LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG100515\
Data File : BG019026.D
Acq On : 5 Oct 2015 13:19
Operator : UM/NP
Sample : G3797-06
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9G55

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-BG100415.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	3.020	26	31	35	rBV2	7001228	15242503	100.00%	31.524%
2	3.167	52	56	64	rVB2	53278	131618	0.86%	0.272%
3	3.243	64	69	86	rVB	244511	446145	2.93%	0.923%
4	5.159	390	395	402	rVB	14779	22064	0.14%	0.046%
5	7.051	712	717	722	rVB	19063	28112	0.18%	0.058%
6	7.203	736	743	753	rBV2	174486	455587	2.99%	0.942%
7	7.374	765	772	780	rBV	132931	217941	1.43%	0.451%
8	7.468	780	788	795	rBV	216809	342502	2.25%	0.708%
9	7.579	800	807	819	rBV	165508	282924	1.86%	0.585%
10	8.049	880	887	895	rVB2	113779	201519	1.32%	0.417%
11	8.284	920	927	933	rBV4	17064	34756	0.23%	0.072%
12	8.484	954	961	968	rBV	358387	598832	3.93%	1.238%
13	8.596	975	980	990	rBV2	11391	22668	0.15%	0.047%
14	8.749	995	1006	1011	rBV	203505	371497	2.44%	0.768%
15	8.807	1011	1016	1021	rVV	372287	639075	4.19%	1.322%
16	8.860	1021	1025	1032	rVB	283515	466874	3.06%	0.966%
17	9.136	1065	1072	1078	rBV	160203	267991	1.76%	0.554%
18	9.207	1078	1084	1091	rVB	156301	270718	1.78%	0.560%
19	9.777	1174	1181	1189	rVB	259549	442356	2.90%	0.915%
20	9.930	1200	1207	1214	rVB	133514	232388	1.52%	0.481%
21	10.018	1214	1222	1230	rBV	309811	532045	3.49%	1.100%
22	10.259	1255	1263	1270	rBV	245981	392341	2.57%	0.811%
23	10.470	1288	1299	1310	rBV2	210902	530829	3.48%	1.098%
24	10.852	1356	1364	1369	rBV	155304	300913	1.97%	0.622%
25	10.905	1369	1373	1381	rVV	193125	329346	2.16%	0.681%
26	10.981	1381	1386	1397	rVB	26080	43467	0.29%	0.090%
27	11.193	1416	1422	1430	rVB	368621	607118	3.98%	1.256%
28	11.628	1490	1496	1501	rVB	11854	17979	0.12%	0.037%
29	11.763	1512	1519	1541	rBV	110471	337592	2.21%	0.698%
30	12.362	1616	1621	1628	rBV	31497	49517	0.32%	0.102%
31	12.726	1674	1683	1691	rVB	453506	760478	4.99%	1.573%
32	12.867	1699	1707	1714	rBV2	414626	852207	5.59%	1.762%
33	13.179	1753	1760	1767	rVB	285687	454367	2.98%	0.940%
34	13.549	1812	1823	1830	rBV	212105	327091	2.15%	0.676%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG100515\
Data File : BG019026.D
Acq On : 5 Oct 2015 13:19
Operator : UM/NP
Sample : G3797-06
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9G55

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-BG100415.M
Title : SVOA CALIBRATION

35	14.078	1906	1913	1917	rBV	390499	553359	3.63%	1.144%
36	14.125	1917	1921	1927	rVB	214523	299404	1.96%	0.619%
37	14.366	1953	1962	1965	rBV	414560	704031	4.62%	1.456%
38	14.571	1990	1997	2008	rBV	272135	439750	2.89%	0.909%
39	14.671	2008	2014	2020	rBV2	243846	404359	2.65%	0.836%
40	14.736	2020	2025	2029	rVV	461729	753514	4.94%	1.558%
41	14.771	2029	2031	2038	rVB	195013	222907	1.46%	0.461%
42	14.853	2038	2045	2051	rBV	215470	344182	2.26%	0.712%
43	14.965	2057	2064	2075	rBV	250030	384998	2.53%	0.796%
44	15.071	2075	2082	2090	rVB	236073	357463	2.35%	0.739%
45	15.664	2176	2183	2187	rBV	572876	836729	5.49%	1.730%
46	15.717	2187	2192	2199	rVV3	525880	1390789	9.12%	2.876%
47	15.787	2199	2204	2211	rVB2	508824	883507	5.80%	1.827%
48	17.062	2414	2421	2430	rBV	752989	1115070	7.32%	2.306%
49	17.415	2474	2481	2487	rBV	347330	513260	3.37%	1.061%
50	17.515	2491	2498	2501	rBV	618604	1006083	6.60%	2.081%
51	17.550	2501	2504	2511	rVB	592239	810263	5.32%	1.676%
52	17.814	2540	2549	2559	rBV	639722	934138	6.13%	1.932%
53	18.631	2684	2688	2692	rVB	18671	20193	0.13%	0.042%
54	19.460	2816	2829	2838	rBV	466463	646605	4.24%	1.337%
55	19.795	2879	2886	2893	rBV2	812878	1174102	7.70%	2.428%
56	20.711	3037	3042	3047	rBV	498527	563250	3.70%	1.165%
57	21.581	3184	3190	3195	rBV	526144	681016	4.47%	1.408%
58	21.675	3200	3206	3210	rVV	390652	661380	4.34%	1.368%
59	21.728	3210	3215	3222	rVB	656863	1107337	7.26%	2.290%
60	22.715	3377	3383	3391	rVB	64552	112369	0.74%	0.232%
61	23.948	3582	3593	3601	rBV	558276	1344222	8.82%	2.780%
62	24.683	3707	3718	3724	rBV	407577	1243101	8.16%	2.571%
63	24.759	3724	3731	3742	rVV	470247	1288887	8.46%	2.666%
64	24.900	3745	3755	3765	rVV2	222794	647859	4.25%	1.340%
65	24.983	3765	3769	3777	rVB7	15416	30993	0.20%	0.064%
66	26.122	3959	3963	3973	rVB6	12219	30725	0.20%	0.064%
67	28.567	4363	4379	4392	rBV	147618	593132	3.89%	1.227%

