LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM120718\
Data File : BM017980.D
Acq On : 06 Dec 2018 23:15
Operator : JU/SJ
Sample : J6171-20
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9Y46

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:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111918MA.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	3.163	27	30	34	rBV3	7526	11285	0.38%	0.036%
2	3.369	64	65	68	rBV2	3392	3927	0.13%	0.013%
3	3.457	77	80	85	rVB4	7436	9180	0.31%	0.030%
4	3.757	127	131	138	rVB3	13916	22127	0.74%	0.071%
5	3.857	143	148	155	rVB	16072	27417	0.92%	0.088%
6	3.963	161	166	172	rVB5	14852	26402	0.89%	0.085%
7	4.204	205	207	211	rVV4	6066	7985	0.27%	0.026%
8	4.269	215	218	221	rVB2	4177	5180	0.17%	0.017%
9	4.704	289	292	294	rVV3	3397	4369	0.15%	0.014%
10	4.757	296	301	306	rVB4	11271	16912	0.57%	0.054%
11	5.122	360	363	368	rBV5	4347	6778	0.23%	0.022%
12	5.157	368	369	373	rVB3	4025	4471	0.15%	0.014%
13	5.245	380	384	393	rBV5	7016	17651	0.59%	0.057%
14	5.610	441	446	448	rVB4	5397	7821	0.26%	0.025%
15	5.651	450	453	457	rBV3	8575	11439	0.38%	0.037%
16	5.987	506	510	515	rBV4	12530	22138	0.74%	0.071%
17	6.604	610	615	620	rBV6	8412	15316	0.51%	0.049%
18	6.651	620	623	624	rVV3	4926	4073	0.14%	0.013%
19	6.687	624	629	633	rVV5	19349	30799	1.03%	0.099%
20	6.751	633	640	652	rVB	99950	225440	7.56%	0.726%
21	6.910	661	667	678	rBV	442998	692408	23.22%	2.230%
22	7.098	692	699	715	rVB	488372	826894	27.73%	2.663%
23	7.210	715	718	721	rBV4	4206	4768	0.16%	0.015%
24	7.375	743	746	749	rBV4	3651	4641	0.16%	0.015%
25	7.557	770	777	785	rBV	489094	808468	27.12%	2.604%
26	7.628	785	789	800	rVB2	37214	67090	2.25%	0.216%
27	7.763	807	812	819	rVB4	10778	16358	0.55%	0.053%
28	7.828	819	823	826	rBV3	4574	7997	0.27%	0.026%
29	8.181	877	883	892	rBV6	8515	22048	0.74%	0.071%
30	8.269	892	898	910	rVV	298955	577022	19.35%	1.858%
31	8.386	913	918	923	rVB	26873	44362	1.49%	0.143%
32	8.645	956	962	968	rBV	190915	322581	10.82%	1.039%
33	8.710	968	973	980	rVV	507603	892858	29.95%	2.875%
34	8.775	980	984	991	rVV	31921	65773	2.21%	0.212%

LSC Area Percent Report

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Operator : JU/SJ
Sample : J6171-20
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9Y46

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:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111918MA.M
Title : SVOA CALIBRATION

