LSC Area Percent Report

Data Path : S:\HPCHEM1\BNA_G\DATA\BG031016\
Data File : BG021407.D
Acq On : 10 Mar 2016 14:16
Operator : UM/SJ
Sample : H1616-06
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BLDG06-P003-SS001-01

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-BG031016.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	3.032	30	33	40	rVB3	4278	6286	0.16%	0.028%
2	3.185	54	59	67	rVV	9561	17596	0.44%	0.079%
3	3.255	67	71	77	rVB	9060	12569	0.31%	0.056%
4	7.303	753	760	770	rVB	46949	82450	2.04%	0.369%
5	7.444	777	784	790	rBV	33869	56139	1.39%	0.251%
6	7.662	815	821	829	rBV	45336	75828	1.88%	0.339%
7	8.126	893	900	907	rVB	51456	83305	2.07%	0.373%
8	8.690	991	996	1001	rBV	4347	7392	0.18%	0.033%
9	8.843	1016	1022	1030	rVB	50596	86979	2.16%	0.389%
10	9.289	1091	1098	1108	rBV	50794	90942	2.26%	0.407%
11	10.012	1215	1221	1229	rBV	46642	83421	2.07%	0.373%
12	10.235	1252	1259	1263	rBV6	2243	4773	0.12%	0.021%
13	10.570	1309	1316	1324	rBV	64504	110806	2.75%	0.496%
14	10.935	1370	1378	1384	rBV	85558	154104	3.82%	0.690%
15	10.987	1384	1387	1394	rVB	15147	22818	0.57%	0.102%
16	11.070	1394	1401	1410	rBV	43336	78200	1.94%	0.350%
17	12.433	1628	1633	1636	rBV2	3350	5069	0.13%	0.023%
18	13.009	1726	1731	1737	rBV2	4887	7434	0.18%	0.033%
19	13.543	1816	1822	1826	rBV2	3847	5174	0.13%	0.023%
20	14.054	1905	1909	1912	rBV4	3249	4574	0.11%	0.020%
21	14.137	1912	1923	1927	rVV	136740	218965	5.43%	0.980%
22	14.184	1927	1931	1936	rVB	52260	74687	1.85%	0.334%
23	14.436	1968	1974	1980	rVB	139752	230688	5.72%	1.032%
24	14.607	1998	2003	2007	rBV2	12631	15636	0.39%	0.070%
25	14.736	2018	2025	2033	rVB2	143719	234059	5.80%	1.047%
26	14.942	2055	2060	2063	rBV4	5710	8578	0.21%	0.038%
27	14.983	2063	2067	2074	rVV	23271	45011	1.12%	0.201%
28	15.041	2074	2077	2084	rVV5	5752	12811	0.32%	0.057%
29	15.100	2084	2087	2090	rVV5	4306	6785	0.17%	0.030%
30	15.141	2090	2094	2101	rVB7	7525	17069	0.42%	0.076%
31	15.218	2101	2107	2115	rBV9	6129	16311	0.40%	0.073%
32	15.288	2115	2119	2124	rBV4	5033	7345	0.18%	0.033%
33	15.553	2160	2164	2169	rVB	29567	37931	0.94%	0.170%
34	15.723	2187	2193	2200	rBV	186519	283975	7.04%	1.271%

LSC Area Percent Report

Data Path : S:\HPCHEM1\BNA_G\DATA\BG031016\
Data File : BG021407.D
Acq On : 10 Mar 2016 14:16
Operator : UM/SJ
Sample : H1616-06
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BLDG06-P003-SS001-01

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-BG031016.M
Title : SVOA CALIBRATION

35	15.841	2208	2213	2218	rBV2	31975	46091	1.14%	0.206%
36	15.952	2230	2232	2236	rVB4	5560	6501	0.16%	0.029%
37	15.999	2237	2240	2245	rVB6	7627	10215	0.25%	0.046%
38	16.410	2306	2310	2312	rBV2	18447	22891	0.57%	0.102%
39	17.204	2442	2445	2448	rBV3	9300	11705	0.29%	0.052%
40	17.474	2486	2491	2496	rBV2	163106	248821	6.17%	1.113%
41	17.574	2503	2508	2517	rBV	182323	278160	6.90%	1.245%
42	19.853	2891	2896	2909	rBV2	261663	529002	13.12%	2.367%
43	22.086	3269	3276	3281	rBV	487892	1254499	31.11%	5.613%
44	22.139	3281	3285	3290	rVB	551905	822833	20.41%	3.682%
45	22.233	3297	3301	3315	rVB	694715	1213807	30.10%	5.431%
46	22.392	3319	3328	3332	rBV	1351768	4032502	100.00%	18.043%
47	22.515	3344	3349	3361	rVB	1029683	1874197	46.48%	8.386%
48	22.674	3371	3376	3379	rBV	687809	1195557	29.65%	5.349%
49	22.721	3380	3384	3396	rVB	1000155	1805549	44.77%	8.079%
50	22.938	3416	3421	3428	rVB	786565	1422218	35.27%	6.364%
51	23.244	3467	3473	3484	rVB	1522950	3012781	74.71%	13.480%
52	23.408	3495	3501	3509	rVB	1191124	2356313	58.43%	10.543%

