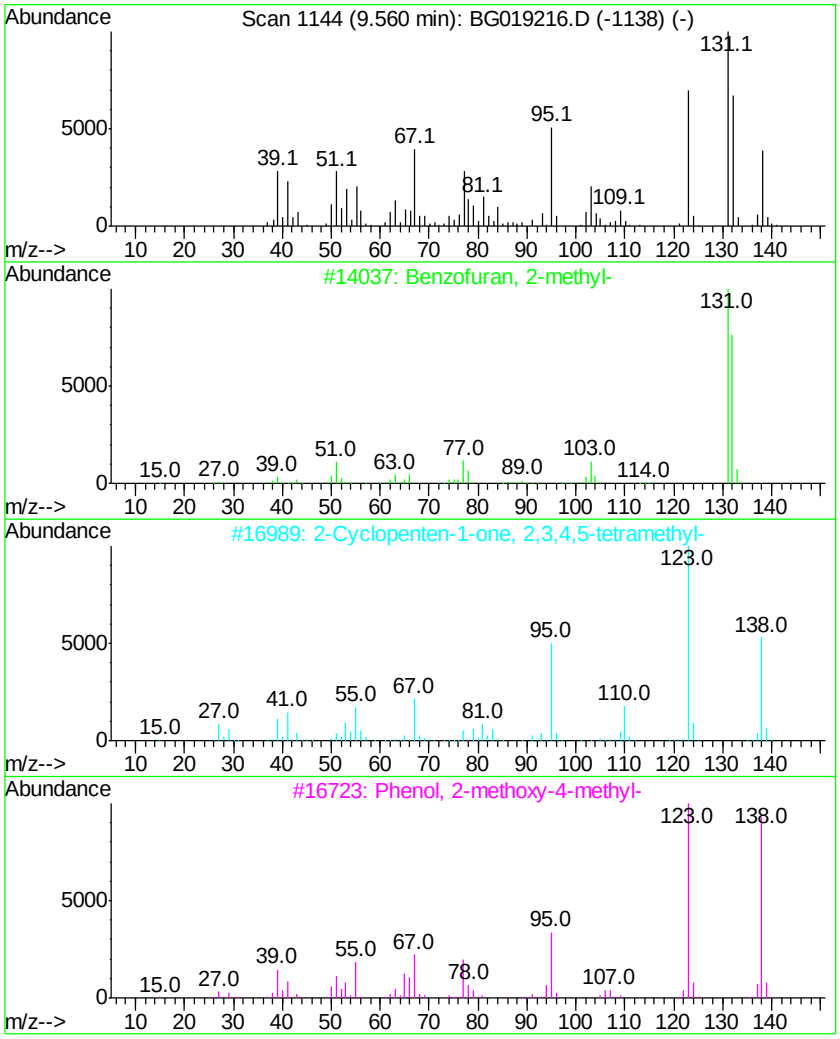
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

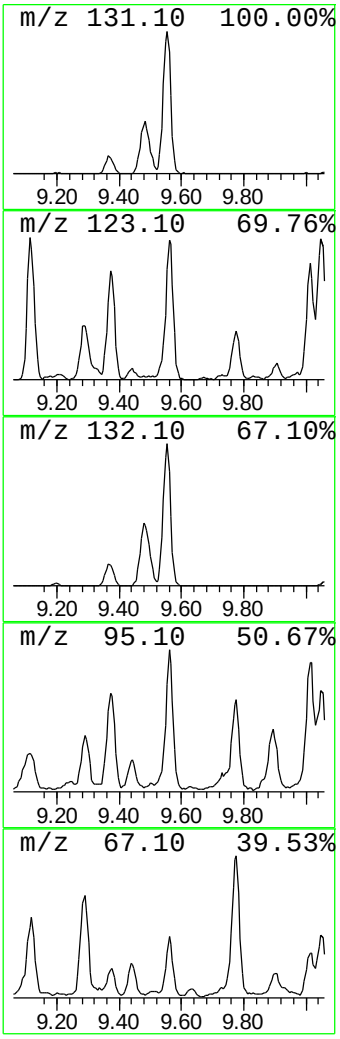
****

Peak Number 30 Benzofuran, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.56	60.78 ng/ul	442514	Naphthalene-d8	10.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	87
2	2-Cyclopenten-1-one, 2,3,4,5-tet...	138	C9H14O	054458-61-6	50
3	Phenol, 2-methoxy-4-methyl-	138	C8H10O2	000093-51-6	43
4	Benzene, 1,4-dimethoxy-	138	C8H10O2	000150-78-7	38
5	2-Propenal, 3-phenyl-	132	C9H8O	000104-55-2	38





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG101515\
Data File : BG019216.D
Acq On : 15 Oct 2015 21:45
Operator : UM/NP
Sample : G3966-21
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5LJ5

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

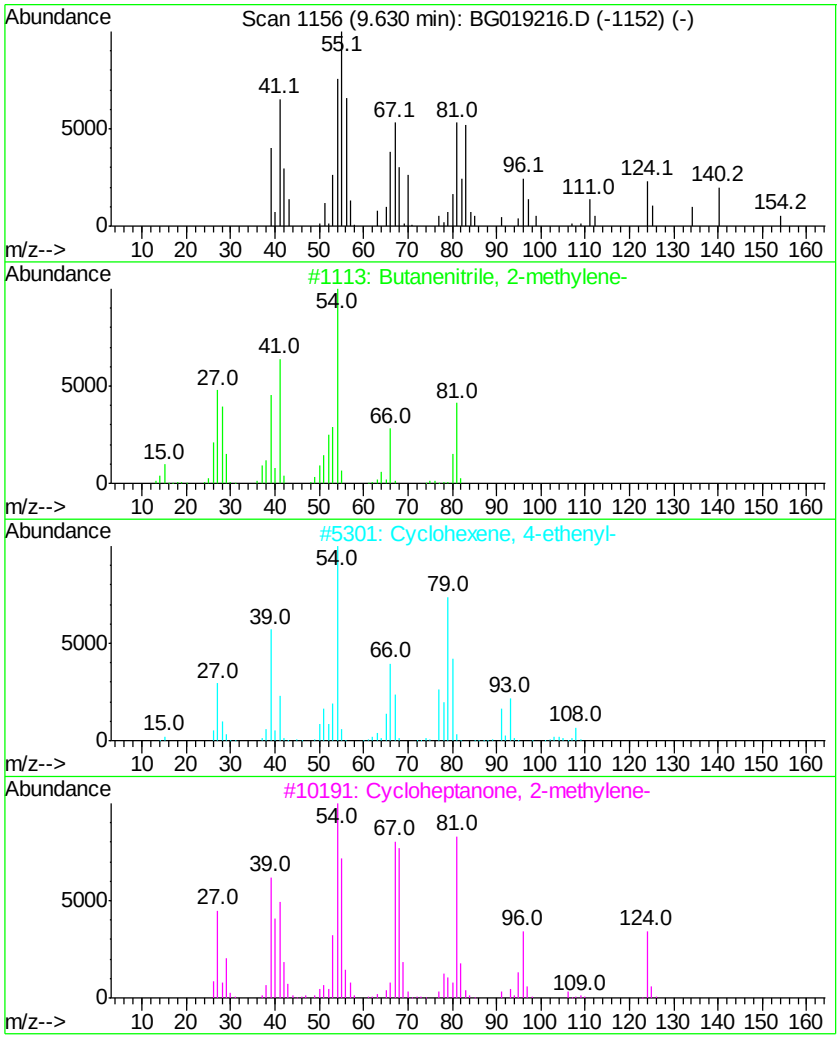
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

