LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM040616\
Data File : BM004904.D
Acq On : 06 Apr 2016 14:36
Operator : UM/SJ
Sample : H1940-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9SE7

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\SOM02.2-EPA-BM040116.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	2.846	22	27	53	rVB	3715726	7266311	100.00%	15.562%
2	5.063	397	404	411	rBV	117822	246694	3.40%	0.528%
3	6.987	725	731	733	rBV	218140	350450	4.82%	0.751%
4	7.152	753	759	768	rBV	165015	250019	3.44%	0.535%
5	7.352	787	793	803	rVB	207677	322300	4.44%	0.690%
6	7.822	866	873	881	rBB	146891	232313	3.20%	0.498%
7	8.257	941	947	957	rBB	265421	410694	5.65%	0.880%
8	8.516	984	991	1004	rBB	271861	435721	6.00%	0.933%
9	8.975	1063	1069	1077	rBV	189817	304982	4.20%	0.653%
10	9.693	1185	1191	1199	rBV	152107	249345	3.43%	0.534%
11	10.228	1276	1282	1298	rVB	265010	442281	6.09%	0.947%
12	10.610	1339	1347	1356	rBV	226856	374214	5.15%	0.801%
13	10.751	1366	1371	1380	rBV	47580	81031	1.12%	0.174%
14	12.128	1599	1605	1614	rBV	335270	528079	7.27%	1.131%
15	12.381	1642	1648	1663	rBV	58196	112555	1.55%	0.241%
16	13.863	1894	1900	1905	rBV	529541	726948	10.00%	1.557%
17	14.151	1942	1949	1952	rBV	559439	945327	13.01%	2.025%
18	14.457	1995	2001	2007	rBV2	353435	542932	7.47%	1.163%
19	14.522	2007	2012	2018	rVB	331824	500892	6.89%	1.073%
20	14.663	2030	2036	2048	rBV	231000	371323	5.11%	0.795%
21	14.851	2058	2068	2081	rBV2	489578	1000444	13.77%	2.143%
22	14.957	2081	2086	2093	rVB	406890	555927	7.65%	1.191%
23	15.275	2134	2140	2146	rBV	491142	650649	8.95%	1.394%
24	15.451	2163	2170	2175	rBV	763932	1121425	15.43%	2.402%
25	15.504	2175	2179	2185	rVV	370803	508286	7.00%	1.089%
26	15.569	2185	2190	2197	rVB	264190	352633	4.85%	0.755%
27	15.710	2207	2214	2220	rBV	743157	1046048	14.40%	2.240%
28	16.480	2339	2345	2351	rBV	717083	953128	13.12%	2.041%
29	16.551	2351	2357	2365	rVB	1343703	1769195	24.35%	3.789%
30	16.663	2371	2376	2382	rBV	457947	611688	8.42%	1.310%
31	16.857	2403	2409	2410	rBV	722712	1038144	14.29%	2.223%
32	16.874	2410	2412	2418	rVB	1019533	1304592	17.95%	2.794%
33	17.204	2462	2468	2475	rVB	519303	744272	10.24%	1.594%
34	17.298	2478	2484	2488	rVV	892349	1356638	18.67%	2.906%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM040616\
Data File : BM004904.D
Acq On : 06 Apr 2016 14:36
Operator : UM/SJ
Sample : H1940-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9SE7

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\SOM02.2-EPA-BM040116.M
Title : SVOA CALIBRATION

35	17.333	2488	2490	2502	rVB	324921	385442	5.30%	0.826%
36	18.163	2626	2631	2635	rBV	528147	653627	9.00%	1.400%
37	18.210	2635	2639	2644	rVB	970671	1251926	17.23%	2.681%
38	19.592	2868	2874	2884	rBV2	1135897	1627092	22.39%	3.485%
39	20.521	3027	3032	3036	rBV	855133	948885	13.06%	2.032%
40	20.680	3054	3059	3064	rVB	1388950	1638789	22.55%	3.510%
41	21.386	3174	3179	3187	rBV	802076	1012530	13.93%	2.169%
42	22.186	3310	3315	3326	rBV	804467	1014518	13.96%	2.173%
43	22.986	3444	3451	3455	rBV	859303	1529362	21.05%	3.275%
44	23.033	3455	3459	3472	rVB	864849	1435782	19.76%	3.075%
45	23.533	3537	3544	3549	rBV2	828157	1763316	24.27%	3.777%
46	23.580	3549	3552	3562	rVB	654298	1141369	15.71%	2.445%
47	23.680	3562	3569	3577	rBV2	503122	962667	13.25%	2.062%
48	26.009	3952	3965	3981	rVB2	770863	2278933	31.36%	4.881%
49	26.721	4073	4086	4098	rBV	425659	1339514	18.43%	2.869%

