LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM060917\
Data File : BM010463.D
Acq On : 09 Jun 2017 20:51
Operator : SJ/MA
Sample : I3520-07
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5A39

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-BM052717.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	6.546	582	588	594	rBV2	88568	133660	2.23%	0.178%
2	7.087	672	680	691	rBV2	648356	1296408	21.65%	1.724%
3	7.246	701	707	715	rBV	435610	680203	11.36%	0.905%
4	7.440	732	740	748	rBV	738628	1188700	19.85%	1.581%
5	7.904	812	819	828	rBV	1235759	2008095	33.54%	2.671%
6	8.622	935	941	949	rBV	709979	1204015	20.11%	1.601%
7	9.087	1013	1020	1030	rBV2	629781	1098491	18.35%	1.461%
8	9.798	1134	1141	1151	rBV	631770	1030650	17.21%	1.371%
9	9.975	1164	1171	1177	rBV2	101600	222381	3.71%	0.296%
10	10.328	1223	1231	1243	rBV	994304	1745784	29.16%	2.322%
11	10.704	1288	1295	1306	rBV	1622409	2661022	44.44%	3.539%
12	10.869	1316	1323	1332	rBV	577315	1040888	17.38%	1.384%
13	12.445	1583	1591	1600	rBV2	303179	564113	9.42%	0.750%
14	13.369	1740	1748	1755	rBV5	79511	139004	2.32%	0.185%
15	13.657	1792	1797	1808	rBV4	65626	128302	2.14%	0.171%
16	13.822	1820	1825	1830	rVB6	48306	75732	1.26%	0.101%
17	13.904	1833	1839	1842	rBV4	52866	82929	1.39%	0.110%
18	13.951	1842	1847	1852	rVV	1946427	2661651	44.45%	3.540%
19	13.998	1852	1855	1864	rVB	804666	1033700	17.26%	1.375%
20	14.239	1886	1896	1904	rBV	1845457	2940307	49.11%	3.911%
21	14.339	1908	1913	1915	rBV4	48209	67813	1.13%	0.090%
22	14.457	1926	1933	1940	rBV	569030	792866	13.24%	1.055%
23	14.539	1940	1947	1963	rVB2	2508887	3993094	66.69%	5.311%
24	14.751	1973	1983	1984	rBV	127106	173502	2.90%	0.231%
25	14.780	1984	1988	2001	rVB2	569458	1041527	17.40%	1.385%
26	15.527	2106	2115	2123	rBV	2600992	3721644	62.16%	4.950%
27	15.657	2130	2137	2143	rBV	784404	1091673	18.23%	1.452%
28	15.757	2151	2154	2160	rVB5	54829	89656	1.50%	0.119%
29	15.892	2172	2177	2182	rBV8	72456	144568	2.41%	0.192%
30	15.980	2188	2192	2199	rVB7	75610	143390	2.39%	0.191%
31	16.080	2204	2209	2214	rBV9	47769	80952	1.35%	0.108%
32	16.133	2214	2218	2224	rBV4	155845	261282	4.36%	0.348%
33	17.133	2384	2388	2392	rBV7	37864	62271	1.04%	0.083%
34	17.286	2407	2414	2421	rBV2	3560162	5016573	83.78%	6.672%

LSC Area Percent Report

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Data File : BM010463.D
Acq On : 09 Jun 2017 20:51
Operator : SJ/MA
Sample : I3520-07
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5A39

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-BM052717.M
Title : SVOA CALIBRATION

35	17.386	2424	2431	2439	rVV	2831015	4093193	68.36%	5.444%
36	17.468	2441	2445	2450	rVB5	78568	118060	1.97%	0.157%
37	18.074	2545	2548	2553	rVB7	41081	64695	1.08%	0.086%
38	18.133	2553	2558	2567	rBV	647764	928614	15.51%	1.235%
39	19.268	2747	2751	2753	rBV4	71432	103228	1.72%	0.137%
40	19.304	2753	2757	2761	rVB6	85045	165858	2.77%	0.221%
41	19.404	2770	2774	2785	rBV2	439209	638008	10.66%	0.849%
42	19.562	2797	2801	2803	rBV5	44838	68014	1.14%	0.090%
43	19.674	2814	2820	2827	rBV	3837170	4978817	83.15%	6.622%
44	20.033	2879	2881	2887	rVB4	88536	109669	1.83%	0.146%
45	20.139	2896	2899	2903	rVB4	89198	110476	1.85%	0.147%
46	20.186	2903	2907	2912	rBV7	122380	180865	3.02%	0.241%
47	20.474	2954	2956	2962	rVB	180997	209064	3.49%	0.278%
48	20.992	3040	3044	3048	rBV	3850492	4031235	67.33%	5.362%
49	21.109	3059	3064	3072	rBV5	321335	642264	10.73%	0.854%
50	21.451	3117	3122	3127	rBV	5038011	5987458	100.00%	7.964%
51	21.968	3207	3210	3213	rBV4	231663	266411	4.45%	0.354%
52	22.009	3214	3217	3227	rVB5	341525	676325	11.30%	0.900%
53	22.956	3374	3378	3384	rVB2	975758	1384929	23.13%	1.842%
54	23.533	3473	3476	3482	rVB4	350396	568515	9.50%	0.756%
55	23.639	3488	3494	3501	rVB2	2104489	4010291	66.98%	5.334%
56	23.792	3514	3520	3530	rVB	2644791	4976298	83.11%	6.619%
57	24.197	3583	3589	3595	rVB2	1225207	2256976	37.70%	3.002%

