LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM091417\
Data File : BM011556.D
Acq On : 15 Sep 2017 00:16
Operator : SJ/JU
Sample : I5191-15
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AE0

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\SOM-EPA-BM090817MA.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	3.393	15	18	23	rBV2	18721	25649	0.20%	0.020%
2	4.040	125	128	135	rBV4	11845	20540	0.16%	0.016%
3	4.146	142	146	153	rVB2	20268	33223	0.26%	0.026%
4	4.510	203	208	215	rBV5	15958	25091	0.20%	0.020%
5	5.081	300	305	311	rBV	45953	77942	0.61%	0.061%
6	5.463	365	370	373	rBV2	16657	26778	0.21%	0.021%
7	5.498	373	376	384	rVB2	19185	30939	0.24%	0.024%
8	6.016	457	464	476	rBV	3186865	5014559	39.11%	3.923%
9	6.187	485	493	496	rBV8	13003	23484	0.18%	0.018%
10	6.622	564	567	573	rVB7	11842	19509	0.15%	0.015%
11	6.945	616	622	635	rBV3	25400	76430	0.60%	0.060%
12	7.063	638	642	646	rVV4	16483	30276	0.24%	0.024%
13	7.122	646	652	669	rVB	348875	657190	5.13%	0.514%
14	7.292	675	681	694	rBV	1668156	2652386	20.69%	2.075%
15	7.386	694	697	705	rVB5	14266	29012	0.23%	0.023%
16	7.498	709	716	734	rBV	1522587	2531786	19.75%	1.981%
17	7.975	789	797	802	rBV	1522614	2570207	20.05%	2.011%
18	8.028	802	806	819	rVB	279076	488046	3.81%	0.382%
19	8.233	833	841	842	rBV5	9000	15247	0.12%	0.012%
20	8.251	842	844	849	rVB6	9890	14225	0.11%	0.011%
21	8.522	883	890	894	rBV5	10346	20763	0.16%	0.016%
22	8.586	896	901	908	rVV2	43595	88480	0.69%	0.069%
23	8.669	908	915	928	rVV	1042769	1859760	14.50%	1.455%
24	8.804	931	938	946	rVB2	35963	74758	0.58%	0.058%
25	9.069	976	983	988	rBV	471721	831625	6.49%	0.651%
26	9.133	988	994	1000	rVV	2038283	3453978	26.94%	2.702%
27	9.181	1000	1002	1015	rVV2	122385	255406	1.99%	0.200%
28	9.292	1015	1021	1037	rVB	175843	358905	2.80%	0.281%
29	9.698	1086	1090	1096	rVB7	8191	15786	0.12%	0.012%
30	9.857	1110	1117	1129	rBV	1554154	2618977	20.43%	2.049%
31	10.080	1153	1155	1165	rVB5	15198	31142	0.24%	0.024%
32	10.286	1185	1190	1196	rVB7	13150	21386	0.17%	0.017%
33	10.392	1201	1208	1221	rBV	2135177	3729214	29.08%	2.918%
34	10.680	1250	1257	1266	rBV2	198984	398076	3.10%	0.311%

LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM091417\
Data File : BM011556.D
Acq On : 15 Sep 2017 00:16
Operator : SJ/JU
Sample : I5191-15
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AE0

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\SOM-EPA-BM090817MA.M
Title : SVOA CALIBRATION

35	10.780	1266	1274	1280	rVV	2277863	3950752	30.81%	3.091%
36	10.827	1280	1282	1288	rVB2	55967	76593	0.60%	0.060%
37	10.922	1294	1298	1307	rBV6	18692	40957	0.32%	0.032%
38	11.010	1309	1313	1316	rVB6	8852	12864	0.10%	0.010%
39	11.169	1332	1340	1344	rBV6	8490	19997	0.16%	0.016%
40	11.433	1378	1385	1398	rVB2	51256	121046	0.94%	0.095%
41	11.545	1398	1404	1415	rBV5	37456	100081	0.78%	0.078%
42	11.763	1434	1441	1449	rBV6	25580	60887	0.47%	0.048%
43	11.939	1463	1471	1477	rBV	46704	85906	0.67%	0.067%
44	12.045	1482	1489	1504	rBV	351656	654670	5.11%	0.512%
45	12.363	1537	1543	1550	rVB	48807	80214	0.63%	0.063%
46	12.580	1576	1580	1586	rVB7	7539	13386	0.10%	0.010%
47	12.663	1589	1594	1599	rBV3	17657	31791	0.25%	0.025%
48	12.804	1614	1618	1622	rBV5	10646	15458	0.12%	0.012%
49	12.874	1625	1630	1634	rBV4	36339	66937	0.52%	0.052%
50	12.957	1641	1644	1652	rVB2	46309	79116	0.62%	0.062%
51	13.057	1658	1661	1665	rVV	16440	17631	0.14%	0.014%
52	13.104	1665	1669	1674	rVB6	16502	28051	0.22%	0.022%
53	13.204	1678	1686	1691	rBV	76115	116942	0.91%	0.091%
54	13.521	1729	1740	1757	rBV	1652608	2662326	20.76%	2.083%
55	13.915	1803	1807	1810	rBV4	12224	18818	0.15%	0.015%
56	13.963	1810	1815	1816	rVV3	45964	66092	0.52%	0.052%
57	14.004	1816	1822	1828	rVV	4882638	6577080	51.30%	5.146%
58	14.051	1828	1830	1838	rVV	95060	117579	0.92%	0.092%
59	14.121	1838	1842	1848	rVB7	20697	30301	0.24%	0.024%
60	14.298	1863	1872	1885	rBV	5026545	7328506	57.16%	5.734%
61	14.457	1894	1899	1910	rVB	63439	124993	0.97%	0.098%
62	14.604	1913	1924	1932	rBV2	3401679	5230983	40.80%	4.093%
63	14.674	1932	1936	1941	rVB2	45135	63853	0.50%	0.050%
64	14.786	1950	1955	1964	rBV	203790	414723	3.23%	0.324%
65	15.180	2018	2022	2030	rVB5	11312	18669	0.15%	0.015%
66	15.268	2030	2037	2042	rVV	156288	238189	1.86%	0.186%
67	15.333	2045	2048	2054	rVV2	42365	61842	0.48%	0.048%
68	15.404	2054	2060	2066	rVB3	68168	124852	0.97%	0.098%
69	15.592	2085	2092	2103	rBV	6787828	9599690	74.87%	7.511%
70	15.698	2104	2110	2122	rBV	2180754	3110609	24.26%	2.434%
71	15.833	2127	2133	2139	rVB	68692	111848	0.87%	0.088%

LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM091417\
Data File : BM011556.D
Acq On : 15 Sep 2017 00:16
Operator : SJ/JU
Sample : I5191-15
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AE0

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\SOM-EPA-BM090817MA.M
Title : SVOA CALIBRATION

72	15.951	2148	2153	2163	rVB	64096	98389	0.77%	0.077%
73	16.439	2228	2236	2239	rBV9	7834	15991	0.12%	0.013%
74	16.921	2314	2318	2321	rBV3	12303	16967	0.13%	0.013%
75	17.139	2350	2355	2361	rVB3	17476	32394	0.25%	0.025%
76	17.339	2382	2389	2399	rBV2	4275550	6220771	48.52%	4.867%
77	17.439	2399	2406	2420	rBV	8191575	11035532	86.07%	8.634%
78	17.609	2431	2435	2440	rVB	54625	65217	0.51%	0.051%
79	17.998	2495	2501	2513	rBV	1536568	1924054	15.01%	1.505%
80	18.162	2525	2529	2533	rBV2	30841	44291	0.35%	0.035%
81	18.209	2533	2537	2542	rVV2	61857	93207	0.73%	0.073%
82	18.292	2546	2551	2563	rVB	101406	198999	1.55%	0.156%
83	18.421	2570	2573	2578	rBV3	27722	30939	0.24%	0.024%
84	18.474	2578	2582	2586	rVB3	64256	76813	0.60%	0.060%
85	18.668	2611	2615	2620	rBV5	9840	16343	0.13%	0.013%
86	18.727	2620	2625	2627	rBV5	11499	19131	0.15%	0.015%
87	19.362	2727	2733	2739	rBV	78825	126572	0.99%	0.099%
88	19.427	2742	2744	2749	rBV5	11695	15304	0.12%	0.012%
89	19.480	2749	2753	2758	rBV2	77630	105496	0.82%	0.083%
90	19.615	2771	2776	2782	rBV	63314	108127	0.84%	0.085%
91	19.727	2788	2795	2807	rBV	9560745	12821966	100.00%	10.032%
92	21.503	3092	3097	3104	rBV	5601319	6918315	53.96%	5.413%
93	23.727	3467	3475	3491	rVB2	6017815	11955104	93.24%	9.354%
94	23.880	3493	3501	3513	rVB	3043641	6273479	48.93%	4.909%