Sum of corrected areas: 48352337

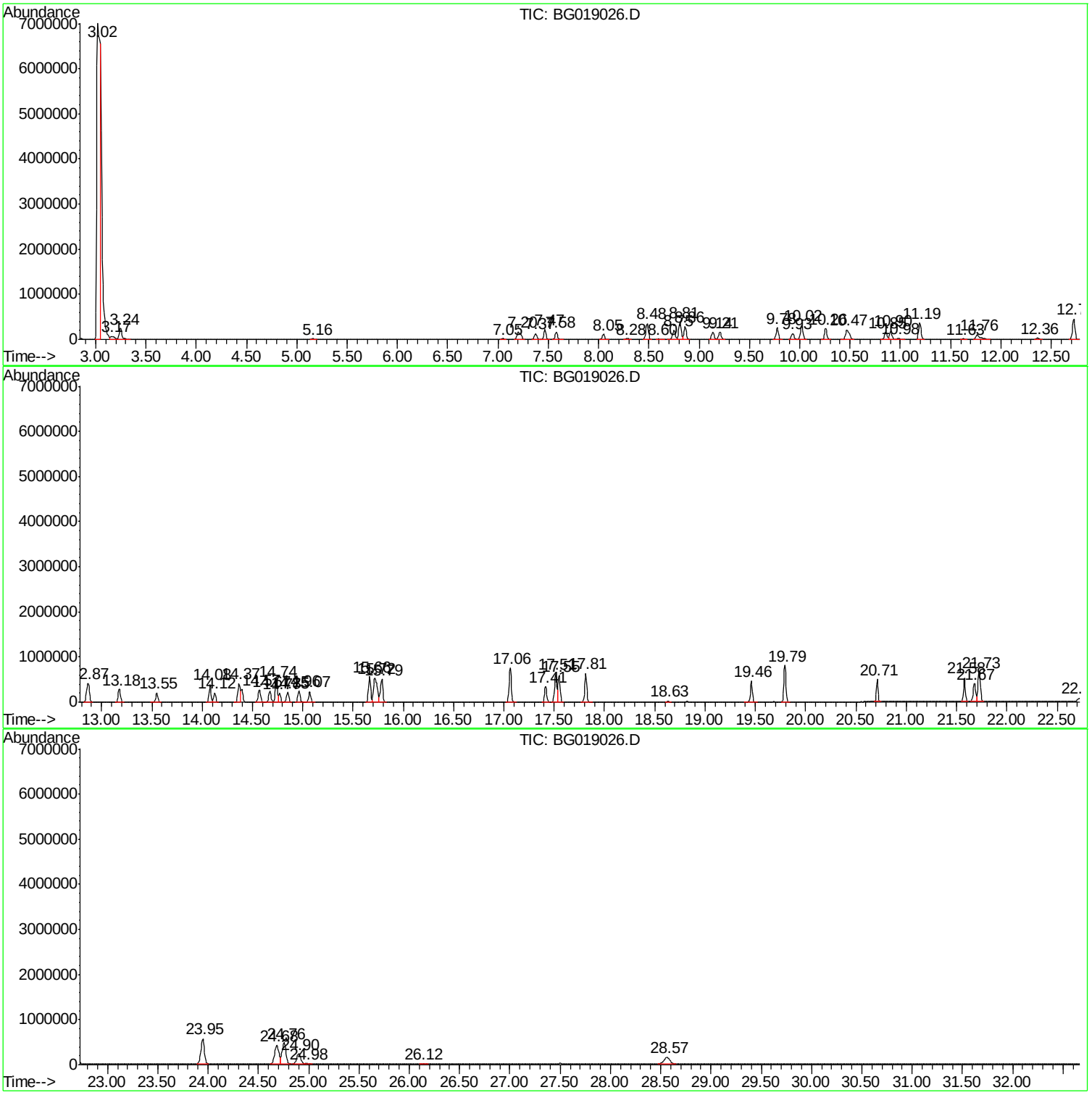
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA G\DATA\BG100515\
Data File : BG019026.D
Acq On : 5 Oct 2015 13:19
Operator : UM/NP
Sample : G3797-06
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9G55

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG100415.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA G\DATA\BG100515\
Data File : BG019026.D
Acq On : 5 Oct 2015 13:19
Operator : UM/NP
Sample : G3797-06
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9G55

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG100415.M
Quant Title : SVOA CALIBRATION

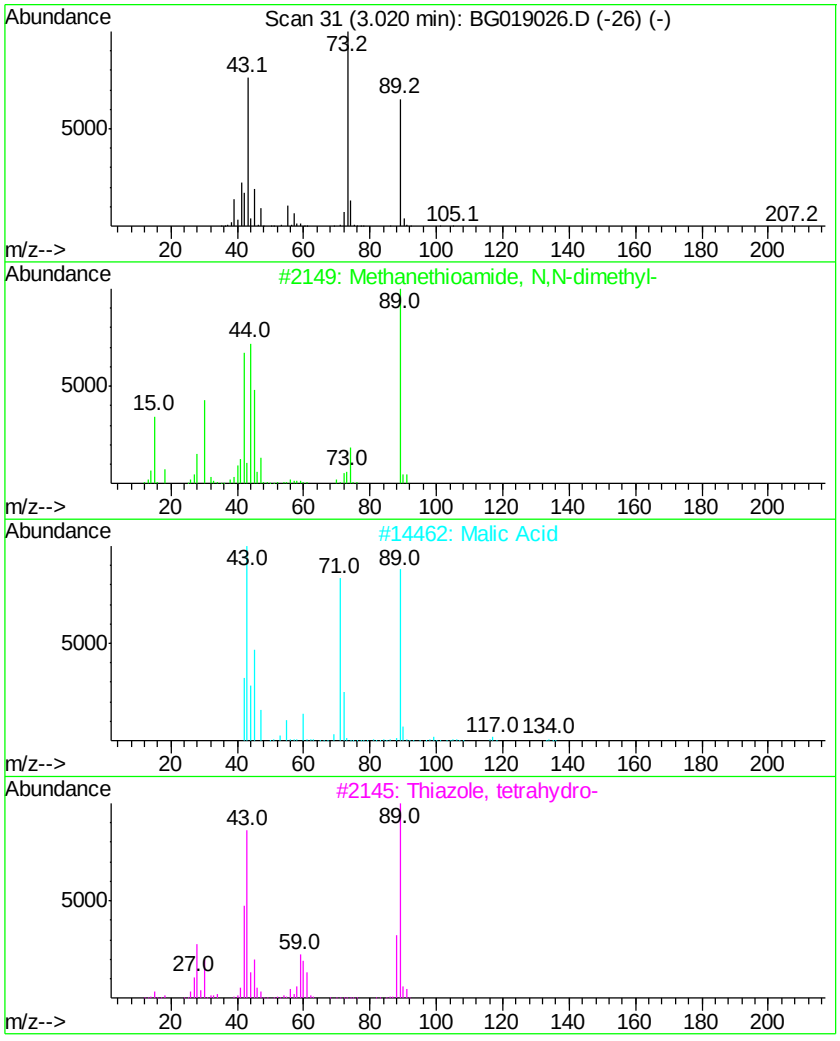
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

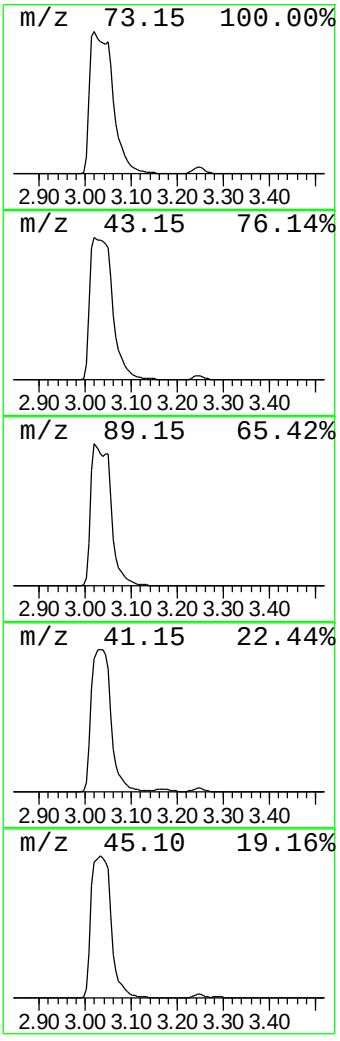
****

Peak Number 1 unknown-01 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.02	1512.76 ng/ul	15242500	1,4-Dichlorobenzene-d4	8.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methanethioamide, N,N-dimethyl-	89	C3H7NS	000758-16-7	32
2	Malic Acid	134	C4H6O5	006915-15-7	28
3	Thiazole, tetrahydro-	89	C3H7NS	000504-78-9	28
4	N-Methoxydiacetamide	131	C5H9NO3	128459-09-6	23
5	Acetamide, N-methyl-	73	C3H7NO	000079-16-3	16





