LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM120517\
Data File : BM013190.D
Acq On : 05 Dec 2017 14:18
Operator : SJ/JU
Sample : I6647-16
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0287

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 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-BM113017.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	3.246	24	27	33	rBV2	58739	81714	1.11%	0.113%
2	5.775	451	457	471	rVB	849468	1318854	17.92%	1.831%
3	6.881	639	645	656	rVB2	209717	414456	5.63%	0.575%
4	7.045	664	673	685	rBV	894140	1332988	18.11%	1.850%
5	7.239	699	706	716	rVB	930686	1444008	19.62%	2.004%
6	7.704	776	785	791	rBV	882624	1390223	18.89%	1.930%
7	7.769	791	796	803	rVB	110844	170725	2.32%	0.237%
8	7.945	818	826	830	rBV2	60945	104163	1.42%	0.145%
9	8.410	899	905	914	rBV	685198	1086973	14.77%	1.509%
10	8.522	919	924	930	rVB	86562	131411	1.79%	0.182%
11	8.792	962	970	975	rBV	632917	1041507	14.15%	1.446%
12	8.857	975	981	986	rVV	1235651	2034619	27.64%	2.824%
13	8.898	986	988	996	rVB	117520	172567	2.34%	0.240%
14	9.575	1094	1103	1112	rBV	1061120	1769816	24.04%	2.457%
15	9.739	1123	1131	1138	rBV3	44689	96325	1.31%	0.134%
16	10.110	1186	1194	1203	rBV	1464384	2431012	33.02%	3.374%
17	10.392	1236	1242	1251	rBV2	201428	384263	5.22%	0.533%
18	10.486	1251	1258	1264	rVV	1232972	2077816	28.23%	2.884%
19	10.539	1264	1267	1273	rVB5	48601	77360	1.05%	0.107%
20	11.080	1354	1359	1363	rVV	56521	95441	1.30%	0.132%
21	11.133	1363	1368	1377	rVB	213419	379369	5.15%	0.527%
22	11.657	1451	1457	1461	rBV2	51506	81001	1.10%	0.112%
23	11.780	1469	1478	1485	rBV3	147063	280270	3.81%	0.389%
24	12.110	1531	1534	1540	rVB2	47163	73656	1.00%	0.102%
25	12.604	1611	1618	1623	rBV	54002	81997	1.11%	0.114%
26	12.698	1628	1634	1641	rVB	134971	218516	2.97%	0.303%
27	12.951	1668	1677	1686	rBV2	190593	298843	4.06%	0.415%
28	13.263	1722	1730	1737	rBV	476923	802058	10.90%	1.113%
29	13.757	1808	1814	1826	rVB	3024102	4262223	57.90%	5.916%
30	14.033	1851	1861	1867	rBV	3354135	5024640	68.26%	6.975%
31	14.204	1885	1890	1895	rBV	137489	193784	2.63%	0.269%
32	14.345	1903	1914	1922	rBV2	1972475	2987144	40.58%	4.146%
33	14.557	1944	1950	1956	rBV	215221	342329	4.65%	0.475%
34	15.027	2024	2030	2038	rBV2	46699	86249	1.17%	0.120%

LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM120517\
Data File : BM013190.D
Acq On : 05 Dec 2017 14:18
Operator : SJ/JU
Sample : I6647-16
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0287

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 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-BM113017.M
Title : SVOA CALIBRATION

35	15.151	2047	2051	2053	rBV	82596	111998	1.52%	0.155%
36	15.339	2076	2083	2092	rVV	4276229	6054397	82.25%	8.404%
37	15.462	2095	2104	2118	rBV	1382247	1882844	25.58%	2.614%
38	15.580	2119	2124	2129	rVB3	54221	87884	1.19%	0.122%
39	15.710	2141	2146	2151	rVB2	66748	99102	1.35%	0.138%
40	16.039	2197	2202	2207	rBV2	48435	81978	1.11%	0.114%
41	17.092	2373	2381	2391	rVB2	2574186	3677064	49.95%	5.104%
42	17.192	2391	2398	2409	rBV2	4767259	6718890	91.27%	9.326%
43	17.762	2491	2495	2500	rBV2	380023	476028	6.47%	0.661%
44	17.992	2530	2534	2539	rBV3	71386	88029	1.20%	0.122%
45	18.062	2542	2546	2555	rVB	47493	73834	1.00%	0.102%
46	19.115	2721	2725	2730	rBV2	54714	79640	1.08%	0.111%
47	19.274	2747	2752	2761	rBV4	111937	166612	2.26%	0.231%
48	19.486	2781	2788	2793	rBV	5392607	7361277	100.00%	10.218%
49	19.539	2793	2797	2804	rVB	173907	256639	3.49%	0.356%
50	21.274	3087	3092	3098	rBV	2827478	3684413	50.05%	5.114%
51	22.838	3355	3358	3363	rVB4	91686	127802	1.74%	0.177%
52	23.368	3440	3448	3460	rVB	2803054	5301582	72.02%	7.359%
53	23.503	3465	3471	3480	rVB	1417545	2720887	36.96%	3.777%
54	24.044	3560	3563	3571	rVB6	108390	222458	3.02%	0.309%