Sum of corrected areas: 127808408

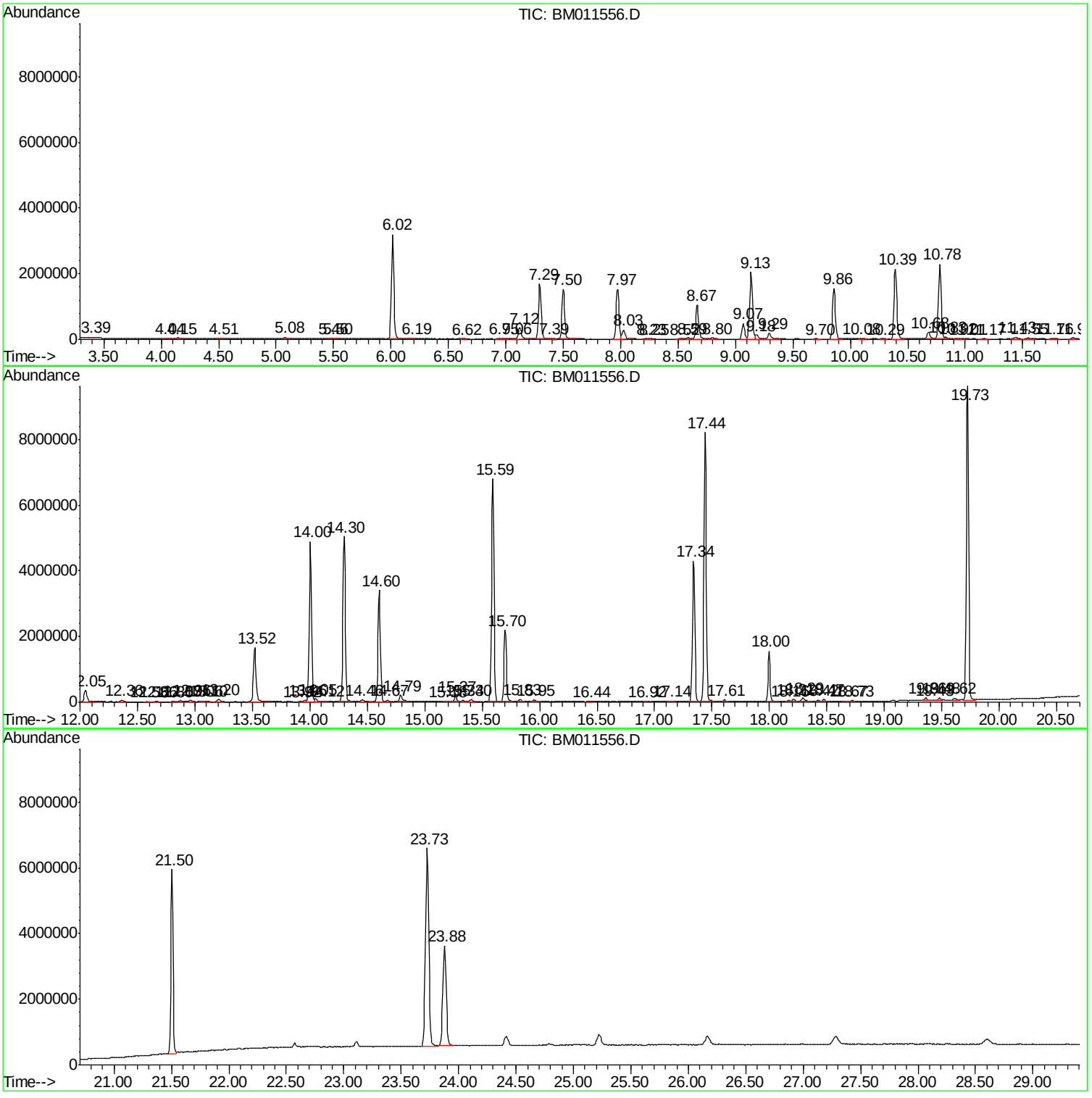
LSC Report - Integrated Chromatogram

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM091417\
Data File : BM011556.D
Acq On : 15 Sep 2017 00:16
Operator : SJ/JU
Sample : I5191-15
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AE0

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM090817MA.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM091417\
Data File : BM011556.D
Acq On : 15 Sep 2017 00:16
Operator : SJ/JU
Sample : I5191-15
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AE0

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM090817MA.M
Quant Title : SVOA CALIBRATION

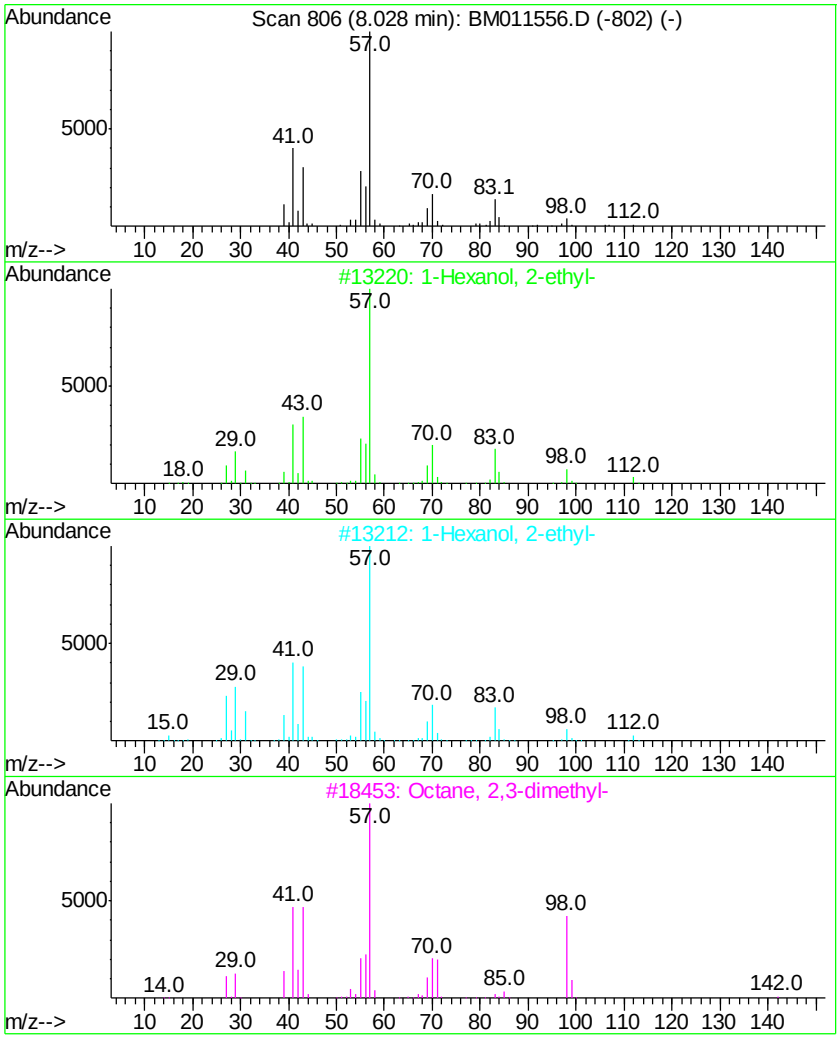
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