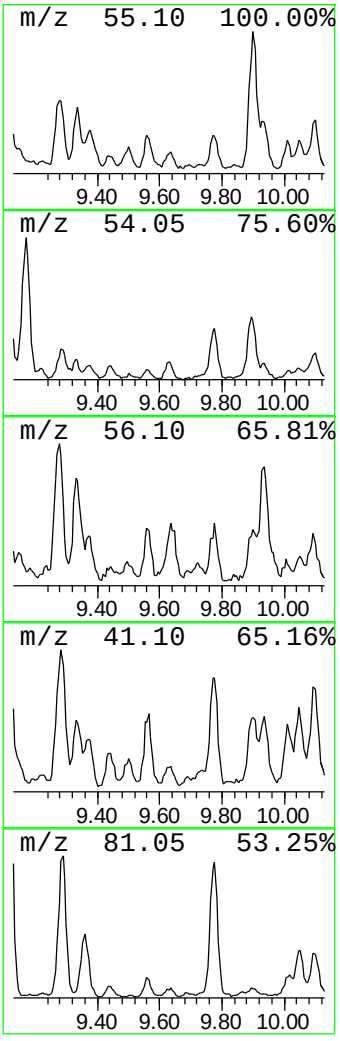
****

Peak Number 31 Butanenitrile, 2-methylene- Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.63	7.20 ng/ul	52402	Naphthalene-d8	10.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanenitrile, 2-methylene-	81	C5H7N	001647-11-6	53
2	Cyclohexene, 4-ethenyl-	108	C8H12	000100-40-3	53
3	Cycloheptanone, 2-methylene-	124	C8H12O	003045-99-6	49
4	1,2-Diazaspiro(2.5)octane	112	C6H12N2	000185-79-5	46
5	trans-1,4-Cyclohexanedicarbonitrile	134	C8H10N2	006550-85-2	43





Data Path : Z:\HPCHEM1\BNA G\DATA\BG101515\
Data File : BG019216.D
Acq On : 15 Oct 2015 21:45
Operator : UM/NP
Sample : G3966-21
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5LJ5

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

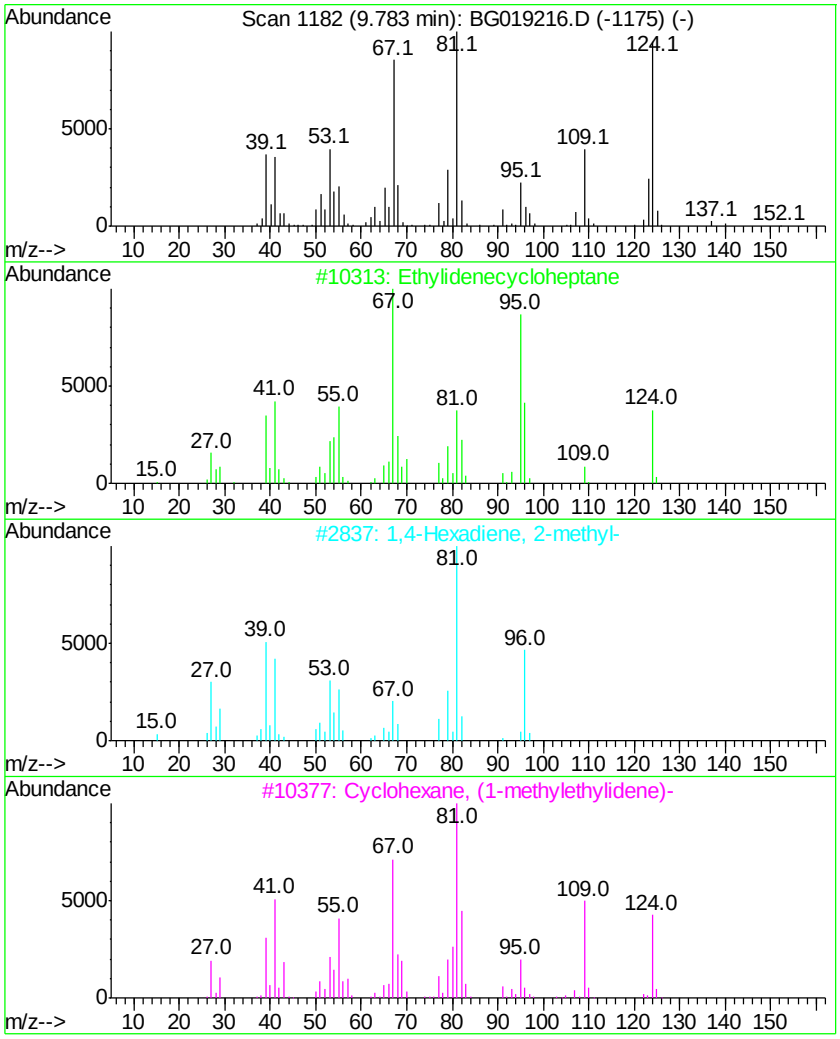
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

