LSC Area Percent Report

Data Path : S:\HPCHEM1\BNA_M\DATA\BM072015\
Data File : BM001970.D
Acq On : 20 Jul 2015 12:37
Operator : TP/UM
Sample : G3002-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02N9

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 : S:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM071315.M
Title : SVOA CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.940	40	43	46	rBV	5023	5125	0.23%	0.026%
2	5.163	415	421	424	rBV2	3056	3590	0.16%	0.019%
3	6.816	696	702	711	rBV	58759	96651	4.43%	0.499%
4	6.987	726	731	740	rVB	207121	328407	15.04%	1.695%
5	7.181	756	764	772	rBV	232456	355933	16.30%	1.837%
6	7.651	836	844	850	rBV	268619	423076	19.37%	2.184%
7	7.710	850	854	862	rVB	31330	47514	2.18%	0.245%
8	8.263	946	948	953	rVB2	1794	2347	0.11%	0.012%
9	8.357	958	964	972	rBV	184639	285070	13.05%	1.471%
10	8.475	978	984	991	rVB	11493	18633	0.85%	0.096%
11	8.745	1022	1030	1035	rBV	139712	216750	9.92%	1.119%
12	8.810	1035	1041	1048	rVV	291645	458632	21.00%	2.367%
13	9.528	1157	1163	1170	rBV	244765	396754	18.17%	2.048%
14	10.063	1247	1254	1265	rVB	377687	608454	27.86%	3.141%
15	10.357	1300	1304	1307	rVB2	4441	5967	0.27%	0.031%
16	10.439	1310	1318	1324	rBV	384890	647588	29.65%	3.343%
17	10.486	1324	1326	1333	rVB2	19482	27494	1.26%	0.142%
18	10.581	1338	1342	1349	rVB	24902	36175	1.66%	0.187%
19	11.616	1513	1518	1522	rBV3	3636	5086	0.23%	0.026%
20	11.698	1528	1532	1536	rBV	3840	4796	0.22%	0.025%
21	12.075	1592	1596	1605	rBV	15072	25618	1.17%	0.132%
22	12.657	1690	1695	1700	rVB2	2690	4273	0.20%	0.022%
23	12.904	1732	1737	1741	rVB3	7946	10715	0.49%	0.055%
24	13.227	1785	1792	1798	rBV	76553	105424	4.83%	0.544%
25	13.722	1867	1876	1882	rBV	737320	1011658	46.32%	5.222%
26	13.998	1916	1923	1933	rBV	880284	1241770	56.85%	6.409%
27	14.169	1949	1952	1956	rVB2	6182	7994	0.37%	0.041%
28	14.310	1970	1976	1984	rVB2	662681	973001	44.55%	5.022%
29	14.392	1987	1990	1992	rBV3	3449	3133	0.14%	0.016%
30	14.510	2005	2010	2020	rBV2	51760	74823	3.43%	0.386%
31	14.904	2073	2077	2082	rVB	6809	8691	0.40%	0.045%
32	14.980	2087	2090	2095	rVV2	2638	3708	0.17%	0.019%
33	15.027	2095	2098	2104	rVV2	4634	6049	0.28%	0.031%
34	15.110	2107	2112	2114	rVV2	3769	5383	0.25%	0.028%

LSC Area Percent Report

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Acq On : 20 Jul 2015 12:37
Operator : TP/UM
Sample : G3002-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02N9

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 : S:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM071315.M
Title : SVOA CALIBRATION

