LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM121217\
Data File : BM013349.D
Acq On : 12 Dec 2017 21:12
Operator : SJ/JU
Sample : I6776-12
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A41

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	3.234	21	25	32	rVB4	31912	50148	1.00%	0.092%
2	6.863	635	642	653	rVB2	680147	1274910	25.55%	2.351%
3	7.028	664	670	678	rBV	495511	765253	15.33%	1.411%
4	7.222	697	703	710	rBV	689034	1076728	21.57%	1.986%
5	7.686	773	782	789	rBV	739260	1171004	23.46%	2.160%
6	8.392	895	902	911	rBV	871735	1347918	27.01%	2.486%
7	8.528	918	925	935	rBV	78065	155544	3.12%	0.287%
8	8.839	971	978	985	rBV	723118	1157044	23.18%	2.134%
9	9.557	1093	1100	1115	rBV	605884	1012554	20.29%	1.867%
10	9.692	1115	1123	1133	rVB2	92981	180343	3.61%	0.333%
11	10.092	1183	1191	1202	rBV	901581	1521715	30.49%	2.806%
12	10.463	1247	1254	1261	rBV	1005847	1693725	33.94%	3.124%
13	10.539	1261	1267	1272	rVV7	74388	205621	4.12%	0.379%
14	10.604	1272	1278	1291	rVB	767349	1375191	27.55%	2.536%
15	13.151	1706	1711	1718	rBV2	40025	60574	1.21%	0.112%
16	13.745	1805	1812	1816	rBV	1638904	2425139	48.59%	4.473%
17	13.786	1816	1819	1828	rVB	298941	435472	8.73%	0.803%
18	14.015	1850	1858	1869	rBV	1883354	2872218	57.55%	5.297%
19	14.233	1889	1895	1901	rBV	109901	138762	2.78%	0.256%
20	14.327	1904	1911	1920	rBV2	1530349	2389027	47.87%	4.406%
21	14.539	1941	1947	1962	rBV	658557	1146703	22.98%	2.115%
22	15.192	2053	2058	2063	rVB	125720	156916	3.14%	0.289%
23	15.327	2074	2081	2087	rBV	2387870	3426737	68.66%	6.320%
24	15.451	2096	2102	2114	rBV	660214	921857	18.47%	1.700%
25	15.568	2117	2122	2124	rBV3	32936	52849	1.06%	0.097%
26	16.051	2199	2204	2212	rBV	111134	179633	3.60%	0.331%
27	16.845	2335	2339	2345	rBV4	54708	67858	1.36%	0.125%
28	17.080	2371	2379	2384	rBV2	2120270	3052860	61.17%	5.630%
29	17.115	2384	2385	2389	rVV	57868	60571	1.21%	0.112%
30	17.174	2389	2395	2407	rVB	2670401	3933785	78.82%	7.255%
31	17.980	2527	2532	2542	rBV2	240139	335077	6.71%	0.618%
32	18.274	2575	2582	2586	rBV7	57811	92109	1.85%	0.170%
33	18.550	2624	2629	2637	rVB	771750	1000324	20.04%	1.845%
34	18.633	2637	2643	2647	rBV3	94617	130902	2.62%	0.241%

LSC Area Percent Report

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Operator : SJ/JU
Sample : I6776-12
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A41

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	19.139	2720	2729	2736	rBV2	190849	359603	7.21%	0.663%
36	19.268	2744	2751	2759	rBV3	188622	321113	6.43%	0.592%
37	19.474	2780	2786	2800	rVB	3490360	4990735	100.00%	9.204%
38	19.921	2857	2862	2866	rVB	190173	224275	4.49%	0.414%
39	19.992	2866	2874	2879	rBV9	35860	78718	1.58%	0.145%
40	20.144	2896	2900	2903	rBV5	55928	79626	1.60%	0.147%
41	20.456	2949	2953	2959	rVB	165367	231220	4.63%	0.426%
42	20.744	2999	3002	3008	rVB4	51180	75826	1.52%	0.140%
43	20.986	3039	3043	3051	rBV	398225	482812	9.67%	0.890%
44	21.191	3074	3078	3081	rVB	125369	137144	2.75%	0.253%
45	21.268	3084	3091	3095	rBV	2824038	3740936	74.96%	6.899%
46	21.586	3142	3145	3149	rVB3	77012	91691	1.84%	0.169%
47	22.827	3352	3356	3361	rBV2	196128	301020	6.03%	0.555%
48	23.356	3439	3446	3460	rVB2	2131849	4268147	85.52%	7.872%
49	23.491	3463	3469	3482	rVB	1555763	2971446	59.54%	5.480%