Sum of corrected areas: 22349352

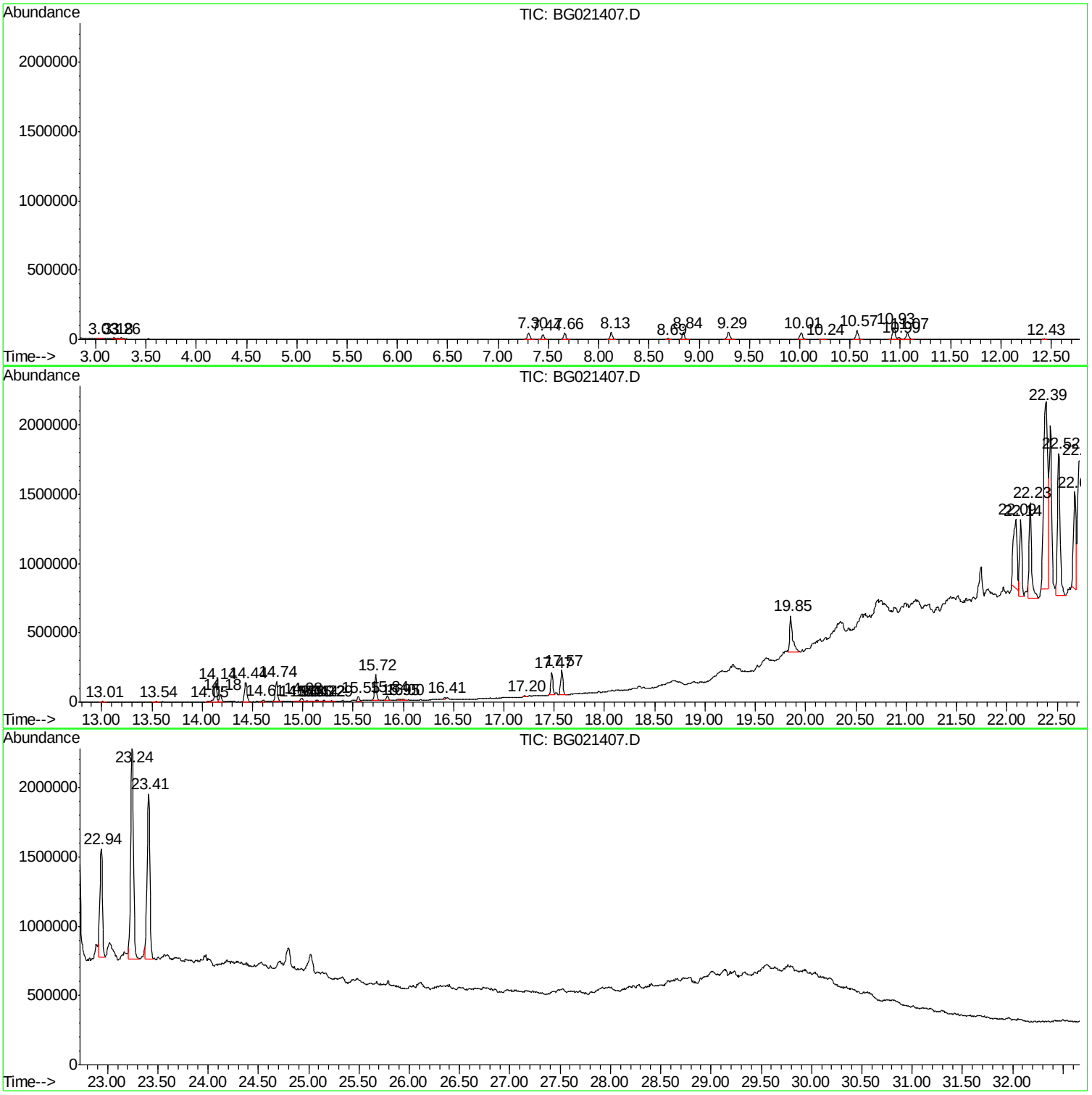
LSC Report - Integrated Chromatogram

Data Path : S:\HPCHEM1\BNA_G\DATA\BG031016\
Data File : BG021407.D
Acq On : 10 Mar 2016 14:16
Operator : UM/SJ
Sample : H1616-06
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BLDG06-P003-SS001-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG031016.M
Quant Title : SVOA CALIBRATION

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



Data Path : S:\HPCHEM1\BNA_G\DATA\BG031016\
Data File : BG021407.D
Acq On : 10 Mar 2016 14:16
Operator : UM/SJ
Sample : H1616-06
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BLDG06-P003-SS001-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG031016.M
Quant Title : SVOA CALIBRATION

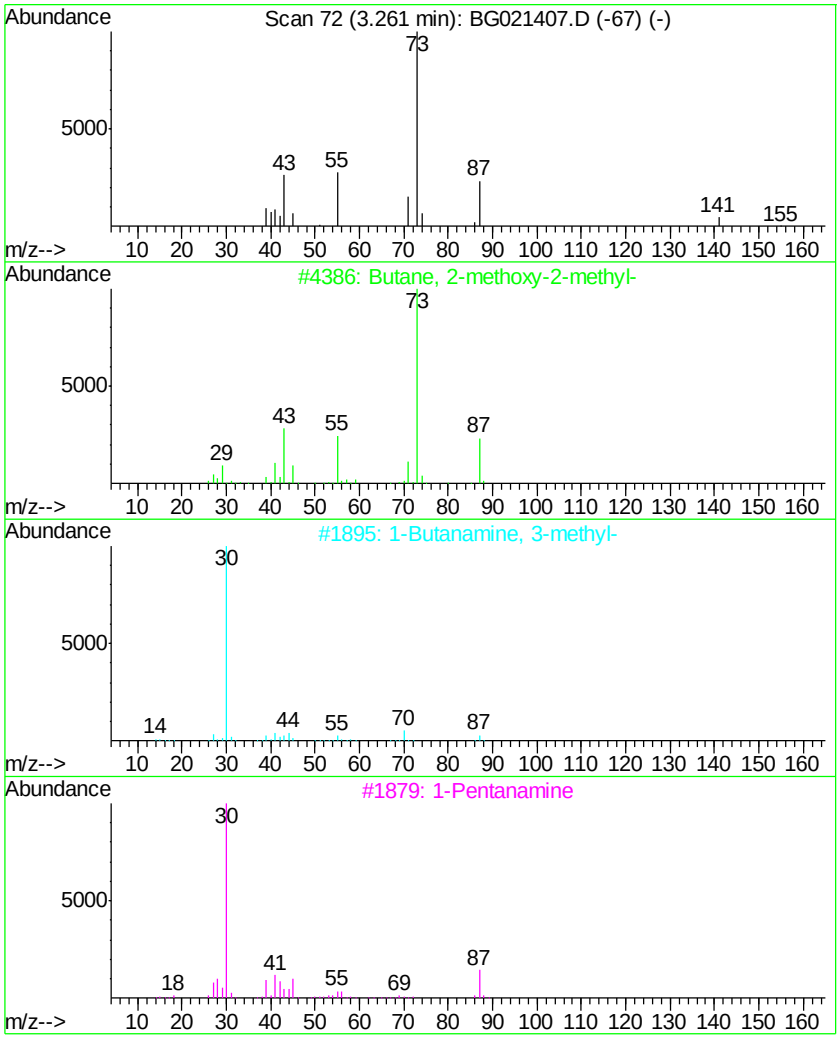
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

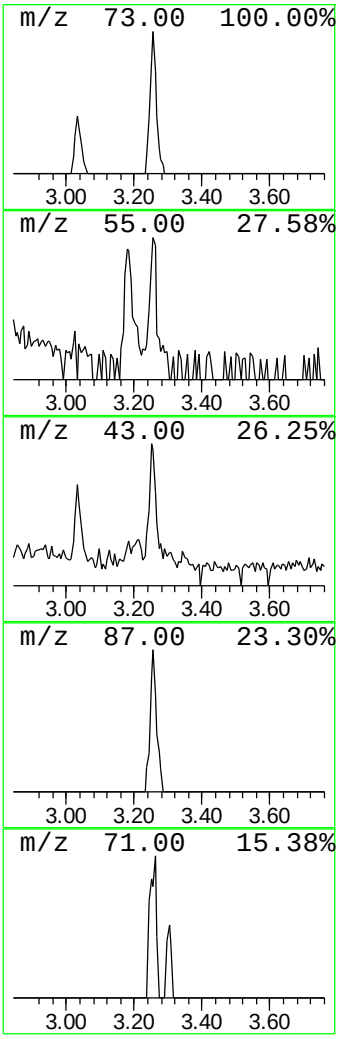
****

Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.26	3.02 ng/ul	12569	1,4-Dichlorobenzene-d4	8.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	64
2	1-Butanamine, 3-methyl-	87	C5H13N	000107-85-7	7
3	1-Pentanamine	87	C5H13N	000110-58-7	5
4	1-Pentanamine	87	C5H13N	000110-58-7	4
5	1-Butanamine, 3-methyl-	87	C5H13N	000107-85-7	4