35	15.133	2114	2116	2121	rVB	6944	7532	0.34%	0.039%
36	15.304	2138	2145	2152	rVB	1153991	1605940	73.53%	8.289%
37	15.427	2161	2166	2173	rBV	312602	416918	19.09%	2.152%
38	15.539	2181	2185	2191	rVB	3271	5609	0.26%	0.029%
39	15.674	2204	2208	2211	rVB	9262	10971	0.50%	0.057%
40	16.839	2401	2406	2411	rVB2	2170	3396	0.16%	0.018%
41	17.057	2437	2443	2449	rBV	891808	1216435	55.69%	6.279%
42	17.157	2453	2460	2471	rBV	1359447	1867842	85.52%	9.641%
43	17.339	2488	2491	2495	rVB	4832	6228	0.29%	0.032%
44	17.721	2552	2556	2561	rBV	134583	158659	7.26%	0.819%
45	17.945	2591	2594	2597	rBV2	6022	5723	0.26%	0.030%
46	18.027	2604	2608	2612	rBV	8643	10796	0.49%	0.056%
47	19.345	2826	2832	2836	rBV	9537	12791	0.59%	0.066%
48	19.462	2845	2852	2859	rBV	1596247	2184114	100.00%	11.273%
49	19.698	2888	2892	2895	rVB3	3201	3764	0.17%	0.019%
50	20.027	2946	2948	2952	rBV3	1492	2254	0.10%	0.012%
51	20.468	3019	3023	3026	rBV2	2276	2394	0.11%	0.012%
52	20.809	3077	3081	3082	rBV3	3416	4187	0.19%	0.022%
53	21.050	3119	3122	3125	rVB	9670	11743	0.54%	0.061%
54	21.256	3152	3157	3168	rBV	1118967	1411170	64.61%	7.284%
55	22.292	3329	3333	3338	rBV4	18397	26253	1.20%	0.136%
56	22.744	3408	3410	3415	rVB5	7976	11555	0.53%	0.060%
57	23.344	3504	3512	3522	rVB2	982422	1769943	81.04%	9.136%
58	23.486	3529	3536	3544	rVB	642321	1161766	53.19%	5.996%

Sum of corrected areas: 19374265

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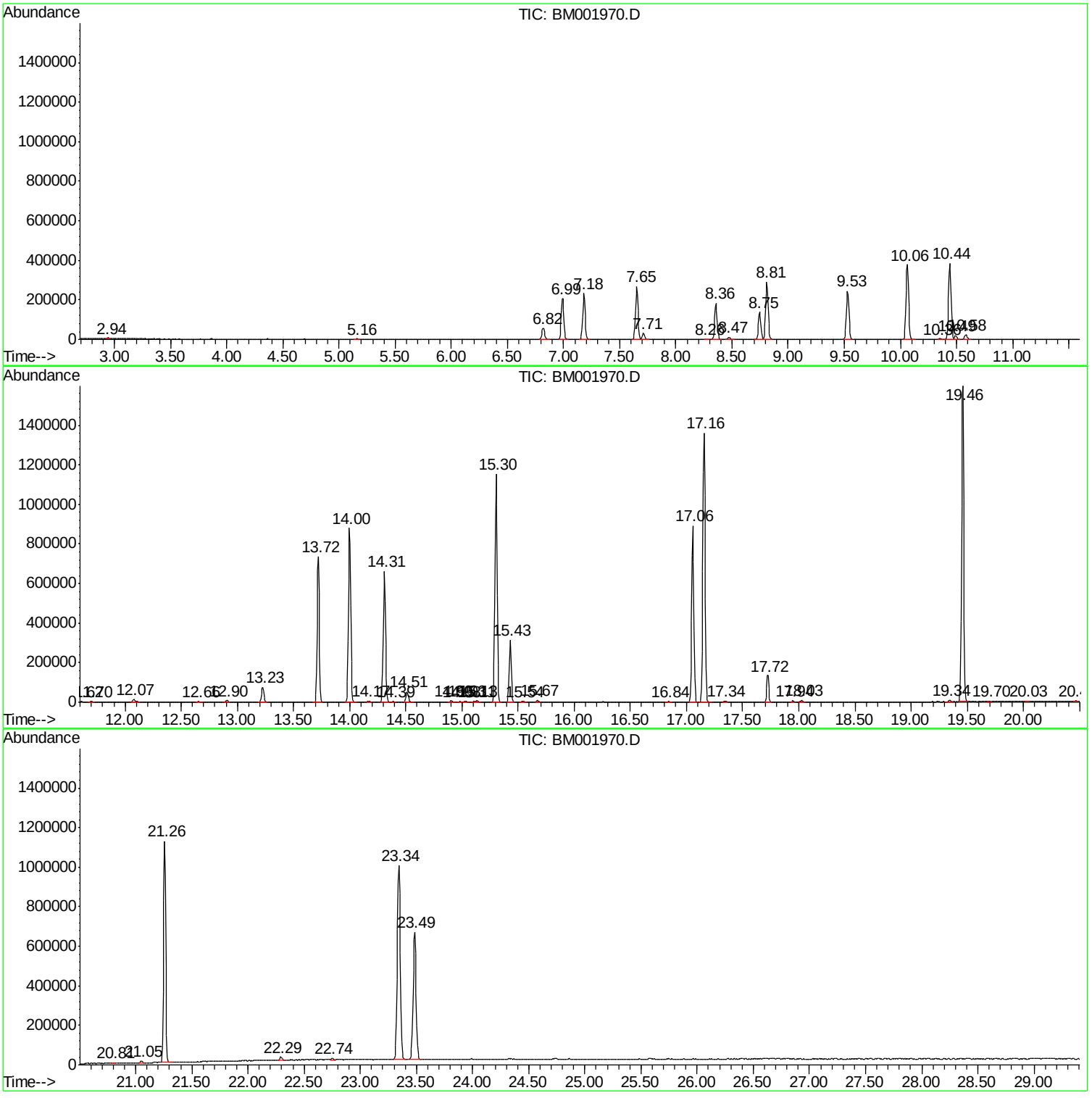
Instrument :
BNA_M
ClientSampleId :
C02N9