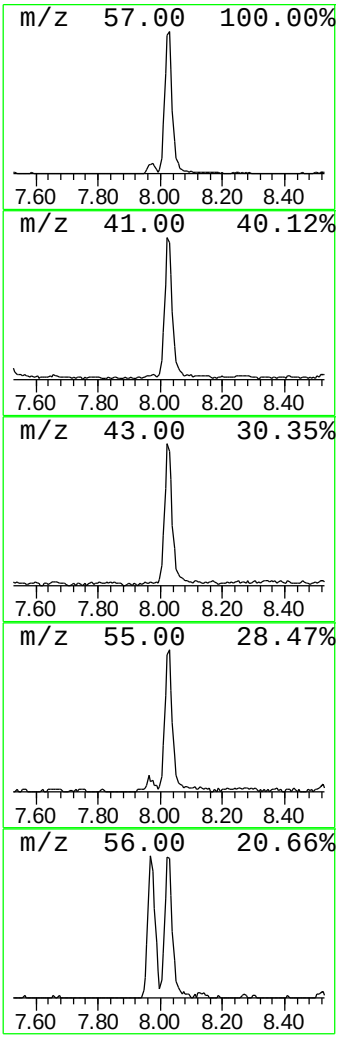
****

Peak Number 2 1-Hexanol, 2-ethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.03	3.80 ng/ul	488046	1,4-Dichlorobenzene-d4	7.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	56
2	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	50
3	Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	45
4	4-Bromoheptane	178	C7H15Br	000998-93-6	43
5	1-Isobutoxy-2-ethylhexane	186	C12H26O	1000139-90-3	43





Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM091417\
Data File : BM011556.D
Acq On : 15 Sep 2017 00:16
Operator : SJ/JU
Sample : I5191-15
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AE0

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM090817MA.M
Quant Title : SVOA CALIBRATION

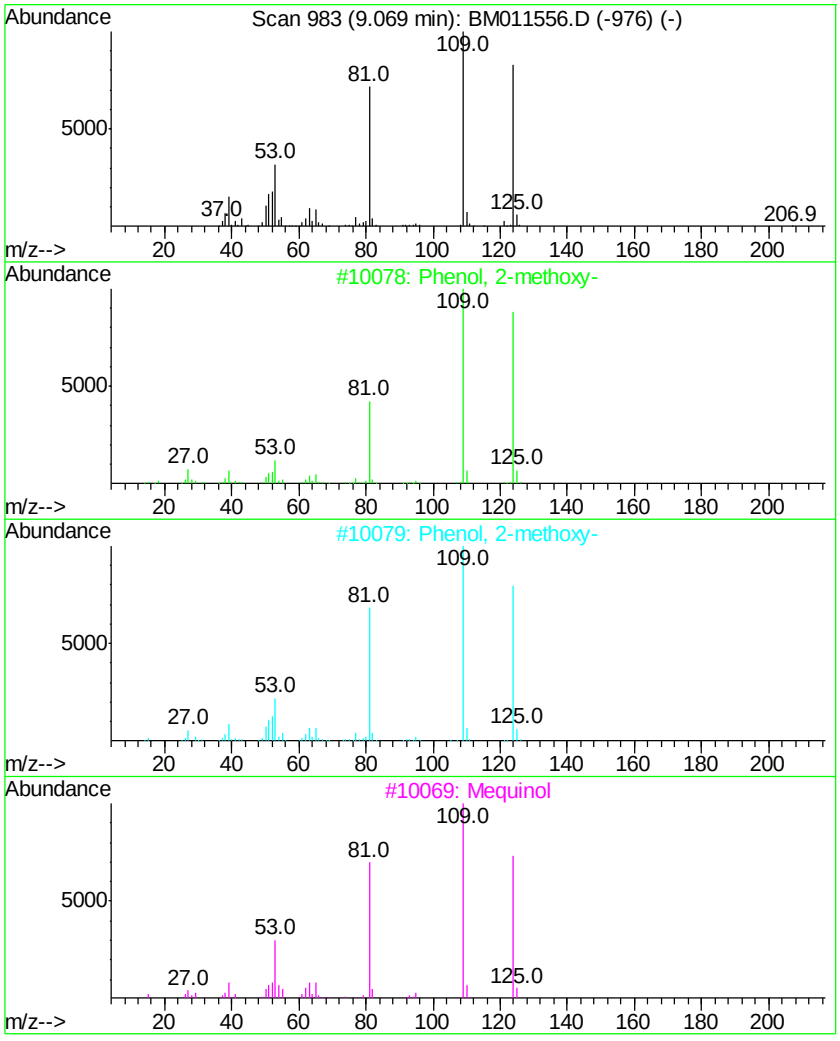
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