Sum of corrected areas: 46691232

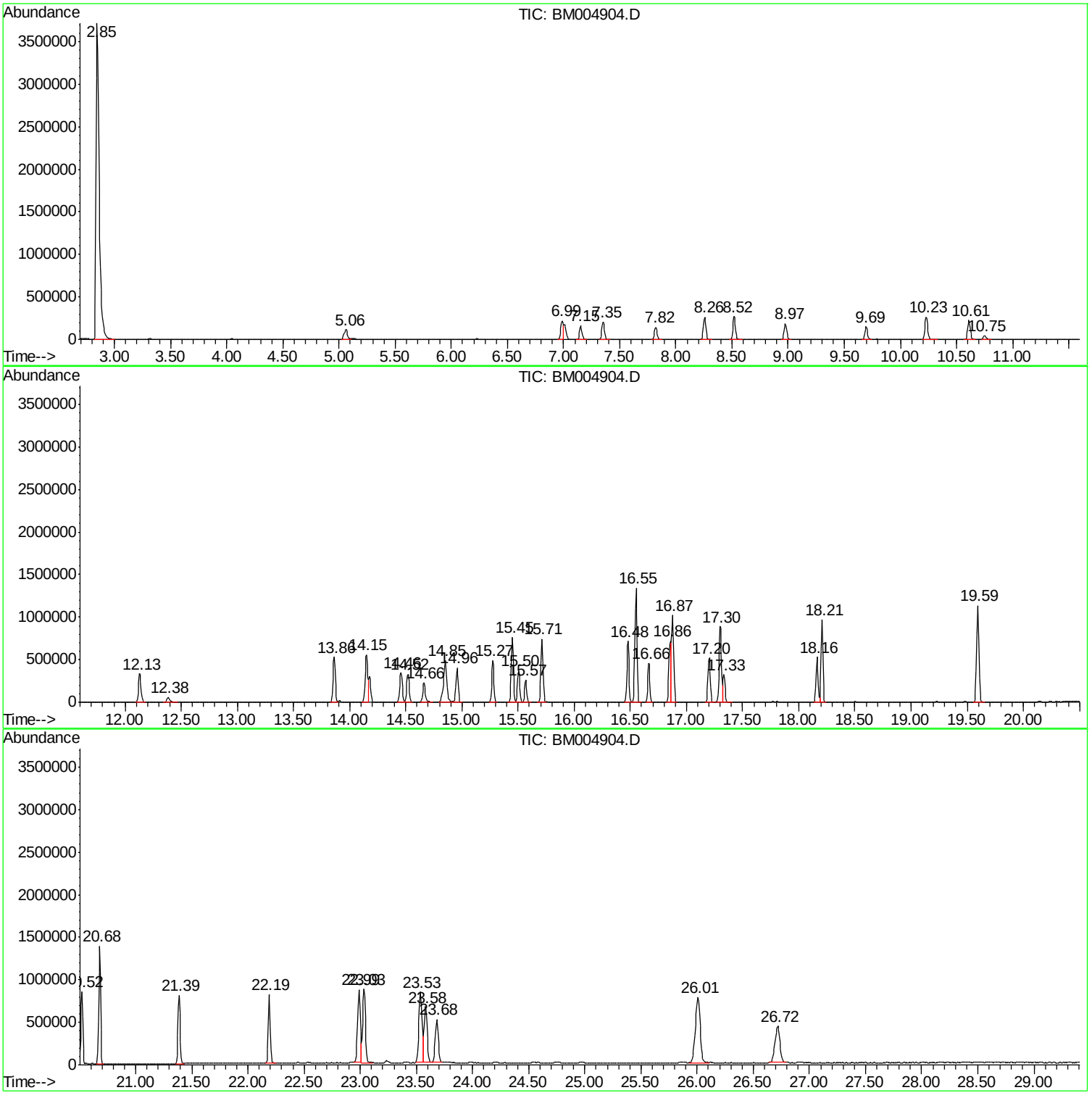
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA M\DATA\BM040616\
Data File : BM004904.D
Acq On : 06 Apr 2016 14:36
Operator : UM/SJ
Sample : H1940-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9SE7

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM040116.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM040616\
Data File : BM004904.D
Acq On : 06 Apr 2016 14:36
Operator : UM/SJ
Sample : H1940-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9SE7

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM040116.M
Quant Title : SVOA CALIBRATION

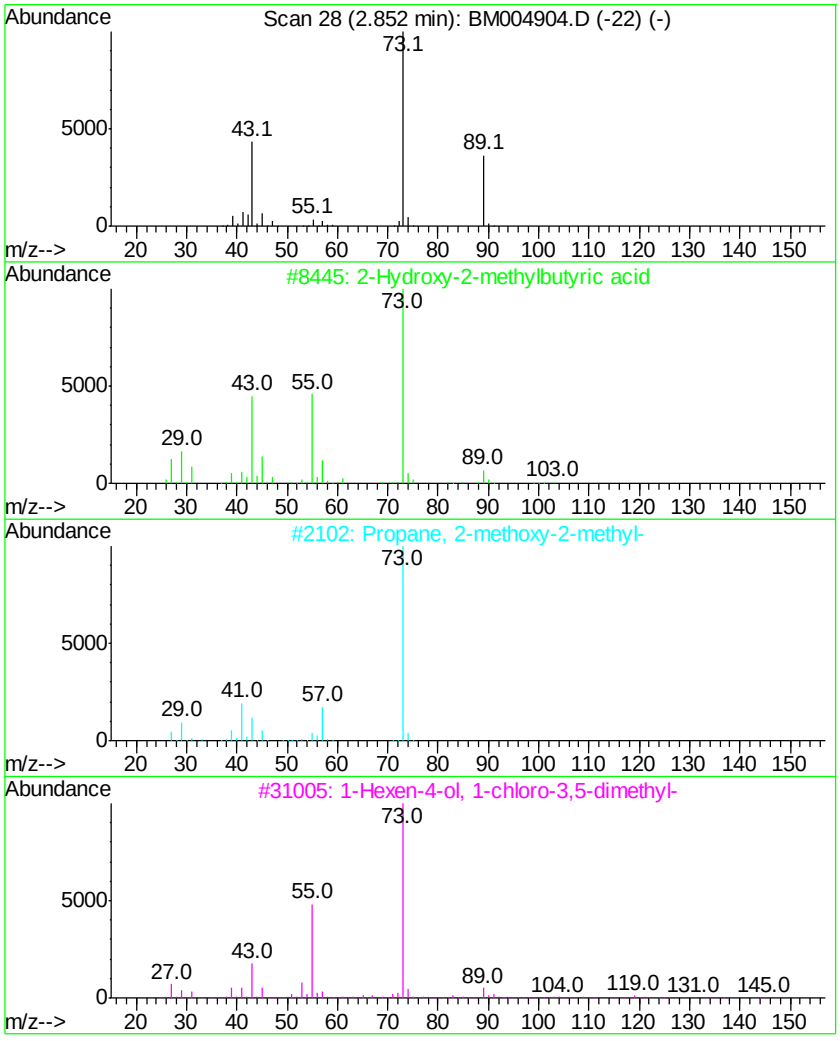
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