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM071315.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

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Sample : G3002-02
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ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02N9

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Quant Title : SVOA CALIBRATION

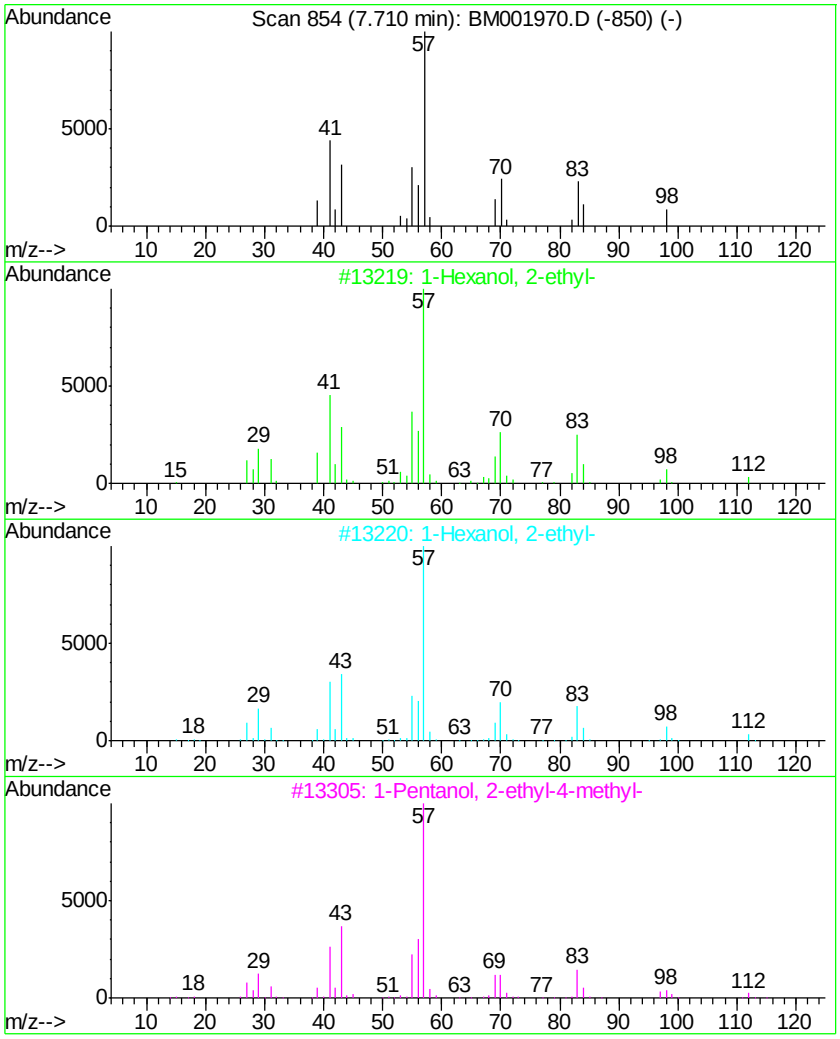
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

