LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM101717\
Data File : BM012272.D
Acq On : 18 Oct 2017 05:22
Operator : SJ/JU
Sample : I5664-13
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0B76

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-BM101217.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	6.957	651	658	676	rVB2	854931	1797674	9.26%	2.022%
2	7.116	676	685	699	rBV	627290	1024503	5.28%	1.152%
3	7.316	712	719	727	rBV	824307	1432781	7.38%	1.612%
4	7.786	793	799	807	rBV	834816	1401431	7.22%	1.576%
5	8.498	914	920	932	rBV	783013	1395605	7.19%	1.570%
6	8.880	975	985	991	rBV	116683	195227	1.01%	0.220%
7	8.951	991	997	1013	rVV	605086	1095792	5.64%	1.233%
8	9.675	1113	1120	1130	rBV	555982	1003921	5.17%	1.129%
9	10.216	1205	1212	1220	rBV	833361	1570229	8.09%	1.766%
10	10.586	1268	1275	1281	rBV	887845	1569661	8.08%	1.766%
11	10.733	1293	1300	1315	rBV	619464	1241578	6.39%	1.396%
12	11.904	1493	1499	1509	rBV	242568	433897	2.23%	0.488%
13	12.410	1573	1585	1599	rBV2	116634	490737	2.53%	0.552%
14	13.845	1820	1829	1833	rBV	1770050	2525649	13.01%	2.841%
15	13.892	1833	1837	1851	rVB	1639346	2326696	11.98%	2.617%
16	14.133	1871	1878	1888	rVB	1974365	2944203	15.16%	3.312%
17	14.439	1923	1930	1938	rBV2	1510429	2275093	11.72%	2.559%
18	14.674	1964	1970	1988	rBV	293368	732718	3.77%	0.824%
19	15.257	2065	2069	2074	rVB	171673	243555	1.25%	0.274%
20	15.433	2090	2099	2110	rBV	2638798	3812185	19.63%	4.288%
21	15.580	2119	2124	2135	rBV	278965	502729	2.59%	0.565%
22	15.798	2155	2161	2170	rBV	1758876	2461903	12.68%	2.769%
23	17.186	2391	2397	2402	rBV2	2013551	2881905	14.84%	3.241%
24	17.286	2408	2414	2422	rBV	2746265	3981697	20.50%	4.479%
25	18.009	2533	2537	2542	rBV2	124066	202779	1.04%	0.228%
26	18.068	2542	2547	2553	rBV	981742	1322143	6.81%	1.487%
27	19.345	2760	2764	2768	rBV	618583	812659	4.18%	0.914%
28	19.580	2799	2804	2816	rBV	3196017	4751292	24.47%	5.344%
29	20.497	2955	2960	2965	rVB	4056924	4425194	22.79%	4.977%
30	21.056	3051	3055	3059	rVB	842601	952022	4.90%	1.071%
31	21.268	3083	3091	3097	rBV	17505026	19418397	100.00%	21.841%
32	21.368	3104	3108	3113	rBV	2729793	3580605	18.44%	4.027%
33	21.891	3193	3197	3201	rBV	1469254	1722020	8.87%	1.937%
34	22.403	3281	3284	3290	rVB	713837	970823	5.00%	1.092%

LSC Area Percent Report

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Operator : SJ/JU
Sample : I5664-13
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0B76

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-BM101217.M
Title : SVOA CALIBRATION

35	22.615	3318	3320	3326	rBV6	332316	717106	3.69%	0.807%
36	22.850	3359	3360	3365	rBV4	395113	715958	3.69%	0.805%
37	23.521	3470	3474	3492	rVB2	2134467	5309073	27.34%	5.972%
38	23.668	3494	3499	3514	rVB	1649985	4059612	20.91%	4.566%
39	23.768	3514	3516	3519	rBV4	350691	605738	3.12%	0.681%

Sum of corrected areas: 88906790

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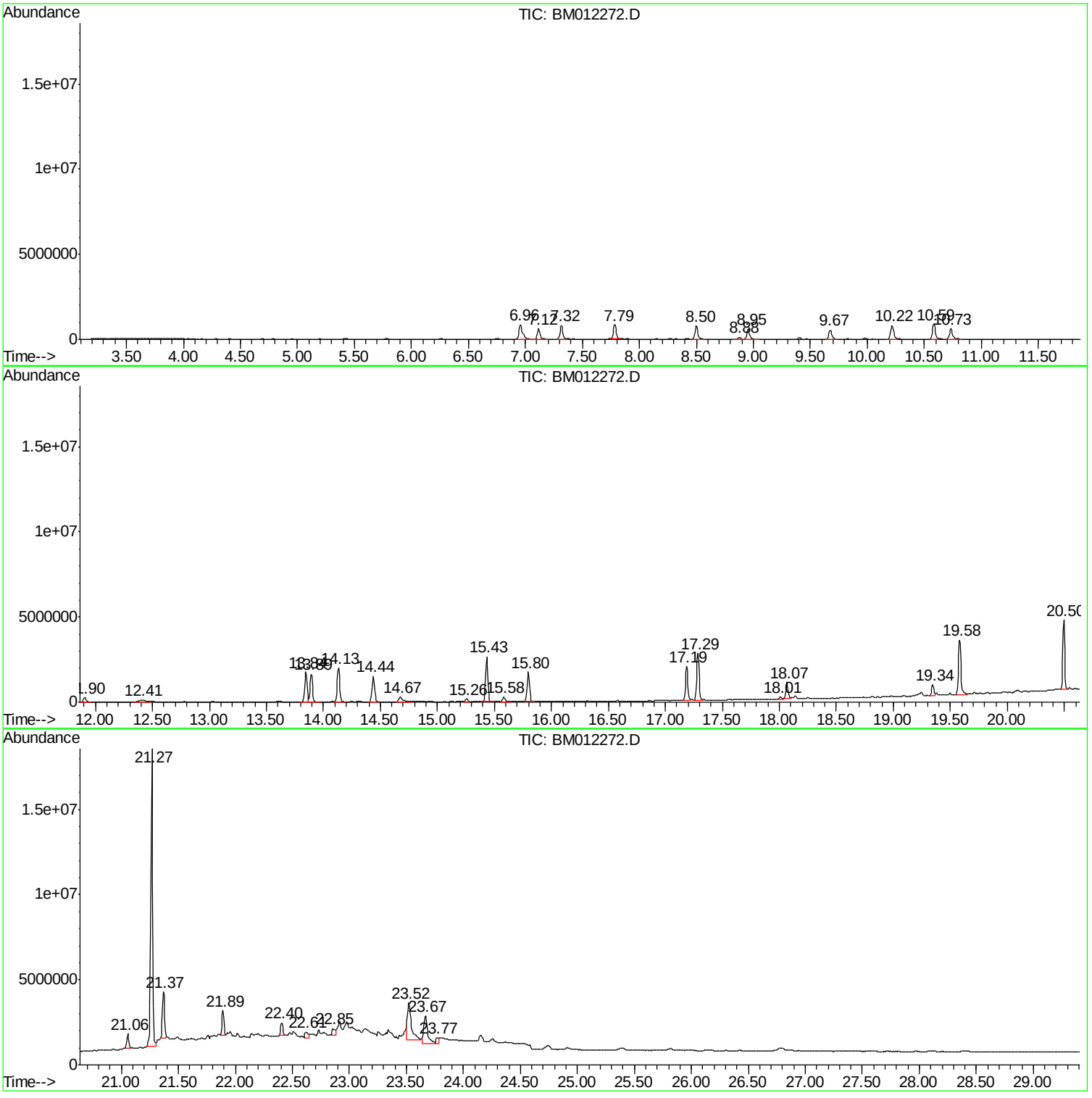
C0B76

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

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



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Quant Title : SVOA CALIBRATION

