LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG102815\
Data File : BG019401.D
Acq On : 29 Oct 2015 4:03
Operator : UM/NP
Sample : G4120-16
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5LS4

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-BG102815.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	5.337	416	425	438	rBV	644160	1105504	3.77%	0.448%
2	6.142	556	562	566	rVV	394004	713063	2.43%	0.289%
3	6.207	566	573	576	rVV2	241091	634570	2.16%	0.257%
4	6.918	683	694	706	rVB2	785341	1731164	5.91%	0.701%
5	7.247	741	750	761	rVB2	441117	979638	3.34%	0.397%
6	7.394	771	775	781	rVB	434509	741287	2.53%	0.300%
7	7.599	802	810	816	rVV2	386293	735438	2.51%	0.298%
8	7.699	820	827	832	rVV3	380983	941517	3.21%	0.381%
9	7.805	839	845	849	rVV2	293560	582144	1.99%	0.236%
10	7.934	859	867	872	rVV2	813311	1499861	5.12%	0.608%
11	8.017	872	881	889	rVB6	220155	653109	2.23%	0.265%
12	8.205	904	913	921	rBV4	233203	591552	2.02%	0.240%
13	8.557	957	973	985	rVV2	1298012	4728223	16.13%	1.915%
14	8.669	985	992	1000	rVB	2248351	4057622	13.84%	1.643%
15	8.751	1000	1006	1014	rVB2	306748	592179	2.02%	0.240%
16	8.927	1014	1036	1042	rBV8	561136	2511569	8.57%	1.017%
17	9.039	1042	1055	1065	rVB	6194500	16728583	57.06%	6.776%
18	9.215	1073	1085	1089	rBV7	284087	958056	3.27%	0.388%
19	9.297	1094	1099	1104	rVV3	327426	880008	3.00%	0.356%
20	9.397	1108	1116	1126	rVV5	967743	2859236	9.75%	1.158%
21	9.568	1138	1145	1154	rVV3	984139	2748421	9.38%	1.113%
22	9.662	1154	1161	1174	rVV2	2562721	5974802	20.38%	2.420%
23	9.768	1174	1179	1184	rVV	836270	1523153	5.20%	0.617%
24	9.820	1184	1188	1200	rVB5	296887	743483	2.54%	0.301%
25	10.003	1207	1219	1225	rVB	1206404	2342474	7.99%	0.949%
26	10.102	1225	1236	1245	rBV5	1077619	3260853	11.12%	1.321%
27	10.238	1249	1259	1261	rVV	3789996	9903234	33.78%	4.011%
28	10.267	1261	1264	1270	rVV2	3899190	5952615	20.31%	2.411%
29	10.355	1271	1279	1289	rVV7	270836	1064489	3.63%	0.431%
30	10.537	1293	1310	1314	rVV2	6844073	25606373	87.35%	10.372%
31	10.578	1315	1317	1322	rVV	6206654	6902751	23.55%	2.796%
32	10.696	1327	1337	1346	rBV4	1518196	4520167	15.42%	1.831%
33	10.872	1361	1367	1371	rBV	905740	1592587	5.43%	0.645%
34	10.943	1371	1379	1389	rVV	2210275	5327164	18.17%	2.158%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG102815\
Data File : BG019401.D
Acq On : 29 Oct 2015 4:03
Operator : UM/NP
Sample : G4120-16
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5LS4

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-BG102815.M
Title : SVOA CALIBRATION

35	11.031	1389	1394	1400	rVV4	299336	762080	2.60%	0.309%
36	11.101	1400	1406	1412	rVV	1308632	2461197	8.40%	0.997%
37	11.195	1416	1422	1430	rVB	1594519	3025980	10.32%	1.226%
38	11.319	1439	1443	1448	rVB	382703	654793	2.23%	0.265%
39	11.413	1453	1459	1463	rBV	1105927	2150366	7.34%	0.871%
40	11.448	1463	1465	1469	rVV2	702384	996195	3.40%	0.403%
41	11.501	1469	1474	1482	rVB	732971	1494205	5.10%	0.605%
42	11.595	1482	1490	1494	rBV	2017164	3953260	13.49%	1.601%
43	11.642	1494	1498	1500	rVV	1270368	2174529	7.42%	0.881%
44	11.665	1500	1502	1508	rVV	1167750	1663034	5.67%	0.674%
45	11.918	1531	1545	1554	rBV3	10211571	29315546	100.00%	11.874%
46	12.000	1555	1559	1564	rBV5	241265	494591	1.69%	0.200%
47	12.077	1564	1572	1577	rBV	1481929	2802075	9.56%	1.135%
48	12.135	1577	1582	1586	rVB	2462744	3721758	12.70%	1.507%
49	12.182	1586	1590	1595	rBV2	659652	1012468	3.45%	0.410%
50	12.235	1596	1599	1605	rVB2	393145	651848	2.22%	0.264%
51	12.300	1605	1610	1614	rBV2	329201	528176	1.80%	0.214%
52	12.447	1629	1635	1645	rVB2	1440125	2728434	9.31%	1.105%
53	12.553	1647	1653	1657	rBV	566536	1140627	3.89%	0.462%
54	12.741	1679	1685	1688	rBV2	1314749	2677772	9.13%	1.085%
55	12.823	1693	1699	1703	rVV2	517607	1052966	3.59%	0.426%
56	12.911	1710	1714	1718	rVV3	470569	748199	2.55%	0.303%
57	12.964	1718	1723	1728	rVB6	419795	936434	3.19%	0.379%
58	13.017	1728	1732	1735	rBV	634657	947605	3.23%	0.384%
59	13.064	1735	1740	1748	rVB2	1877547	3495148	11.92%	1.416%
60	13.216	1760	1766	1769	rBV3	1287556	2051591	7.00%	0.831%
61	13.269	1769	1775	1781	rVB5	998244	2722168	9.29%	1.103%
62	13.334	1781	1786	1792	rBV2	806233	1397843	4.77%	0.566%
63	13.451	1801	1806	1813	rVB2	447974	830558	2.83%	0.336%
64	13.563	1813	1825	1828	rBV5	647664	1618271	5.52%	0.655%
65	13.598	1828	1831	1835	rVV3	435814	712832	2.43%	0.289%
66	13.657	1836	1841	1846	rVB4	668159	1165935	3.98%	0.472%
67	13.722	1847	1852	1857	rBV6	229275	598434	2.04%	0.242%
68	13.827	1865	1870	1879	rVB5	707613	1311316	4.47%	0.531%
69	13.992	1891	1898	1901	rVV	1608522	2916013	9.95%	1.181%
70	14.033	1902	1905	1911	rVV3	1110309	2108148	7.19%	0.854%
71	14.086	1911	1914	1916	rVV2	375738	502343	1.71%	0.203%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG102815\
Data File : BG019401.D
Acq On : 29 Oct 2015 4:03
Operator : UM/NP
Sample : G4120-16
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5LS4

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-BG102815.M
Title : SVOA CALIBRATION

72	14.121	1916	1920	1926	rVV5	653372	1342738	4.58%	0.544%
73	14.180	1927	1930	1932	rVV2	457624	713539	2.43%	0.289%
74	14.239	1933	1940	1950	rVB3	977679	2993617	10.21%	1.213%
75	14.339	1952	1957	1968	rBV6	1237545	2732802	9.32%	1.107%
76	14.433	1968	1973	1976	rVV3	488736	925580	3.16%	0.375%
77	14.474	1976	1980	1986	rVV6	687247	1335935	4.56%	0.541%
78	14.538	1986	1991	2004	rVB	698931	1757674	6.00%	0.712%
79	14.844	2037	2043	2046	rBV3	1047049	1991524	6.79%	0.807%
80	14.920	2052	2056	2059	rVB	608881	761891	2.60%	0.309%
81	15.008	2066	2071	2074	rBV3	566031	1056620	3.60%	0.428%
82	15.144	2089	2094	2098	rBV2	634371	1015837	3.47%	0.411%
83	15.220	2103	2107	2111	rVB3	476406	643336	2.19%	0.261%
84	15.279	2112	2117	2121	rBV2	544151	1014867	3.46%	0.411%
85	15.766	2196	2200	2205	rBV3	383818	673900	2.30%	0.273%
86	15.831	2206	2211	2215	rVB	804526	1236787	4.22%	0.501%
87	15.943	2226	2230	2237	rVB5	429373	829718	2.83%	0.336%
88	16.084	2250	2254	2258	rBV3	361982	629294	2.15%	0.255%
89	16.207	2270	2275	2280	rVB	709140	1059981	3.62%	0.429%
90	16.266	2280	2285	2288	rBV	538048	853468	2.91%	0.346%
91	16.654	2347	2351	2355	rBV2	370240	643202	2.19%	0.261%
92	17.059	2414	2420	2430	rVB7	331158	941884	3.21%	0.382%
93	17.177	2437	2440	2445	rVB2	479975	661044	2.25%	0.268%
94	17.582	2504	2509	2514	rBV2	628933	1008145	3.44%	0.408%
95	17.682	2521	2526	2531	rVB	795754	1096804	3.74%	0.444%
96	19.791	2880	2885	2891	rBV	1562599	2198084	7.50%	0.890%
97	19.950	2907	2912	2918	rVB	1137550	1669863	5.70%	0.676%
98	21.865	3232	3238	3247	rVB	707692	1173174	4.00%	0.475%
99	25.009	3765	3773	3786	rVB2	564838	1648299	5.62%	0.668%
100	25.244	3805	3813	3824	rVB	359826	1067963	3.64%	0.433%

Sum of corrected areas: 246889197

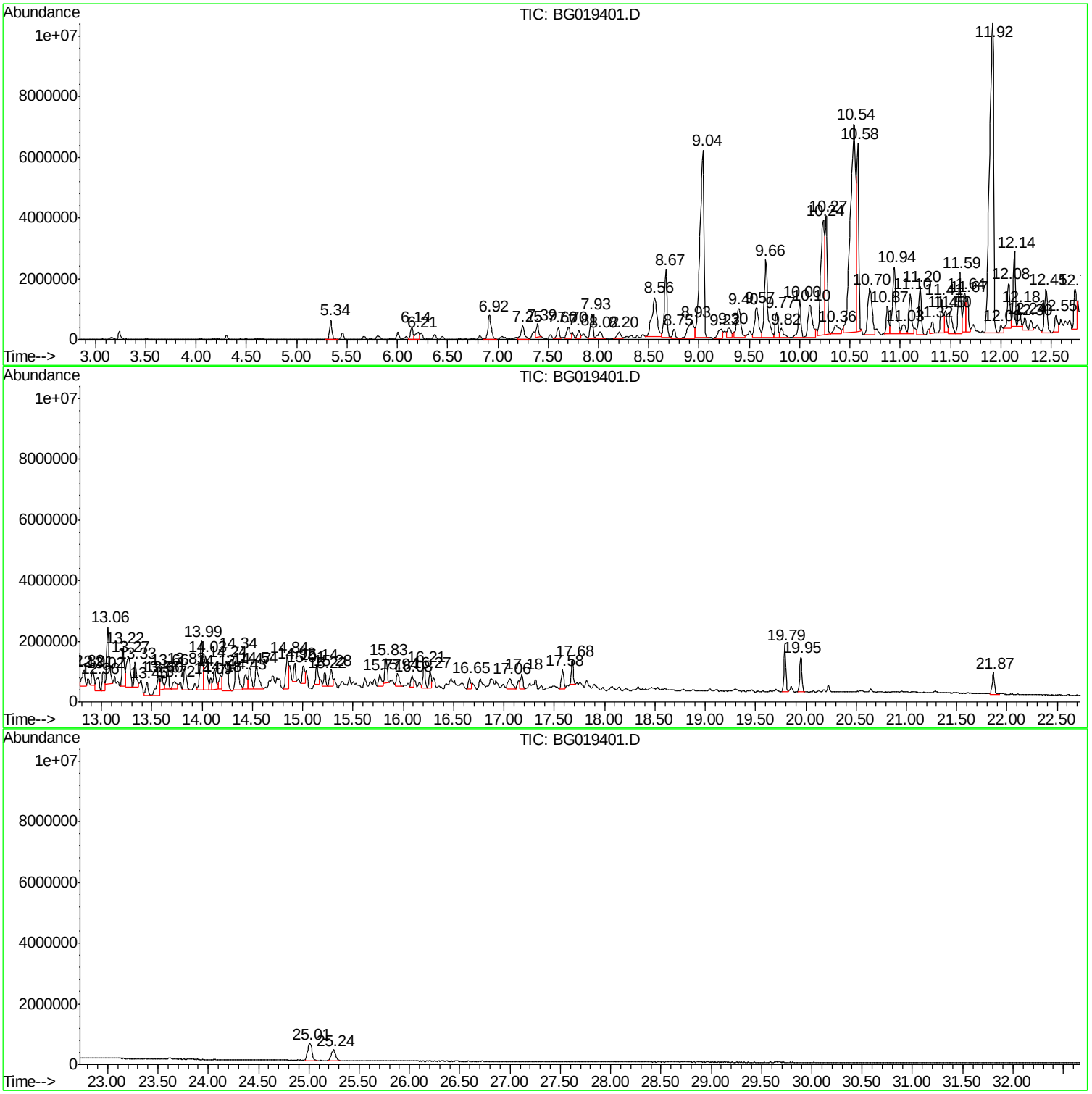
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA G\DATA\BG102815\
Data File : BG019401.D
Acq On : 29 Oct 2015 4:03
Operator : UM/NP
Sample : G4120-16
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5LS4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.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\BG102815\
Data File : BG019401.D
Acq On : 29 Oct 2015 4:03
Operator : UM/NP
Sample : G4120-16
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5LS4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

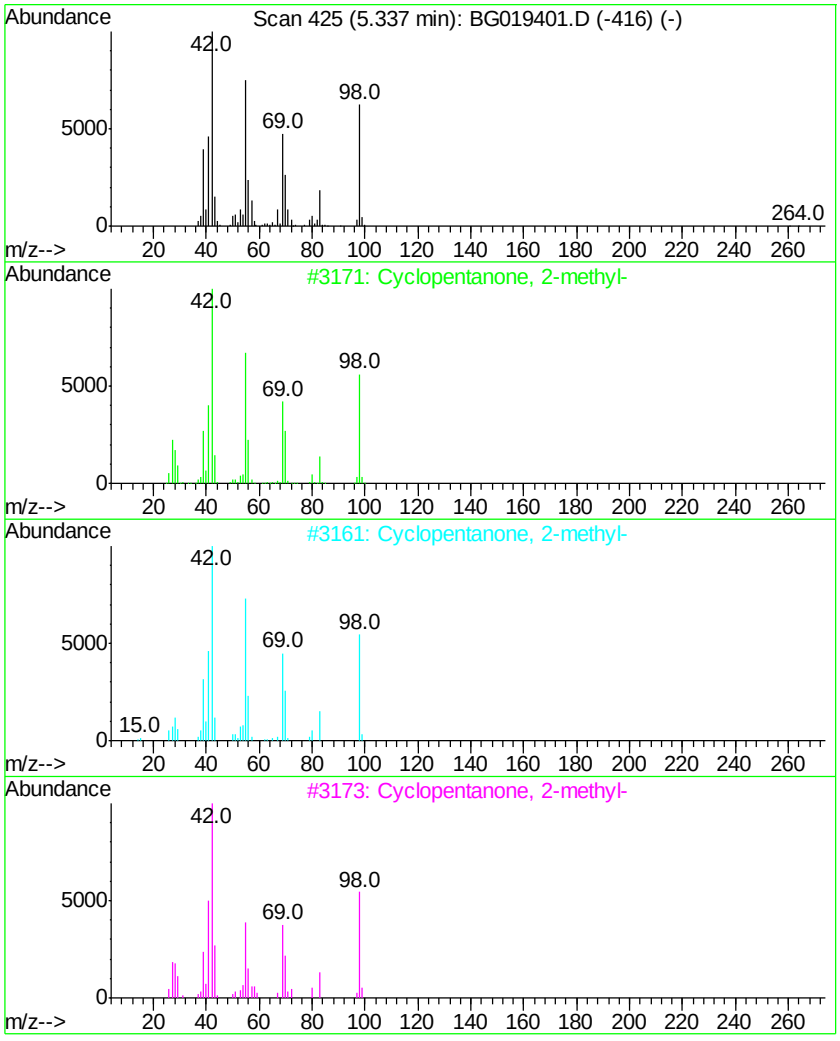
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

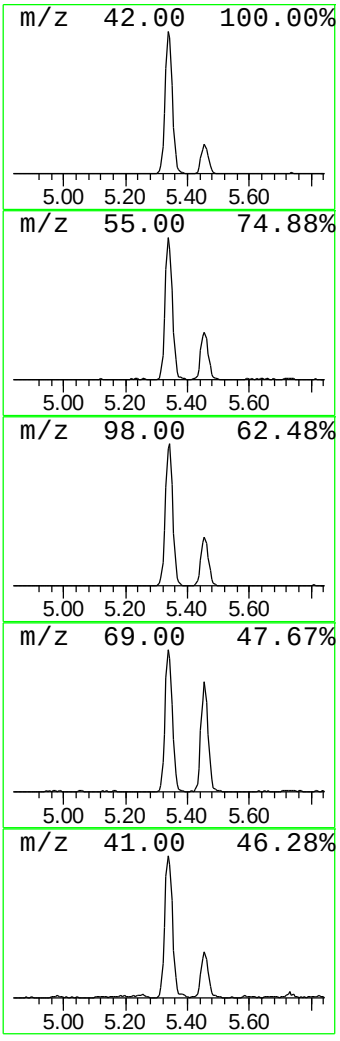
****

Peak Number 1 Cyclopentanone, 2-methyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.34	37.38 ng/ul	1105500	1,4-Dichlorobenzene-d4	8.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentanone, 2-methyl-	98	C6H10O	001120-72-5	95
2	Cyclopentanone, 2-methyl-	98	C6H10O	001120-72-5	95
3	Cyclopentanone, 2-methyl-	98	C6H10O	001120-72-5	64
4	Cyclopentanone, 2-methyl-	98	C6H10O	001120-72-5	58
5	Cyclohexanone	98	C6H10O	000108-94-1	58





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG102815\
Data File : BG019401.D
Acq On : 29 Oct 2015 4:03
Operator : UM/NP
Sample : G4120-16
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5LS4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

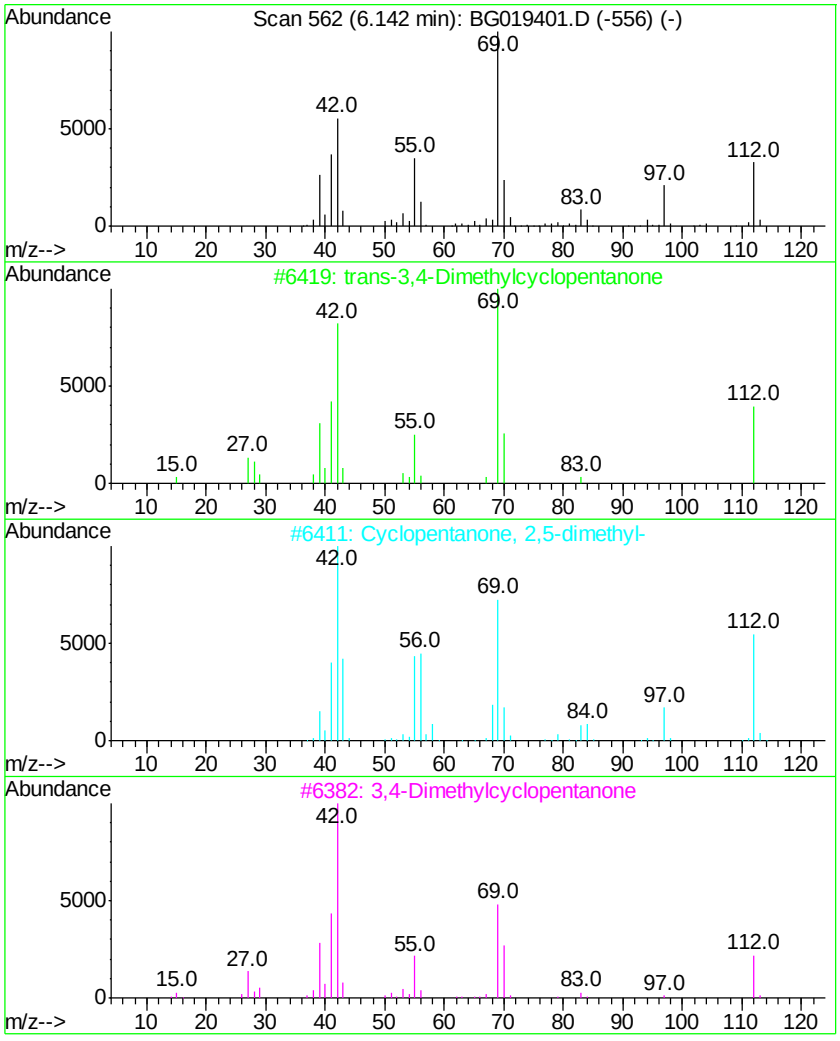
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