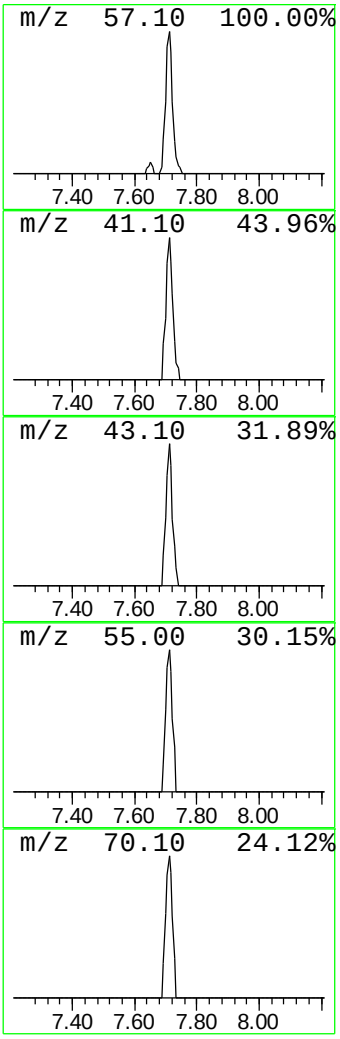
****

Peak Number 1 1-Hexanol, 2-ethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.71	2.25 ng/ul	47514	1,4-Dichlorobenzene-d4	7.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	83
2	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	83
3	1-Pentanol, 2-ethyl-4-methyl-	130	C8H18O	000106-67-2	64
4	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	64
5	2-Propyl-1-pentanol	130	C8H18O	058175-57-8	53





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Sample : G3002-02
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ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02N9

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM071315.M
Quant Title : SVOA CALIBRATION

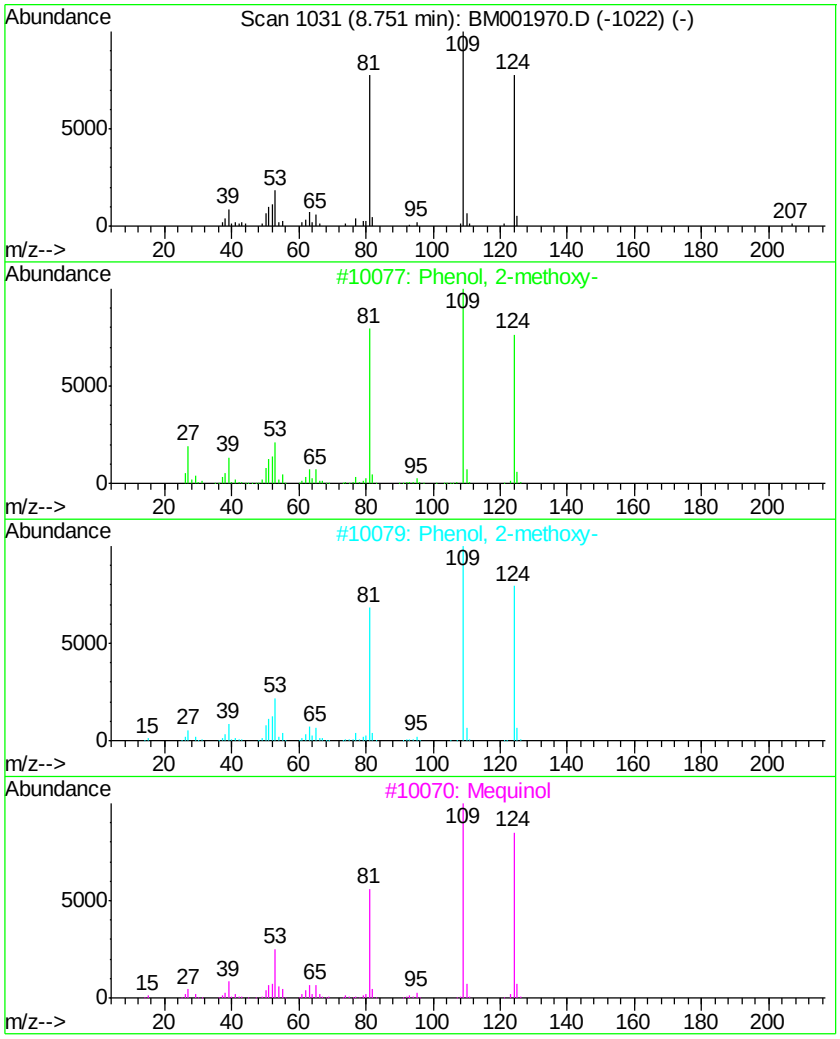
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