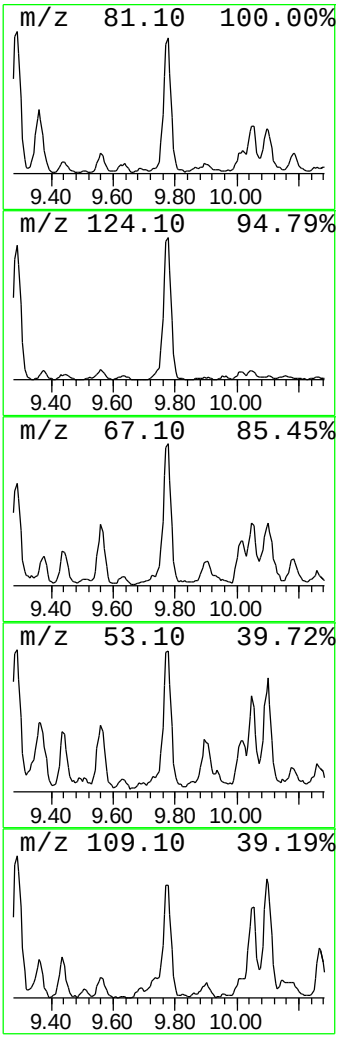
****

Peak Number 32 Ethylidenecycloheptane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.78	59.45 ng/ul	432842	Naphthalene-d8	10.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethylidenecycloheptane	124	C9H16	010494-87-8	53
2	1,4-Hexadiene, 2-methyl-	96	C7H12	001119-14-8	49
3	Cyclohexane, (1-methylethylidene)-	124	C9H16	005749-72-4	47
4	2,4-Heptadienal, (E,E)-	110	C7H10O	004313-03-5	46
5	3-Heptyne	96	C7H12	002586-89-2	46





Data Path : Z:\HPCHEM1\BNA G\DATA\BG101515\
Data File : BG019216.D
Acq On : 15 Oct 2015 21:45
Operator : UM/NP
Sample : G3966-21
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5LJ5

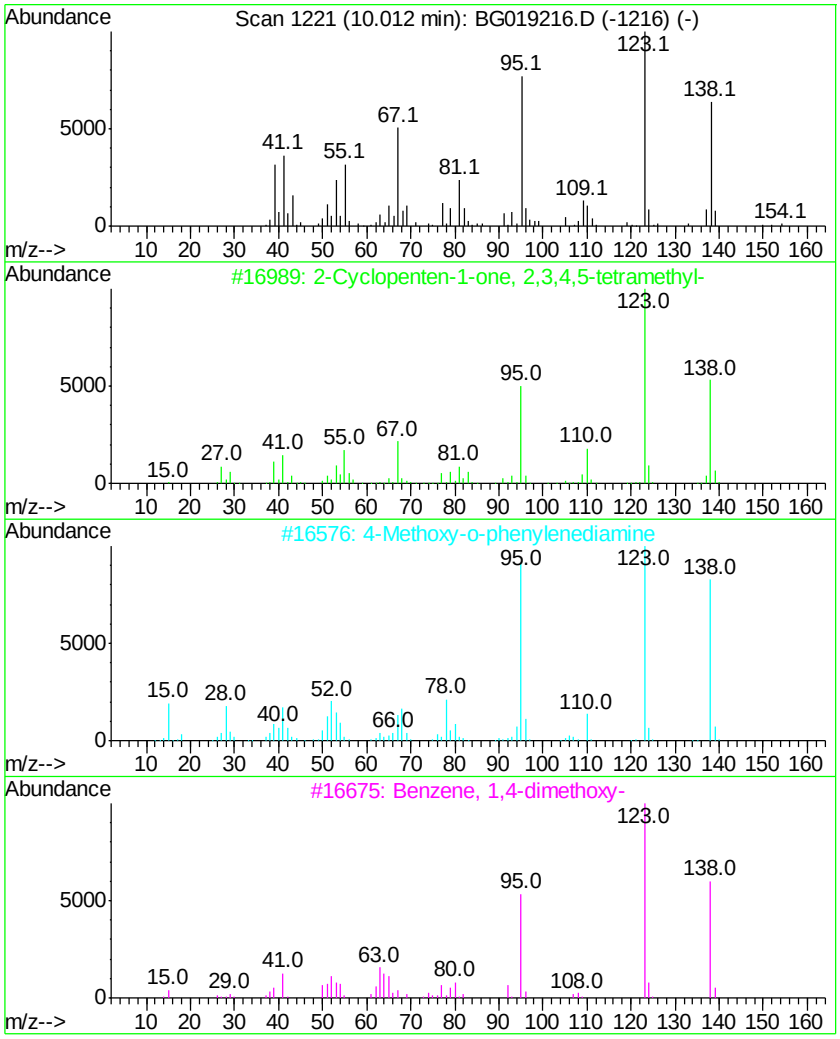
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG101515.M
Quant Title : SVOA CALIBRATION

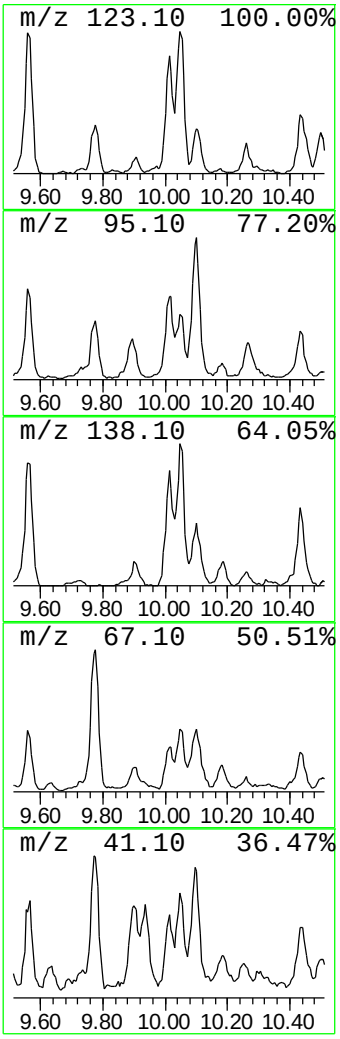
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 33 2-Cyclopenten-1-one, 2,3,4,... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.01	27.70 ng/ul	201635	Naphthalene-d8	10.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Cyclopenten-1-one, 2,3,4,5-tet...	138	C9H14O	054458-61-6	91
2	4-Methoxy-o-phenylenediamine	138	C7H10N2O	000102-51-2	76
3	Benzene, 1,4-dimethoxy-	138	C8H10O2	000150-78-7	58
4	2-Cyclopenten-1-one, 2,3,4,5-tet...	138	C9H14O	054458-61-6	53
5	1,4-Pentadiene, 2,3,3-trimethyl-	110	C8H14	000756-02-5	50





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG101515\
Data File : BG019216.D
Acq On : 15 Oct 2015 21:45
Operator : UM/NP
Sample : G3966-21
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5LJ5