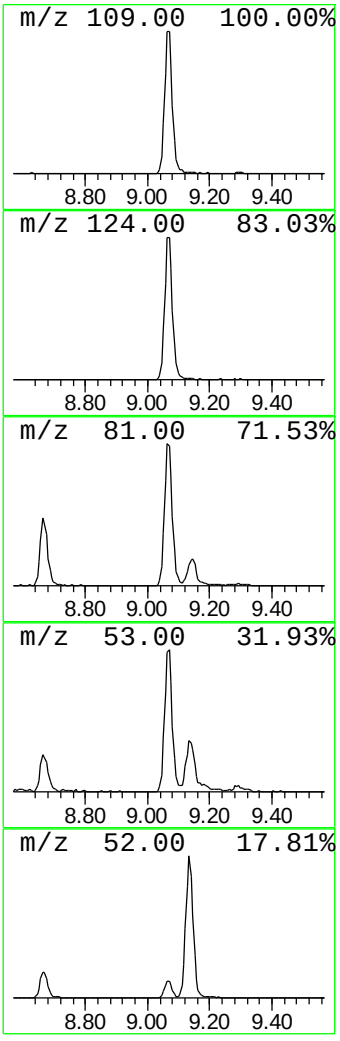
****

Peak Number 3 Phenol, 2-methoxy- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.07	6.47 ng/ul	831625	1,4-Dichlorobenzene-d4	7.97

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	93
3	Mequinol	124	C7H8O2	000150-76-5	93
4	Mequinol	124	C7H8O2	000150-76-5	90
5	Phenol, 2-methoxy-	124	C7H8O2	000090-05-1	90





Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM091417\
Data File : BM011556.D
Acq On : 15 Sep 2017 00:16
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ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AE0

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM090817MA.M
Quant Title : SVOA CALIBRATION

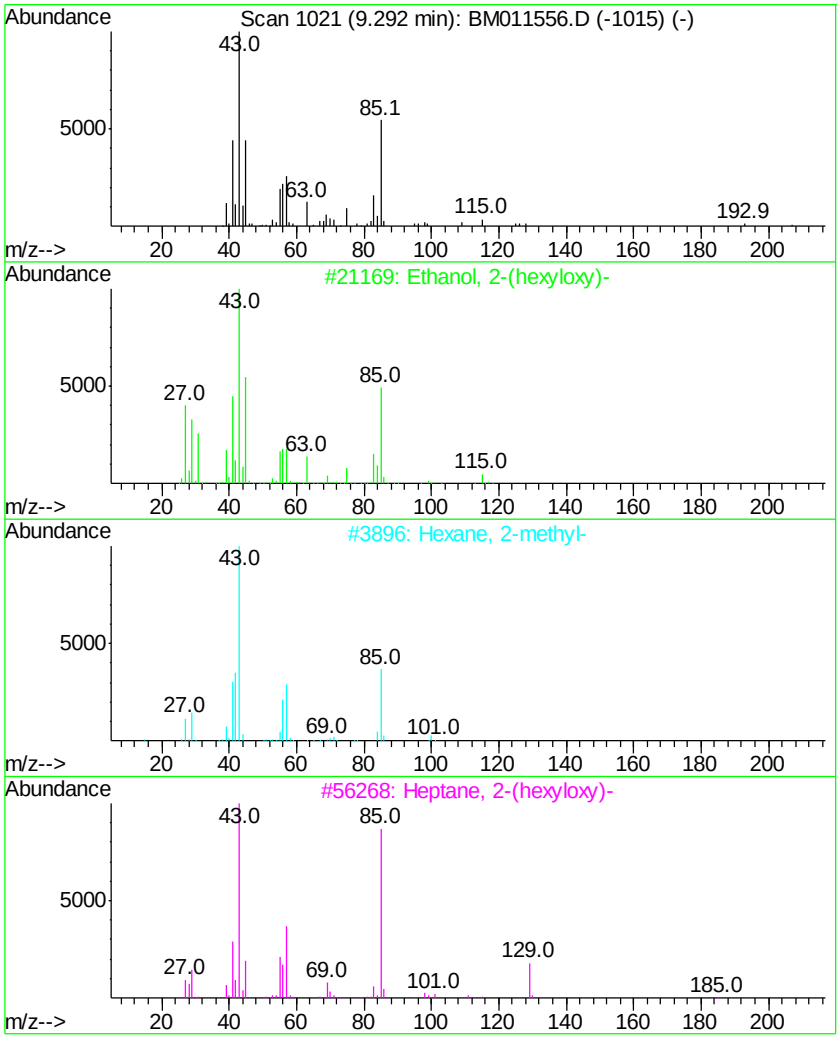
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

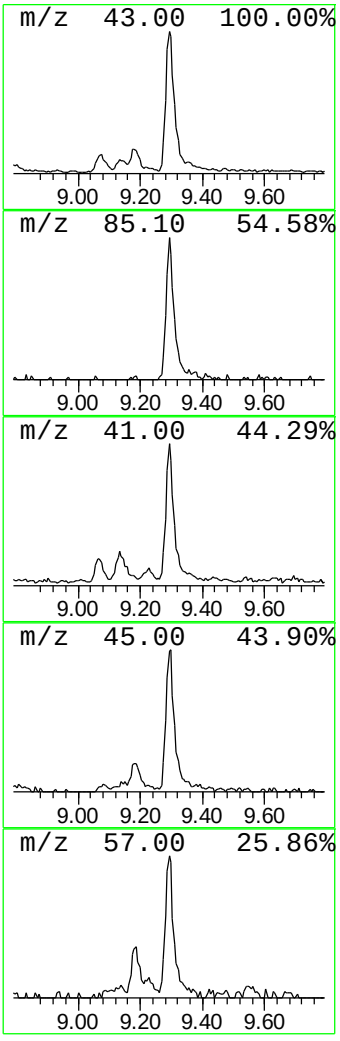
****

Peak Number 4 Ethanol, 2-(hexyloxy)- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.29	2.79 ng/ul	358905	1,4-Dichlorobenzene-d4	7.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol, 2-(hexyloxy)-	146	C8H18O2	000112-25-4	50
2	Hexane, 2-methyl-	100	C7H16	000591-76-4	35
3	Heptane, 2-(hexyloxy)-	200	C13H28O	074663-79-9	32
4	Hexane, 2-methyl-	100	C7H16	000591-76-4	27
5	Hexane, 1,1'-oxybis-	186	C12H26O	000112-58-3	25





Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM091417\
Data File : BM011556.D
Acq On : 15 Sep 2017 00:16
Operator : SJ/JU
Sample : I5191-15
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AE0

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM090817MA.M
Quant Title : SVOA CALIBRATION

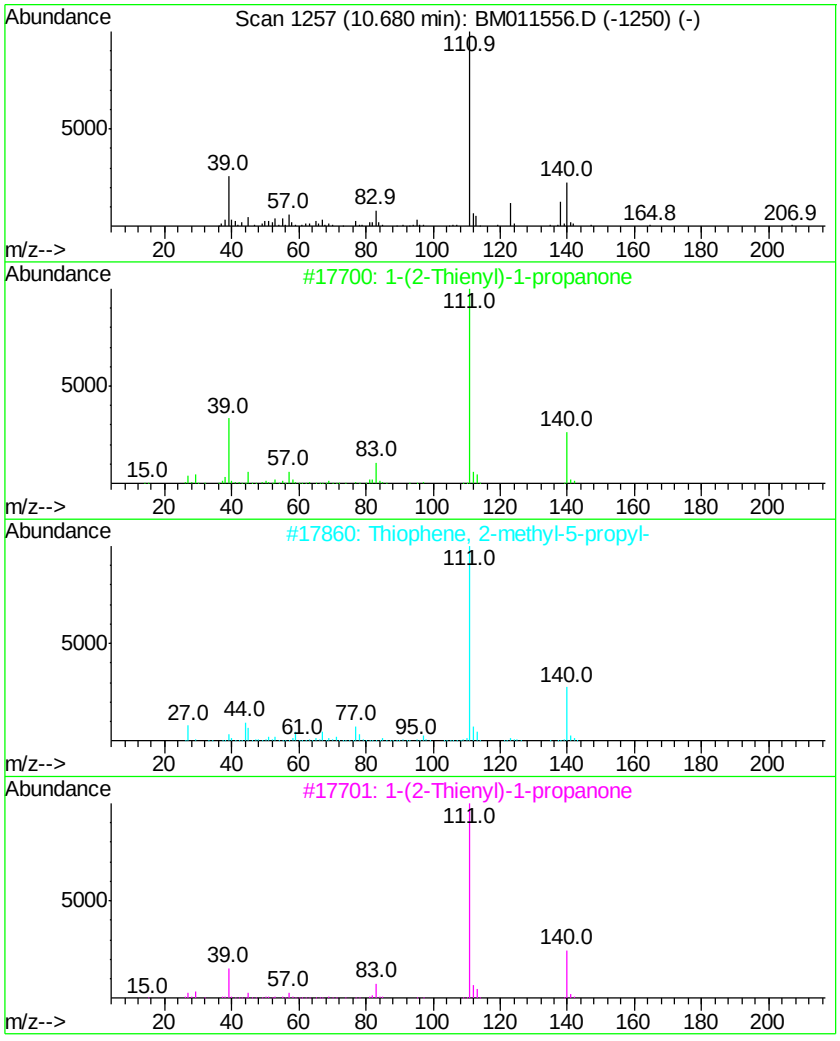
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

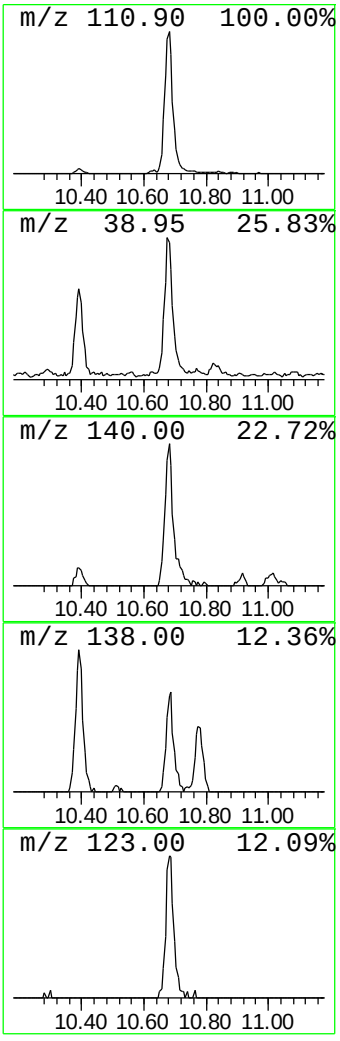
****

Peak Number 5 1-(2-Thienyl)-1-propanone Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.68	2.02 ng/ul	398076	Naphthalene-d8	10.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-(2-Thienyl)-1-propanone	140	C7H8OS	013679-75-9	81
2	Thiophene, 2-methyl-5-propyl-	140	C8H12S	033933-73-2	72
3	1-(2-Thienyl)-1-propanone	140	C7H8OS	013679-75-9	72
4	.beta.-L-Mannofuranose, 6-deoxy-...	240	C10H18B2O5	062930-52-3	64
5	2H-Pyran-2-carboxaldehyde, 3,4-d...	140	C8H12O2	001920-21-4	64





Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM091417\
Data File : BM011556.D
Acq On : 15 Sep 2017 00:16
Operator : SJ/JU
Sample : I5191-15
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AE0

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM090817MA.M
Quant Title : SVOA CALIBRATION

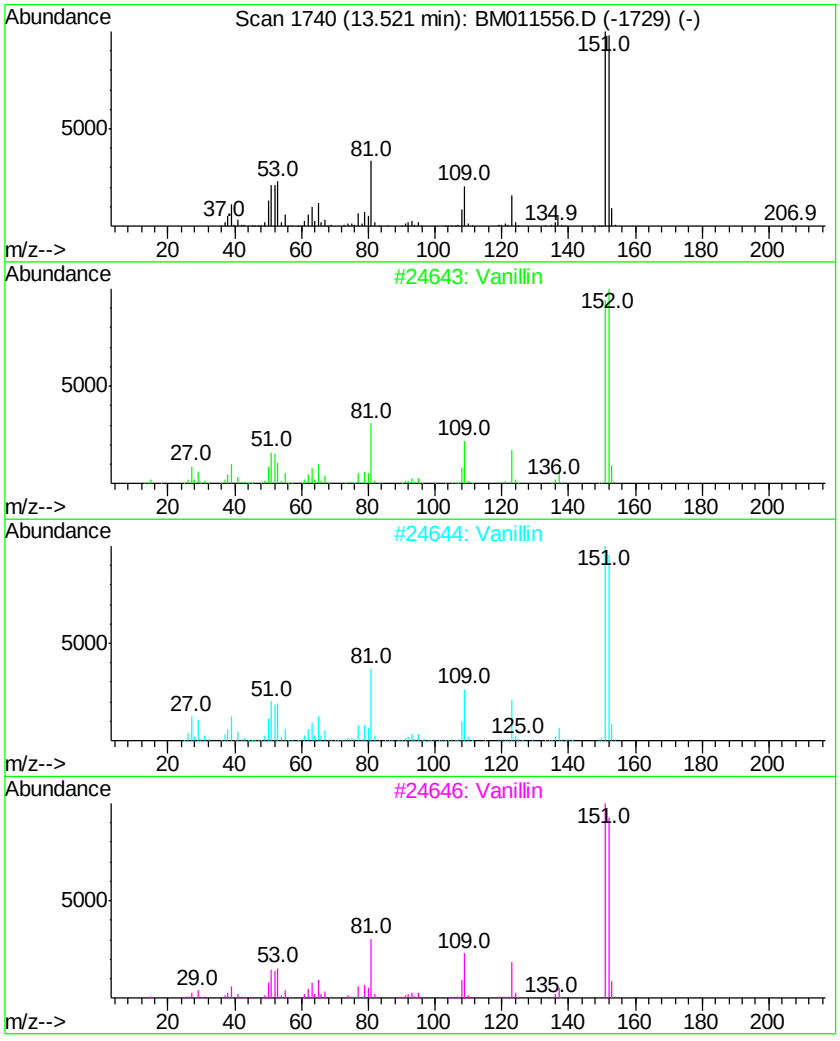
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

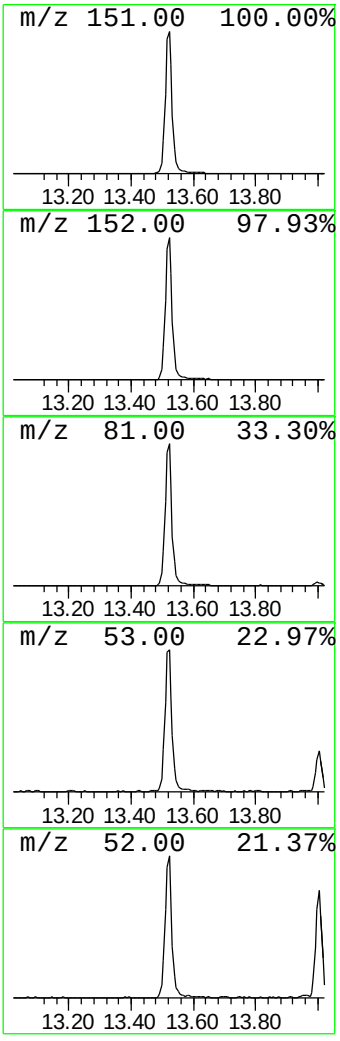
****

Peak Number 6 Vanillin Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.52	10.18 ng/ul	2662330	Acenaphthene-d10	14.60

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	Vanillin	152	C8H8O3	000121-33-5	96
4	Benzaldehyde, 3-hydroxy-4-methoxy-	152	C8H8O3	000621-59-0	94
5	Benzaldehyde, 3-hydroxy-4-methoxy-	152	C8H8O3	000621-59-0	94





Library Search Compound Report

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Data File : BM011556.D
Acq On : 15 Sep 2017 00:16
Operator : SJ/JU
Sample : I5191-15
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AE0

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM090817MA.M
Quant Title : SVOA CALIBRATION