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG100515\
Data File : BG019026.D
Acq On : 5 Oct 2015 13:19
Operator : UM/NP
Sample : G3797-06
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9G55

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG100415.M
Quant Title : SVOA CALIBRATION

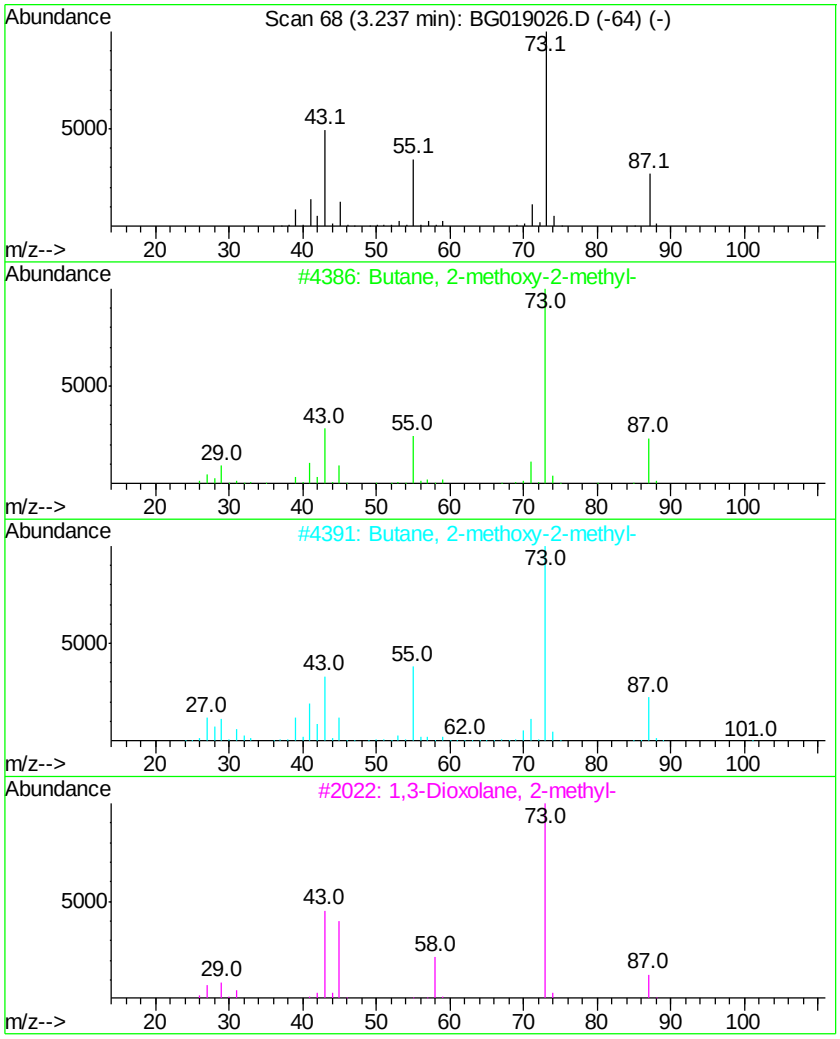
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

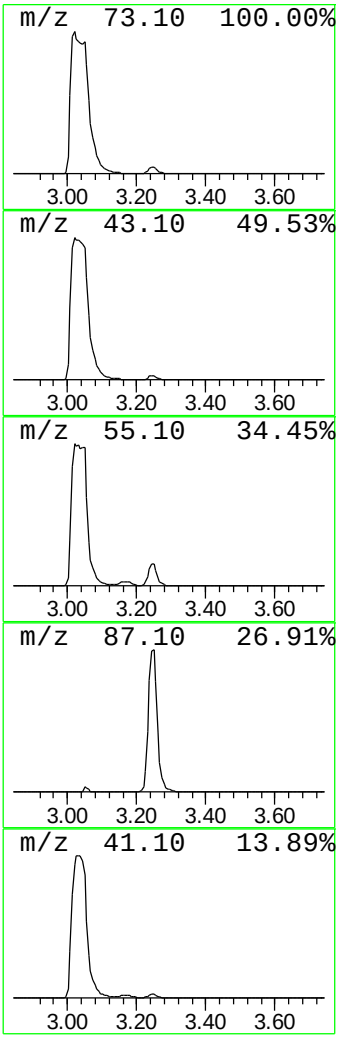
****

Peak Number 3 Butane, 2-methoxy-2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.24	44.28 ng/ul	446145	1,4-Dichlorobenzene-d4	8.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	72
2	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	72
3	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	28
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	12
5	N-Ethylformamide	73	C3H7NO	000627-45-2	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG100515\
Data File : BG019026.D
Acq On : 5 Oct 2015 13:19
Operator : UM/NP
Sample : G3797-06
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9G55

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG100415.M
Quant Title : SVOA CALIBRATION

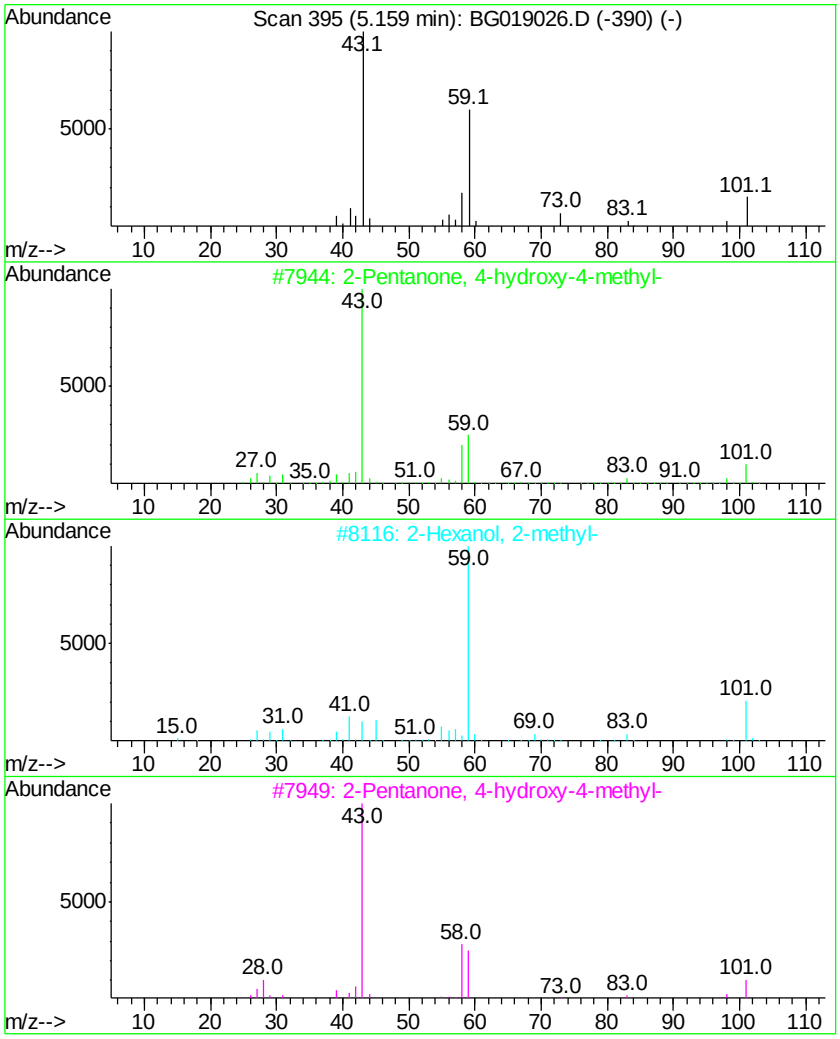
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

