LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG100915\
Data File : BG019088.D
Acq On : 9 Oct 2015 20:34
Operator : UM/NP
Sample : G3966-06
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5LF0

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-BG100415.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	3.143	47	52	61	rBV	56167	99789	14.30%	1.489%
2	3.220	61	65	77	rVB	114881	155510	22.28%	2.320%
3	5.141	390	392	397	rVB2	1191	1514	0.22%	0.023%
4	5.752	492	496	500	rBV2	674	1033	0.15%	0.015%
5	7.192	734	741	748	rBV2	14325	23369	3.35%	0.349%
6	7.356	762	769	776	rBV	53586	86487	12.39%	1.290%
7	7.568	799	805	812	rVB	54856	91034	13.04%	1.358%
8	8.032	878	884	892	rVB	64039	107372	15.38%	1.602%
9	8.337	934	936	942	rVB3	995	1548	0.22%	0.023%
10	8.684	989	995	997	rBV4	3058	4278	0.61%	0.064%
11	8.737	997	1004	1011	rVB2	43818	73422	10.52%	1.095%
12	9.142	1070	1073	1075	rVV2	2389	2621	0.38%	0.039%
13	9.189	1075	1081	1090	rVB	75063	133188	19.08%	1.987%
14	9.301	1098	1100	1105	rVB2	1141	1536	0.22%	0.023%
15	9.460	1122	1127	1132	rBV4	4053	5682	0.81%	0.085%
16	9.583	1143	1148	1152	rBV	2462	3783	0.54%	0.056%
17	9.794	1180	1184	1190	rVB4	1287	1944	0.28%	0.029%
18	9.918	1198	1205	1213	rBV	66019	114680	16.43%	1.711%
19	10.123	1237	1240	1243	rVB2	1018	1085	0.16%	0.016%
20	10.311	1267	1272	1280	rBV2	6969	11173	1.60%	0.167%
21	10.458	1290	1297	1306	rVB	91333	155464	22.27%	2.319%
22	10.605	1319	1322	1327	rBV3	820	1201	0.17%	0.018%
23	10.664	1327	1332	1334	rBV2	2932	3686	0.53%	0.055%
24	10.840	1355	1362	1369	rVB	101532	173160	24.81%	2.584%
25	10.981	1380	1386	1392	rBV2	3535	5965	0.85%	0.089%
26	11.099	1405	1406	1411	rVB	801	1078	0.15%	0.016%
27	11.187	1418	1421	1424	rBV3	1609	1790	0.26%	0.027%
28	11.246	1428	1431	1437	rVB2	1041	1387	0.20%	0.021%
29	11.375	1448	1453	1458	rBV	6789	10682	1.53%	0.159%
30	11.416	1458	1460	1467	rVB2	3673	5815	0.83%	0.087%
31	11.663	1497	1502	1508	rBV	14230	21983	3.15%	0.328%
32	11.710	1508	1510	1515	rVB2	1627	2035	0.29%	0.030%
33	11.857	1530	1535	1538	rBV2	1874	2359	0.34%	0.035%
34	11.910	1539	1544	1548	rBV3	8786	12884	1.85%	0.192%

LSC Area Percent Report

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Operator : UM/NP
Sample : G3966-06
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5LF0

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-BG100415.M
Title : SVOA CALIBRATION