Sum of corrected areas: 75186109

LSC Report - Integrated Chromatogram

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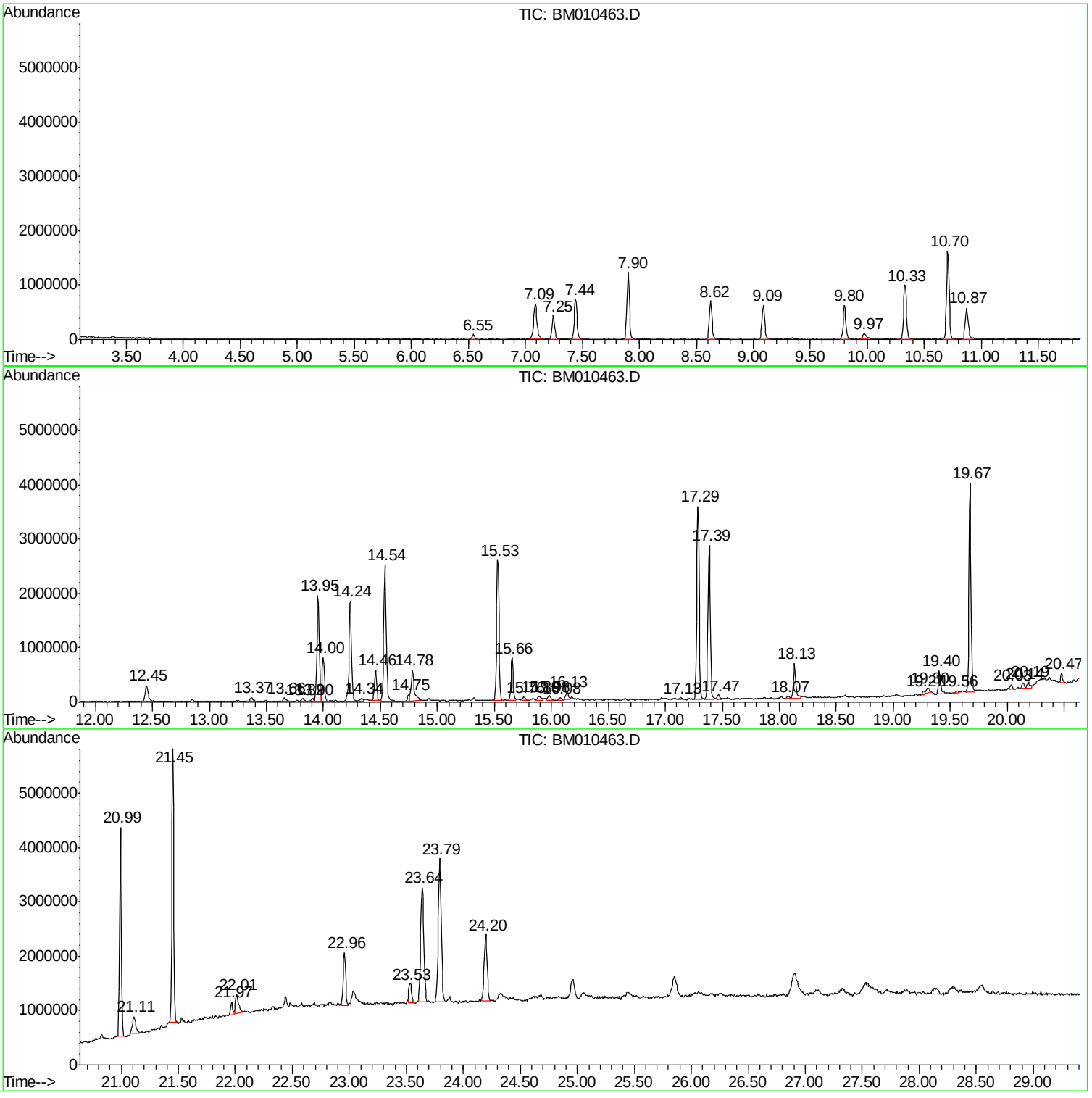
Data File : BM010463.D
Acq On : 09 Jun 2017 20:51
Operator : SJ/MA
Sample : I3520-07
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F5A39

Quant Method : Z:\HPCHEM1\BNA_M\Methods\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM060917\
Data File : BM010463.D
Acq On : 09 Jun 2017 20:51
Operator : SJ/MA
Sample : I3520-07
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5A39

Quant Method : Z:\HPCHEM1\BNA_M\Methods\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION

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

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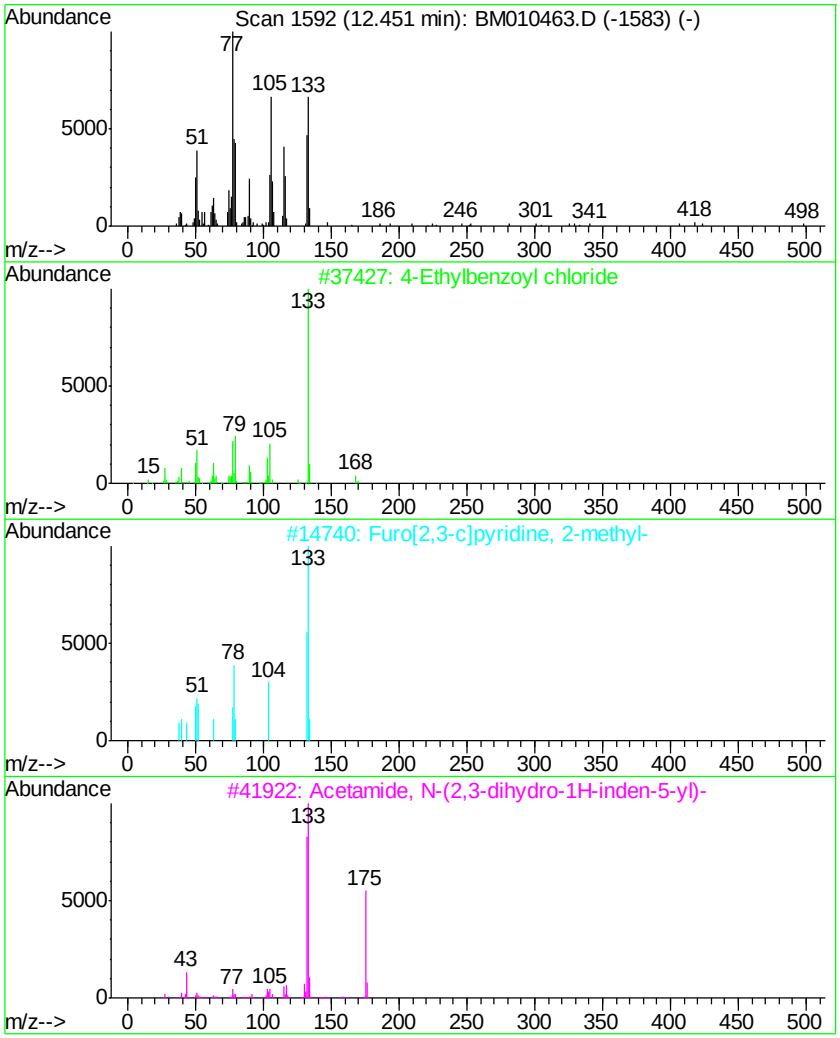
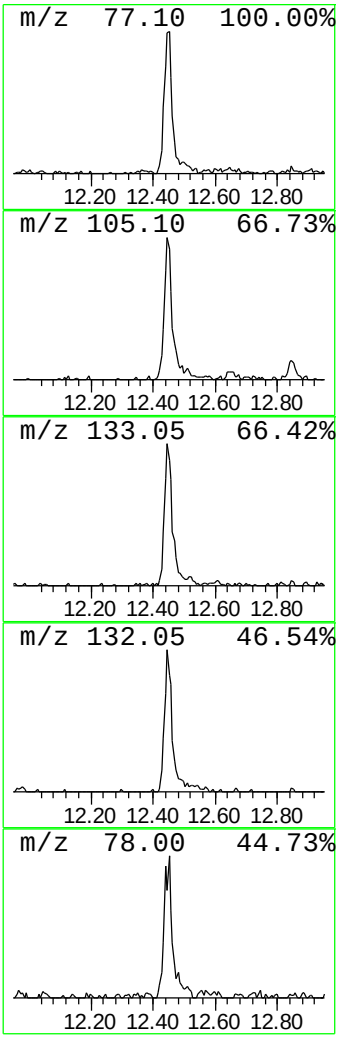
Peak Number 1 unknown-01 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.45	4.24 ng/ul	564113	Naphthalene-d8	10.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Ethylbenzoyl chloride	168	C9H9ClO	016331-45-6	27
2	Furo[2,3-c]pyridine, 2-methyl-	133	C8H7NO	069022-76-0	27
3	Acetamide, N-(2,3-dihydro-1H-ind...	175	C11H13NO	059856-06-3	22
4	Phenol, 4-bromo-2-[(1H-indazol-7...	317	C14H12BrN3O	1000350-54-6	22
5	1H-Benzoimidazole, 5-amino-1-(1-...	237	C15H15N3	1000302-59-0	16





