LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM111115\
Data File : BM003121.D
Acq On : 12 Nov 2015 17:15
Operator : UM/IZ
Sample : G4320-05
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A4J74

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_M\METHODS\SOM02.2-EPA-BM103015.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	3.216	18	22	28	rVB	5890	6894	0.27%	0.022%
2	3.846	127	129	135	rBV4	4928	6742	0.26%	0.022%
3	4.057	160	165	169	rVB	6656	9058	0.35%	0.029%
4	4.310	205	208	213	rBV2	4209	4906	0.19%	0.016%
5	4.869	298	303	310	rVB2	5471	8229	0.32%	0.027%
6	5.293	371	375	379	rBV2	2971	4559	0.18%	0.015%
7	5.804	458	462	463	rBV	7874	10286	0.40%	0.033%
8	5.834	463	467	475	rVB	51409	72961	2.83%	0.237%
9	5.934	480	484	486	rBV3	5422	9149	0.35%	0.030%
10	5.963	486	489	495	rVB4	6646	12747	0.49%	0.041%
11	6.151	516	521	524	rBV	5298	7664	0.30%	0.025%
12	6.398	558	563	569	rVB	17234	23655	0.92%	0.077%
13	6.745	614	622	630	rBB	27432	49286	1.91%	0.160%
14	6.851	636	640	643	rBV	3539	4176	0.16%	0.014%
15	6.910	643	650	661	rVV2	108409	240494	9.31%	0.781%
16	7.087	673	680	692	rBV	348644	545743	21.13%	1.772%
17	7.181	692	696	700	rVB	11505	14729	0.57%	0.048%
18	7.281	707	713	721	rBB	388336	593834	22.99%	1.928%
19	7.751	787	793	799	rBV	434918	670650	25.97%	2.177%
20	7.810	799	803	809	rVB	32771	48022	1.86%	0.156%
21	7.904	815	819	824	rBB2	4739	6763	0.26%	0.022%
22	7.987	826	833	838	rBV	38024	58267	2.26%	0.189%
23	8.304	879	887	892	rBB2	9646	17263	0.67%	0.056%
24	8.363	892	897	902	rBV	19937	31387	1.22%	0.102%
25	8.451	906	912	920	rBV	332414	517059	20.02%	1.679%
26	8.563	920	931	940	rVB3	39924	96468	3.74%	0.313%
27	8.845	972	979	984	rBV	386781	608346	23.56%	1.975%
28	8.910	984	990	1001	rVV	423699	702545	27.20%	2.281%
29	9.016	1001	1008	1012	rVV	13261	22988	0.89%	0.075%
30	9.069	1012	1017	1024	rVB	78994	115872	4.49%	0.376%
31	9.628	1105	1112	1117	rBV	356006	598932	23.19%	1.945%
32	9.669	1117	1119	1124	rVV	74286	90476	3.50%	0.294%
33	9.734	1124	1130	1145	rVV2	78662	180182	6.98%	0.585%
34	9.851	1145	1150	1157	rVB	26572	40909	1.58%	0.133%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM111115\
Data File : BM003121.D
Acq On : 12 Nov 2015 17:15
Operator : UM/IZ
Sample : G4320-05
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A4J74

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_M\METHODS\SOM02.2-EPA-BM103015.M
Title : SVOA CALIBRATION

35	9.957	1162	1168	1169	rVV	4252	6316	0.24%	0.021%
36	9.975	1169	1171	1176	rVV2	3606	5839	0.23%	0.019%
37	10.039	1176	1182	1189	rVB	42467	69092	2.68%	0.224%
38	10.163	1196	1203	1212	rBB	545325	919071	35.59%	2.984%
39	10.322	1222	1230	1235	rBV2	15361	24170	0.94%	0.078%
40	10.451	1248	1252	1257	rVB3	17178	25806	1.00%	0.084%
41	10.545	1260	1268	1275	rBV	645921	1090455	42.22%	3.540%
42	10.598	1275	1277	1280	rVB2	4155	4451	0.17%	0.014%
43	10.833	1312	1317	1322	rBB3	2925	4997	0.19%	0.016%
44	10.898	1322	1328	1336	rBB3	8973	17633	0.68%	0.057%
45	11.075	1354	1358	1363	rBB2	5516	8127	0.31%	0.026%
46	11.139	1363	1369	1372	rBV	6733	9849	0.38%	0.032%
47	11.192	1372	1378	1387	rVB	15344	27152	1.05%	0.088%
48	11.280	1388	1393	1396	rBV2	10448	15141	0.59%	0.049%
49	11.328	1396	1401	1410	rVB2	42346	70827	2.74%	0.230%
50	11.433	1415	1419	1424	rBV	4673	7591	0.29%	0.025%
51	11.522	1430	1434	1438	rBB2	4073	5116	0.20%	0.017%
52	11.716	1462	1467	1471	rBB	10509	15103	0.58%	0.049%
53	11.857	1488	1491	1494	rBV	3457	5668	0.22%	0.018%
54	11.880	1494	1495	1501	rVB	6044	6209	0.24%	0.020%
55	12.033	1514	1521	1527	rBB2	5044	8602	0.33%	0.028%
56	12.133	1534	1538	1543	rVB	8123	12248	0.47%	0.040%
57	12.375	1574	1579	1586	rBB	15134	22286	0.86%	0.072%
58	12.580	1609	1614	1618	rBB2	7120	10100	0.39%	0.033%
59	12.651	1621	1626	1632	rBV	35200	50073	1.94%	0.163%
60	12.745	1637	1642	1649	rVB	89299	136426	5.28%	0.443%
61	12.845	1654	1659	1663	rBV	12066	16958	0.66%	0.055%
62	12.998	1679	1685	1693	rVB	145835	205920	7.97%	0.669%
63	13.310	1729	1738	1745	rBV	353936	513229	19.87%	1.666%
64	13.363	1745	1747	1753	rVB3	6408	8959	0.35%	0.029%
65	13.710	1802	1806	1809	rBB	5067	5912	0.23%	0.019%
66	13.804	1816	1822	1829	rVV	1133452	1591104	61.61%	5.166%
67	13.927	1838	1843	1847	rBV2	22307	25344	0.98%	0.082%
68	14.039	1856	1862	1864	rBV2	3135	5951	0.23%	0.019%
69	14.086	1864	1870	1877	rVV	1221402	1835294	71.06%	5.959%
70	14.251	1894	1898	1904	rBV	16147	18719	0.72%	0.061%
71	14.398	1916	1923	1933	rVB2	1019165	1528090	59.17%	4.961%