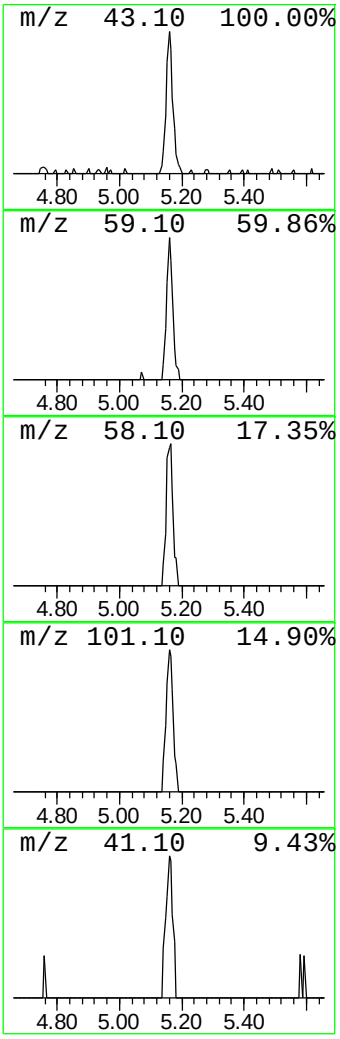
****

Peak Number 4 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.16	2.19 ng/ul	22064	1,4-Dichlorobenzene-d4	8.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	53
2	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	50
3	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	43
4	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	38
5	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	38





Data Path : Z:\HPCHEM1\BNA G\DATA\BG100515\
Data File : BG019026.D
Acq On : 5 Oct 2015 13:19
Operator : UM/NP
Sample : G3797-06
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9G55

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG100415.M
Quant Title : SVOA CALIBRATION

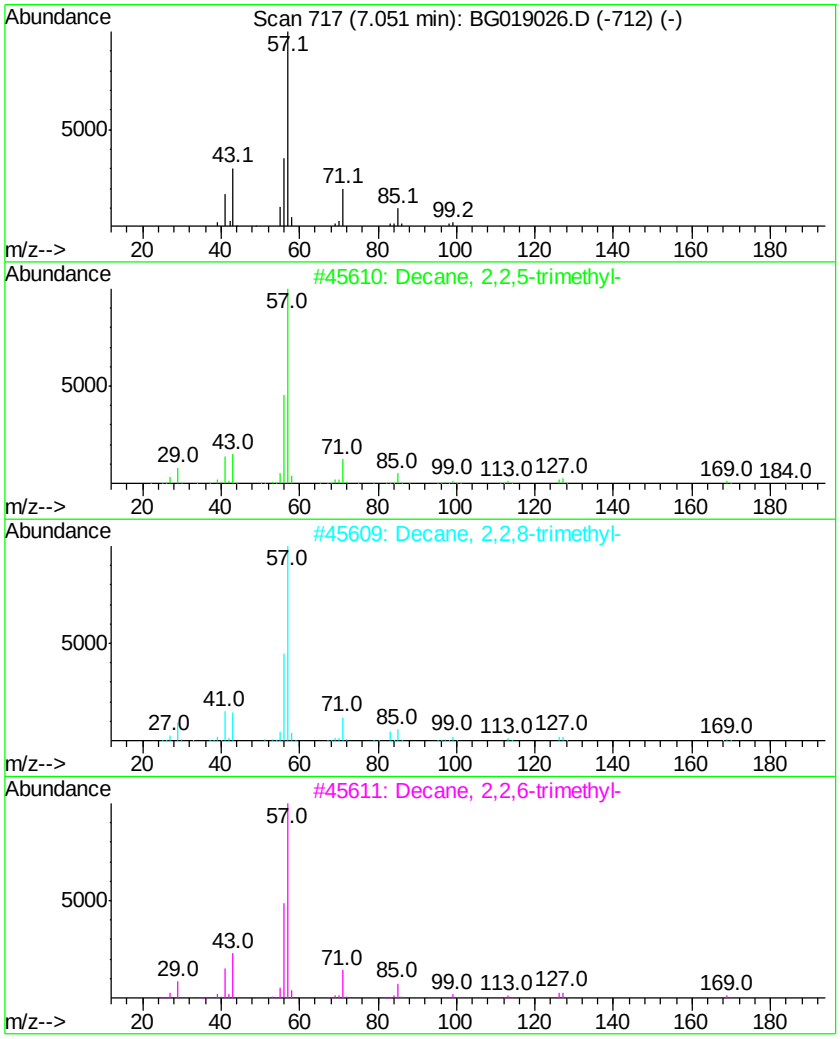
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

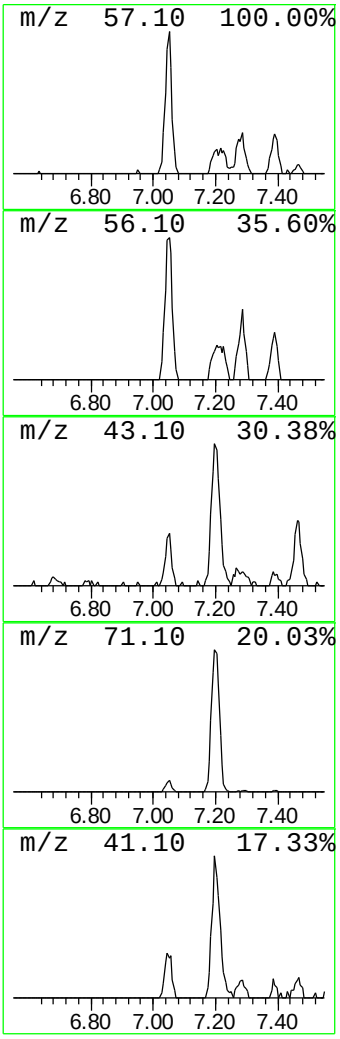
****

Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.05	2.79 ng/ul	28112	1,4-Dichlorobenzene-d4	8.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 2,2,5-trimethyl-	184	C13H28	062237-96-1	78
2	Decane, 2,2,8-trimethyl-	184	C13H28	062238-01-1	78
3	Decane, 2,2,6-trimethyl-	184	C13H28	062237-97-2	64
4	Octane, 2,5,6-trimethyl-	156	C11H24	062016-14-2	64
5	Dodecane, 2,2,11,11-tetramethyl-	226	C16H34	127204-12-0	53





Data Path : Z:\HPCHEM1\BNA G\DATA\BG100515\
Data File : BG019026.D
Acq On : 5 Oct 2015 13:19
Operator : UM/NP
Sample : G3797-06
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9G55

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG100415.M
Quant Title : SVOA CALIBRATION