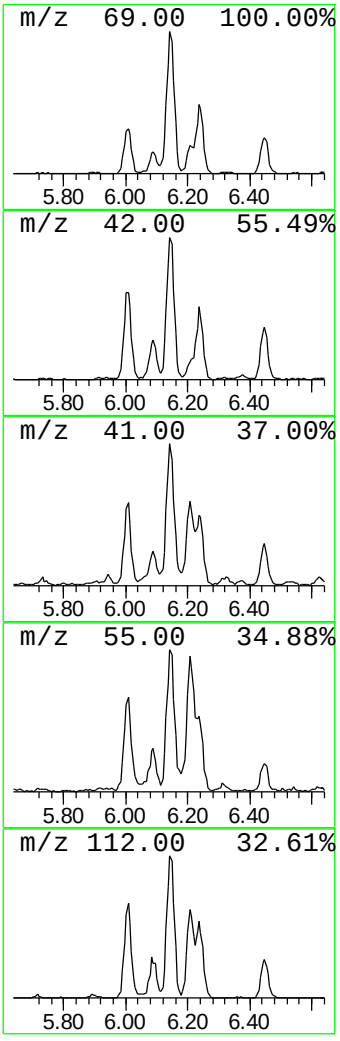
****

Peak Number 2 trans-3,4-Dimethylcyclopent... Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.14	24.11 ng/ul	713063	1,4-Dichlorobenzene-d4	8.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	trans-3,4-Dimethylcyclopentanone	112	C7H12O	019550-73-3	81
2	Cyclopentanone, 2,5-dimethyl-	112	C7H12O	004041-09-2	78
3	3,4-Dimethylcyclopentanone	112	C7H12O	058372-16-0	59
4	Cyclohexanone, 3-methyl-	112	C7H12O	000591-24-2	50
5	Cyclopentanone, 2,5-dimethyl-	112	C7H12O	004041-09-2	50





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG102815\
Data File : BG019401.D
Acq On : 29 Oct 2015 4:03
Operator : UM/NP
Sample : G4120-16
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5LS4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

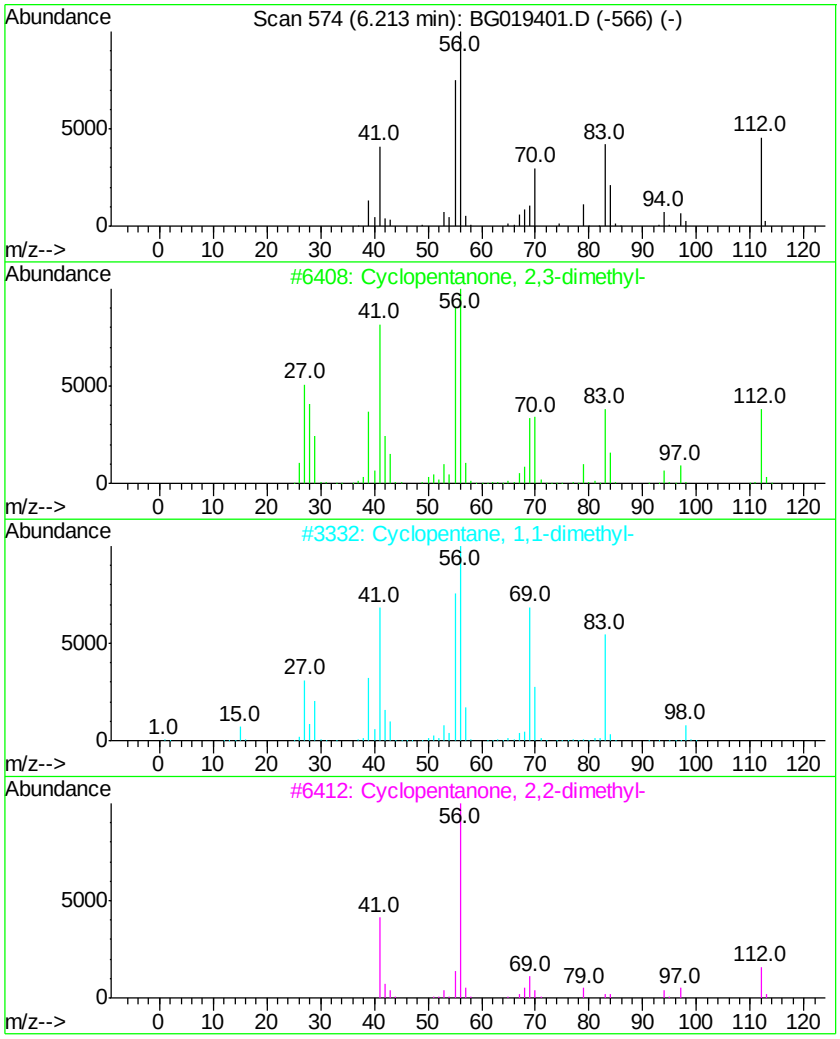
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

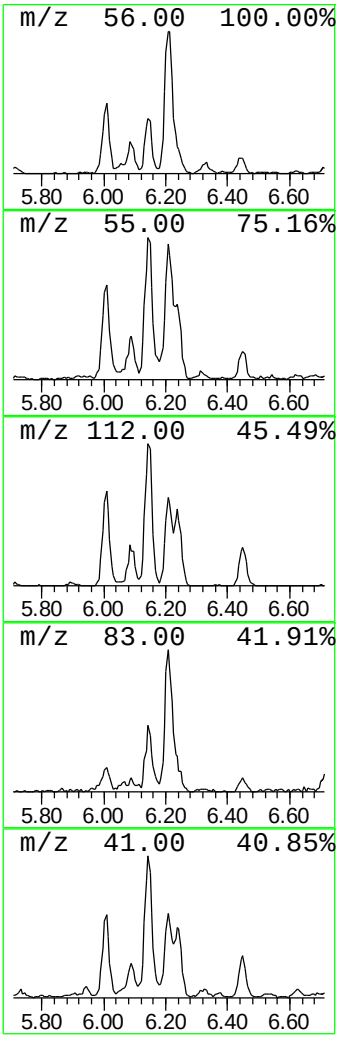
****

Peak Number 3 Cyclopentanone, 2,3-dimethyl- Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.21	21.45 ng/ul	634570	1,4-Dichlorobenzene-d4	8.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentanone, 2,3-dimethyl-	112	C7H12O	1000151-06-7	91
2	Cyclopentane, 1,1-dimethyl-	98	C7H14	001638-26-2	50
3	Cyclopentanone, 2,2-dimethyl-	112	C7H12O	004541-32-6	50
4	Cyclohexanone, 4-methyl-	112	C7H12O	000589-92-4	50
5	Cyclopentane, 1,1-dimethyl-	98	C7H14	001638-26-2	50





Data Path : Z:\HPCHEM1\BNA G\DATA\BG102815\
Data File : BG019401.D
Acq On : 29 Oct 2015 4:03
Operator : UM/NP
Sample : G4120-16
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5LS4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

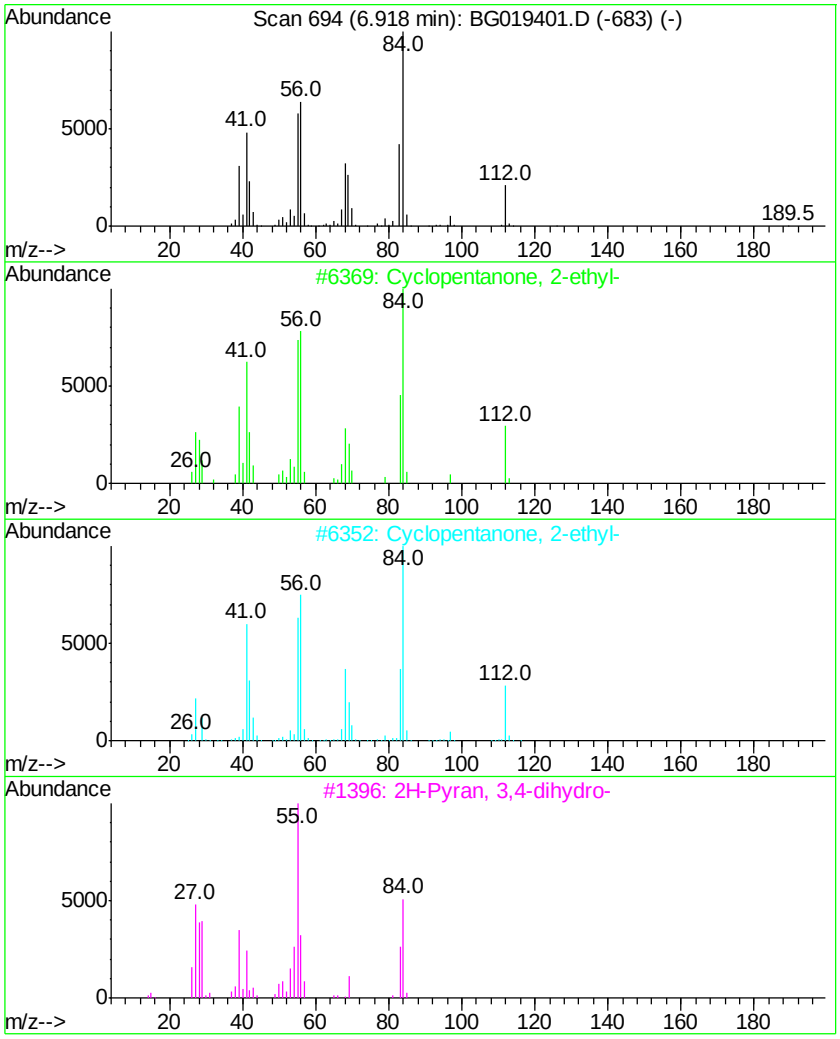
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

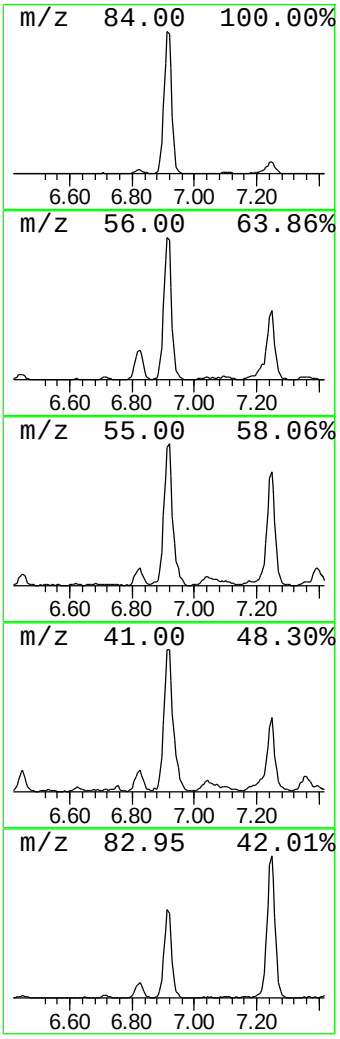
****

Peak Number 4 Cyclopentanone, 2-ethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.92	58.53 ng/ul	1731160	1,4-Dichlorobenzene-d4	8.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentanone, 2-ethyl-	112	C7H12O	004971-18-0	96
2	Cyclopentanone, 2-ethyl-	112	C7H12O	004971-18-0	95
3	2H-Pyran, 3,4-dihydro-	84	C5H8O	000110-87-2	50
4	Cyclohexane	84	C6H12	000110-82-7	46
5	Cycloheptanone	112	C7H12O	000502-42-1	46





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG102815\
Data File : BG019401.D
Acq On : 29 Oct 2015 4:03
Operator : UM/NP
Sample : G4120-16
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5LS4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

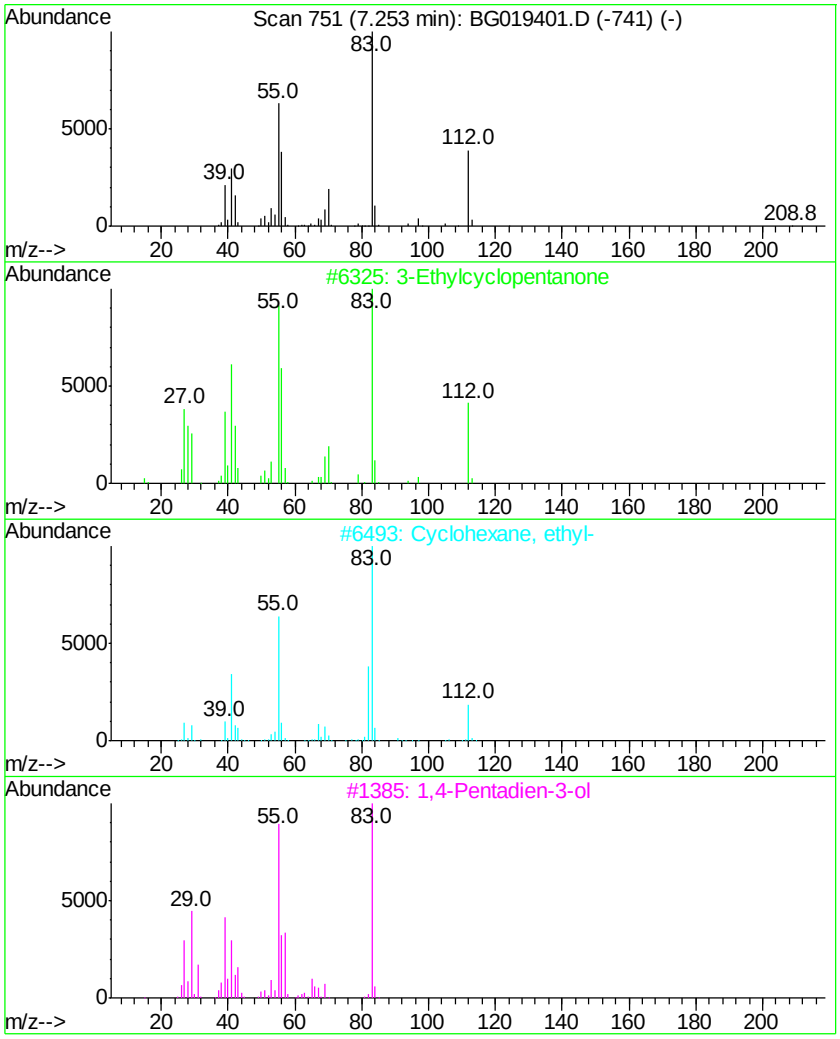
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

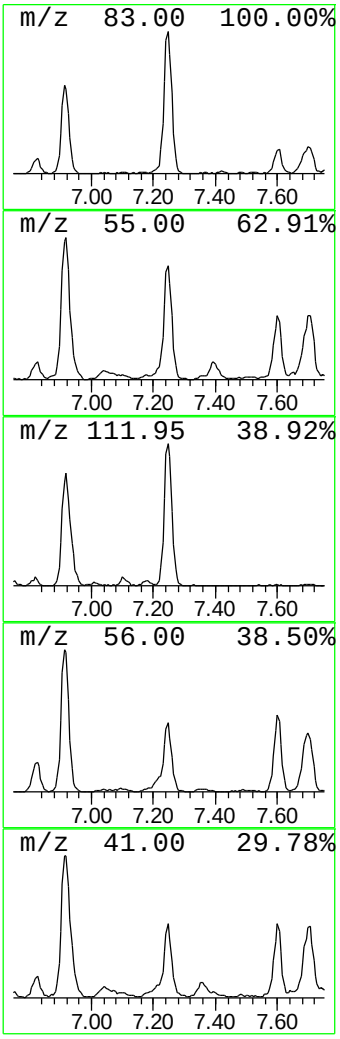
****

Peak Number 5 3-Ethylcyclopentanone Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.25	33.12 ng/ul	979638	1,4-Dichlorobenzene-d4	8.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Ethylcyclopentanone	112	C7H12O	010264-55-8	64
2	Cyclohexane, ethyl-	112	C8H16	001678-91-7	64
3	1,4-Pentadien-3-ol	84	C5H8O	000922-65-6	59
4	trans-3,4-Dimethyl-2-hexene	112	C8H16	019550-82-4	53
5	3-Hexene, 2,4-dimethyl-	112	C8H16	082085-14-1	53





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG102815\
Data File : BG019401.D
Acq On : 29 Oct 2015 4:03
Operator : UM/NP
Sample : G4120-16
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5LS4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

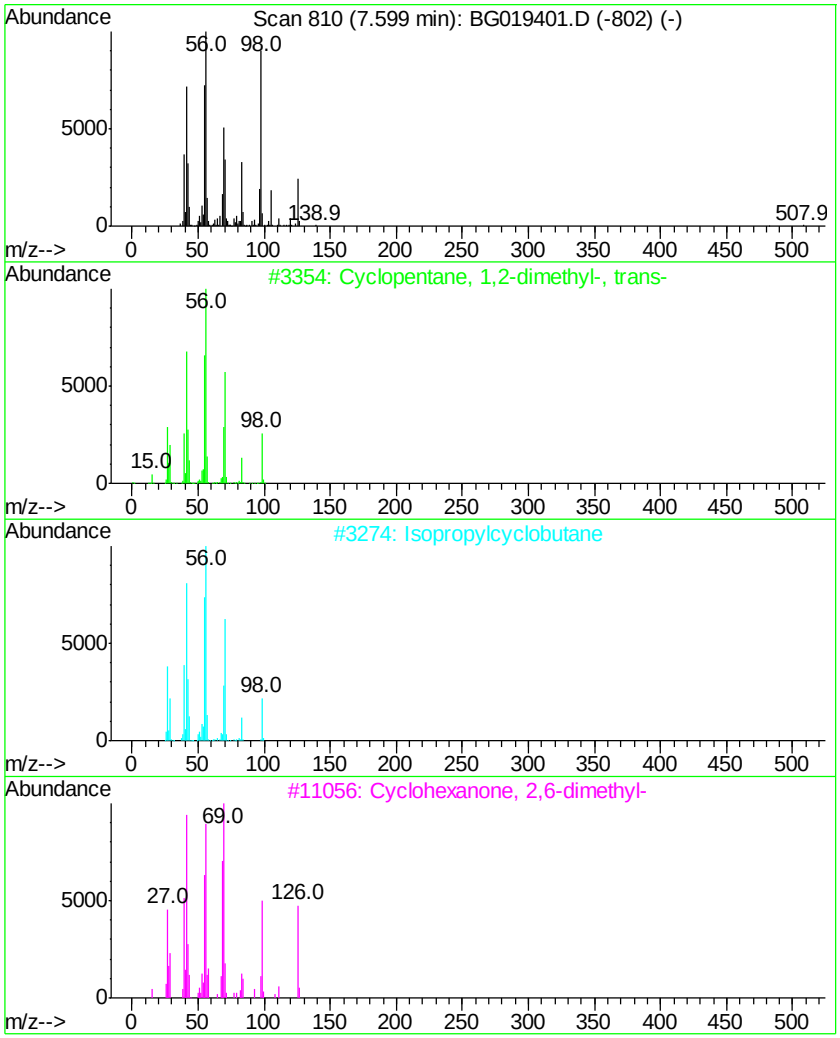
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

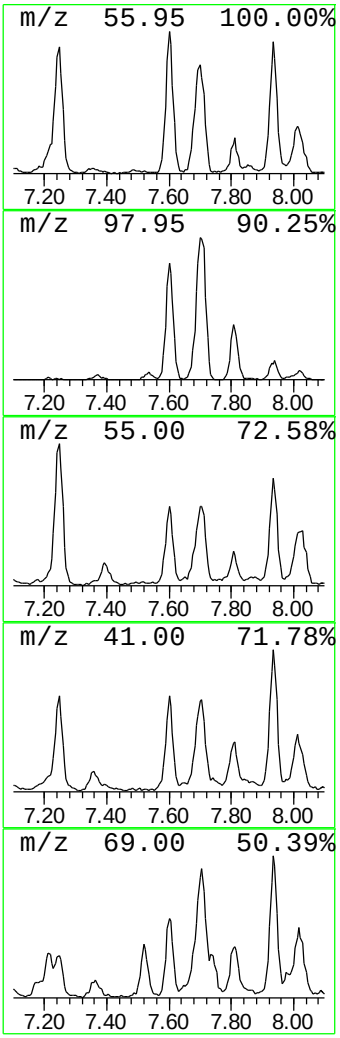
****

Peak Number 6 (DEL) Alkane: Cyclic7.60 Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.60	24.86 ng/ul	735438	1,4-Dichlorobenzene-d4	8.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	76
2	Isopropylcyclobutane	98	C7H14	000872-56-0	76
3	Cyclohexanone, 2,6-dimethyl-	126	C8H14O	002816-57-1	72
4	2-Hexene, 5-methyl-, (E)-	98	C7H14	007385-82-2	68
5	1-Pentene, 2,4-dimethyl-	98	C7H14	002213-32-3	59





Data Path : Z:\HPCHEM1\BNA G\DATA\BG102815\
Data File : BG019401.D
Acq On : 29 Oct 2015 4:03
Operator : UM/NP
Sample : G4120-16
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5LS4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