Library Search Compound Report

Data Path : S:\HPCHEM1\BNA_G\DATA\BG031016\
Data File : BG021407.D
Acq On : 10 Mar 2016 14:16
Operator : UM/SJ
Sample : H1616-06
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BLDG06-P003-SS001-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG031016.M
Quant Title : SVOA CALIBRATION

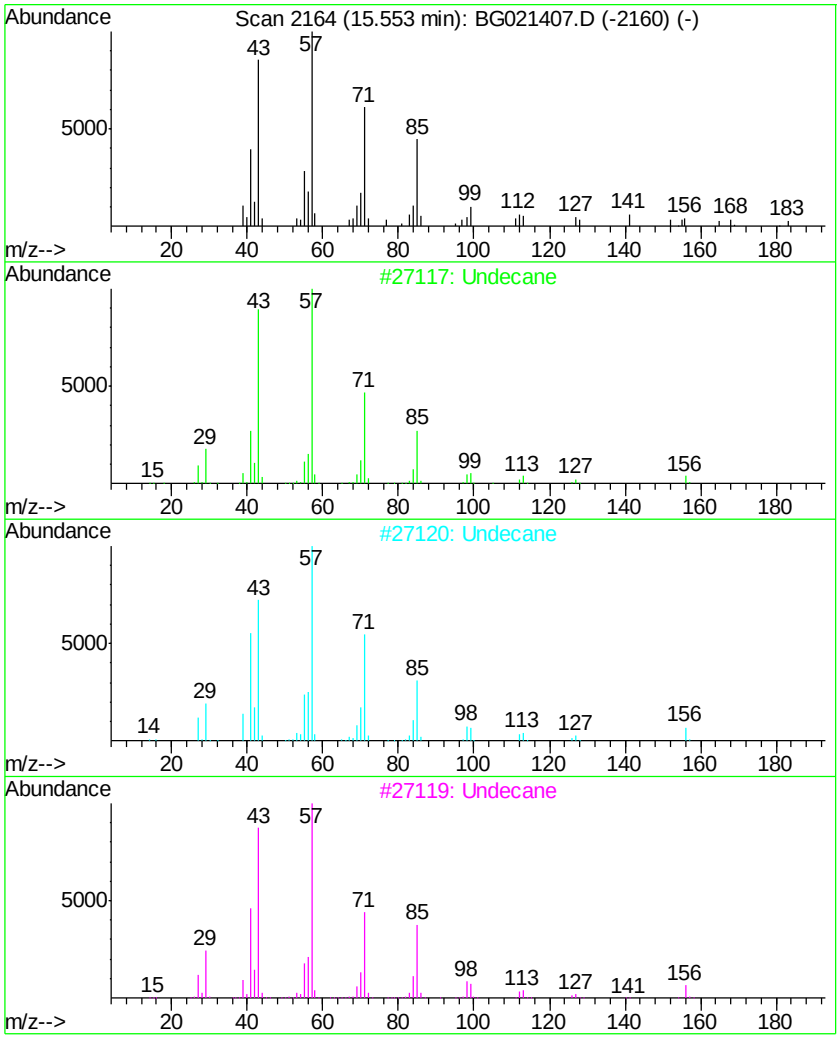
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

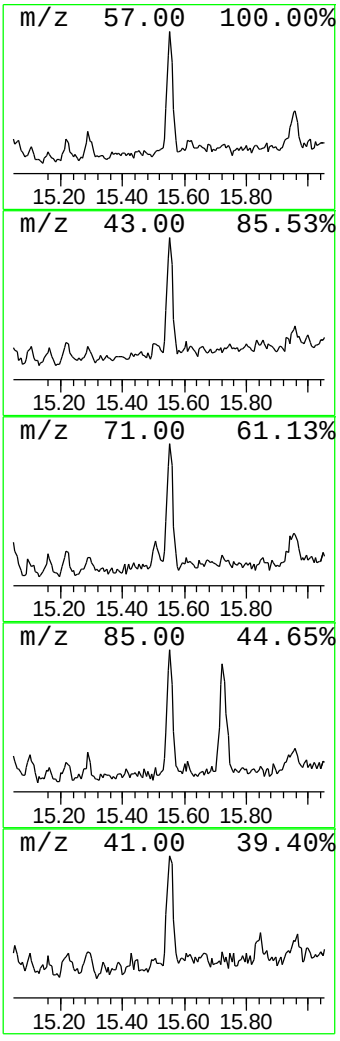
****

Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.55	3.24 ng/ul	37931	Acenaphthene-d10	14.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane	156	C11H24	001120-21-4	93
2	Undecane	156	C11H24	001120-21-4	90
3	Undecane	156	C11H24	001120-21-4	87
4	Pentadecane	212	C15H32	000629-62-9	86
5	Tetratetracontane	619	C44H90	007098-22-8	86





Library Search Compound Report

Data Path : S:\HPCHEM1\BNA_G\DATA\BG031016\
Data File : BG021407.D
Acq On : 10 Mar 2016 14:16
Operator : UM/SJ
Sample : H1616-06
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BLDG06-P003-SS001-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG031016.M
Quant Title : SVOA CALIBRATION