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

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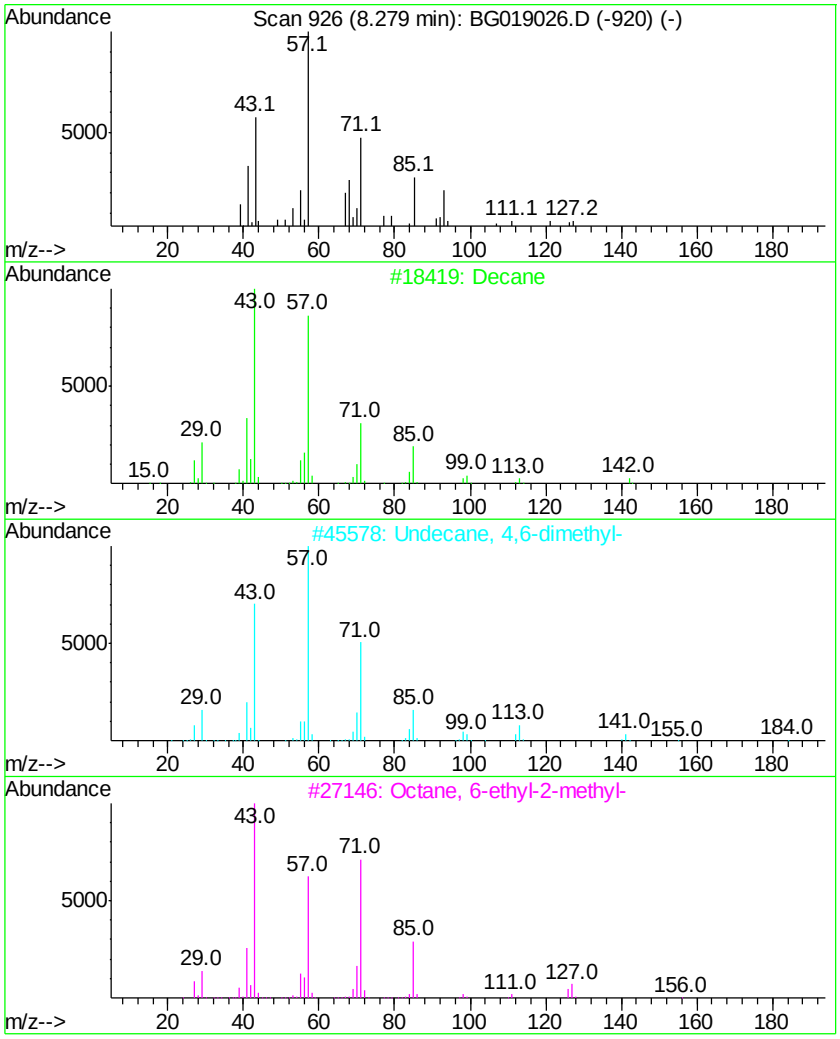
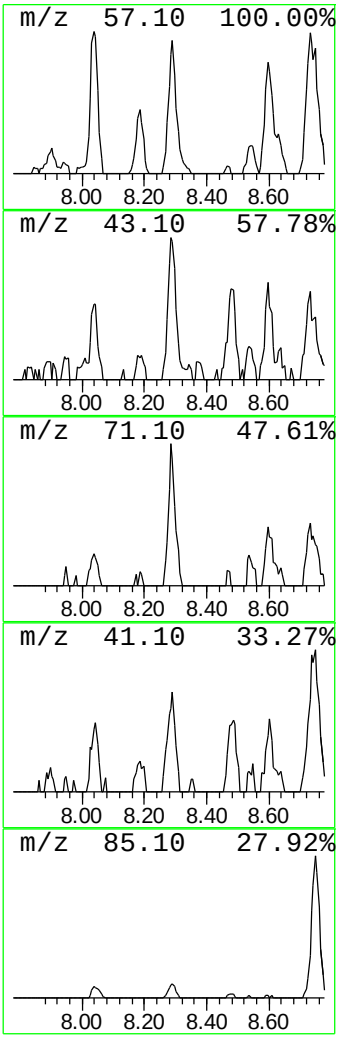
Peak Number 6 (DEL) Alkane: Cyclic8.28 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.28	3.45 ng/ul	34756	1,4-Dichlorobenzene-d4	8.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane	142	C10H22	000124-18-5	53
2	Undecane, 4,6-dimethyl-	184	C13H28	017312-82-2	50
3	Octane, 6-ethyl-2-methyl-	156	C11H24	062016-19-7	50
4	Decane, 2,5,9-trimethyl-	184	C13H28	062108-22-9	47
5	Tridecane	184	C13H28	000629-50-5	42





Data Path : Z:\HPCHEM1\BNA G\DATA\BG100515\
Data File : BG019026.D
Acq On : 5 Oct 2015 13:19
Operator : UM/NP
Sample : G3797-06
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9G55

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG100415.M
Quant Title : SVOA CALIBRATION

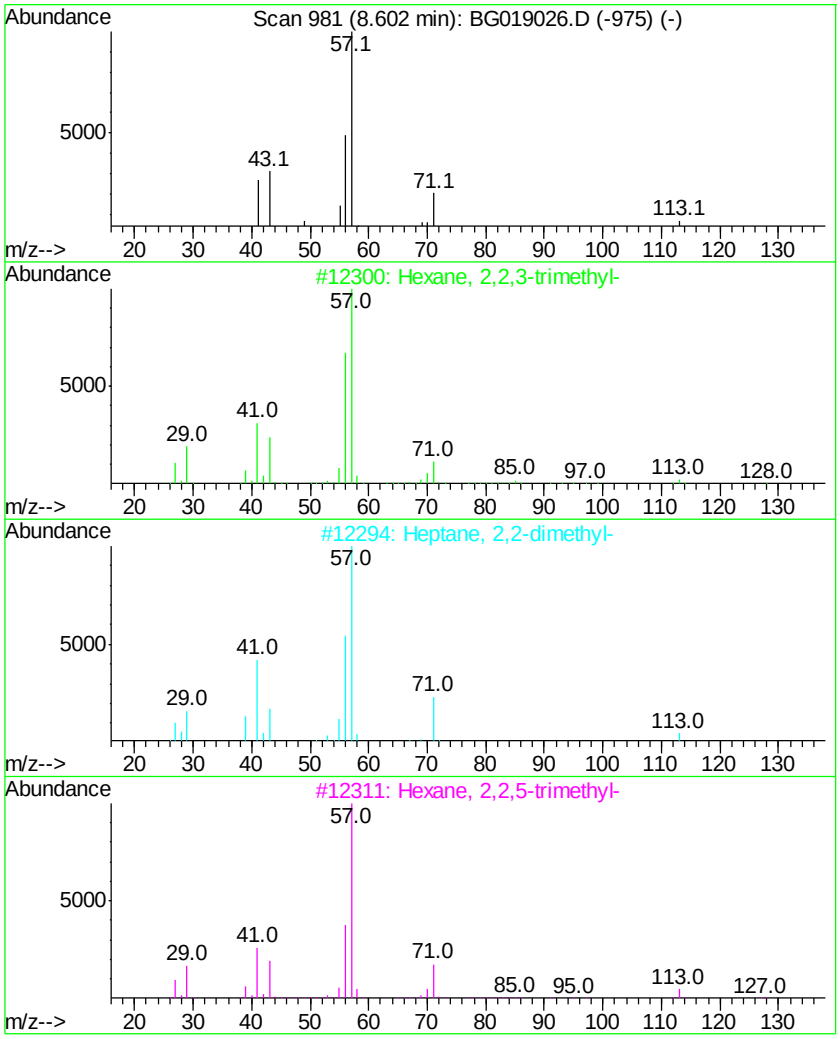
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