Sum of corrected areas: 72041678

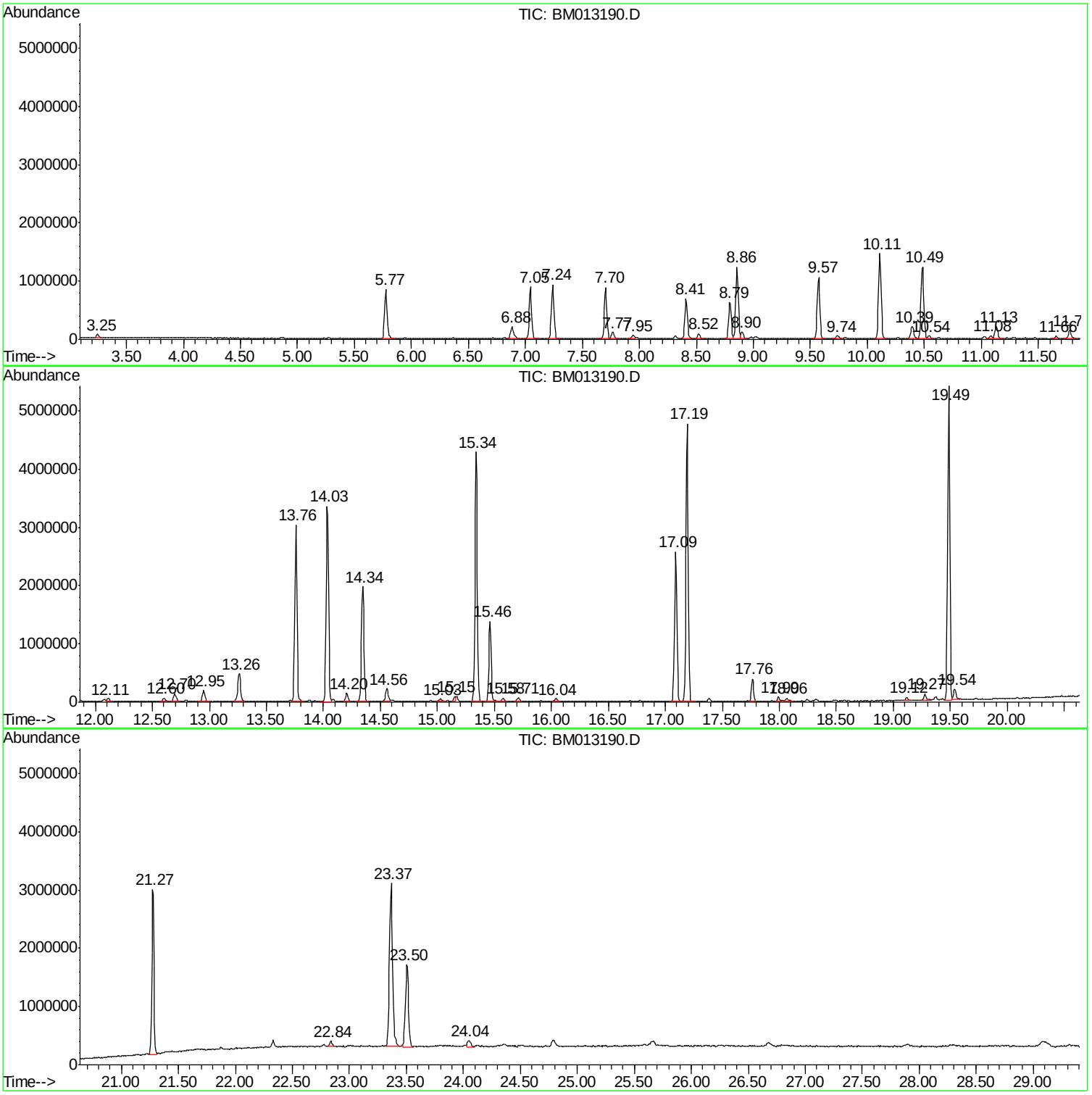
LSC Report - Integrated Chromatogram

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM120517\
Data File : BM013190.D
Acq On : 05 Dec 2017 14:18
Operator : SJ/JU
Sample : I6647-16
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0287

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM120517\
Data File : BM013190.D
Acq On : 05 Dec 2017 14:18
Operator : SJ/JU
Sample : I6647-16
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0287

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

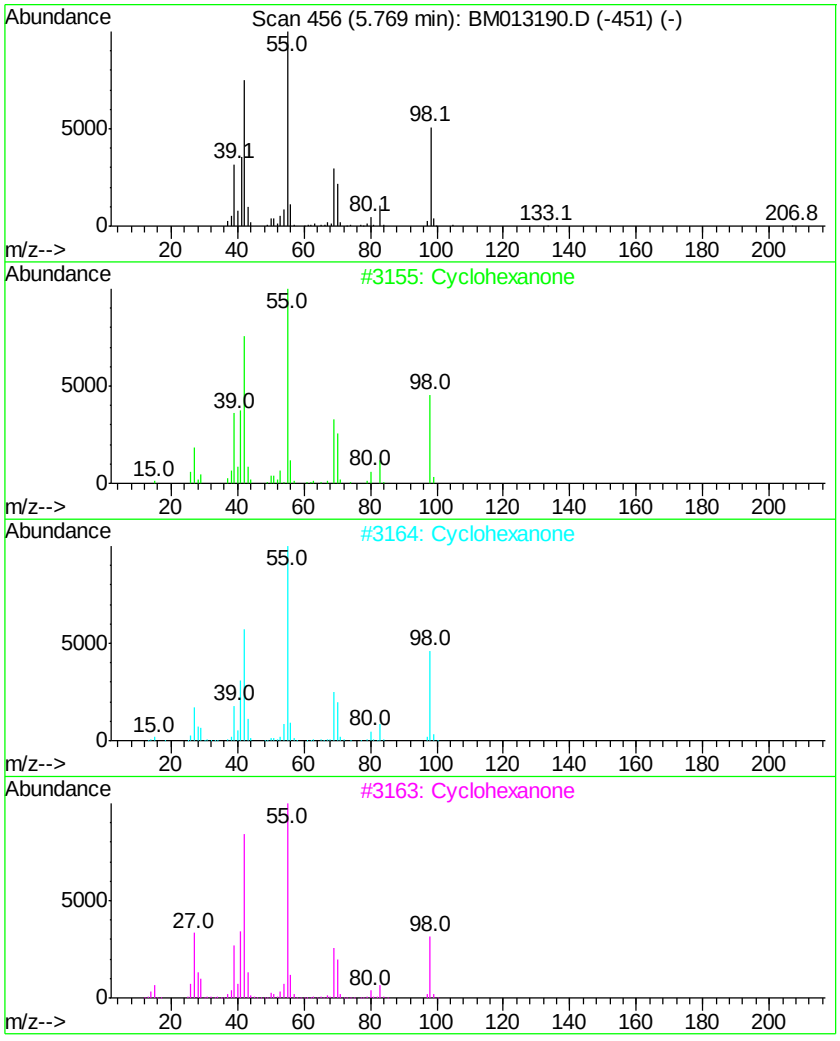
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