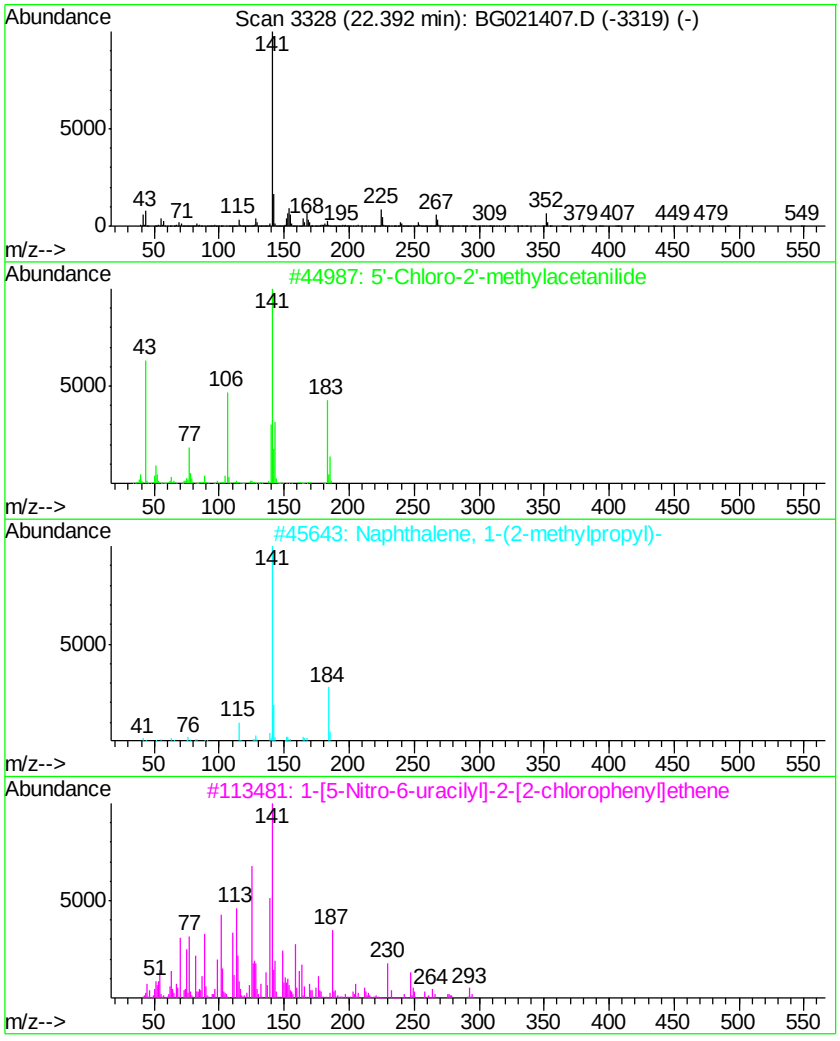
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

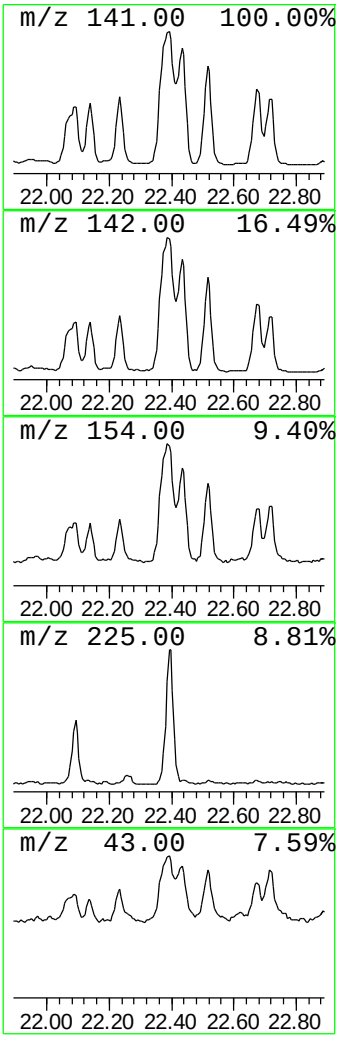
****

Peak Number 7 unknown-01 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.39	64.29 ng/ul	4032500	Chrysene-d12	21.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5'-Chloro-2'-methylacetanilide	183	C9H10ClNO	005900-55-0	36
2	Naphthalene, 1-(2-methylpropyl)-	184	C14H16	016727-91-6	36
3	1-[5-Nitro-6-uracilyl]-2-[2-chlo...	293	C12H8ClN3O4	296798-53-3	28
4	2,6-Difluorobenzoic acid, 3-meth...	226	C12H12F2O2	1000292-58-2	9
5	Razoxane	268	C11H16N4O4	021416-87-5	9





Data Path : S:\HPCHEM1\BNA_G\DATA\BG031016\
Data File : BG021407.D
Acq On : 10 Mar 2016 14:16
Operator : UM/SJ
Sample : H1616-06
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BLDG06-P003-SS001-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG031016.M
Quant Title : SVOA CALIBRATION

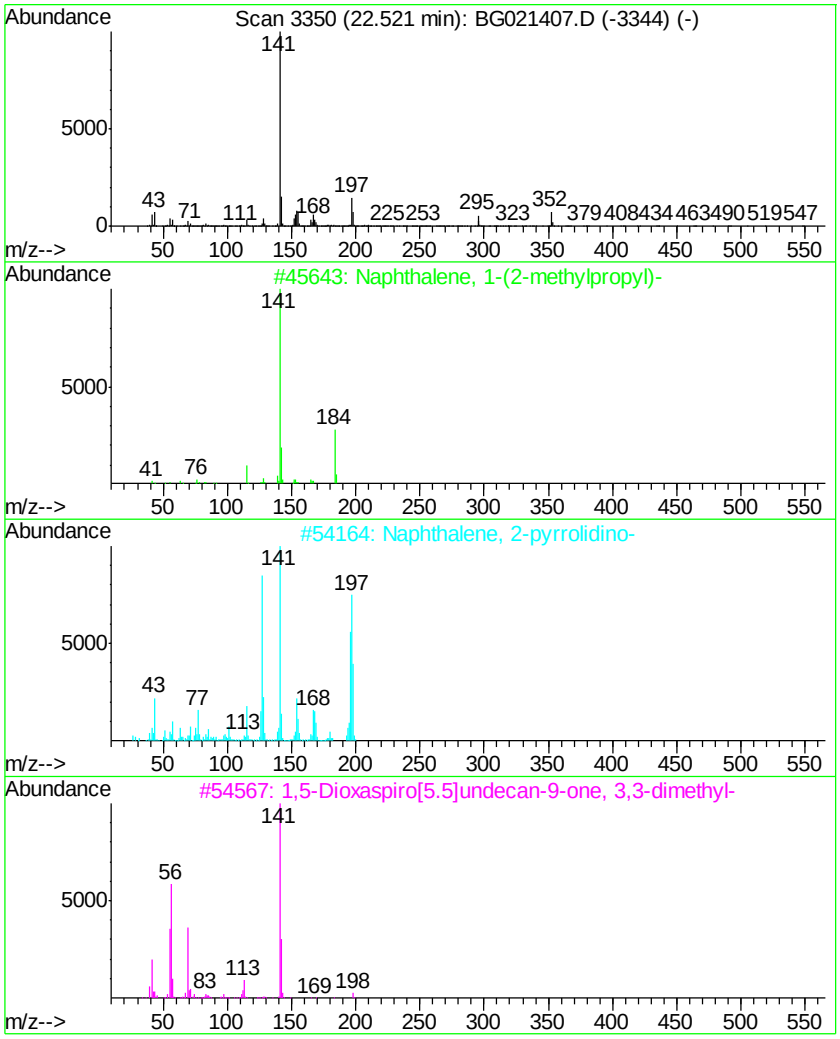
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