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM060917\
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Acq On : 09 Jun 2017 20:51
Operator : SJ/MA
Sample : I3520-07
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5A39

Quant Method : Z:\HPCHEM1\BNA_M\Methods\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION

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

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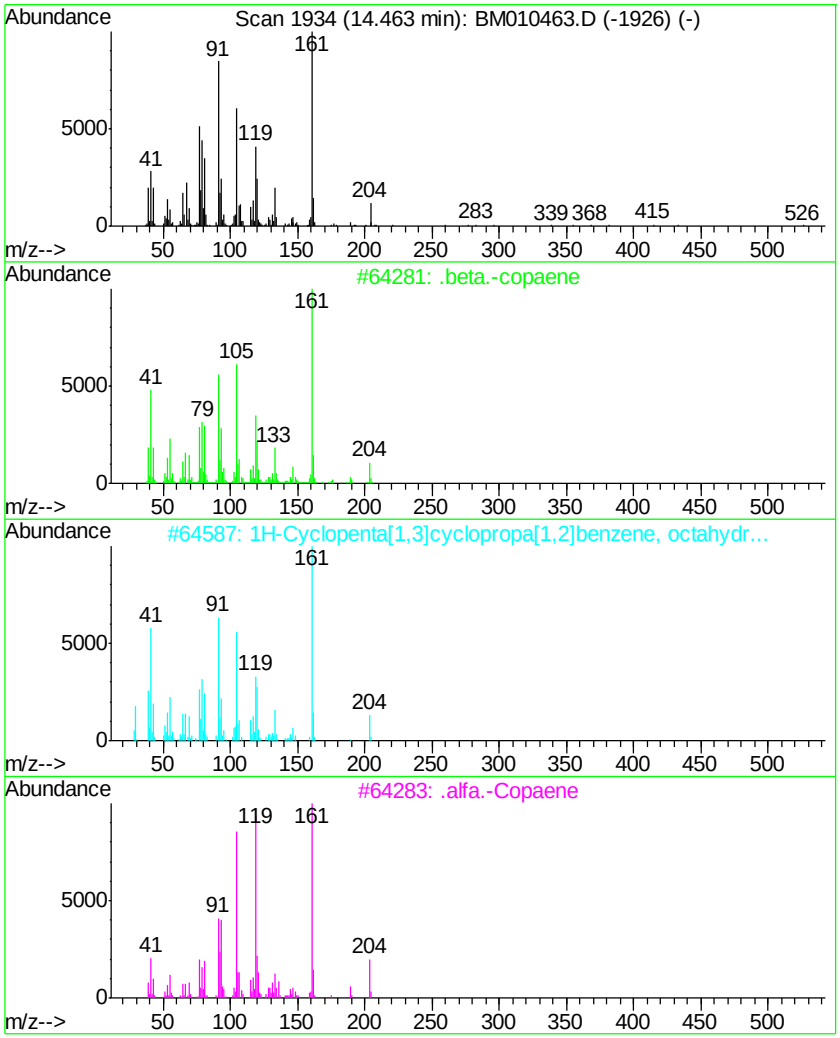
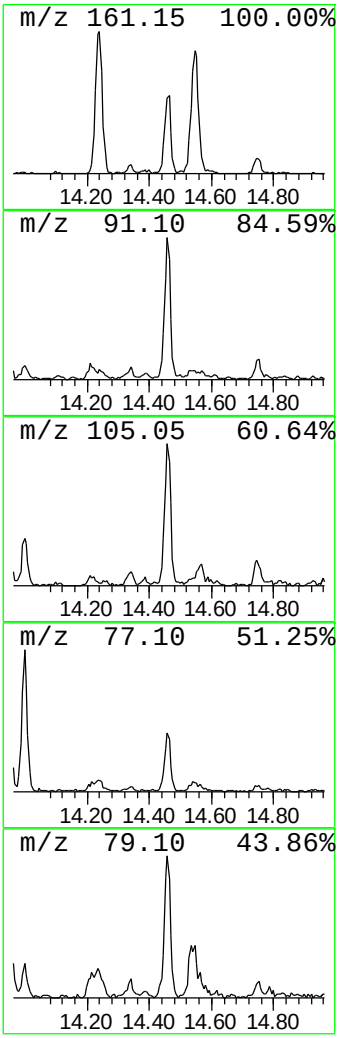
Peak Number 2 .beta.-copaene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.46	3.97 ng/ul	792866	Acenaphthene-d10	14.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.beta.-copaene	204	C15H24	1000374-18-9	95
2	1H-Cyclopenta[1,3]cyclopropa[1,2...	204	C15H24	013744-15-5	93
3	.alfa.-Copaene	204	C15H24	1000360-33-0	70
4	1H-Cyclopenta[1,3]cyclopropa[1,2...	204	C15H24	013744-15-5	64
5	1,6-Cyclodecadiene, 1-methyl-5-m...	204	C15H24	023986-74-5	62





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Acq On : 09 Jun 2017 20:51
Operator : SJ/MA
Sample : I3520-07
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5A39

Quant Method : Z:\HPCHEM1\BNA_M\Methods\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION

