LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121118\
Data File : BM018082.D
Acq On : 12 Dec 2018 06:17
Operator : JU/SJ
Sample : J6171-03
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9Y07

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	3.152	24	28	36	rBV	17750	30655	1.42%	0.099%
2	3.369	63	65	68	rBV4	4274	4338	0.20%	0.014%
3	3.428	71	75	80	rBV	14137	24344	1.13%	0.078%
4	3.551	93	96	101	rVB6	8533	9662	0.45%	0.031%
5	3.640	105	111	118	rVB	38166	54898	2.55%	0.177%
6	3.716	120	124	126	rBV4	5907	7746	0.36%	0.025%
7	3.751	126	130	135	rVB	22501	31829	1.48%	0.102%
8	3.840	143	145	152	rVB4	4627	8381	0.39%	0.027%
9	3.951	159	164	167	rBV2	19934	29174	1.35%	0.094%
10	4.199	202	206	211	rBV7	4346	6728	0.31%	0.022%
11	4.246	211	214	218	rVB3	3507	4440	0.21%	0.014%
12	4.381	233	237	242	rVB6	4758	7292	0.34%	0.023%
13	4.740	290	298	309	rVB2	86796	184854	8.57%	0.595%
14	4.828	309	313	318	rBV5	6297	10131	0.47%	0.033%
15	5.657	451	454	457	rBV2	3120	4666	0.22%	0.015%
16	5.975	504	508	514	rBV2	24122	30653	1.42%	0.099%
17	6.110	528	531	535	rBV5	4047	5577	0.26%	0.018%
18	6.222	544	550	553	rBV3	5527	8798	0.41%	0.028%
19	6.498	593	597	600	rBV4	2789	5004	0.23%	0.016%
20	6.681	624	628	632	rBV4	7756	14072	0.65%	0.045%
21	6.745	632	639	654	rVV2	358299	795878	36.91%	2.560%
22	6.898	656	665	674	rVV	327331	514968	23.89%	1.657%
23	7.087	690	697	710	rBV	453499	736301	34.15%	2.368%
24	7.169	710	711	718	rVB5	4976	6516	0.30%	0.021%
25	7.434	752	756	757	rBV4	4179	4648	0.22%	0.015%
26	7.457	757	760	762	rVV4	5080	4979	0.23%	0.016%
27	7.545	765	775	784	rVV	635021	1039794	48.23%	3.345%
28	7.610	784	786	790	rVB4	7950	8228	0.38%	0.026%
29	7.716	802	804	808	rVB4	8609	9676	0.45%	0.031%
30	7.751	808	810	814	rBV4	3537	4923	0.23%	0.016%
31	7.881	826	832	835	rBV5	5542	9497	0.44%	0.031%
32	8.075	860	865	872	rVB6	15373	27207	1.26%	0.088%
33	8.263	890	897	909	rBV	407709	770461	35.74%	2.478%
34	8.386	916	918	925	rVV5	11542	21803	1.01%	0.070%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121118\
Data File : BM018082.D
Acq On : 12 Dec 2018 06:17
Operator : JU/SJ
Sample : J6171-03
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9Y07

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	8.434	925	926	931	rVB4	4858	4810	0.22%	0.015%
36	8.504	934	938	941	rBV4	4614	8468	0.39%	0.027%
37	8.616	946	957	965	rBV6	20771	64706	3.00%	0.208%
38	8.704	965	972	982	rBV	382299	673955	31.26%	2.168%
39	8.869	989	1000	1005	rBV	21402	57991	2.69%	0.187%
40	8.928	1007	1010	1011	rBV2	4566	5716	0.27%	0.018%
41	8.986	1016	1020	1026	rVB9	8183	16492	0.76%	0.053%
42	9.039	1026	1029	1033	rBV5	6151	10171	0.47%	0.033%
43	9.086	1033	1037	1039	rBV2	16728	25309	1.17%	0.081%
44	9.157	1046	1049	1053	rVB4	14389	20395	0.95%	0.066%
45	9.228	1056	1061	1066	rVB3	23558	38830	1.80%	0.125%
46	9.281	1066	1070	1072	rBV5	5664	5968	0.28%	0.019%
47	9.333	1076	1079	1083	rBV4	5352	8930	0.41%	0.029%
48	9.416	1087	1093	1100	rVV	307860	539565	25.03%	1.736%
49	9.481	1100	1104	1111	rVB6	38195	73910	3.43%	0.238%
50	9.551	1111	1116	1119	rBV4	7441	13189	0.61%	0.042%
51	9.586	1119	1122	1124	rBV4	6168	7077	0.33%	0.023%
52	9.622	1126	1128	1130	rBV3	5655	6099	0.28%	0.020%
53	9.763	1138	1152	1155	rBV7	15497	49236	2.28%	0.158%
54	9.798	1155	1158	1159	rBV3	6084	6605	0.31%	0.021%
55	9.898	1169	1175	1178	rBV6	15766	31416	1.46%	0.101%
56	9.951	1178	1184	1195	rBV	412255	828414	38.42%	2.665%
57	10.086	1204	1207	1212	rVB6	18839	31883	1.48%	0.103%
58	10.263	1232	1237	1240	rBV6	27037	51461	2.39%	0.166%
59	10.316	1240	1246	1253	rVV	896940	1543760	71.60%	4.966%
60	10.380	1254	1257	1260	rVV4	23468	31796	1.47%	0.102%
61	10.416	1260	1263	1267	rVV5	22327	30965	1.44%	0.100%
62	10.475	1267	1273	1289	rVV2	301001	689125	31.96%	2.217%
63	10.586	1289	1292	1301	rVB10	24777	49159	2.28%	0.158%
64	10.704	1309	1312	1316	rVB4	19956	24046	1.12%	0.077%
65	10.786	1322	1326	1331	rVB2	73778	117144	5.43%	0.377%
66	10.863	1336	1339	1343	rVB5	13425	17449	0.81%	0.056%
67	10.969	1351	1357	1366	rBV9	52144	122804	5.70%	0.395%
68	11.051	1366	1371	1372	rBV5	16014	22992	1.07%	0.074%
69	11.122	1381	1383	1384	rBV2	17551	14840	0.69%	0.048%
70	11.292	1406	1412	1414	rBV6	14980	27099	1.26%	0.087%
71	11.351	1416	1422	1427	rBV4	63507	136105	6.31%	0.438%