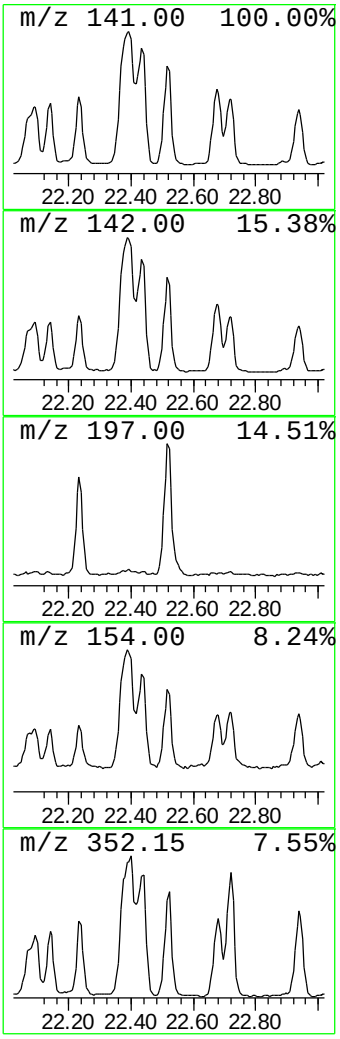
****

Peak Number 8 Naphthalene, 1-(2-methylpro... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.52	29.88 ng/ul	1874200	Chrysene-d12	21.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-(2-methylpropyl)-	184	C14H16	016727-91-6	53
2	Naphthalene, 2-pyrrolidino-	197	C14H15N	013672-14-5	11
3	1,5-Dioxaspiro[5.5]undecan-9-one...	198	C11H18O3	069225-59-8	9
4	2-Furanpropanoic acid, tetrahydr...	298	C18H18O4	055760-28-6	9
5	1-[2-Butyl-3-(1-chlorovinyl)-2-c...	232	C15H17Cl	1000261-30-1	9





Library Search Compound Report

Data Path : S:\HPCHEM1\BNA_G\DATA\BG031016\
Data File : BG021407.D
Acq On : 10 Mar 2016 14:16
Operator : UM/SJ
Sample : H1616-06
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BLDG06-P003-SS001-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG031016.M
Quant Title : SVOA CALIBRATION

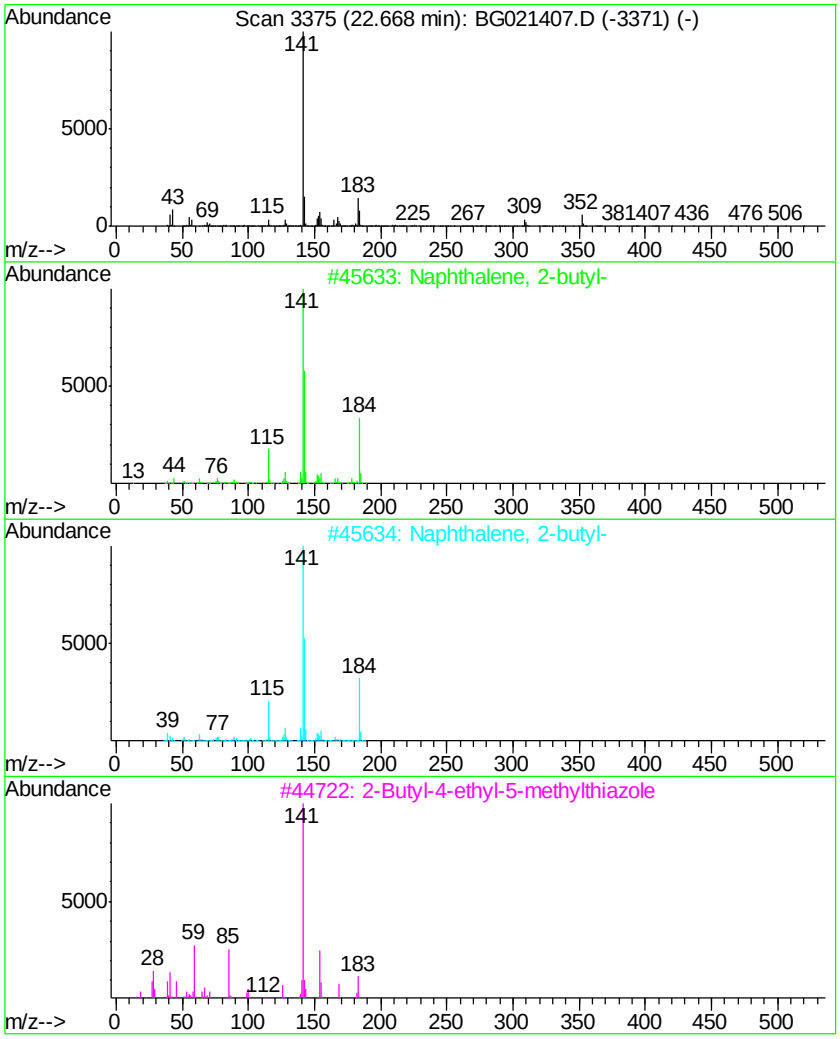
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

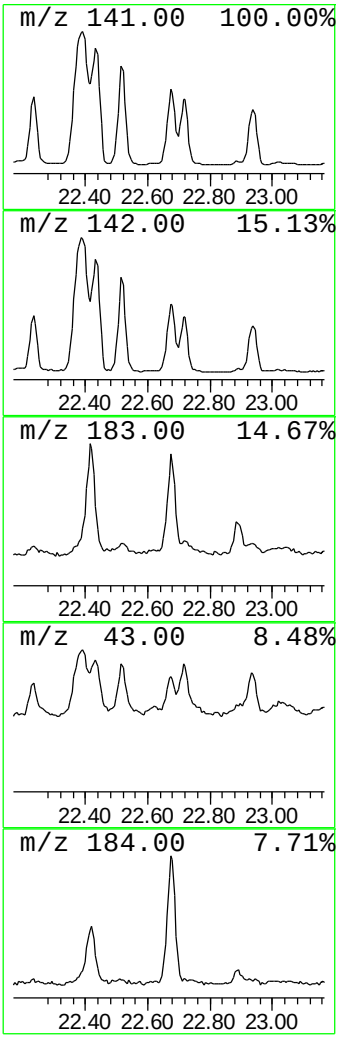
****

Peak Number 9 Naphthalene, 2-butyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.67	19.06 ng/ul	1195560	Chrysene-d12	21.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-butyl-	184	C14H16	001134-62-9	53
2	Naphthalene, 2-butyl-	184	C14H16	001134-62-9	12
3	2-Butyl-4-ethyl-5-methylthiazole	183	C10H17NS	052414-88-7	9
4	Methyl 8-oxo-cis-2-nonenoate	184	C10H16O3	028297-04-3	9
5	Naphthalene, 1-butyl-	184	C14H16	001634-09-9	9





Data Path : S:\HPCHEM1\BNA_G\DATA\BG031016\
Data File : BG021407.D
Acq On : 10 Mar 2016 14:16
Operator : UM/SJ
Sample : H1616-06
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BLDG06-P003-SS001-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG031016.M
Quant Title : SVOA CALIBRATION