Sum of corrected areas: 54221383

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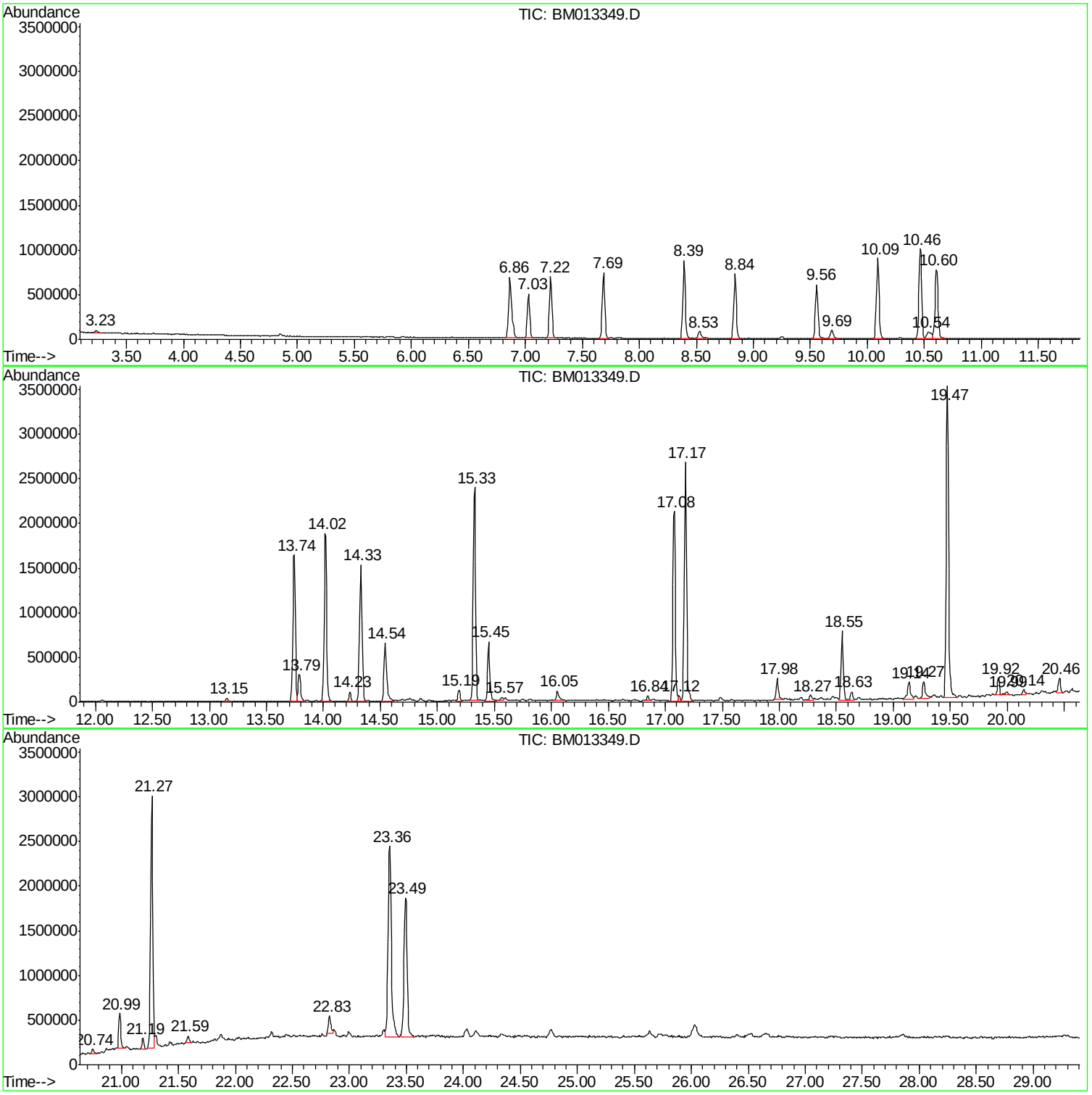
Instrument :
BNA_M
ClientSampleId :
F9A41

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

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Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