35	12.233	1596	1599	1603	rBV3	904	1325	0.19%	0.020%
36	12.333	1613	1616	1620	rBV2	1004	1444	0.21%	0.022%
37	12.427	1628	1632	1634	rVB3	1614	1802	0.26%	0.027%
38	12.527	1645	1649	1653	rVB3	4292	5502	0.79%	0.082%
39	12.591	1656	1660	1665	rVV5	1441	3361	0.48%	0.050%
40	12.626	1665	1666	1671	rVB3	1476	1322	0.19%	0.020%
41	12.709	1675	1680	1683	rBV2	1612	2259	0.32%	0.034%
42	12.809	1694	1697	1700	rBV2	1877	2072	0.30%	0.031%
43	12.856	1700	1705	1712	rVB4	6331	12205	1.75%	0.182%
44	12.926	1712	1717	1720	rBV5	2045	2941	0.42%	0.044%
45	13.020	1729	1733	1739	rBV5	2731	5205	0.75%	0.078%
46	13.079	1739	1743	1747	rVV3	4689	7244	1.04%	0.108%
47	13.126	1747	1751	1755	rVV3	2385	3289	0.47%	0.049%
48	13.173	1757	1759	1763	rVB3	1456	1356	0.19%	0.020%
49	13.261	1772	1774	1776	rBV	960	1075	0.15%	0.016%
50	13.343	1783	1788	1794	rVB3	581	1098	0.16%	0.016%
51	13.402	1794	1798	1800	rBV2	1467	1445	0.21%	0.022%
52	13.449	1803	1806	1812	rVB3	1180	2184	0.31%	0.033%
53	13.537	1816	1821	1823	rBV3	947	1432	0.21%	0.021%
54	13.625	1832	1836	1842	rVB3	4055	6532	0.94%	0.097%
55	13.790	1860	1864	1867	rBV5	3898	5319	0.76%	0.079%
56	13.831	1867	1871	1880	rVB5	4383	8920	1.28%	0.133%
57	13.907	1880	1884	1885	rBV2	1159	1655	0.24%	0.025%
58	13.919	1885	1886	1892	rVB3	1828	1808	0.26%	0.027%
59	13.990	1894	1898	1901	rBV3	1546	2737	0.39%	0.041%
60	14.066	1905	1911	1920	rVB	216188	307176	44.01%	4.583%
61	14.154	1922	1926	1931	rVB5	4548	5664	0.81%	0.085%
62	14.236	1934	1940	1941	rBV	1714	2566	0.37%	0.038%
63	14.283	1945	1948	1949	rBV3	930	1024	0.15%	0.015%
64	14.354	1954	1960	1967	rBV	220628	336674	48.24%	5.023%
65	14.518	1986	1988	1993	rVB3	1211	1641	0.24%	0.024%
66	14.665	2006	2013	2020	rBV3	170346	287452	41.18%	4.289%
67	14.730	2020	2024	2028	rBV3	4627	6436	0.92%	0.096%
68	14.853	2034	2045	2052	rVB2	24736	42584	6.10%	0.635%
69	14.953	2059	2062	2066	rBV	1738	2109	0.30%	0.031%
70	15.194	2099	2103	2107	rBV2	1226	1945	0.28%	0.029%
71	15.441	2142	2145	2148	rBV2	1465	1930	0.28%	0.029%

LSC Area Percent Report

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Operator : UM/NP
Sample : G3966-06
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5LF0

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-BG100415.M
Title : SVOA CALIBRATION

