LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG032116\
Data File : BG021452.D
Acq On : 21 Mar 2016 20:25
Operator : UM/SJ
Sample : H1835-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : A4T15

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:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG031616.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	2.992	19	26	61	rVB2	6237279	14280761	100.00%	52.551%
2	7.334	759	765	771	rBV	50898	92940	0.65%	0.342%
3	7.398	771	776	783	rVB	41716	66701	0.47%	0.245%
4	7.645	812	818	820	rBV	58201	99541	0.70%	0.366%
5	7.674	820	823	835	rVB	73333	113938	0.80%	0.419%
6	8.074	886	891	897	rVB	35921	59856	0.42%	0.220%
7	8.597	971	980	986	rBV2	62892	147743	1.03%	0.544%
8	8.850	1016	1023	1027	rBV	72345	126537	0.89%	0.466%
9	8.897	1027	1031	1040	rVB	95203	161024	1.13%	0.593%
10	9.155	1070	1075	1081	rBB3	33060	54585	0.38%	0.201%
11	9.243	1083	1090	1093	rBV	57155	97989	0.69%	0.361%
12	9.290	1093	1098	1108	rVB	102067	182953	1.28%	0.673%
13	9.537	1133	1140	1148	rBB	150101	235112	1.65%	0.865%
14	9.966	1207	1213	1215	rBV	55768	91605	0.64%	0.337%
15	9.995	1215	1218	1231	rVB	77661	139482	0.98%	0.513%
16	10.571	1309	1316	1330	rBB3	76921	226507	1.59%	0.834%
17	10.882	1362	1369	1373	rBV	55281	94967	0.66%	0.349%
18	10.929	1373	1377	1386	rVB	53043	91972	0.64%	0.338%
19	11.023	1387	1393	1404	rBB2	24245	44903	0.31%	0.165%
20	12.234	1593	1599	1611	rBB	124825	220181	1.54%	0.810%
21	12.387	1618	1625	1633	rBV	97639	163739	1.15%	0.603%
22	12.745	1679	1686	1693	rBB	182798	301521	2.11%	1.110%
23	12.886	1704	1710	1717	rBB	68368	105387	0.74%	0.388%
24	13.150	1749	1755	1765	rBB	96402	153646	1.08%	0.565%
25	13.526	1812	1819	1825	rBV	193817	296560	2.08%	1.091%
26	13.791	1857	1864	1873	rBB	123131	198560	1.39%	0.731%
27	14.090	1909	1915	1921	rBV	151685	208907	1.46%	0.769%
28	14.179	1924	1930	1936	rVV	47391	69435	0.49%	0.256%
29	14.267	1939	1945	1951	rVB	121435	175888	1.23%	0.647%
30	14.390	1958	1966	1967	rBV	159220	244995	1.72%	0.902%
31	14.414	1967	1970	1978	rVB	236724	354452	2.48%	1.304%
32	14.690	2010	2017	2023	rBV2	83951	135524	0.95%	0.499%
33	14.749	2023	2027	2033	rVB2	20999	31500	0.22%	0.116%
34	15.054	2073	2079	2082	rBV3	239566	421188	2.95%	1.550%

LSC Area Percent Report

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Data File : BG021452.D
Acq On : 21 Mar 2016 20:25
Operator : UM/SJ
Sample : H1835-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : A4T15

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:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG031616.M
Title : SVOA CALIBRATION

35	15.318	2118	2124	2130	rBB2	16026	25341	0.18%	0.093%
36	15.495	2148	2154	2160	rBV	252787	336029	2.35%	1.237%
37	15.677	2178	2185	2190	rBV	199642	302987	2.12%	1.115%
38	15.730	2190	2194	2200	rVB2	46883	67056	0.47%	0.247%
39	15.800	2201	2206	2212	rBV	69146	99690	0.70%	0.367%
40	15.935	2219	2229	2238	rBB	314461	449859	3.15%	1.655%
41	16.170	2265	2269	2276	rBV2	9100	14549	0.10%	0.054%
42	16.676	2346	2355	2359	rBV2	51929	80055	0.56%	0.295%
43	16.729	2359	2364	2370	rVB	192286	268170	1.88%	0.987%
44	17.093	2422	2426	2439	rBV	62137	98975	0.69%	0.364%
45	17.428	2476	2483	2486	rBV	115838	176333	1.23%	0.649%
46	17.469	2486	2490	2495	rVV	220533	320814	2.25%	1.181%
47	17.528	2495	2500	2508	rVB	224452	339256	2.38%	1.248%
48	18.368	2637	2643	2653	rBV	297002	355752	2.49%	1.309%
49	19.666	2860	2864	2874	rBV2	23122	32750	0.23%	0.121%
50	19.801	2881	2887	2890	rBV	286014	443921	3.11%	1.634%
51	19.831	2890	2892	2899	rVB	148764	161000	1.13%	0.592%
52	20.019	2919	2924	2929	rBV	45173	52956	0.37%	0.195%
53	20.818	3055	3060	3067	rVB2	11708	16155	0.11%	0.059%
54	21.576	3185	3189	3194	rBV2	17068	25635	0.18%	0.094%
55	21.664	3197	3204	3217	rVB2	365037	774846	5.43%	2.851%
56	22.016	3260	3264	3271	rVB2	30268	46134	0.32%	0.170%
57	22.222	3292	3299	3306	rVB	387577	626995	4.39%	2.307%
58	22.398	3325	3329	3336	rVB2	22991	35757	0.25%	0.132%
59	22.751	3382	3389	3397	rVB	189092	317775	2.23%	1.169%
60	23.879	3573	3581	3594	rVB	185721	441909	3.09%	1.626%
61	24.684	3708	3718	3724	rBV	150802	415690	2.91%	1.530%
62	24.749	3724	3729	3740	rVB	97611	248305	1.74%	0.914%
63	24.901	3747	3755	3766	rVB2	77187	206872	1.45%	0.761%
64	28.632	4374	4390	4405	rBV	143238	611430	4.28%	2.250%
65	29.719	4563	4575	4593	rVB	61131	291607	2.04%	1.073%