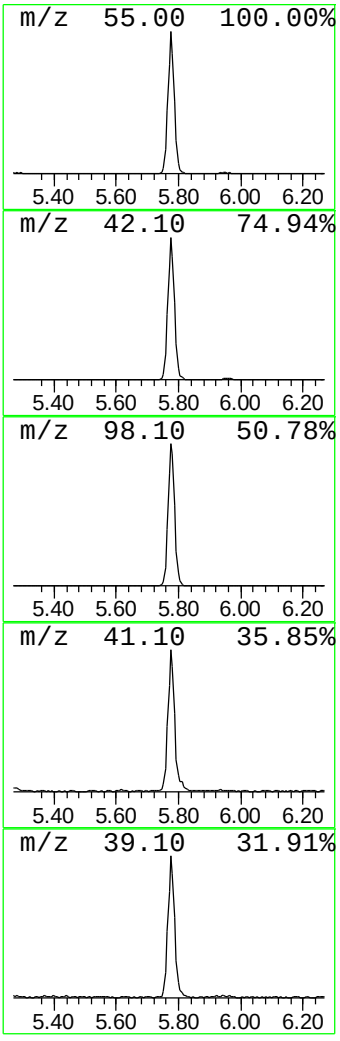
****

Peak Number 1 Cyclohexanone Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.77	18.97 ng/ul	1318850	1,4-Dichlorobenzene-d4	7.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexanone	98	C6H10O	000108-94-1	95
2	Cyclohexanone	98	C6H10O	000108-94-1	91
3	Cyclohexanone	98	C6H10O	000108-94-1	91
4	Cyclohexanone	98	C6H10O	000108-94-1	90
5	Cyclohexanone	98	C6H10O	000108-94-1	87





Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM120517\
Data File : BM013190.D
Acq On : 05 Dec 2017 14:18
Operator : SJ/JU
Sample : I6647-16
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0287

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

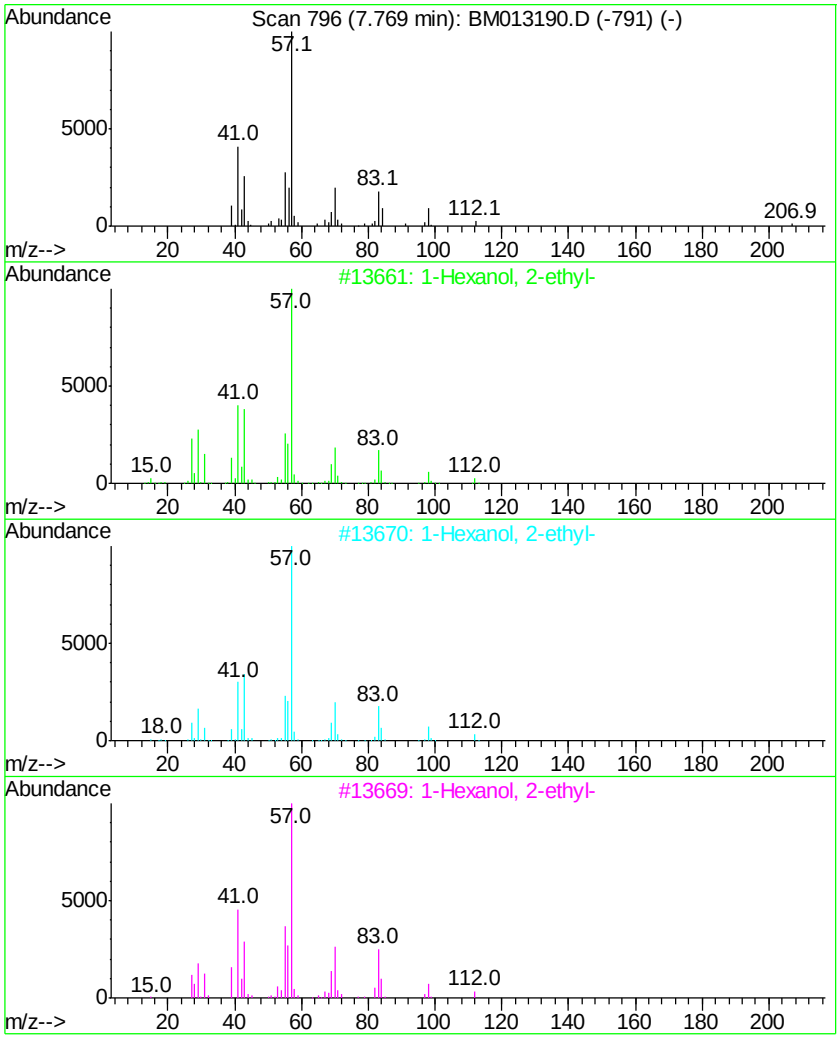
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

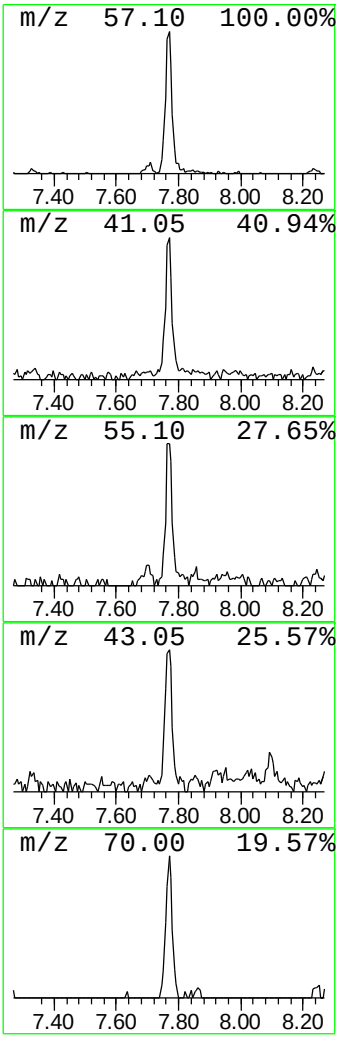
****

Peak Number 2 1-Hexanol, 2-ethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.77	2.46 ng/ul	170725	1,4-Dichlorobenzene-d4	7.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	78
2	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	78
3	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	72
4	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	64
5	2-Ethyl-1-hexanol, methyl ether	144	C9H20O	1000365-10-2	59





Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM120517\
Data File : BM013190.D
Acq On : 05 Dec 2017 14:18
Operator : SJ/JU
Sample : I6647-16
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0287

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

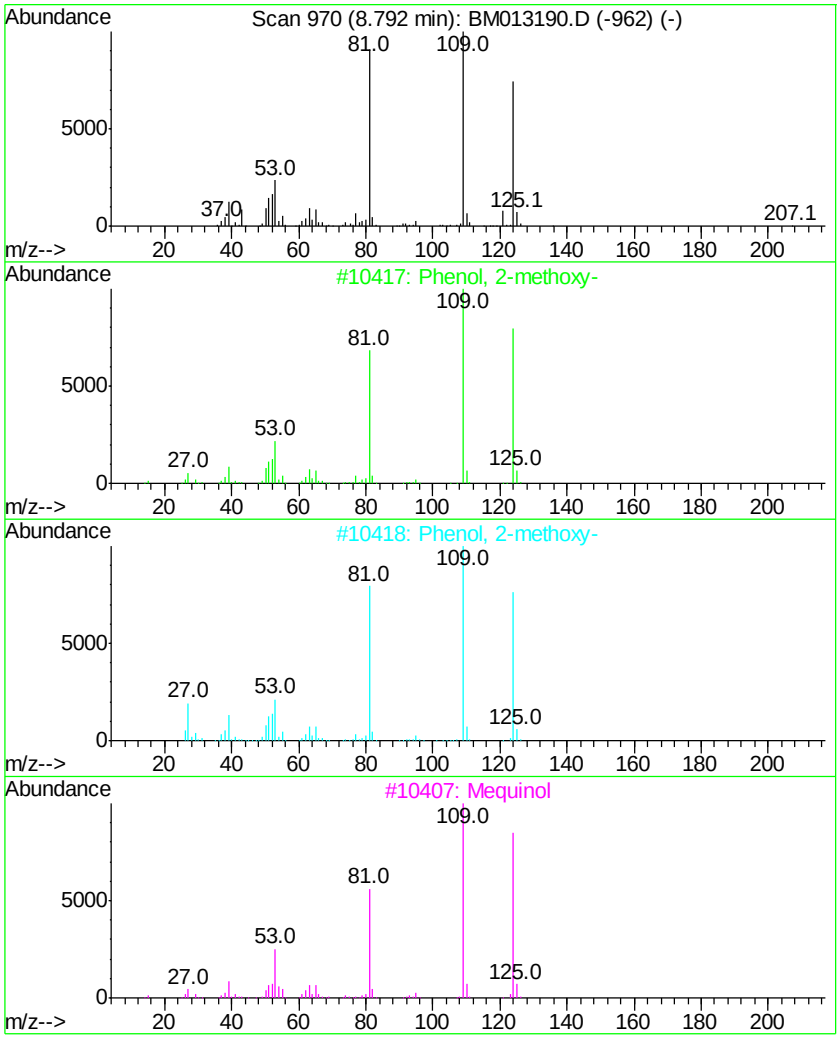
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

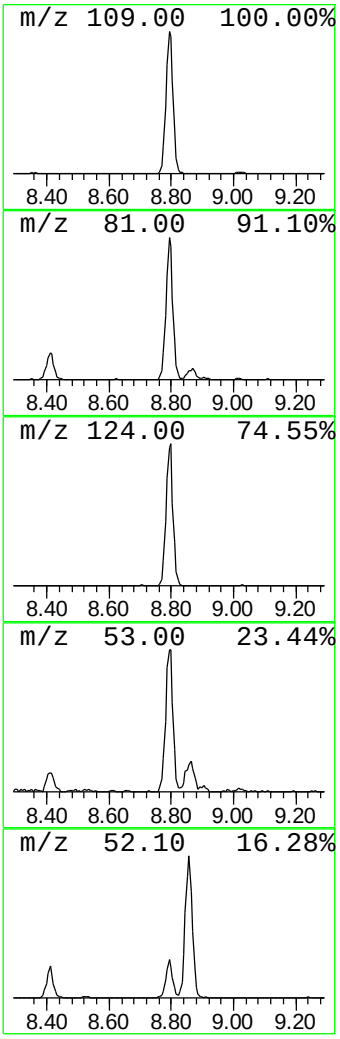
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.79	14.98 ng/ul	1041510	1,4-Dichlorobenzene-d4	7.70

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	95
3	Mequinol	124	C7H8O2	000150-76-5	92
4	Phenol, 2-methoxy-	124	C7H8O2	000090-05-1	91
5	Phenol, 2-methoxy-	124	C7H8O2	000090-05-1	89





Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM120517\
Data File : BM013190.D
Acq On : 05 Dec 2017 14:18
Operator : SJ/JU
Sample : I6647-16
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0287