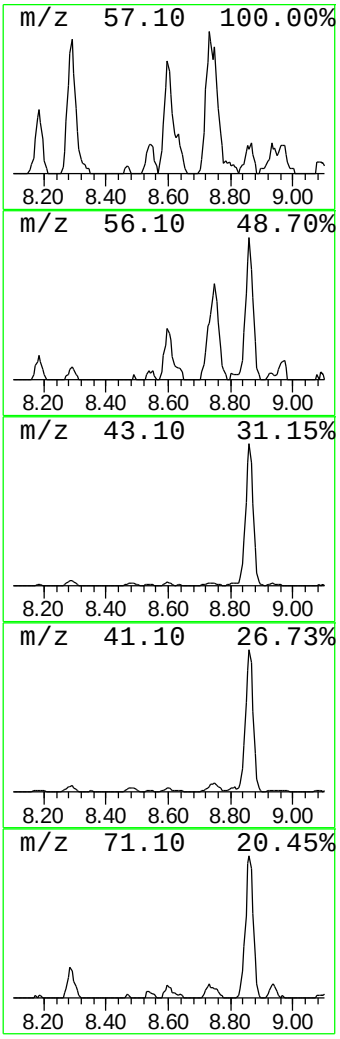
****

Peak Number 7 (DEL) Alkane: Cyclic8.60 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.60	2.25 ng/ul	22668	1,4-Dichlorobenzene-d4	8.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,2,3-trimethyl-	128	C9H20	016747-25-4	72
2	Heptane, 2,2-dimethyl-	128	C9H20	001071-26-7	72
3	Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	56
4	Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	56
5	Hexane, 2,2,4-trimethyl-	128	C9H20	016747-26-5	56





Data Path : Z:\HPCHEM1\BNA G\DATA\BG100515\
Data File : BG019026.D
Acq On : 5 Oct 2015 13:19
Operator : UM/NP
Sample : G3797-06
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9G55

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG100415.M
Quant Title : SVOA CALIBRATION

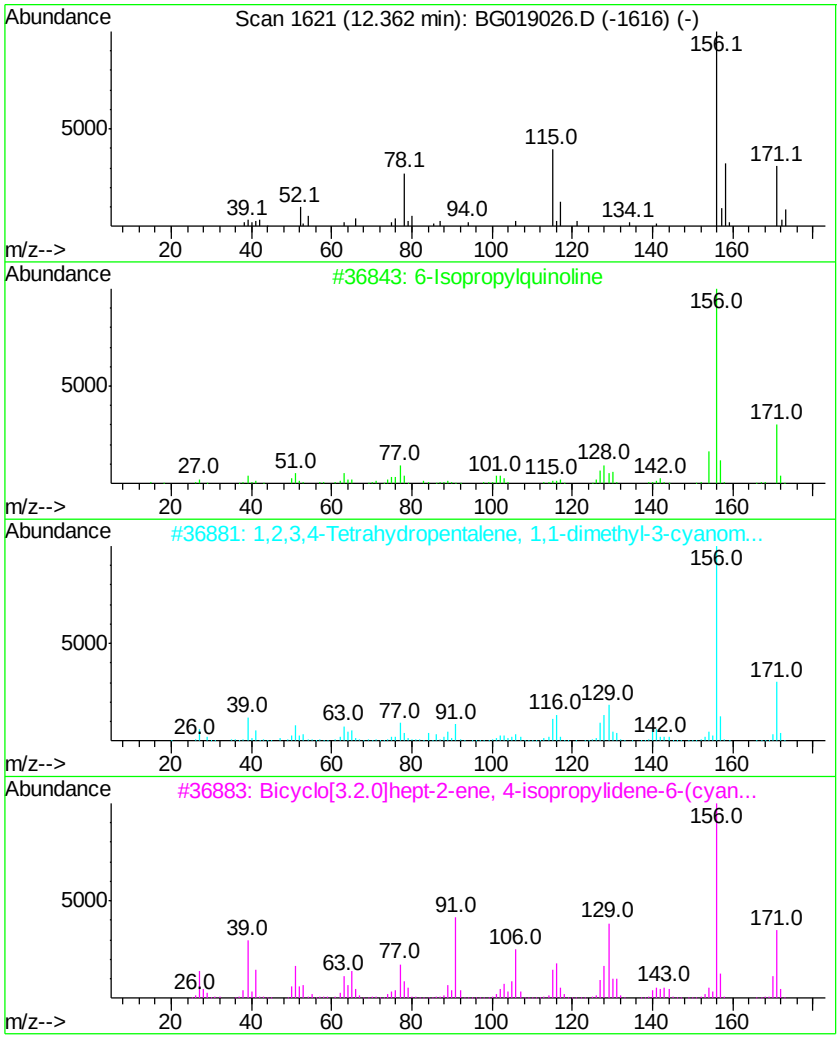
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

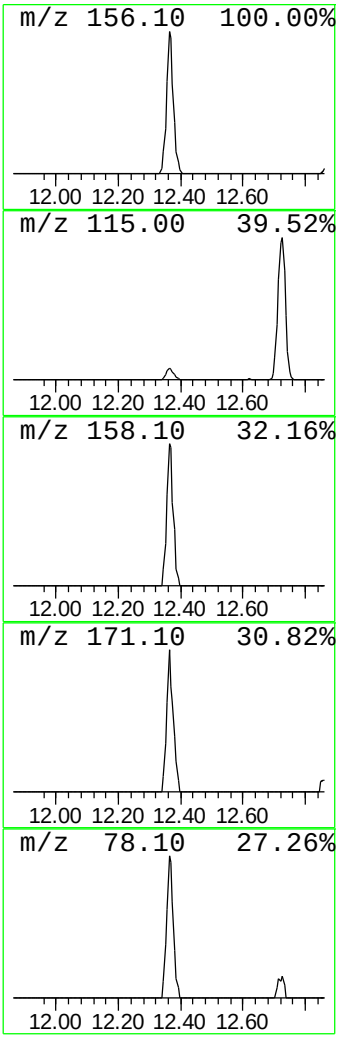
****

Peak Number 8 unknown-02 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.36	3.29 ng/ul	49517	Naphthalene-d8	10.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6-Isopropylquinoline	171	C12H13N	000135-79-5	43
2	1,2,3,4-Tetrahydropentalene, 1,1...	171	C12H13N	1000217-18-6	43
3	Bicyclo[3.2.0]hept-2-ene, 4-isop...	171	C12H13N	1000217-15-6	32
4	1,3-Diaza-5,6-dedihydrocyclohexa...	171	C6H9N3OS	021263-85-4	23
5	2-Chloro-5-hydroxy-2,4,6-cyclohe...	156	C7H5ClO2	007009-16-7	23





Data Path : Z:\HPCHEM1\BNA G\DATA\BG100515\
Data File : BG019026.D
Acq On : 5 Oct 2015 13:19
Operator : UM/NP
Sample : G3797-06
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9G55

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG100415.M
Quant Title : SVOA CALIBRATION