35	8.828	991	993	998	rVV4	4063	5953	0.20%	0.019%
36	8.875	998	1001	1005	rVV4	4796	7004	0.23%	0.023%
37	9.098	1033	1039	1044	rBV	27911	47309	1.59%	0.152%
38	9.428	1087	1095	1109	rBV	418751	747813	25.08%	2.408%
39	9.663	1128	1135	1138	rBV4	4577	7225	0.24%	0.023%
40	9.722	1138	1145	1151	rVB4	6491	19299	0.65%	0.062%
41	9.886	1167	1173	1178	rBV8	8171	20185	0.68%	0.065%
42	9.963	1178	1186	1207	rVV	491706	1067457	35.80%	3.438%
43	10.116	1207	1212	1216	rVB5	17024	29869	1.00%	0.096%
44	10.257	1228	1236	1241	rVV	114973	219246	7.35%	0.706%
45	10.322	1241	1247	1254	rVV	614880	1095345	36.74%	3.527%
46	10.392	1254	1259	1267	rVV3	37394	74461	2.50%	0.240%
47	10.633	1295	1300	1305	rVV5	4794	10627	0.36%	0.034%
48	10.992	1351	1361	1370	rBV	137818	294116	9.86%	0.947%
49	11.110	1378	1381	1384	rBV4	7145	10155	0.34%	0.033%
50	11.157	1384	1389	1397	rVV5	22010	46503	1.56%	0.150%
51	11.522	1446	1451	1455	rBV3	14439	22769	0.76%	0.073%
52	11.586	1456	1462	1467	rVV2	43138	70068	2.35%	0.226%
53	11.657	1470	1474	1484	rVV4	21468	46858	1.57%	0.151%
54	11.939	1517	1522	1525	rBV3	7698	14441	0.48%	0.047%
55	12.480	1609	1614	1620	rBV4	7778	13687	0.46%	0.044%
56	12.539	1620	1624	1629	rVV4	10723	16551	0.56%	0.053%
57	12.674	1641	1647	1649	rBV5	5664	10127	0.34%	0.033%
58	12.692	1649	1650	1655	rVB3	3750	4203	0.14%	0.014%
59	12.804	1664	1669	1676	rBV3	17829	29513	0.99%	0.095%
60	13.133	1715	1725	1744	rBV	660631	1326960	44.51%	4.273%
61	13.451	1776	1779	1781	rVB3	3633	3854	0.13%	0.012%
62	13.627	1801	1809	1820	rBV	1011672	1540525	51.67%	4.961%
63	13.739	1825	1828	1830	rVB3	4359	4960	0.17%	0.016%
64	13.898	1847	1855	1868	rBV	1262347	1886216	63.27%	6.074%
65	14.004	1868	1873	1875	rBV4	5674	8909	0.30%	0.029%
66	14.110	1886	1891	1900	rBV3	21878	38780	1.30%	0.125%
67	14.210	1900	1908	1917	rVV2	812934	1265480	42.45%	4.075%
68	14.298	1921	1923	1926	rVB2	4825	5336	0.18%	0.017%
69	14.521	1949	1961	1965	rBV9	15215	54034	1.81%	0.174%
70	14.574	1969	1970	1975	rVB4	4044	5588	0.19%	0.018%
71	14.751	1997	2000	2004	rVB3	3637	4053	0.14%	0.013%

LSC Area Percent Report

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Data File : BM017980.D
Acq On : 06 Dec 2018 23:15
Operator : JU/SJ
Sample : J6171-20
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9Y46

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:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111918MA.M
Title : SVOA CALIBRATION

72	14.904	2022	2026	2030	rVB3	10950	16652	0.56%	0.054%
73	15.015	2040	2045	2049	rBV	75956	104175	3.49%	0.335%
74	15.057	2049	2052	2058	rVB3	15644	22484	0.75%	0.072%
75	15.145	2063	2067	2071	rBV4	25504	31153	1.04%	0.100%
76	15.210	2071	2078	2090	rBV	1576250	2293302	76.92%	7.385%
77	15.357	2097	2103	2112	rBV	332790	575654	19.31%	1.854%
78	15.451	2116	2119	2125	rVB4	19218	29784	1.00%	0.096%
79	15.592	2138	2143	2149	rBV	18139	27460	0.92%	0.088%
80	15.833	2179	2184	2189	rVB5	2520	4262	0.14%	0.014%
81	16.339	2266	2270	2272	rBV2	3252	3631	0.12%	0.012%
82	16.574	2308	2310	2315	rVV3	3507	4041	0.14%	0.013%
83	16.751	2337	2340	2342	rBV2	3985	4471	0.15%	0.014%
84	16.962	2369	2376	2387	rBV2	944944	1336278	44.82%	4.303%
85	17.062	2387	2393	2409	rVV2	1526478	2340488	78.50%	7.537%
86	17.268	2424	2428	2434	rVB	12789	16893	0.57%	0.054%
87	17.639	2486	2491	2497	rVB2	281856	345412	11.59%	1.112%
88	17.809	2518	2520	2522	rVV3	3825	3702	0.12%	0.012%
89	17.886	2527	2533	2539	rBV3	15930	33336	1.12%	0.107%
90	17.951	2540	2544	2548	rVV	15530	23128	0.78%	0.074%
91	18.080	2563	2566	2567	rVV3	7153	6187	0.21%	0.020%
92	18.121	2571	2573	2577	rVB4	5214	5114	0.17%	0.016%
93	18.574	2648	2650	2656	rBV6	2787	4999	0.17%	0.016%
94	19.003	2719	2723	2729	rBV3	15262	27819	0.93%	0.090%
95	19.174	2748	2752	2757	rBV5	16726	27119	0.91%	0.087%
96	19.262	2764	2767	2771	rVB	11432	14274	0.48%	0.046%
97	19.368	2779	2785	2801	rBV2	1817720	2636929	88.44%	8.492%
98	21.180	3087	3093	3105	rBV	1008326	1625232	54.51%	5.234%
99	23.215	3432	3439	3452	rBV	1547482	2981448	100.00%	9.602%
100	23.356	3456	3463	3474	rVB	758589	1596933	53.56%	5.143%