LSC Area Percent Report

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Data File : BM018082.D
Acq On : 12 Dec 2018 06:17
Operator : JU/SJ
Sample : J6171-03
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9Y07

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	11.486	1440	1445	1449	rBV3	45587	70358	3.26%	0.226%
73	11.586	1456	1462	1466	rBV2	99979	164317	7.62%	0.529%
74	11.857	1504	1508	1516	rVB3	77590	159638	7.40%	0.514%
75	12.039	1535	1539	1542	rBV5	43149	74544	3.46%	0.240%
76	12.139	1553	1556	1560	rBV3	43767	62667	2.91%	0.202%
77	12.380	1592	1597	1601	rBV6	32853	68115	3.16%	0.219%
78	12.451	1605	1609	1615	rVB5	57965	112790	5.23%	0.363%
79	12.598	1631	1634	1641	rVB8	56657	103480	4.80%	0.333%
80	12.980	1695	1699	1704	rBV3	137467	197333	9.15%	0.635%
81	13.033	1704	1708	1711	rVV4	66299	95173	4.41%	0.306%
82	13.074	1711	1715	1716	rVV4	33110	45553	2.11%	0.147%
83	13.104	1717	1720	1724	rVB2	83065	103532	4.80%	0.333%
84	13.521	1789	1791	1797	rBV7	31268	55559	2.58%	0.179%
85	13.621	1803	1808	1812	rVV	906238	1249206	57.94%	4.018%
86	13.668	1812	1816	1821	rVB	364130	494655	22.94%	1.591%
87	13.886	1848	1853	1861	rBV	997300	1513236	70.19%	4.868%
88	14.198	1901	1906	1915	rVB2	1305322	2058902	95.50%	6.623%
89	14.827	2010	2013	2021	rVB5	100389	221546	10.28%	0.713%
90	14.980	2035	2039	2042	rBV6	76166	117059	5.43%	0.377%
91	15.198	2071	2076	2082	rBV	1338449	1942622	90.10%	6.249%
92	16.956	2370	2375	2382	rBV2	1449138	2156013	100.00%	6.935%
93	17.057	2387	2392	2399	rVB	1361986	1896465	87.96%	6.100%
94	17.868	2526	2530	2539	rVB3	562700	834937	38.73%	2.686%
95	19.162	2747	2750	2756	rBV2	363055	547166	25.38%	1.760%
96	19.309	2772	2775	2779	rVB2	284680	326953	15.16%	1.052%
97	19.362	2780	2784	2791	rBV2	1182998	1689790	78.38%	5.436%
98	21.174	3088	3092	3098	rVB	1292663	1569460	72.79%	5.049%
99	23.209	3434	3438	3448	rVB	814696	1547349	71.77%	4.977%
100	23.350	3458	3462	3473	rVB2	979719	1762844	81.76%	5.671%

Sum of corrected areas: 31087263

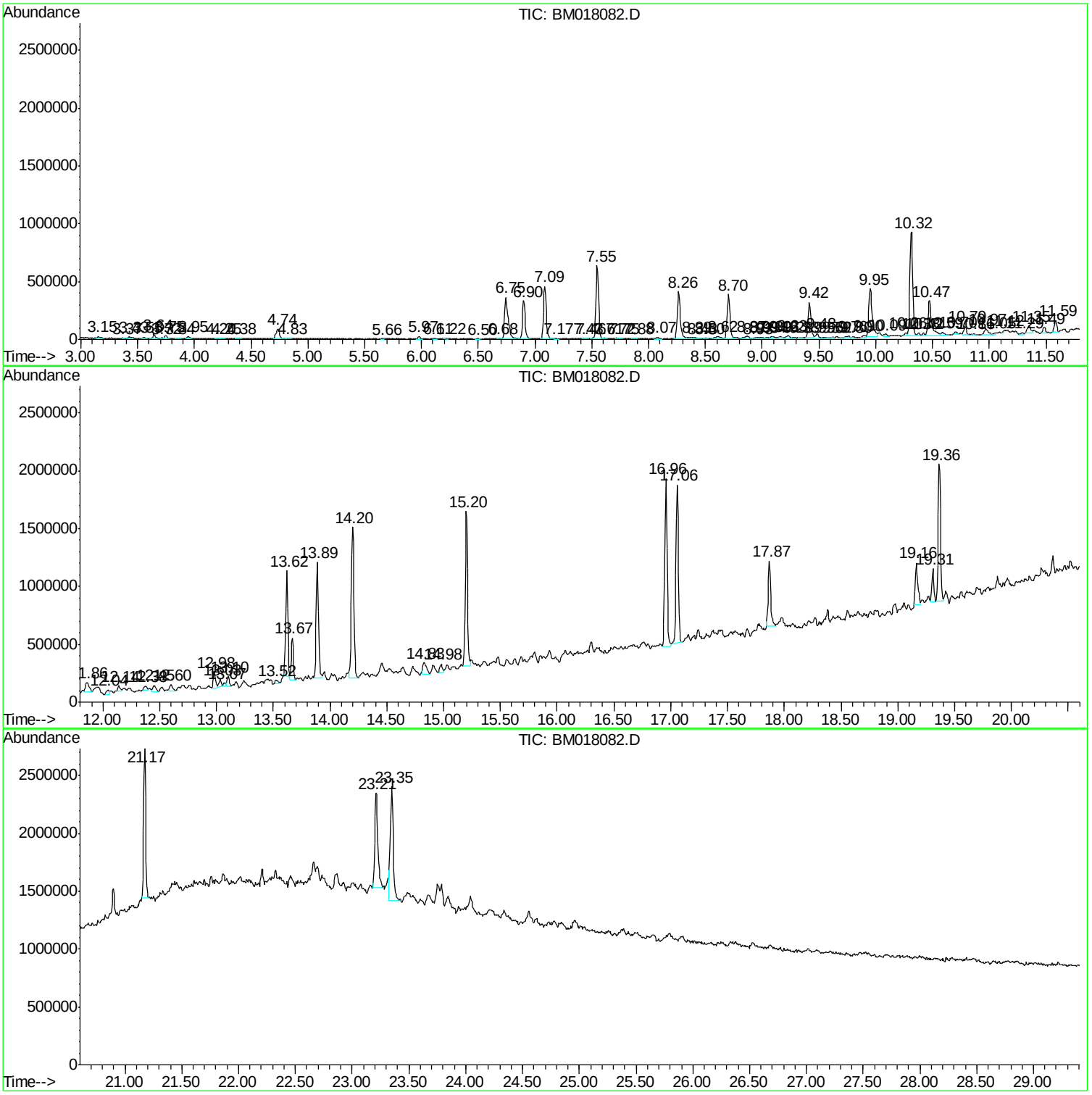
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121118\
Data File : BM018082.D
Acq On : 12 Dec 2018 06:17
Operator : JU/SJ
Sample : J6171-03
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9Y07