Sum of corrected areas: 27175202

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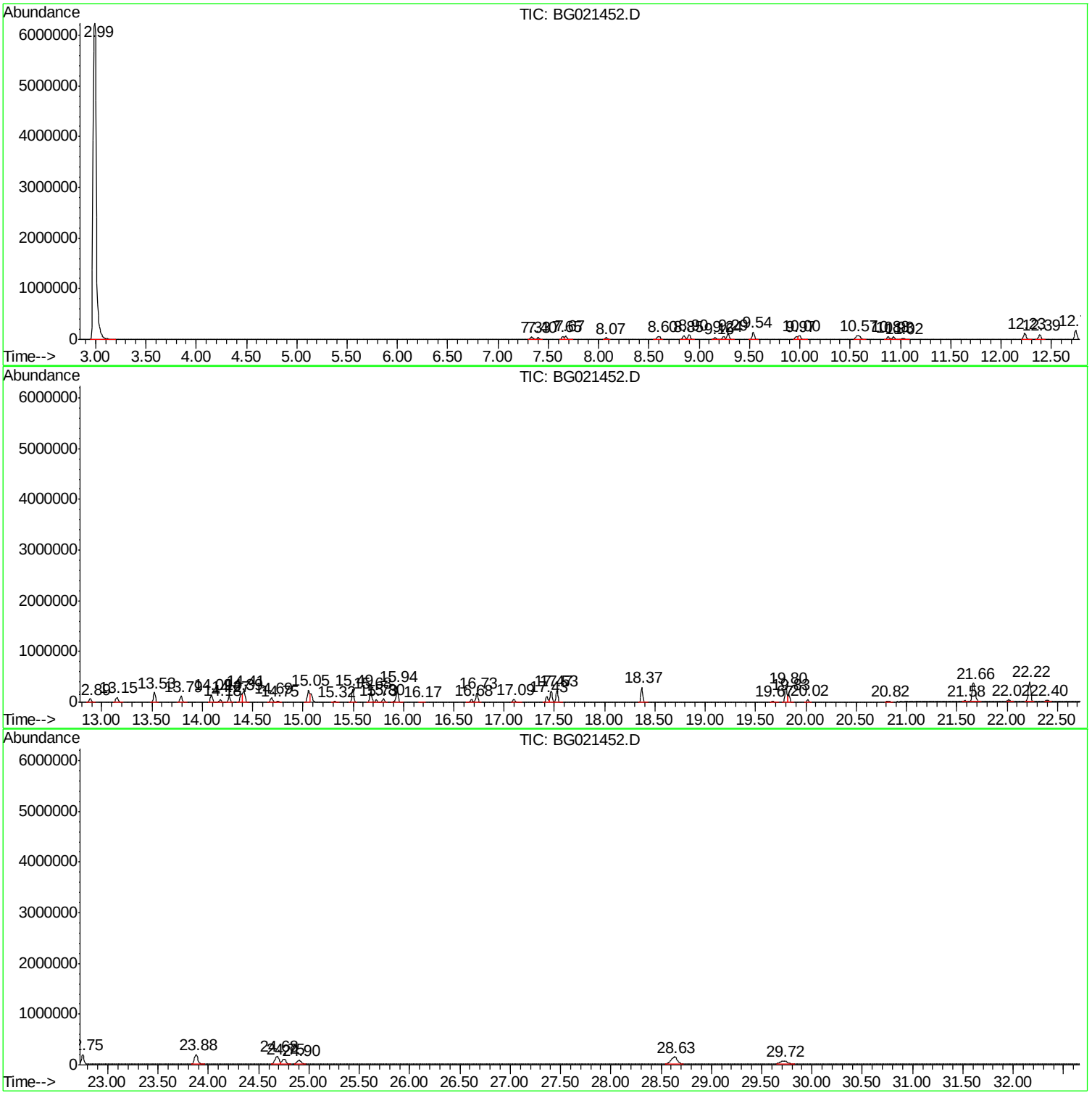
Sample : H1835-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A4T15

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG031616.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

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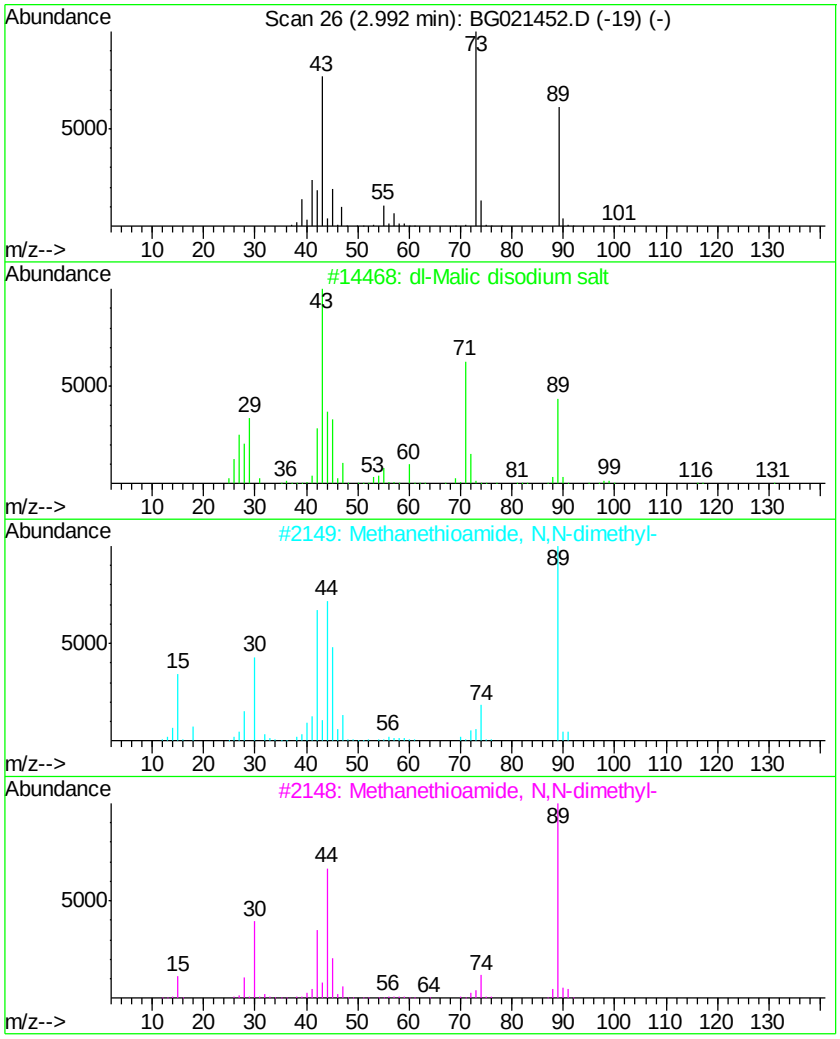
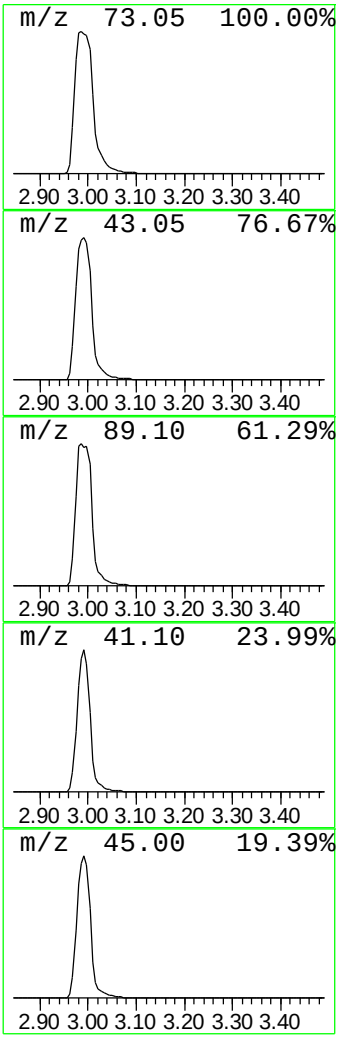
****