Sum of corrected areas: 31051817

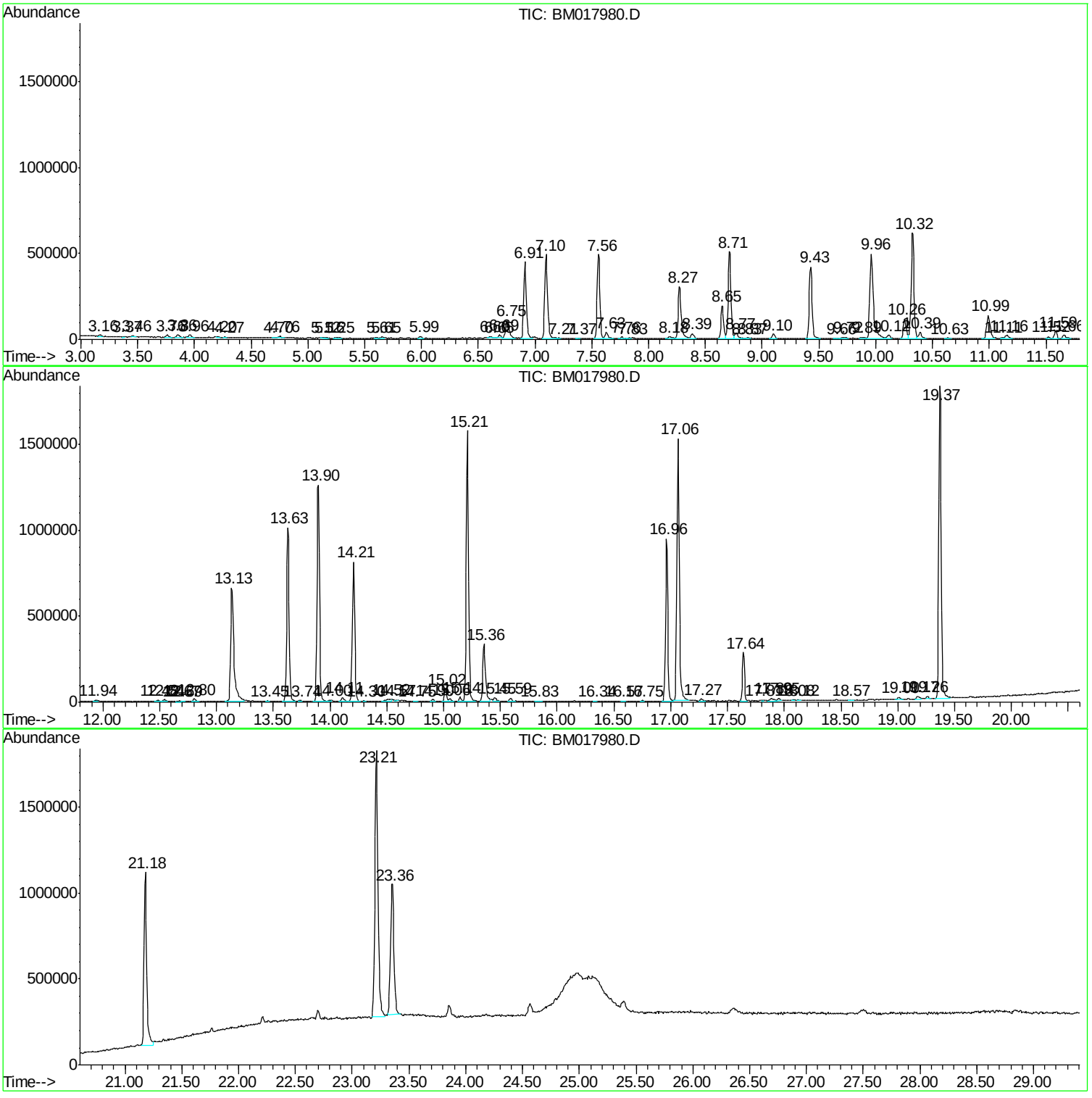
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM120718\
Data File : BM017980.D
Acq On : 06 Dec 2018 23:15
Operator : JU/SJ
Sample : J6171-20
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9Y46

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111918MA.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM120718\
Data File : BM017980.D
Acq On : 06 Dec 2018 23:15
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Instrument : BNA_M
ClientSampleId : F9Y46

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111918MA.M
Quant Title : SVOA CALIBRATION