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\BM121118\
Data File : BM018082.D
Acq On : 12 Dec 2018 06:17
Operator : JU/SJ
Sample : J6171-03
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9Y07

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

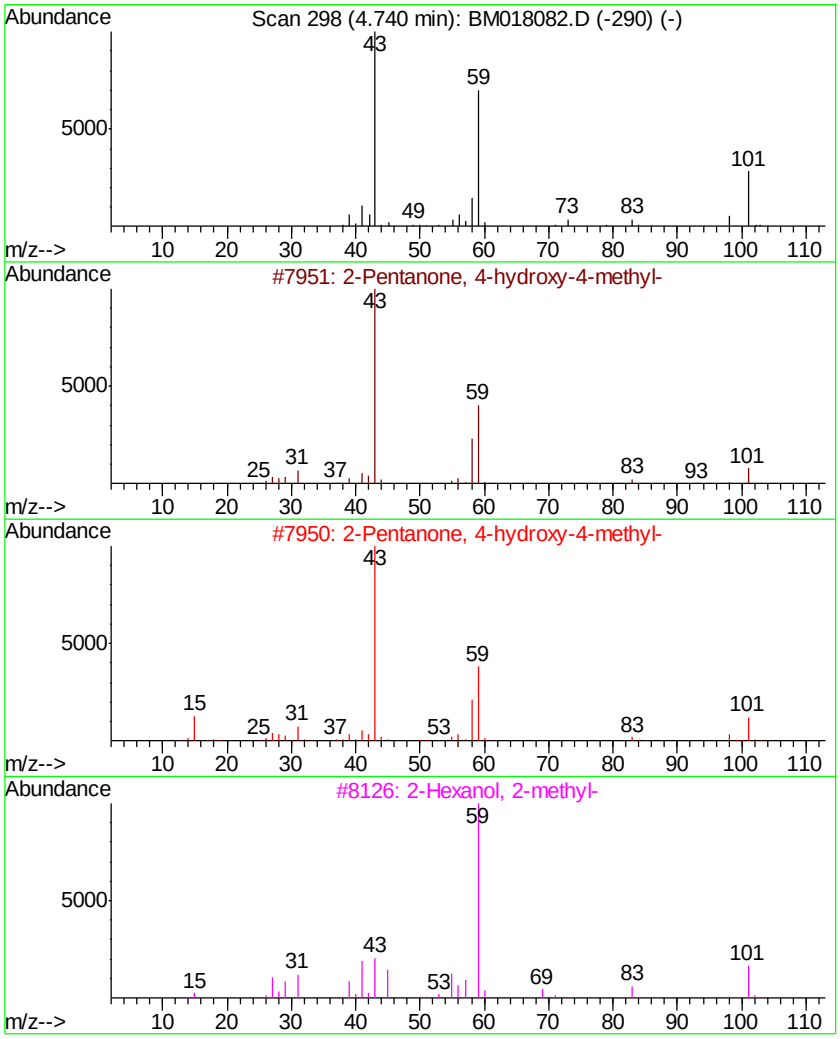
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

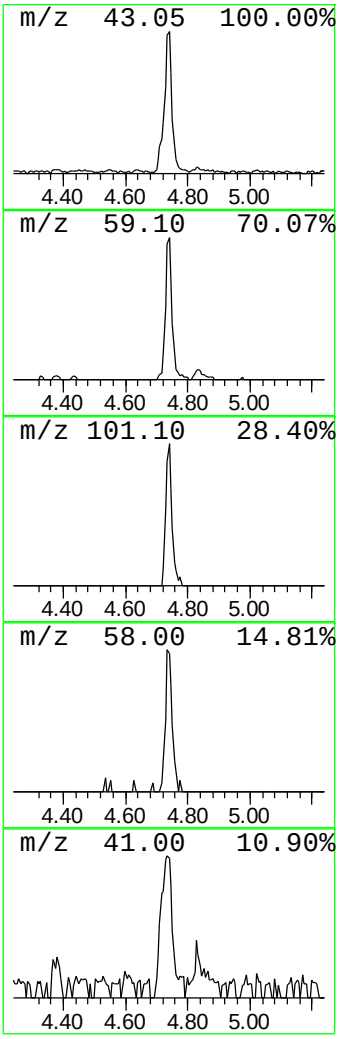
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.74	3.56 ng/ul	184854	1,4-Dichlorobenzene-d4	7.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	40
3	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	37
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	35
5	Propane, 1-ethoxy-2-methyl-	102	C6H14O	000627-02-1	25