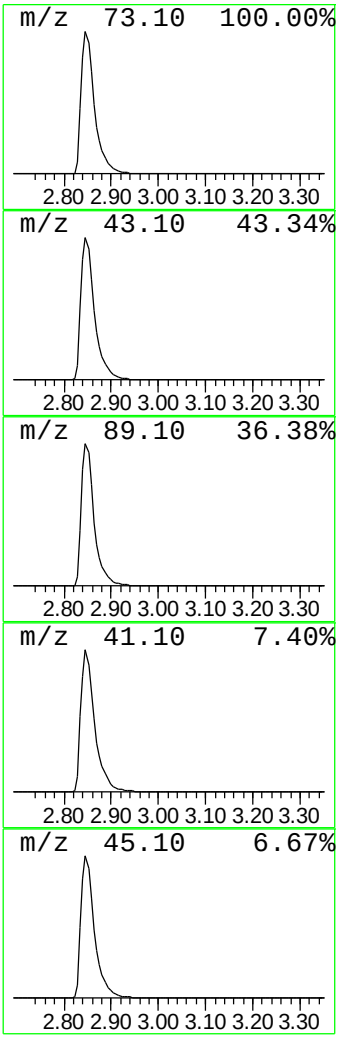
****

Peak Number 1 unknown-01 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.85	625.56 ng/ul	7266310	1,4-Dichlorobenzene-d4	7.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hydroxy-2-methylbutyric acid	118	C5H10O3	003739-30-8	33
2	Propane, 2-methoxy-2-methyl-	88	C5H12O	001634-04-4	9
3	1-Hexen-4-ol, 1-chloro-3,5-dimet...	162	C8H15ClO	100244-09-5	9
4	Propane, 2,2-dimethoxy-	104	C5H12O2	000077-76-9	9
5	Propane, 2-methoxy-2-methyl-	88	C5H12O	001634-04-4	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM040616\
Data File : BM004904.D
Acq On : 06 Apr 2016 14:36
Operator : UM/SJ
Sample : H1940-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9SE7

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM040116.M
Quant Title : SVOA CALIBRATION

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

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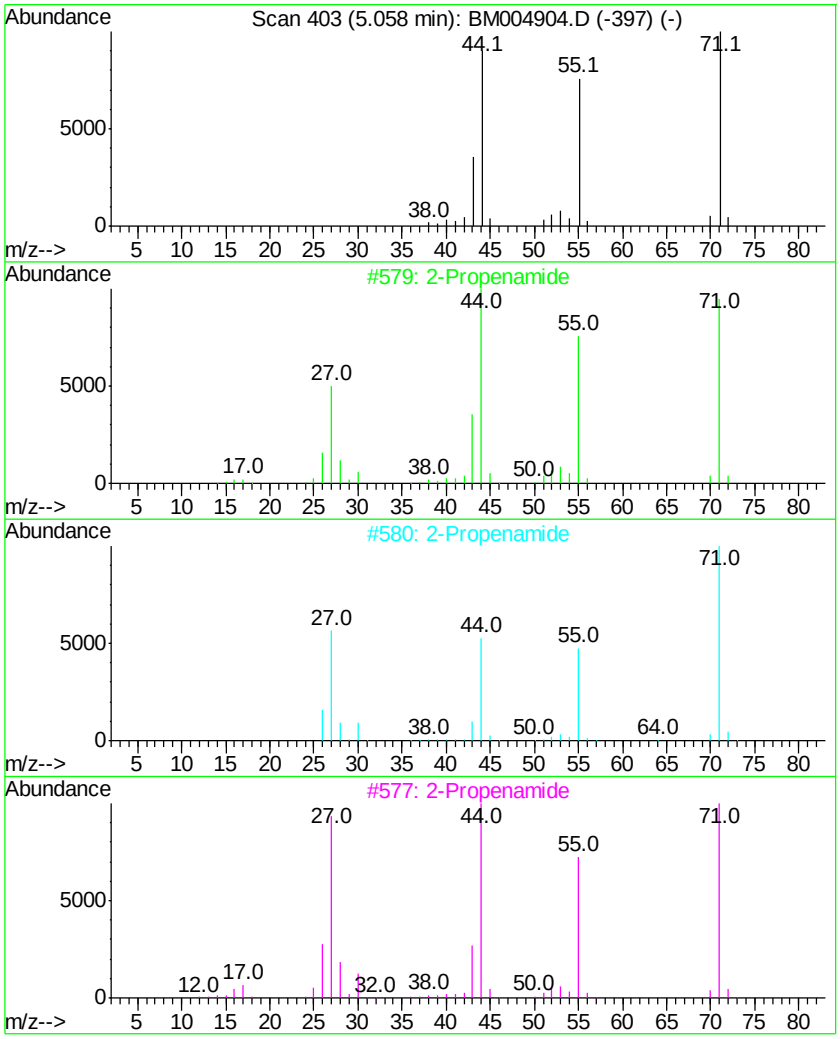
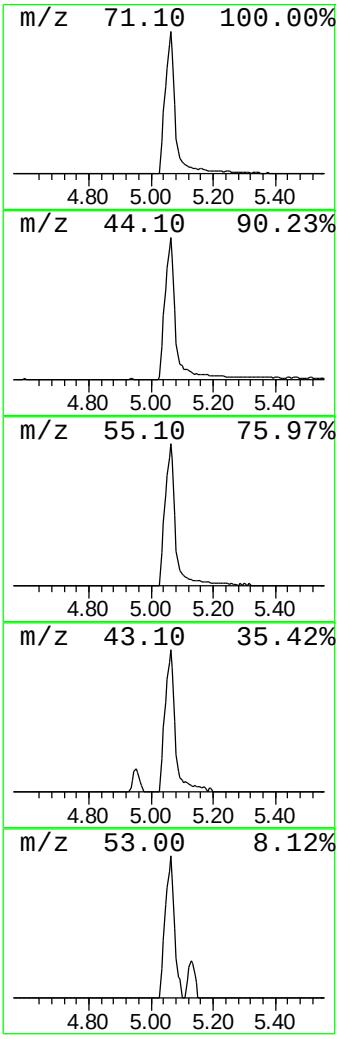
Peak Number 2 2-Propenamide Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.06	21.24 ng/ul	246694	1,4-Dichlorobenzene-d4	7.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propenamide	71	C3H5NO	000079-06-1	91
2	2-Propenamide	71	C3H5NO	000079-06-1	90
3	2-Propenamide	71	C3H5NO	000079-06-1	90
4	2-Propenamide	71	C3H5NO	000079-06-1	90
5	Butanoic acid, anhydride	158	C8H14O3	000106-31-0	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM040616\
Data File : BM004904.D
Acq On : 06 Apr 2016 14:36
Operator : UM/SJ
Sample : H1940-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9SE7