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

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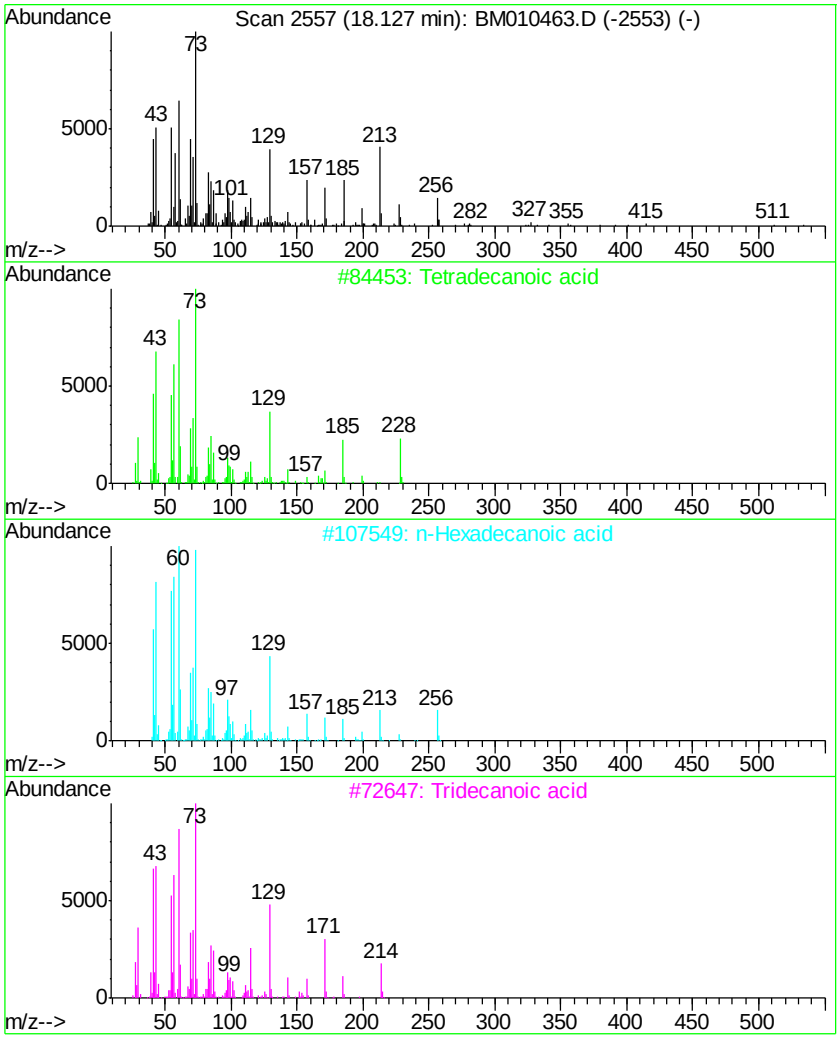
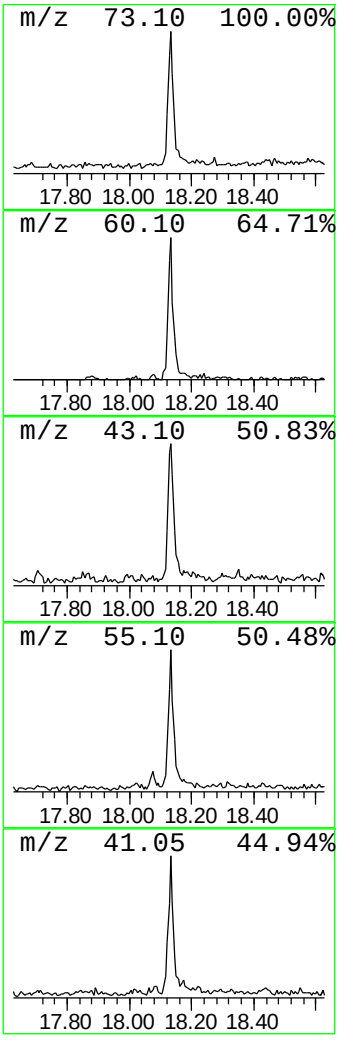
Peak Number 3 Tetradecanoic acid Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.13	3.70 ng/ul	928614	Phenanthrene-d10	17.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecanoic acid	228	C14H28O2	000544-63-8	70
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	70
3	Tridecanoic acid	214	C13H26O2	000638-53-9	55
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	55
5	Tridecanoic acid	214	C13H26O2	000638-53-9	55





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Data File : BM010463.D
Acq On : 09 Jun 2017 20:51
Operator : SJ/MA
Sample : I3520-07
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5A39

Quant Method : Z:\HPCHEM1\BNA_M\Methods\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION

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

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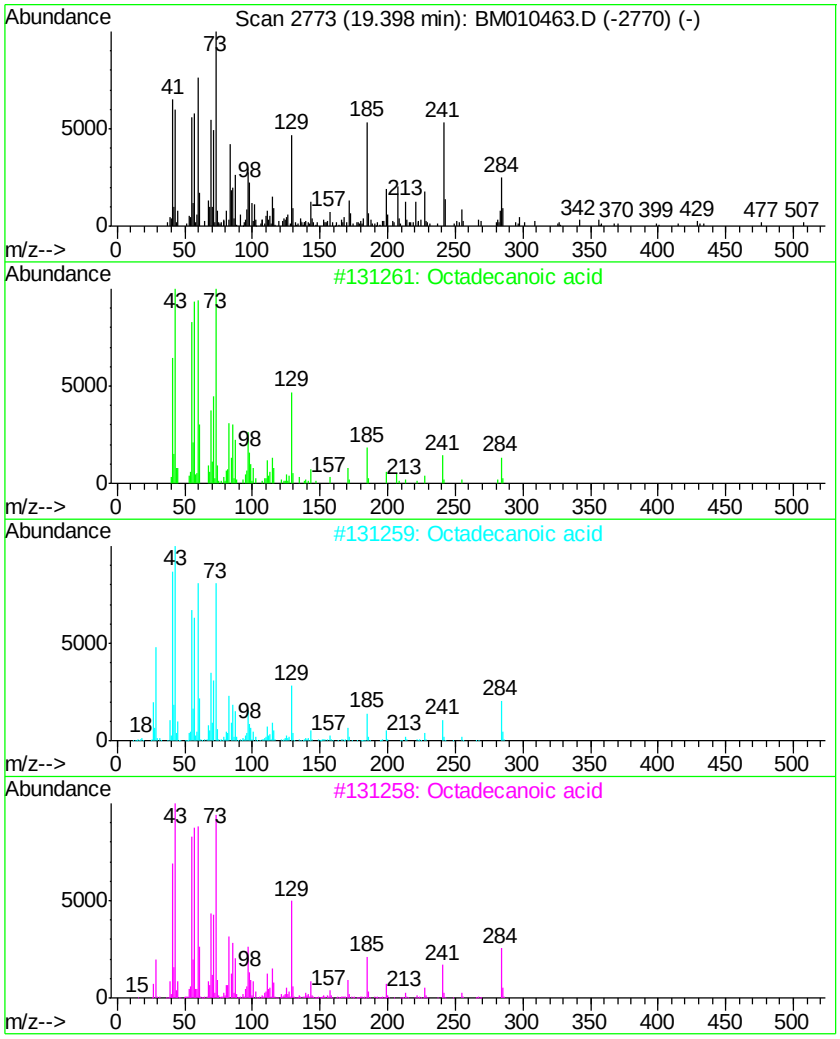
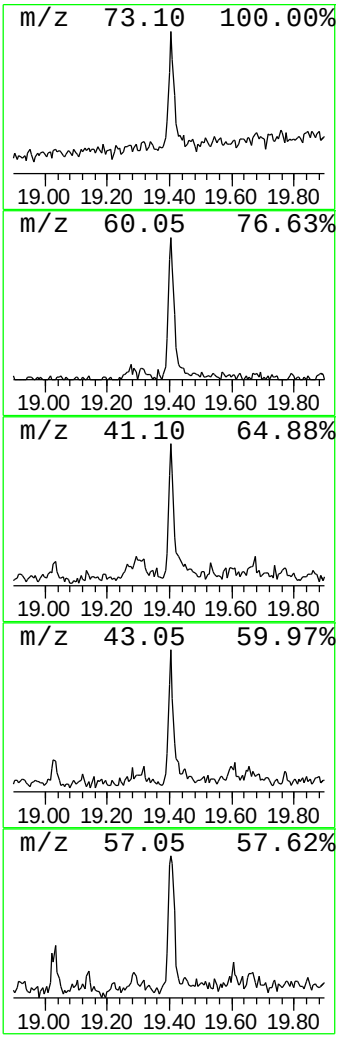
Peak Number 4 Octadecanoic acid Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.40	2.13 ng/ul	638008	Chrysene-d12	21.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	93
2	Octadecanoic acid	284	C18H36O2	000057-11-4	89
3	Octadecanoic acid	284	C18H36O2	000057-11-4	70
4	Octadecanoic acid	284	C18H36O2	000057-11-4	60
5	Tridecanoic acid	214	C13H26O2	000638-53-9	43