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121118\
Data File : BM018082.D
Acq On : 12 Dec 2018 06:17
Operator : JU/SJ
Sample : J6171-03
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9Y07

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

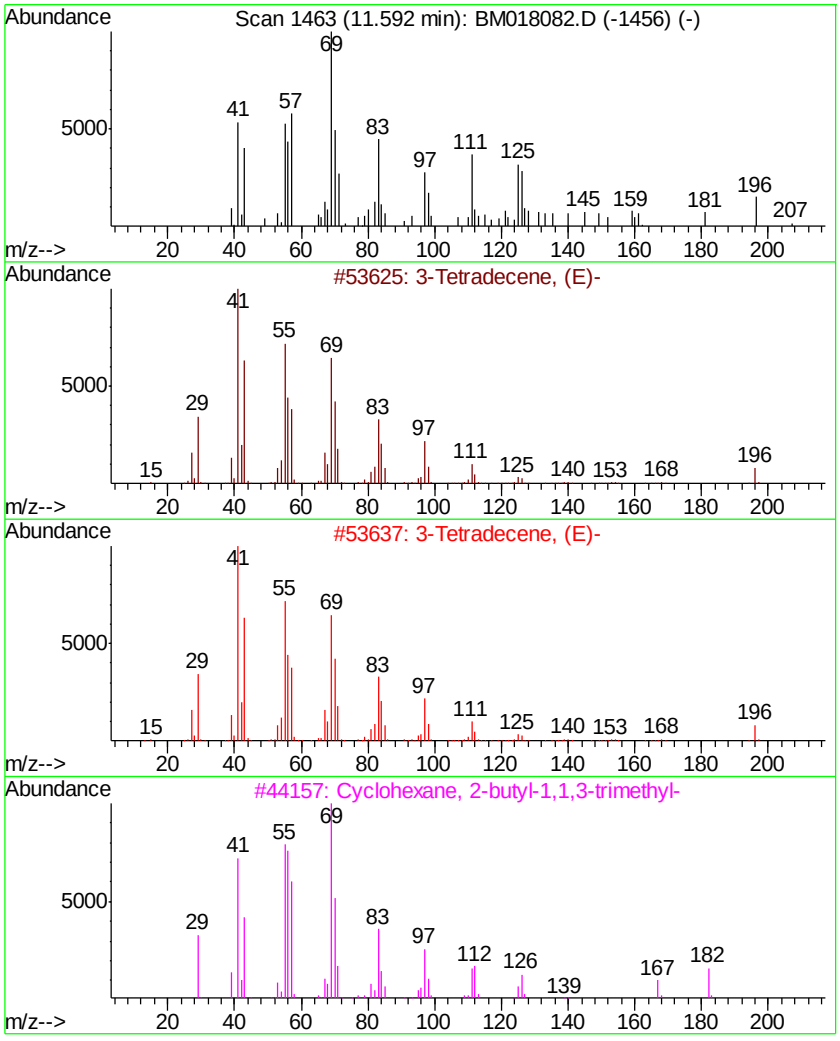
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

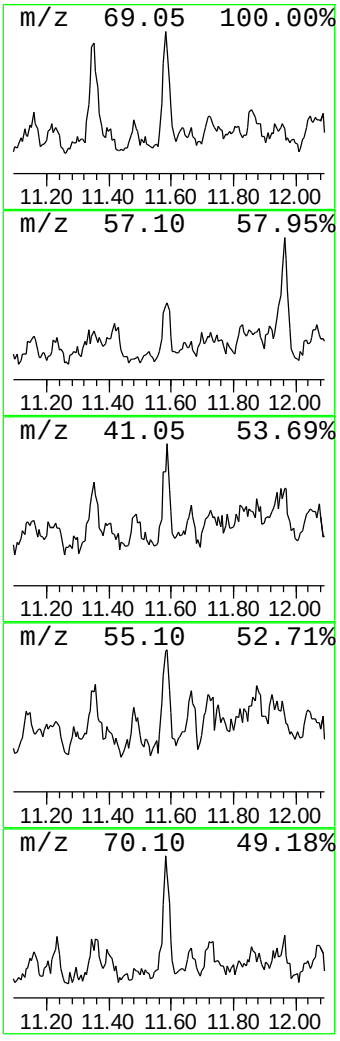
****

Peak Number 2 (DEL) Alkane: Cyclic11.59 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.59	2.13 ng/ul	164317	Naphthalene-d8	10.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Tetradecene, (E)-	196	C14H28	041446-68-8	90
2	3-Tetradecene, (E)-	196	C14H28	041446-68-8	90
3	Cyclohexane, 2-butyl-1,1,3-trime...	182	C13H26	054676-39-0	81
4	Cyclohexane, 1,2,3-trimethyl-, (...	126	C9H18	001678-81-5	76
5	6-Tridecene, (E)-	182	C13H26	006434-76-0	76





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121118\
Data File : BM018082.D
Acq On : 12 Dec 2018 06:17
Operator : JU/SJ
Sample : J6171-03
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9Y07