72	15.541	2157	2162	2166	rVB3	866	1126	0.16%	0.017%
73	15.599	2166	2172	2174	rBV3	1447	2663	0.38%	0.040%
74	15.652	2174	2181	2190	rVB	313851	462856	66.31%	6.906%
75	15.764	2194	2200	2206	rVV	115224	161945	23.20%	2.416%
76	15.864	2212	2217	2220	rBV	7755	11221	1.61%	0.167%
77	15.899	2220	2223	2226	rVV2	3925	5190	0.74%	0.077%
78	15.958	2226	2233	2238	rVV	229237	286881	41.10%	4.280%
79	16.005	2239	2241	2247	rVV3	2083	3133	0.45%	0.047%
80	16.087	2250	2255	2258	rVV2	2490	4083	0.58%	0.061%
81	16.328	2290	2296	2297	rBV	1115	1376	0.20%	0.021%
82	16.704	2356	2360	2363	rVB2	846	1118	0.16%	0.017%
83	17.186	2440	2442	2448	rVB	1294	1737	0.25%	0.026%
84	17.409	2473	2480	2486	rBV2	257923	380329	54.49%	5.674%
85	17.509	2490	2497	2503	rVB	373181	544558	78.02%	8.125%
86	17.685	2525	2527	2531	rVB2	1126	1364	0.20%	0.020%
87	17.779	2539	2543	2550	rVB2	11330	15764	2.26%	0.235%
88	18.308	2629	2633	2636	rBV2	1524	1895	0.27%	0.028%
89	18.367	2638	2643	2648	rVB3	1116	1791	0.26%	0.027%
90	19.107	2768	2769	2774	rBV2	710	1180	0.17%	0.018%
91	19.430	2820	2824	2828	rBV2	5357	7859	1.13%	0.117%
92	19.683	2863	2867	2870	rVB2	3236	3802	0.54%	0.057%
93	19.718	2870	2873	2875	rVB4	1797	1869	0.27%	0.028%
94	19.794	2879	2886	2892	rBV	496572	697974	100.00%	10.414%
95	20.488	3002	3004	3005	rBV2	1779	1357	0.19%	0.020%
96	21.680	3200	3207	3214	rBV	326192	519593	74.44%	7.752%
97	23.302	3478	3483	3491	rVB4	18040	34599	4.96%	0.516%
98	24.689	3710	3719	3730	rVB	246267	680599	97.51%	10.154%
99	24.912	3748	3757	3766	rBV	165515	458653	65.71%	6.843%
100	31.310	4844	4846	4849	rBV4	2945	2709	0.39%	0.040%

Sum of corrected areas: 6702494

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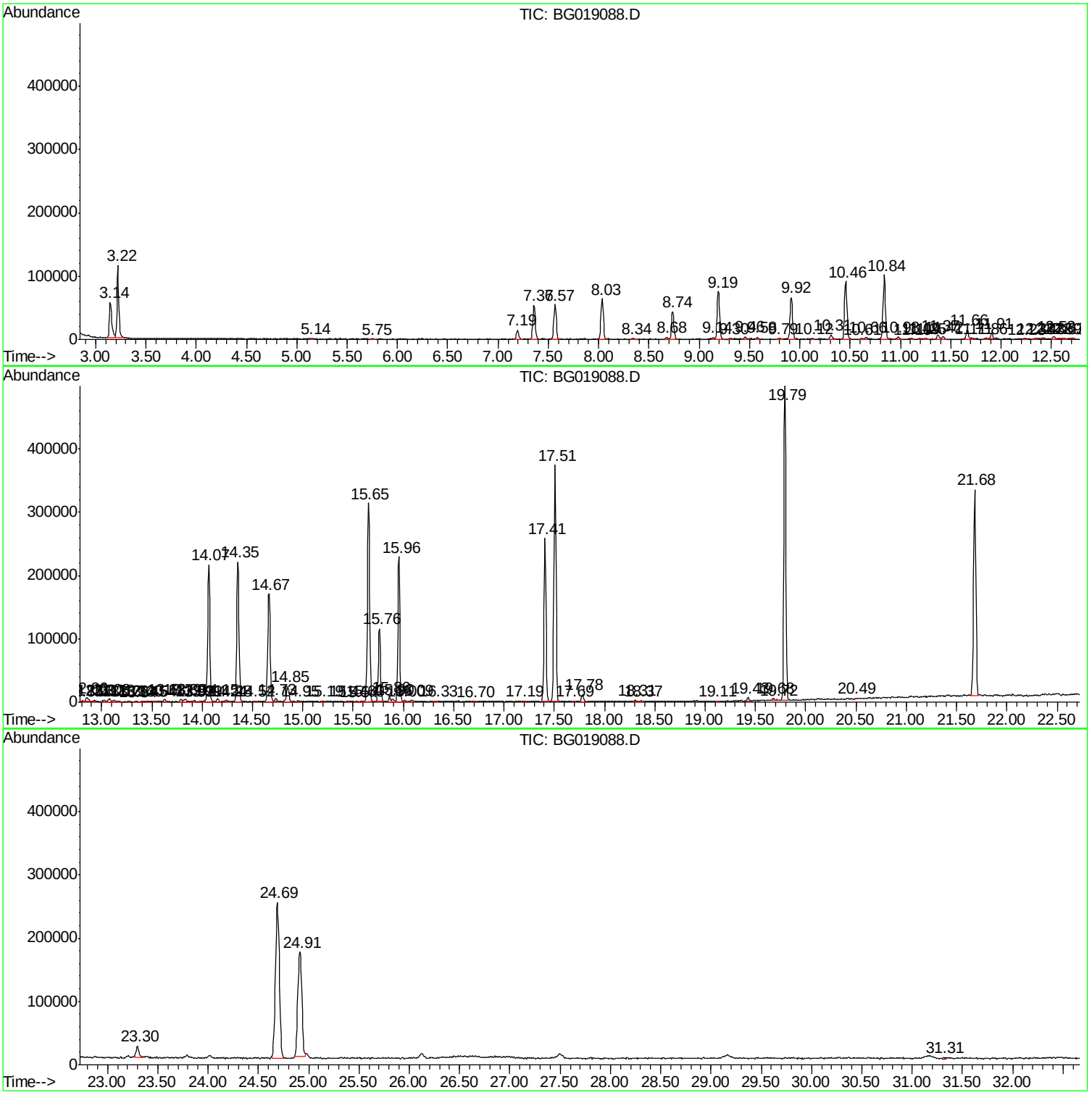
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
E5LF0