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

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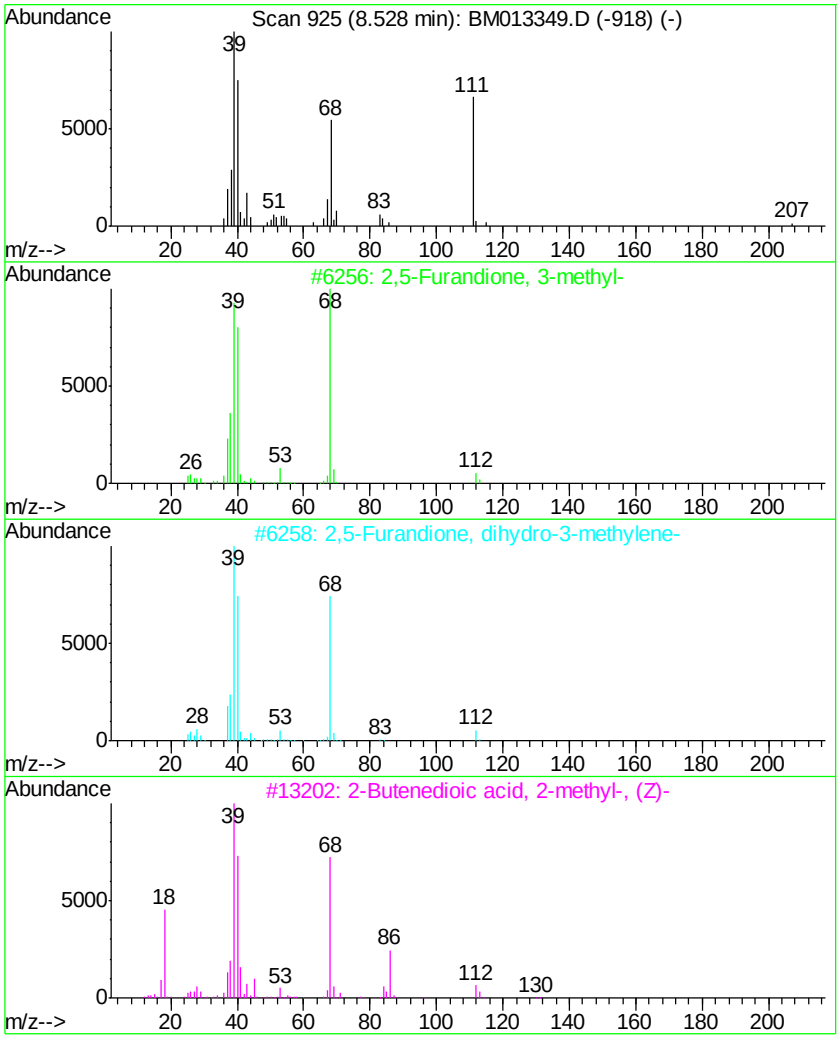
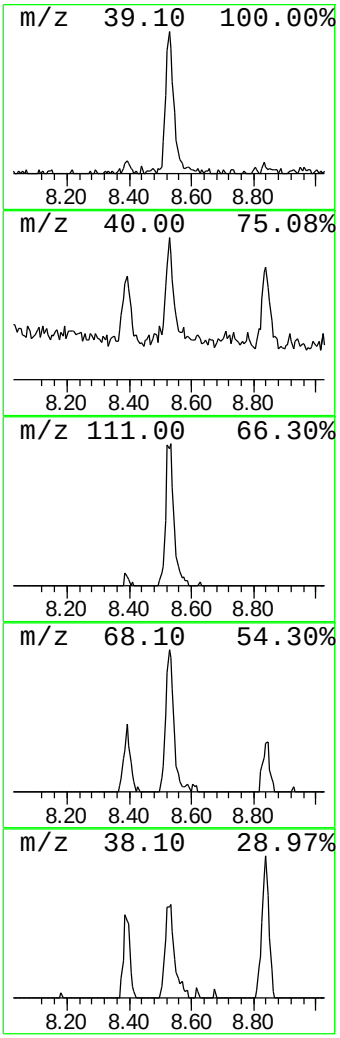
Peak Number 1 2,5-Furandione, 3-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.53	2.66 ng/ul	155544	1,4-Dichlorobenzene-d4	7.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,5-Furandione, 3-methyl-	112	C5H4O3	000616-02-4	87
2	2,5-Furandione, dihydro-3-methyl...	112	C5H4O3	002170-03-8	87
3	2-Butenedioic acid, 2-methyl-, (Z)-	130	C5H6O4	000498-23-7	72
4	2,5-Furandione, 3-methyl-	112	C5H4O3	000616-02-4	72
5	2,5-Furandione, dihydro-3-methyl...	112	C5H4O3	002170-03-8	59





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Sample : I6776-12
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A41