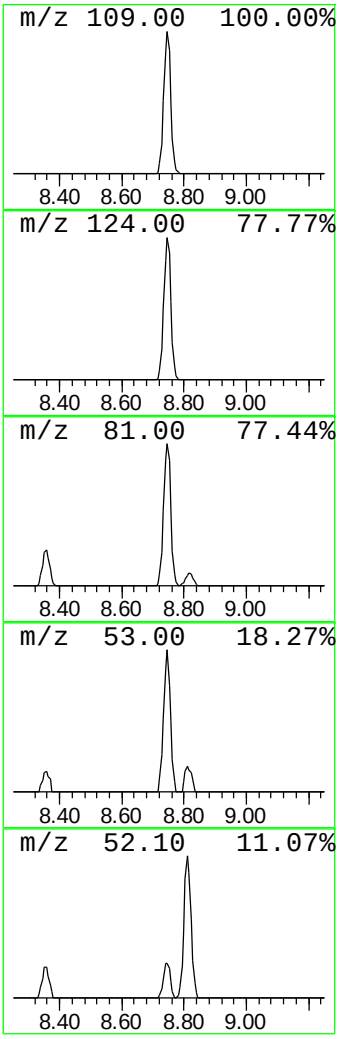
****

Peak Number 2 Phenol, 2-methoxy- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.75	10.25 ng/ul	216750	1,4-Dichlorobenzene-d4	7.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 2-methoxy-	124	C7H8O2	000090-05-1	97
2	Phenol, 2-methoxy-	124	C7H8O2	000090-05-1	96
3	Mequinol	124	C7H8O2	000150-76-5	91
4	Phenol, 2-methoxy-	124	C7H8O2	000090-05-1	90
5	Mequinol	124	C7H8O2	000150-76-5	90





Library Search Compound Report

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Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02N9

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM071315.M
Quant Title : SVOA CALIBRATION

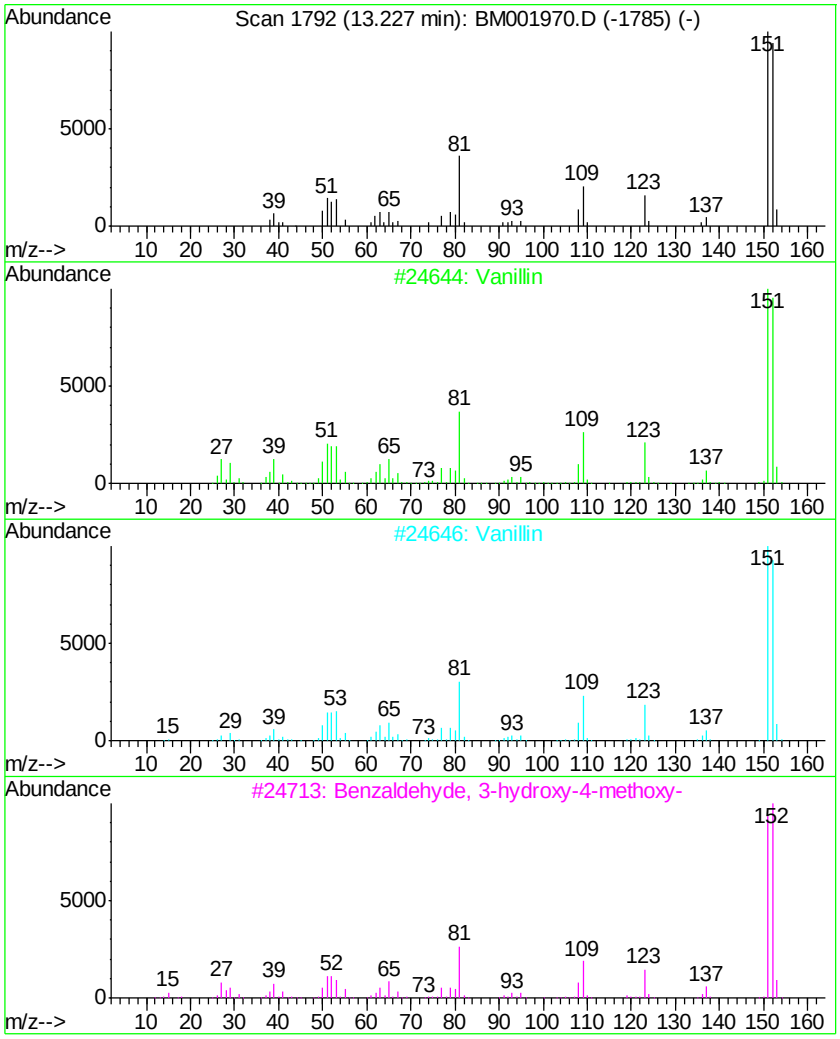
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