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM040116.M
Quant Title : SVOA CALIBRATION

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

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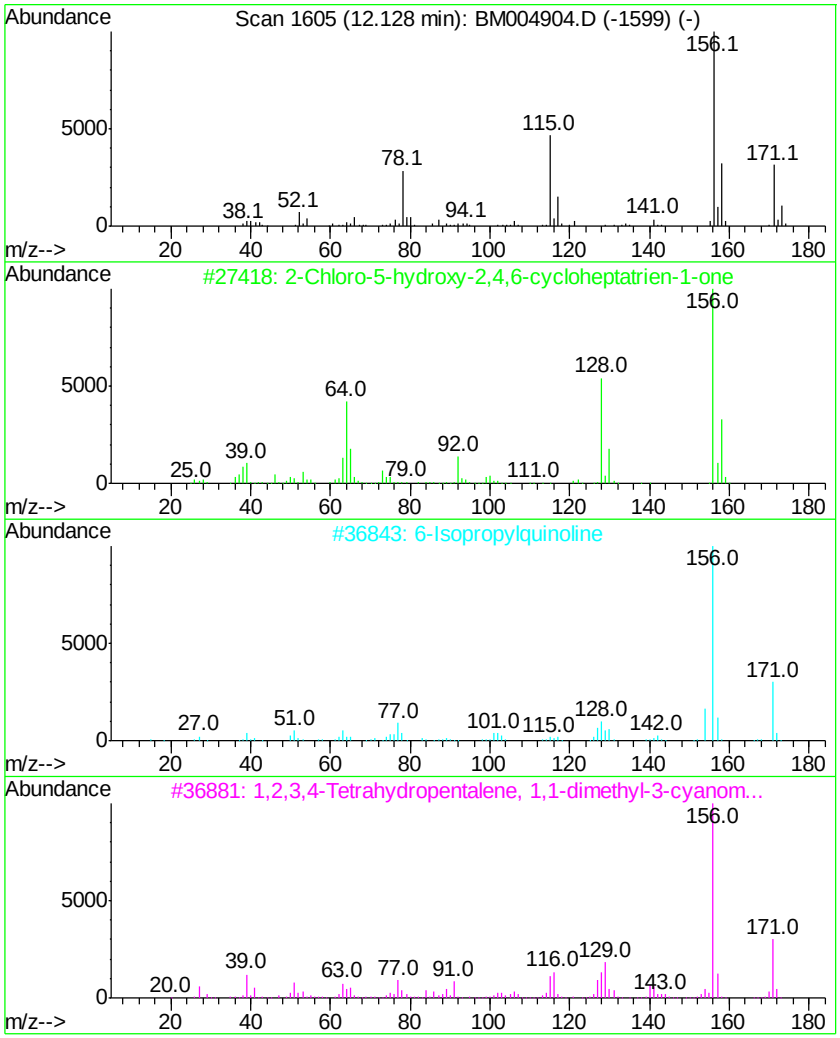
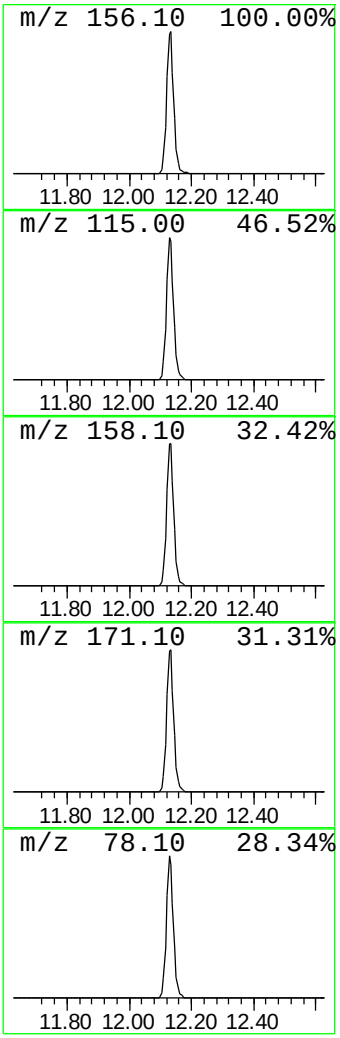
Peak Number 3 unknown-02 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.13	28.22 ng/ul	528079	Naphthalene-d8	10.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Chloro-5-hydroxy-2,4,6-cyclohe...	156	C7H5ClO2	007009-16-7	43
2	6-Isopropylquinoline	171	C12H13N	000135-79-5	38
3	1,2,3,4-Tetrahydropentalene, 1,1...	171	C12H13N	1000217-18-6	37
4	Chloroxylenol	156	C8H9ClO	000088-04-0	32
5	Benzene, 2,5-cyclohexadien-1-yl-	156	C12H12	004794-05-2	28