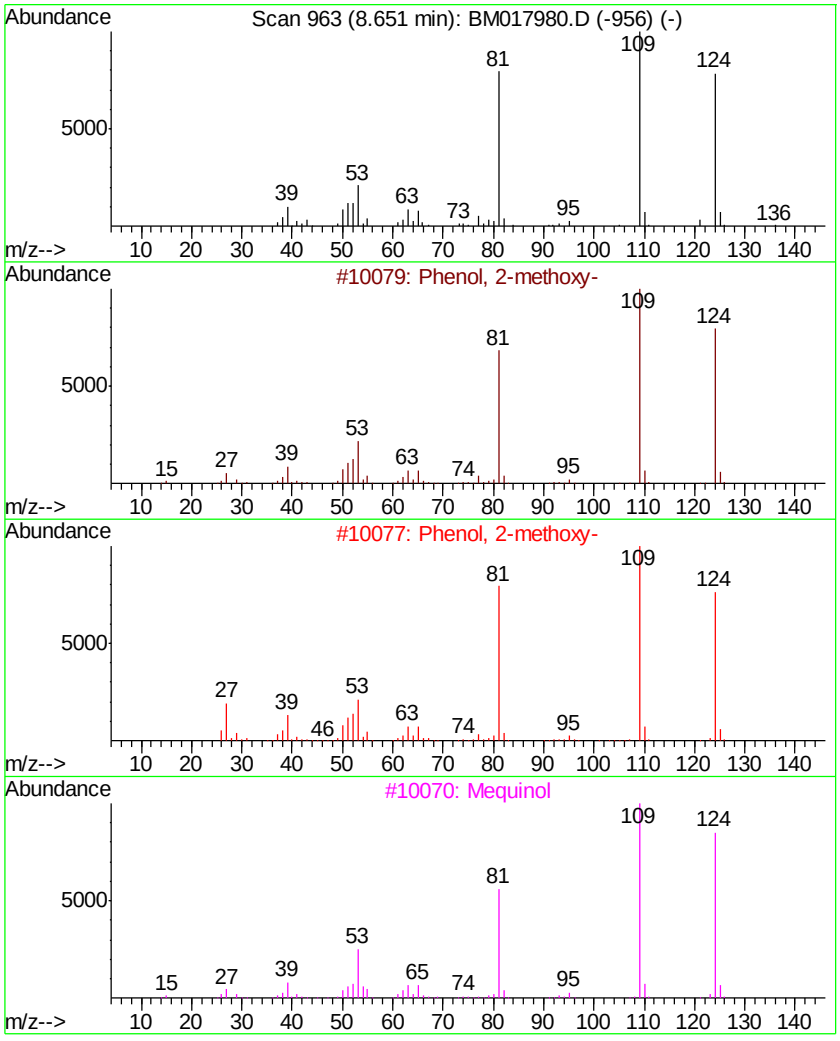
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

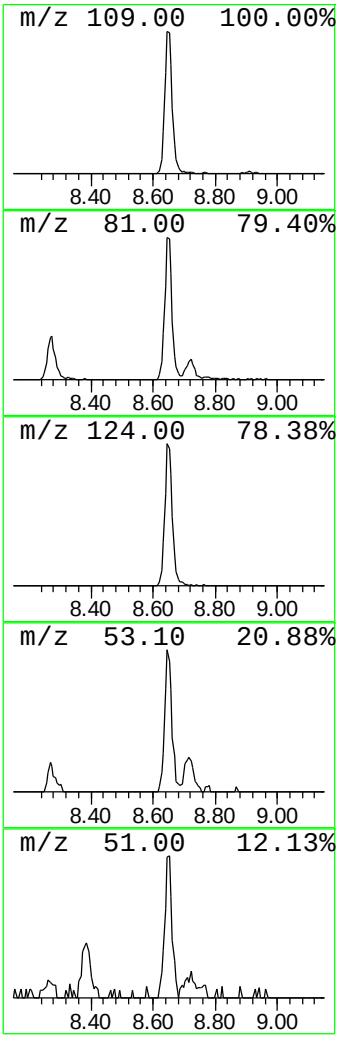
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.65	7.98 ng/ul	322581	1,4-Dichlorobenzene-d4	7.56

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	Mequinol	124	C7H8O2	000150-76-5	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM120718\
Data File : BM017980.D
Acq On : 06 Dec 2018 23:15
Operator : JU/SJ
Sample : J6171-20
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9Y46

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111918MA.M
Quant Title : SVOA CALIBRATION