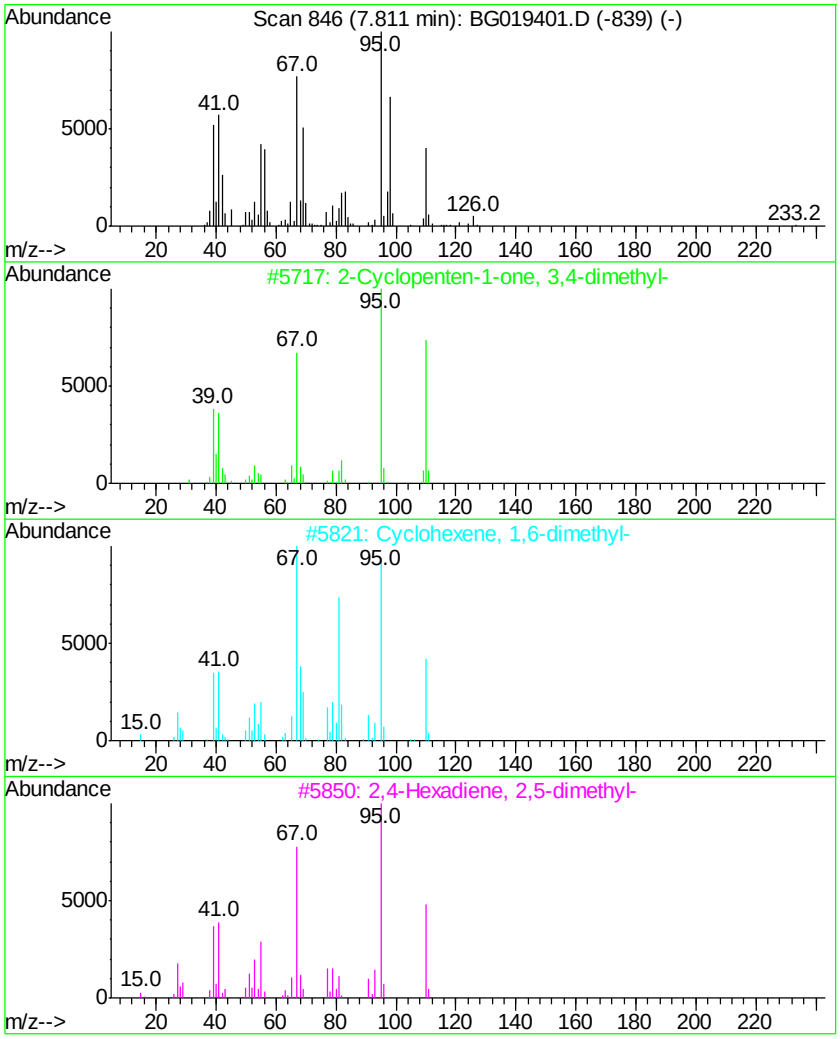
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

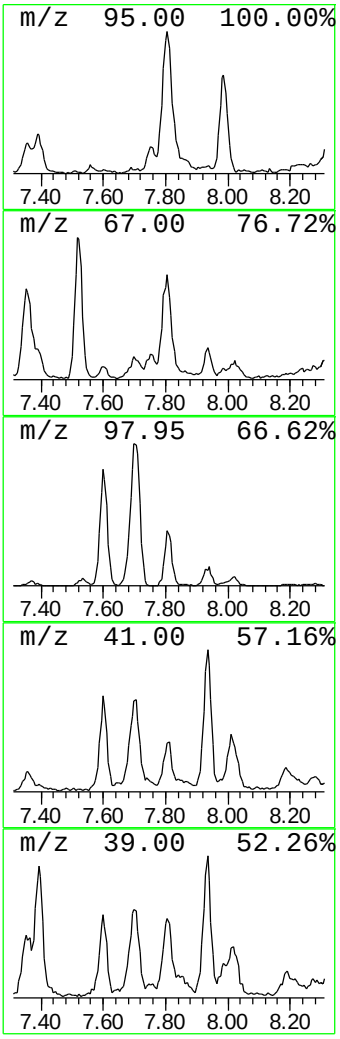
****

Peak Number 7 2-Cyclopenten-1-one, 3,4-di... Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.81	19.68 ng/ul	582144	1,4-Dichlorobenzene-d4	8.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Cyclopenten-1-one, 3,4-dimethyl-	110	C7H10O	030434-64-1	70
2	Cyclohexene, 1,6-dimethyl-	110	C8H14	001759-64-4	53
3	2,4-Hexadiene, 2,5-dimethyl-	110	C8H14	000764-13-6	53
4	2,4-Hexadiene, 2,5-dimethyl-	110	C8H14	000764-13-6	46
5	4,4-Dimethyl-2-cyclopenten-1-one	110	C7H10O	022748-16-9	43





Data Path : Z:\HPCHEM1\BNA G\DATA\BG102815\
Data File : BG019401.D
Acq On : 29 Oct 2015 4:03
Operator : UM/NP
Sample : G4120-16
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5LS4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

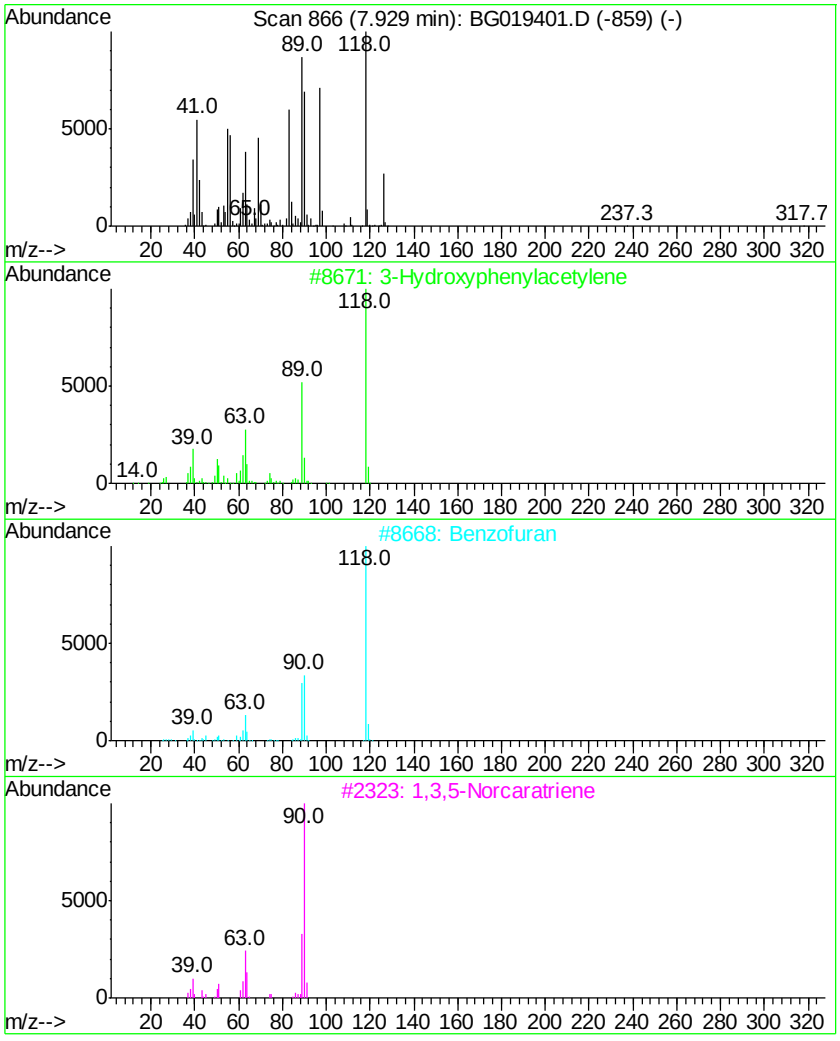
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

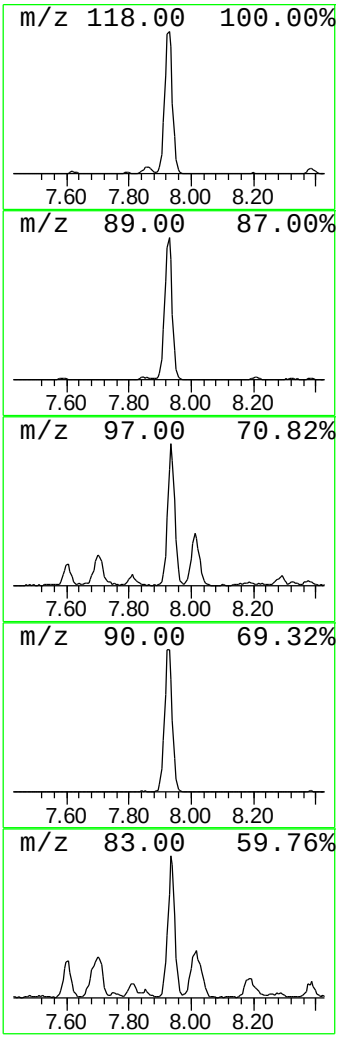
****

Peak Number 8 unknown-01 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.93	50.71 ng/ul	1499860	1,4-Dichlorobenzene-d4	8.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Hydroxyphenylacetylene	118	C8H6O	010401-11-3	49
2	Benzofuran	118	C8H6O	000271-89-6	35
3	1,3,5-Norcaratriene	90	C7H6	004646-69-9	17
4	Thiazole, tetrahydro-	89	C3H7NS	000504-78-9	16
5	Cyclohexanone, 3-ethyl-	126	C8H14O	022461-89-8	15





Data Path : Z:\HPCHEM1\BNA G\DATA\BG102815\
Data File : BG019401.D
Acq On : 29 Oct 2015 4:03
Operator : UM/NP
Sample : G4120-16
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5LS4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

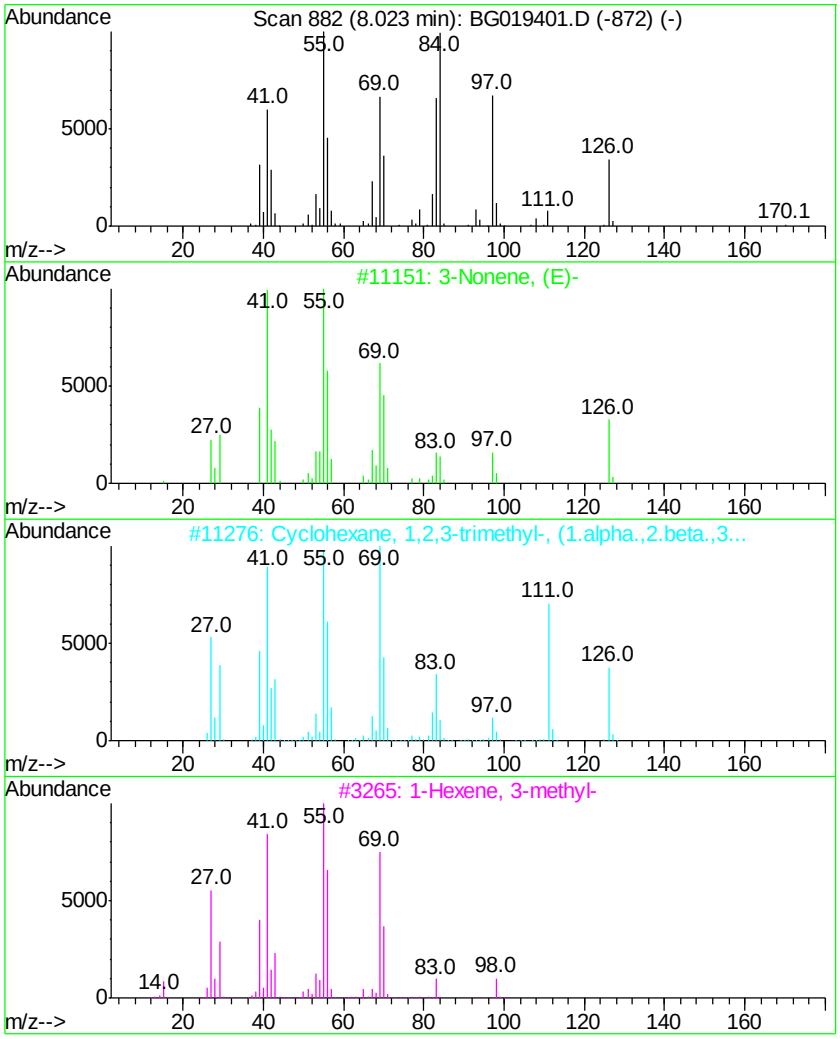
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

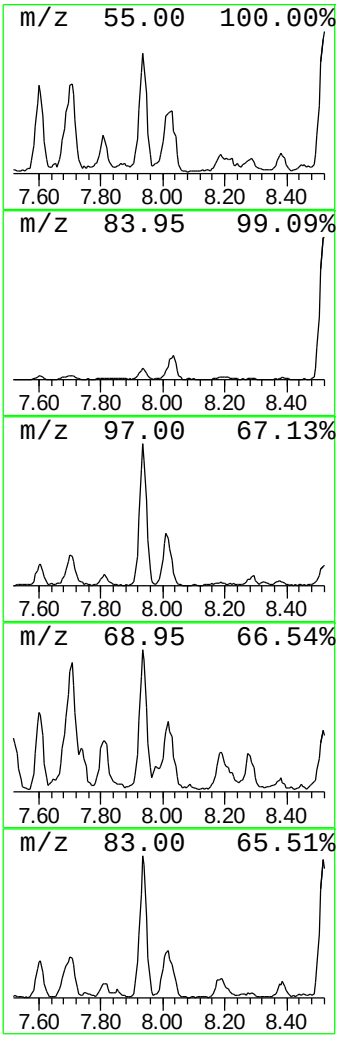
****

Peak Number 9 (DEL) Alkane: Cyclic8.02 Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.02	22.08 ng/ul	653109	1,4-Dichlorobenzene-d4	8.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Nonene, (E)-	126	C9H18	020063-92-7	53
2	Cyclohexane, 1,2,3-trimethyl-, (...	126	C9H18	001678-81-5	53
3	1-Hexene, 3-methyl-	98	C7H14	003404-61-3	46
4	1-Hexene, 3-methyl-	98	C7H14	003404-61-3	46
5	3-Heptene, 2,6-dimethyl-	126	C9H18	002738-18-3	45





Data Path : Z:\HPCHEM1\BNA G\DATA\BG102815\
Data File : BG019401.D
Acq On : 29 Oct 2015 4:03
Operator : UM/NP
Sample : G4120-16
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5LS4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

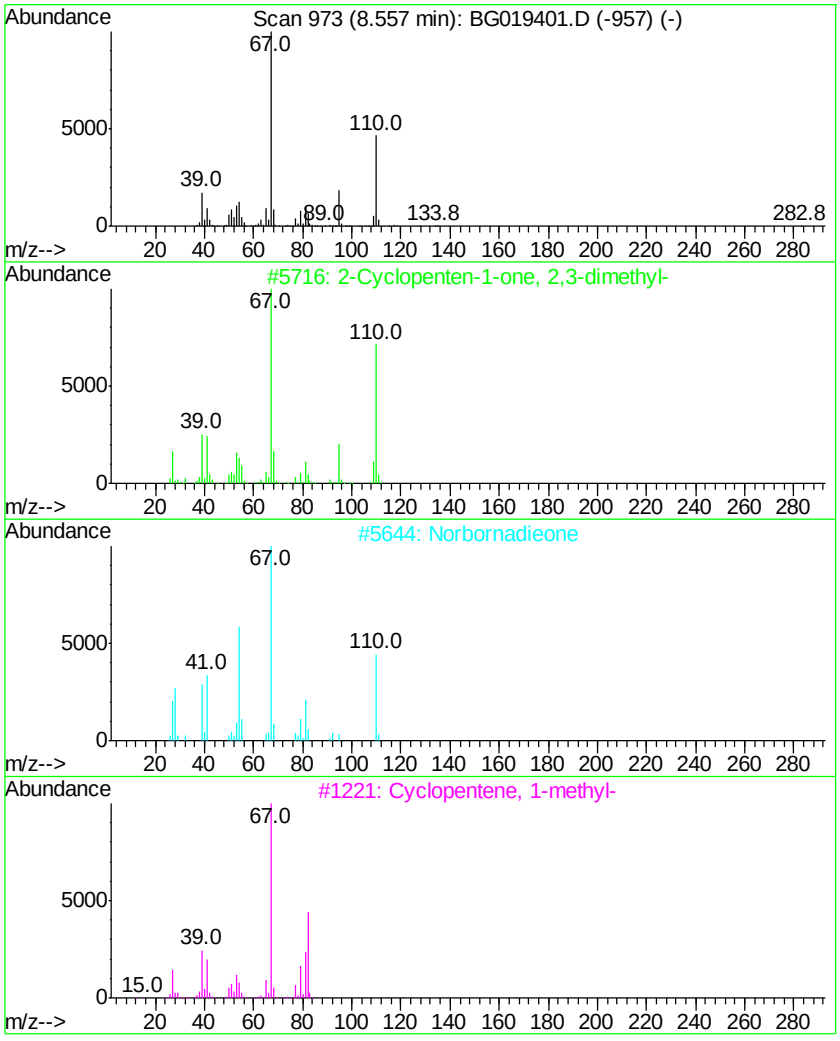
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

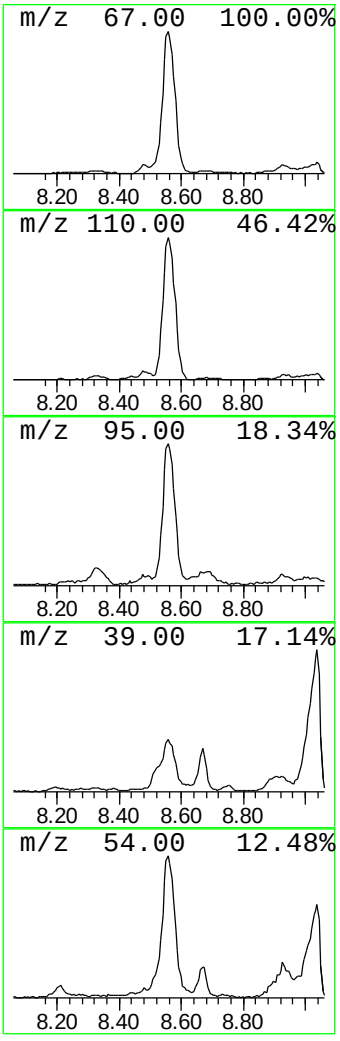
****

Peak Number 10 2-Cyclopenten-1-one, 2,3-di... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.56	159.86 ng/ul	4728220	1,4-Dichlorobenzene-d4	8.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Cyclopenten-1-one, 2,3-dimethyl-	110	C7H10O	001121-05-7	91
2	Norbornadieone	110	C7H10O	010218-02-7	68
3	Cyclopentene, 1-methyl-	82	C6H10	000693-89-0	64
4	1,4-Pentadiene, 3-methyl-	82	C6H10	001115-08-8	52
5	1,3-Pentadiene, 3-methyl-, (E)-	82	C6H10	002787-43-1	50





Data Path : Z:\HPCHEM1\BNA G\DATA\BG102815\
Data File : BG019401.D
Acq On : 29 Oct 2015 4:03
Operator : UM/NP
Sample : G4120-16
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5LS4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

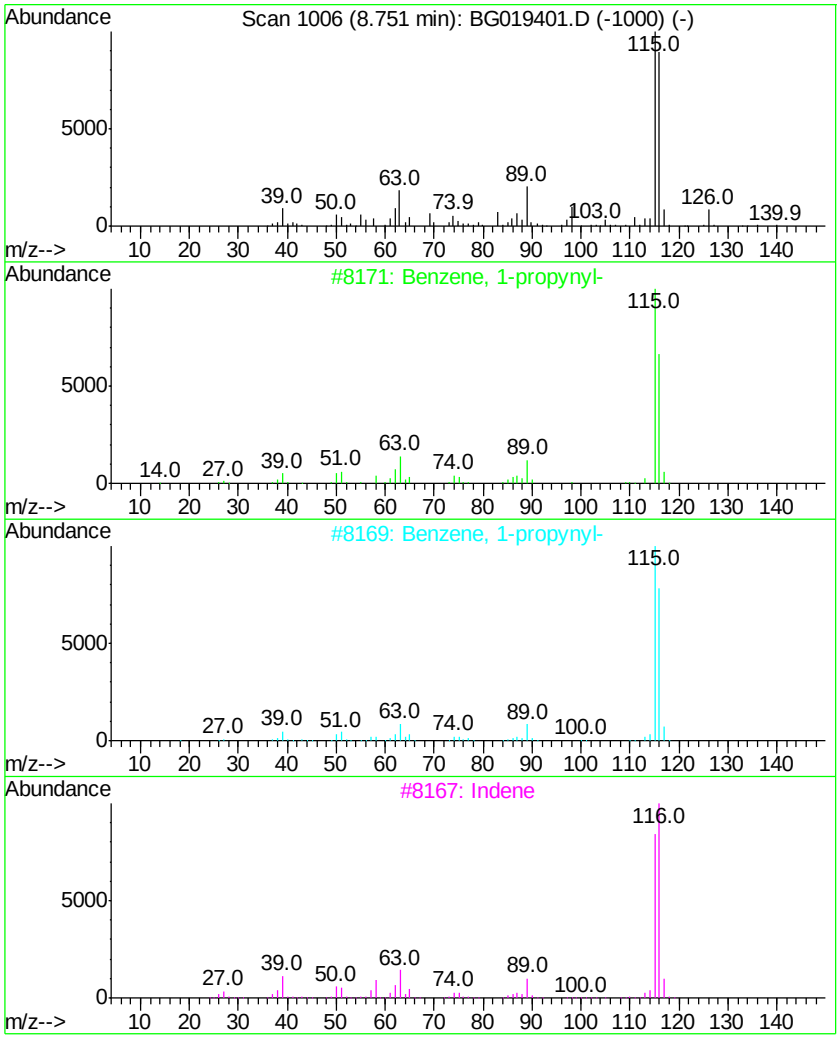
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