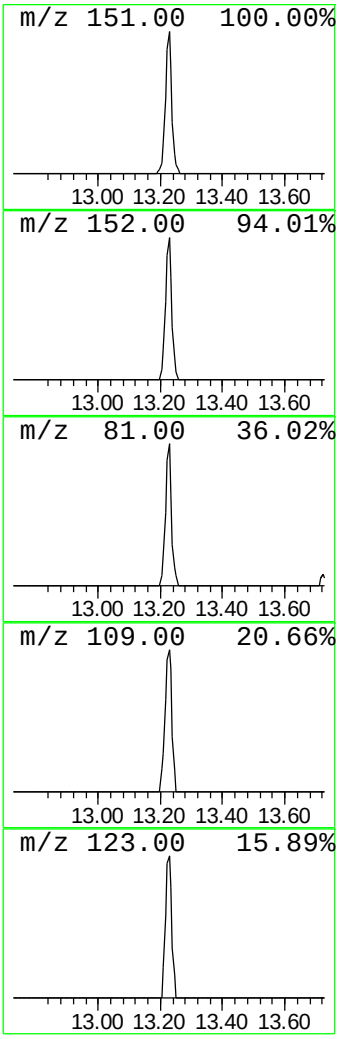
****

Peak Number 3 Vanillin Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.23	2.17 ng/ul	105424	Acenaphthene-d10	14.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Vanillin	152	C8H8O3	000121-33-5	97
2	Vanillin	152	C8H8O3	000121-33-5	96
3	Benzaldehyde, 3-hydroxy-4-methoxy-	152	C8H8O3	000621-59-0	95
4	Benzaldehyde, 3-hydroxy-4-methoxy-	152	C8H8O3	000621-59-0	94
5	Vanillin	152	C8H8O3	000121-33-5	94





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Instrument : BNA_M
ClientSampleId : C02N9

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM071315.M
Quant Title : SVOA CALIBRATION