Peak Number 1 dl-Malic disodium salt Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.99	4771.71 ng/ul	14280800	1,4-Dichlorobenzene-d4	8.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	dl-Malic disodium salt	134	C4H6O5	000617-48-1	53
2	Methanethioamide, N,N-dimethyl-	89	C3H7NS	000758-16-7	37
3	Methanethioamide, N,N-dimethyl-	89	C3H7NS	000758-16-7	32
4	Thiazole, tetrahydro-	89	C3H7NS	000504-78-9	32
5	Propane, 2,2-dimethoxy-	104	C5H12O2	000077-76-9	28





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG032116\
Data File : BG021452.D
Acq On : 21 Mar 2016 20:25
Operator : UM/SJ
Sample : H1835-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : A4T15

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG031616.M
Quant Title : SVOA CALIBRATION

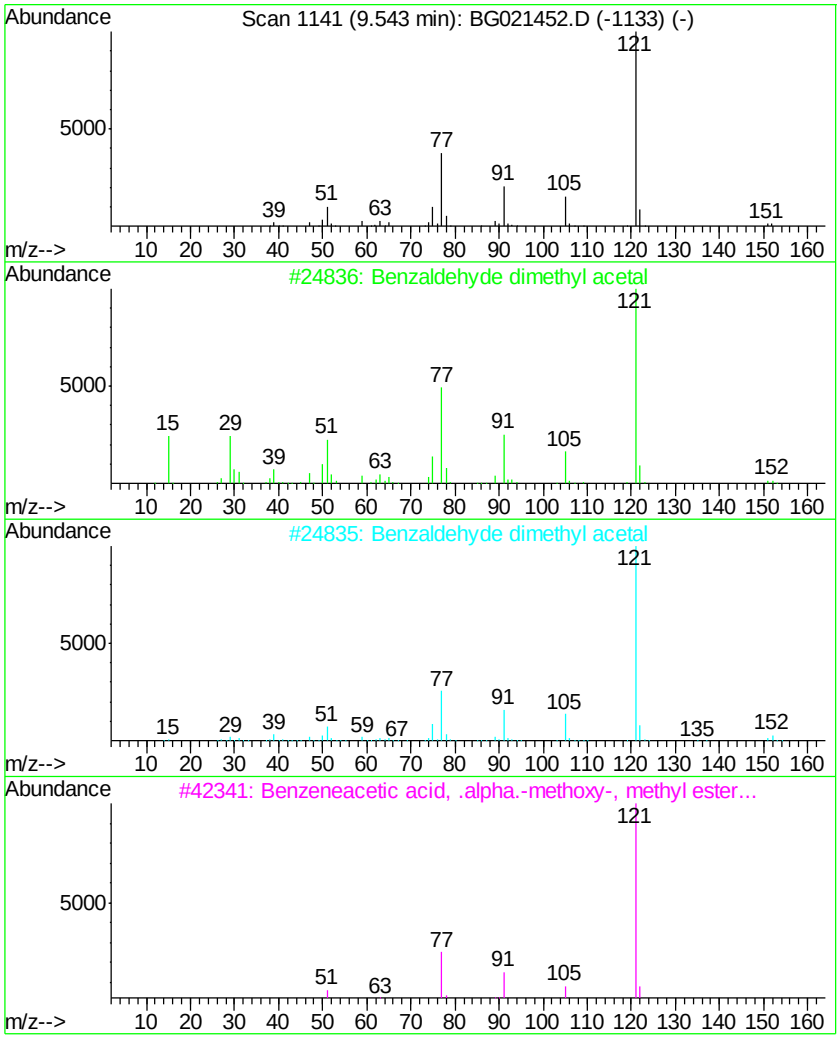
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