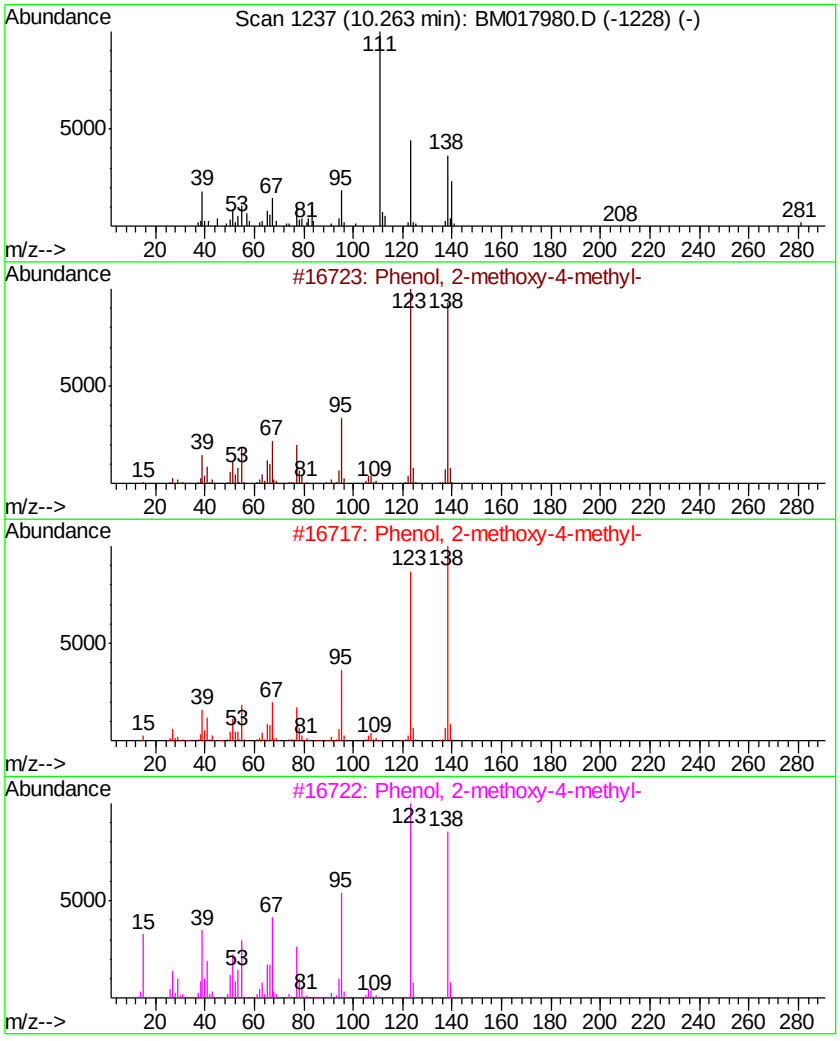
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

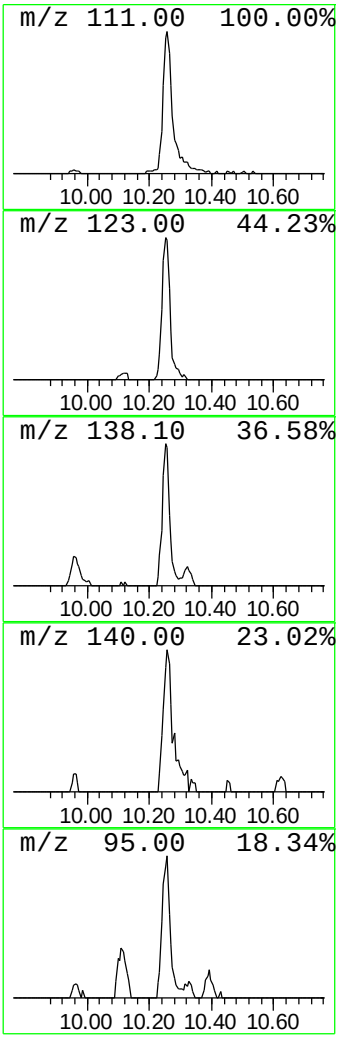
****

Peak Number 2 Phenol, 2-methoxy-4-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.26	4.00 ng/ul	219246	Naphthalene-d8	10.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 2-methoxy-4-methyl-	138	C8H10O2	000093-51-6	94
2	Phenol, 2-methoxy-4-methyl-	138	C8H10O2	000093-51-6	89
3	Phenol, 2-methoxy-4-methyl-	138	C8H10O2	000093-51-6	83
4	2-Methoxy-5-methylphenol	138	C8H10O2	001195-09-1	42
5	Phenol, 4-methoxy-3-methyl-	138	C8H10O2	014786-82-4	38





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM120718\
Data File : BM017980.D
Acq On : 06 Dec 2018 23:15
Operator : JU/SJ
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Misc :
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Instrument : BNA_M
ClientSampleId : F9Y46

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111918MA.M
Quant Title : SVOA CALIBRATION