LSC Area Percent Report

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Data File : BM003121.D
Acq On : 12 Nov 2015 17:15
Operator : UM/IZ
Sample : G4320-05
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A4J74

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_M\METHODS\SOM02.2-EPA-BM103015.M
Title : SVOA CALIBRATION

72	14.480	1933	1937	1940	rBB2	8504	11603	0.45%	0.038%
73	14.580	1947	1954	1962	rBV	104495	149442	5.79%	0.485%
74	14.651	1963	1966	1971	rVB	4285	5622	0.22%	0.018%
75	14.992	2017	2024	2032	rBB	29569	42627	1.65%	0.138%
76	15.080	2032	2039	2041	rBV2	8187	11871	0.46%	0.039%
77	15.116	2041	2045	2047	rBV	11013	15199	0.59%	0.049%
78	15.221	2055	2063	2068	rBV	97591	137804	5.34%	0.447%
79	15.392	2085	2092	2100	rVB	1657889	2372601	91.87%	7.703%
80	15.504	2105	2111	2118	rVB	449279	589664	22.83%	1.914%
81	15.633	2127	2133	2137	rVB2	14061	19926	0.77%	0.065%
82	15.757	2150	2154	2159	rBV	19502	22691	0.88%	0.074%
83	16.398	2258	2263	2268	rBV	12462	14327	0.55%	0.047%
84	16.504	2278	2281	2284	rBV	5630	6921	0.27%	0.022%
85	16.933	2349	2354	2357	rBV	3973	5822	0.23%	0.019%
86	17.145	2383	2390	2396	rBV2	1170684	1716865	66.48%	5.574%
87	17.239	2399	2406	2416	rBV2	1744067	2466069	95.49%	8.007%
88	17.427	2434	2438	2442	rBV	15370	17555	0.68%	0.057%
89	17.815	2498	2504	2509	rBV	884921	1073945	41.58%	3.487%
90	18.027	2537	2540	2546	rBV2	6764	8276	0.32%	0.027%
91	18.109	2550	2554	2558	rVB	7662	8799	0.34%	0.029%
92	19.168	2730	2734	2740	rVV	13955	18686	0.72%	0.061%
93	19.321	2755	2760	2762	rBV3	6056	7221	0.28%	0.023%
94	19.427	2772	2778	2786	rBV	11573	17069	0.66%	0.055%
95	19.539	2791	2797	2808	rBV	1899469	2582616	100.00%	8.385%
96	20.145	2896	2900	2905	rBV6	3270	5086	0.20%	0.017%
97	21.333	3097	3102	3112	rBV	1393429	1694428	65.61%	5.501%
98	22.386	3278	3281	3286	rVB3	29963	40062	1.55%	0.130%
99	23.456	3455	3463	3476	rVV	1252501	2370751	91.80%	7.697%
100	23.597	3480	3487	3500	rVB2	864013	1601325	62.00%	5.199%