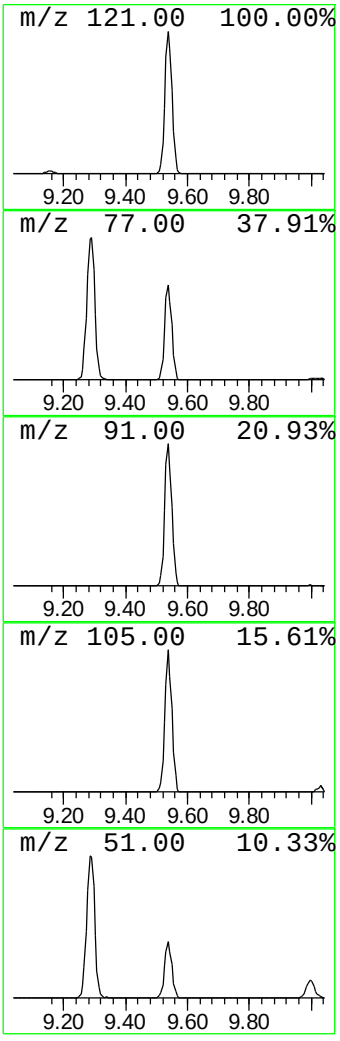
****

Peak Number 2 Benzaldehyde dimethyl acetal Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.54	49.51 ng/ul	235112	Naphthalene-d8	10.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde dimethyl acetal	152	C9H12O2	001125-88-8	91
2	Benzaldehyde dimethyl acetal	152	C9H12O2	001125-88-8	91
3	Benzeneacetic acid, .alpha.-meth...	180	C10H12O3	056143-21-6	78
4	Benzene, (1-methoxypropyl)-	150	C10H14O	059588-12-4	72
5	Benzaldehyde dimethyl acetal	152	C9H12O2	001125-88-8	64





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG032116\
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Acq On : 21 Mar 2016 20:25
Operator : UM/SJ
Sample : H1835-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : A4T15

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG031616.M
Quant Title : SVOA CALIBRATION

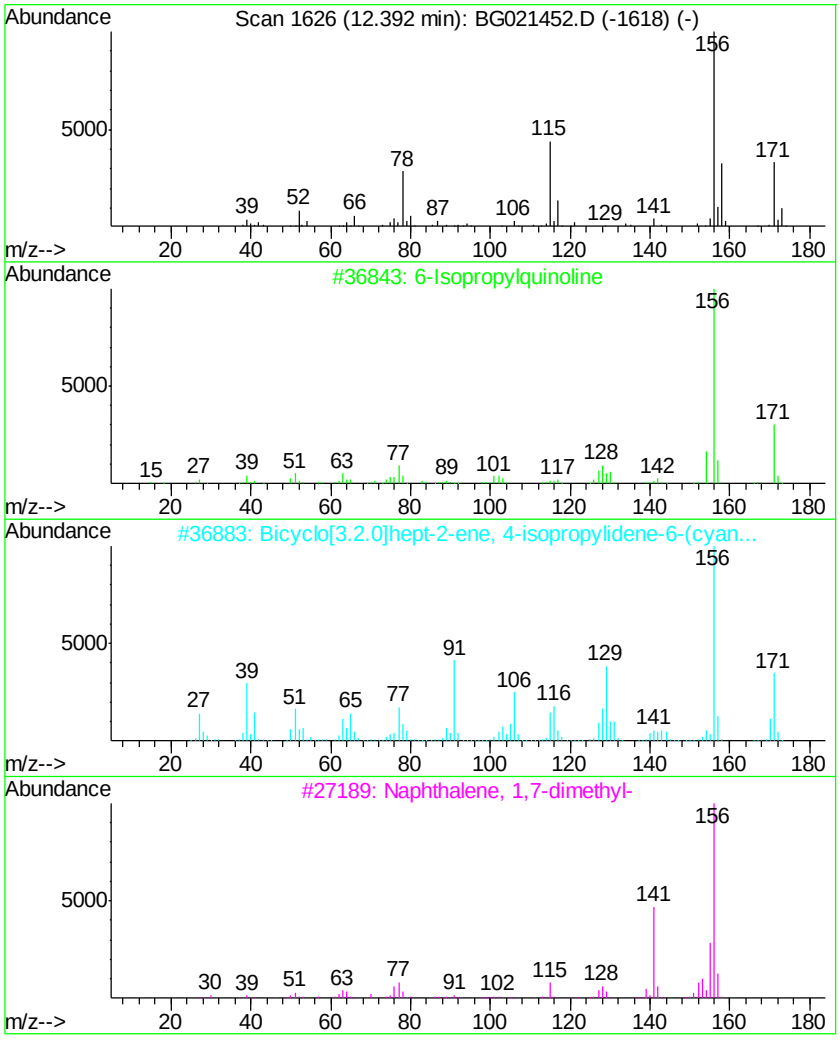
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

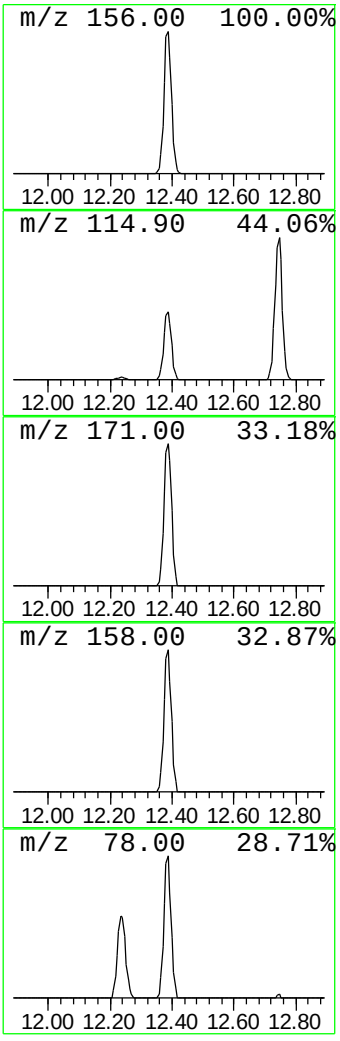
****

Peak Number 3 unknown-01 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.39	34.48 ng/ul	163739	Naphthalene-d8	10.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6-Isopropylquinoline	171	C12H13N	000135-79-5	38
2	Bicyclo[3.2.0]hept-2-ene, 4-isop...	171	C12H13N	1000217-15-6	32
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	27
4	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	27
5	Tebuthiuron	228	C9H16N4OS	034014-18-1	25





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG032116\
Data File : BG021452.D
Acq On : 21 Mar 2016 20:25
Operator : UM/SJ
Sample : H1835-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : A4T15

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG031616.M
Quant Title : SVOA CALIBRATION