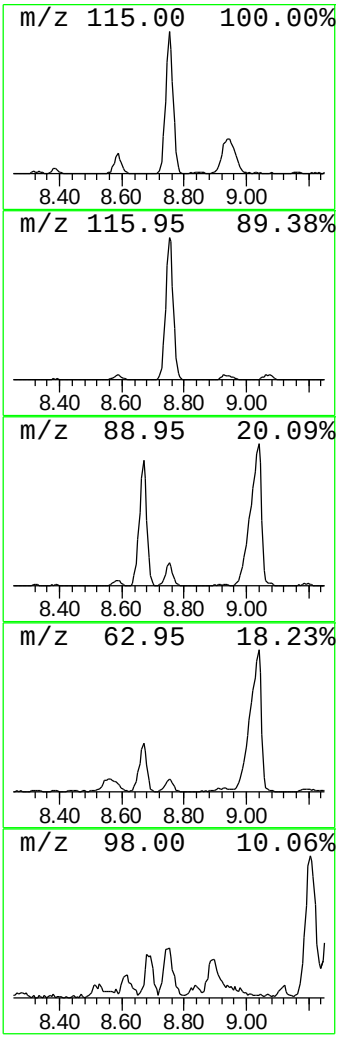
****

Peak Number 11 Benzene, 1-propynyl- Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.75	20.02 ng/ul	592179	1,4-Dichlorobenzene-d4	8.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-propynyl-	116	C9H8	000673-32-5	94
2	Benzene, 1-propynyl-	116	C9H8	000673-32-5	90
3	Indene	116	C9H8	000095-13-6	87
4	Benzene,1-ethynyl-2-methyl-	116	C9H8	000766-47-2	87
5	Benzene, 1-propynyl-	116	C9H8	000673-32-5	87





Data Path : Z:\HPCHEM1\BNA G\DATA\BG102815\
Data File : BG019401.D
Acq On : 29 Oct 2015 4:03
Operator : UM/NP
Sample : G4120-16
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5LS4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

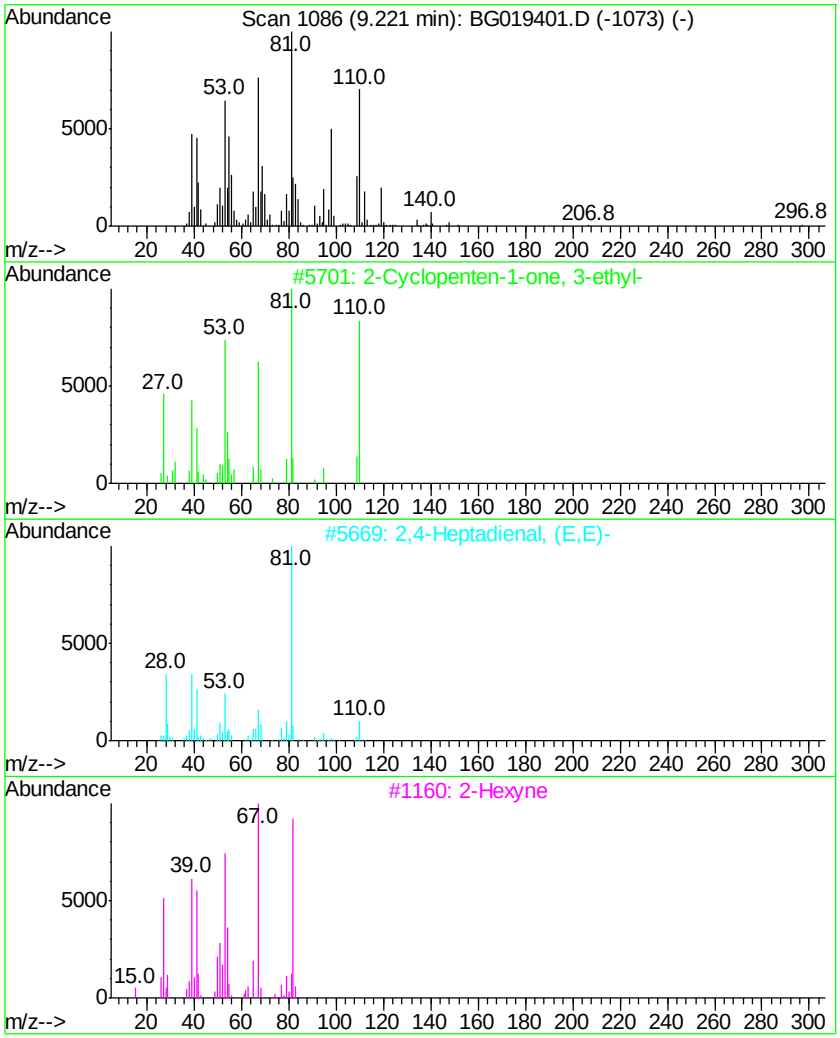
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

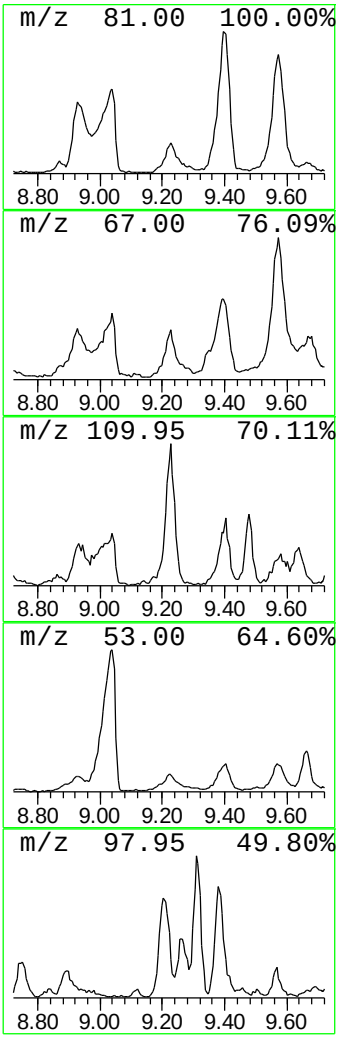
****

Peak Number 12 unknown-02 Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.22	32.39 ng/ul	958056	1,4-Dichlorobenzene-d4	8.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Cyclopenten-1-one, 3-ethyl-	110	C7H10O	005682-69-9	49
2	2,4-Heptadienal, (E,E)-	110	C7H10O	004313-03-5	43
3	2-Hexyne	82	C6H10	000764-35-2	35
4	Cyclooctanone, 2-methyl-	140	C9H16O	010363-27-6	35
5	Furan, 2-ethyl-	96	C6H8O	003208-16-0	35





Data Path : Z:\HPCHEM1\BNA G\DATA\BG102815\
Data File : BG019401.D
Acq On : 29 Oct 2015 4:03
Operator : UM/NP
Sample : G4120-16
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5LS4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

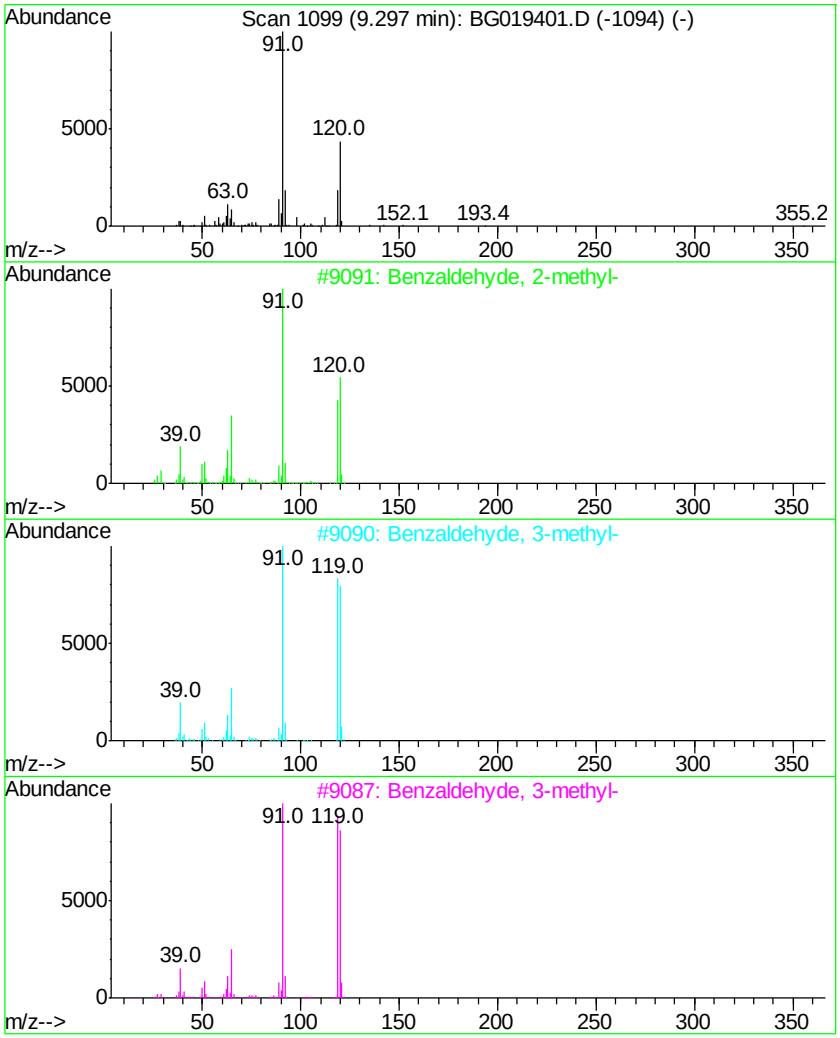
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

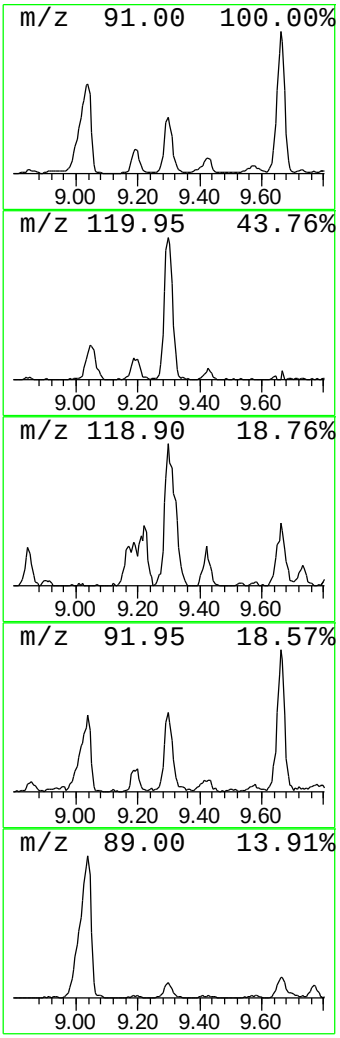
****

Peak Number 13 Benzaldehyde, 2-methyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.30	29.75 ng/ul	880008	1,4-Dichlorobenzene-d4	8.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 2-methyl-	120	C8H8O	000529-20-4	50
2	Benzaldehyde, 3-methyl-	120	C8H8O	000620-23-5	50
3	Benzaldehyde, 3-methyl-	120	C8H8O	000620-23-5	50
4	Benzaldehyde, 2-methyl-	120	C8H8O	000529-20-4	50
5	Bicyclo[4.2.0]octa-1,3,5-trien-7-ol	120	C8H8O	035447-99-5	47





Data Path : Z:\HPCHEM1\BNA G\DATA\BG102815\
Data File : BG019401.D
Acq On : 29 Oct 2015 4:03
Operator : UM/NP
Sample : G4120-16
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5LS4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

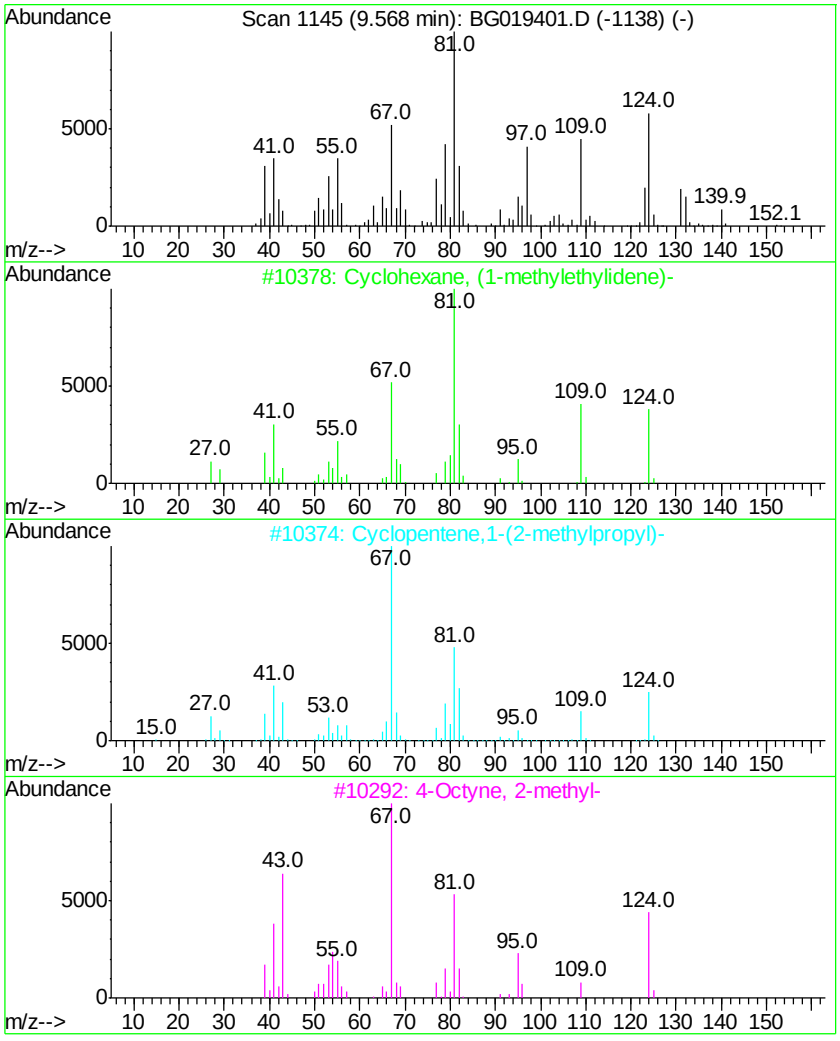
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

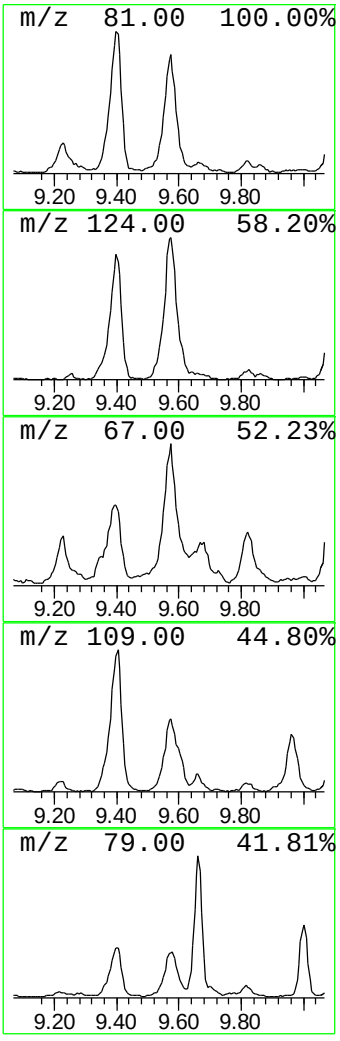
****

Peak Number 14 Cyclohexane, (1-methylethyl... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.57	92.92 ng/ul	2748420	1,4-Dichlorobenzene-d4	8.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, (1-methylethylidene)-	124	C9H16	005749-72-4	53
2	Cyclopentene,1-(2-methylpropyl)-	124	C9H16	053098-47-8	49
3	4-Octyne, 2-methyl-	124	C9H16	010306-94-2	35
4	2,3-Dimethyl-1,4-pentadiene	96	C7H12	000758-86-1	30
5	Cyclohexene,1-propyl-	124	C9H16	002539-75-5	27





Data Path : Z:\HPCHEM1\BNA G\DATA\BG102815\
Data File : BG019401.D
Acq On : 29 Oct 2015 4:03
Operator : UM/NP
Sample : G4120-16
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5LS4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

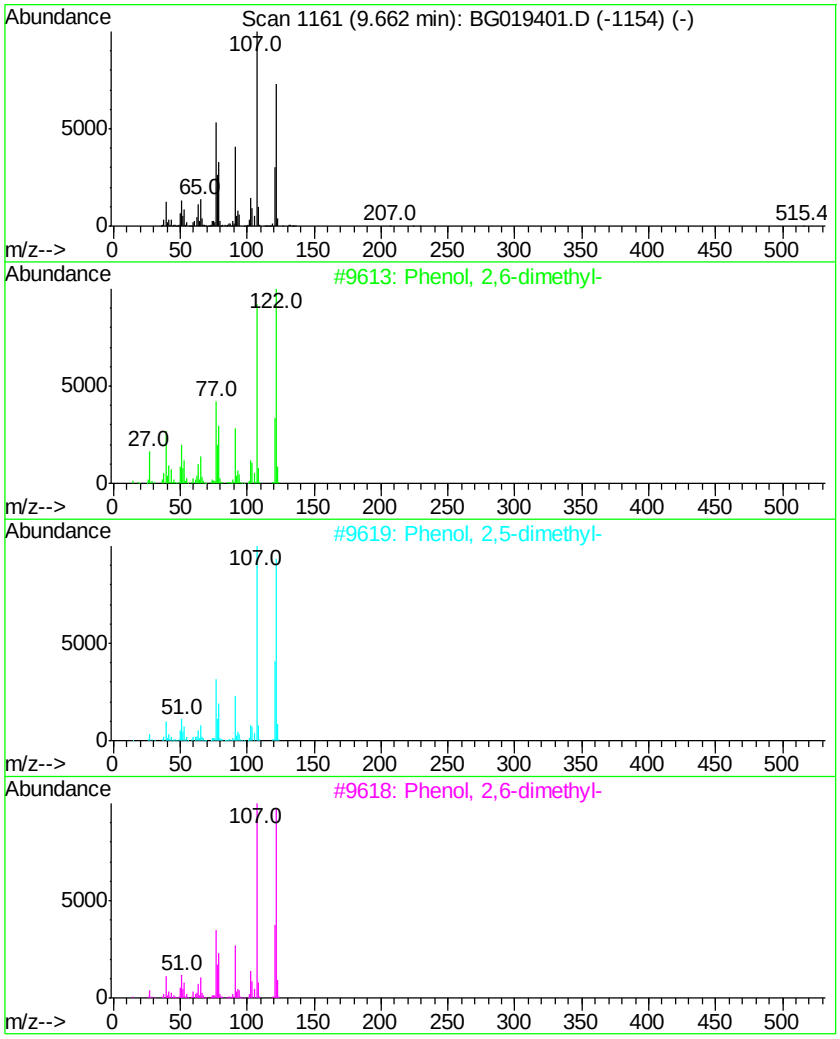
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

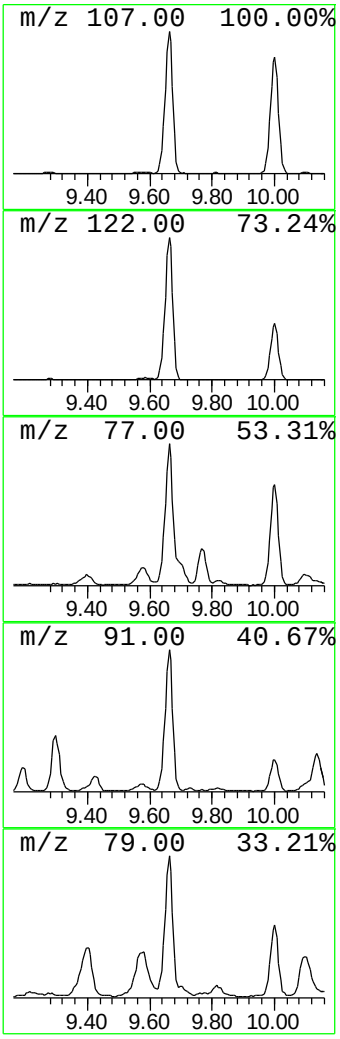
****

Peak Number 15 Phenol, 2,6-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.66	156.80 ng/ul	5974800	Naphthalene-d8	11.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 2,6-dimethyl-	122	C8H10O	000576-26-1	94
2	Phenol, 2,5-dimethyl-	122	C8H10O	000095-87-4	94
3	Phenol, 2,6-dimethyl-	122	C8H10O	000576-26-1	94
4	Phenol, 2,3-dimethyl-	122	C8H10O	000526-75-0	91
5	Phenol, 2,3-dimethyl-	122	C8H10O	000526-75-0	91





Data Path : Z:\HPCHEM1\BNA G\DATA\BG102815\
Data File : BG019401.D
Acq On : 29 Oct 2015 4:03
Operator : UM/NP
Sample : G4120-16
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5LS4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