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

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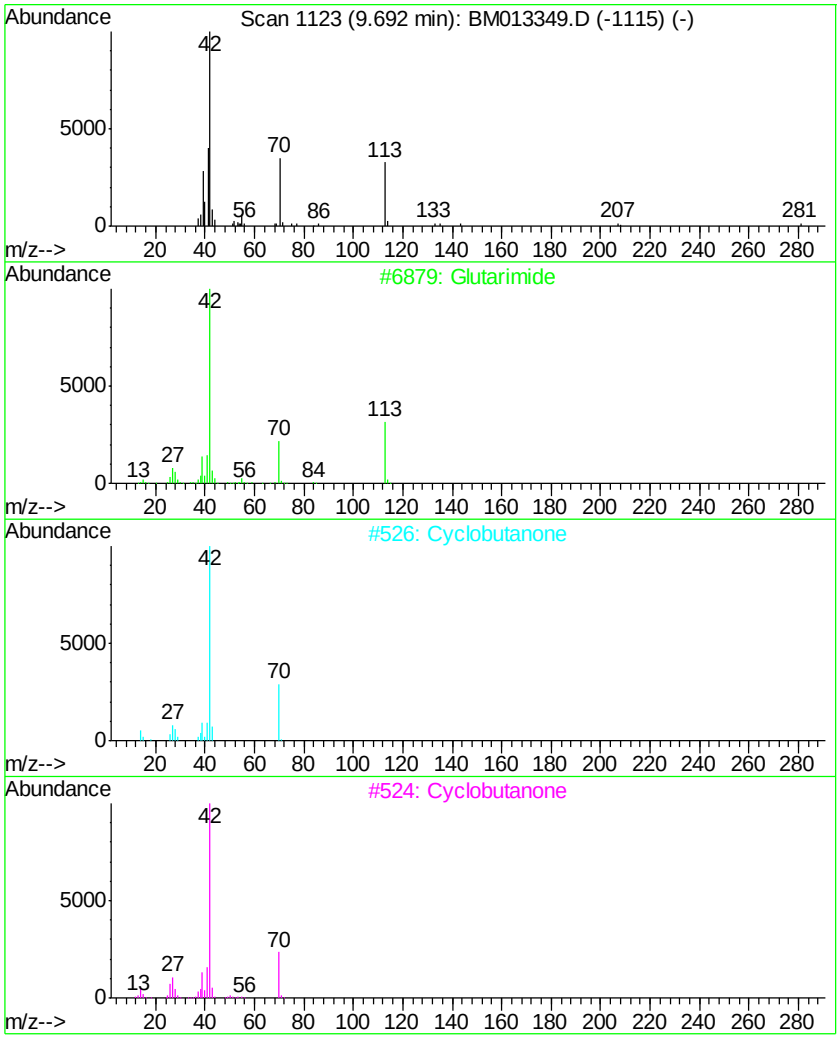
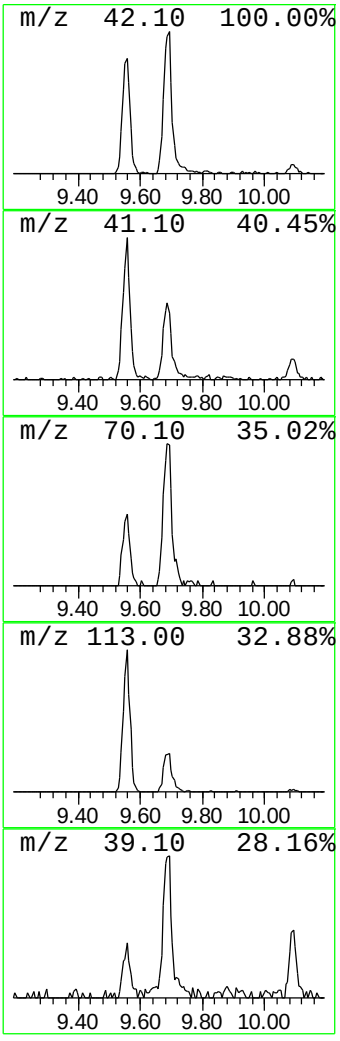
Peak Number 2 Glutarimide Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.69	2.13 ng/ul	180343	Naphthalene-d8	10.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Glutarimide	113	C5H7NO2	001121-89-7	86
2	Cyclobutanone	70	C4H6O	001191-95-3	64
3	Cyclobutanone	70	C4H6O	001191-95-3	64
4	Cyclopropane, ethyl-	70	C5H10	001191-96-4	59
5	2,5-Furandione, dihydro-3-methyl-	114	C5H6O3	004100-80-5	59





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Data File : BM013349.D
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Operator : SJ/JU
Sample : I6776-12
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A41