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Sample : I3520-07
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5A39

Quant Method : Z:\HPCHEM1\BNA_M\Methods\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION

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

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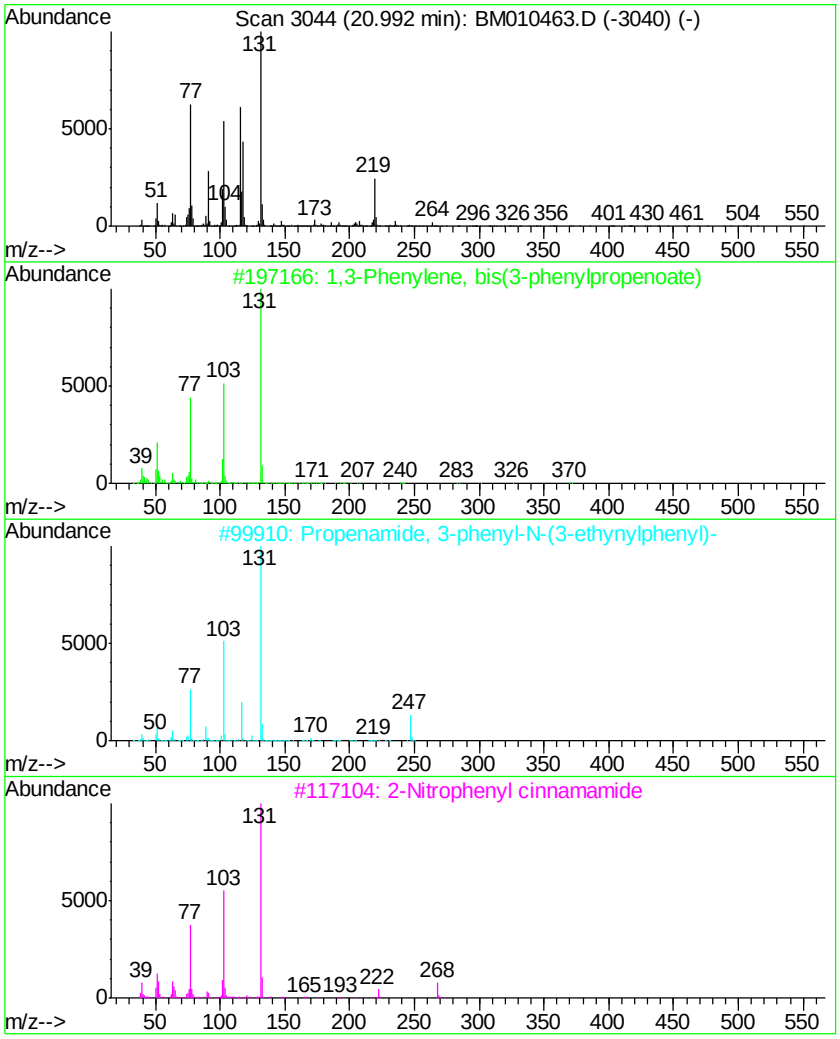
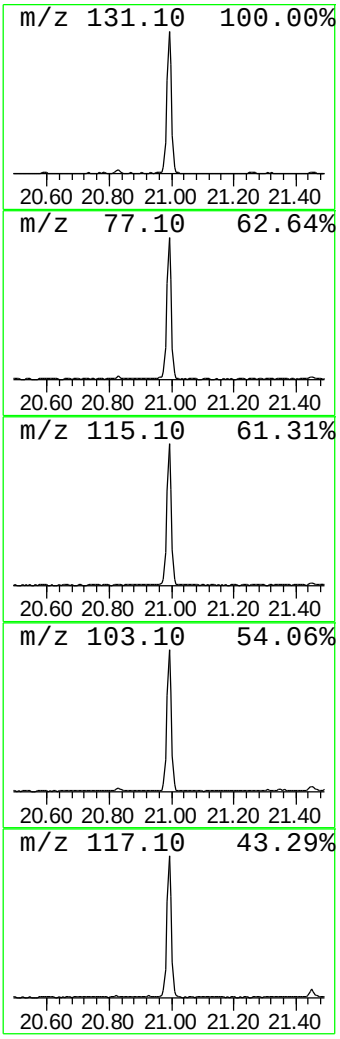
Peak Number 5 unknown-02 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.99	13.47 ng/ul	4031240	Chrysene-d12	21.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Phenylene, bis(3-phenylprope...	370	C24H18O4	1000259-62-4	45
2	Propenamide, 3-phenyl-N-(3-ethyn...	247	C17H13NO	294667-02-0	43
3	2-Nitrophenyl cinnamamide	268	C15H12N2O3	111273-37-1	43
4	Benzoic acid, 2-(1-methylethyl)-	164	C10H12O2	002438-04-2	43
5	Silane, ethoxytriethyl-	160	C8H20OSi	000597-67-1	38





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Quant Title : SVOA CALIBRATION