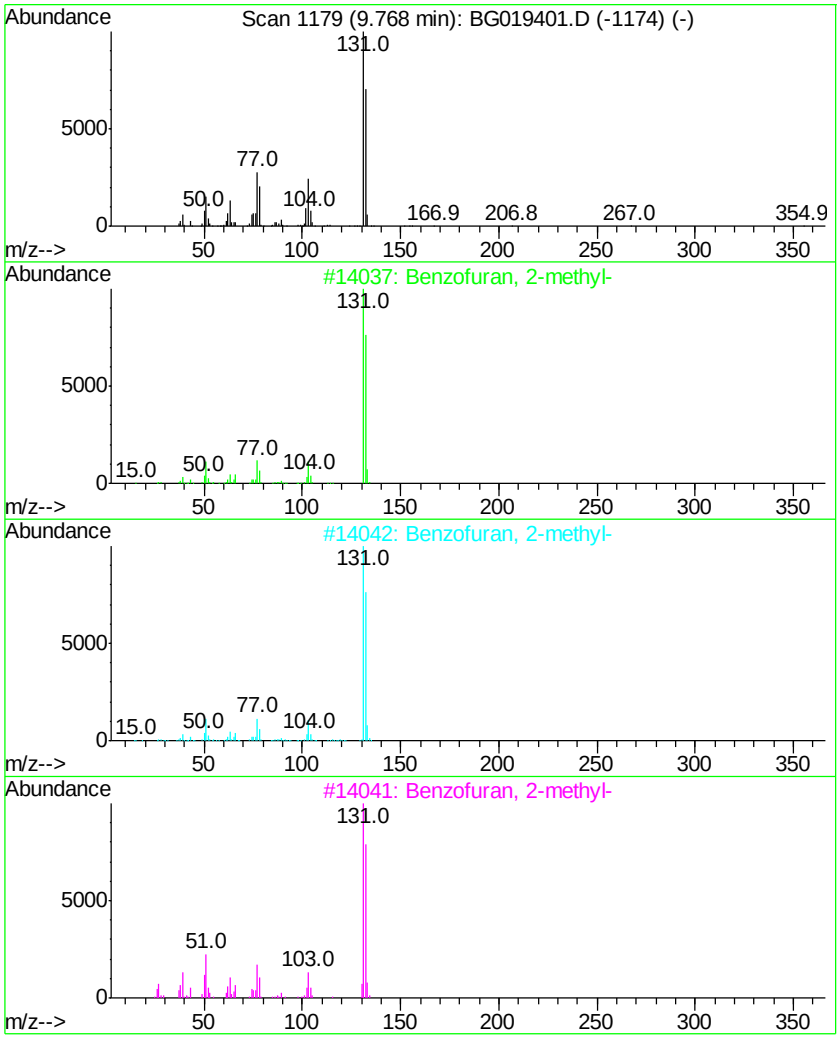
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

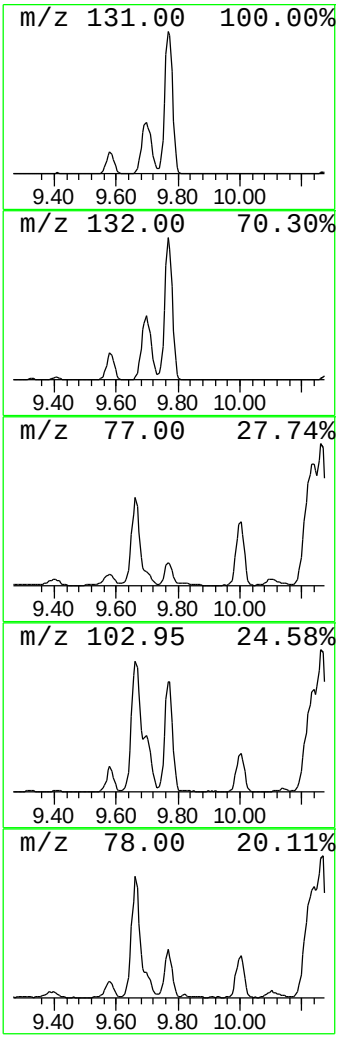
****

Peak Number 16 Benzofuran, 2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.77	39.97 ng/ul	1523150	Naphthalene-d8	11.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	94
2	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	94
3	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	94
4	3-Phenyl-2-propyn-1-ol	132	C9H8O	001504-58-1	90
5	Cinnamaldehyde, (E)-	132	C9H8O	014371-10-9	87





Data Path : Z:\HPCHEM1\BNA G\DATA\BG102815\
Data File : BG019401.D
Acq On : 29 Oct 2015 4:03
Operator : UM/NP
Sample : G4120-16
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5LS4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

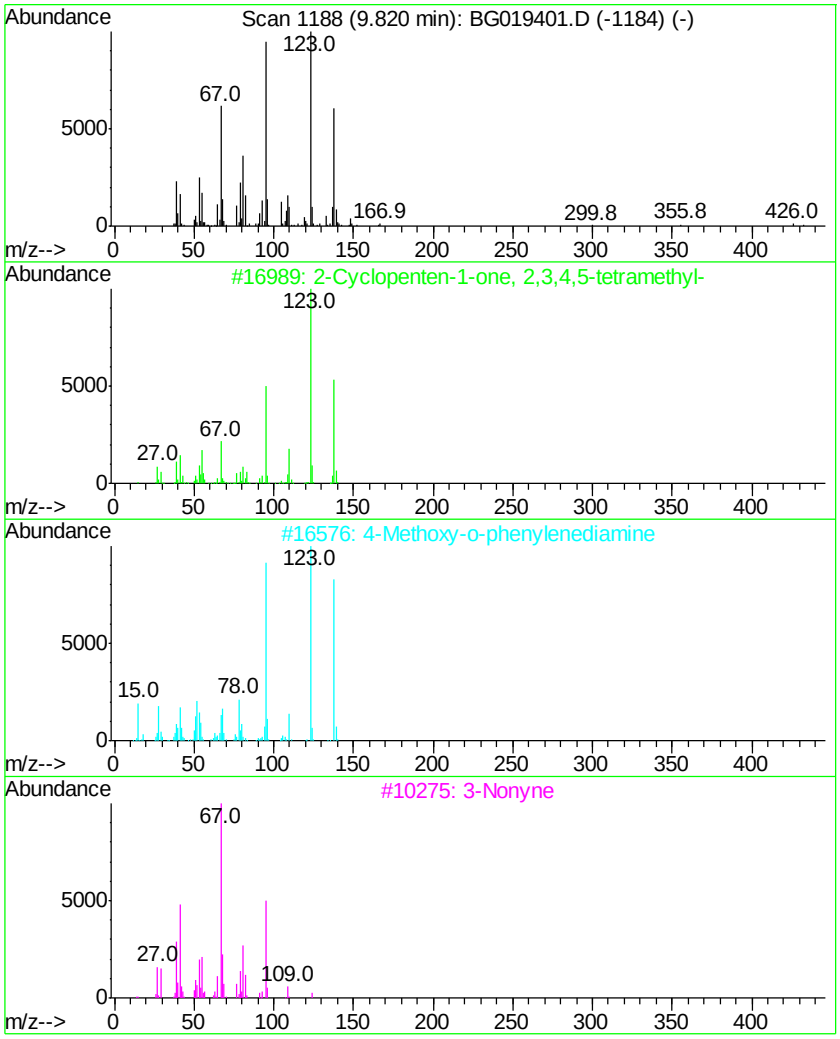
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

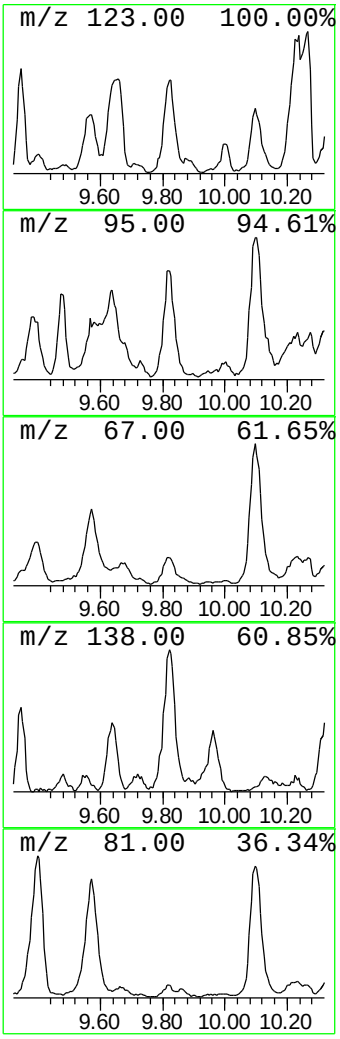
****

Peak Number 17 2-Cyclopenten-1-one, 2,3,4,... Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.82	19.51 ng/ul	743483	Naphthalene-d8	11.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Cyclopenten-1-one, 2,3,4,5-tet...	138	C9H14O	054458-61-6	86
2	4-Methoxy-o-phenylenediamine	138	C7H10N2O	000102-51-2	81
3	3-Nonyne	124	C9H16	020184-89-8	50
4	1,3-Benzenediamine, 4-methoxy-	138	C7H10N2O	000615-05-4	49
5	Cyclohexane, 1-methyl-3-(1-methy...	138	C10H18	013828-34-7	49





Data Path : Z:\HPCHEM1\BNA G\DATA\BG102815\
Data File : BG019401.D
Acq On : 29 Oct 2015 4:03
Operator : UM/NP
Sample : G4120-16
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5LS4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

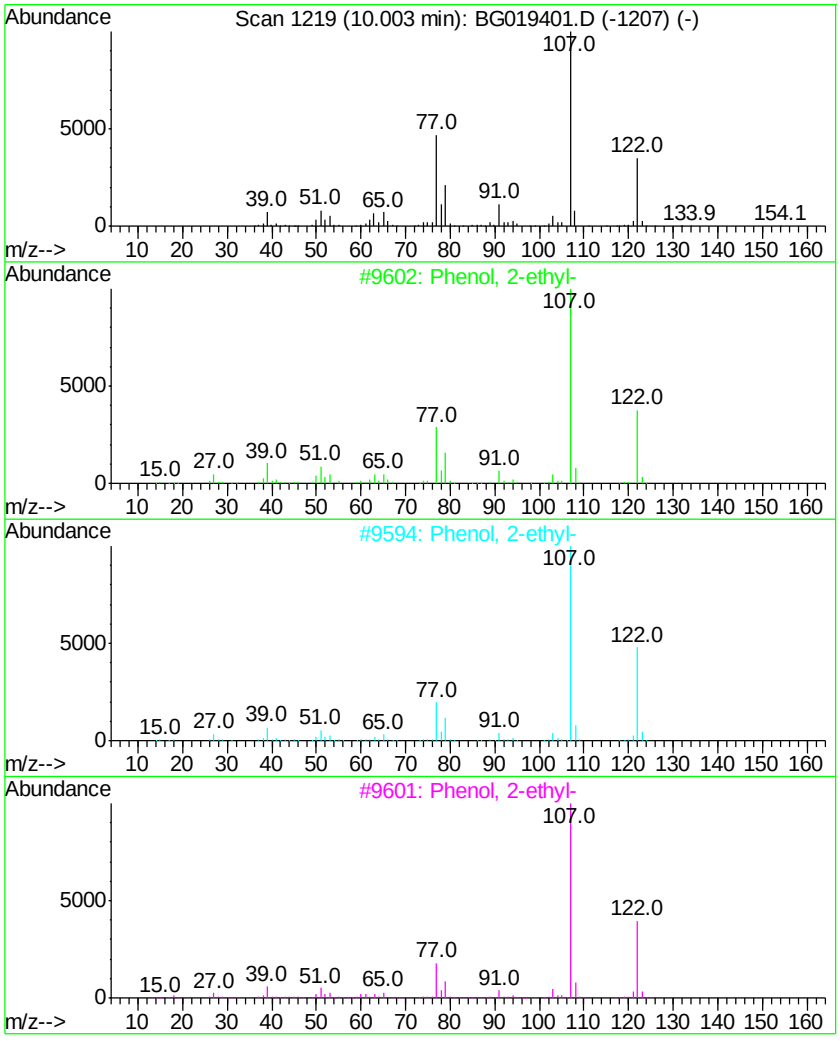
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

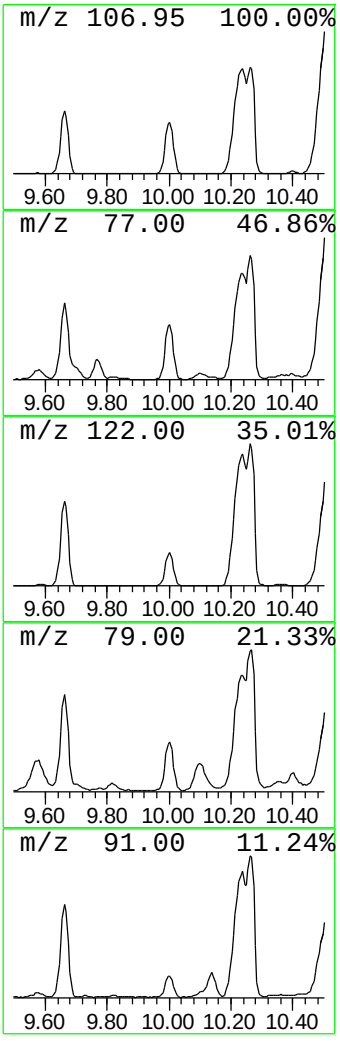
****

Peak Number 18 Phenol, 2-ethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.00	61.48 ng/ul	2342470	Naphthalene-d8	11.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 2-ethyl-	122	C8H10O	000090-00-6	94
2	Phenol, 2-ethyl-	122	C8H10O	000090-00-6	91
3	Phenol, 2-ethyl-	122	C8H10O	000090-00-6	91
4	Phenol, 3,4-dimethyl-	122	C8H10O	000095-65-8	87
5	Phenol, 4-ethyl-	122	C8H10O	000123-07-9	81





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG102815\
Data File : BG019401.D
Acq On : 29 Oct 2015 4:03
Operator : UM/NP
Sample : G4120-16
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5LS4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

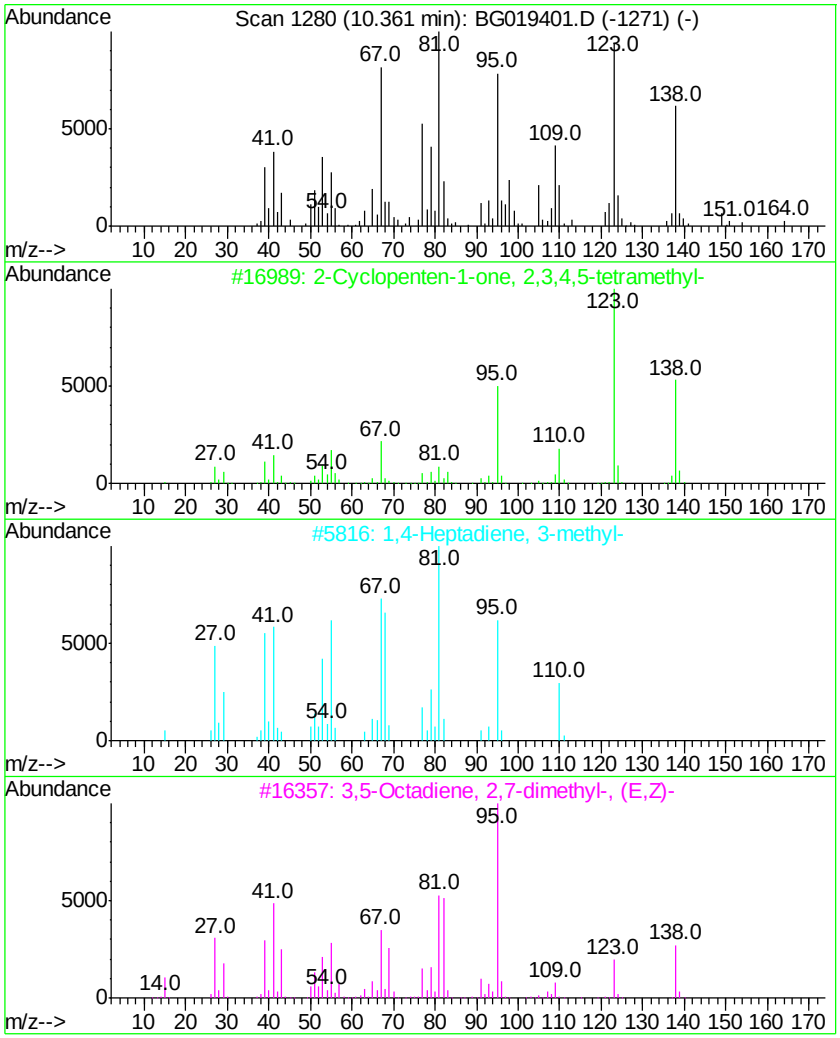
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

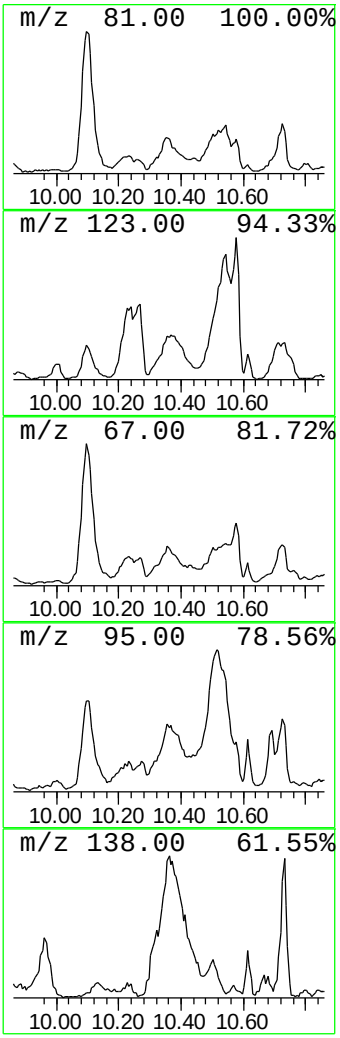
****

Peak Number 19 1,4-Heptadiene, 3-methyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.36	27.94 ng/ul	1064490	Naphthalene-d8	11.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Cyclopenten-1-one, 2,3,4,5-tet...	138	C9H14O	054458-61-6	72
2	1,4-Heptadiene, 3-methyl-	110	C8H14	001603-01-6	58
3	3,5-Octadiene, 2,7-dimethyl-, (E...	138	C10H18	055682-64-9	58
4	Cyclopentane, 1-methyl-3-(2-meth...	138	C10H18	075873-01-7	58
5	2,4-Hexadiene, 3,4-dimethyl-, (E...	110	C8H14	002417-88-1	49





Data Path : Z:\HPCHEM1\BNA G\DATA\BG102815\
Data File : BG019401.D
Acq On : 29 Oct 2015 4:03
Operator : UM/NP
Sample : G4120-16
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5LS4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

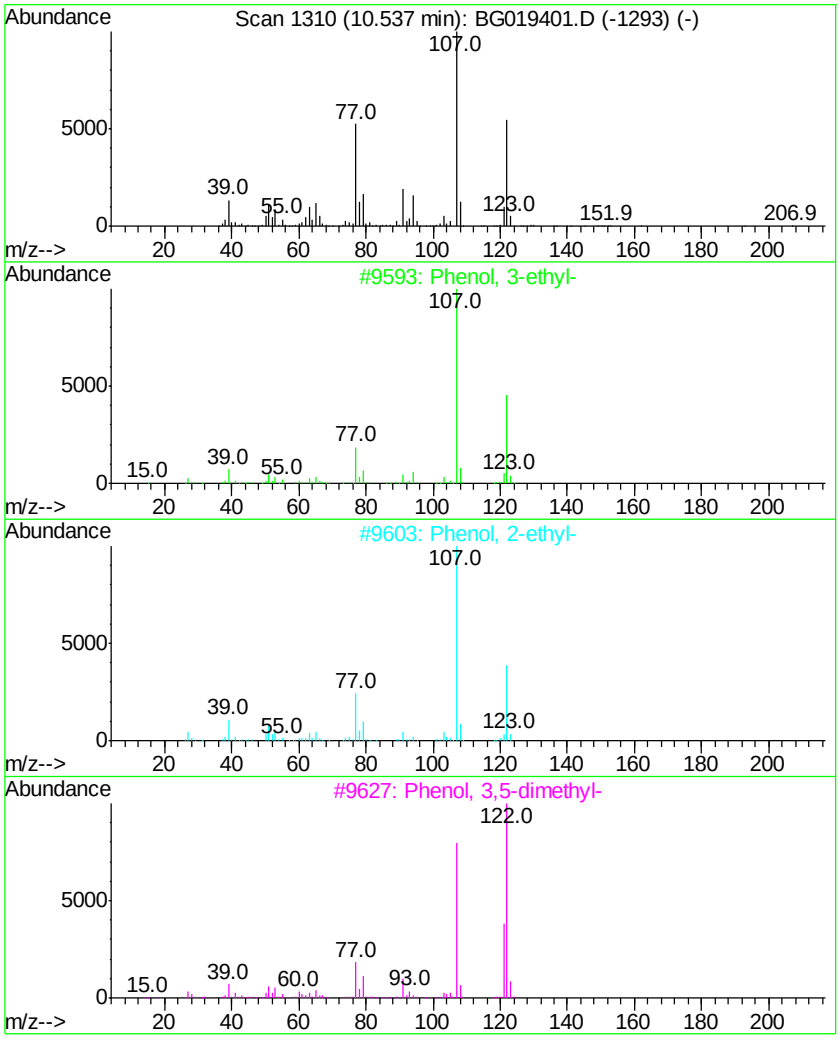
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