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG100415.M
Quant Title : SVOA CALIBRATION

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



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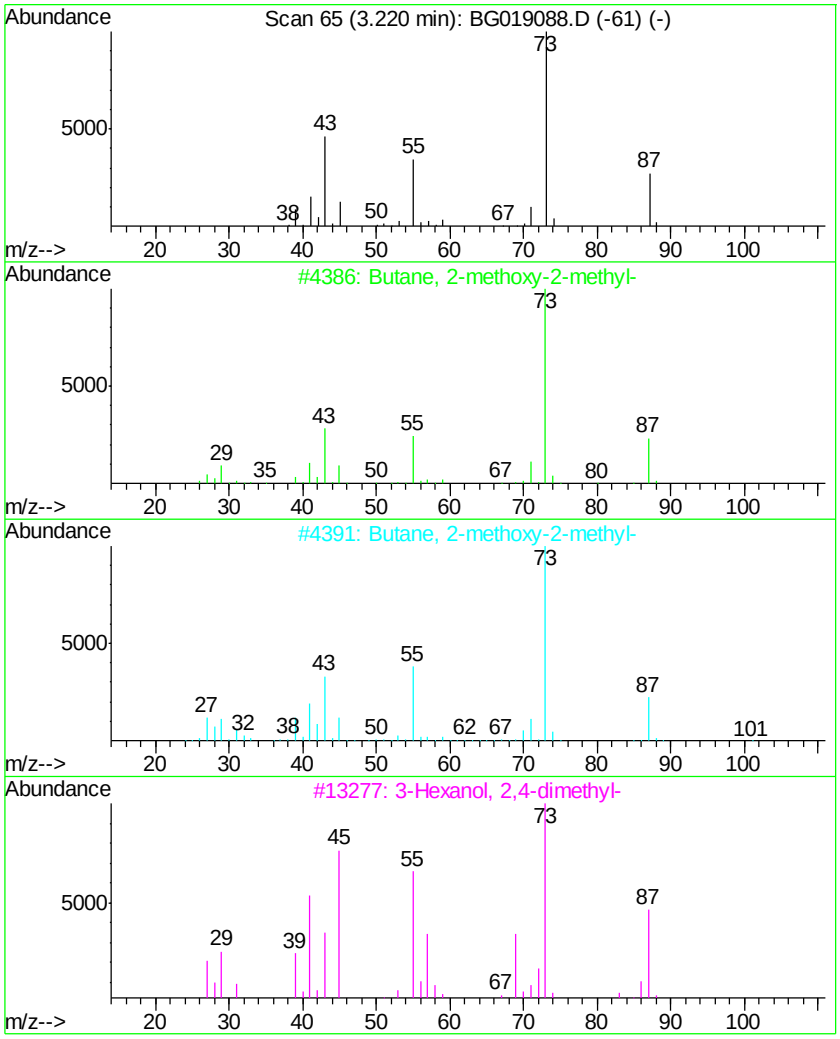
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