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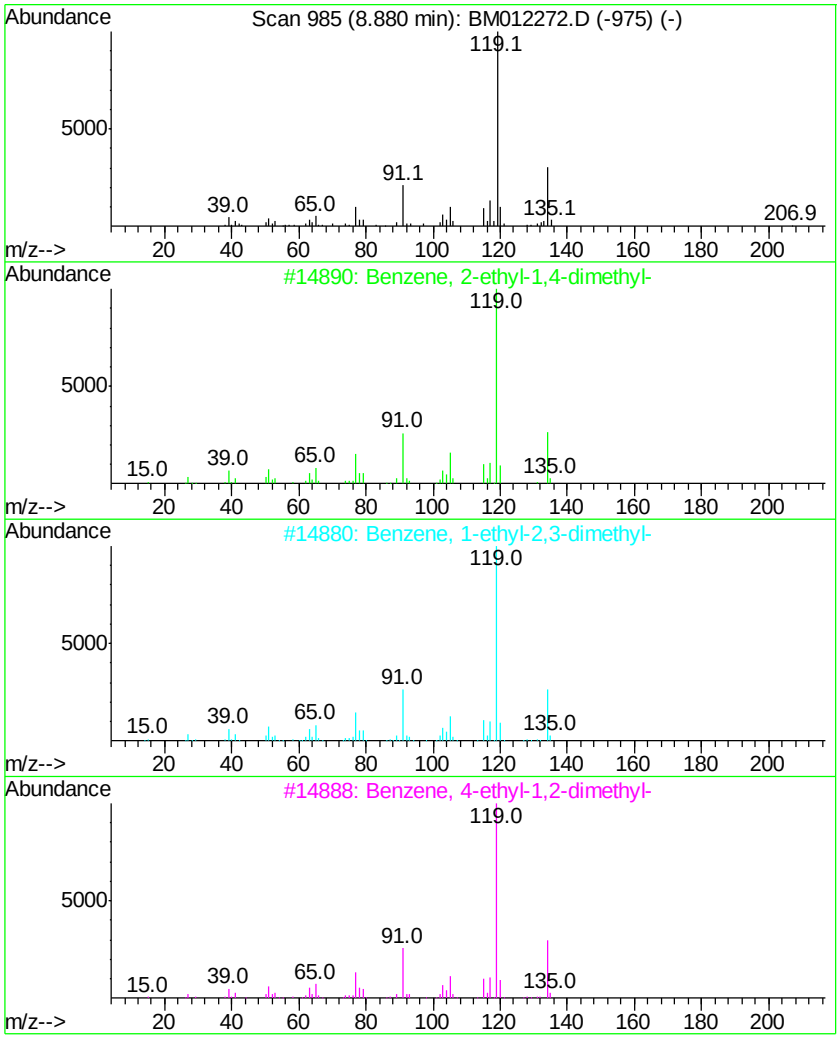
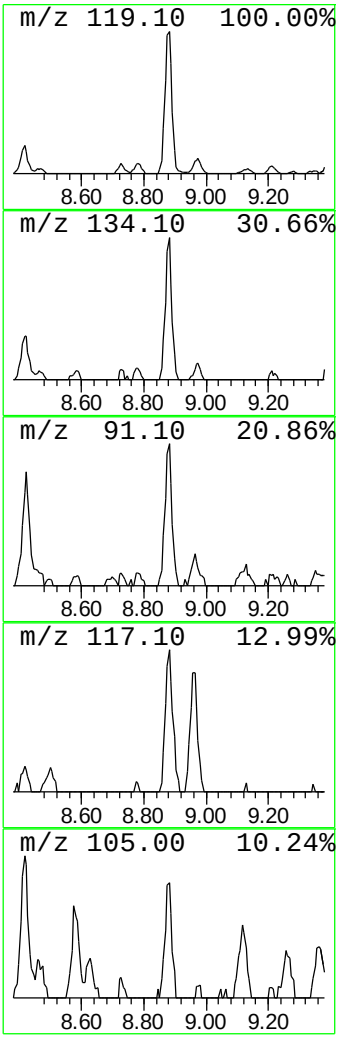
Peak Number 1 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.88	2.79 ng/ul	195227	1,4-Dichlorobenzene-d4	7.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	96
2	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	96
3	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	96
4	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94
5	o-Cymene	134	C10H14	000527-84-4	94





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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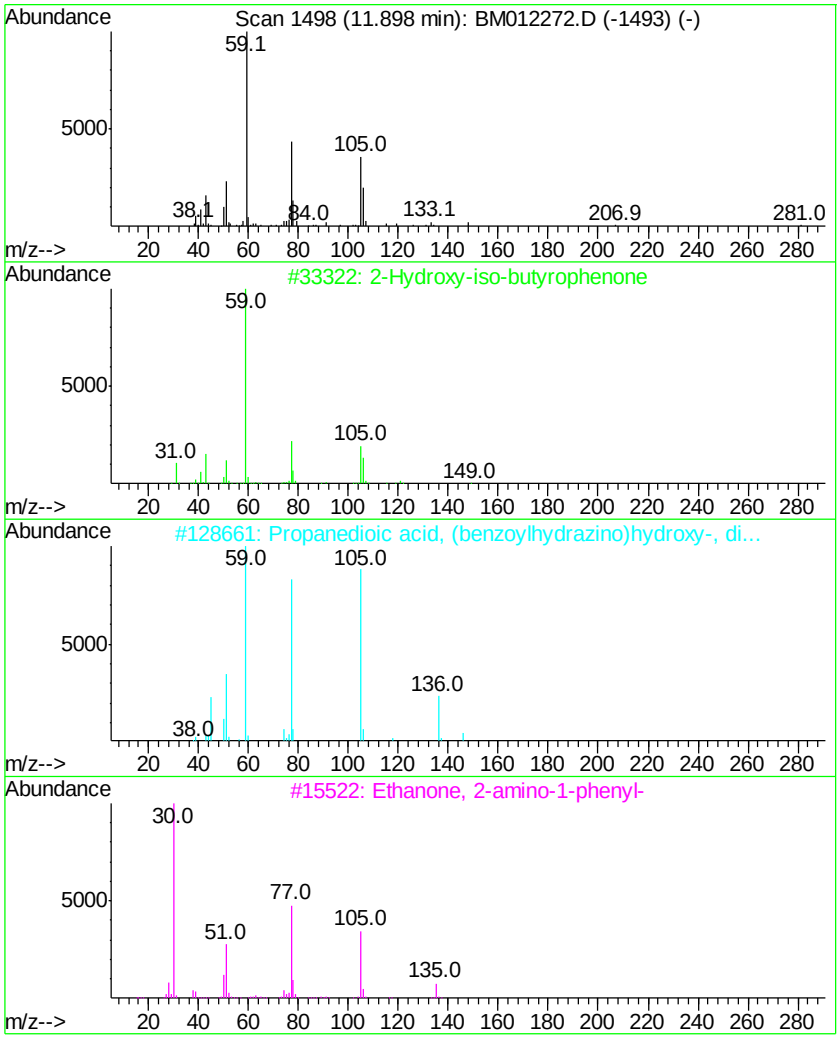
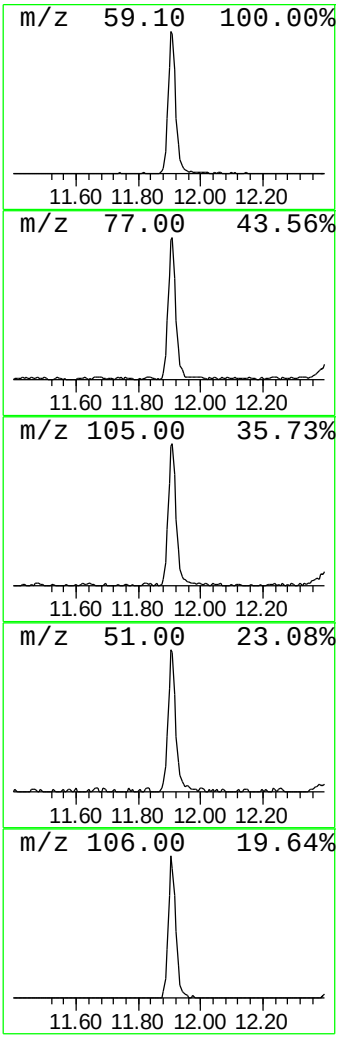
****