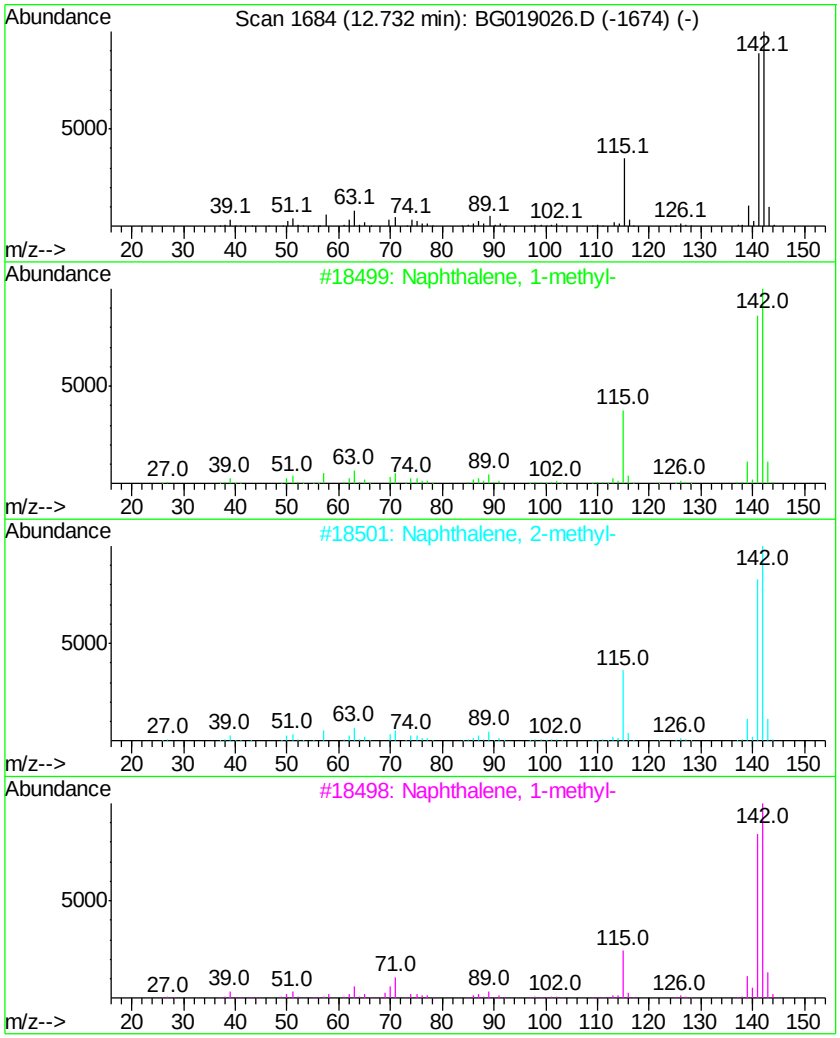
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

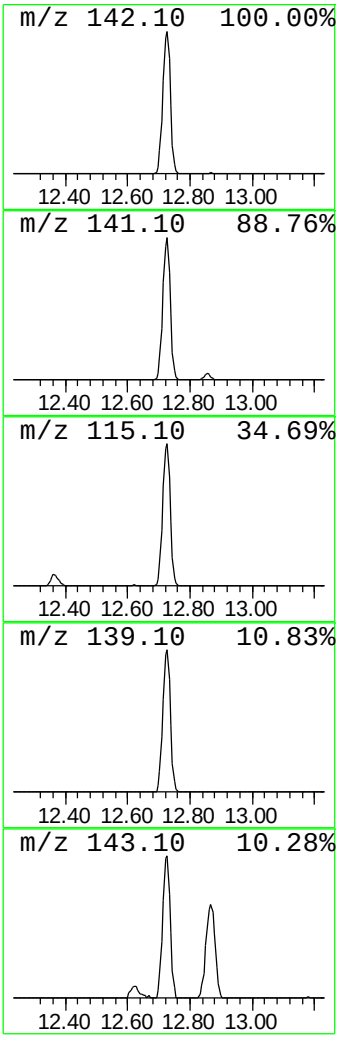
****

Peak Number 9 Naphthalene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.73	50.54 ng/ul	760478	Naphthalene-d8	10.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	97
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	97
3	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91
4	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91
5	Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	91





Data Path : Z:\HPCHEM1\BNA G\DATA\BG100515\
Data File : BG019026.D
Acq On : 5 Oct 2015 13:19
Operator : UM/NP
Sample : G3797-06
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9G55

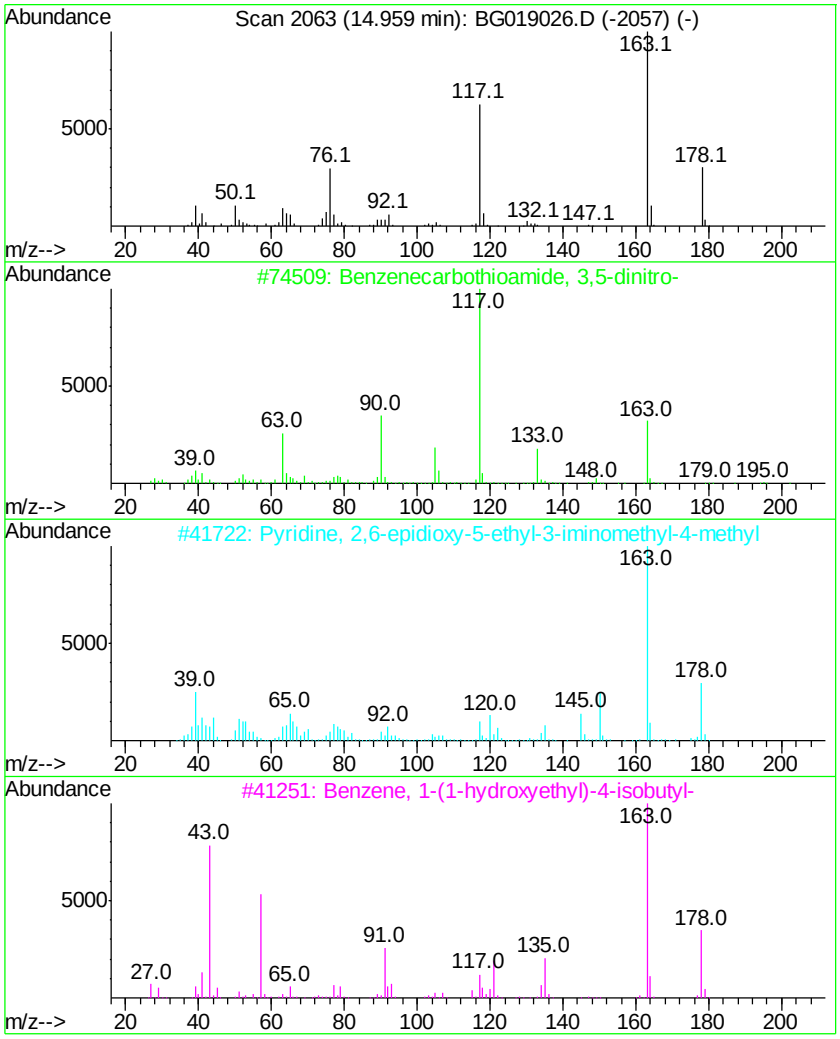
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG100415.M
Quant Title : SVOA CALIBRATION