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

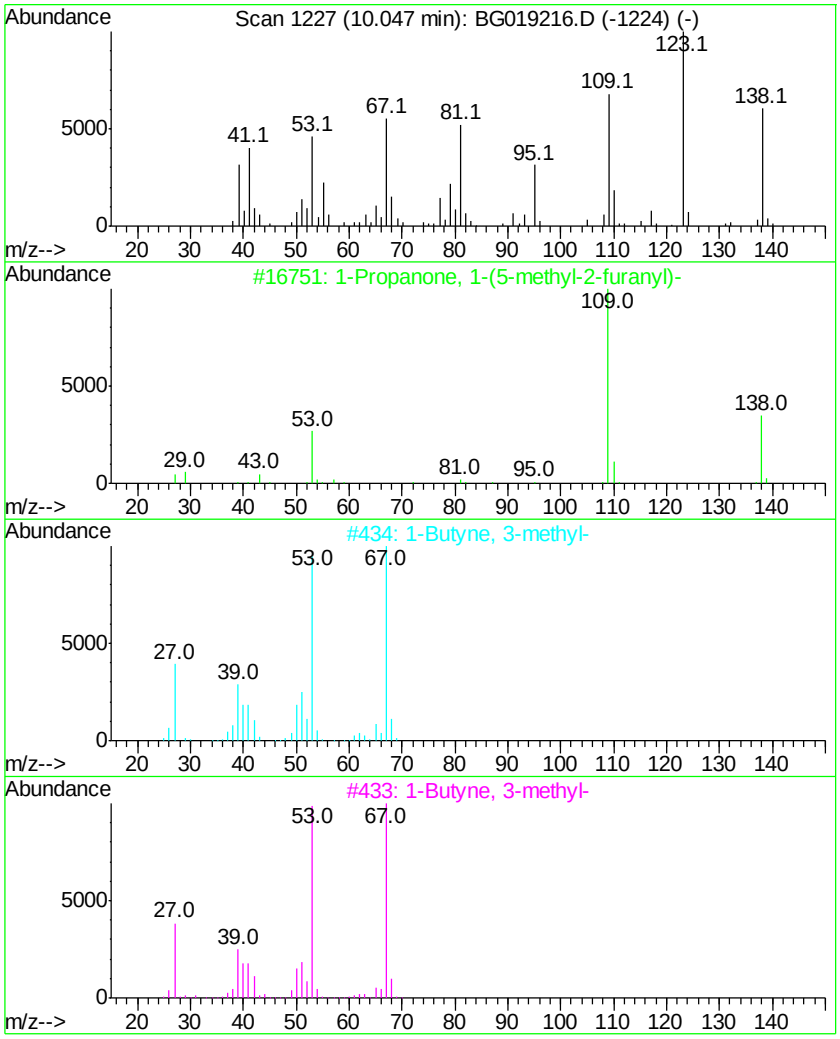
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

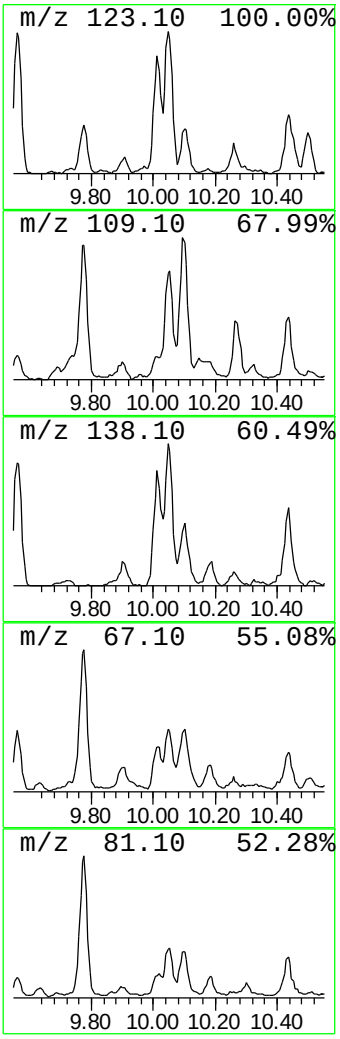
****

Peak Number 34 unknown-04 Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.05	36.18 ng/ul	263398	Naphthalene-d8	10.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Propanone, 1-(5-methyl-2-furan...	138	C8H10O2	010599-69-6	38
2	1-Butyne, 3-methyl-	68	C5H8	000598-23-2	35
3	1-Butyne, 3-methyl-	68	C5H8	000598-23-2	35
4	1-Butyne, 3-methyl-	68	C5H8	000598-23-2	35
5	1-(2,4-Dimethyl-furan-3-yl)-etha...	138	C8H10O2	032933-07-6	27





Data Path : Z:\HPCHEM1\BNA G\DATA\BG101515\
Data File : BG019216.D
Acq On : 15 Oct 2015 21:45
Operator : UM/NP
Sample : G3966-21
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5LJ5

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

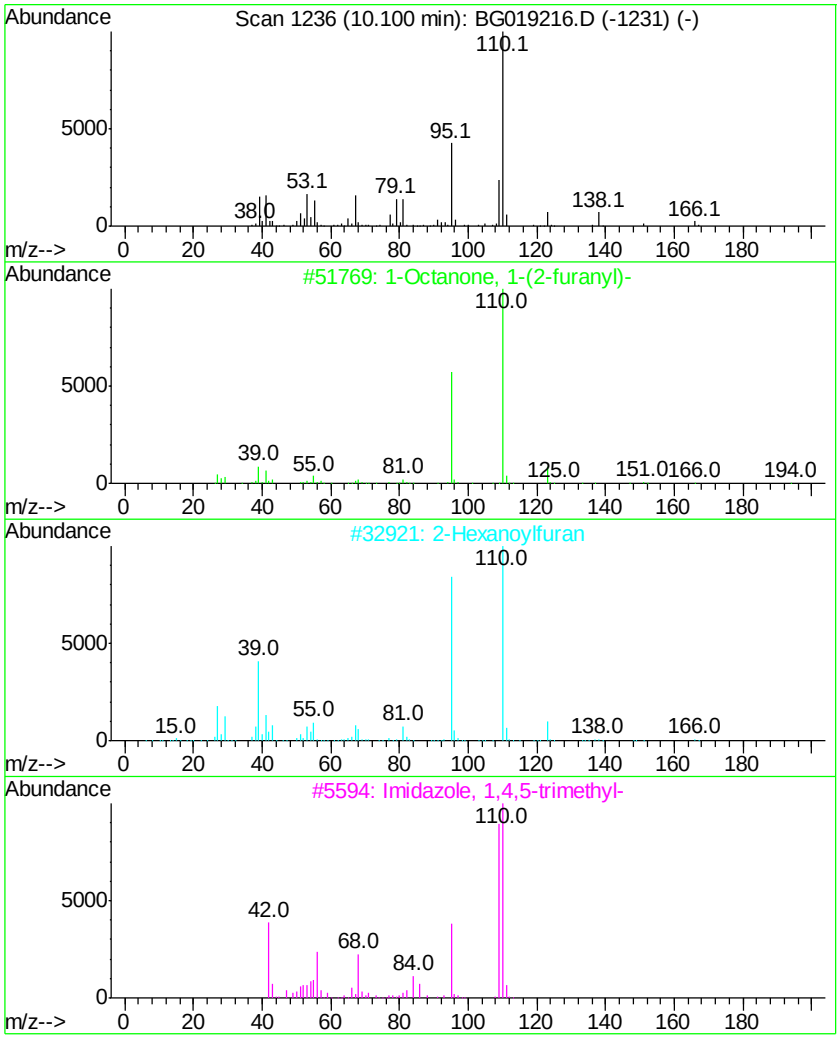
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