Data Path : Z:\HPCHEM1\BNA M\DATA\BM040616\
Data File : BM004904.D
Acq On : 06 Apr 2016 14:36
Operator : UM/SJ
Sample : H1940-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9SE7

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM040116.M
Quant Title : SVOA CALIBRATION

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

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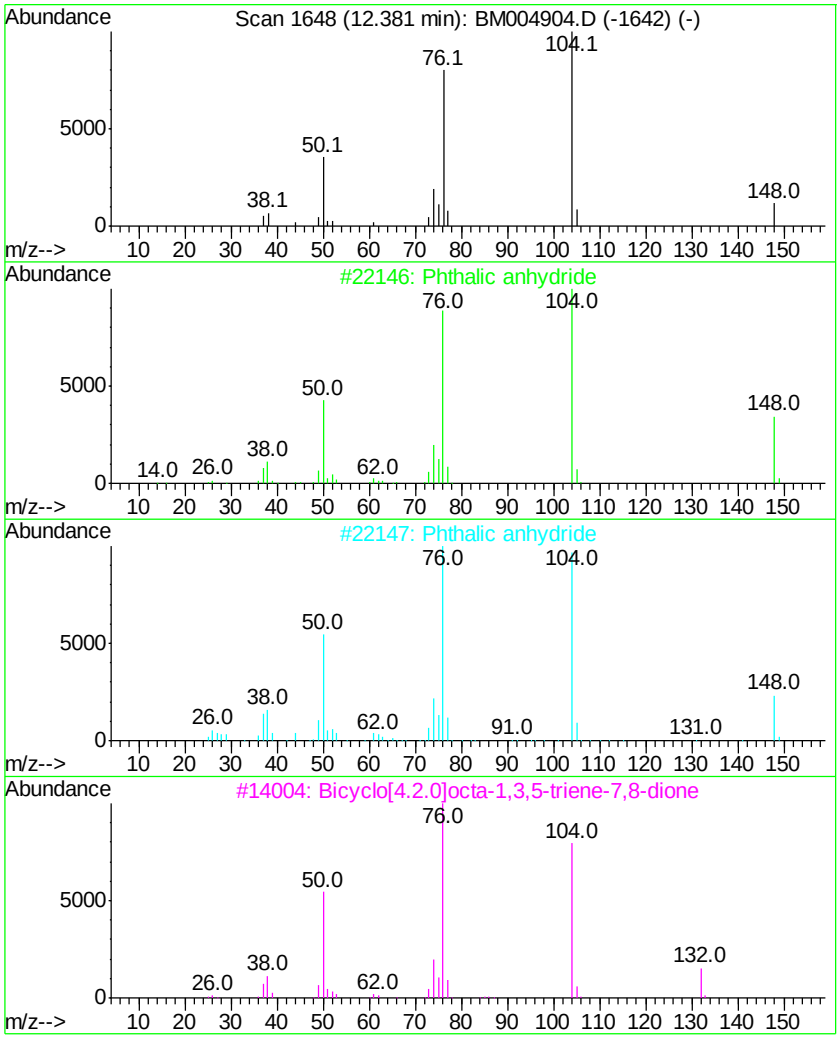
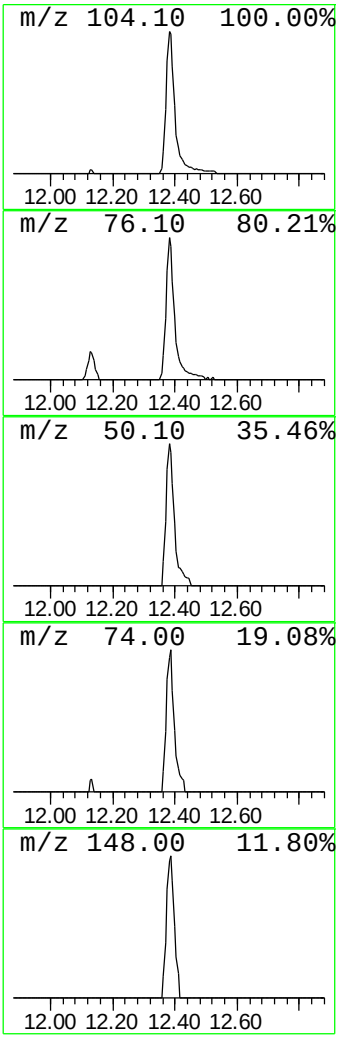
Peak Number 4 Phthalic anhydride Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.38	6.02 ng/ul	112555	Naphthalene-d8	10.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phthalic anhydride	148	C8H4O3	000085-44-9	94
2	Phthalic anhydride	148	C8H4O3	000085-44-9	91
3	Bicyclo[4.2.0]octa-1,3,5-triene-...	132	C8H4O2	006383-11-5	83
4	Phthalamic acid	165	C8H7NO3	000088-97-1	83
5	1,2-Benzenedicarboxylic acid	166	C8H6O4	000088-99-3	83