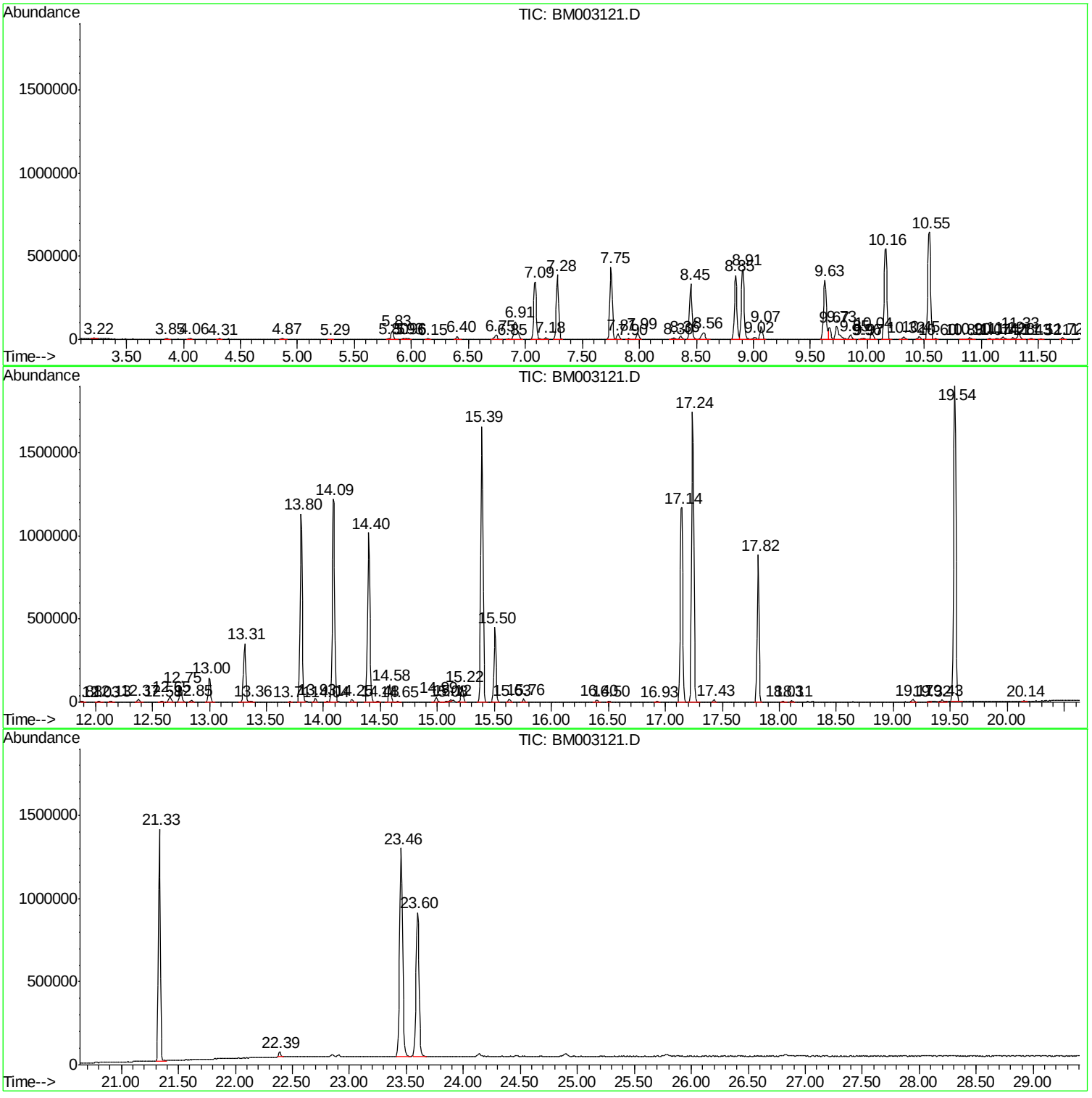
Sum of corrected areas: 30799942

Data Path : Z:\HPCHEM1\BNA M\DATA\BM111115\
Data File : BM003121.D
Acq On : 12 Nov 2015 17:15
Operator : UM/IZ
Sample : G4320-05
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A4J74

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM103015.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 M\DATA\BM111115\
Data File : BM003121.D
Acq On : 12 Nov 2015 17:15
Operator : UM/IZ
Sample : G4320-05
Misc :
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Instrument : BNA_M
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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM103015.M
Quant Title : SVOA CALIBRATION

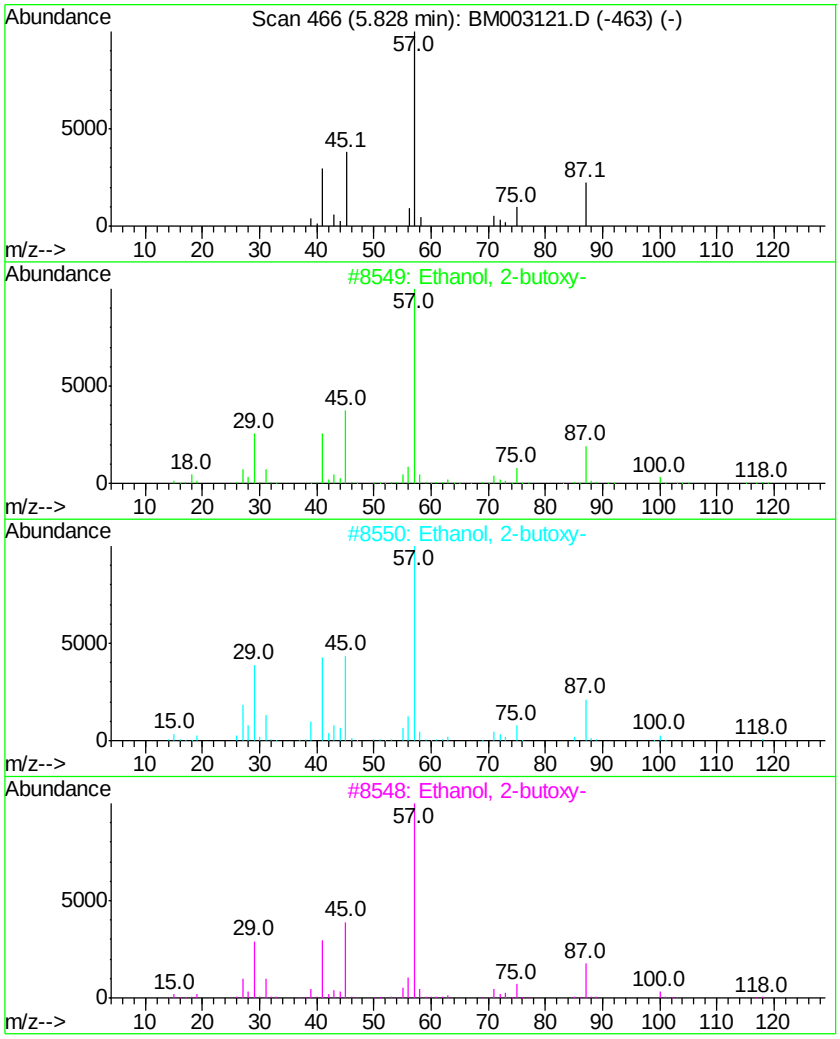
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

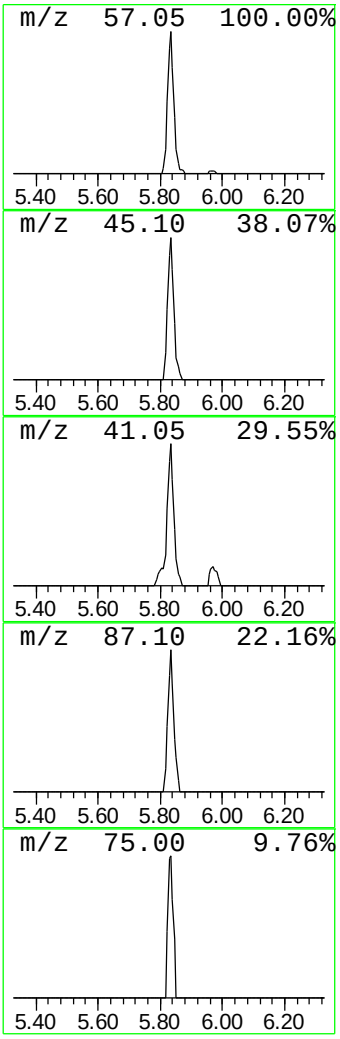
****

Peak Number 1 Ethanol, 2-butoxy- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.83	2.18 ng/ul	72961	1,4-Dichlorobenzene-d4	7.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol, 2-butoxy-	118	C6H14O2	000111-76-2	74
2	Ethanol, 2-butoxy-	118	C6H14O2	000111-76-2	74
3	Ethanol, 2-butoxy-	118	C6H14O2	000111-76-2	56
4	Propanoic acid, 2-methylpropyl e...	130	C7H14O2	000540-42-1	23
5	Ethylene glycol monoisobutyl ether	118	C6H14O2	004439-24-1	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM111115\
Data File : BM003121.D
Acq On : 12 Nov 2015 17:15
Operator : UM/IZ
Sample : G4320-05
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A4J74