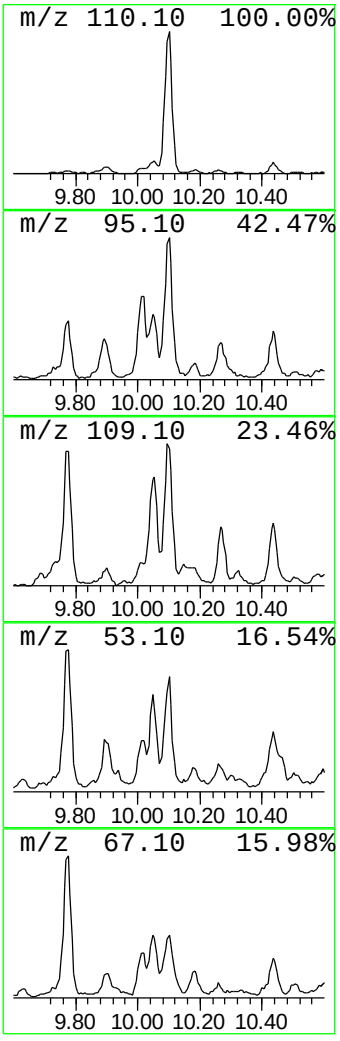
****

Peak Number 35 1-Octanone, 1-(2-furanyl)- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.10	55.21 ng/ul	401990	Naphthalene-d8	10.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Octanone, 1-(2-furanyl)-	194	C12H18O2	005456-77-9	53
2	2-Hexanoylfuran	166	C10H14O2	014360-50-0	53
3	Imidazole, 1,4,5-trimethyl-	110	C6H10N2	020185-22-2	52
4	1H-Pyrazole, 1,3,5-trimethyl-	110	C6H10N2	001072-91-9	47
5	1,2-Diethoxybenzene	166	C10H14O2	002050-46-6	47





Data Path : Z:\HPCHEM1\BNA G\DATA\BG101515\
Data File : BG019216.D
Acq On : 15 Oct 2015 21:45
Operator : UM/NP
Sample : G3966-21
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5LJ5

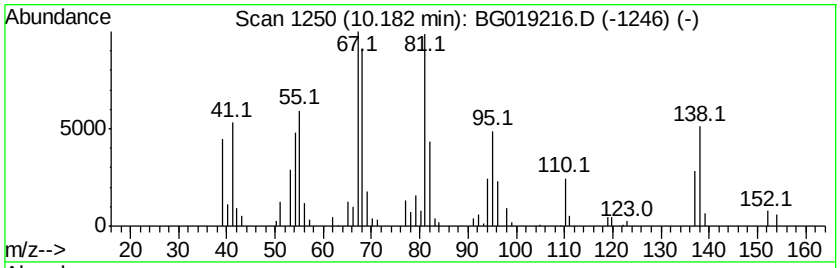
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG101515.M
Quant Title : SVOA CALIBRATION

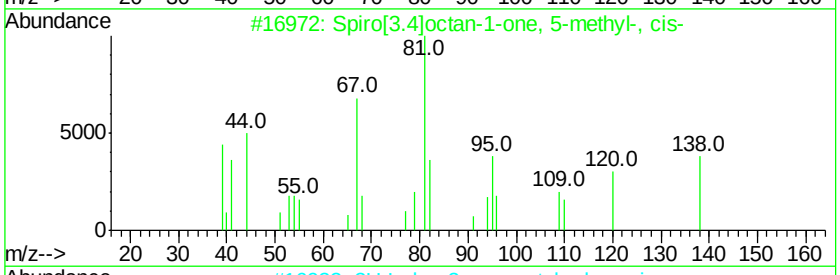
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

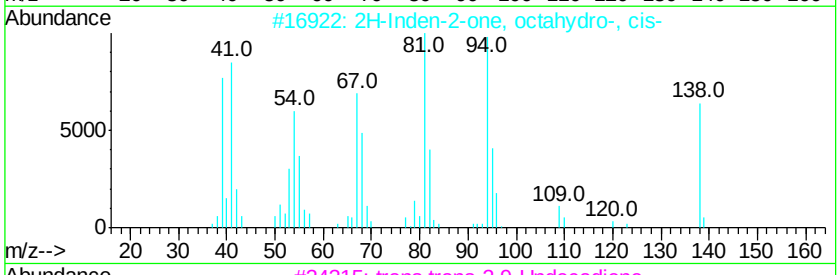
****
Peak Number 36 Spiro[3.4]octan-1-one, 5-me... Concentration Rank 50

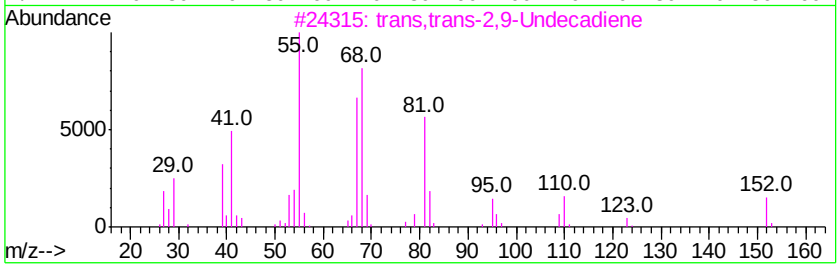
R.T.	EstConc	Area	Relative to ISTD	R.T.
10.18	6.95 ng/ul	50572	Naphthalene-d8	10.82