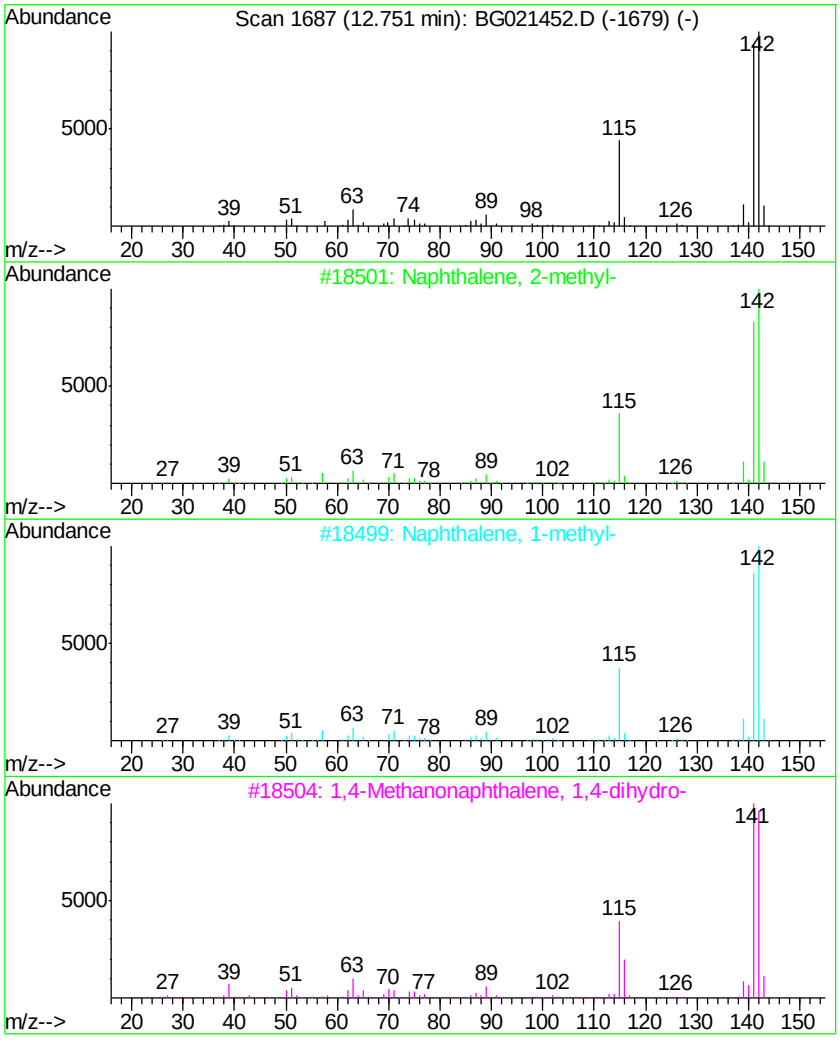
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

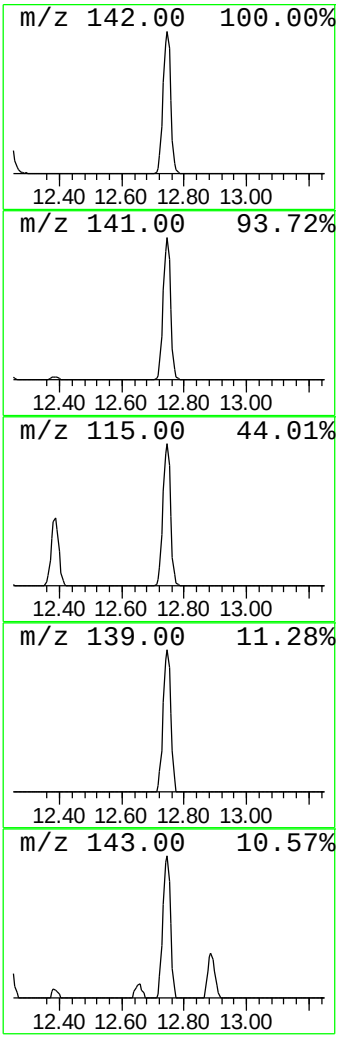
****

Peak Number 4 Naphthalene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.75	63.50 ng/ul	301521	Naphthalene-d8	10.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
3	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	94
4	Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	91
5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG032116\
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Operator : UM/SJ
Sample : H1835-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : A4T15

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG031616.M
Quant Title : SVOA CALIBRATION

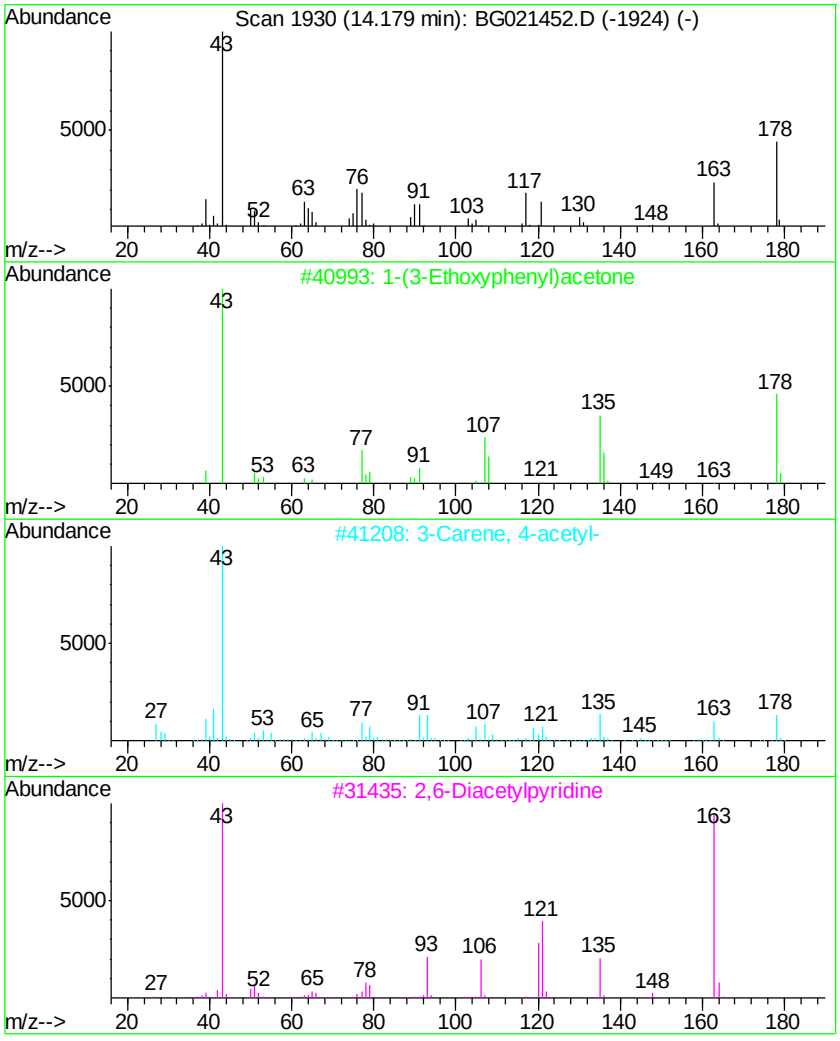
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