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM103015.M
Quant Title : SVOA CALIBRATION

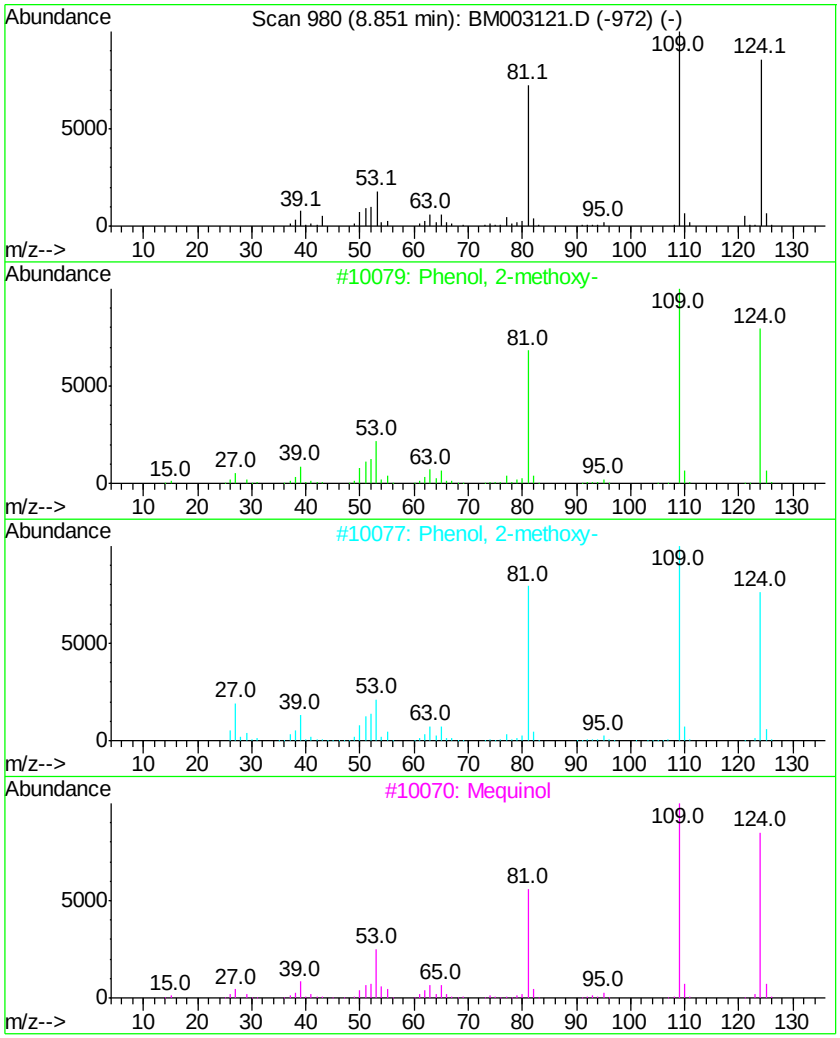
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

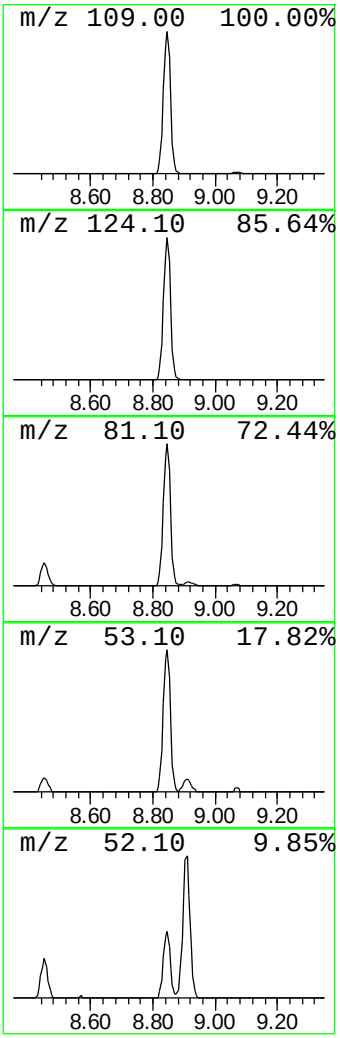
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.85	18.14 ng/ul	608346	1,4-Dichlorobenzene-d4	7.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 2-methoxy-	124	C7H8O2	000090-05-1	96
2	Phenol, 2-methoxy-	124	C7H8O2	000090-05-1	94
3	Mequinol	124	C7H8O2	000150-76-5	91
4	Phenol, 2-methoxy-	124	C7H8O2	000090-05-1	90
5	2-Cyclopenten-1-one, 2,3,4-trime...	124	C8H12O	028790-86-5	86





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Acq On : 12 Nov 2015 17:15
Operator : UM/IZ
Sample : G4320-05
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A4J74

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM103015.M
Quant Title : SVOA CALIBRATION