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM040616\
Data File : BM004904.D
Acq On : 06 Apr 2016 14:36
Operator : UM/SJ
Sample : H1940-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9SE7

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM040116.M
Quant Title : SVOA CALIBRATION

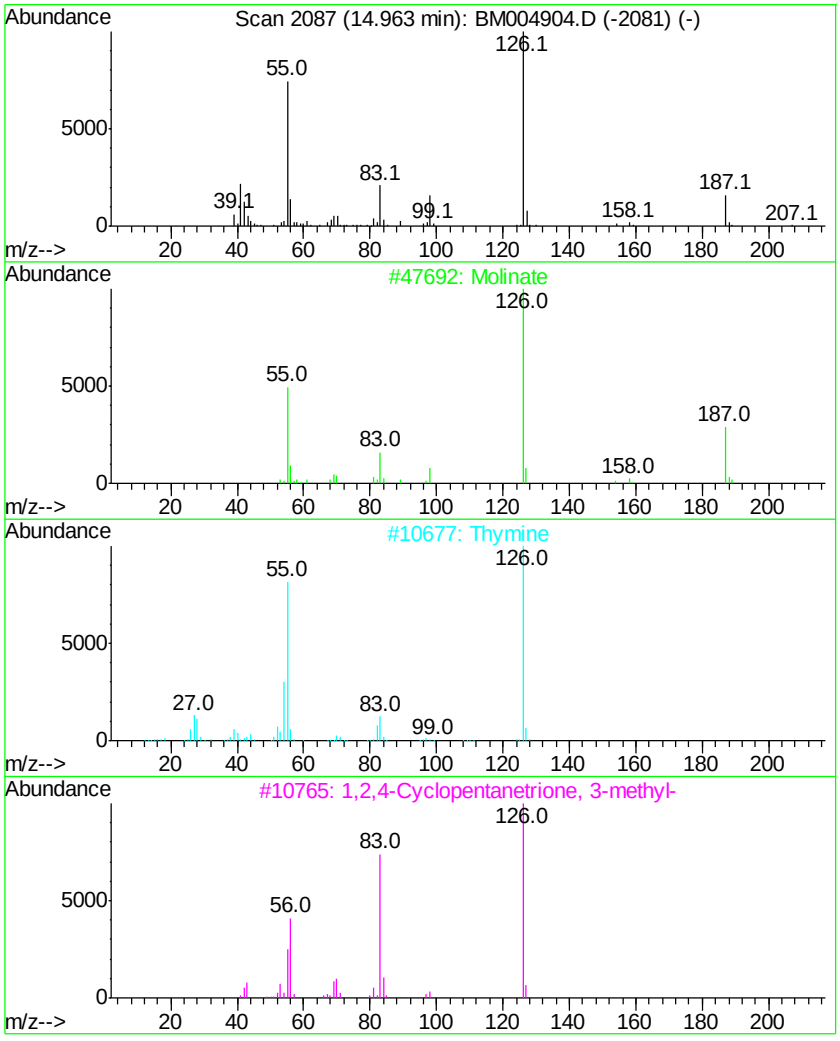
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

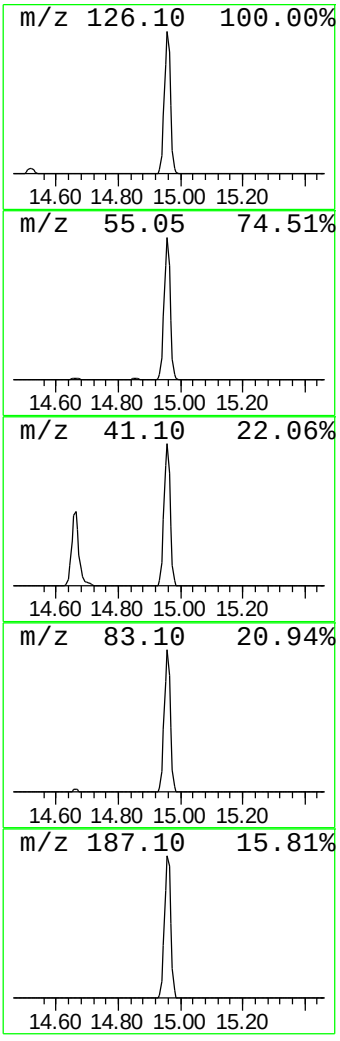
****

Peak Number 5 Molinate Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.96	20.48 ng/ul	555927	Acenaphthene-d10	14.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Molinate	187	C9H17NOS	002212-67-1	95
2	Thymine	126	C5H6N2O2	000065-71-4	59
3	1,2,4-Cyclopentanetrione, 3-methyl-	126	C6H6O3	004505-54-8	52
4	4,5-Diamino-2-hydroxypyrimidine	126	C4H6N4O	023899-73-2	47
5	4(1H)-Pyrimidinone, 2,6-diamino-	126	C4H6N4O	000056-06-4	47