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

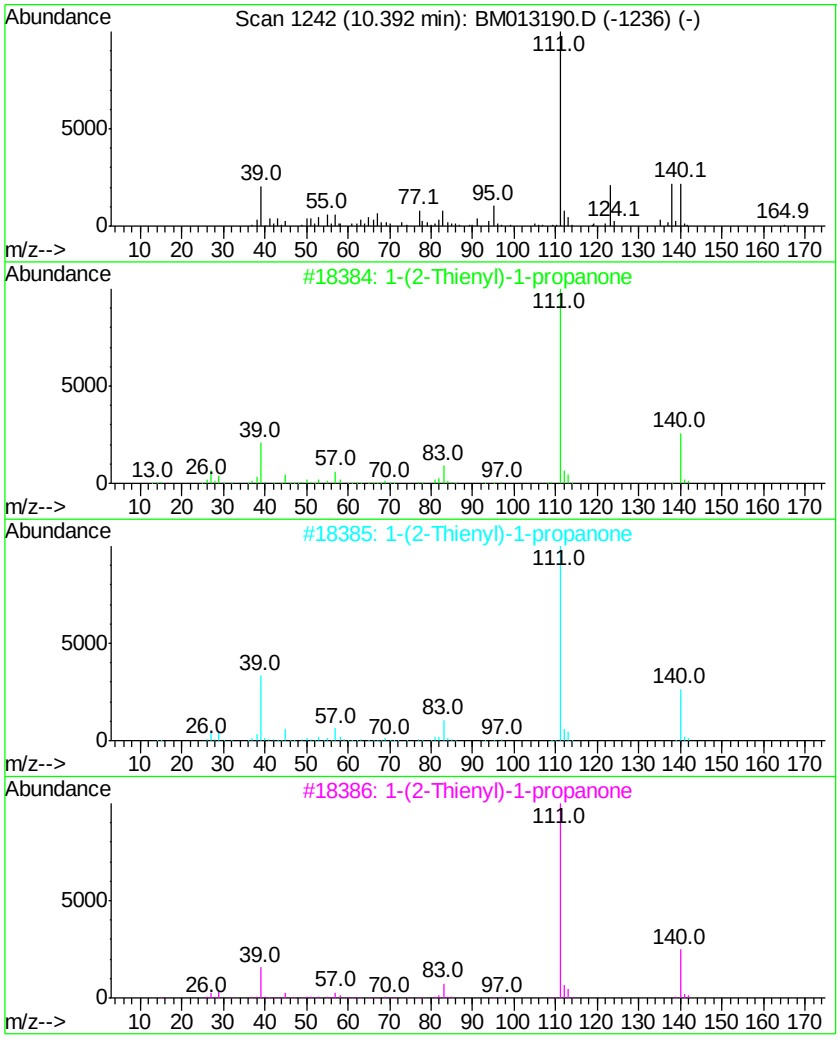
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

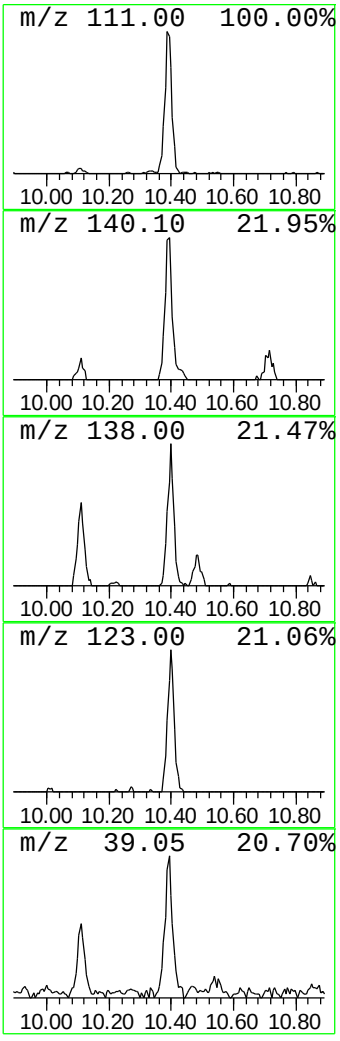
****

Peak Number 4 1-(2-Thienyl)-1-propanone Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.39	3.70 ng/ul	384263	Naphthalene-d8	10.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-(2-Thienyl)-1-propanone	140	C7H8OS	013679-75-9	64
2	1-(2-Thienyl)-1-propanone	140	C7H8OS	013679-75-9	58
3	1-(2-Thienyl)-1-propanone	140	C7H8OS	013679-75-9	52
4	3-Aminopyrazine 1-oxide	111	C4H5N3O	006863-77-0	43
5	2H-Pyran-2-carboxaldehyde, 3,4-d...	140	C8H12O2	001920-21-4	40





Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM120517\
Data File : BM013190.D
Acq On : 05 Dec 2017 14:18
Operator : SJ/JU
Sample : I6647-16
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0287

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

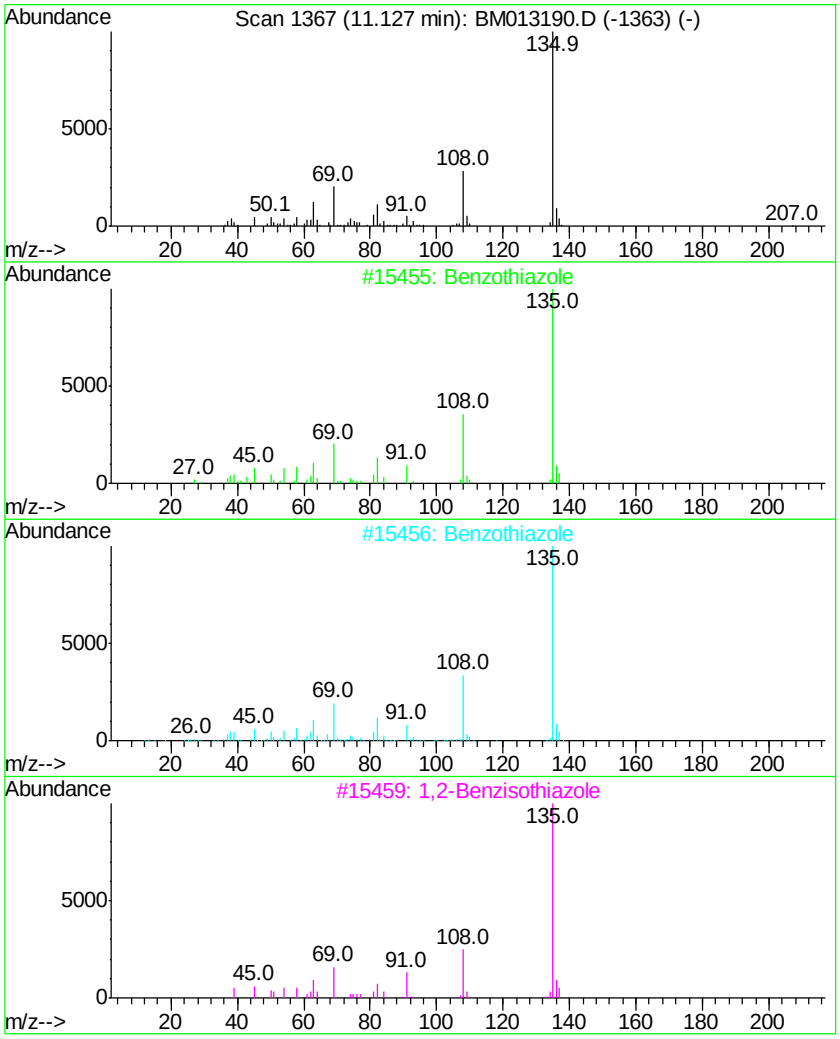
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