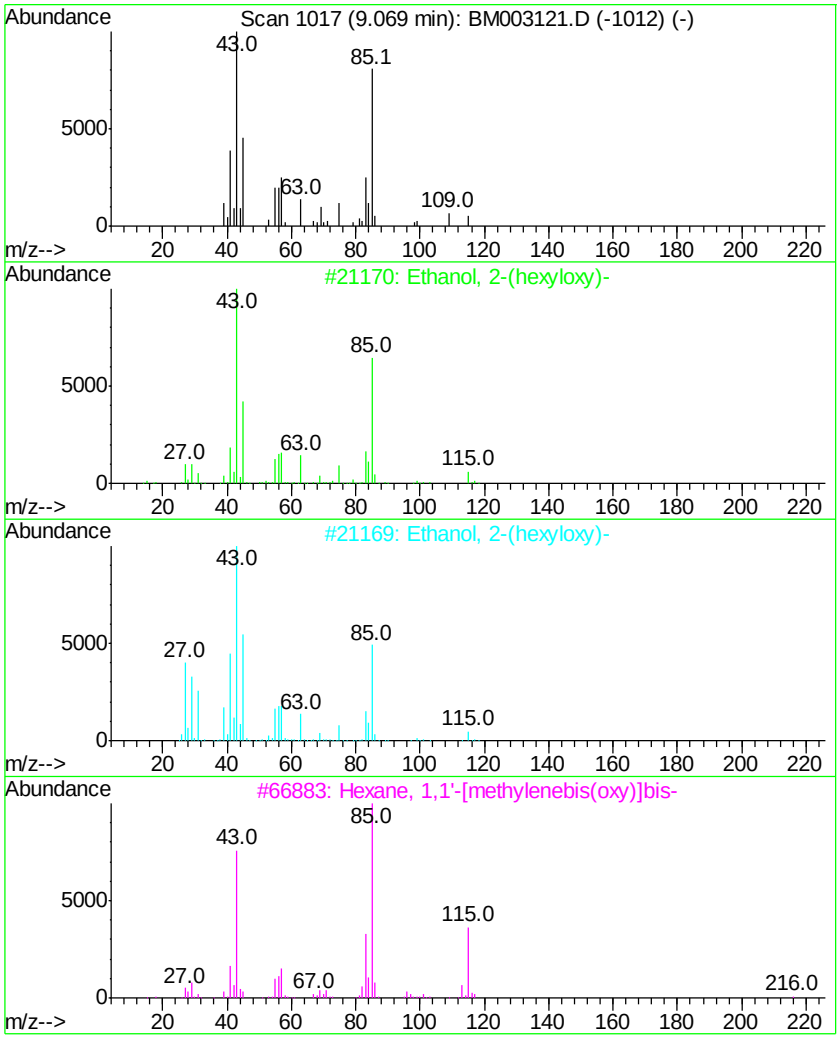
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

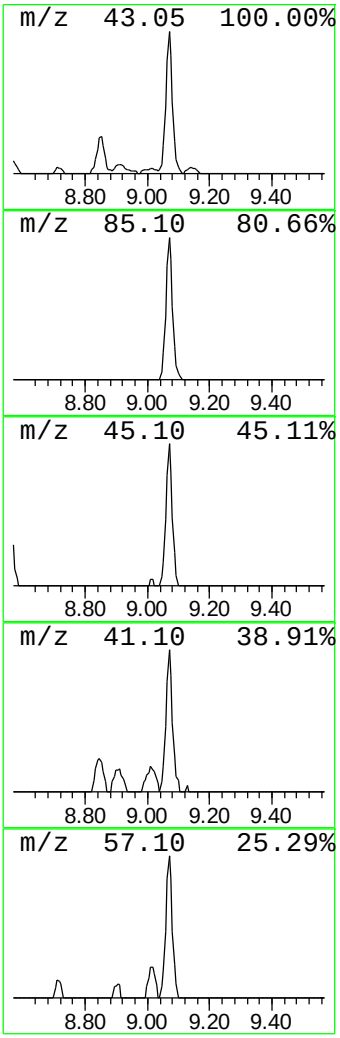
****

Peak Number 3 Ethanol, 2-(hexyloxy)- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.07	3.46 ng/ul	115872	1,4-Dichlorobenzene-d4	7.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol, 2-(hexyloxy)-	146	C8H18O2	000112-25-4	64
2	Ethanol, 2-(hexyloxy)-	146	C8H18O2	000112-25-4	50
3	Hexane, 1,1'-[methylenebis(oxy)]...	216	C13H28O2	054815-12-2	38
4	1-Bromo-8-tetrahydropyranyloxyoc...	292	C13H25BrO2	050816-20-1	38
5	Undecane, 2,4-dimethyl-	184	C13H28	017312-80-0	38





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM111115\
Data File : BM003121.D
Acq On : 12 Nov 2015 17:15
Operator : UM/IZ
Sample : G4320-05
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A4J74

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM103015.M
Quant Title : SVOA CALIBRATION

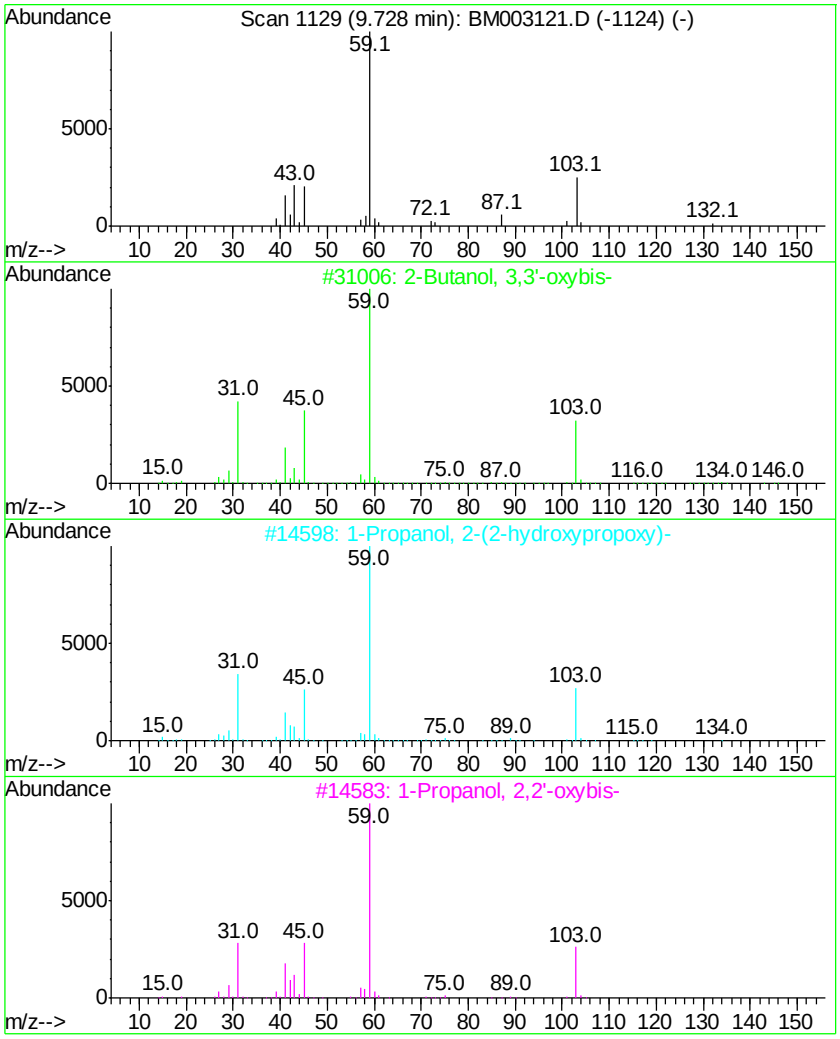
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