Peak Number 2 unknown-01 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.90	5.53 ng/ul	433897	Naphthalene-d8	10.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hydroxy-iso-butyrophenone	164	C10H12O2	007473-98-5	43
2	Propanedioic acid, (benzoylhydra...	282	C12H14N2O6	1000142-99-9	38
3	Ethanone, 2-amino-1-phenyl-	135	C8H9NO	000613-89-8	27
4	Propionic acid, 2-isopropoxy-, m...	146	C7H14O3	1000151-15-1	12
5	Guanidine	59	CH5N3	000113-00-8	9





Library Search Compound Report

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Instrument : BNA_M
ClientSampleId : C0B76

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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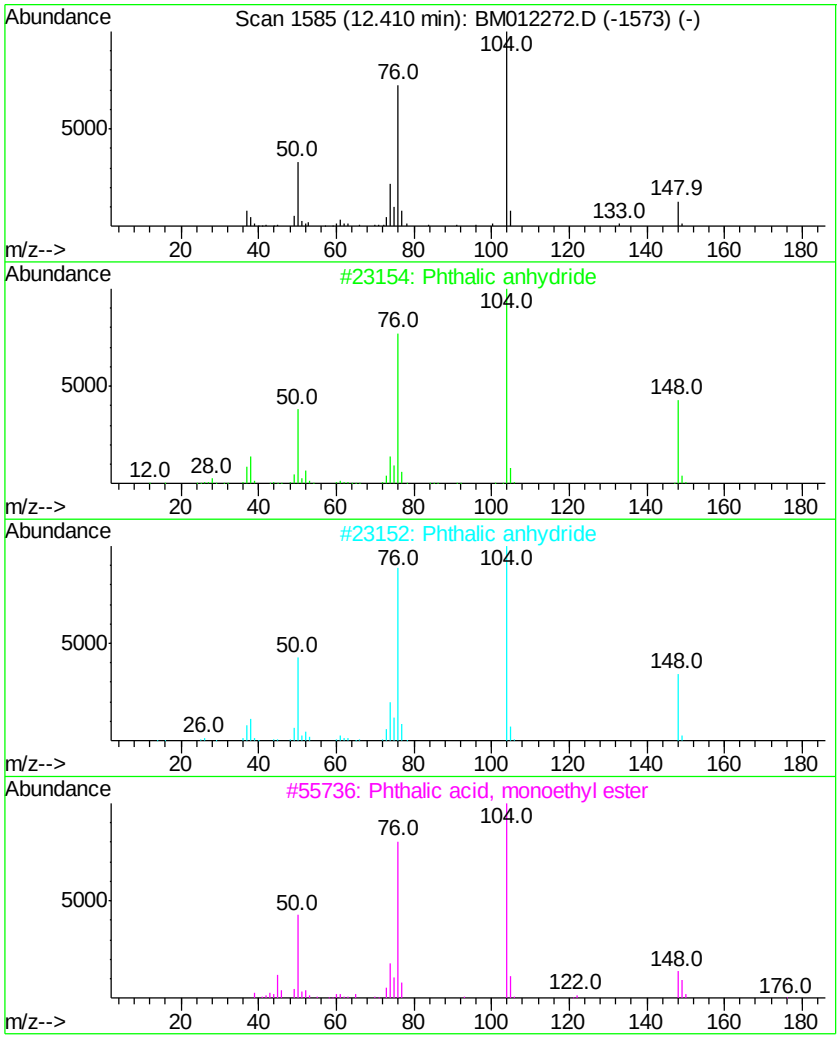
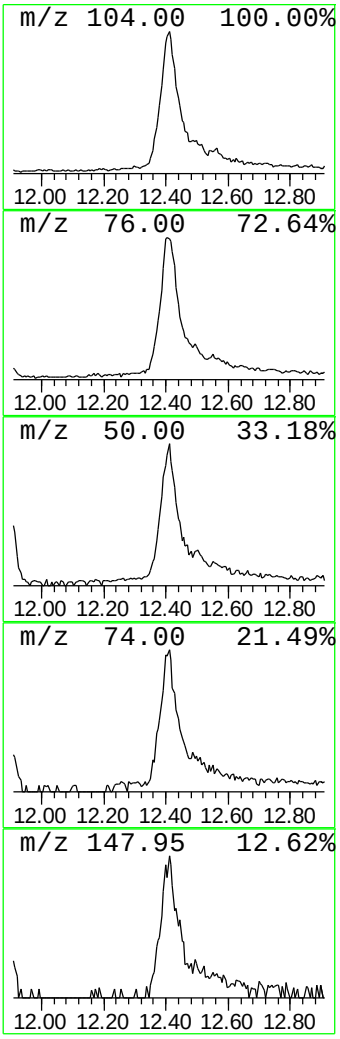
****

Peak Number 3 Phthalic anhydride Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.41	6.25 ng/ul	490737	Naphthalene-d8	10.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phthalic anhydride	148	C8H4O3	000085-44-9	91
2	Phthalic anhydride	148	C8H4O3	000085-44-9	90
3	Phthalic acid, monoethyl ester	194	C10H10O4	002306-33-4	83
4	1,2-Benzenedicarboxylic acid	166	C8H6O4	000088-99-3	78
5	Phthalic anhydride	148	C8H4O3	000085-44-9	76





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ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0B76

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

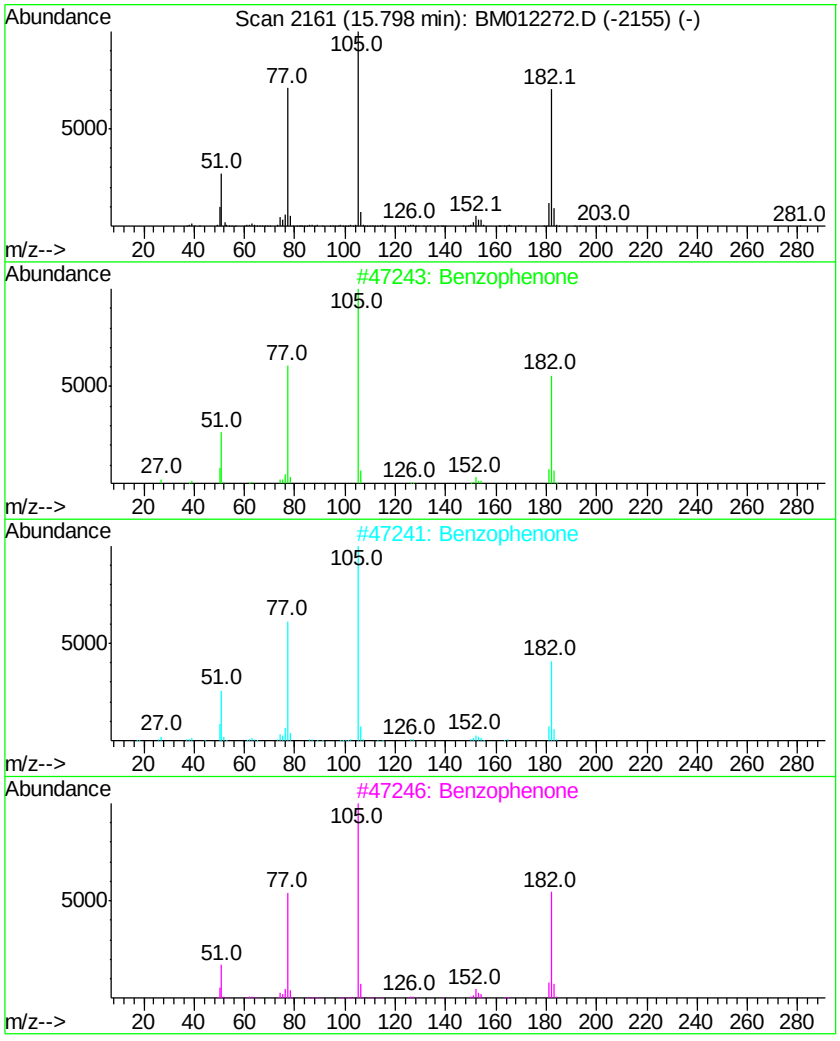
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