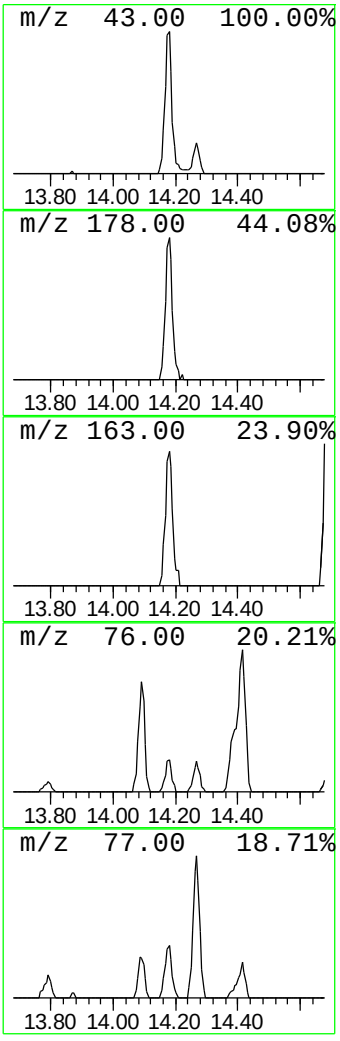
****

Peak Number 5 unknown-02 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.18	10.25 ng/ul	69435	Acenaphthene-d10	14.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-(3-Ethoxyphenyl)acetone	178	C11H14O2	023037-47-0	25
2	3-Carene, 4-acetyl-	178	C12H18O	1000156-14-1	9
3	2,6-Diacetylpyridine	163	C9H9NO2	001129-30-2	9
4	2,6-Diacetylpyridine	163	C9H9NO2	001129-30-2	7
5	1-(3-Ethoxyphenyl)acetone	178	C11H14O2	023037-47-0	7





Library Search Compound Report

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Data File : BG021452.D
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Operator : UM/SJ
Sample : H1835-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : A4T15

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG031616.M
Quant Title : SVOA CALIBRATION

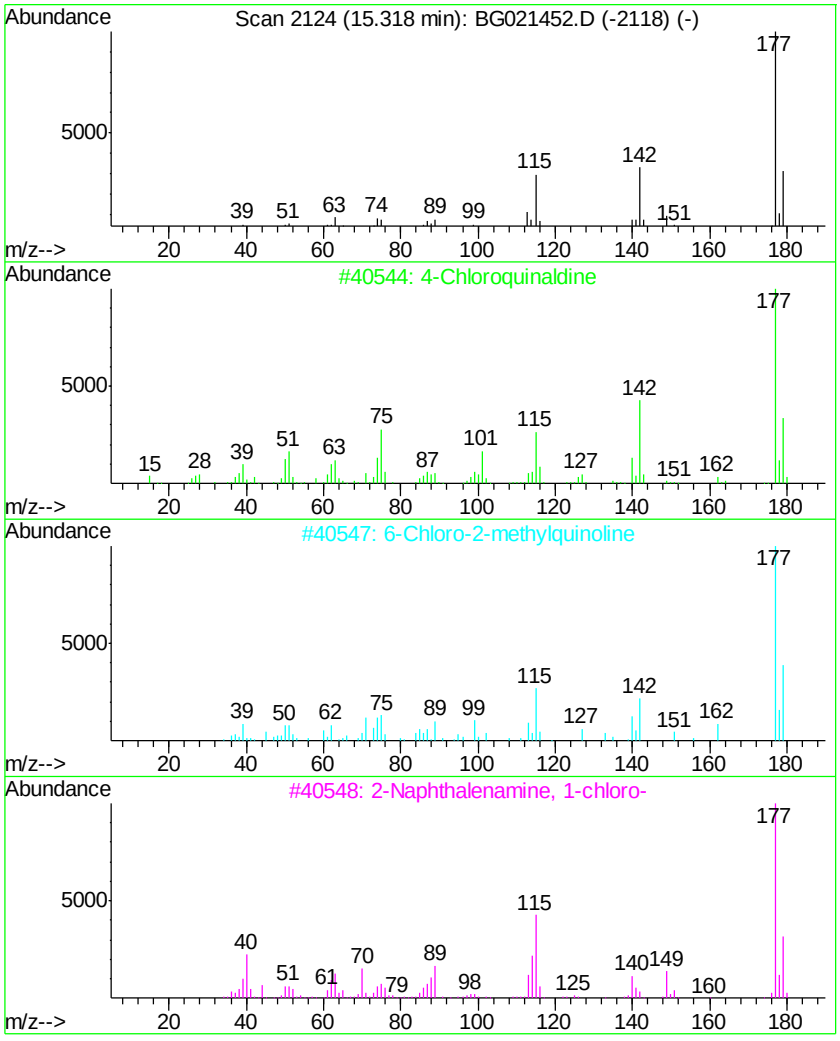
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