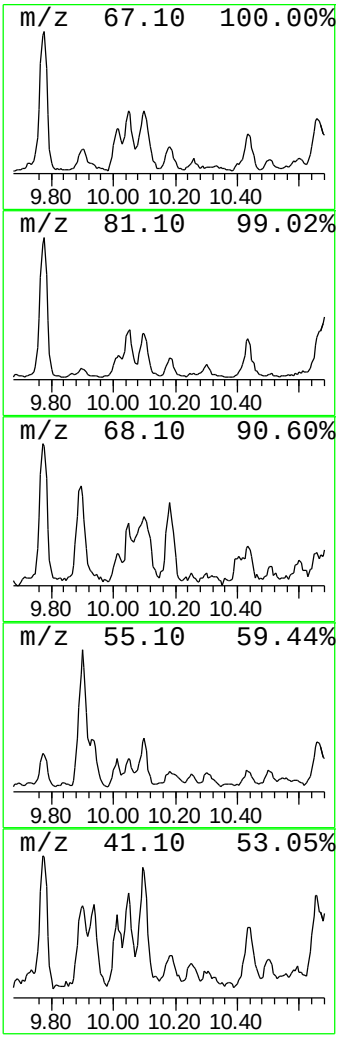
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Spiro[3.4]octan-1-one, 5-methyl-...	138	C9H14O	065147-55-9	76
2	2H-Inden-2-one, octahydro-, cis-	138	C9H14O	005689-04-3	64
3	trans,trans-2,9-Undecadiene	152	C11H20	022057-21-2	58
4	Cyclohexane, ethenyl-	110	C8H14	000695-12-5	55
5	Naphthalene, decahydro-, cis-	138	C10H18	000493-01-6	52











Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG101515\
Data File : BG019216.D
Acq On : 15 Oct 2015 21:45
Operator : UM/NP
Sample : G3966-21
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5LJ5

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

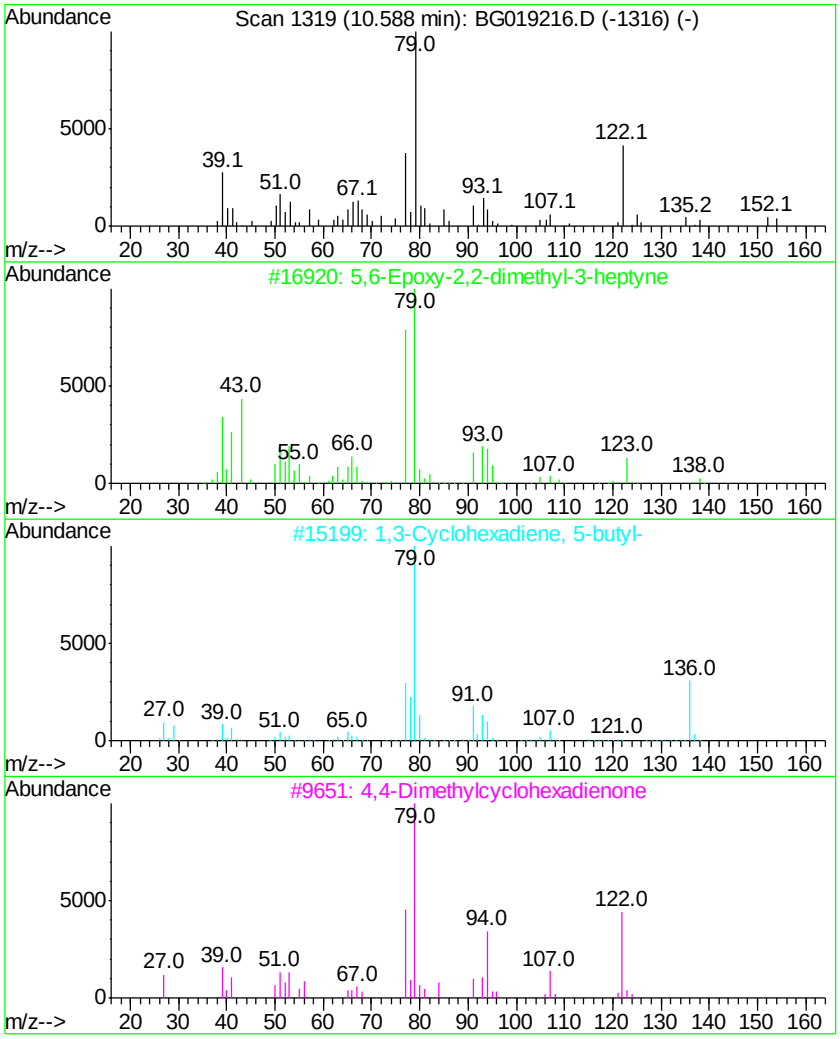
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

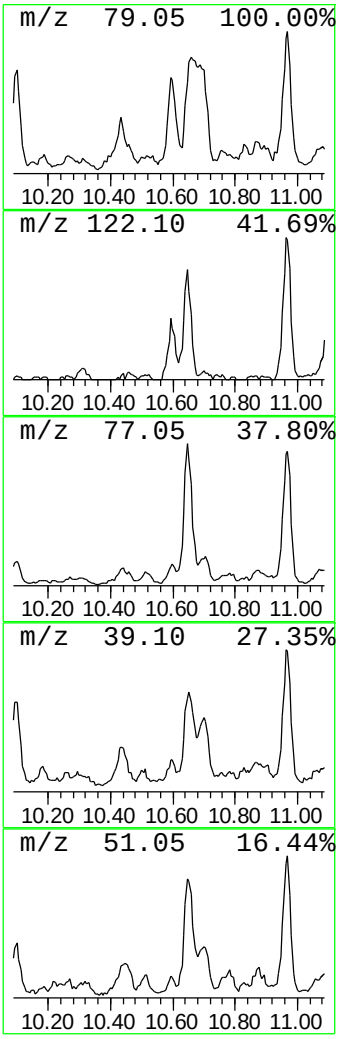
****

Peak Number 37 5,6-Epoxy-2,2-dimethyl-3-he... Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.59	8.62 ng/ul	62731	Naphthalene-d8	10.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,6-Epoxy-2,2-dimethyl-3-heptyne	138	C9H14O	212687-69-9	78
2	1,3-Cyclohexadiene, 5-butyl-	136	C10H16	030168-57-1	52
3	4,4-Dimethylcyclohexadienone	122	C8H10O	001073-14-9	52
4	Cyclopentene, 3-ethenyl-	94	C7H10	026727-45-7	52
5	Cyclopentane, 1,3-bis(methylene)-	94	C7H10	059219-48-6	52





Data Path : Z:\HPCHEM1\BNA G\DATA\BG101515\
Data File : BG019216.D
Acq On : 15 Oct 2015 21:45
Operator : UM/NP
Sample : G3966-21
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5LJ5