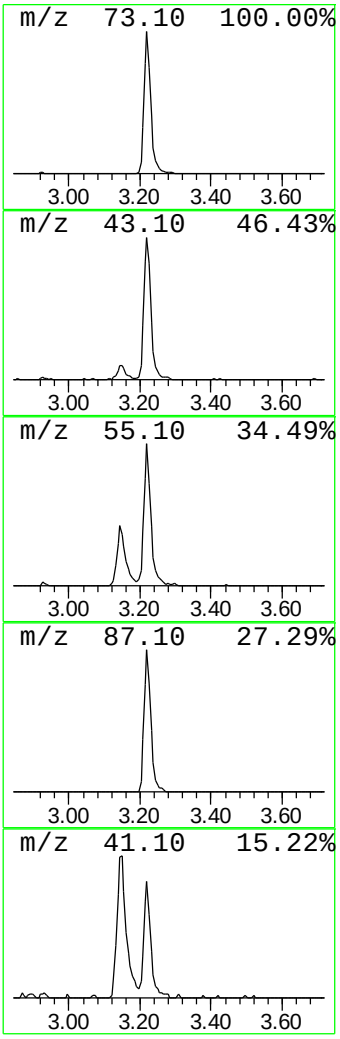
****

Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.22	28.97 ng/ul	155510	1,4-Dichlorobenzene-d4	8.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	64
3	3-Hexanol, 2,4-dimethyl-	130	C8H18O	013432-25-2	42
4	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	38
5	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	9





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Acq On : 9 Oct 2015 20:34
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Sample : G3966-06
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5LF0

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG100415.M
Quant Title : SVOA CALIBRATION

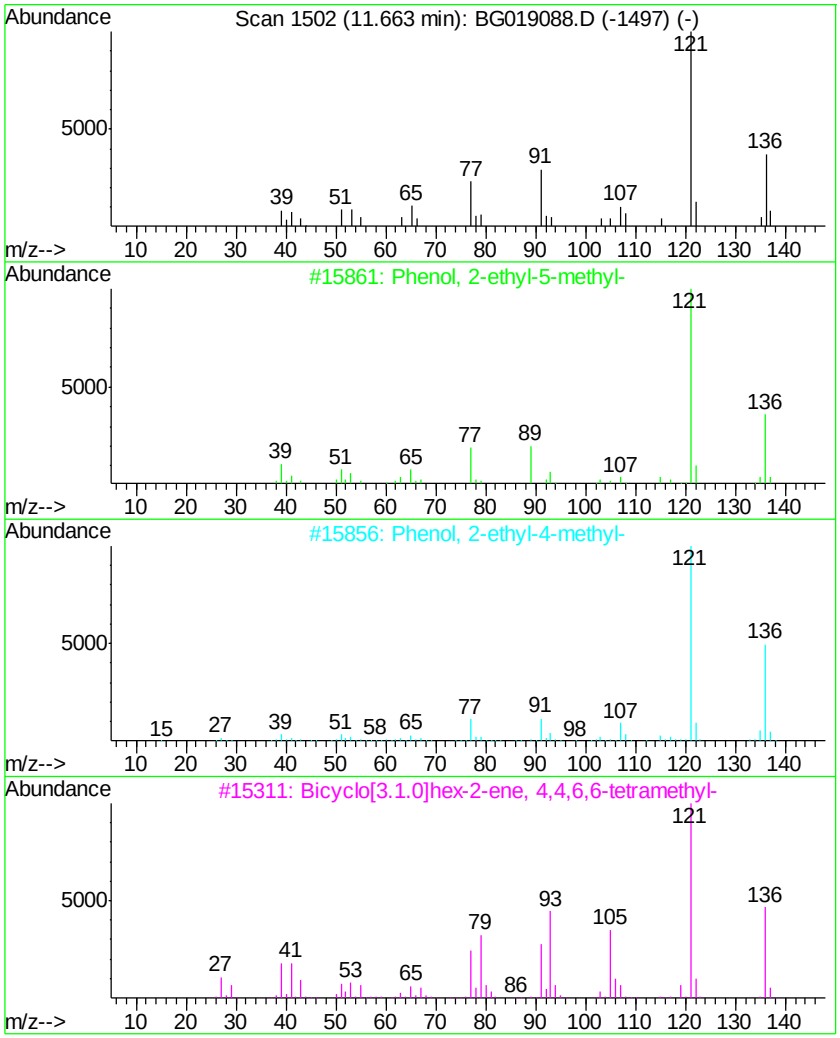
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