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

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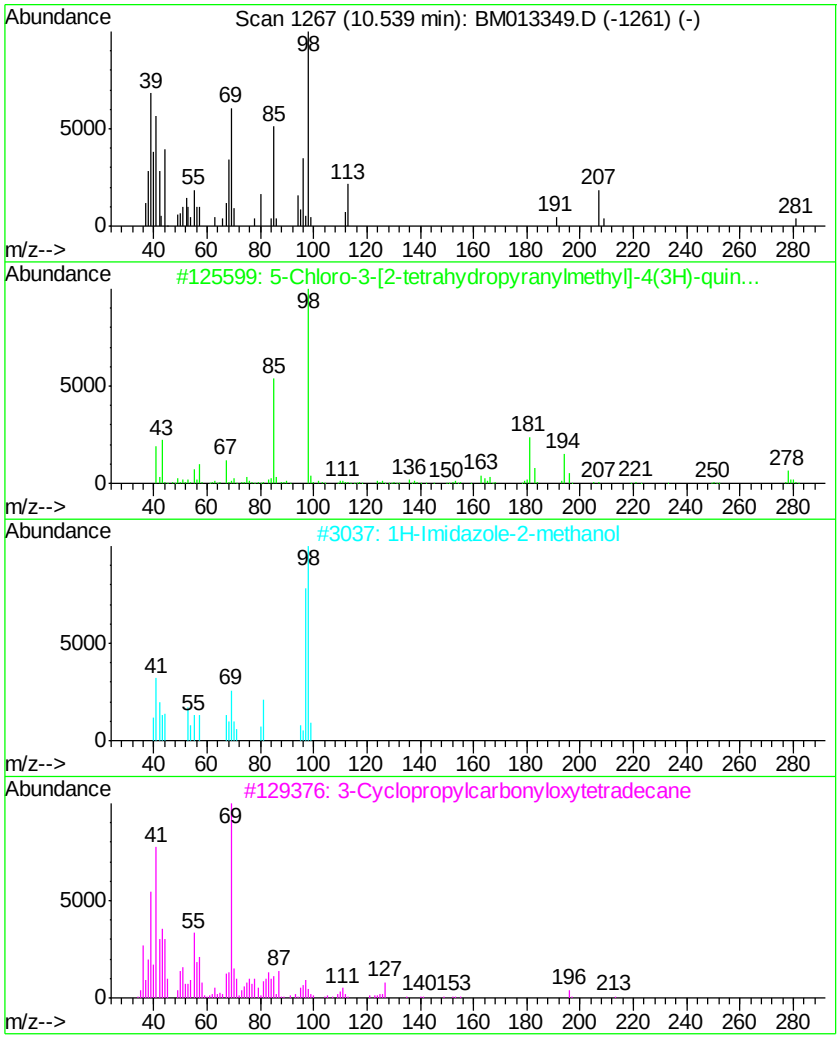
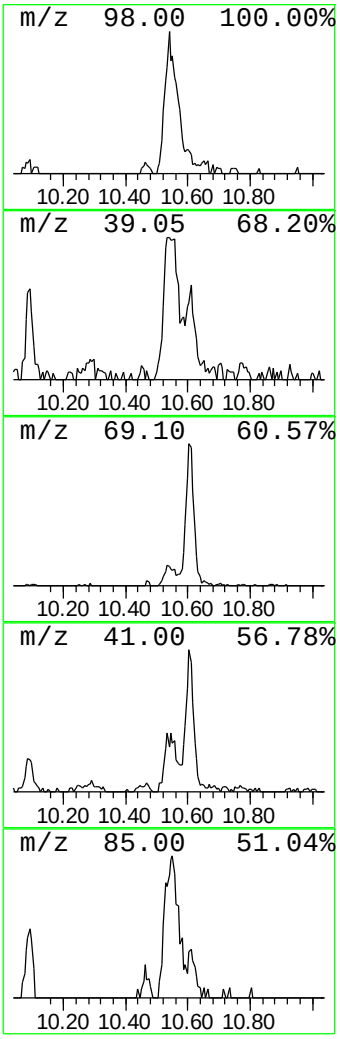
Peak Number 3 unknown-01 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.54	2.43 ng/ul	205621	Naphthalene-d8	10.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Chloro-3-[2-tetrahydropyranylm...	278	C14H15ClN2O2	1000255-11-0	38
2	1H-Imidazole-2-methanol	98	C4H6N2O	003724-26-3	37
3	3-Cyclopropylcarbonyloxytetradecane	282	C18H34O2	1000245-58-7	32
4	Piperidine, 1,2-dimethyl-	113	C7H15N	000671-36-3	27
5	2,2'-Bipyridine-3,3'-diol	188	C10H8N2O2	036145-03-6	22





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Instrument : BNA_M
ClientSampleId : F9A41

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Quant Title : SVOA CALIBRATION