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

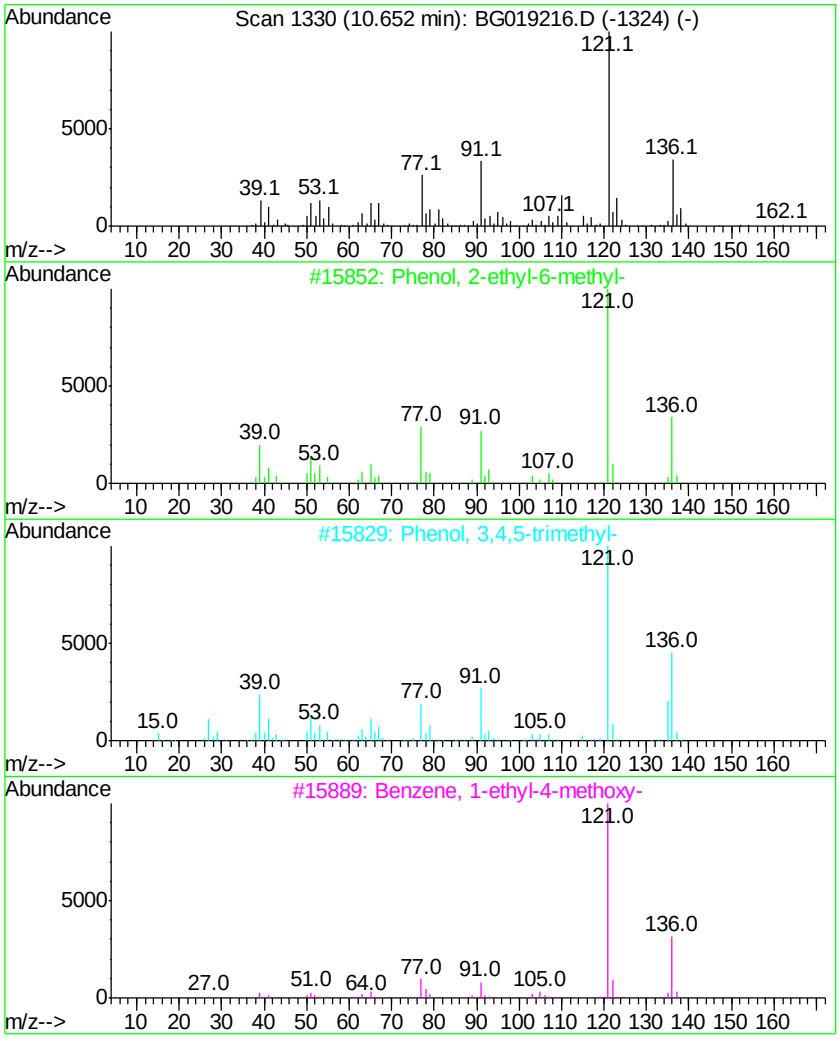
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

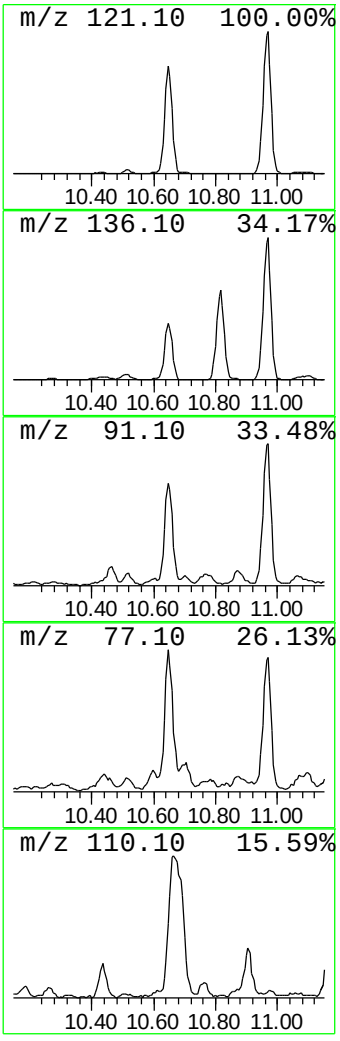
****

Peak Number 38 Phenol, 2-ethyl-6-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.65	102.39 ng/ul	745426	Naphthalene-d8	10.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 2-ethyl-6-methyl-	136	C9H12O	001687-64-5	95
2	Phenol, 3,4,5-trimethyl-	136	C9H12O	000527-54-8	70
3	Benzene, 1-ethyl-4-methoxy-	136	C9H12O	001515-95-3	68
4	Phenol, 2,4,5-trimethyl-	136	C9H12O	000496-78-6	64
5	Phenol, 3-(1-methylethyl)-	136	C9H12O	000618-45-1	64





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG101515\
Data File : BG019216.D
Acq On : 15 Oct 2015 21:45
Operator : UM/NP
Sample : G3966-21
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5LJ5

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

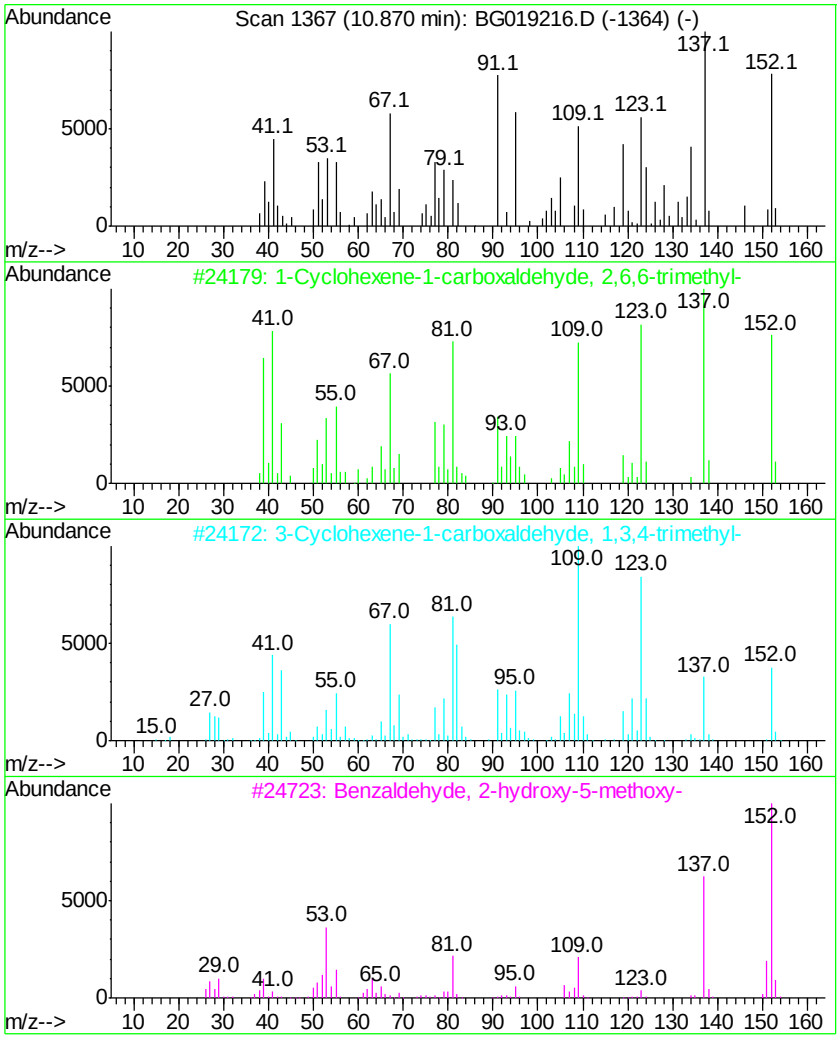
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