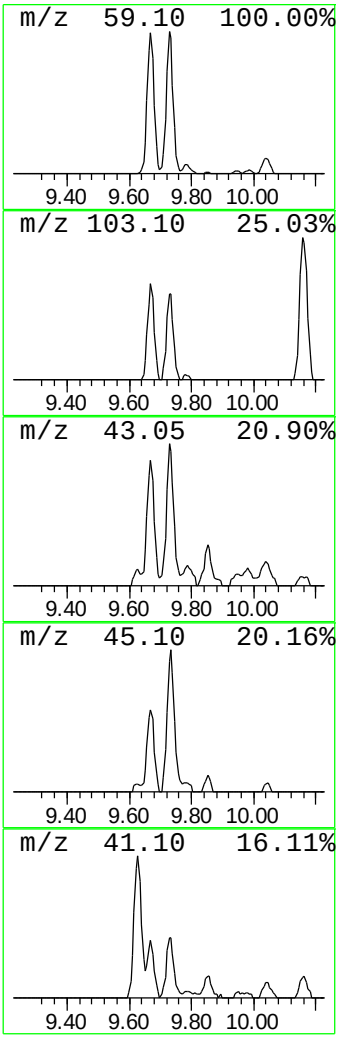
****

Peak Number 4 2-Butanol, 3,3'-oxybis- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.73	3.30 ng/ul	180182	Naphthalene-d8	10.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butanol, 3,3'-oxybis-	162	C8H18O3	054305-61-2	78
2	1-Propanol, 2-(2-hydroxypropoxy)-	134	C6H14O3	000106-62-7	78
3	1-Propanol, 2,2'-oxybis-	134	C6H14O3	000108-61-2	78
4	1-Propanol, 2-(2-hydroxypropoxy)-	134	C6H14O3	000106-62-7	78
5	2-Propanol, 1-[1-methyl-2-(2-pro...	174	C9H18O3	055956-25-7	72





Data Path : Z:\HPCHEM1\BNA M\DATA\BM111115\
Data File : BM003121.D
Acq On : 12 Nov 2015 17:15
Operator : UM/IZ
Sample : G4320-05
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A4J74

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM103015.M
Quant Title : SVOA CALIBRATION

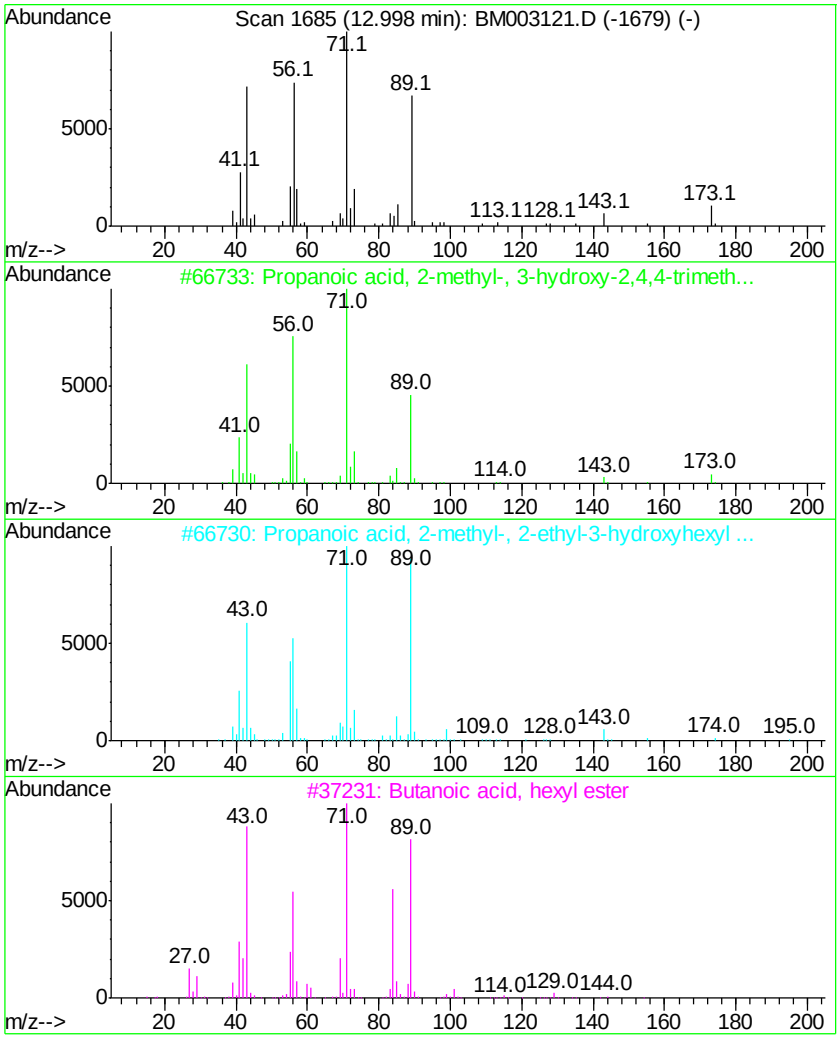
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