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

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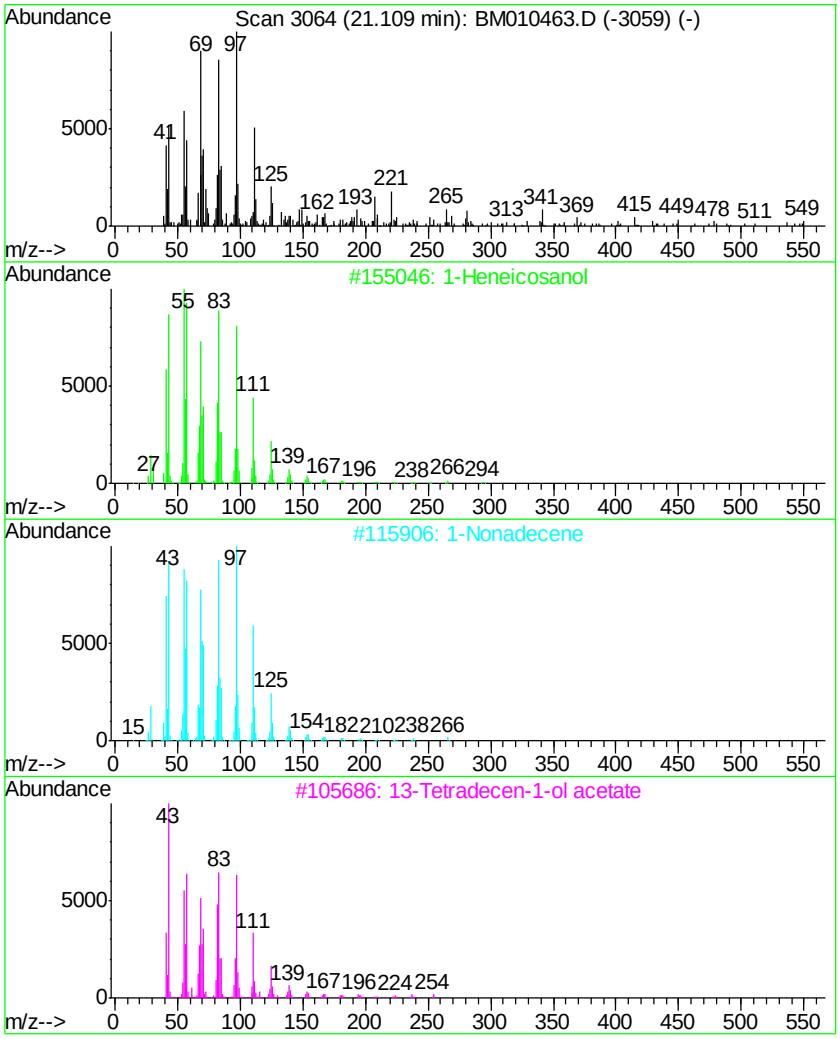
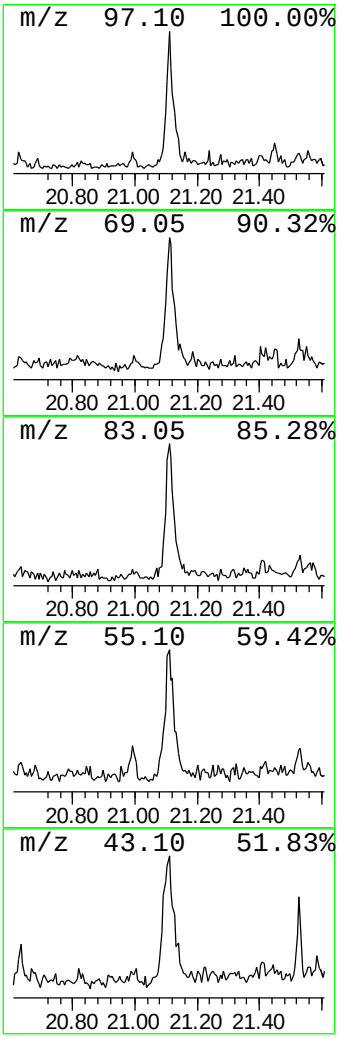
Peak Number 6 1-Heneicosanol Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.11	2.15 ng/ul	642264	Chrysene-d12	21.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Heneicosanol	312	C21H44O	015594-90-8	91
2	1-Nonadecene	266	C19H38	018435-45-5	86
3	13-Tetradecen-1-ol acetate	254	C16H30O2	056221-91-1	83
4	11-Methyldodecanol	200	C13H28O	085763-57-1	74
5	4-Trifluoroacetoxyhexadecane	338	C18H33F3O2	1000215-97-5	74





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Sample : I3520-07
Misc :
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Instrument : BNA_M
ClientSampleId : F5A39

Quant Method : Z:\HPCHEM1\BNA_M\Methods\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION

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

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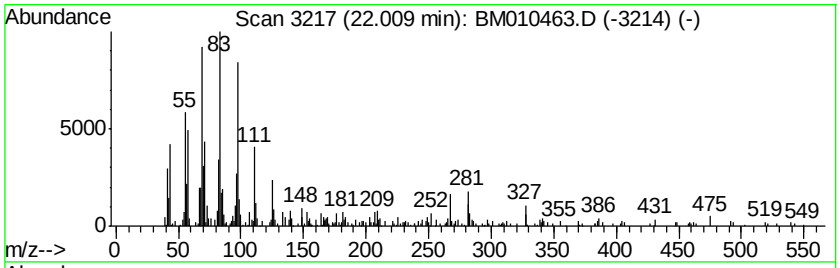
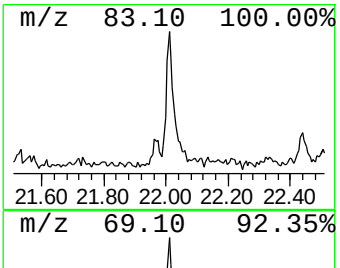
Peak Number 7 (DEL) Alkane: Cyclic22.01 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.01	2.26 ng/ul	676325	Chrysene-d12	21.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Octadecene, (E)-	252	C18H36	007206-25-9	83
2	1-Docosene	308	C22H44	001599-67-3	64
3	5-Octadecene, (E)-	252	C18H36	007206-21-5	58
4	10-Heneicosene (c,t)	294	C21H42	095008-11-0	50
5	1-Tridecene	182	C13H26	002437-56-1	49





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM060917\
Data File : BM010463.D
Acq On : 09 Jun 2017 20:51
Operator : SJ/MA
Sample : I3520-07
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5A39

Quant Method : Z:\HPCHEM1\BNA_M\Methods\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION