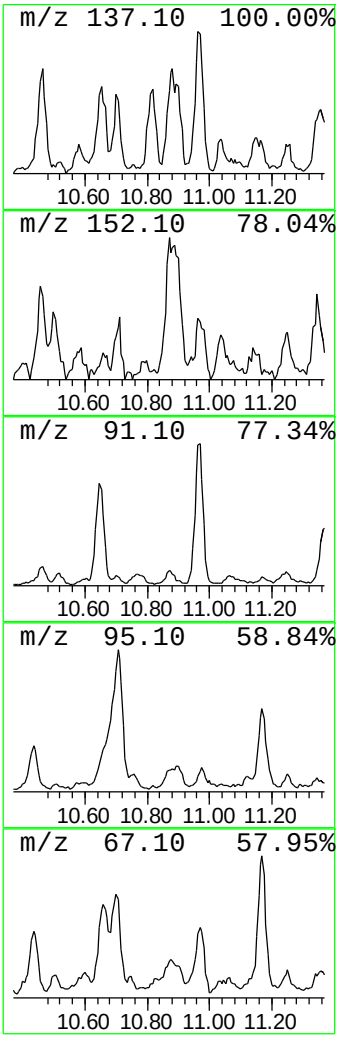
****

Peak Number 39 1-Cyclohexene-1-carboxaldeh... Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.87	9.31 ng/ul	67812	Naphthalene-d8	10.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Cyclohexene-1-carboxaldehyde, ...	152	C10H16O	000432-25-7	52
2	3-Cyclohexene-1-carboxaldehyde, ...	152	C10H16O	040702-26-9	46
3	Benzaldehyde, 2-hydroxy-5-methoxy-	152	C8H8O3	000672-13-9	46
4	Benzaldehyde, 2-hydroxy-5-methoxy-	152	C8H8O3	000672-13-9	43
5	4-Hydroxy-2,4,5-trimethyl-2,5-cy...	152	C9H12O2	014353-72-1	43





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG101515\
Data File : BG019216.D
Acq On : 15 Oct 2015 21:45
Operator : UM/NP
Sample : G3966-21
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5LJ5

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	15.1	ng/ul	169411	1	8.01	224845	20.0
Cyclopentanone, 2...	6.03	7.5	ng/ul	84549	1	8.01	224845	20.0
(DEL) Alkane: Cyc...	6.65	5.6	ng/ul	63118	1	8.01	224845	20.0
1,3-Cyclopentaned...	6.72	2.3	ng/ul	25415	1	8.01	224845	20.0
unknown-01	6.75	3.3	ng/ul	37474	1	8.01	224845	20.0
Cycloheptanone	6.92	3.3	ng/ul	37294	1	8.01	224845	20.0
2,5-Dimethylcyclo...	7.03	5.0	ng/ul	56167	1	8.01	224845	20.0
2-Acetyl-5-methyl...	7.24	3.5	ng/ul	38818	1	8.01	224845	20.0
(DEL) Alkane: Cyc...	7.40	5.4	ng/ul	60418	1	8.01	224845	20.0
Benzene, 1,2,3-tr...	7.66	4.6	ng/ul	51798	1	8.01	224845	20.0
(DEL) Alkane: Cyc...	7.74	8.1	ng/ul	91307	1	8.01	224845	20.0
unknown-02	7.78	2.9	ng/ul	32735	1	8.01	224845	20.0
(DEL) Alkane: Cyc...	7.83	18.2	ng/ul	204668	1	8.01	224845	20.0
3,4-Dimethyl cycl...	8.07	3.8	ng/ul	43157	1	8.01	224845	20.0
(DEL) Alkane: Cyc...	8.18	4.1	ng/ul	45684	1	8.01	224845	20.0
Cyclopentanone, 2...	8.31	11.6	ng/ul	130311	1	8.01	224845	20.0
(DEL) Alkane: Cyc...	8.40	12.5	ng/ul	140527	1	8.01	224845	20.0
unknown-03	8.48	4.2	ng/ul	47051	1	8.01	224845	20.0
Benzene, 1-propynyl-	8.54	6.8	ng/ul	76754	1	8.01	224845	20.0
Cyclopent-2-ene-1...	8.65	61.8	ng/ul	694593	1	8.01	224845	20.0
Cyclohexanone, 2-...	8.98	16.3	ng/ul	183625	1	8.01	224845	20.0
(DEL) Alkane: Cyc...	9.03	10.1	ng/ul	112976	1	8.01	224845	20.0
Benzofuran, 2,3-d...	9.08	27.4	ng/ul	308117	1	8.01	224845	20.0
2,4-Hexadiene, 2-...	9.12	58.1	ng/ul	653562	1	8.01	224845	20.0
Ethanone, 1-(1-cy...	9.28	46.2	ng/ul	519670	1	8.01	224845	20.0
(DEL) Alkane: Cyc...	9.34	5.8	ng/ul	65404	1	8.01	224845	20.0
Phenol, 2,6-dimet...	9.44	41.4	ng/ul	301184	2	10.82	145610	20.0
Benzofuran, 2-met...	9.56	60.8	ng/ul	442514	2	10.82	145610	20.0
Butanenitrile, 2-...	9.63	7.2	ng/ul	52402	2	10.82	145610	20.0
Ethylidenecyclohe...	9.78	59.5	ng/ul	432842	2	10.82	145610	20.0
2-Cyclopenten-1-o...	10.01	27.7	ng/ul	201635	2	10.82	145610	20.0
unknown-04	10.05	36.2	ng/ul	263398	2	10.82	145610	20.0
1-Octanone, 1-(2-...	10.10	55.2	ng/ul	401990	2	10.82	145610	20.0
Spiro[3.4]octan-1...	10.18	7.0	ng/ul	50572	2	10.82	145610	20.0
5,6-Epoxy-2,2-dim...	10.59	8.6	ng/ul	62731	2	10.82	145610	20.0
Phenol, 2-ethyl-6...	10.65	102.4	ng/ul	745426	2	10.82	145610	20.0
1-Cyclohexene-1-c...	10.87	9.3	ng/ul	67812	2	10.82	145610	20.0