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

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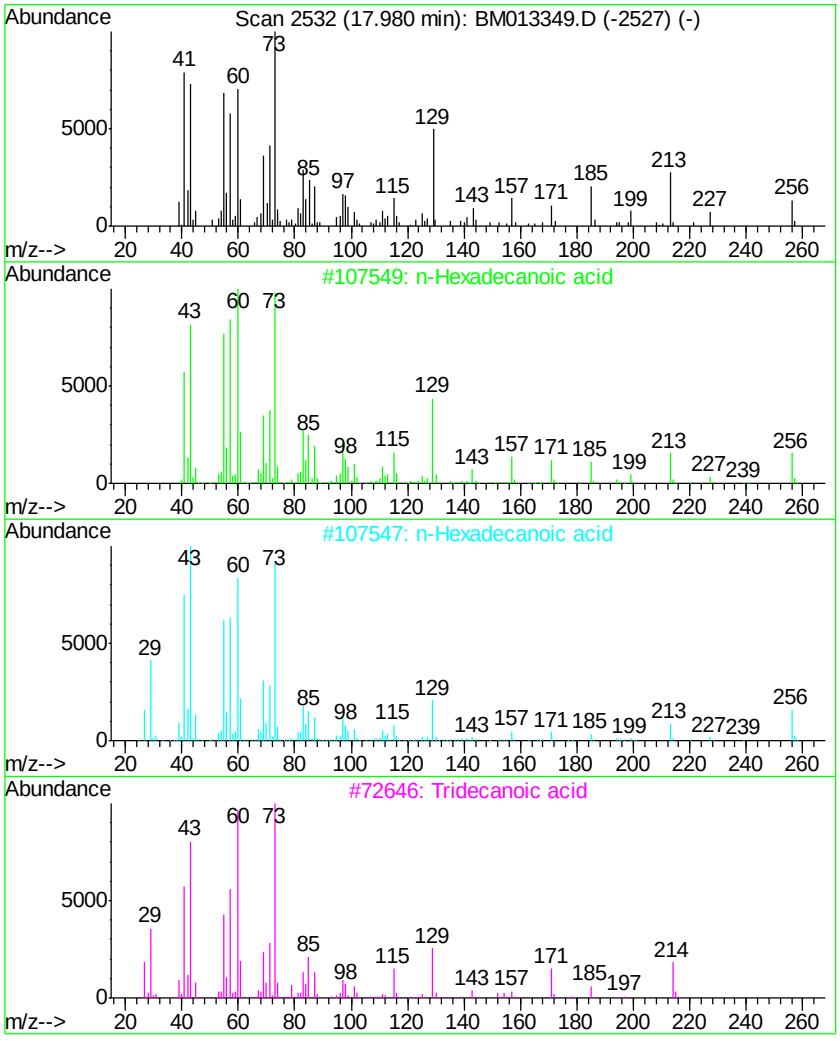
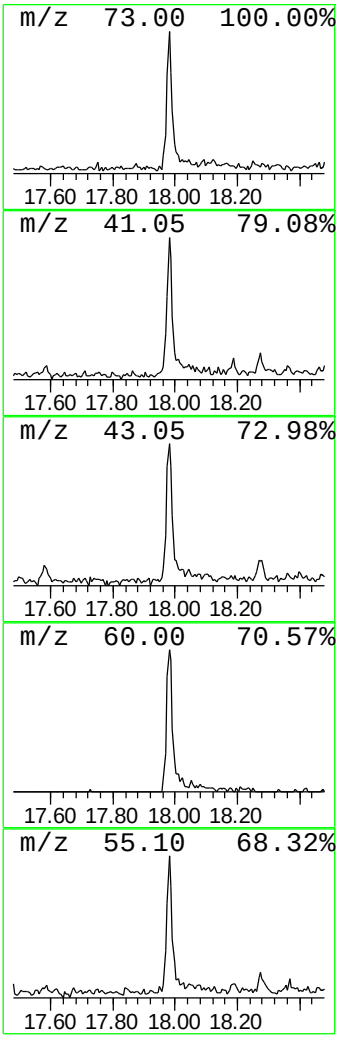
Peak Number 4 n-Hexadecanoic acid Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.98	2.20 ng/ul	335077	Phenanthrene-d10	17.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	89
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	89
3	Tridecanoic acid	214	C13H26O2	000638-53-9	83
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	74
5	Tetradecanoic acid	228	C14H28O2	000544-63-8	64





Library Search Compound Report

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Instrument : BNA_M
ClientSampleId : F9A41