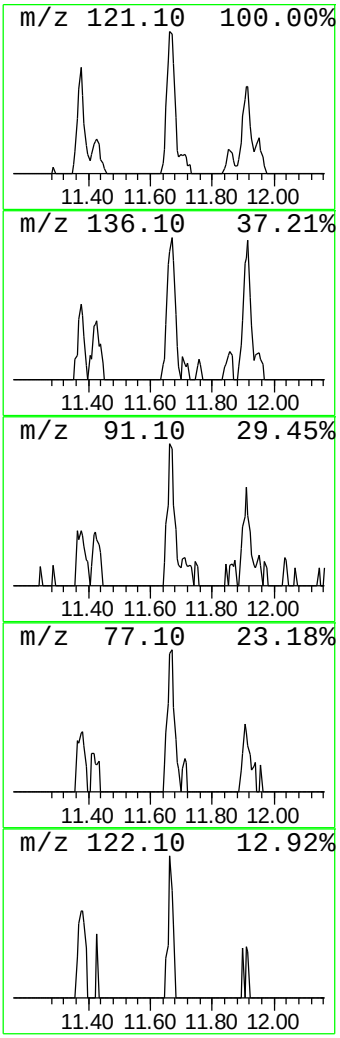
****

Peak Number 3 Phenol, 2-ethyl-5-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.66	2.54 ng/ul	21983	Naphthalene-d8	10.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 2-ethyl-5-methyl-	136	C9H12O	001687-61-2	90
2	Phenol, 2-ethyl-4-methyl-	136	C9H12O	003855-26-3	90
3	Bicyclo[3.1.0]hex-2-ene, 4,4,6,6...	136	C10H16	019487-09-3	86
4	Phenol, 2-ethyl-5-methyl-	136	C9H12O	001687-61-2	86
5	2,4,6-Octatriene, 2,6-dimethyl-,...	136	C10H16	007216-56-0	86





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Acq On : 9 Oct 2015 20:34
Operator : UM/NP
Sample : G3966-06
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5LF0

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG100415.M
Quant Title : SVOA CALIBRATION