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Data File : BM004904.D
Acq On : 06 Apr 2016 14:36
Operator : UM/SJ
Sample : H1940-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9SE7

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM040116.M
Quant Title : SVOA CALIBRATION

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

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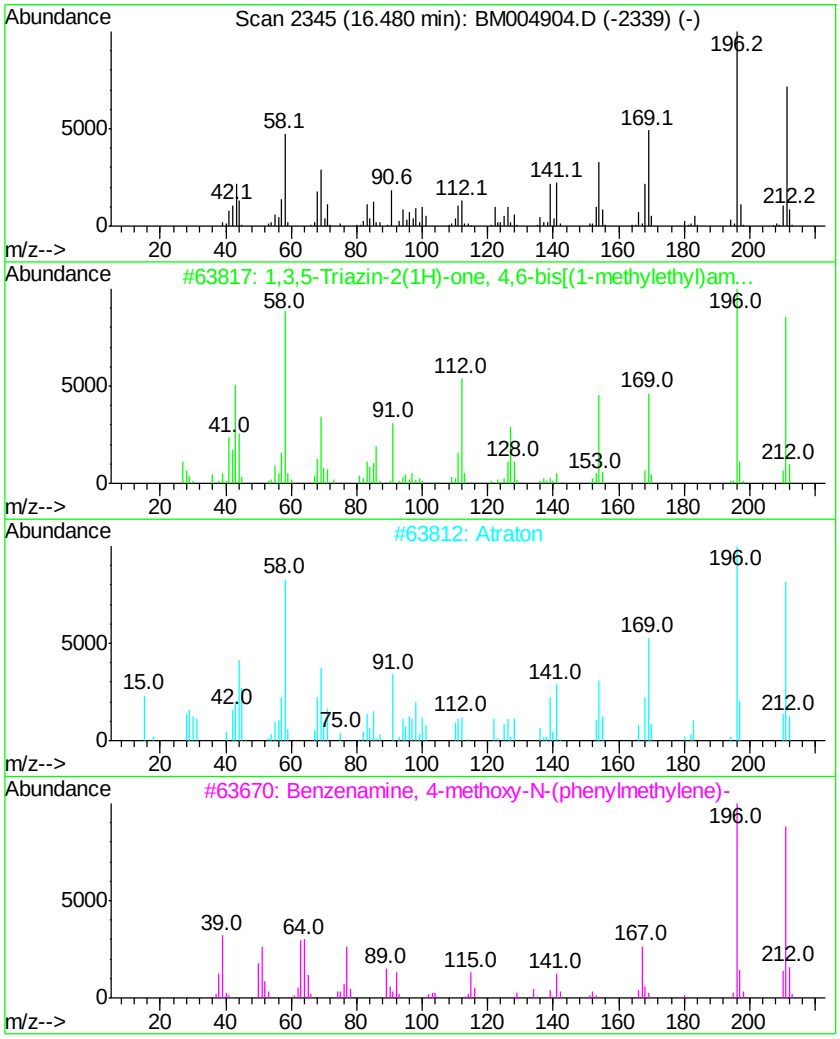
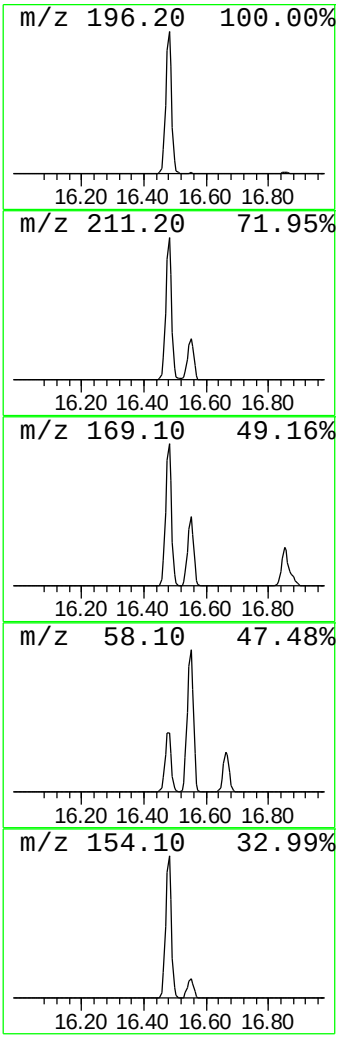
Peak Number 6 1,3,5-Triazin-2(1H)-one, 4,... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.48	25.61 ng/ul	953128	Phenanthrene-d10	17.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3,5-Triazin-2(1H)-one, 4,6-bis...	211	C9H17N5O	007374-53-0	86
2	Atraton	211	C9H17N5O	001610-17-9	80
3	Benzenamine, 4-methoxy-N-(phenyl...	211	C14H13NO	000783-08-4	32
4	1-[2-(Methylthio)-5-nitrophenyl]...	211	C9H9NO3S	1000266-40-0	27
5	Propaneisocyanide, 2-(6-methoxy-...	211	C14H13NO	133097-33-3	25





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Sample : H1940-01
Misc :
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Instrument : BNA_M
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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM040116.M
Quant Title : SVOA CALIBRATION