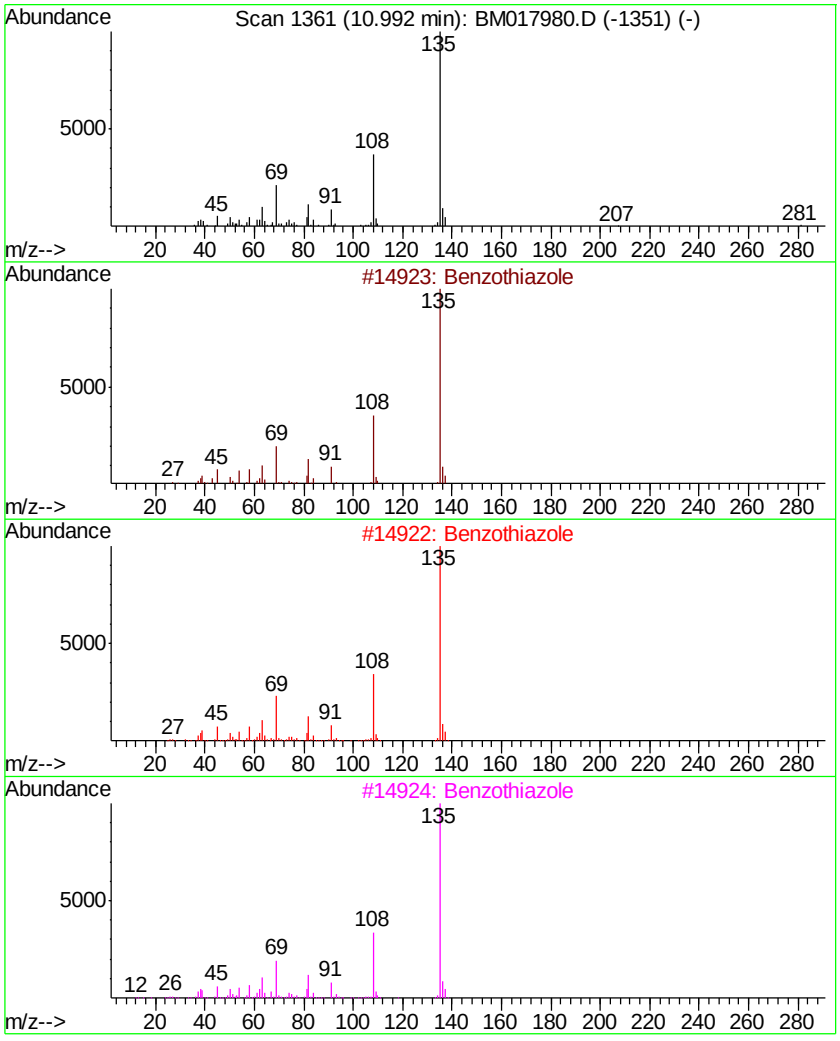
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

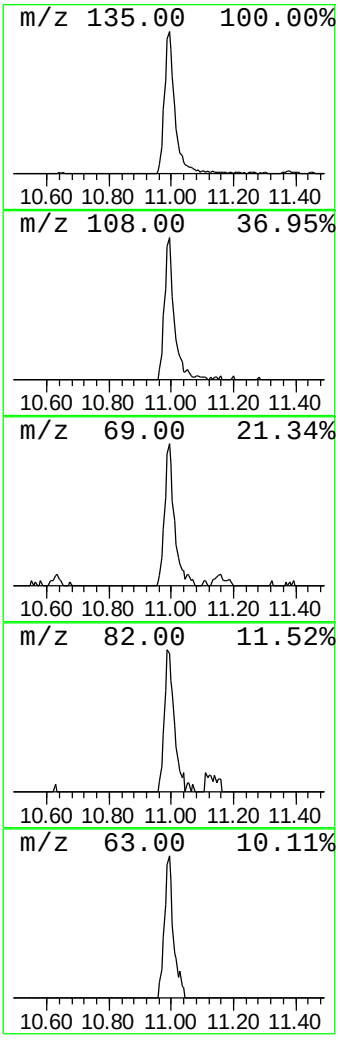
****

Peak Number 3 Benzothiazole Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.99	5.37 ng/ul	294116	Naphthalene-d8	10.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzothiazole	135	C7H5NS	000095-16-9	97
2	Benzothiazole	135	C7H5NS	000095-16-9	97
3	Benzothiazole	135	C7H5NS	000095-16-9	97
4	1,2-Benzisothiazole	135	C7H5NS	000272-16-2	91
5	3-Allylbenzothiazolium bromide	255	C10H10BrNS	016407-55-9	78





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM120718\
Data File : BM017980.D
Acq On : 06 Dec 2018 23:15
Operator : JU/SJ
Sample : J6171-20
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9Y46

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111918MA.M
Quant Title : SVOA CALIBRATION