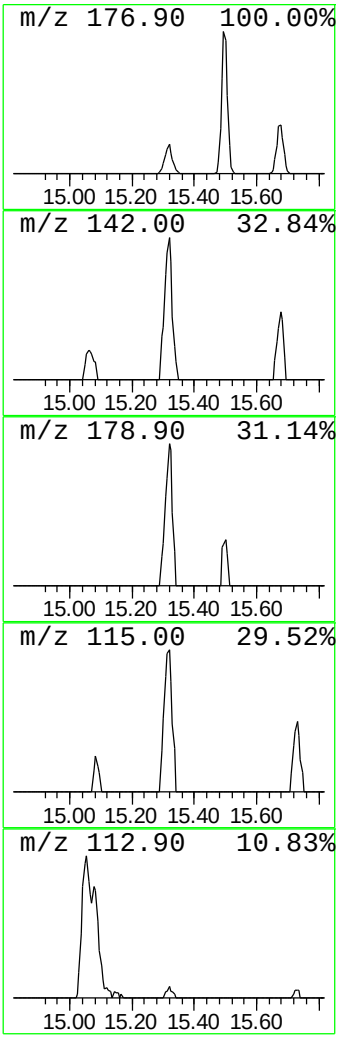
****

Peak Number 6 4-Chloroquinaldine Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.32	3.74 ng/ul	25341	Acenaphthene-d10	14.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Chloroquinaldine	177	C10H8ClN	004295-06-1	80
2	6-Chloro-2-methylquinoline	177	C10H8ClN	000092-46-6	72
3	2-Naphthalenamine, 1-chloro-	177	C10H8ClN	016452-11-2	72
4	8-Chloro-2-methylquinoline	177	C10H8ClN	003033-82-7	59
5	1H-Pyrrole, 1-(4-chlorophenyl)-	177	C10H8ClN	005044-38-2	59





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Data File : BG021452.D
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Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : A4T15

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG031616.M
Quant Title : SVOA CALIBRATION

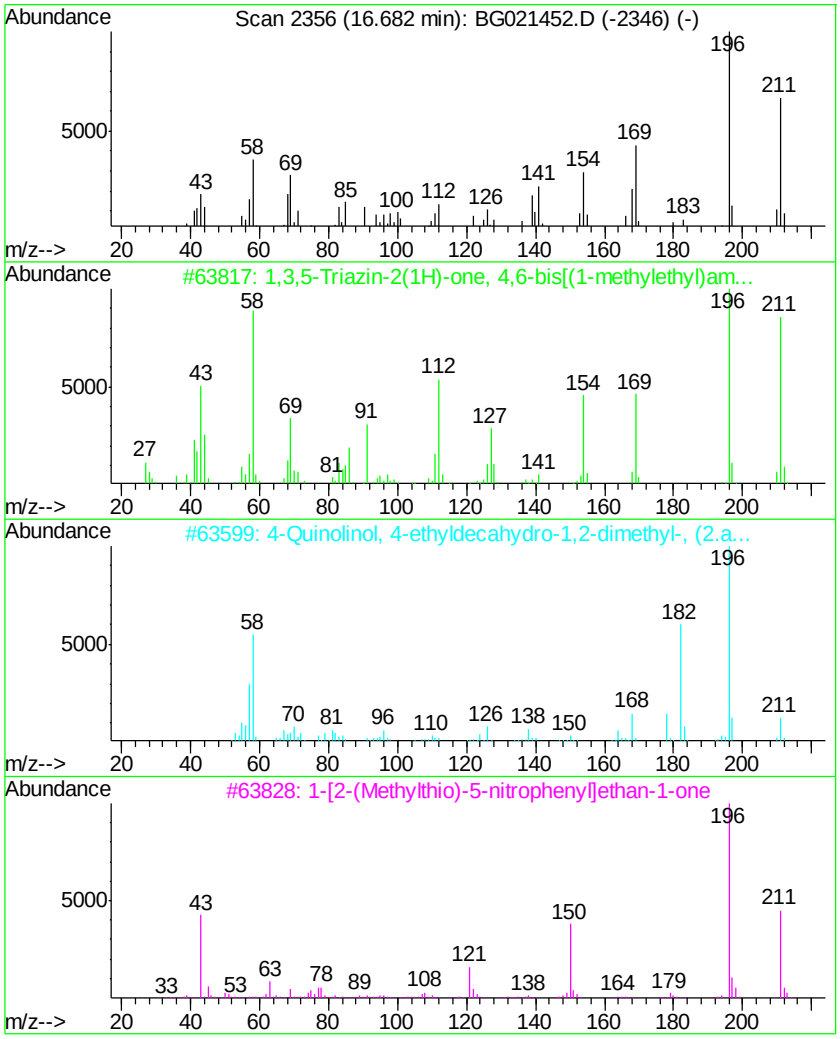
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

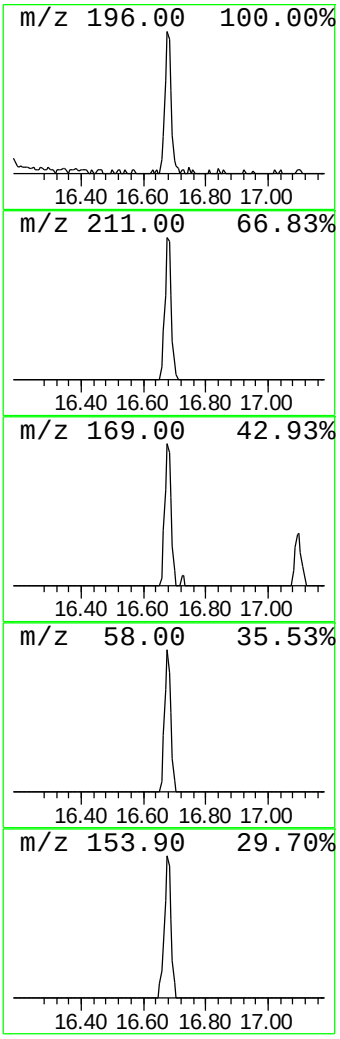
****

Peak Number 7 unknown-03 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.68	9.08 ng/ul	80055	Phenanthrene-d10	17.43