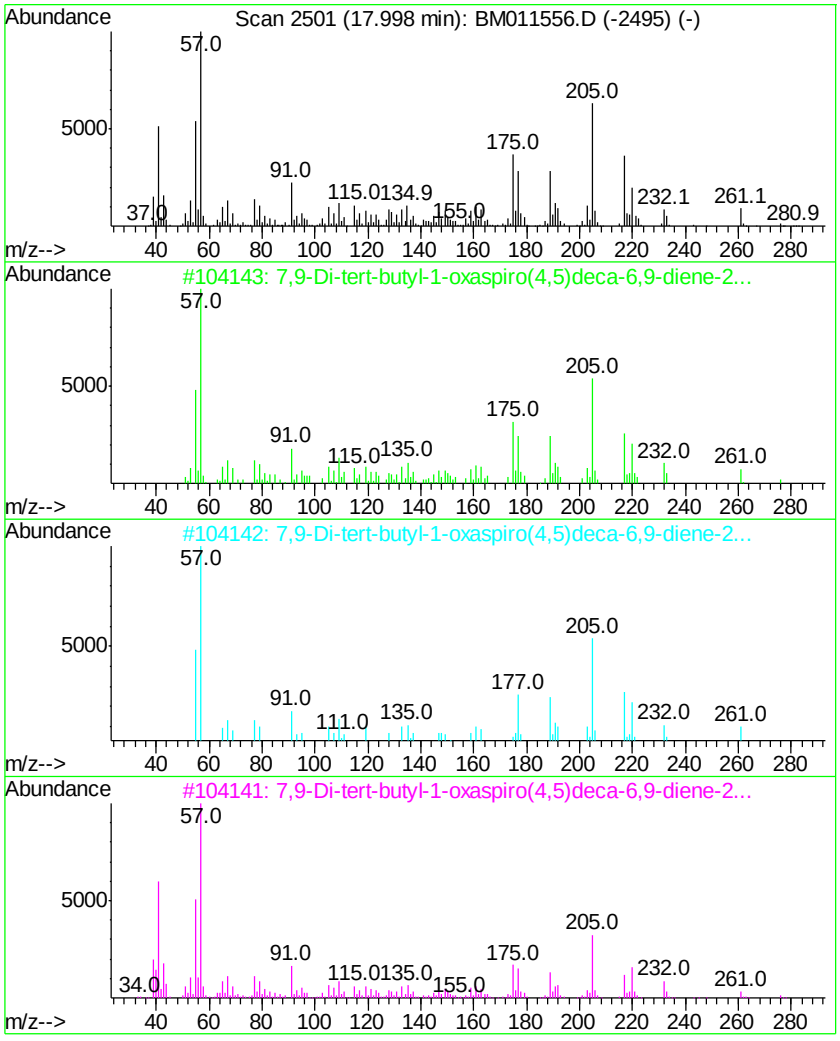
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

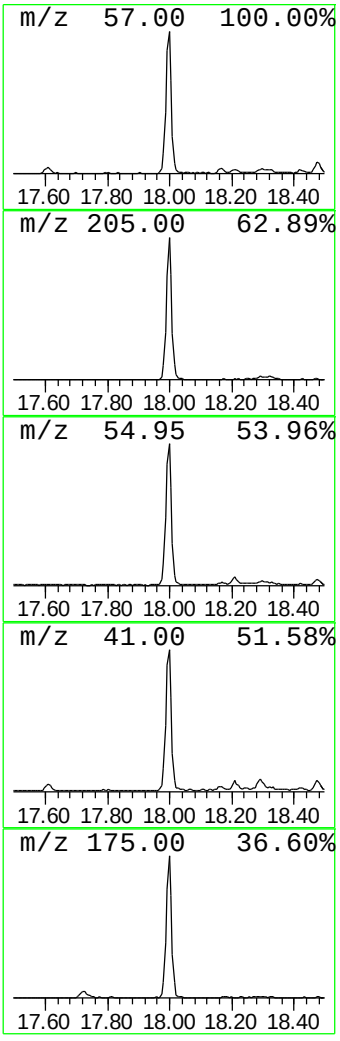
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.00	6.19 ng/ul	1924050	Phenanthrene-d10	17.34

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	93
3	7,9-Di-tert-butyl-1-oxaspiro(4,5...	276	C17H24O3	082304-66-3	60
4	Ethanone, 1-(5,6,7,8-tetrahydro-...	220	C14H20O2	071596-88-8	38
5	Benzenamine, N,N-diethyl-4-(2-ni...	220	C12H16N2O2	064462-51-7	30





Tentatively Identified Compound (LSC) summary

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_M\DATA\BM091417\
Data File : BM011556.D
Acq On : 15 Sep 2017 00:16
Operator : SJ/JU
Sample : I5191-15
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AE0

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM090817MA.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
1-Hexanol, 2-ethyl-	8.03	3.8	ng/ul	488046	1	7.97	2570210	20.0
Phenol, 2-methoxy-	9.07	6.5	ng/ul	831625	1	7.97	2570210	20.0
Ethanol, 2-(hexyl...	9.29	2.8	ng/ul	358905	1	7.97	2570210	20.0
1-(2-Thienyl)-1-p...	10.68	2.0	ng/ul	398076	2	10.78	3950750	20.0
Vanillin	13.52	10.2	ng/ul	2662330	3	14.60	5230980	20.0
7,9-Di-tert-butyl...	18.00	6.2	ng/ul	1924050	4	17.34	6220770	20.0