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

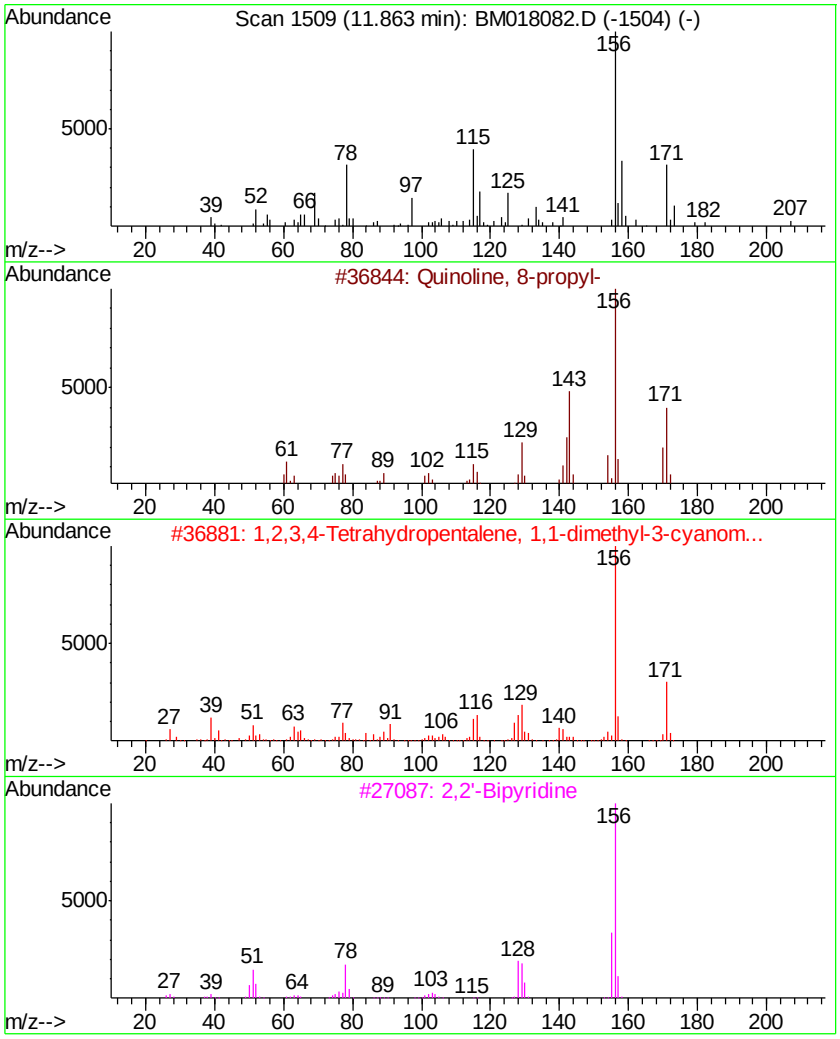
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

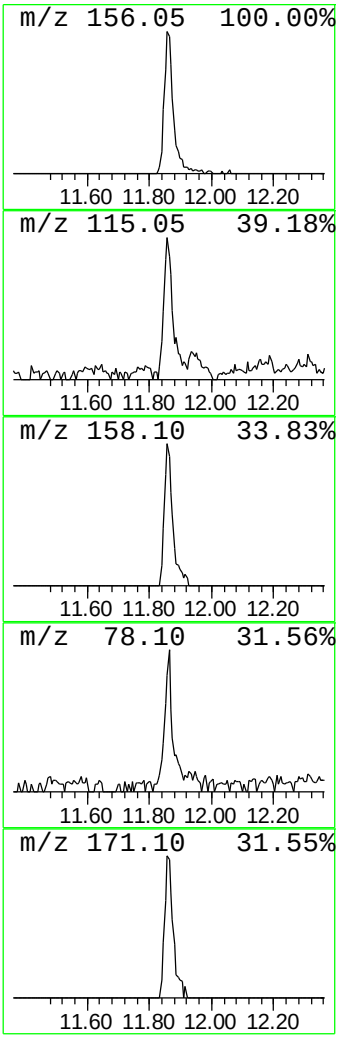
****

Peak Number 3 unknown-01 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.86	2.07 ng/ul	159638	Naphthalene-d8	10.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Quinoline, 8-propyl-	171	C12H13N	007661-53-2	38
2	1,2,3,4-Tetrahydropentalene, 1,1...	171	C12H13N	1000217-18-6	38
3	2,2'-Bipyridine	156	C10H8N2	000366-18-7	35
4	6-Isopropylquinoline	171	C12H13N	000135-79-5	32
5	Pyrazole-3-carboxamide, 4-nitro-	156	C4H4N4O3	065190-36-5	30





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121118\
Data File : BM018082.D
Acq On : 12 Dec 2018 06:17
Operator : JU/SJ
Sample : J6171-03
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9Y07

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

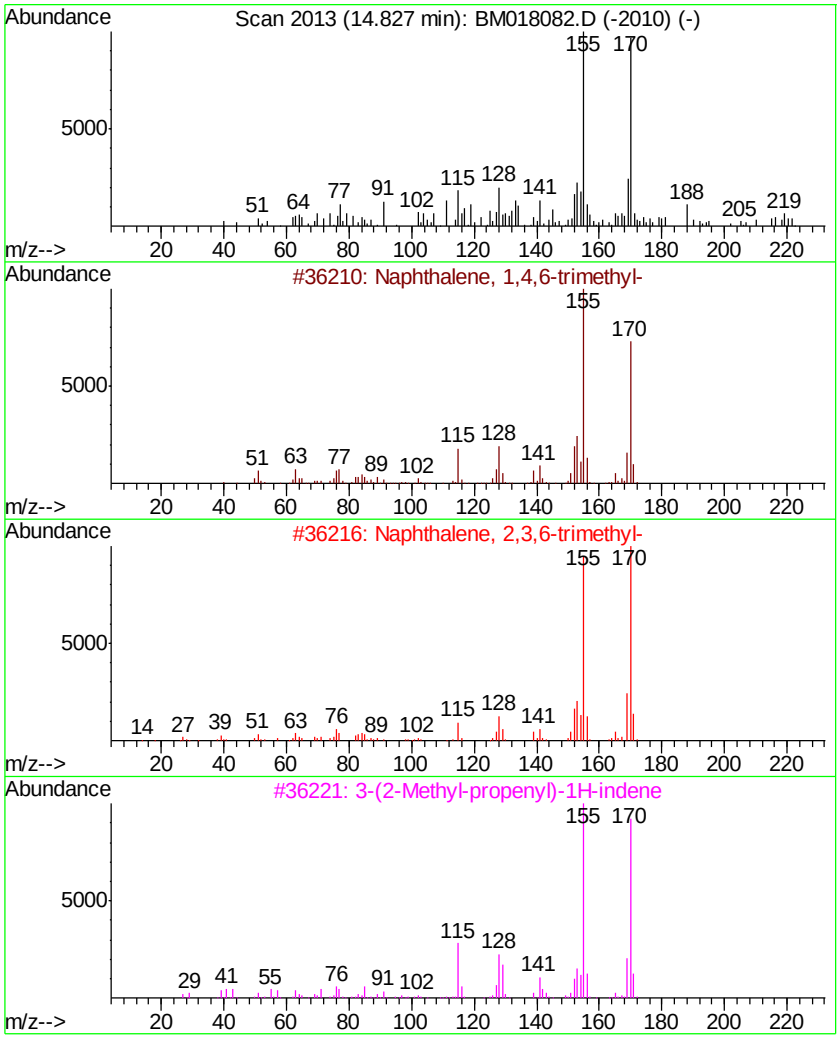
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