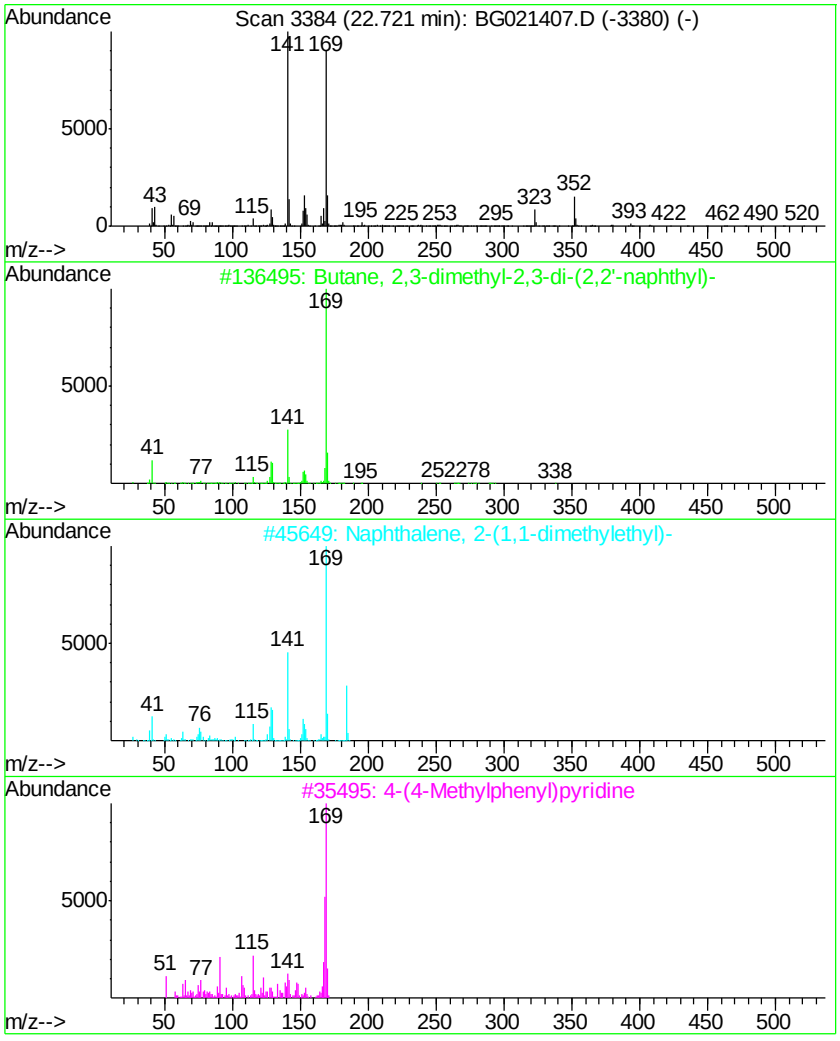
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

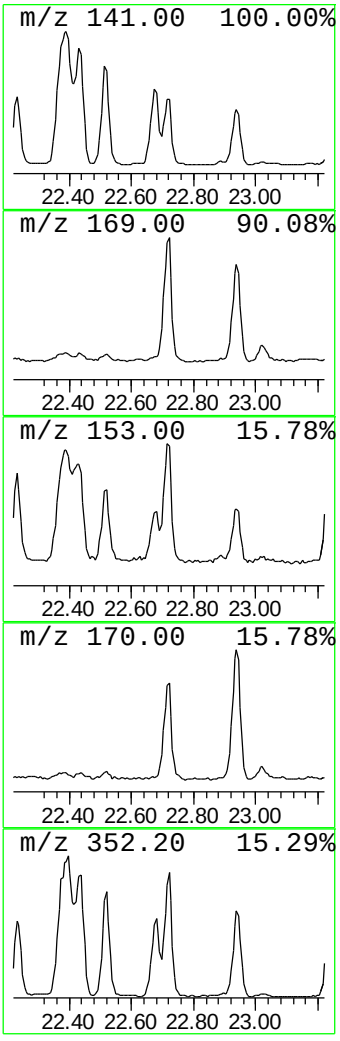
****

Peak Number 10 unknown-02 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.72	28.79 ng/ul	1805550	Chrysene-d12	21.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2,3-dimethyl-2,3-di-(2,2...	338	C26H26	1000150-93-8	42
2	Naphthalene, 2-(1,1-dimethylethyl)-	184	C14H16	002876-35-9	42
3	4-(4-Methylphenyl)pyridine	169	C12H11N	004423-10-3	38
4	1-Naphthalenepropionic acid	200	C13H12O2	003243-42-3	38
5	3-Methyl-5-phenylpyridine	169	C12H11N	010477-94-8	35





Data Path : S:\HPCHEM1\BNA_G\DATA\BG031016\
Data File : BG021407.D
Acq On : 10 Mar 2016 14:16
Operator : UM/SJ
Sample : H1616-06
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BLDG06-P003-SS001-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG031016.M
Quant Title : SVOA CALIBRATION

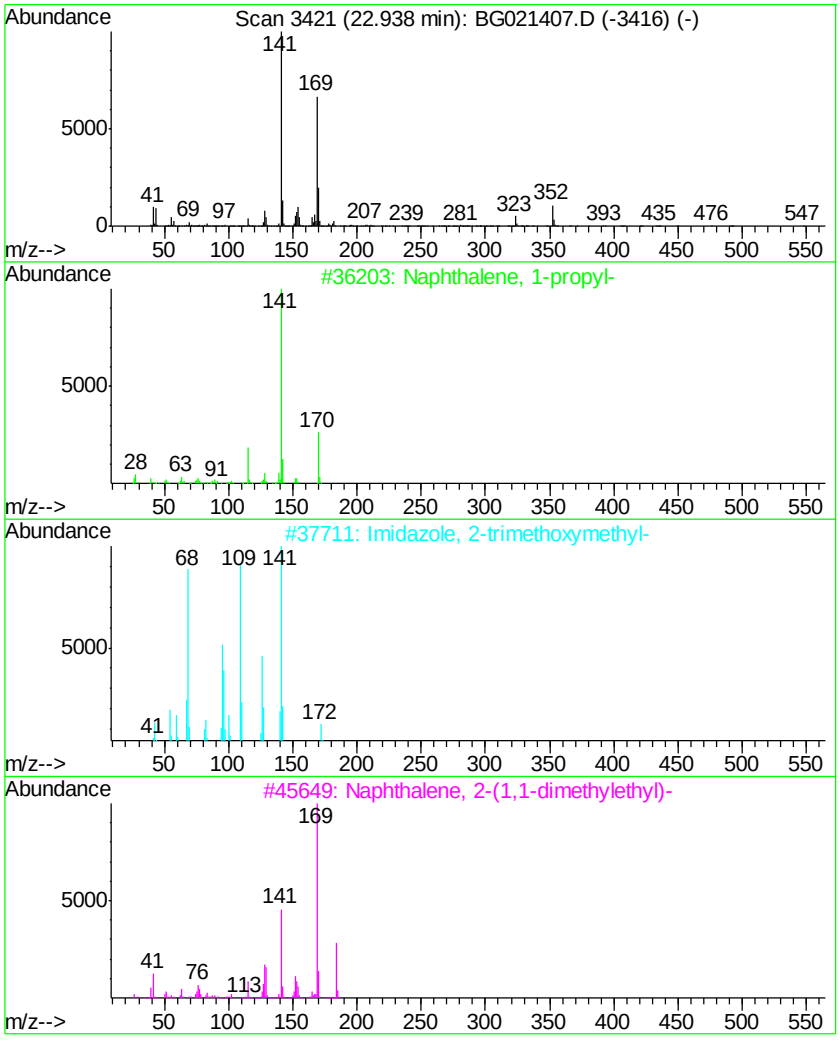
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