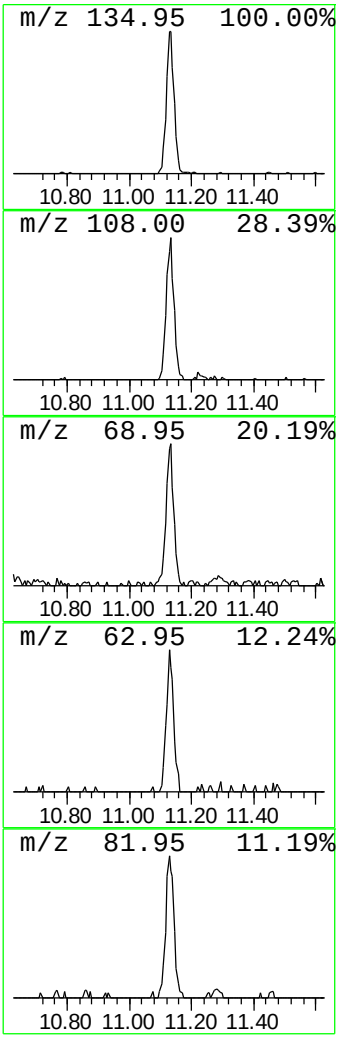
****

Peak Number 5 Benzothiazole Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.13	3.65 ng/ul	379369	Naphthalene-d8	10.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzothiazole	135	C7H5NS	000095-16-9	93
2	Benzothiazole	135	C7H5NS	000095-16-9	91
3	1,2-Benzisothiazole	135	C7H5NS	000272-16-2	90
4	Benzothiazole	135	C7H5NS	000095-16-9	83
5	2-Fluoro-4-cyanotoluene	135	C8H6FN	170572-49-3	64





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM120517\
Data File : BM013190.D
Acq On : 05 Dec 2017 14:18
Operator : SJ/JU
Sample : I6647-16
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0287

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

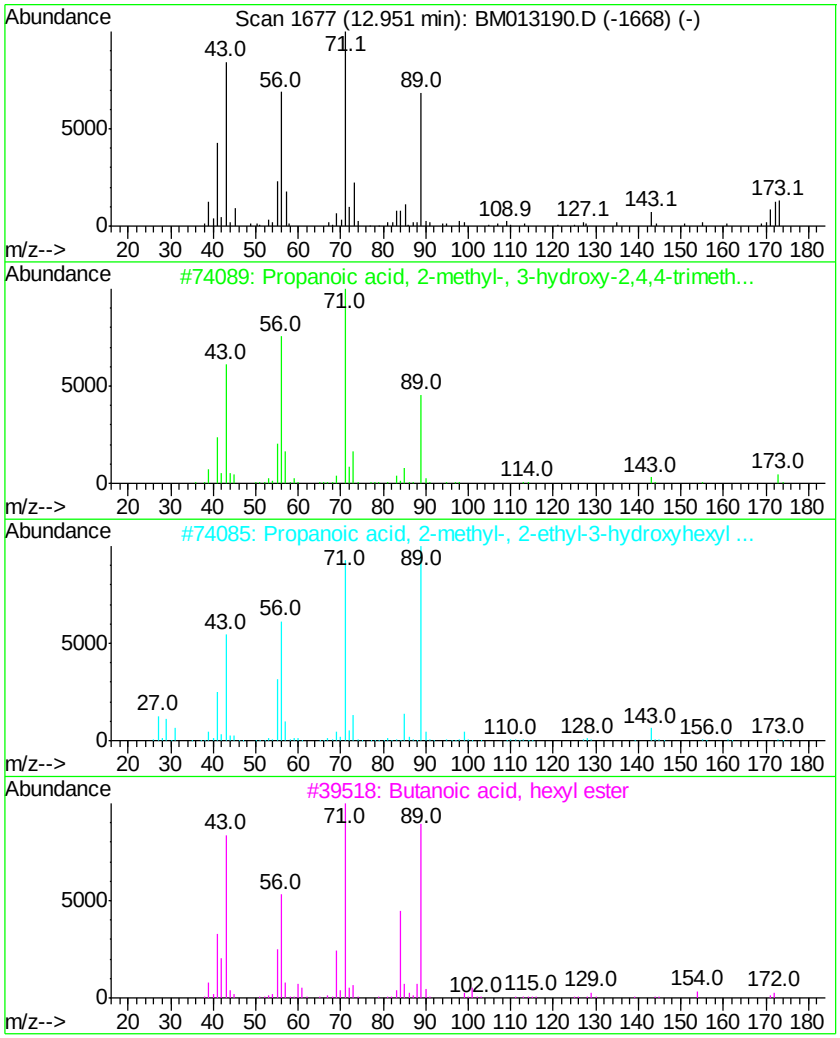
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