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

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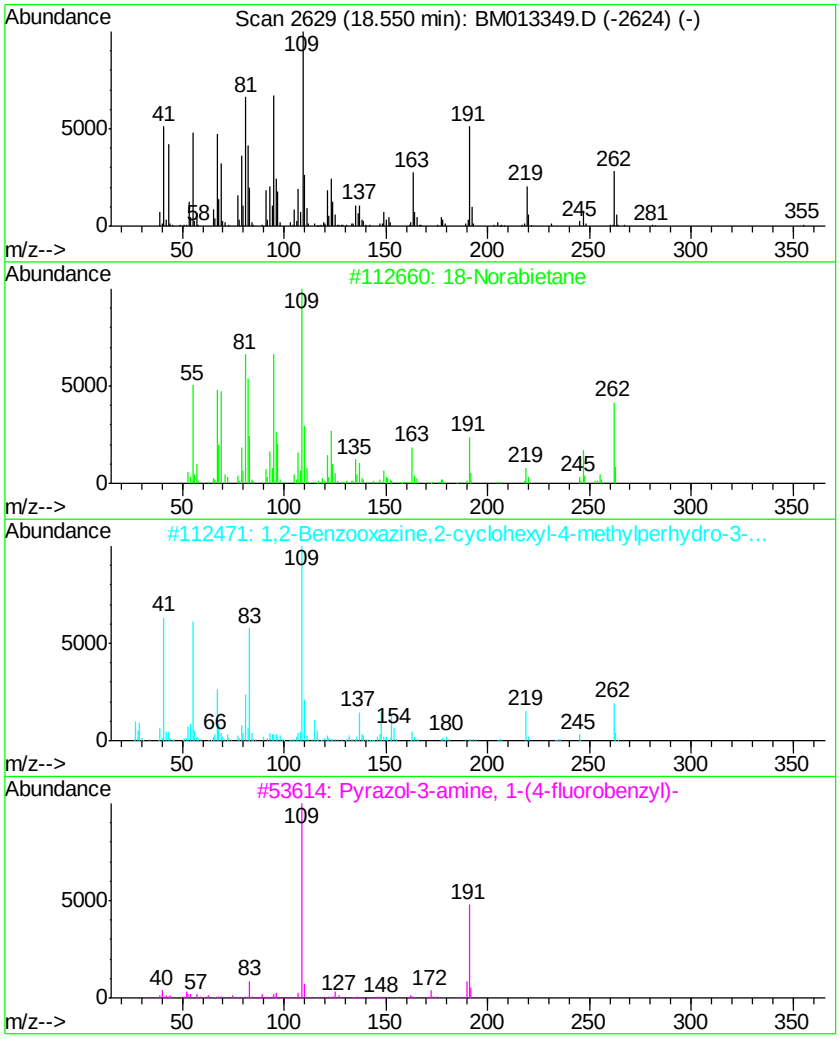
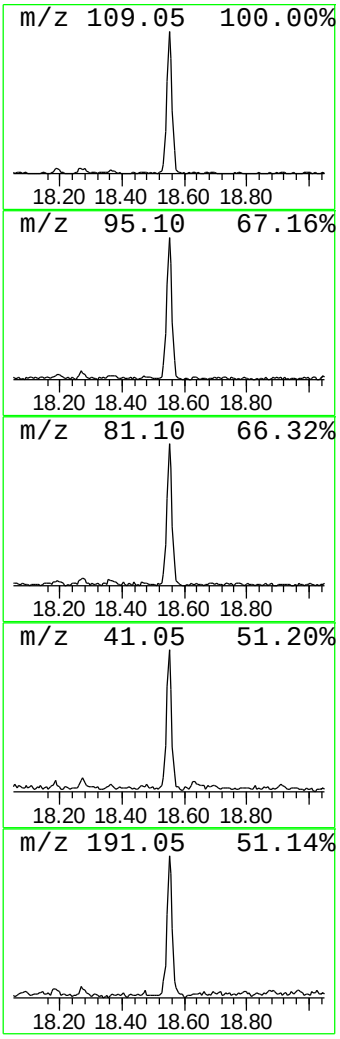
Peak Number 5 18-Norabietane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.55	6.55 ng/ul	1000320	Phenanthrene-d10	17.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	18-Norabietane	262	C19H34	1000293-16-6	93
2	1,2-Benzooxazine,2-cyclohexyl-4-...	262	C16H26N2O	037898-39-8	43
3	Pyrazol-3-amine, 1-(4-fluorobenz...	191	C10H10FN3	1000272-83-2	35
4	Bicyclo[7.7.0]hexadec-1(9)-ene	220	C16H28	1000159-39-6	22
5	(1,3-Dimethyl-2-methylene-cyclop...	140	C9H16O	1000190-16-2	22





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Quant Title : SVOA CALIBRATION