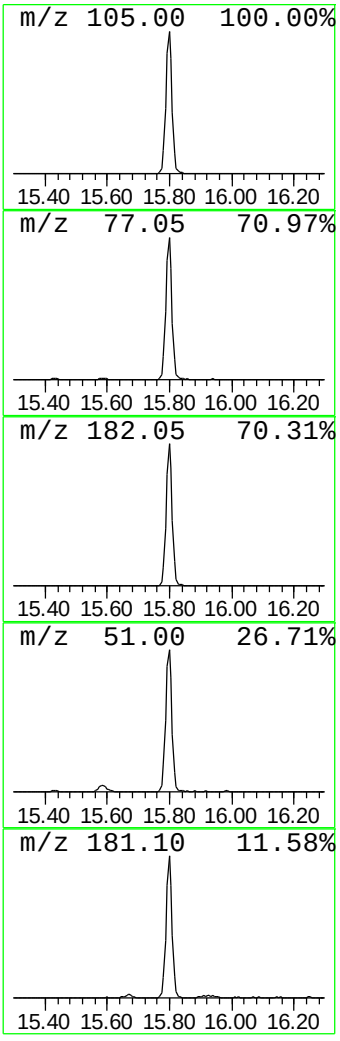
****

Peak Number 4 Benzophenone Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.80	21.64 ng/ul	2461900	Acenaphthene-d10	14.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	Benzophenone	182	C13H10O	000119-61-9	95
3	Benzophenone	182	C13H10O	000119-61-9	95
4	Benzophenone	182	C13H10O	000119-61-9	87
5	N-Methoxy-N-methylbenzamide	165	C9H11NO2	006919-61-5	49





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Instrument : BNA_M
ClientSampleId : C0B76

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

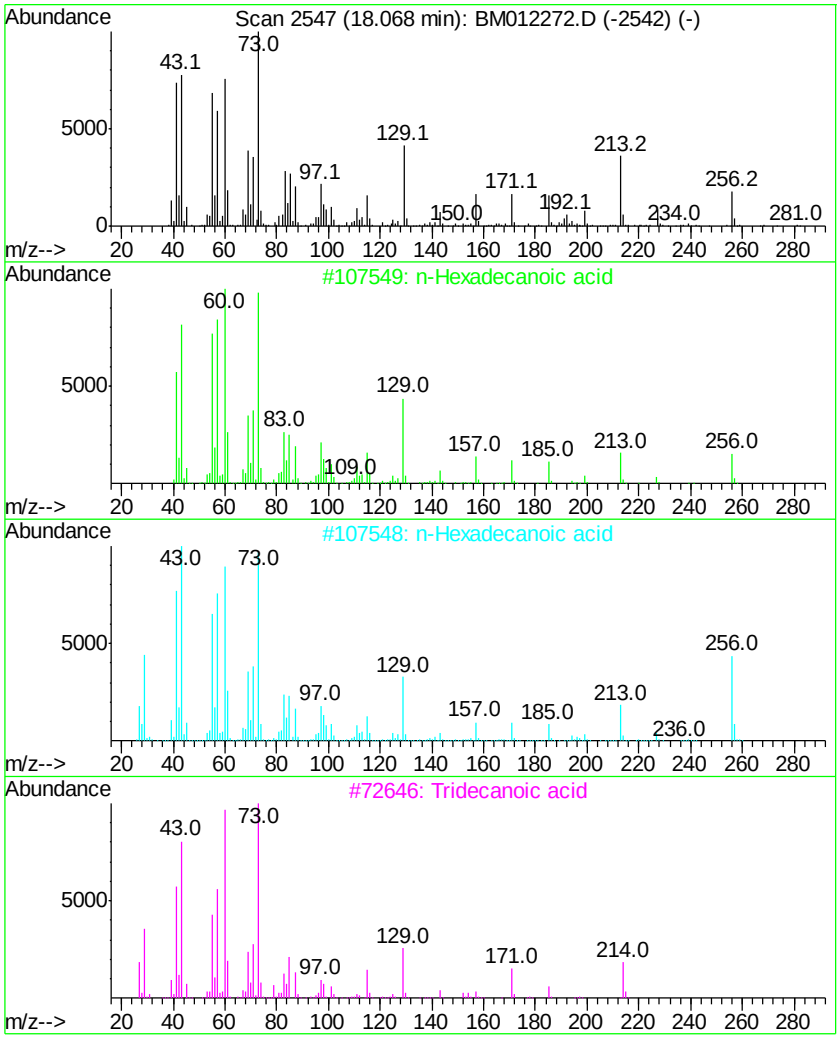
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

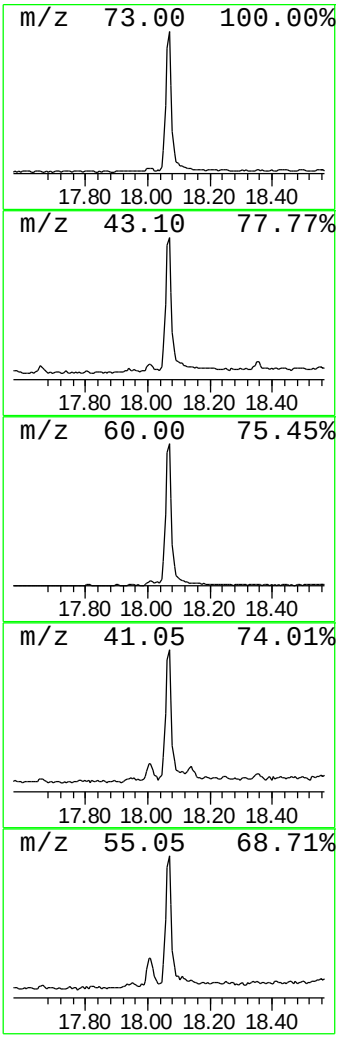
****

Peak Number 5 n-Hexadecanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.07	9.18 ng/ul	1322140	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	97
3	Tridecanoic acid	214	C13H26O2	000638-53-9	90
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	90
5	Pentadecanoic acid	242	C15H30O2	001002-84-2	81