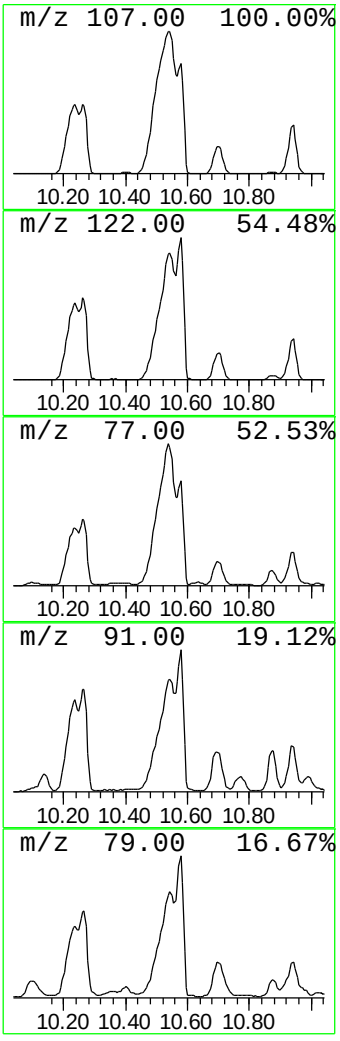
****

Peak Number 20 Phenol, 3-ethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.54	672.01 ng/ul	25606400	Naphthalene-d8	11.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 3-ethyl-	122	C8H10O	000620-17-7	90
2	Phenol, 2-ethyl-	122	C8H10O	000090-00-6	90
3	Phenol, 3,5-dimethyl-	122	C8H10O	000108-68-9	87
4	Phenol, 3-ethyl-	122	C8H10O	000620-17-7	83
5	Phenol, 3,4-dimethyl-	122	C8H10O	000095-65-8	83





Data Path : Z:\HPCHEM1\BNA G\DATA\BG102815\
Data File : BG019401.D
Acq On : 29 Oct 2015 4:03
Operator : UM/NP
Sample : G4120-16
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5LS4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

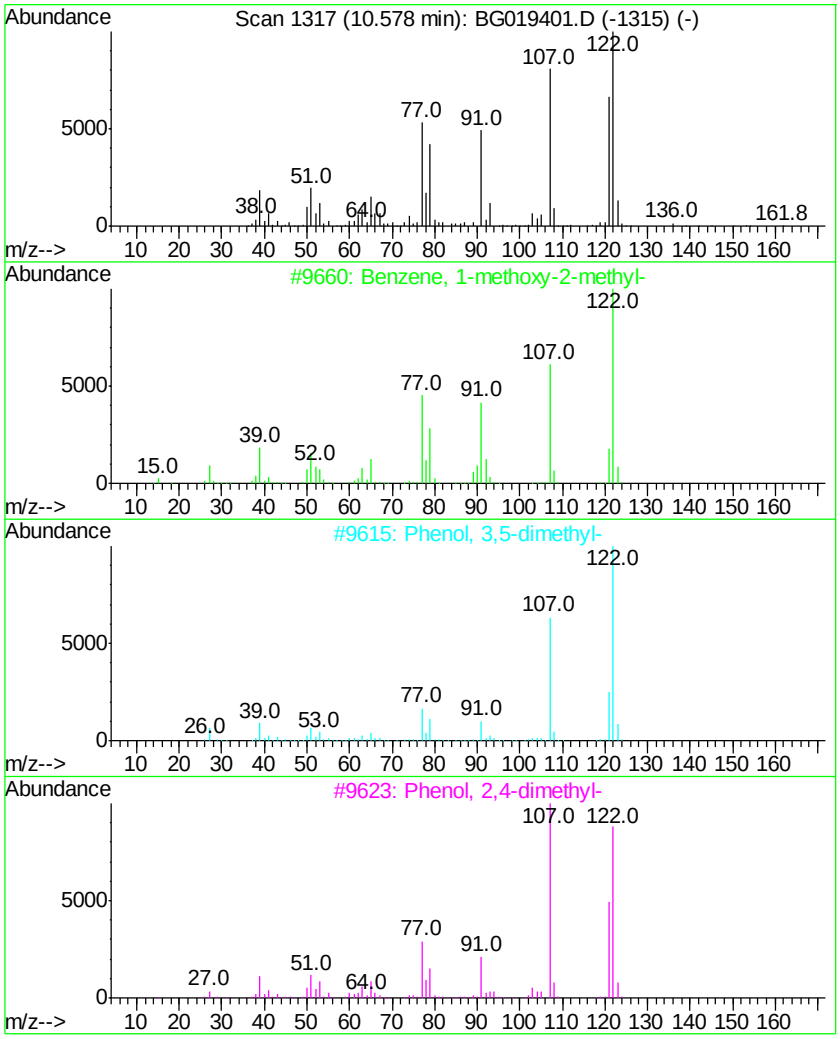
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

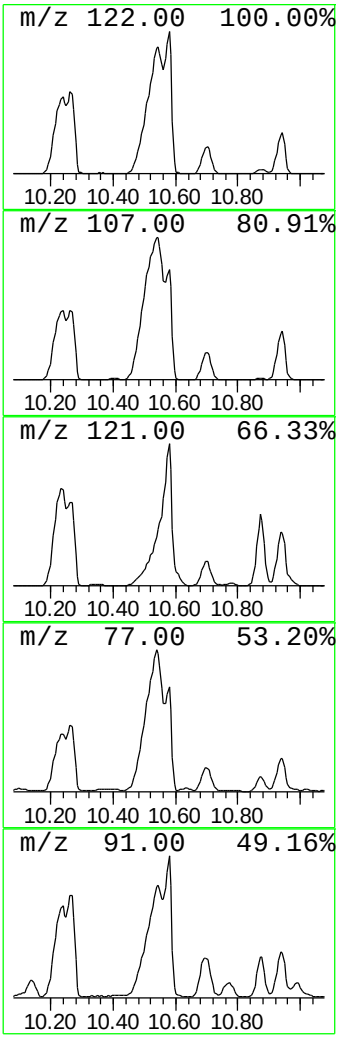
****

Peak Number 21 Benzene, 1-methoxy-2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.58	181.16 ng/ul	6902750	Naphthalene-d8	11.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methoxy-2-methyl-	122	C8H10O	000578-58-5	91
2	Phenol, 3,5-dimethyl-	122	C8H10O	000108-68-9	90
3	Phenol, 2,4-dimethyl-	122	C8H10O	000105-67-9	87
4	Phenol, 2,6-dimethyl-	122	C8H10O	000576-26-1	87
5	Benzene, 1-methoxy-4-methyl-	122	C8H10O	000104-93-8	87





Data Path : Z:\HPCHEM1\BNA G\DATA\BG102815\
Data File : BG019401.D
Acq On : 29 Oct 2015 4:03
Operator : UM/NP
Sample : G4120-16
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5LS4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

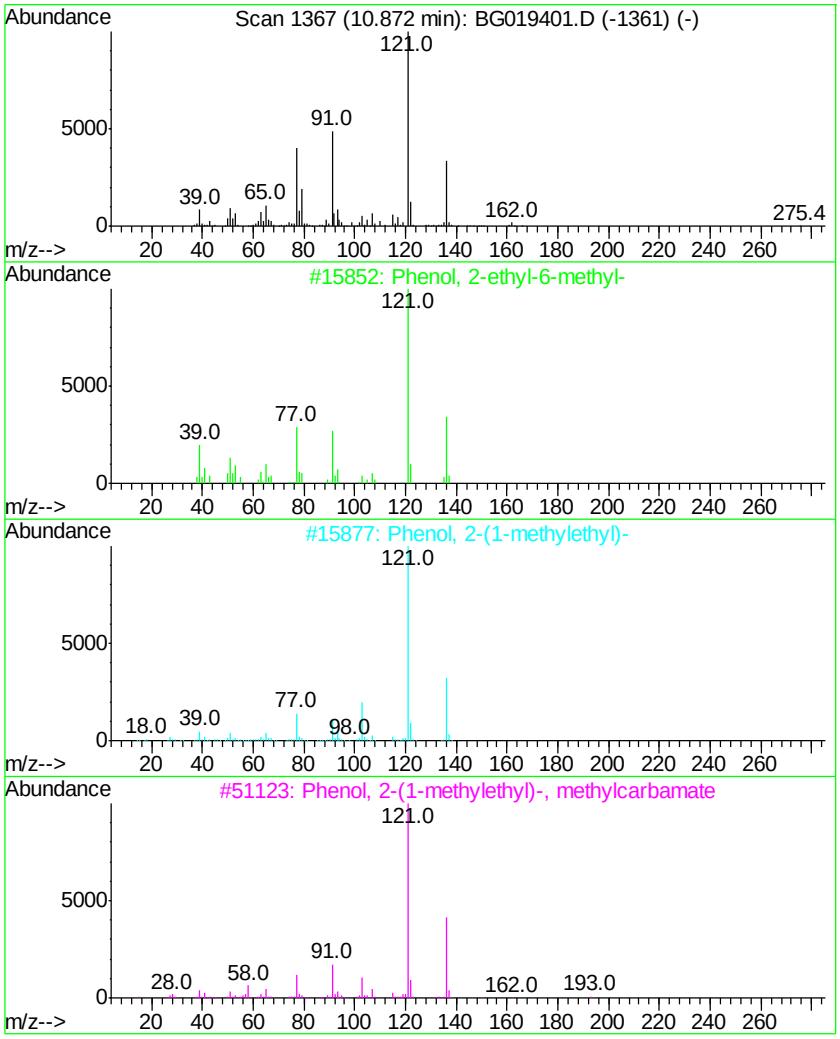
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

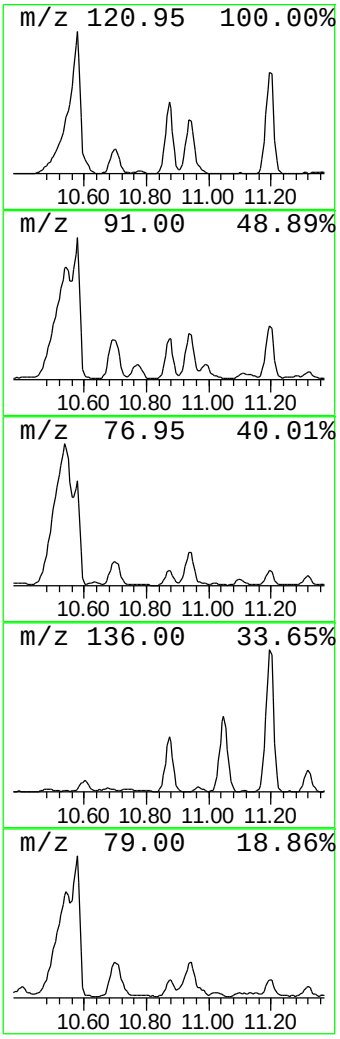
****

Peak Number 22 Phenol, 2-ethyl-6-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.87	41.80 ng/ul	1592590	Naphthalene-d8	11.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 2-ethyl-6-methyl-	136	C9H12O	001687-64-5	90
2	Phenol, 2-(1-methylethyl)-	136	C9H12O	000088-69-7	80
3	Phenol, 2-(1-methylethyl)-, meth...	193	C11H15NO2	002631-40-5	78
4	Phenol, 2-ethyl-5-methyl-	136	C9H12O	001687-61-2	72
5	Phenol, 2-(1-methylethyl)-	136	C9H12O	000088-69-7	64





Data Path : Z:\HPCHEM1\BNA G\DATA\BG102815\
Data File : BG019401.D
Acq On : 29 Oct 2015 4:03
Operator : UM/NP
Sample : G4120-16
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5LS4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

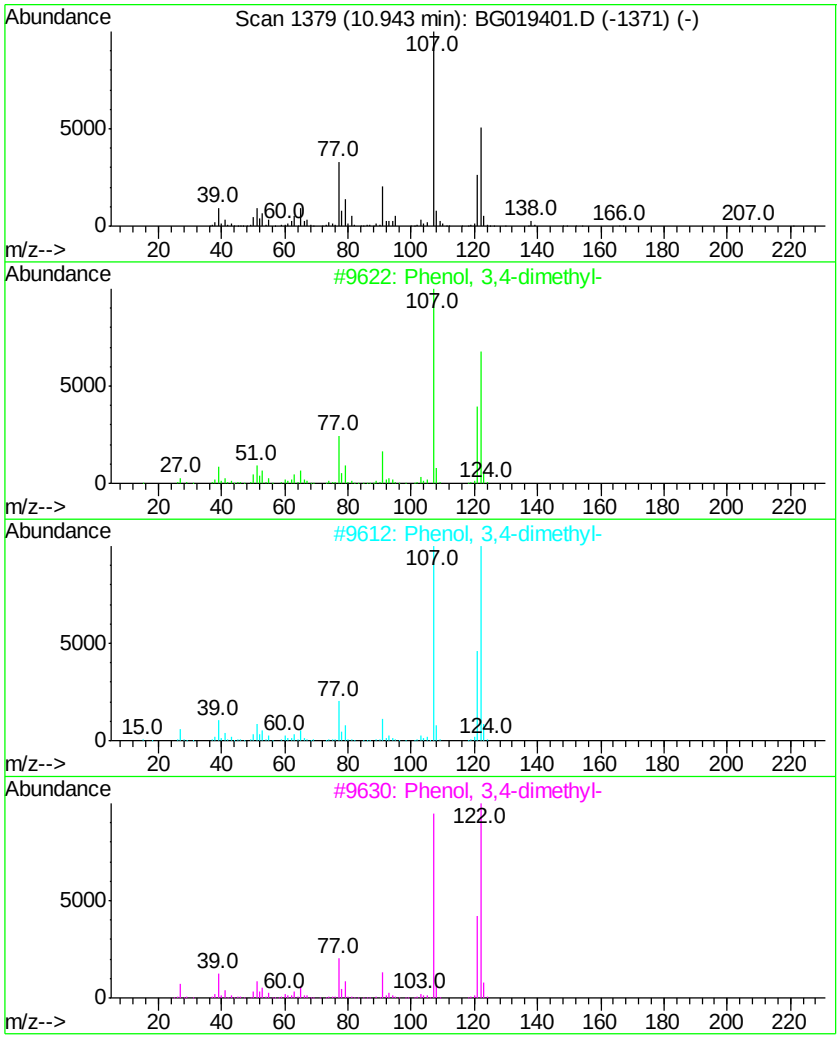
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

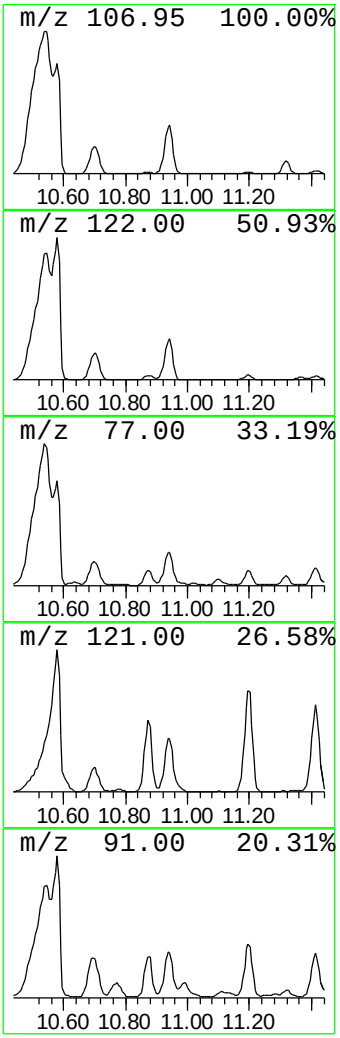
****

Peak Number 23 Phenol, 3,4-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.94	139.81 ng/ul	5327160	Naphthalene-d8	11.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 3,4-dimethyl-	122	C8H10O	000095-65-8	96
2	Phenol, 3,4-dimethyl-	122	C8H10O	000095-65-8	95
3	Phenol, 3,4-dimethyl-	122	C8H10O	000095-65-8	93
4	Phenol, 2,4-dimethyl-	122	C8H10O	000105-67-9	91
5	Phenol, 3-ethyl-	122	C8H10O	000620-17-7	90





Data Path : Z:\HPCHEM1\BNA G\DATA\BG102815\
Data File : BG019401.D
Acq On : 29 Oct 2015 4:03
Operator : UM/NP
Sample : G4120-16
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5LS4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

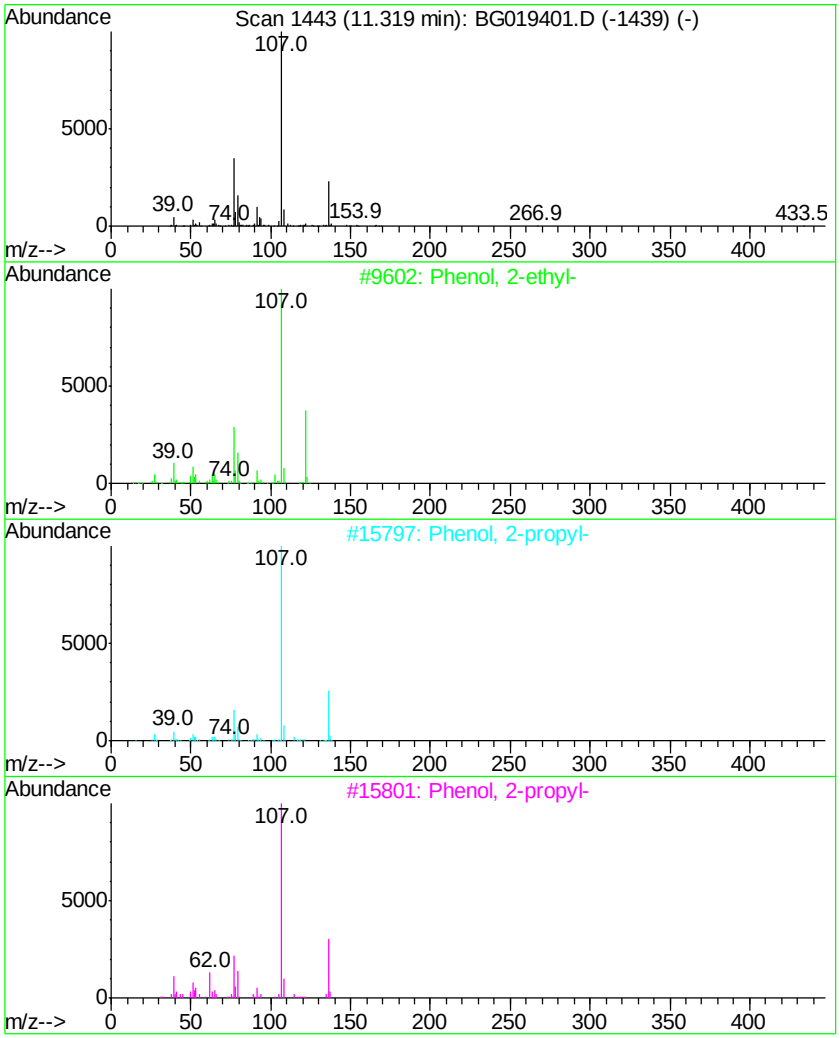
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

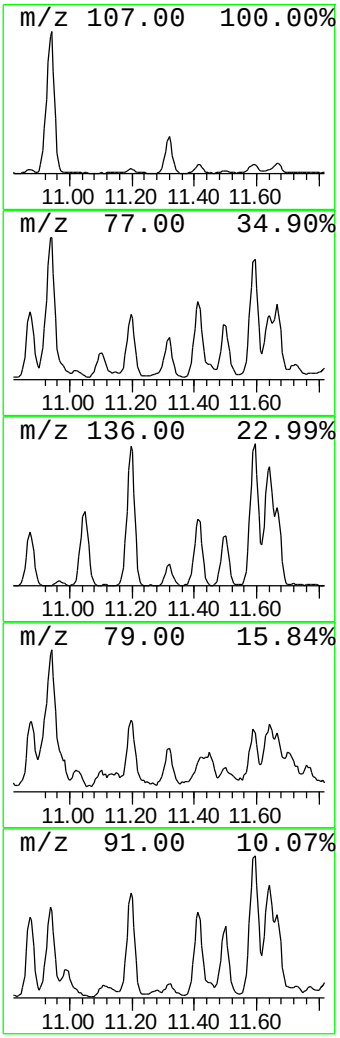
****

Peak Number 24 Phenol, 2-propyl- Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.32	17.18 ng/ul	654793	Naphthalene-d8	11.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 2-ethyl-	122	C8H10O	000090-00-6	83
2	Phenol, 2-propyl-	136	C9H12O	000644-35-9	78
3	Phenol, 2-propyl-	136	C9H12O	000644-35-9	72
4	Phenol, 2-propyl-	136	C9H12O	000644-35-9	72
5	Phenol, 3-ethyl-	122	C8H10O	000620-17-7	64