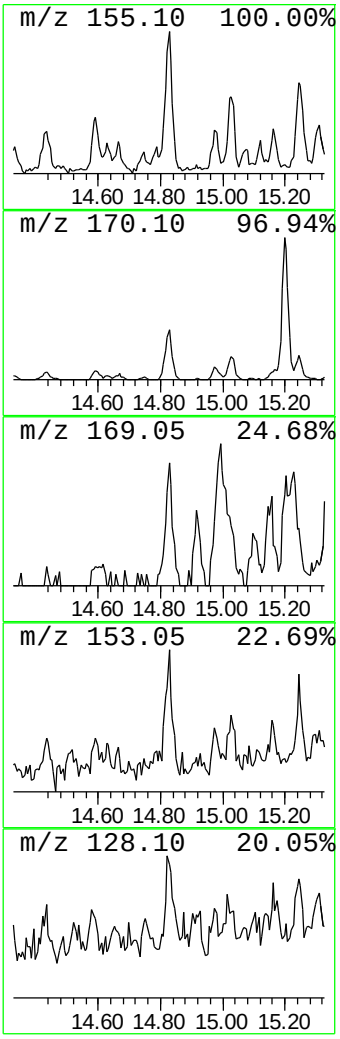
****

Peak Number 4 Naphthalene, 1,4,6-trimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.83	2.15 ng/ul	221546	Acenaphthene-d10	14.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	93
2	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	91
3	3-(2-Methyl-propenyl)-1H-indene	170	C13H14	1000187-78-5	87
4	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	87
5	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	87





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121118\
Data File : BM018082.D
Acq On : 12 Dec 2018 06:17
Operator : JU/SJ
Sample : J6171-03
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9Y07

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

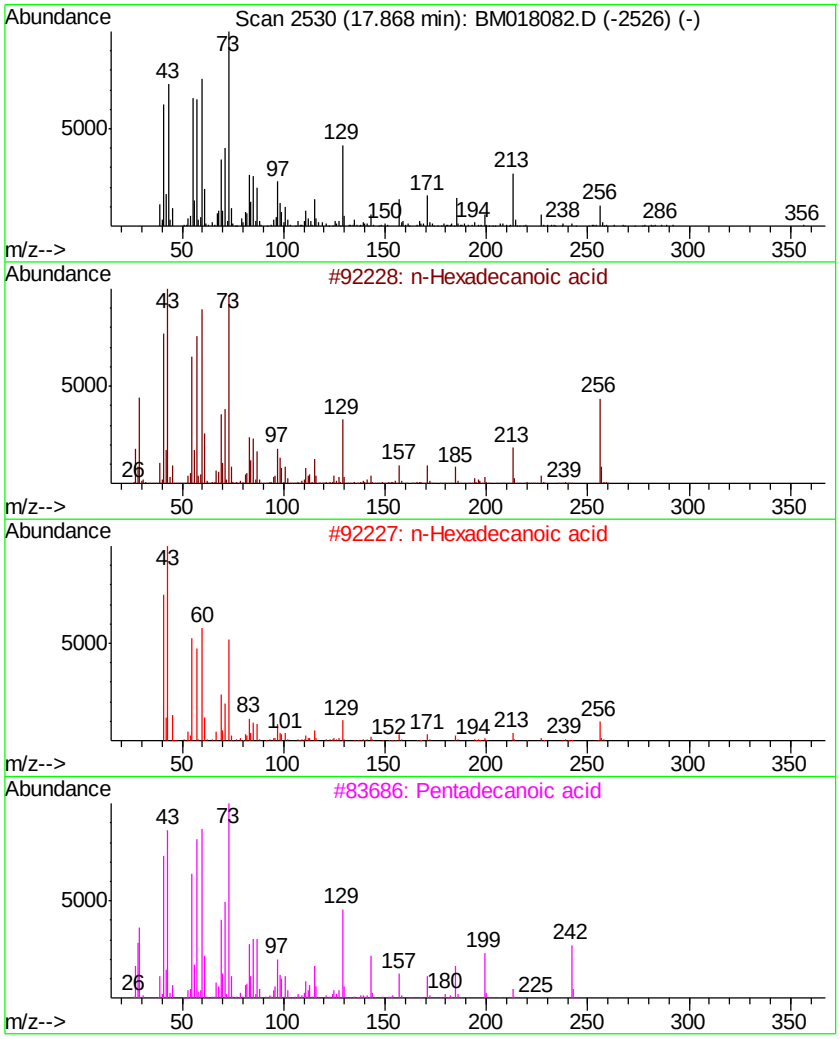
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