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

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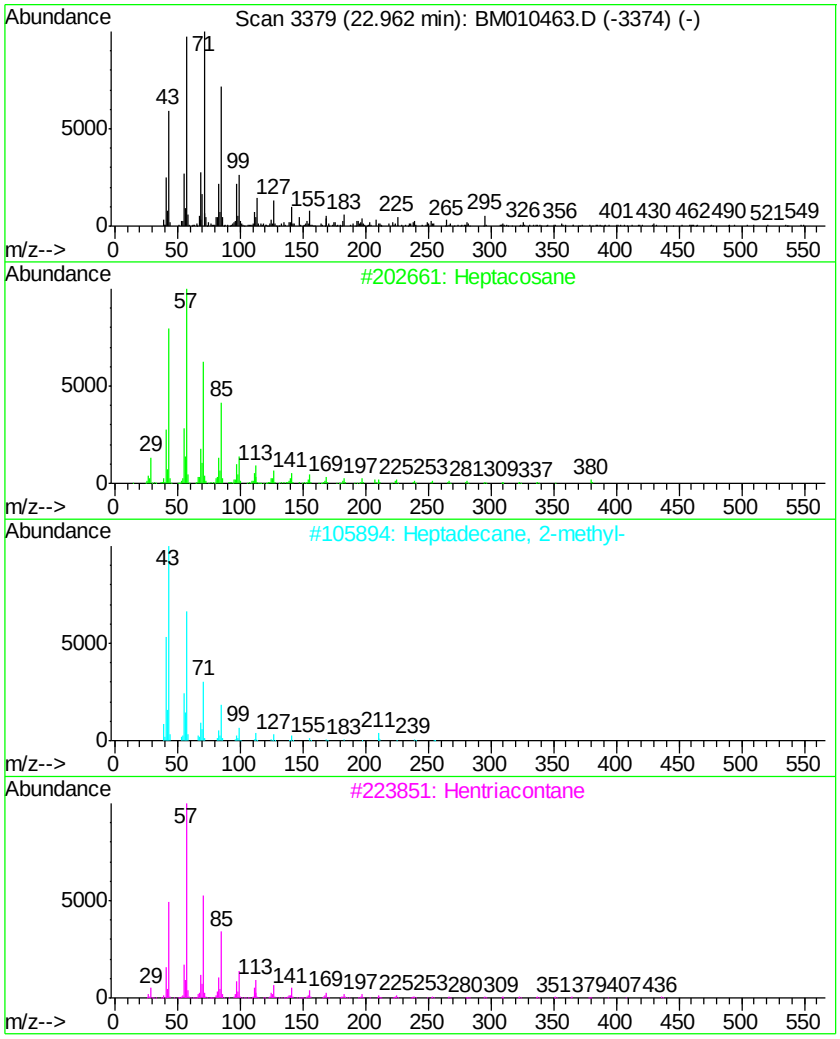
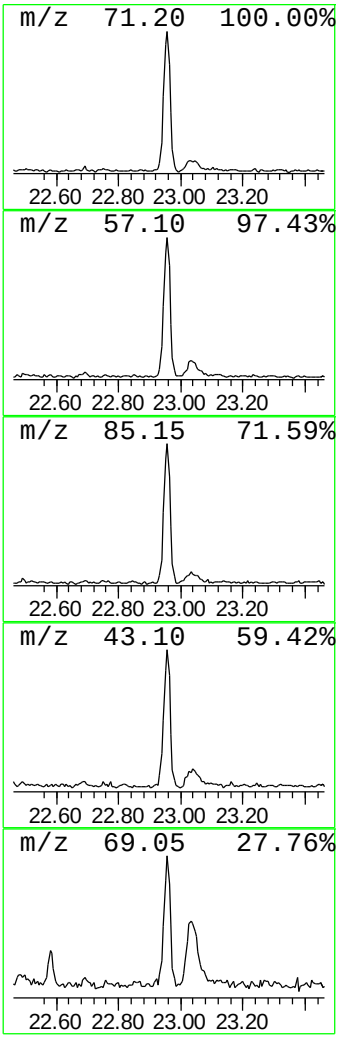
Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.96	5.57 ng/ul	1384930	Perylene-d12	23.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptacosane	380	C27H56	000593-49-7	87
2	Heptadecane, 2-methyl-	254	C18H38	001560-89-0	87
3	Hentriacontane	437	C31H64	000630-04-6	87
4	Hentriacontane	437	C31H64	000630-04-6	86
5	2-methyloctacosane	408	C29H60	1000376-72-8	83





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Data File : BM010463.D
Acq On : 09 Jun 2017 20:51
Operator : SJ/MA
Sample : I3520-07
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5A39

Quant Method : Z:\HPCHEM1\BNA_M\Methods\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION

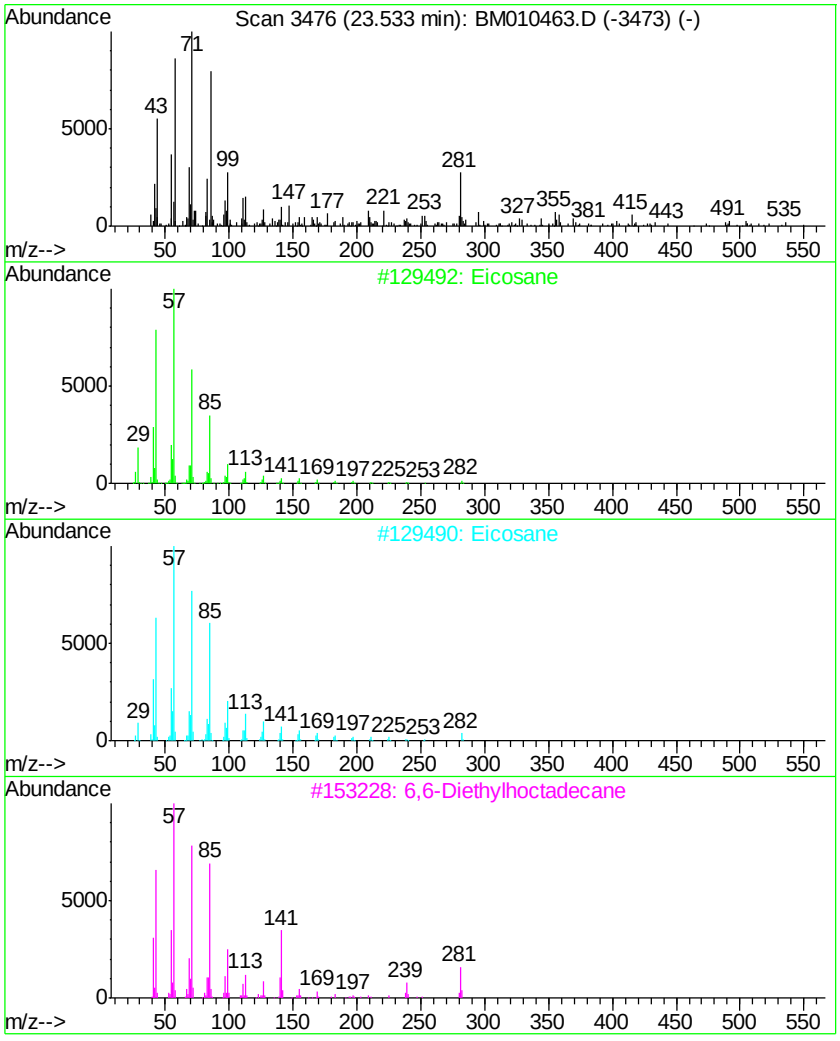
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