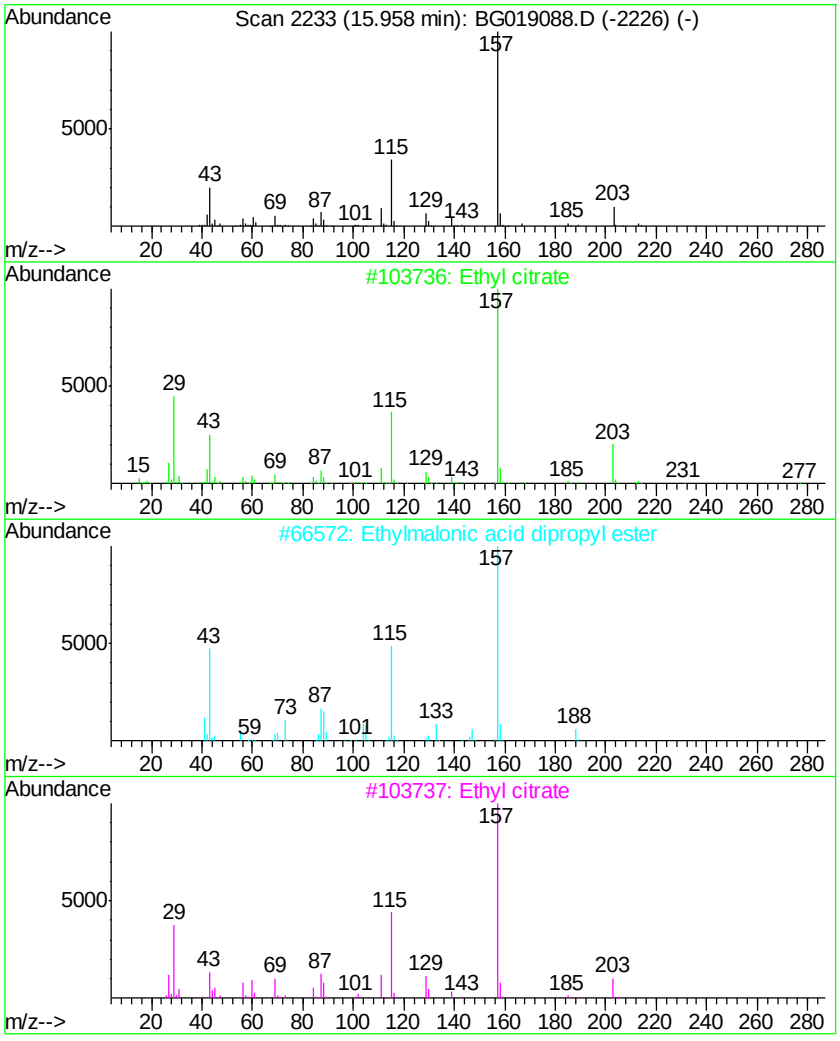
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

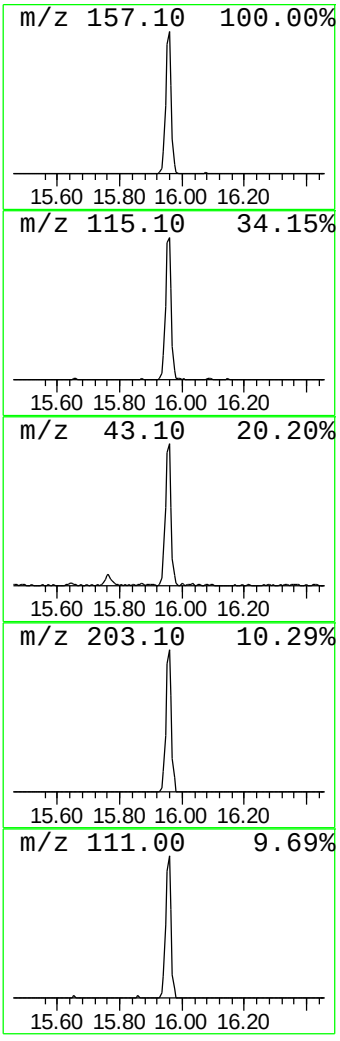
****

Peak Number 4 Ethyl citrate Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.96	19.96 ng/ul	286881	Acenaphthene-d10	14.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethyl citrate	276	C12H20O7	000077-93-0	87
2	Ethylmalonic acid dipropyl ester	216	C11H20O4	001113-91-3	59
3	Ethyl citrate	276	C12H20O7	000077-93-0	53
4	Ethyl citrate	276	C12H20O7	000077-93-0	53
5	Ethyl citrate	276	C12H20O7	000077-93-0	50





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG100915\
Data File : BG019088.D
Acq On : 9 Oct 2015 20:34
Operator : UM/NP
Sample : G3966-06
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5LF0

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG100415.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...	3.22	29.0	ng/ul	155510	1	8.03	107372	20.0
Phenol, 2-ethyl-5...	11.66	2.5	ng/ul	21983	2	10.84	173160	20.0
Ethyl citrate	15.96	20.0	ng/ul	286881	3	14.66	287452	20.0