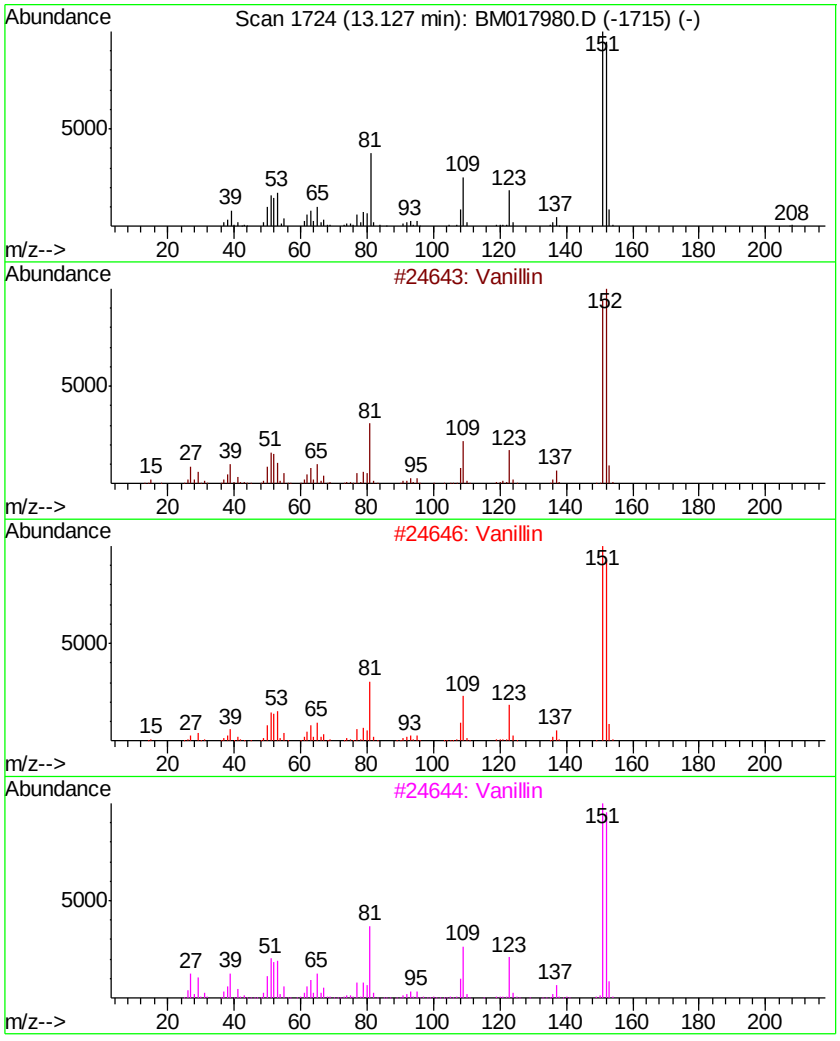
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

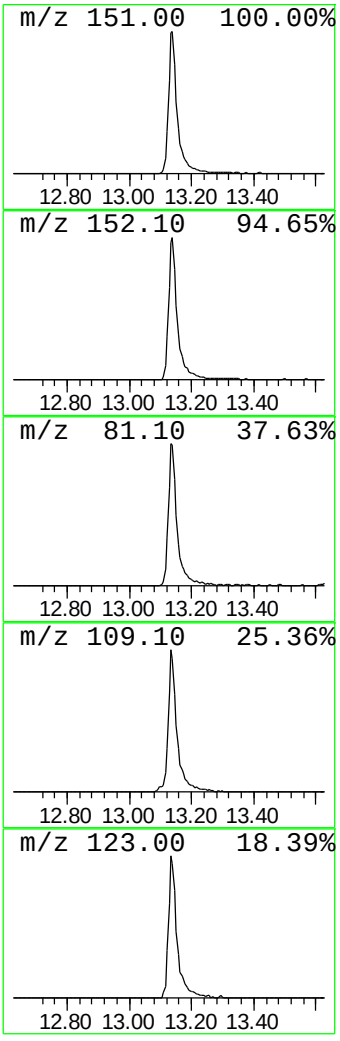
****

Peak Number 4 Vanillin Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.13	20.97 ng/ul	1326960	Acenaphthene-d10	14.20

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	Vanillin	152	C8H8O3	000121-33-5	97
4	Benzaldehyde, 3-hydroxy-4-methoxy-	152	C8H8O3	000621-59-0	96
5	Vanillin	152	C8H8O3	000121-33-5	95





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM120718\
Data File : BM017980.D
Acq On : 06 Dec 2018 23:15
Operator : JU/SJ
Sample : J6171-20
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9Y46

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111918MA.M
Quant Title : SVOA CALIBRATION