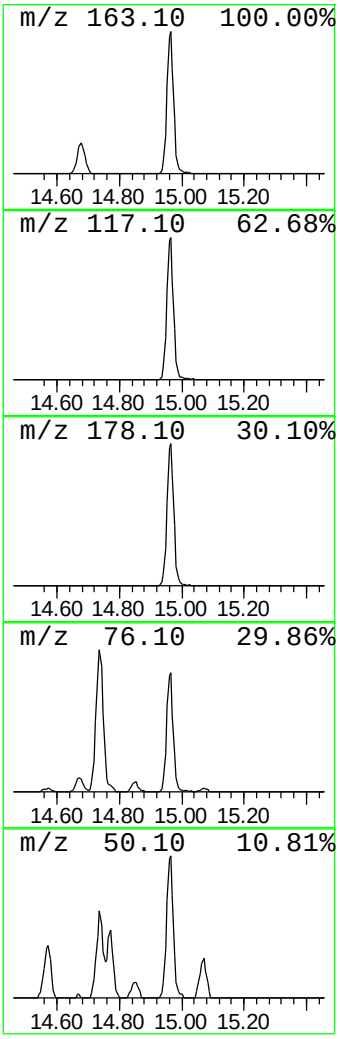
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Benzenecarbothioamide, 3,5-... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.96	19.04 ng/ul	384998	Acenaphthene-d10	14.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzenecarbothioamide, 3,5-dinitro-	227	C7H5N3O4S	037773-67-4	53
2	Pyridine, 2,6-epidioxy-5-ethyl-3...	178	C9H10N2O2	1000263-31-1	50
3	Benzene, 1-(1-hydroxyethyl)-4-is...	178	C12H18O	040150-92-3	50
4	Ethanone, 1-(2,3-dihydro-1,4-ben...	178	C10H10O3	002879-20-1	46
5	Ethanone, 1-(2,3-dihydro-1,4-ben...	178	C10H10O3	002879-20-1	43





Data Path : Z:\HPCHEM1\BNA G\DATA\BG100515\
Data File : BG019026.D
Acq On : 5 Oct 2015 13:19
Operator : UM/NP
Sample : G3797-06
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9G55

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG100415.M
Quant Title : SVOA CALIBRATION

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

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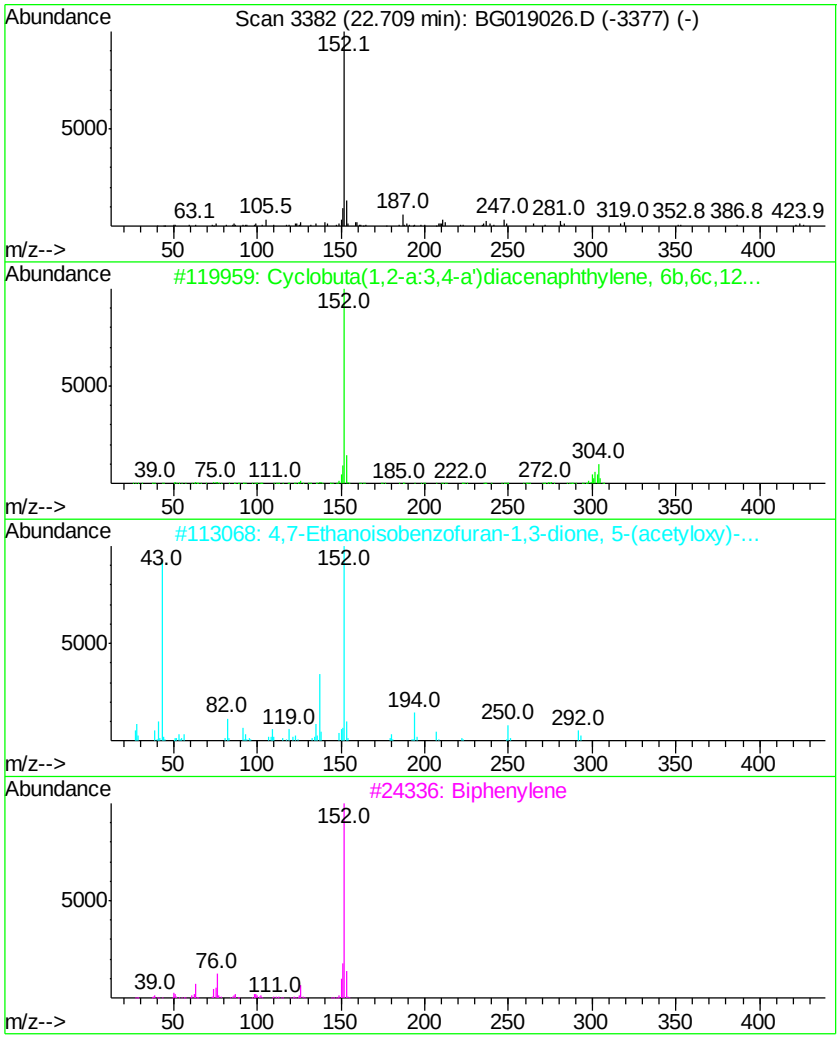
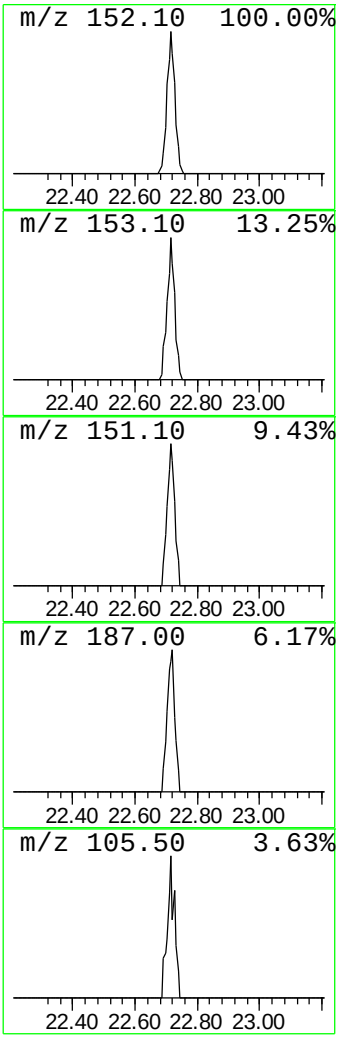
Peak Number 11 Cyclobuta(1,2-a:3,4-a')diac... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.71	3.40 ng/ul	112369	Chrysene-d12	21.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclobuta(1,2-a:3,4-a')diacenaph...	304	C24H16	007259-03-2	72
2	4,7-Ethanoisobenzofuran-1,3-dion...	292	C16H20O5	052918-78-2	40
3	Biphenylene	152	C12H8	000259-79-0	38
4	N,N,N',N'-Tetraethyl-1,2-di-fura...	304	C18H28N2O2	094533-62-7	38
5	Acenaphthylene	152	C12H8	000208-96-8	38





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG100515\
Data File : BG019026.D
Acq On : 5 Oct 2015 13:19
Operator : UM/NP
Sample : G3797-06
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9G55

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG100415.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	3.02	1512.8	ng/ul	15242500	1	8.05	201519	20.0
Butane, 2-methoxy...	3.24	44.3	ng/ul	446145	1	8.05	201519	20.0
2-Pentanone, 4-hy...	5.16	2.2	ng/ul	22064	1	8.05	201519	20.0
(DEL) Alkane: Str...	7.05	2.8	ng/ul	28112	1	8.05	201519	20.0
(DEL) Alkane: Cyc...	8.28	3.5	ng/ul	34756	1	8.05	201519	20.0
(DEL) Alkane: Cyc...	8.60	2.3	ng/ul	22668	1	8.05	201519	20.0
unknown-02	12.36	3.3	ng/ul	49517	2	10.85	300913	20.0
Naphthalene, 1-me...	12.73	50.5	ng/ul	760478	2	10.85	300913	20.0
Benzenecarbothioa...	14.96	19.0	ng/ul	384998	3	14.67	404359	20.0
Cyclobuta(1,2-a:3...	22.71	3.4	ng/ul	112369	5	21.67	661380	20.0