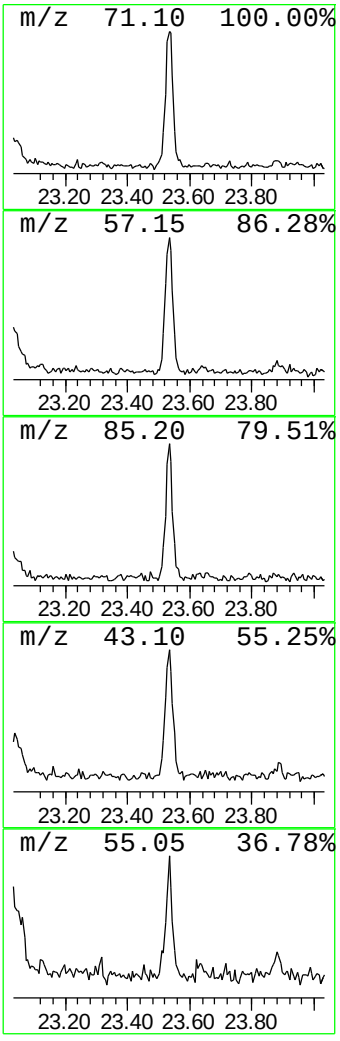
****

Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.53	2.28 ng/ul	568515	Perylene-d12	23.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	90
2	Eicosane	282	C20H42	000112-95-8	90
3	6,6-Diethylhoctadecane	310	C22H46	1000360-41-8	83
4	Octadecane	254	C18H38	000593-45-3	81
5	Hexacosane	366	C26H54	000630-01-3	74





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM060917\
Data File : BM010463.D
Acq On : 09 Jun 2017 20:51
Operator : SJ/MA
Sample : I3520-07
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5A39

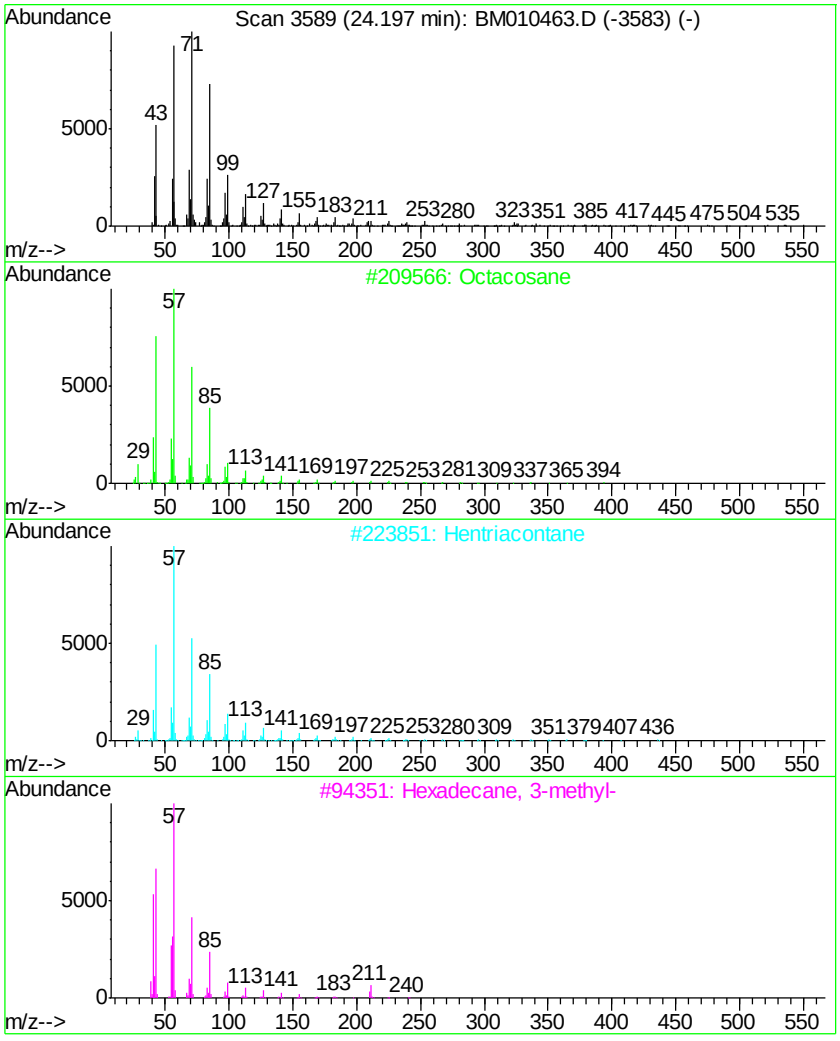
Quant Method : Z:\HPCHEM1\BNA_M\Methods\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION

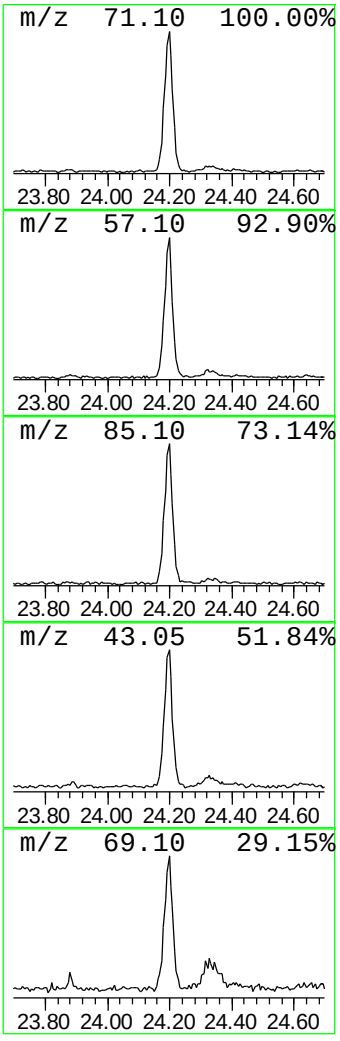
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.20	9.07 ng/ul	2256980	Perylene-d12	23.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octacosane	394	C28H58	000630-02-4	93
2	Hentriacontane	437	C31H64	000630-04-6	90
3	Hexadecane, 3-methyl-	240	C17H36	006418-43-5	90
4	2-methyloctacosane	408	C29H60	1000376-72-8	90
5	Triacontane	422	C30H62	000638-68-6	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM060917\
Data File : BM010463.D
Acq On : 09 Jun 2017 20:51
Operator : SJ/MA
Sample : I3520-07
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5A39

Quant Method : Z:\HPCHEM1\BNA_M\Methods\SOM-EPA-BM052717.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
unknown-01	12.45	4.2	ng/ul	564113	2	10.70	2661020	20.0
.beta.-copaene	14.46	4.0	ng/ul	792866	3	14.54	3993090	20.0
Tetradecanoic acid	18.13	3.7	ng/ul	928614	4	17.29	5016570	20.0
Octadecanoic acid	19.40	2.1	ng/ul	638008	5	21.45	5987460	20.0
unknown-02	20.99	13.5	ng/ul	4031240	5	21.45	5987460	20.0
1-Heneicosanol	21.11	2.1	ng/ul	642264	5	21.45	5987460	20.0
(DEL) Alkane: Cyc...	22.01	2.3	ng/ul	676325	5	21.45	5987460	20.0
(DEL) Alkane: Str...	22.96	5.6	ng/ul	1384930	6	23.79	4976300	20.0
(DEL) Alkane: Str...	23.53	2.3	ng/ul	568515	6	23.79	4976300	20.0
(DEL) Alkane: Str...	24.20	9.1	ng/ul	2256980	6	23.79	4976300	20.0