Data Path : Z:\HPCHEM1\BNA G\DATA\BG102815\
Data File : BG019401.D
Acq On : 29 Oct 2015 4:03
Operator : UM/NP
Sample : G4120-16
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5LS4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

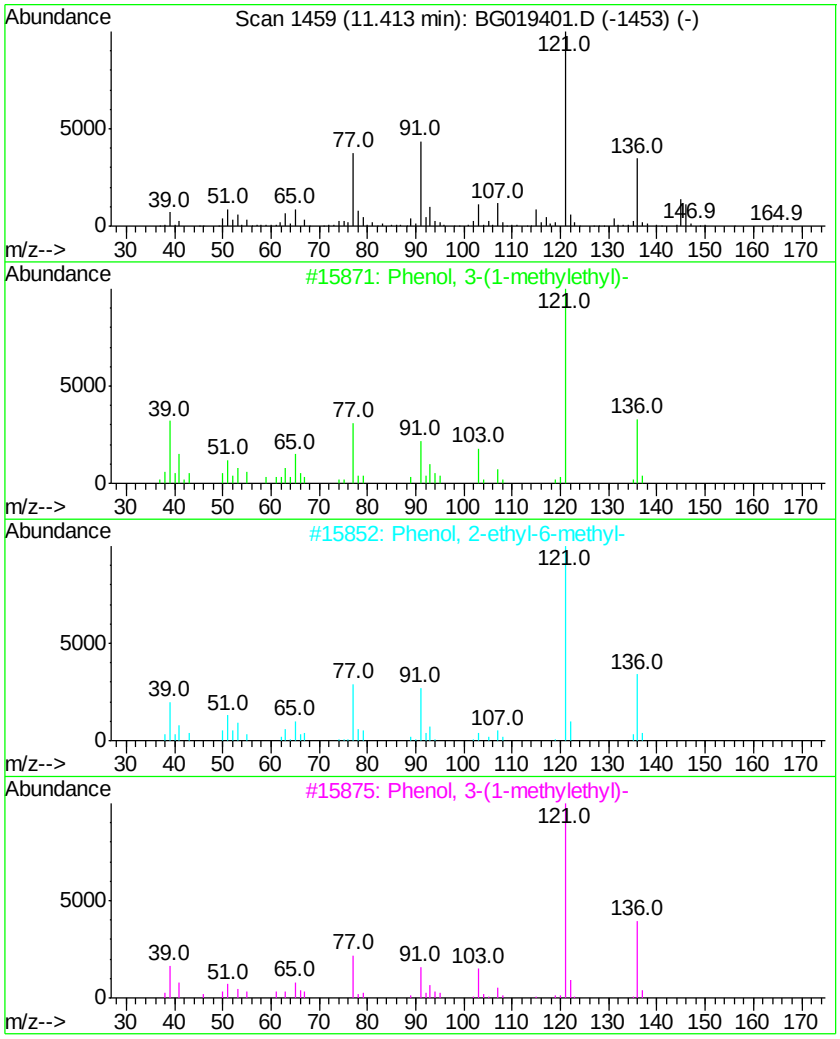
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

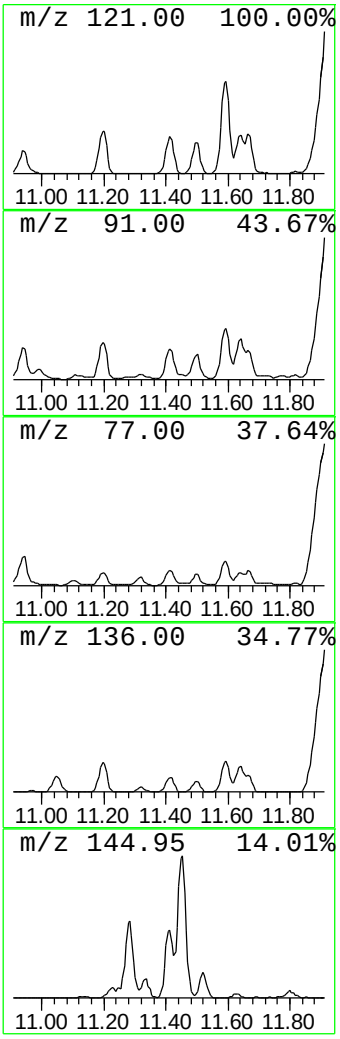
****

Peak Number 25 Phenol, 3-(1-methylethyl)- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.41	56.43 ng/ul	2150370	Naphthalene-d8	11.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 3-(1-methylethyl)-	136	C9H12O	000618-45-1	64
2	Phenol, 2-ethyl-6-methyl-	136	C9H12O	001687-64-5	59
3	Phenol, 3-(1-methylethyl)-	136	C9H12O	000618-45-1	59
4	Phenol, 4-(1-methylethyl)-	136	C9H12O	000099-89-8	58
5	Phenol, 3-(1-methylethyl)-	136	C9H12O	000618-45-1	58





Data Path : Z:\HPCHEM1\BNA G\DATA\BG102815\
Data File : BG019401.D
Acq On : 29 Oct 2015 4:03
Operator : UM/NP
Sample : G4120-16
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5LS4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

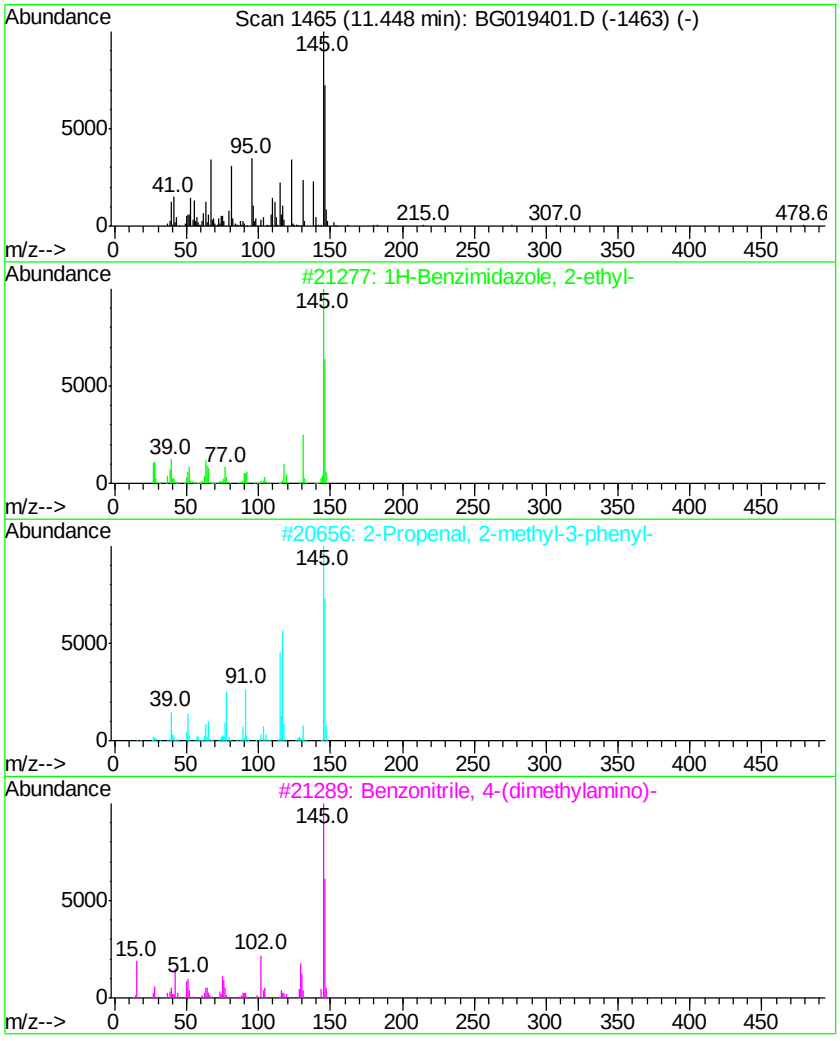
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

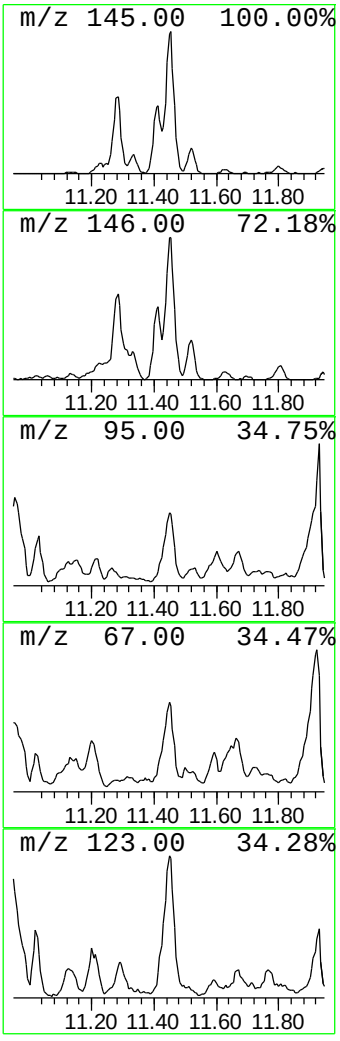
****

Peak Number 26 unknown-03 Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.45	26.14 ng/ul	996195	Naphthalene-d8	11.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Benzimidazole, 2-ethyl-	146	C9H10N2	001848-84-6	43
2	2-Propenal, 2-methyl-3-phenyl-	146	C10H10O	000101-39-3	43
3	Benzonitrile, 4-(dimethylamino)-	146	C9H10N2	001197-19-9	38
4	1H-Benzimidazole, 2-ethyl-	146	C9H10N2	001848-84-6	37
5	Benzonitrile, 4-(dimethylamino)-	146	C9H10N2	001197-19-9	35





Data Path : Z:\HPCHEM1\BNA G\DATA\BG102815\
Data File : BG019401.D
Acq On : 29 Oct 2015 4:03
Operator : UM/NP
Sample : G4120-16
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5LS4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

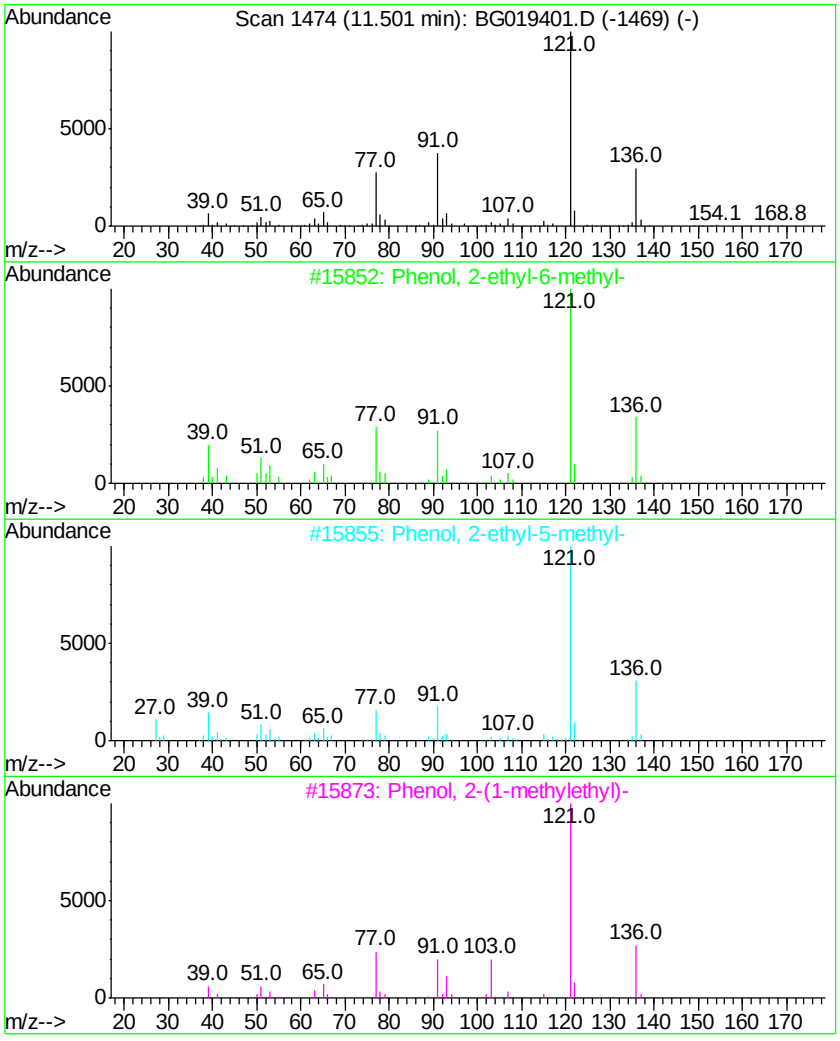
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

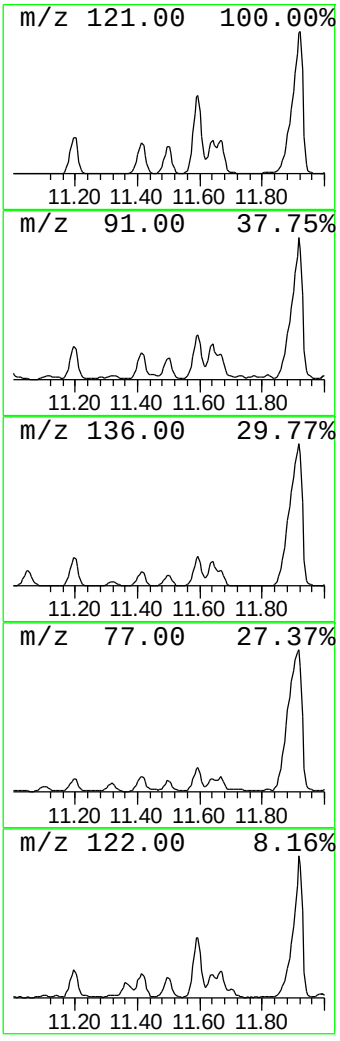
****

Peak Number 27 Phenol, 2-ethyl-5-methyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.50	39.21 ng/ul	1494210	Naphthalene-d8	11.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 2-ethyl-6-methyl-	136	C9H12O	001687-64-5	91
2	Phenol, 2-ethyl-5-methyl-	136	C9H12O	001687-61-2	87
3	Phenol, 2-(1-methylethyl)-	136	C9H12O	000088-69-7	86
4	Phenol, 2-ethyl-5-methyl-	136	C9H12O	001687-61-2	83
5	Phenol, 4-(1-methylethyl)-	136	C9H12O	000099-89-8	80





Data Path : Z:\HPCHEM1\BNA G\DATA\BG102815\
Data File : BG019401.D
Acq On : 29 Oct 2015 4:03
Operator : UM/NP
Sample : G4120-16
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5LS4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

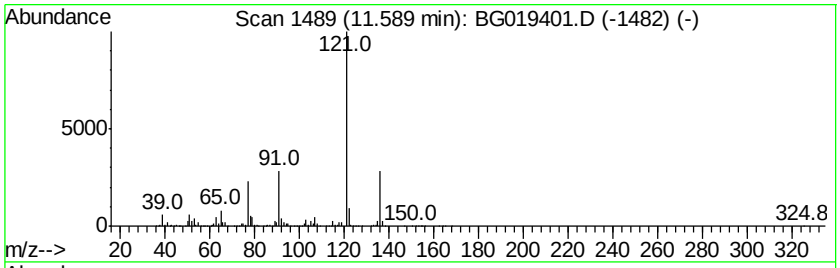
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

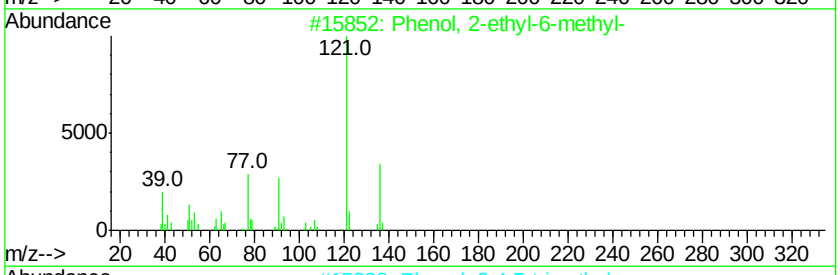
****

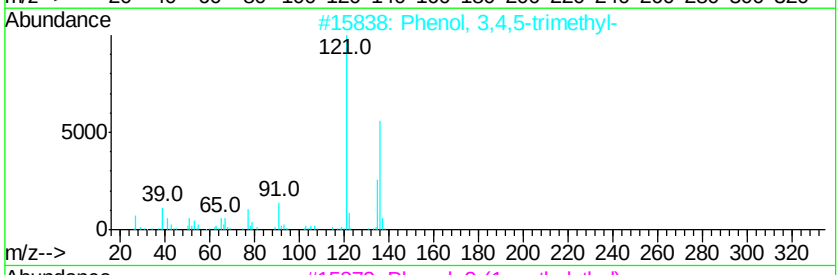
Peak Number 28 Phenol, 3,4,5-trimethyl- Concentration Rank 7

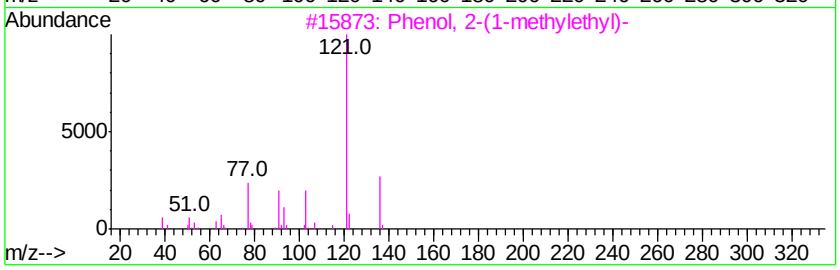
R.T.	EstConc	Area	Relative to ISTD	R.T.
11.59	103.75 ng/ul	3953260	Naphthalene-d8	11.05

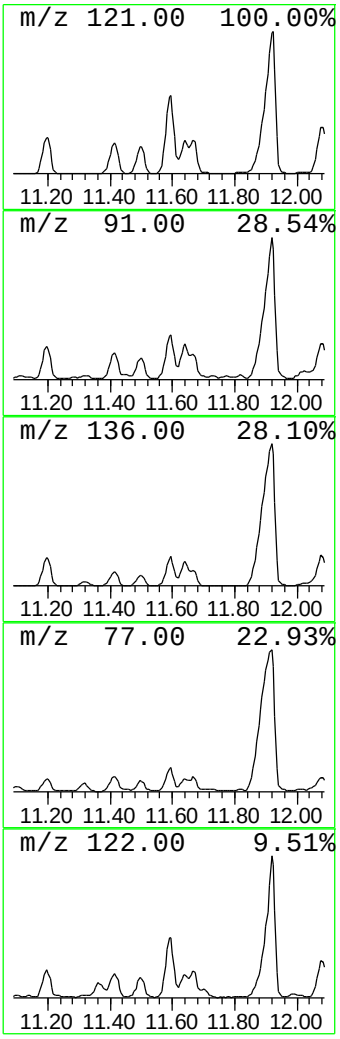
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 2-ethyl-6-methyl-	136	C9H12O	001687-64-5	94
2	Phenol, 3,4,5-trimethyl-	136	C9H12O	000527-54-8	91
3	Phenol, 2-(1-methylethyl)-	136	C9H12O	000088-69-7	90
4	Phenol, 3-(1-methylethyl)-	136	C9H12O	000618-45-1	90
5	Phenol, 4-(1-methylethyl)-	136	C9H12O	000099-89-8	90











Data Path : Z:\HPCHEM1\BNA G\DATA\BG102815\
Data File : BG019401.D
Acq On : 29 Oct 2015 4:03
Operator : UM/NP
Sample : G4120-16
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5LS4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

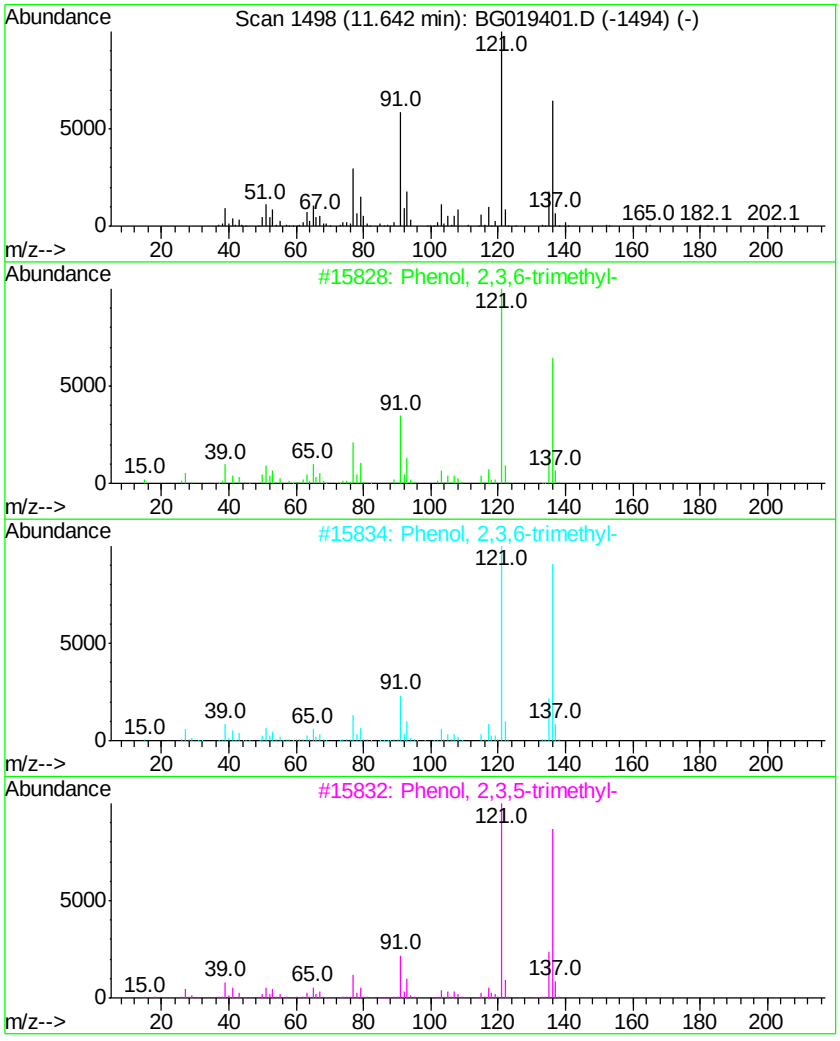
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