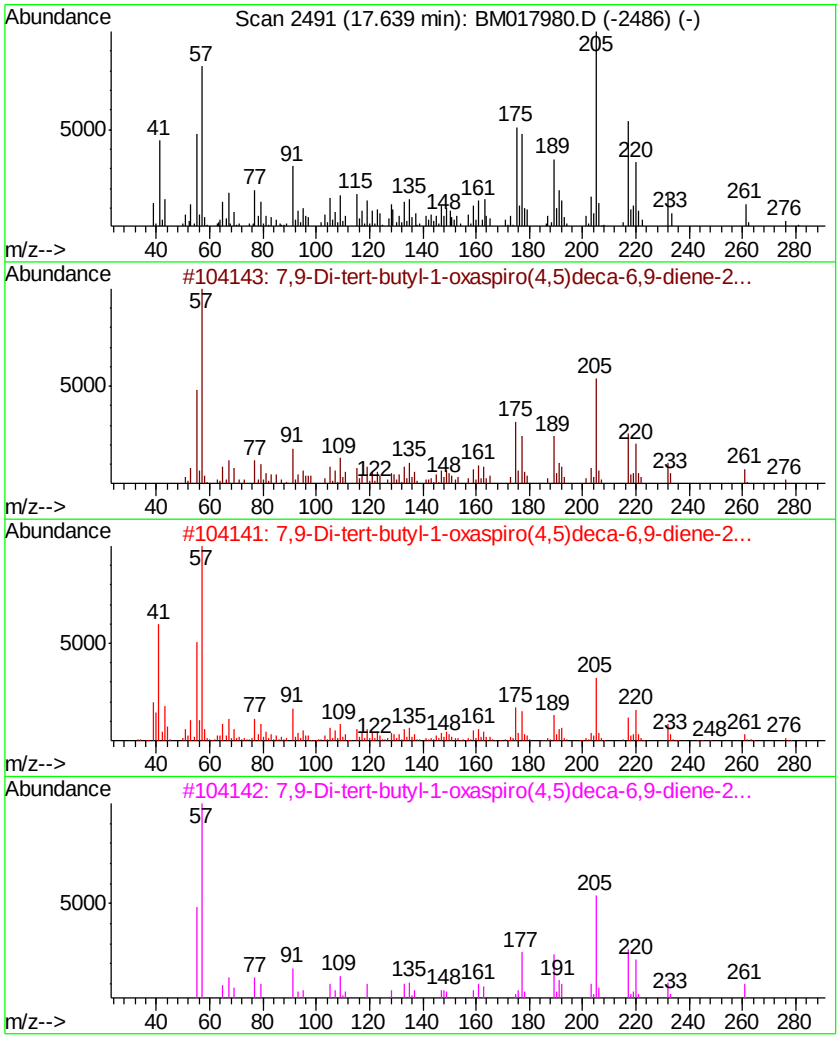
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

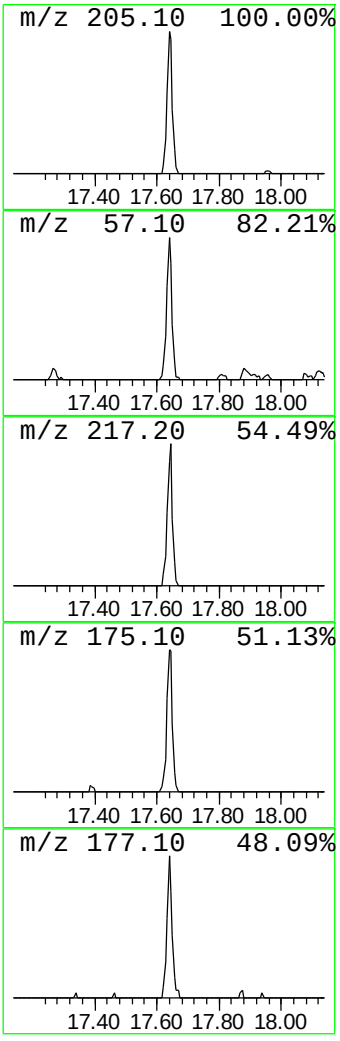
****

Peak Number 5 7,9-Di-tert-butyl-1-oxaspir... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.64	5.17 ng/ul	345412	Phenanthrene-d10	16.96

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	90
4	Ethanone, 1-(5,6,7,8-tetrahydro-...	220	C14H20O2	071596-88-8	50
5	2,5-di-tert-Butyl-1,4-benzoquinone	220	C14H20O2	002460-77-7	45





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM120718\
Data File : BM017980.D
Acq On : 06 Dec 2018 23:15
Operator : JU/SJ
Sample : J6171-20
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9Y46

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111918MA.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
Phenol, 2-methoxy-	8.65	8.0	ng/ul	322581	1	7.56	808468	20.0
Phenol, 2-methoxy...	10.26	4.0	ng/ul	219246	2	10.33	1095350	20.0
Benzothiazole	10.99	5.4	ng/ul	294116	2	10.33	1095350	20.0
Vanillin	13.13	21.0	ng/ul	1326960	3	14.20	1265480	20.0
7,9-Di-tert-butyl...	17.64	5.2	ng/ul	345412	4	16.96	1336280	20.0