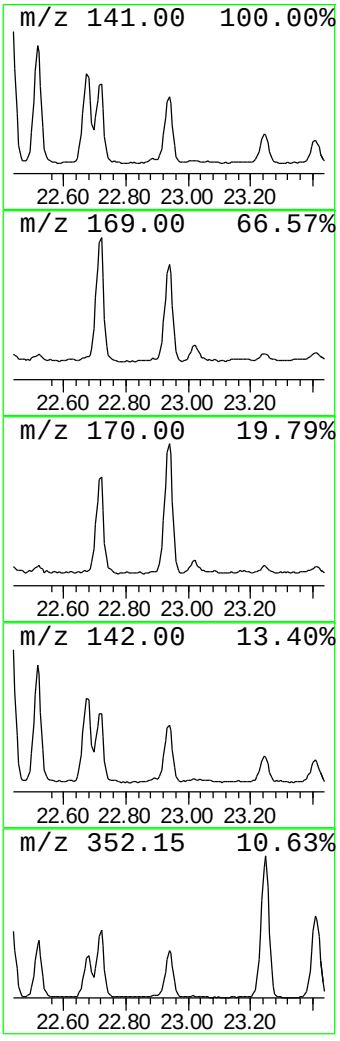
****

Peak Number 11 unknown-03 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.94	22.67 ng/ul	1422220	Chrysene-d12	21.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-propyl-	170	C13H14	002765-18-6	49
2	Imidazole, 2-trimethoxymethyl-	172	C7H12N2O3	070631-96-8	30
3	Naphthalene, 2-(1,1-dimethylethyl)-	184	C14H16	002876-35-9	28
4	4-tert-Butylphthalonitrile	184	C12H12N2	032703-80-3	28
5	3-(1-Ethoxy-ethoxy)-4,4,4-triflu...	258	C10H17F3O4	095605-52-0	25





Data Path : S:\HPCHEM1\BNA_G\DATA\BG031016\
Data File : BG021407.D
Acq On : 10 Mar 2016 14:16
Operator : UM/SJ
Sample : H1616-06
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BLDG06-P003-SS001-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG031016.M
Quant Title : SVOA CALIBRATION

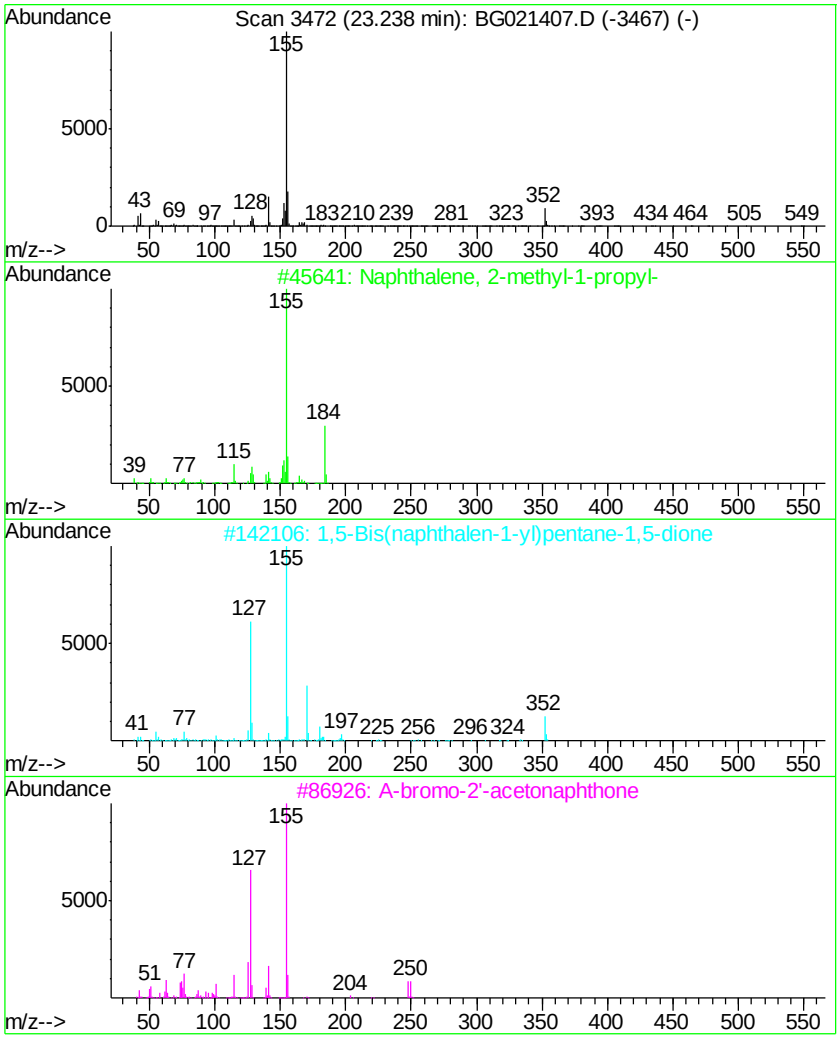
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

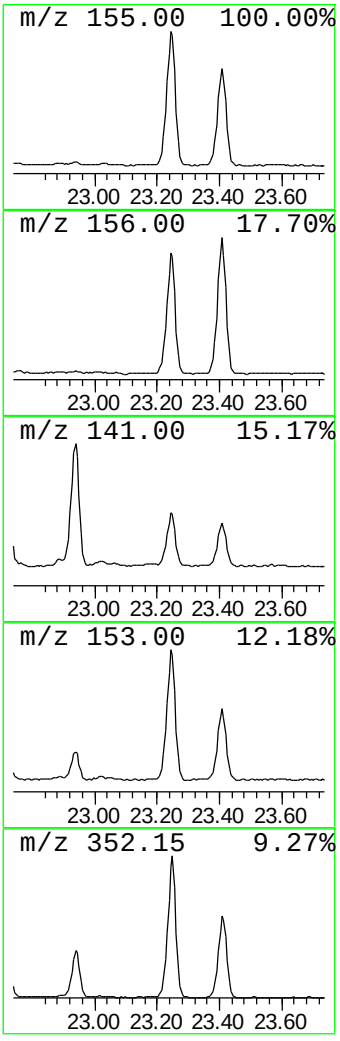
****

Peak Number 12 Naphthalene, 2-methyl-1-pro... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.24	48.03 ng/ul	3012780	Chrysene-d12	21.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-1-propyl-	184	C14H16	054774-89-9	50
2	1,5-Bis(naphthalen-1-yl)pentane-...	352	C25H20O2	1000210-52-9	45
3	A-bromo-2'-acetonaphthone	248	C12H9BrO	000613-54-7	36
4	A-bromo-2'-acetonaphthone	248	C12H9BrO	000613-54-7	36
5	Phenylpropionic acid, .alpha.-am...	229	C10H12FNO4	1000126-07-3	36