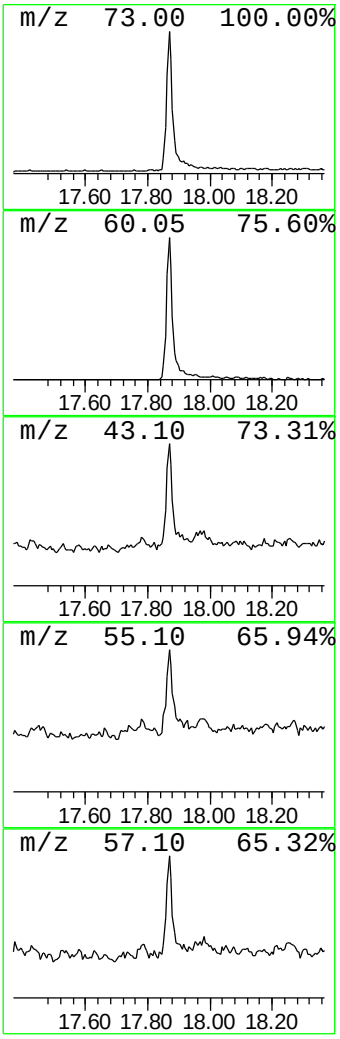
****

Peak Number 5 n-Hexadecanoic acid Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.87	7.75 ng/ul	834937	Phenanthrene-d10	16.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	74
4	Tridecanoic acid	214	C13H26O2	000638-53-9	70
5	Nonanoic acid	158	C9H18O2	000112-05-0	27





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Data File : BM018082.D
Acq On : 12 Dec 2018 06:17
Operator : JU/SJ
Sample : J6171-03
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9Y07

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

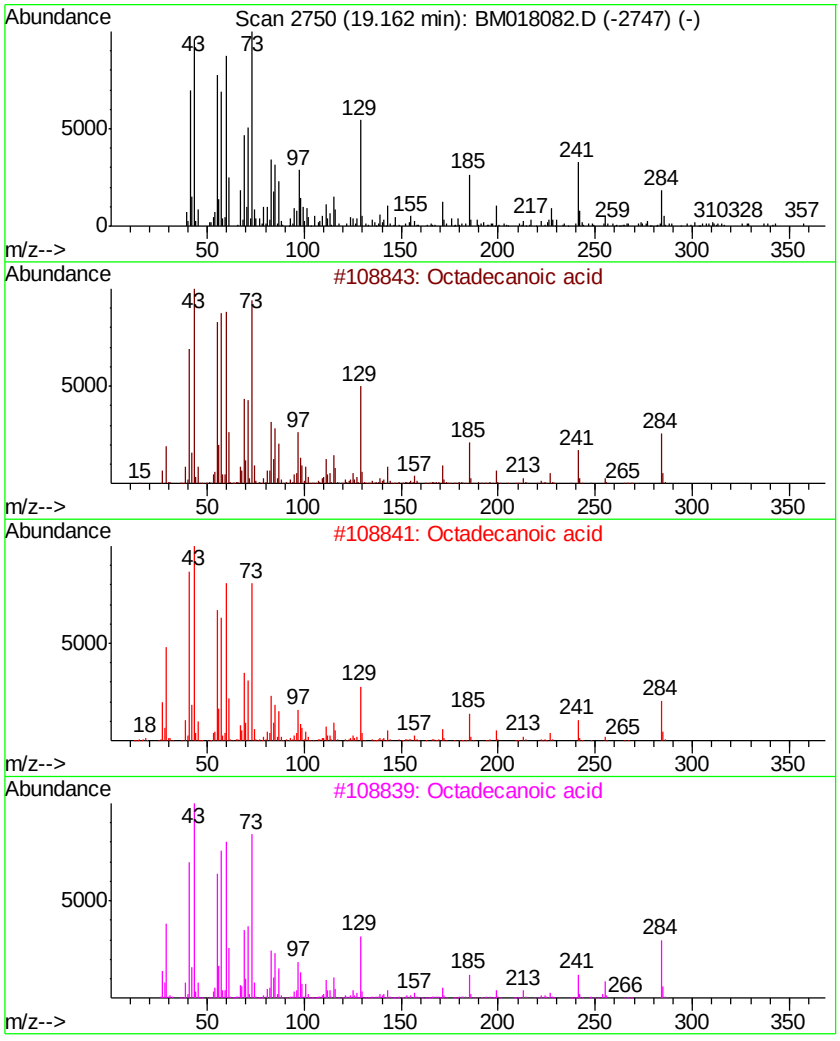
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

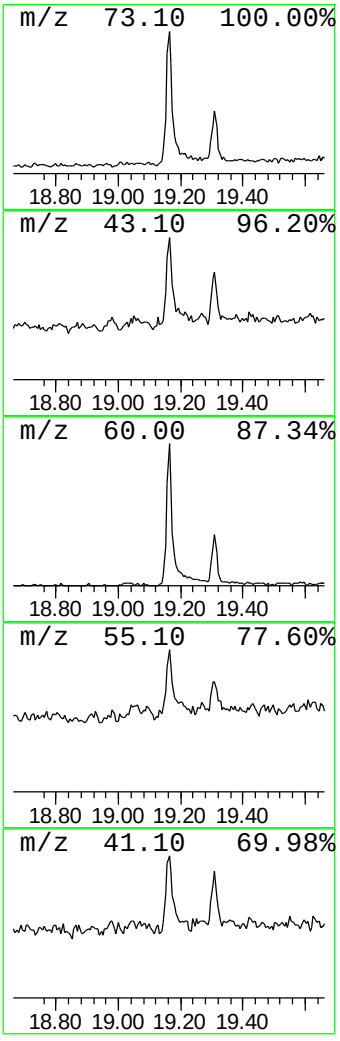
****

Peak Number 6 Octadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.16	6.97 ng/ul	547166	Chrysene-d12	21.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2	Octadecanoic acid	284	C18H36O2	000057-11-4	98
3	Octadecanoic acid	284	C18H36O2	000057-11-4	93
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	90
5	Tetradecanoic acid	228	C14H28O2	000544-63-8	72