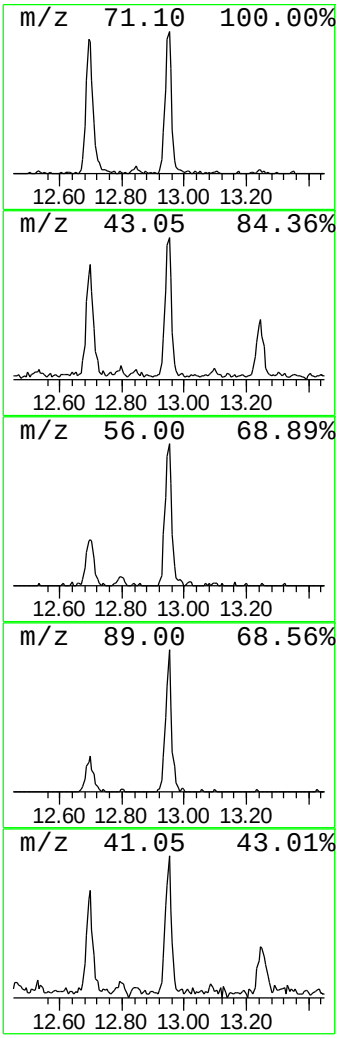
****

Peak Number 6 Propanoic acid, 2-methyl-, ... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.95	2.00 ng/ul	298843	Acenaphthene-d10	14.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propanoic acid, 2-methyl-, 3-hyd...	216	C12H24O3	074367-34-3	72
2	Propanoic acid, 2-methyl-, 2-eth...	216	C12H24O3	074367-31-0	64
3	Butanoic acid, hexyl ester	172	C10H20O2	002639-63-6	64
4	Butanoic acid, butyl ester	144	C8H16O2	000109-21-7	64
5	Butanoic acid, hexyl ester	172	C10H20O2	002639-63-6	64





Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM120517\
Data File : BM013190.D
Acq On : 05 Dec 2017 14:18
Operator : SJ/JU
Sample : I6647-16
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0287

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

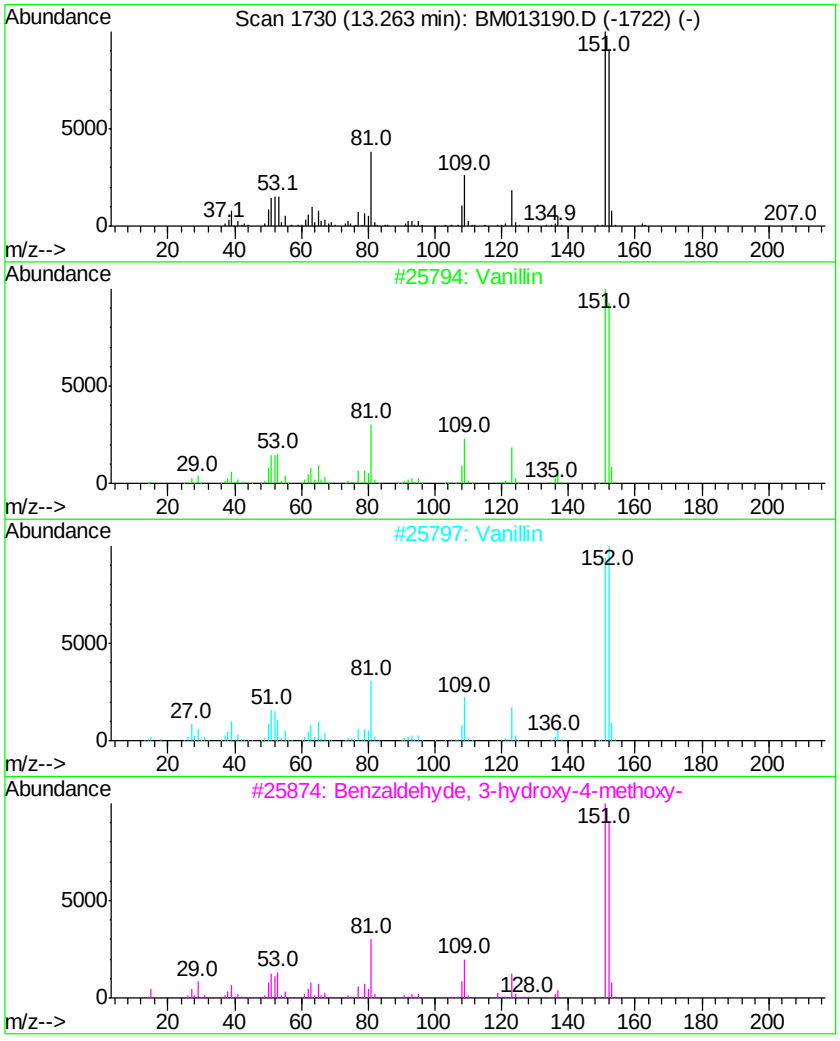
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

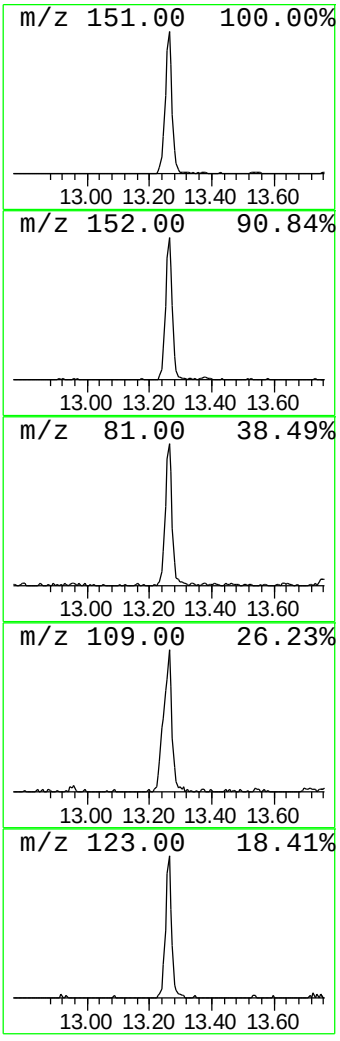
****

Peak Number 7 Vanillin Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.26	5.37 ng/ul	802058	Acenaphthene-d10	14.34