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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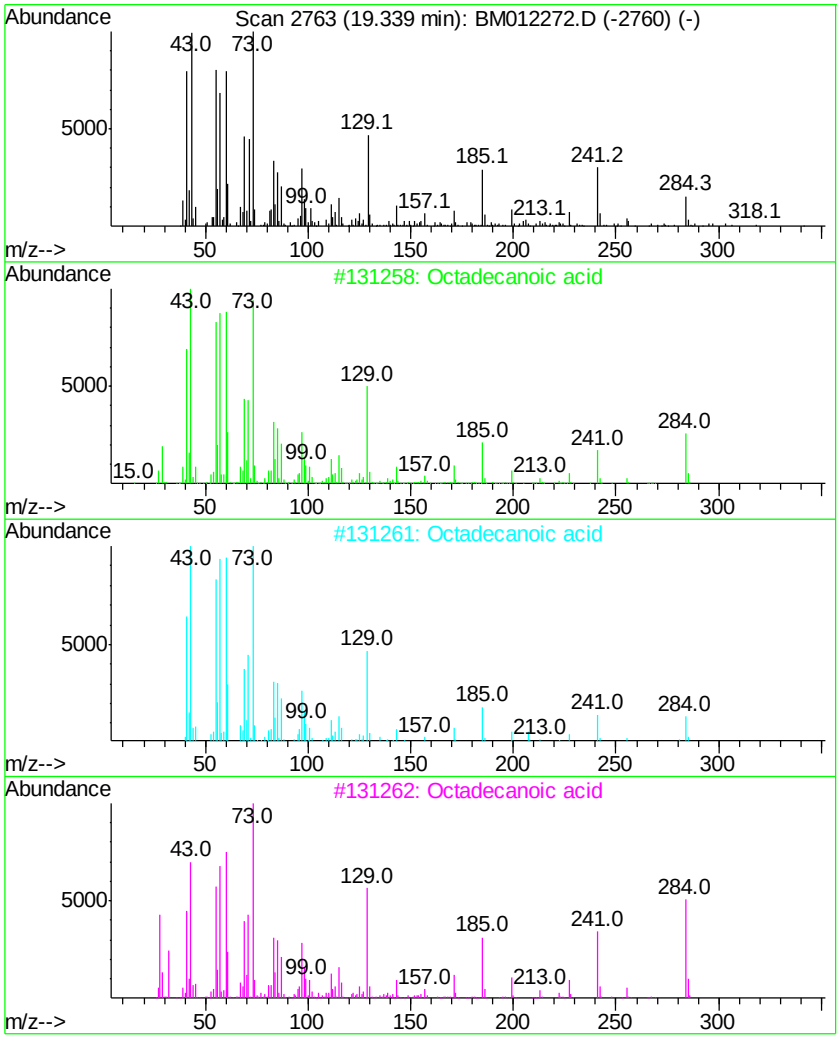
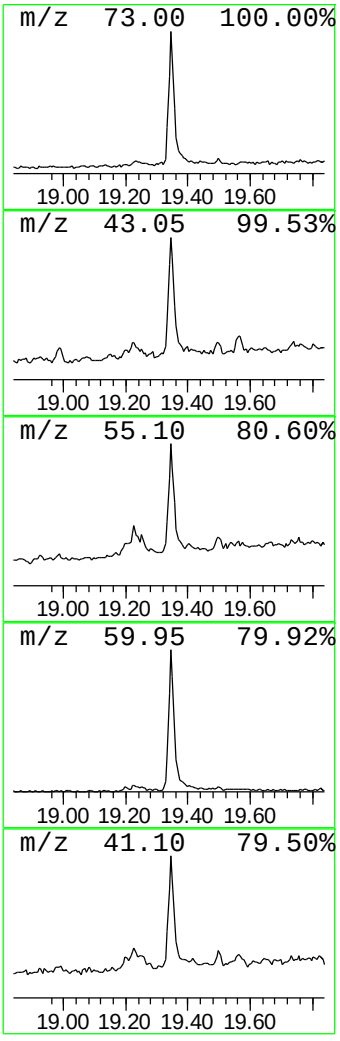
Peak Number 6 Octadecanoic acid Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.34	4.54 ng/ul	812659	Chrysene-d12	21.37

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	99
3	Octadecanoic acid	284	C18H36O2	000057-11-4	99
4	Octadecanoic acid	284	C18H36O2	000057-11-4	98
5	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	94





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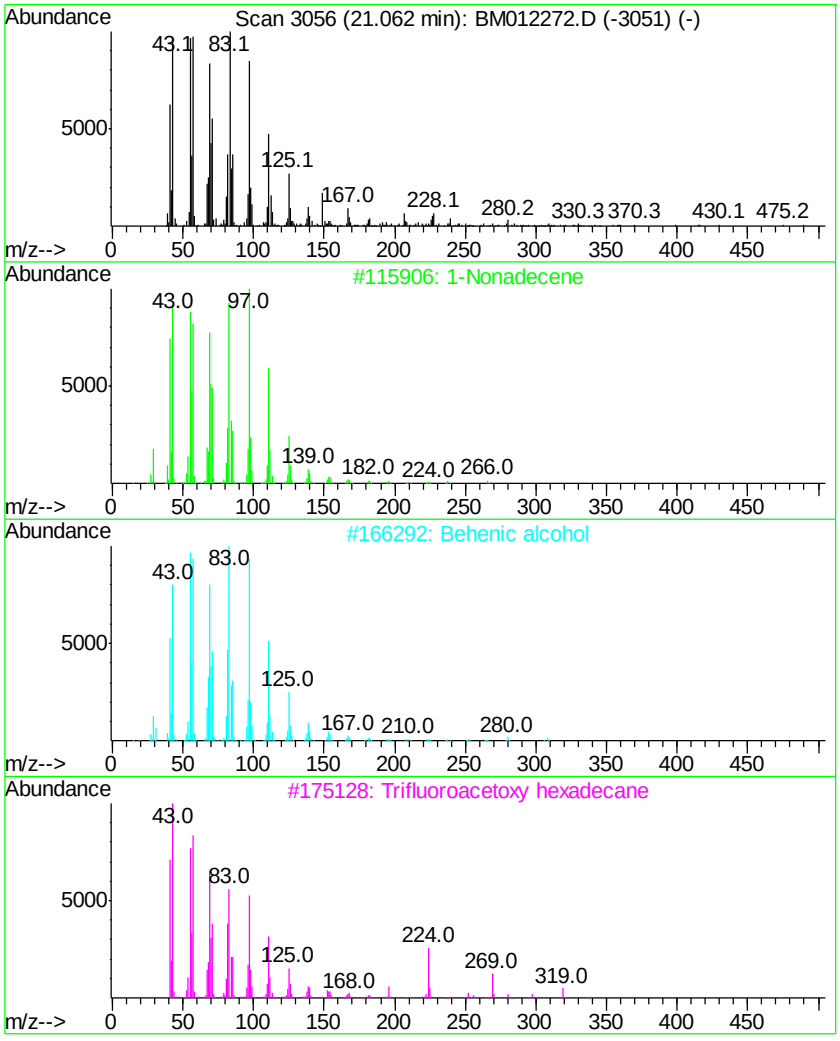
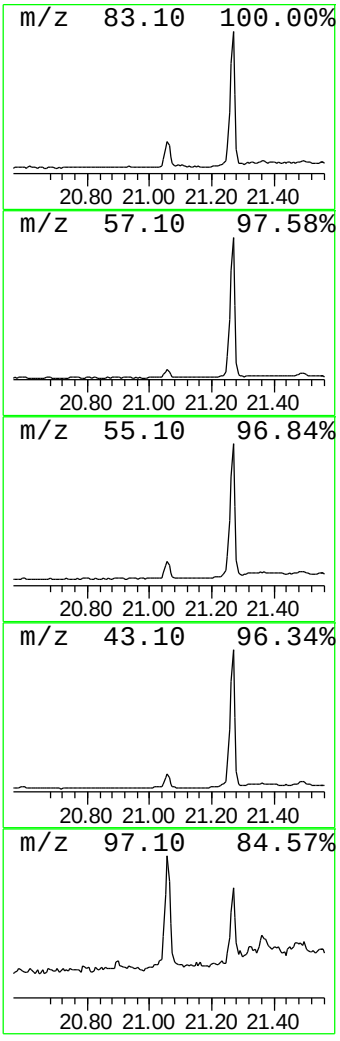
Peak Number 7 (DEL) Alkane: Cyclic21.06 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.06	5.32 ng/ul	952022	Chrysene-d12	21.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Nonadecene	266	C19H38	018435-45-5	97
2	Behenic alcohol	326	C22H46O	000661-19-8	93
3	Trifluoroacetoxy hexadecane	338	C18H33F3O2	006222-03-3	93
4	1-Heneicosanol	312	C21H44O	015594-90-8	93
5	Heptafluorobutyric acid, pentade...	424	C19H31F7O2	959261-23-5	93





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Quant Title : SVOA CALIBRATION