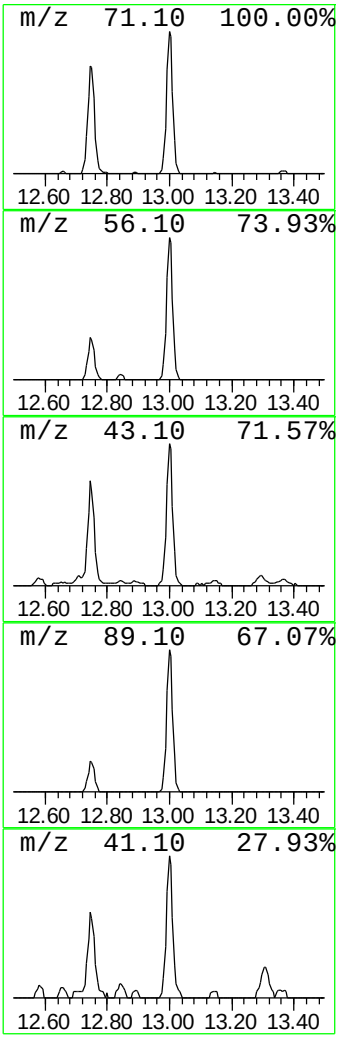
****

Peak Number 5 Propanoic acid, 2-methyl-, ... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.00	2.70 ng/ul	205920	Acenaphthene-d10	14.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propanoic acid, 2-methyl-, 3-hyd...	216	C12H24O3	074367-34-3	90
2	Propanoic acid, 2-methyl-, 2-eth...	216	C12H24O3	074367-31-0	64
3	Butanoic acid, hexyl ester	172	C10H20O2	002639-63-6	56
4	Butanoic acid, butyl ester	144	C8H16O2	000109-21-7	50
5	Butanoic acid, butyl ester	144	C8H16O2	000109-21-7	50





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM111115\
Data File : BM003121.D
Acq On : 12 Nov 2015 17:15
Operator : UM/IZ
Sample : G4320-05
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A4J74

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM103015.M
Quant Title : SVOA CALIBRATION

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

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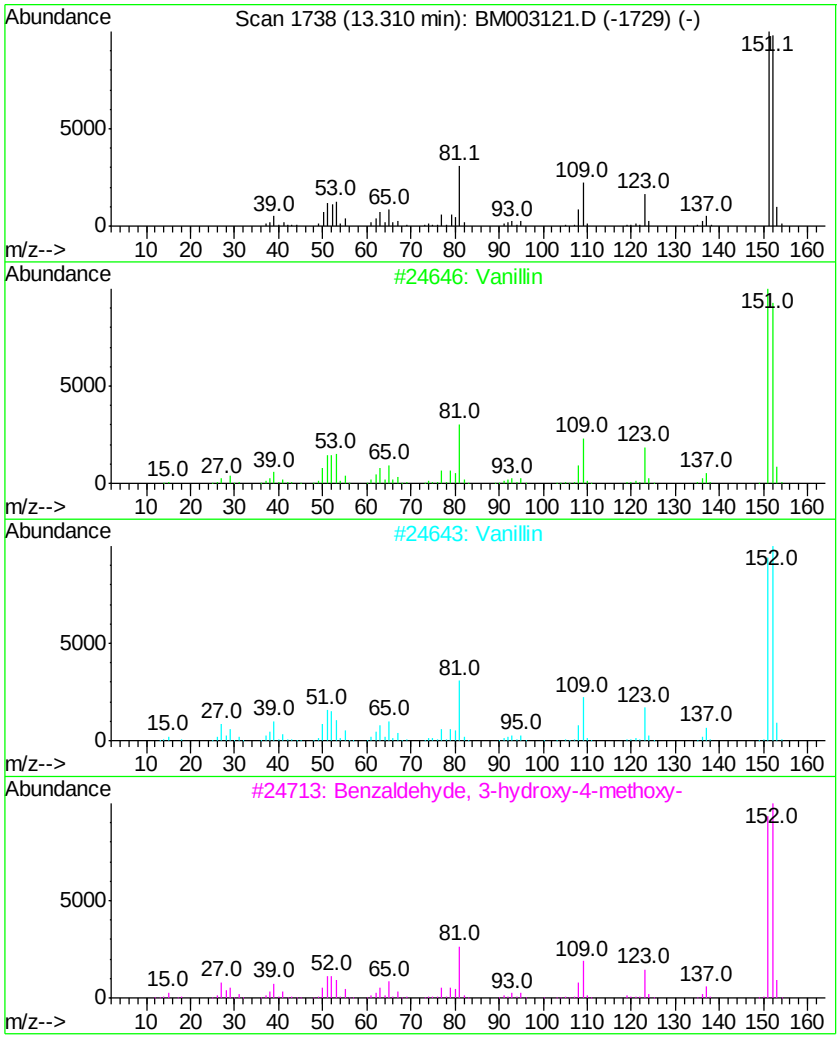
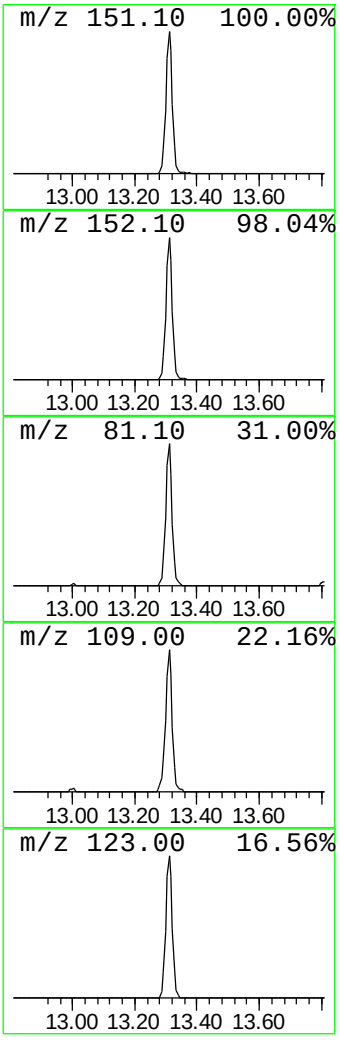
Peak Number 6 Vanillin Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.31	6.72 ng/ul	513229	Acenaphthene-d10	14.40