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





Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM120517\
Data File : BM013190.D
Acq On : 05 Dec 2017 14:18
Operator : SJ/JU
Sample : I6647-16
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0287

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

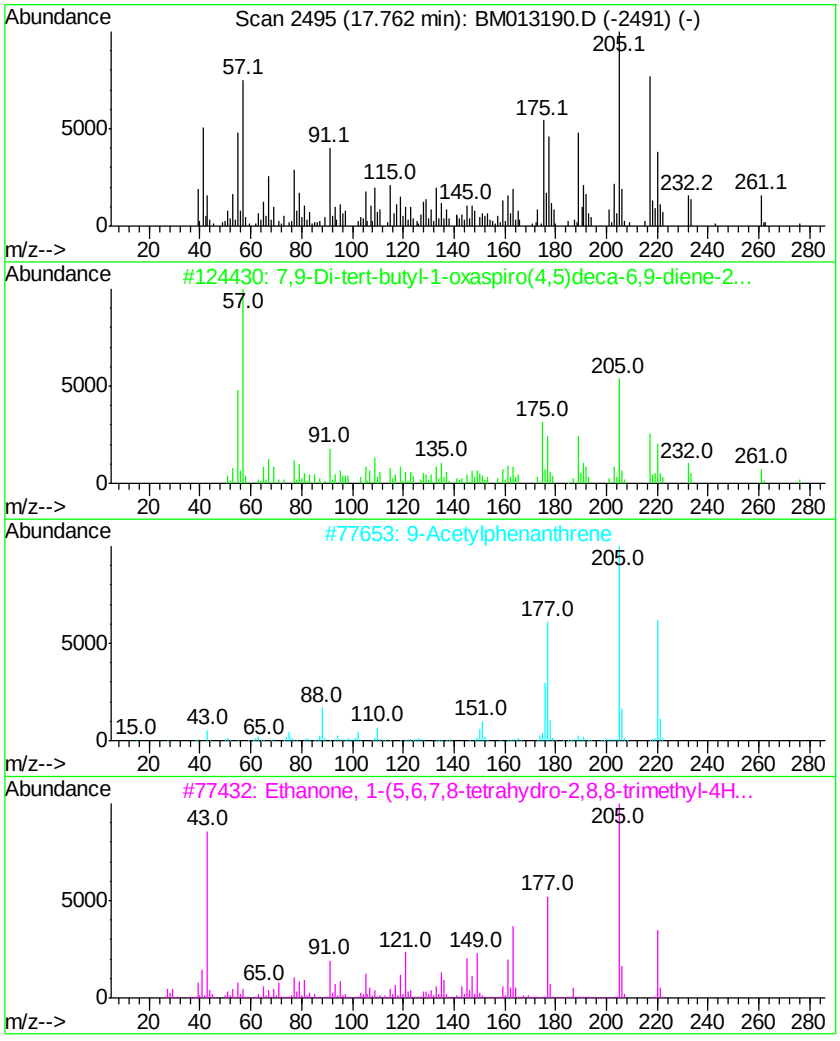
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

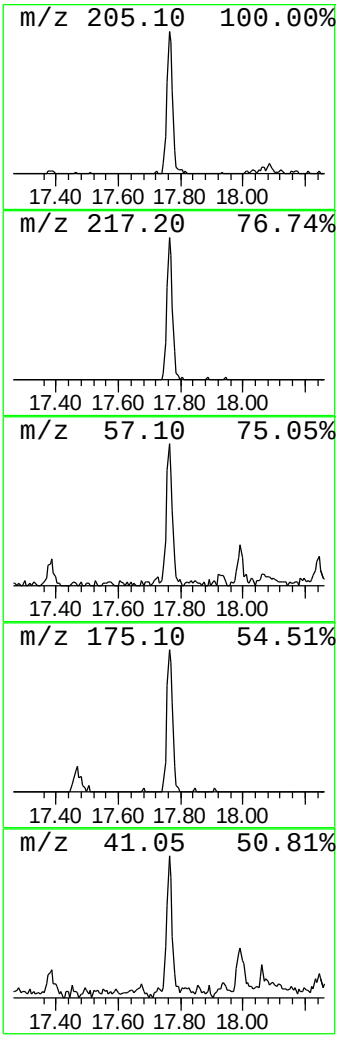
****

Peak Number 8 7,9-Di-tert-butyl-1-oxaspir... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.76	2.59 ng/ul	476028	Phenanthrene-d10	17.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7,9-Di-tert-butyl-1-oxaspiro(4,5...	276	C17H24O3	082304-66-3	87
2	9-Acetylphenanthrene	220	C16H12O	002039-77-2	42
3	Ethanone, 1-(5,6,7,8-tetrahydro-...	220	C14H20O2	071596-88-8	41
4	2,6-Bis(1,1-dimethylethyl)-4-met...	262	C18H30O	004278-82-4	38
5	2H-1-Benzopyran, 6,7-dimethoxy-2...	220	C13H16O3	000644-06-4	38





Tentatively Identified Compound (LSC) summary

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_M\DATA\BM120517\
Data File : BM013190.D
Acq On : 05 Dec 2017 14:18
Operator : SJ/JU
Sample : I6647-16
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0287

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Cyclohexanone	5.77	19.0	ng/ul	1318850	1	7.70	1390220	20.0
1-Hexanol, 2-ethyl-	7.77	2.5	ng/ul	170725	1	7.70	1390220	20.0
Phenol, 2-methoxy-	8.79	15.0	ng/ul	1041510	1	7.70	1390220	20.0
1-(2-Thienyl)-1-p...	10.39	3.7	ng/ul	384263	2	10.49	2077820	20.0
Benzothiazole	11.13	3.6	ng/ul	379369	2	10.49	2077820	20.0
Propanoic acid, 2...	12.95	2.0	ng/ul	298843	3	14.34	2987140	20.0
Vanillin	13.26	5.4	ng/ul	802058	3	14.34	2987140	20.0
7,9-Di-tert-butyl...	17.76	2.6	ng/ul	476028	4	17.09	3677060	20.0