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

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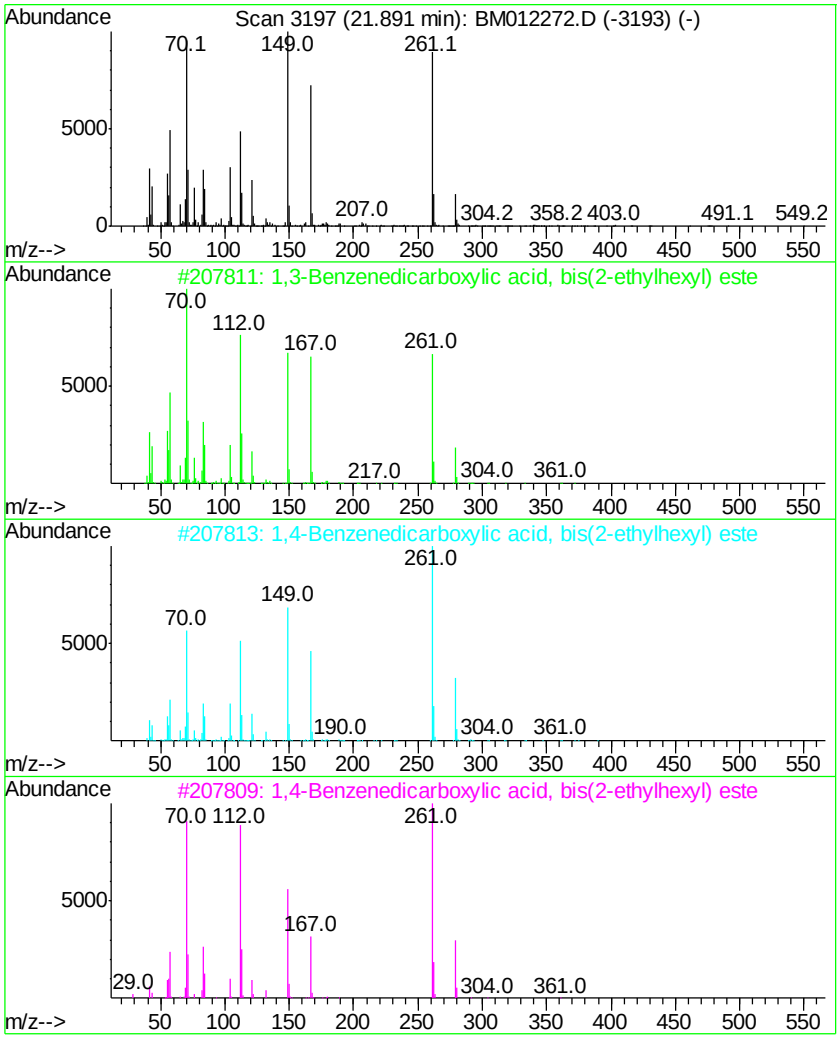
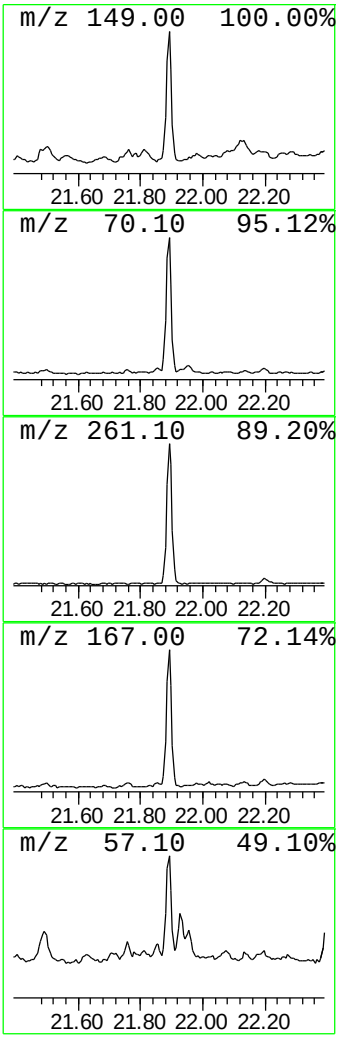
Peak Number 8 1,3-Benzenedicarboxylic aci... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.89	9.62 ng/ul	1722020	Chrysene-d12	21.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Benzenedicarboxylic acid, bi...	390	C24H38O4	000137-89-3	59
2	1,4-Benzenedicarboxylic acid, bi...	390	C24H38O4	006422-86-2	43
3	1,4-Benzenedicarboxylic acid, bi...	390	C24H38O4	006422-86-2	35
4	Terephthalic acid, 2-methylbutyl...	348	C21H32O4	1000323-90-4	35
5	Diisooctyl phthalate	390	C24H38O4	000131-20-4	25





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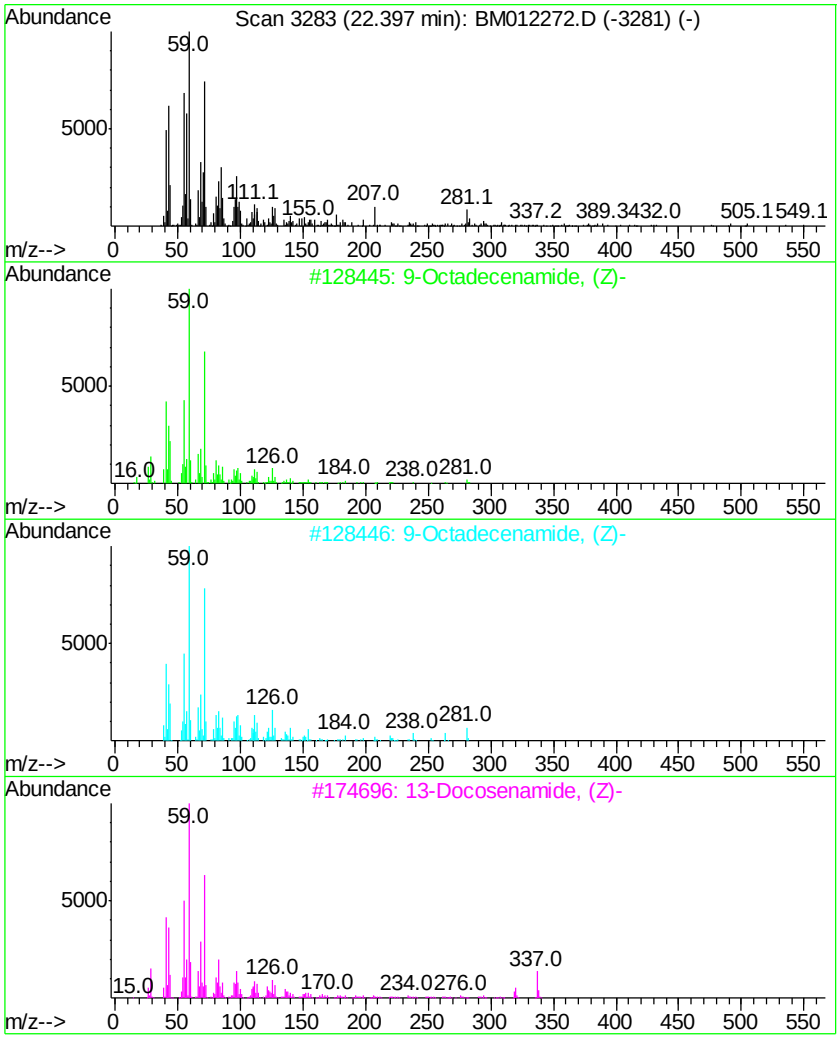
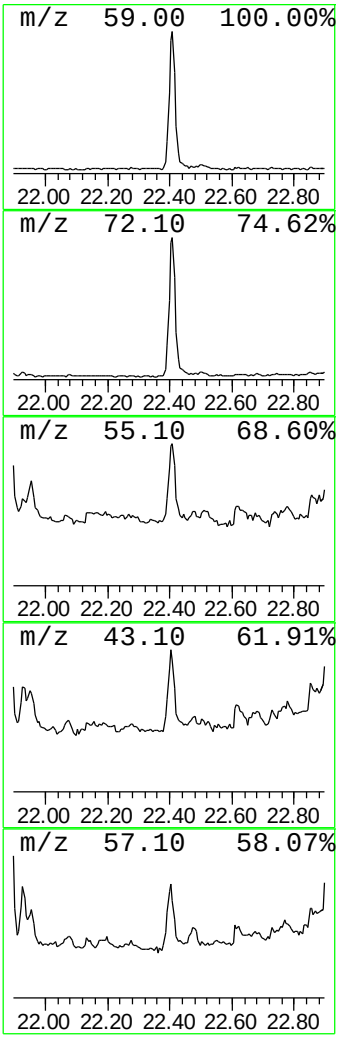
Peak Number 9 9-Octadecenamide, (Z)- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.40	5.42 ng/ul	970823	Chrysene-d12	21.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Octadecenamide, (Z)-	281	C18H35NO	000301-02-0	93
2	9-Octadecenamide, (Z)-	281	C18H35NO	000301-02-0	90
3	13-Docosenamide, (Z)-	337	C22H43NO	000112-84-5	87
4	9-Octadecenamide, (Z)-	281	C18H35NO	000301-02-0	72
5	9-Octadecenamide, (Z)-	281	C18H35NO	000301-02-0	62