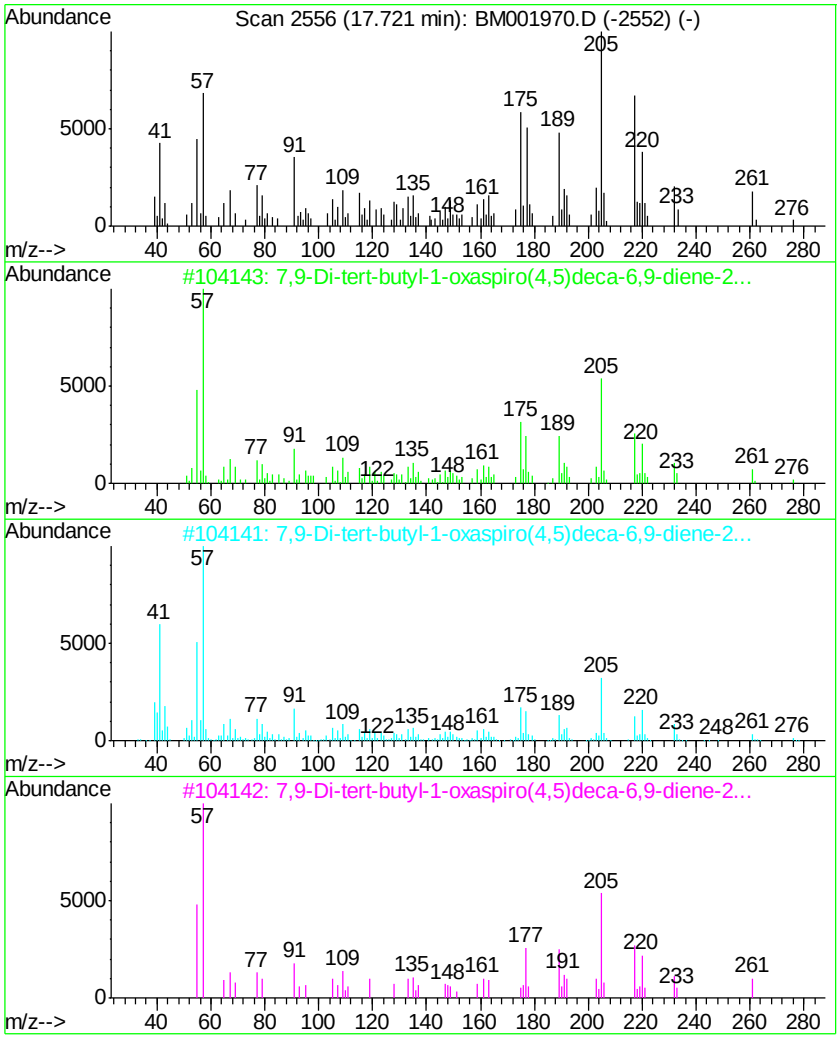
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

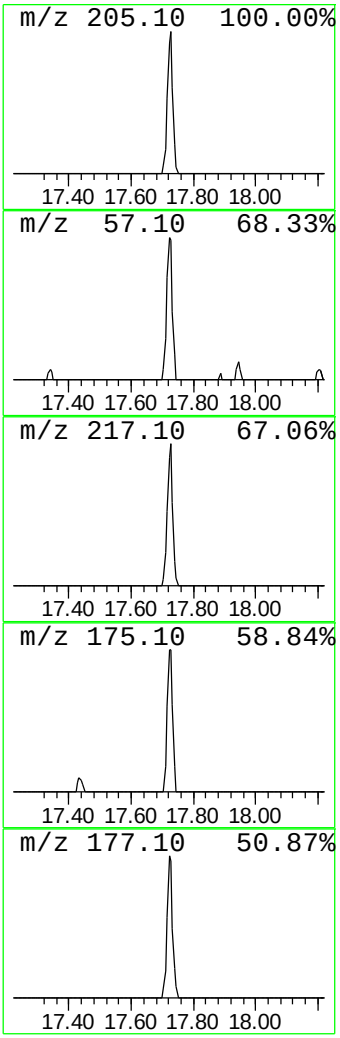
****

Peak Number 4 7,9-Di-tert-butyl-1-oxaspir... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.72	2.61 ng/ul	158659	Phenanthrene-d10	17.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7,9-Di-tert-butyl-1-oxaspiro(4,5...	276	C17H24O3	082304-66-3	99
2	7,9-Di-tert-butyl-1-oxaspiro(4,5...	276	C17H24O3	082304-66-3	97
3	7,9-Di-tert-butyl-1-oxaspiro(4,5...	276	C17H24O3	082304-66-3	70
4	Ethanone, 1-(5,6,7,8-tetrahydro-...	220	C14H20O2	071596-88-8	46
5	2,5-di-tert-Butyl-1,4-benzoquinone	220	C14H20O2	002460-77-7	45





Tentatively Identified Compound (LSC) summary

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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
1-Hexanol, 2-ethyl-	7.71	2.3	ng/ul	47514	1	7.65	423076	20.0
Phenol, 2-methoxy-	8.75	10.3	ng/ul	216750	1	7.65	423076	20.0
Vanillin	13.23	2.2	ng/ul	105424	3	14.31	973001	20.0
7,9-Di-tert-butyl...	17.72	2.6	ng/ul	158659	4	17.06	1216440	20.0