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	47
2	4-Quinolinol, 4-ethyldecahydro-1...	211	C13H25NO	020422-72-4	43
3	1-[2-(Methylthio)-5-nitrophenyl]...	211	C9H9NO3S	1000266-40-0	38
4	Benzenamine, 4-methoxy-N-(phenyl...	211	C14H13NO	000783-08-4	38
5	Atraton	211	C9H17N5O	001610-17-9	35





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Instrument : BNA_G
ClientSampleId : A4T15

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG031616.M
Quant Title : SVOA CALIBRATION

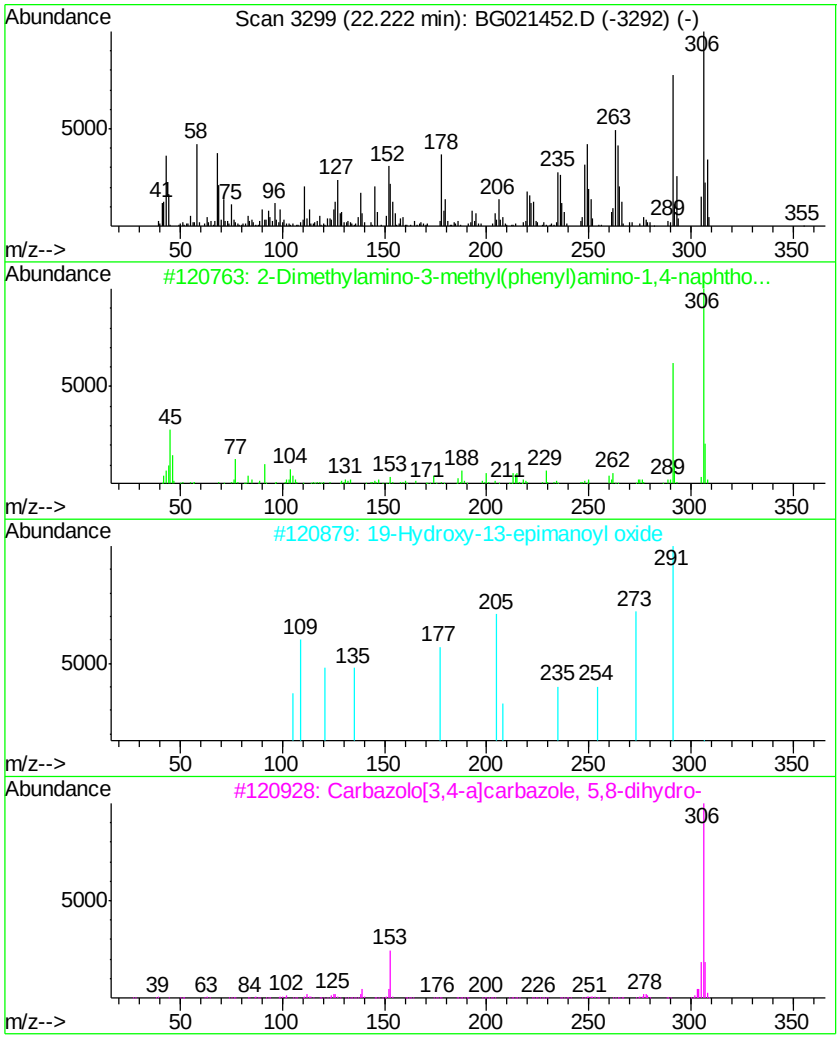
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

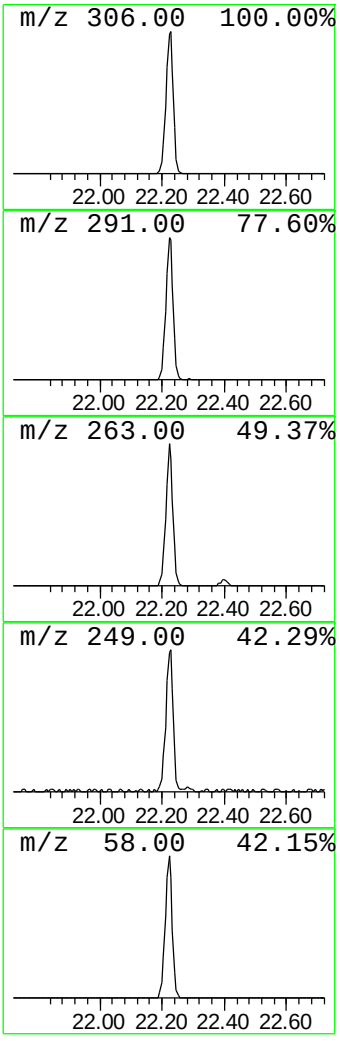
****

Peak Number 8 unknown-04 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.22	16.18 ng/ul	626995	Chrysene-d12	21.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Dimethylamino-3-methyl(phenyl)...	306	C19H18N2O2	134614-10-1	41
2	19-Hydroxy-13-epimanoyl oxide	306	C20H34O2	077096-88-9	27
3	Carbazolo[3,4-a]carbazole, 5,8-d...	306	C22H14N2	007259-12-3	25
4	3-(2-Furfuridene)-2-(2-furyl)-6-...	306	C19H14O4	1000243-55-5	25
5	Benzoic acid, 4-(3-indolylmethyl...	306	C19H18N2O2	304669-02-1	22





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG032116\
Data File : BG021452.D
Acq On : 21 Mar 2016 20:25
Operator : UM/SJ
Sample : H1835-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : A4T15

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG031616.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
dl-Malic disodium...	2.99	4771.7	ng/ul	14280800	1	8.07	59856	20.0
Benzaldehyde dime...	9.54	49.5	ng/ul	235112	2	10.88	94967	20.0
unknown-01	12.39	34.5	ng/ul	163739	2	10.88	94967	20.0
Naphthalene, 1-me...	12.75	63.5	ng/ul	301521	2	10.88	94967	20.0
unknown-02	14.18	10.3	ng/ul	69435	3	14.68	135524	20.0
4-Chloroquinaldine	15.32	3.7	ng/ul	25341	3	14.68	135524	20.0
unknown-03	16.68	9.1	ng/ul	80055	4	17.43	176333	20.0
unknown-04	22.22	16.2	ng/ul	626995	5	21.68	774846	20.0