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Data File : BM012272.D
Acq On : 18 Oct 2017 05:22
Operator : SJ/JU
Sample : I5664-13
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0B76

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

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

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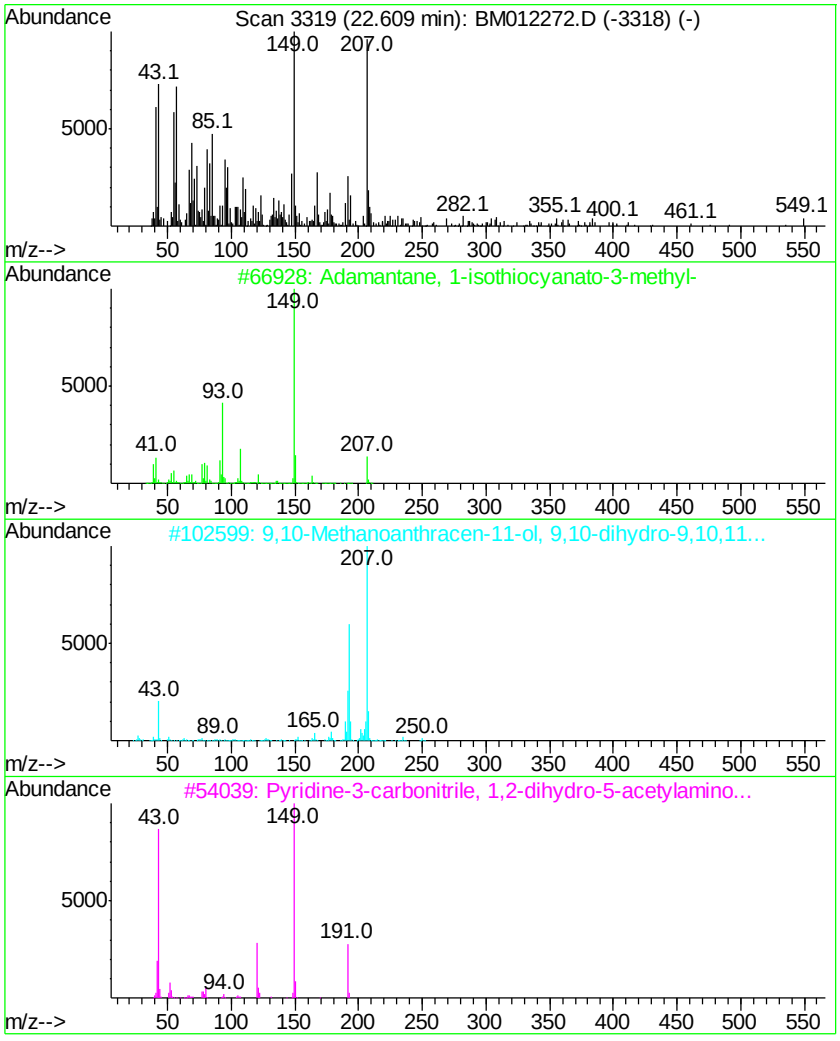
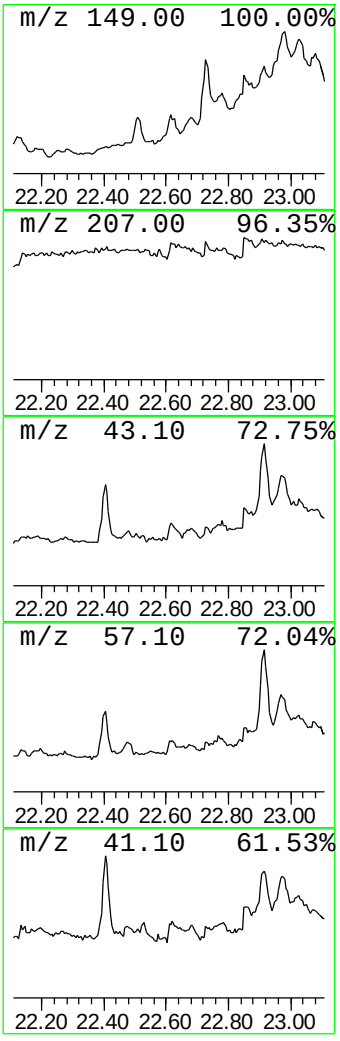
Peak Number 10 Adamantane, 1-isothiocyanat... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.61	3.53 ng/ul	717106	Perylene-d12	23.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Adamantane, 1-isothiocyanato-3-m...	207	C12H17NS	136860-48-5	64
2	9,10-Methanoanthracen-11-ol, 9,1...	250	C18H18O	126615-74-5	42
3	Pyridine-3-carbonitrile, 1,2-dih...	191	C9H9N3O2	220098-92-0	25
4	Phthalic acid, isohexyl 2-methyl...	334	C20H30O4	1000356-91-0	25
5	Benzo[h]quinoline, 2,4-dimethyl-	207	C15H13N	000605-67-4	25





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Acq On : 18 Oct 2017 05:22
Operator : SJ/JU
Sample : I5664-13
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0B76

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

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

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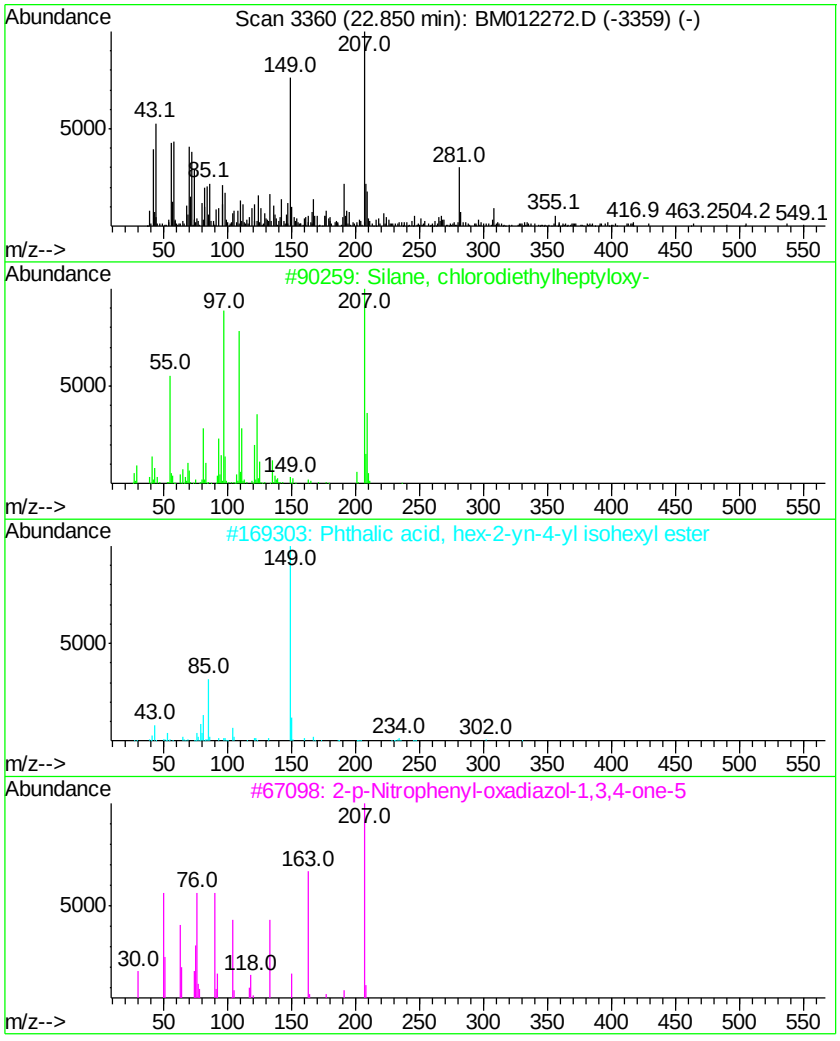
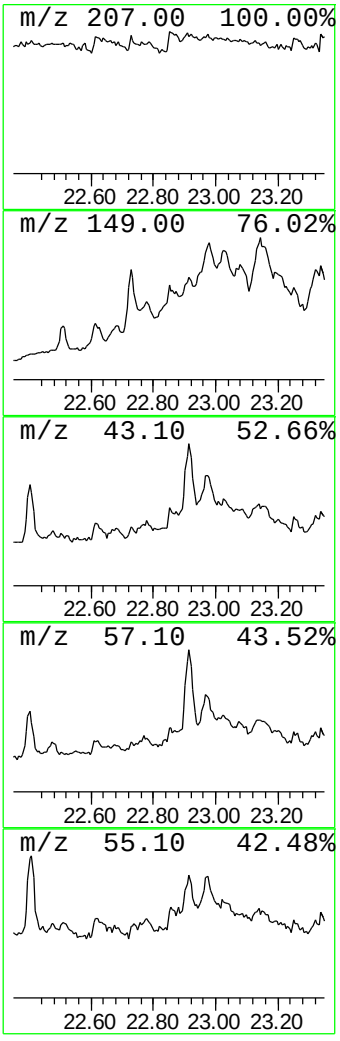
Peak Number 11 unknown-02 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.85	3.53 ng/ul	715958	Perylene-d12	23.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Silane, chlorodiethylheptyloxy-	236	C11H25ClOSi	1000363-96-1	25
2	Phthalic acid, hex-2-yn-4-yl iso...	330	C20H26O4	1000315-20-0	25
3	2-p-Nitrophenyl-oxadiazol-1,3,4-...	207	C8H5N3O4	1000147-64-6	25
4	Acetamide, N-[4-(trimethylsilyl)...	207	C11H17NOSi	017983-71-0	25
5	Pyridine-3-carbonitrile, 1,2-dih...	191	C9H9N3O2	220098-92-0	25