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121118\
Data File : BM018082.D
Acq On : 12 Dec 2018 06:17
Operator : JU/SJ
Sample : J6171-03
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9Y07

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

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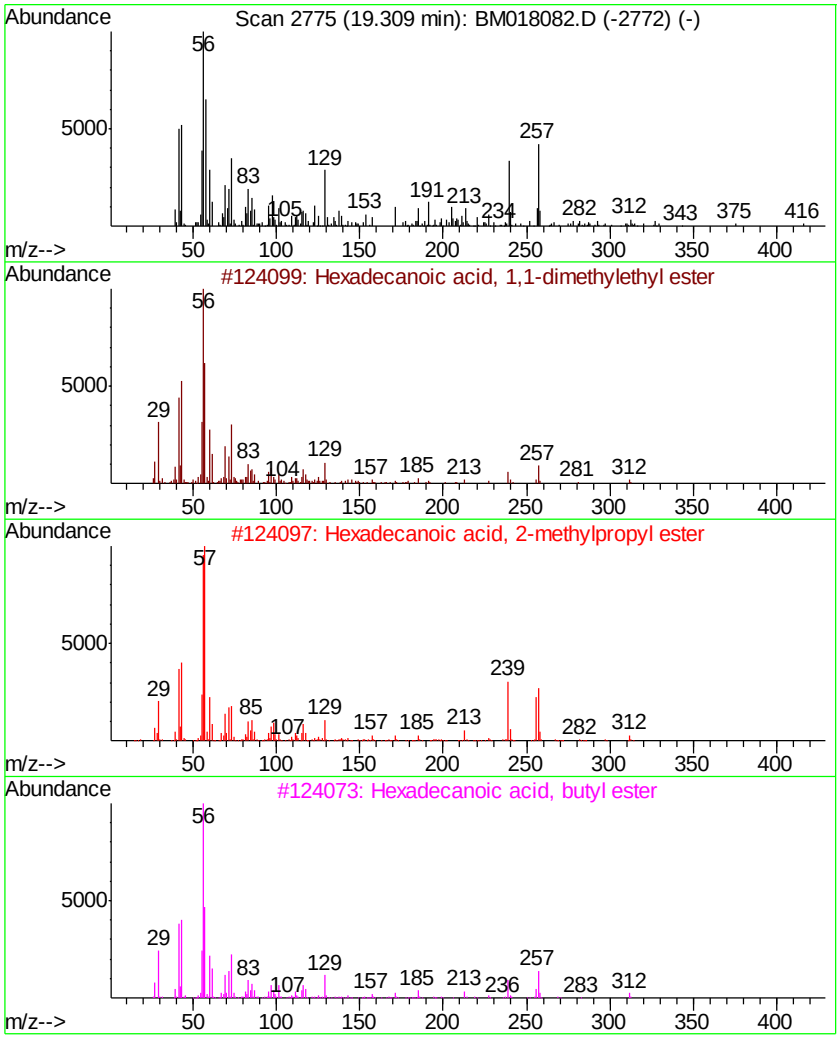
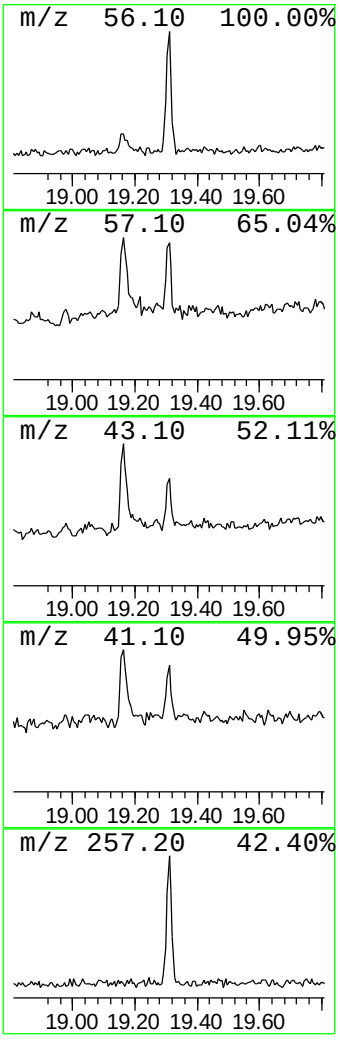
Peak Number 7 Hexadecanoic acid, 1,1-dime... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.31	4.17 ng/ul	326953	Chrysene-d12	21.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecanoic acid, 1,1-dimethyle...	312	C20H40O2	031158-91-5	92
2	Hexadecanoic acid, 2-methylpropy...	312	C20H40O2	000110-34-9	89
3	Hexadecanoic acid, butyl ester	312	C20H40O2	000111-06-8	76
4	Hexadecanoic acid, butyl ester	312	C20H40O2	000111-06-8	38
5	Propan-2-one O-(2-chloro-1-methy...	149	C6H12ClNO	1000186-05-6	35





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM121118\
Data File : BM018082.D
Acq On : 12 Dec 2018 06:17
Operator : JU/SJ
Sample : J6171-03
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9Y07

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
2-Pentanone, 4-hy...	4.74	3.6	ng/ul	184854	1	7.55	1039790	20.0
(DEL) Alkane: Cyc...	11.59	2.1	ng/ul	164317	2	10.32	1543760	20.0
unknown-01	11.86	2.1	ng/ul	159638	2	10.32	1543760	20.0
Naphthalene, 1,4,...	14.83	2.1	ng/ul	221546	3	14.20	2058900	20.0
n-Hexadecanoic acid	17.87	7.8	ng/ul	834937	4	16.96	2156010	20.0
Octadecanoic acid	19.16	7.0	ng/ul	547166	5	21.17	1569460	20.0
Hexadecanoic acid...	19.31	4.2	ng/ul	326953	5	21.17	1569460	20.0