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





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM111115\
Data File : BM003121.D
Acq On : 12 Nov 2015 17:15
Operator : UM/IZ
Sample : G4320-05
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A4J74

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM103015.M
Quant Title : SVOA CALIBRATION

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

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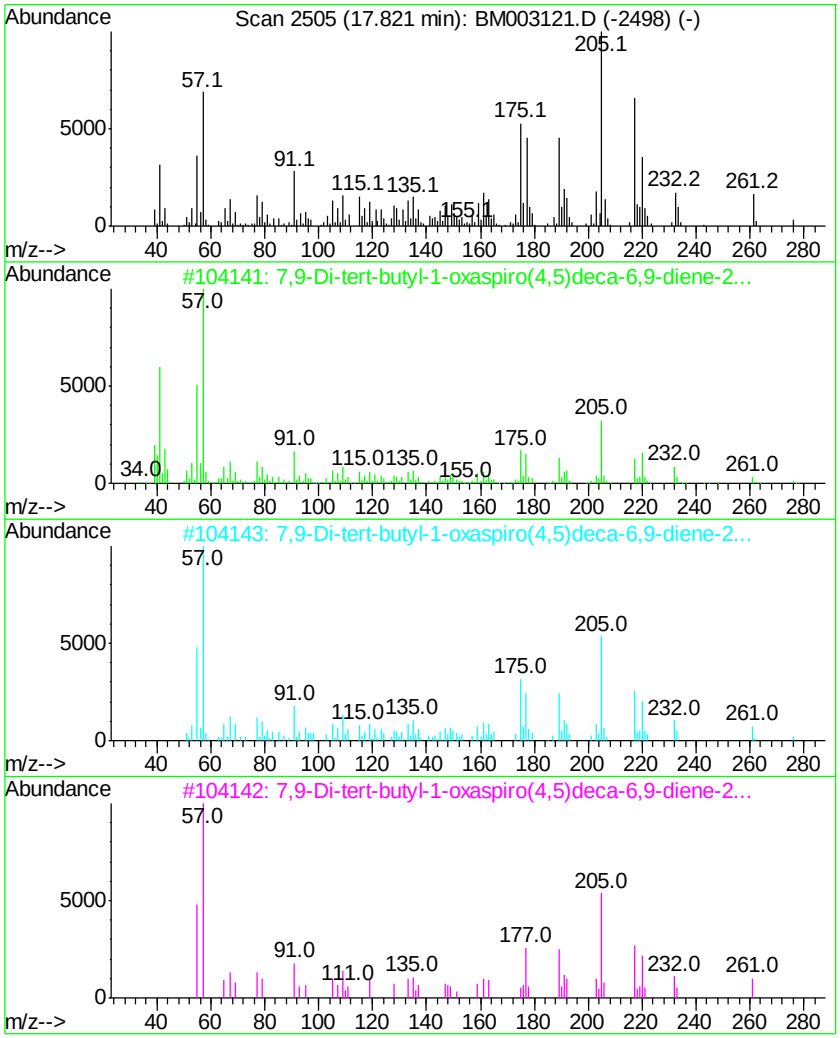
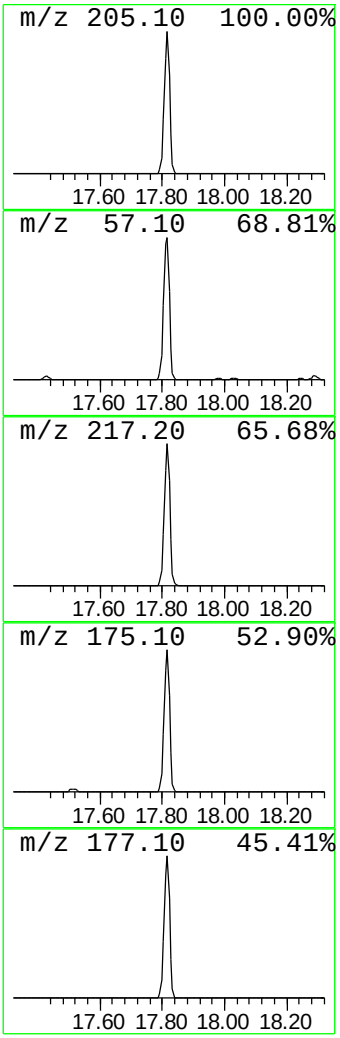
Peak Number 7 7,9-Di-tert-butyl-1-oxaspir... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.82	12.51 ng/ul	1073950	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7,9-Di-tert-butyl-1-oxaspiro(4,5...	276	C17H24O3	082304-66-3	98
2	7,9-Di-tert-butyl-1-oxaspiro(4,5...	276	C17H24O3	082304-66-3	95
3	7,9-Di-tert-butyl-1-oxaspiro(4,5...	276	C17H24O3	082304-66-3	90
4	Ethanone, 1-(5,6,7,8-tetrahydro-...	220	C14H20O2	071596-88-8	66
5	2,5-di-tert-Butyl-1,4-benzoquinone	220	C14H20O2	002460-77-7	45





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM111115\
Data File : BM003121.D
Acq On : 12 Nov 2015 17:15
Operator : UM/IZ
Sample : G4320-05
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A4J74

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM103015.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
Ethanol, 2-butoxy-	5.83	2.2	ng/ul	72961	1	7.75	670650	20.0
Phenol, 2-methoxy-	8.85	18.1	ng/ul	608346	1	7.75	670650	20.0
Ethanol, 2-(hexyl...	9.07	3.5	ng/ul	115872	1	7.75	670650	20.0
2-Butanol, 3,3'-o...	9.73	3.3	ng/ul	180182	2	10.55	1090460	20.0
Propanoic acid, 2...	13.00	2.7	ng/ul	205920	3	14.40	1528090	20.0
Vanillin	13.31	6.7	ng/ul	513229	3	14.40	1528090	20.0
7,9-Di-tert-butyl...	17.82	12.5	ng/ul	1073950	4	17.14	1716870	20.0