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

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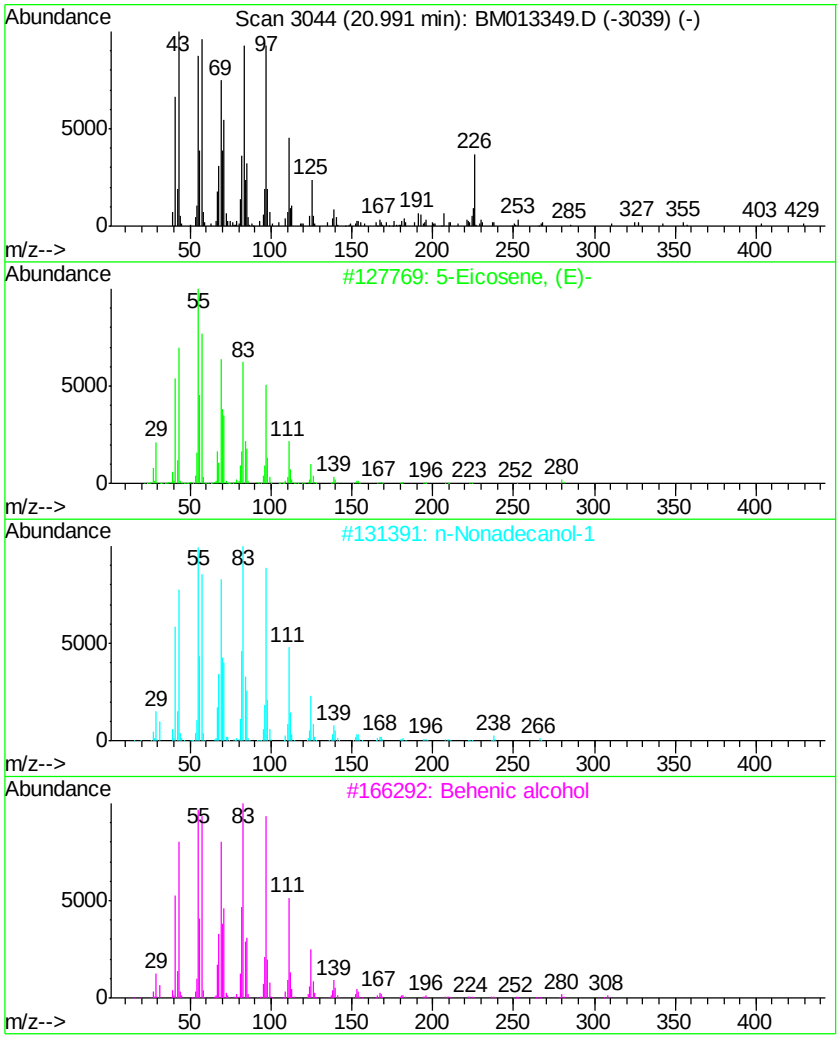
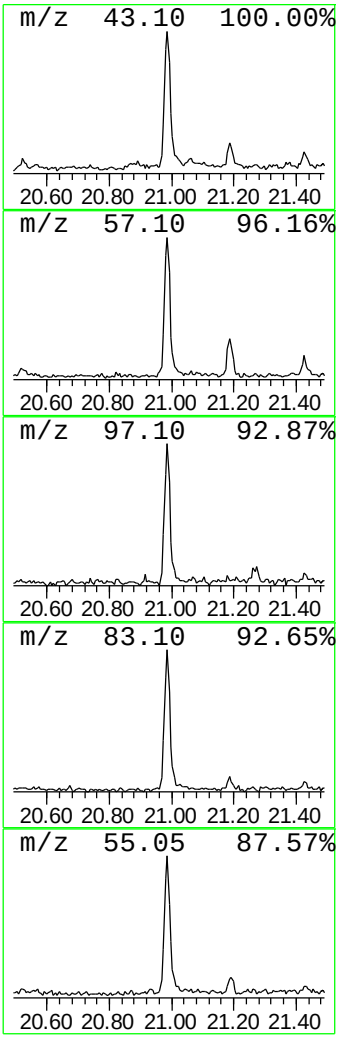
Peak Number 7 (DEL) Alkane: Cyclic20.99 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.99	2.58 ng/ul	482812	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Eicosene, (E)-	280	C20H40	074685-30-6	97
2	n-Nonadecanol-1	284	C19H40O	001454-84-8	93
3	Behenic alcohol	326	C22H46O	000661-19-8	93
4	1-Heptacosanol	396	C27H56O	002004-39-9	93
5	n-Tetracosanol-1	354	C24H50O	000506-51-4	92





Tentatively Identified Compound (LSC) summary

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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
2,5-Furandione, 3...	8.53	2.7	ng/ul	155544	1	7.69	1171000	20.0
Glutarimide	9.69	2.1	ng/ul	180343	2	10.46	1693730	20.0
unknown-01	10.54	2.4	ng/ul	205621	2	10.46	1693730	20.0
n-Hexadecanoic acid	17.98	2.2	ng/ul	335077	4	17.08	3052860	20.0
18-Norabietane	18.55	6.5	ng/ul	1000320	4	17.08	3052860	20.0
(DEL) Alkane: Cyc...	20.99	2.6	ng/ul	482812	5	21.27	3740940	20.0