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM101717\
Data File : BM012272.D
Acq On : 18 Oct 2017 05:22
Operator : SJ/JU
Sample : I5664-13
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0B76

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

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

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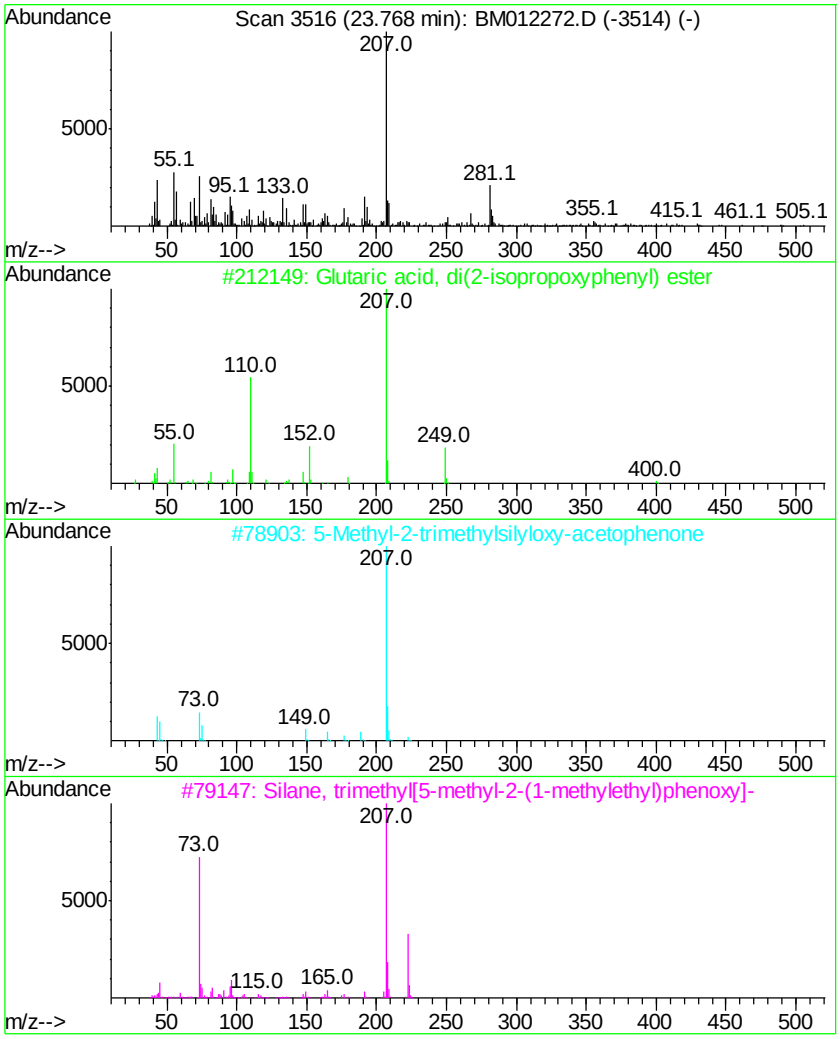
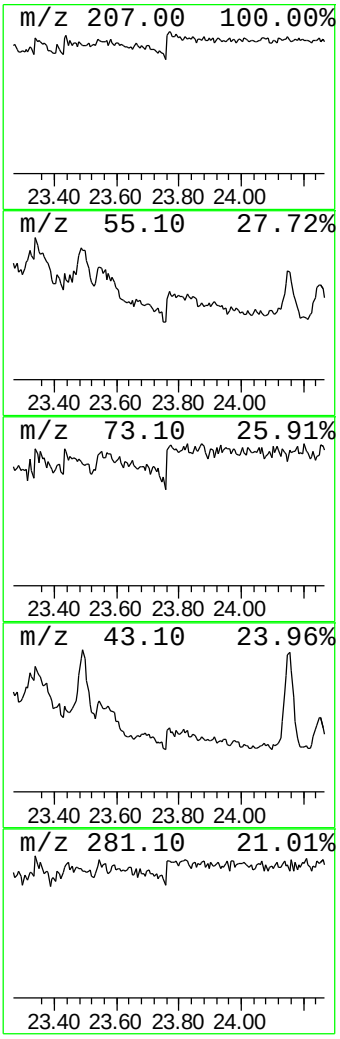
Peak Number 12 Glutaric acid, di(2-isoprop... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.77	2.98 ng/ul	605738	Perylene-d12	23.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Glutaric acid, di(2-isopropoxyph...	400	C23H28O6	1000358-58-3	78
2	5-Methyl-2-trimethylsilyloxy-ace...	222	C12H18O2Si	097389-69-0	52
3	Silane, trimethyl[5-methyl-2-(1-...	222	C13H22OSi	055012-80-1	50
4	Thieno[2,3-c]furan-3-carbonitril...	222	C11H14N2OS	447412-24-0	47
5	1,2,4-Triazol-3-amine, 5-(1,3,5-...	207	C8H13N7	1000264-16-7	47





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101717\
Data File : BM012272.D
Acq On : 18 Oct 2017 05:22
Operator : SJ/JU
Sample : I5664-13
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0B76

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.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
Benzene, 2-ethyl-...	8.88	2.8	ng/ul	195227	1	7.79	1401430	20.0
unknown-01	11.90	5.5	ng/ul	433897	2	10.59	1569660	20.0
Phthalic anhydride	12.41	6.3	ng/ul	490737	2	10.59	1569660	20.0
Benzophenone	15.80	21.6	ng/ul	2461900	3	14.44	2275090	20.0
n-Hexadecanoic acid	18.07	9.2	ng/ul	1322140	4	17.19	2881910	20.0
Octadecanoic acid	19.34	4.5	ng/ul	812659	5	21.37	3580610	20.0
(DEL) Alkane: Cyc...	21.06	5.3	ng/ul	952022	5	21.37	3580610	20.0
1,3-Benzenedicarb...	21.89	9.6	ng/ul	1722020	5	21.37	3580610	20.0
9-Octadecenamide,...	22.40	5.4	ng/ul	970823	5	21.37	3580610	20.0
Adamantane, 1-iso...	22.61	3.5	ng/ul	717106	6	23.67	4059610	20.0
unknown-02	22.85	3.5	ng/ul	715958	6	23.67	4059610	20.0
Glutaric acid, di...	23.77	3.0	ng/ul	605738	6	23.67	4059610	20.0