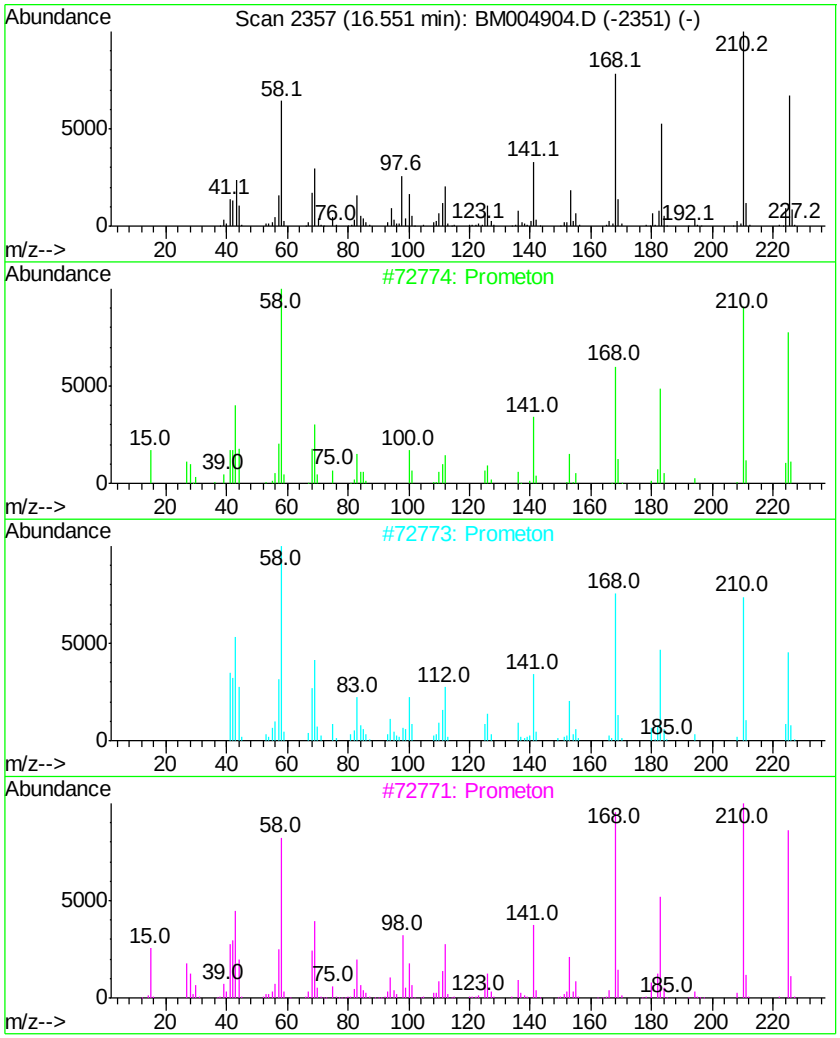
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

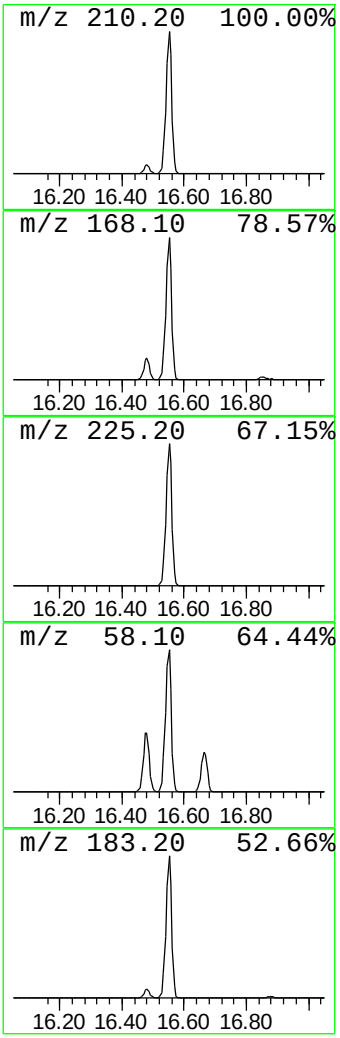
****

Peak Number 7 Prometon Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.55	47.54 ng/ul	1769200	Phenanthrene-d10	17.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Prometon	225	C10H19N5O	001610-18-0	99
2	Prometon	225	C10H19N5O	001610-18-0	99
3	Prometon	225	C10H19N5O	001610-18-0	99
4	Prometon	225	C10H19N5O	001610-18-0	98
5	1,3,5-Triazine-2,4-diamine, N-(1...	225	C10H19N5O	033693-04-8	30





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM040616\
Data File : BM004904.D
Acq On : 06 Apr 2016 14:36
Operator : UM/SJ
Sample : H1940-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9SE7

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM040116.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
unknown-01	2.85	625.6	ng/ul	7266310	1	7.82	232313	20.0
2-Propenamide	5.06	21.2	ng/ul	246694	1	7.82	232313	20.0
unknown-02	12.13	28.2	ng/ul	528079	2	10.61	374214	20.0
Phthalic anhydride	12.38	6.0	ng/ul	112555	2	10.61	374214	20.0
Molinate	14.96	20.5	ng/ul	555927	3	14.46	542932	20.0
1,3,5-Triazin-2(1...	16.48	25.6	ng/ul	953128	4	17.20	744272	20.0
Prometon	16.55	47.5	ng/ul	1769200	4	17.20	744272	20.0