Data Path : S:\HPCHEM1\BNA_G\DATA\BG031016\
Data File : BG021407.D
Acq On : 10 Mar 2016 14:16
Operator : UM/SJ
Sample : H1616-06
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BLDG06-P003-SS001-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG031016.M
Quant Title : SVOA CALIBRATION

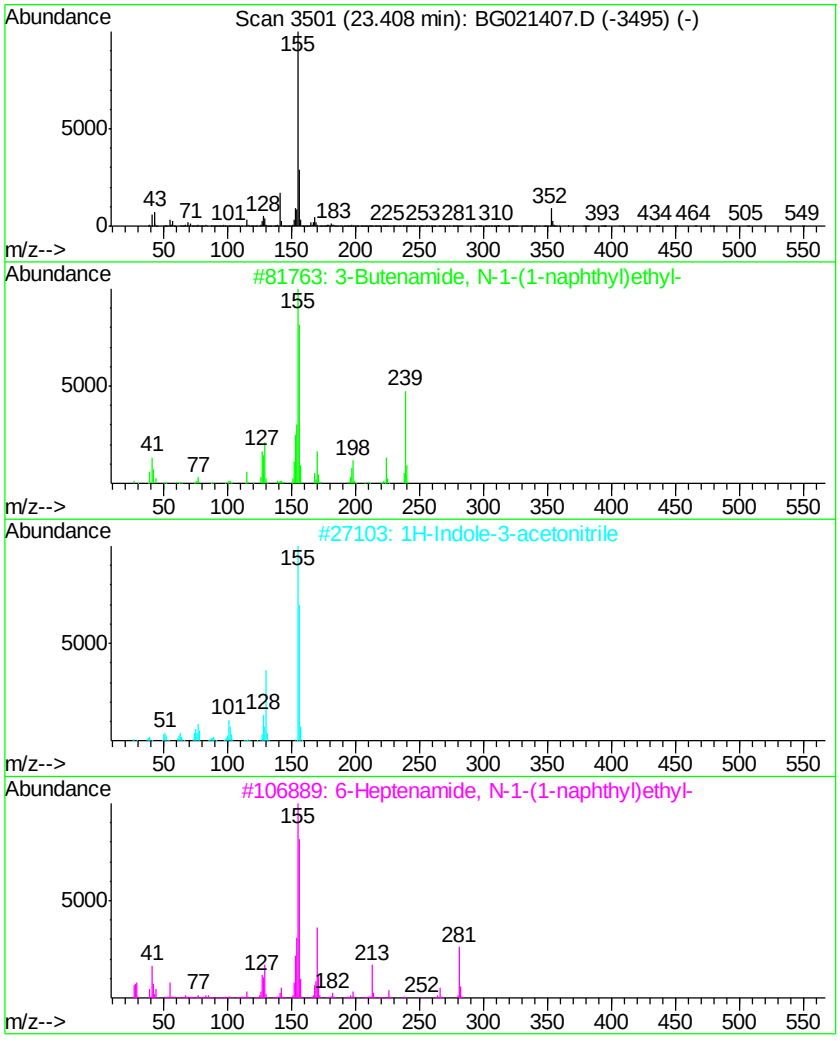
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

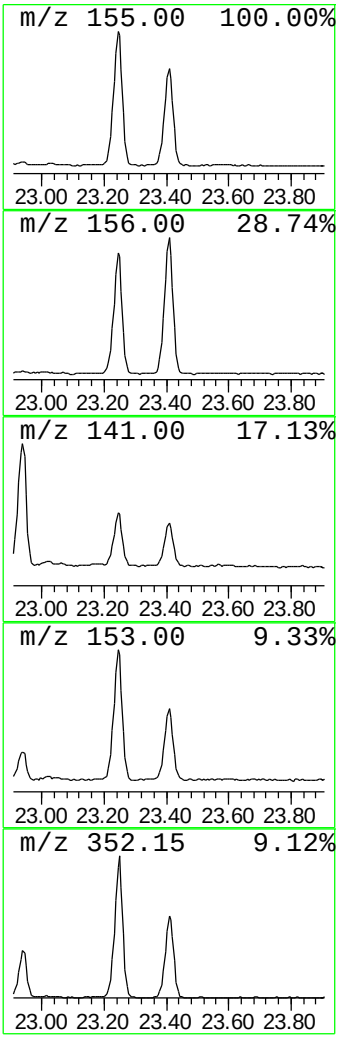
****

Peak Number 13 unknown-04 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.41	20.00 ng/ul	2356310	Perylene-d12	25.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Butenamide, N-1-(1-naphthyl)et...	239	C16H17NO	1000157-92-7	17
2	1H-Indole-3-acetonitrile	156	C10H8N2	000771-51-7	16
3	6-Heptenamide, N-1-(1-naphthyl)e...	281	C19H23NO	1000157-94-8	16
4	1,5-Bis(naphthalen-1-yl)pentane-...	352	C25H20O2	1000210-52-9	12
5	1-[2-(1-Hydroxyisopropyloxy)ethy...	230	C15H18O2	1000284-48-8	10





Tentatively Identified Compound (LSC) summary

Data Path : S:\HPCHEM1\BNA_G\DATA\BG031016\
Data File : BG021407.D
Acq On : 10 Mar 2016 14:16
Operator : UM/SJ
Sample : H1616-06
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BLDG06-P003-SS001-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG031016.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
Butane, 2-methoxy...	3.26	3.0	ng/ul	12569	1	8.13	83305	20.0
(DEL) Alkane: Str...	15.55	3.2	ng/ul	37931	3	14.74	234059	20.0
unknown-01	22.39	64.3	ng/ul	4032500	5	21.75	1254500	20.0
Naphthalene, 1-(2...	22.52	29.9	ng/ul	1874200	5	21.75	1254500	20.0
Naphthalene, 2-bu...	22.67	19.1	ng/ul	1195560	5	21.75	1254500	20.0
unknown-02	22.72	28.8	ng/ul	1805550	5	21.75	1254500	20.0
unknown-03	22.94	22.7	ng/ul	1422220	5	21.75	1254500	20.0
Naphthalene, 2-me...	23.24	48.0	ng/ul	3012780	5	21.75	1254500	20.0
unknown-04	23.41	20.0	ng/ul	2356310	6	25.02	2356310	20.0