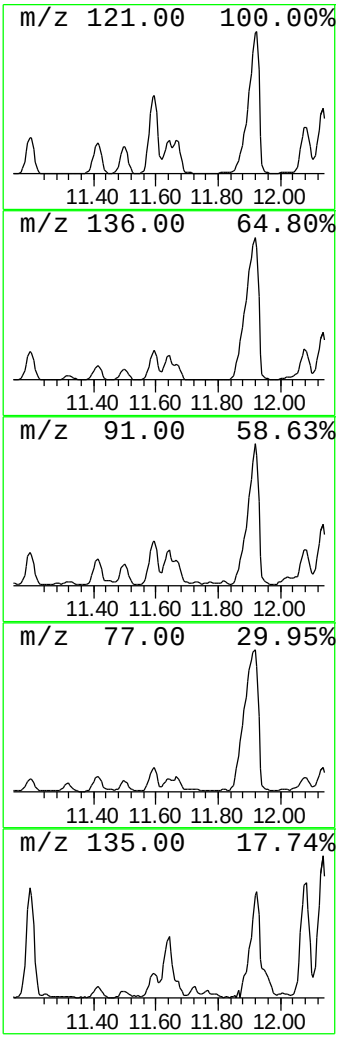
****

Peak Number 29 Phenol, 2,3,6-trimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.64	57.07 ng/ul	2174530	Naphthalene-d8	11.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 2,3,6-trimethyl-	136	C9H12O	002416-94-6	95
2	Phenol, 2,3,6-trimethyl-	136	C9H12O	002416-94-6	94
3	Phenol, 2,3,5-trimethyl-	136	C9H12O	000697-82-5	94
4	Phenol, 2,4,6-trimethyl-	136	C9H12O	000527-60-6	91
5	Phenol, 2,3,6-trimethyl-	136	C9H12O	002416-94-6	91





Data Path : Z:\HPCHEM1\BNA G\DATA\BG102815\
Data File : BG019401.D
Acq On : 29 Oct 2015 4:03
Operator : UM/NP
Sample : G4120-16
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5LS4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

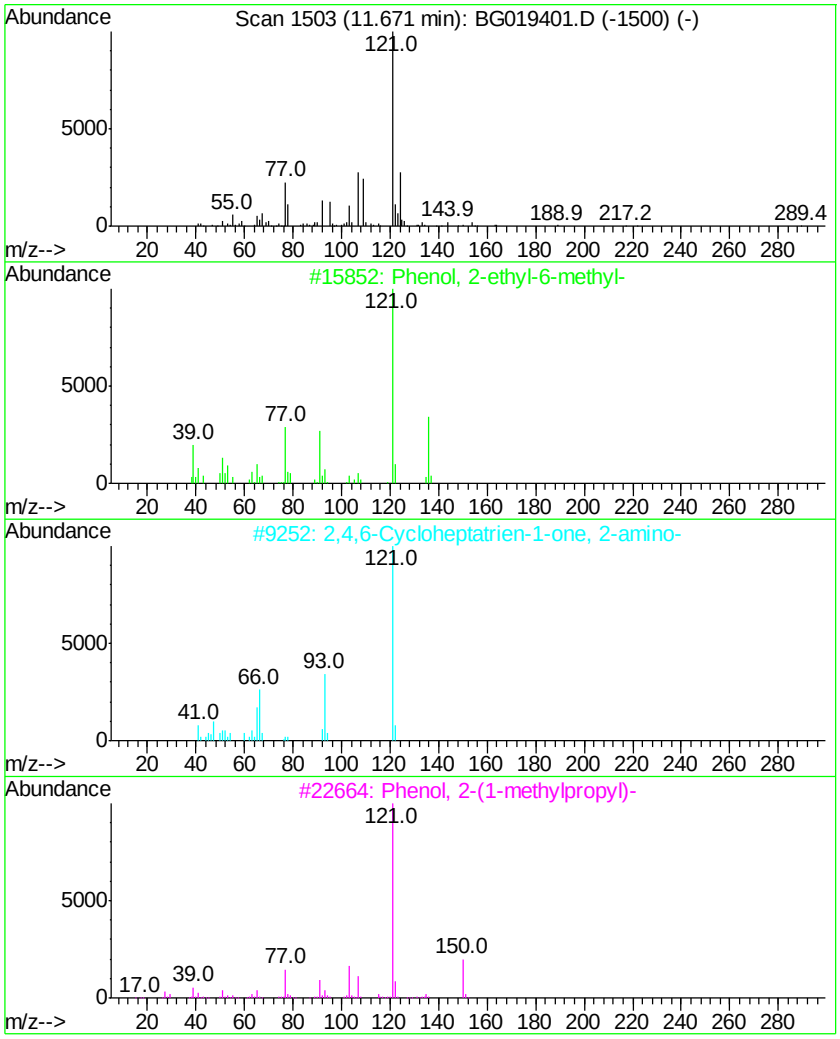
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

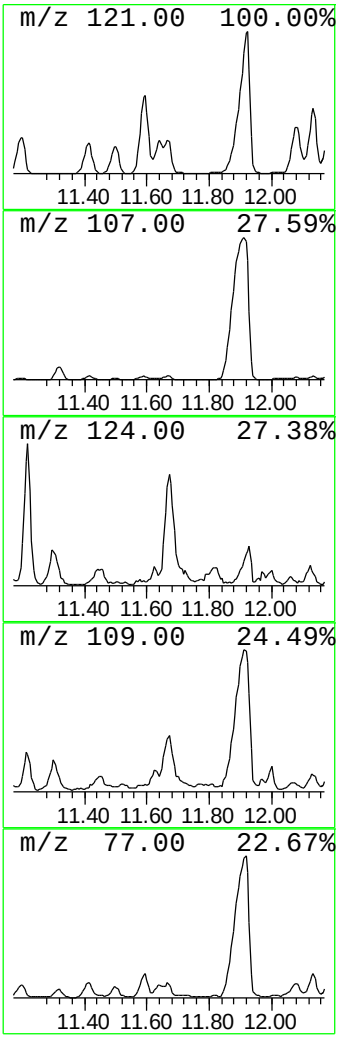
****

Peak Number 30 unknown-04 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.67	43.64 ng/ul	1663030	Naphthalene-d8	11.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 2-ethyl-6-methyl-	136	C9H12O	001687-64-5	59
2	2,4,6-Cycloheptatrien-1-one, 2-a...	121	C7H7NO	006264-93-3	47
3	Phenol, 2-(1-methylpropyl)-	150	C10H14O	000089-72-5	45
4	Phenol, 4-(1-methylpropyl)-	150	C10H14O	000099-71-8	45
5	Benzeneacetic acid, .alpha.-meth...	166	C9H10O3	007021-09-2	42





Data Path : Z:\HPCHEM1\BNA G\DATA\BG102815\
Data File : BG019401.D
Acq On : 29 Oct 2015 4:03
Operator : UM/NP
Sample : G4120-16
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5LS4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

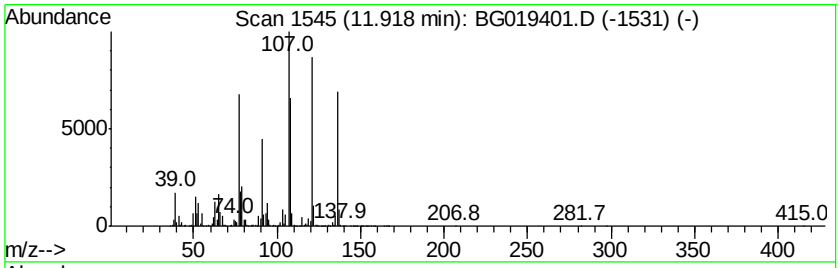
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

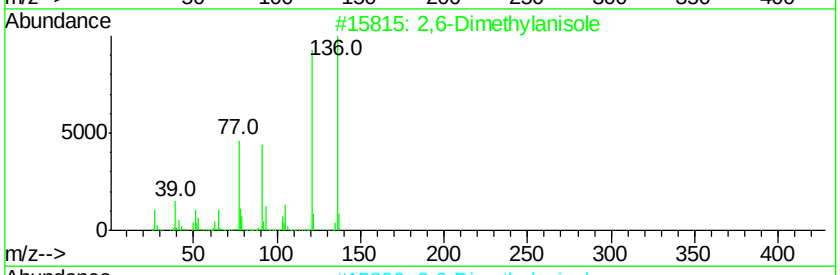
****

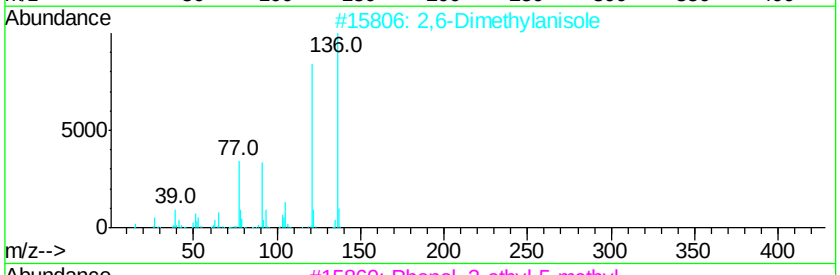
Peak Number 31 2,6-Dimethylanisole Concentration Rank 1

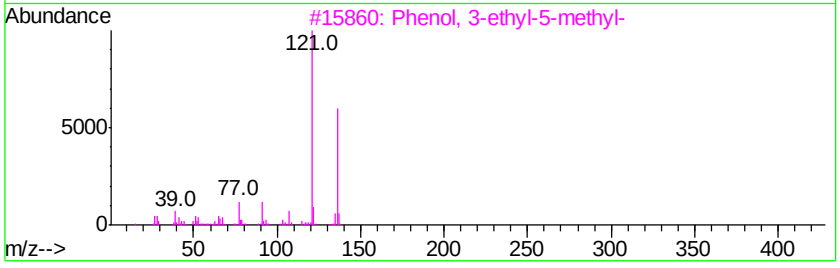
R.T.	EstConc	Area	Relative to ISTD	R.T.
11.92	769.36 ng/ul	29315500	Naphthalene-d8	11.05

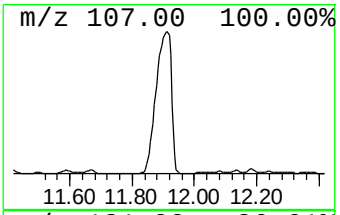
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,6-Dimethylanisole	136	C9H12O	001004-66-6	70
2	2,6-Dimethylanisole	136	C9H12O	001004-66-6	55
3	Phenol, 3-ethyl-5-methyl-	136	C9H12O	000698-71-5	55
4	Hydrazine, 1-ethyl-1-phenyl-	136	C8H12N2	000644-21-3	49
5	Phenol, 3-(1-methylethyl)-	136	C9H12O	000618-45-1	49

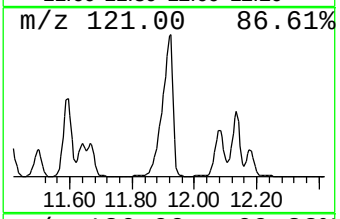


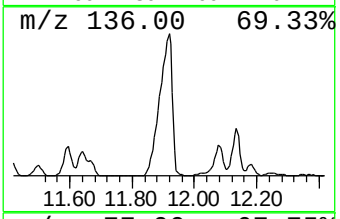


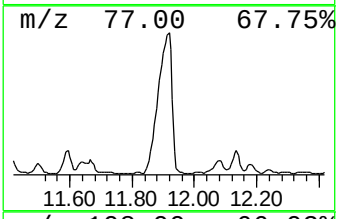


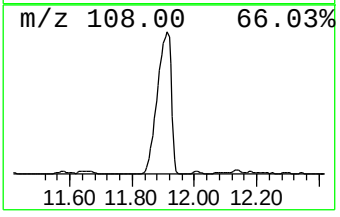












Data Path : Z:\HPCHEM1\BNA G\DATA\BG102815\
Data File : BG019401.D
Acq On : 29 Oct 2015 4:03
Operator : UM/NP
Sample : G4120-16
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5LS4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

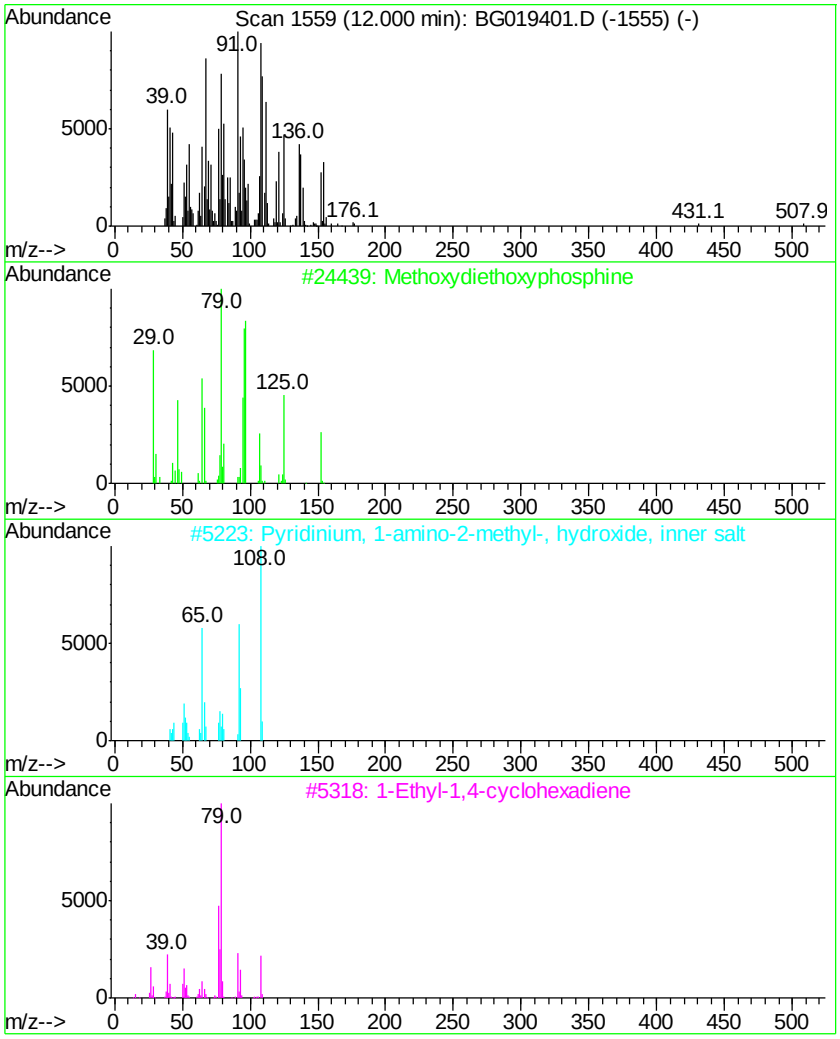
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

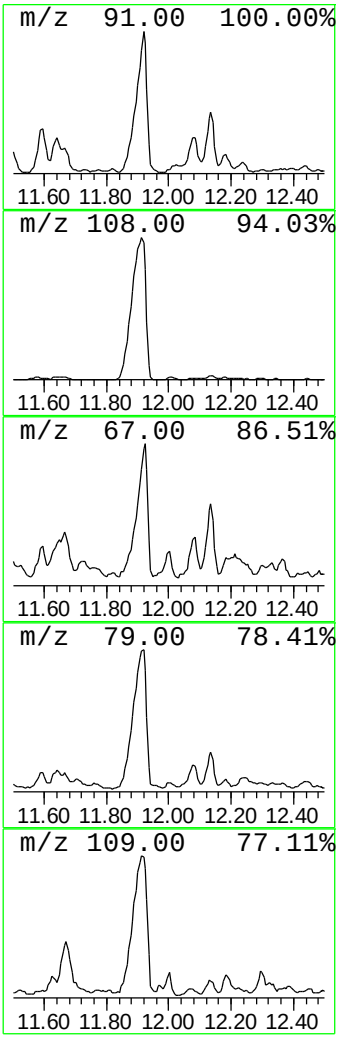
****

Peak Number 32 unknown-05 Concentration Rank 56

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.00	12.98 ng/ul	494591	Naphthalene-d8	11.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methoxydiethoxyphosphine	152	C5H13O3P	020502-41-4	45
2	Pyridinium, 1-amino-2-methyl-, h...	108	C6H8N2	051135-75-2	38
3	1-Ethyl-1,4-cyclohexadiene	108	C8H12	019841-74-8	38
4	Naphth[2,3-b]oxirene, decahydro-	152	C10H16O	021399-51-9	30
5	1,5-Cyclodecadiene, (E,Z)-	136	C10H16	001124-78-3	25





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG102815\
Data File : BG019401.D
Acq On : 29 Oct 2015 4:03
Operator : UM/NP
Sample : G4120-16
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5LS4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.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
Cyclopentanone, 2...	5.34	37.4	ng/ul	1105500	1	8.21	591552	20.0
trans-3,4-Dimethy...	6.14	24.1	ng/ul	713063	1	8.21	591552	20.0
Cyclopentanone, 2...	6.21	21.4	ng/ul	634570	1	8.21	591552	20.0
Cyclopentanone, 2...	6.92	58.5	ng/ul	1731160	1	8.21	591552	20.0
3-Ethylcyclopenta...	7.25	33.1	ng/ul	979638	1	8.21	591552	20.0
(DEL) Alkane: Cyc...	7.60	24.9	ng/ul	735438	1	8.21	591552	20.0
2-Cyclopenten-1-o...	7.81	19.7	ng/ul	582144	1	8.21	591552	20.0
unknown-01	7.93	50.7	ng/ul	1499860	1	8.21	591552	20.0
(DEL) Alkane: Cyc...	8.02	22.1	ng/ul	653109	1	8.21	591552	20.0
2-Cyclopenten-1-o...	8.56	159.9	ng/ul	4728220	1	8.21	591552	20.0
Benzene, 1-propynyl-	8.75	20.0	ng/ul	592179	1	8.21	591552	20.0
unknown-02	9.22	32.4	ng/ul	958056	1	8.21	591552	20.0
Benzaldehyde, 2-m...	9.30	29.8	ng/ul	880008	1	8.21	591552	20.0
Cyclohexane, (1-m...	9.57	92.9	ng/ul	2748420	1	8.21	591552	20.0
Phenol, 2,6-dimet...	9.66	156.8	ng/ul	5974800	2	11.05	762080	20.0
Benzofuran, 2-met...	9.77	40.0	ng/ul	1523150	2	11.05	762080	20.0
2-Cyclopenten-1-o...	9.82	19.5	ng/ul	743483	2	11.05	762080	20.0
Phenol, 2-ethyl-	10.00	61.5	ng/ul	2342470	2	11.05	762080	20.0
1,4-Heptadiene, 3...	10.36	27.9	ng/ul	1064490	2	11.05	762080	20.0
Phenol, 3-ethyl-	10.54	672.0	ng/ul	25606400	2	11.05	762080	20.0
Benzene, 1-methox...	10.58	181.2	ng/ul	6902750	2	11.05	762080	20.0
Phenol, 2-ethyl-6...	10.87	41.8	ng/ul	1592590	2	11.05	762080	20.0
Phenol, 3,4-dimet...	10.94	139.8	ng/ul	5327160	2	11.05	762080	20.0
Phenol, 2-propyl-	11.32	17.2	ng/ul	654793	2	11.05	762080	20.0
Phenol, 3-(1-meth...	11.41	56.4	ng/ul	2150370	2	11.05	762080	20.0
unknown-03	11.45	26.1	ng/ul	996195	2	11.05	762080	20.0
Phenol, 2-ethyl-5...	11.50	39.2	ng/ul	1494210	2	11.05	762080	20.0
Phenol, 3,4,5-tri...	11.59	103.8	ng/ul	3953260	2	11.05	762080	20.0
Phenol, 2,3,6-tri...	11.64	57.1	ng/ul	2174530	2	11.05	762080	20.0
unknown-04	11.67	43.6	ng/ul	1663030	2	11.05	762080	20.0
2,6-Dimethylanisole	11.92	769.4	ng/ul	29315500	2	11.05	762080	20.0
unknown-05	12.00	13.0	ng/ul	494591	2	11.05	762080	20.0