LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG050915\
Data File : BG017002.D
Acq On : 9 May 2015 22:41
Operator : TP/IZ
Sample : G2151-20
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : TU021-SB-11-6.0

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % 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\8270-BG050515.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.777	11	15	32	rVB	3264109	3804517	100.00%	14.196%
2	2.918	34	39	47	rVV	158493	264972	6.96%	0.989%
3	2.989	47	51	56	rVV	194818	243857	6.41%	0.910%
4	4.910	373	378	385	rVB2	79462	109217	2.87%	0.408%
5	5.374	450	457	466	rBV	1097712	1554661	40.86%	5.801%
6	6.961	720	727	735	rBV	1236726	1859669	48.88%	6.939%
7	7.325	782	789	796	rBV	1094951	1700307	44.69%	6.344%
8	7.789	862	868	875	rBV2	223276	351887	9.25%	1.313%
9	8.112	916	923	934	rBV	698202	1134019	29.81%	4.231%
10	8.947	1058	1065	1077	rVB	688903	1108329	29.13%	4.136%
11	10.580	1336	1343	1349	rBV	326731	528054	13.88%	1.970%
12	13.048	1755	1763	1777	rVB	1578356	2296088	60.35%	8.567%
13	13.882	1899	1905	1914	rBV	105696	155040	4.08%	0.579%
14	14.428	1991	1998	2005	rVB2	495308	762398	20.04%	2.845%
15	15.128	2111	2117	2129	rBV	144939	237952	6.25%	0.888%
16	15.280	2139	2143	2147	rVB2	35649	44686	1.17%	0.167%
17	15.915	2245	2251	2261	rBV	1631192	2247209	59.07%	8.385%
18	16.138	2285	2289	2292	rBV	38791	55210	1.45%	0.206%
19	16.931	2419	2424	2429	rBV2	36924	49515	1.30%	0.185%
20	17.172	2455	2465	2475	rBV	703042	1040559	27.35%	3.883%
21	18.065	2611	2617	2627	rBV2	182012	267333	7.03%	0.998%
22	19.346	2829	2835	2840	rBV2	81905	130184	3.42%	0.486%
23	19.799	2905	2912	2917	rBV	2818280	3669416	96.45%	13.692%
24	21.056	3122	3126	3135	rBV	453696	559035	14.69%	2.086%
25	21.344	3169	3175	3182	rBV	880901	1082935	28.46%	4.041%
26	21.949	3273	3278	3281	rBV4	38837	68047	1.79%	0.254%
27	21.984	3281	3284	3289	rVB4	55601	81449	2.14%	0.304%
28	22.125	3303	3308	3313	rBV	35957	51187	1.35%	0.191%
29	22.542	3377	3379	3385	rVB5	27284	38572	1.01%	0.144%
30	22.936	3442	3446	3450	rBV4	36182	45868	1.21%	0.171%
31	23.641	3558	3566	3578	rVB2	520692	1087058	28.57%	4.056%
32	24.199	3656	3661	3667	rBV9	30433	60139	1.58%	0.224%
33	24.287	3671	3676	3683	rVV4	52854	110873	2.91%	0.414%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG050915\
Data File : BG017002.D
Acq On : 9 May 2015 22:41
Operator : TP/IZ
Sample : G2151-20
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : TU021-SB-11-6.0

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % 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\8270-BG050515.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Sum of corrected areas: 26800242

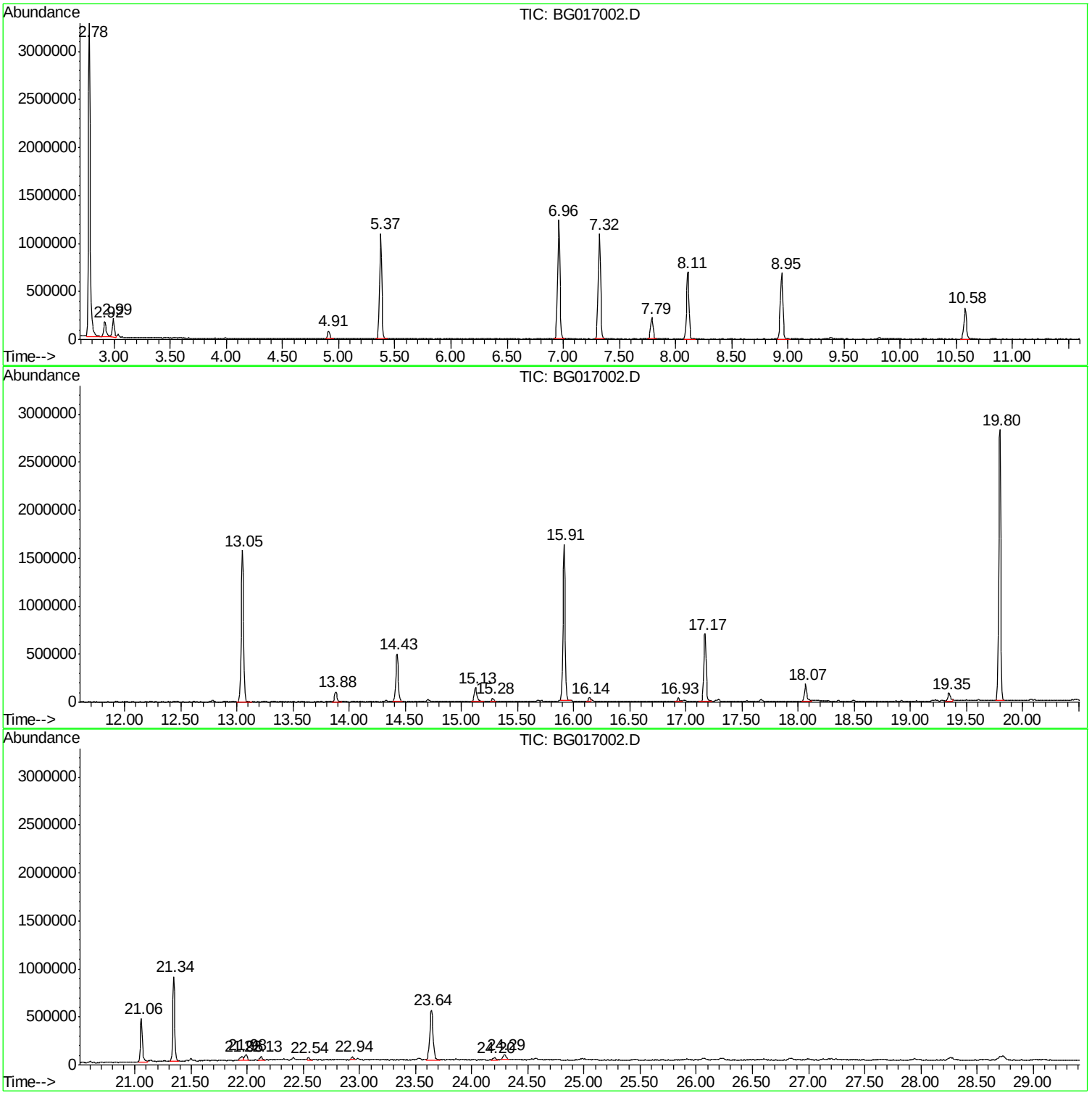
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG050915\
Data File : BG017002.D
Acq On : 9 May 2015 22:41
Operator : TP/IZ
Sample : G2151-20
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : TU021-SB-11-6.0

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG050515.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG050915\
Data File : BG017002.D
Acq On : 9 May 2015 22:41
Operator : TP/IZ
Sample : G2151-20
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : TU021-SB-11-6.0

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG050515.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

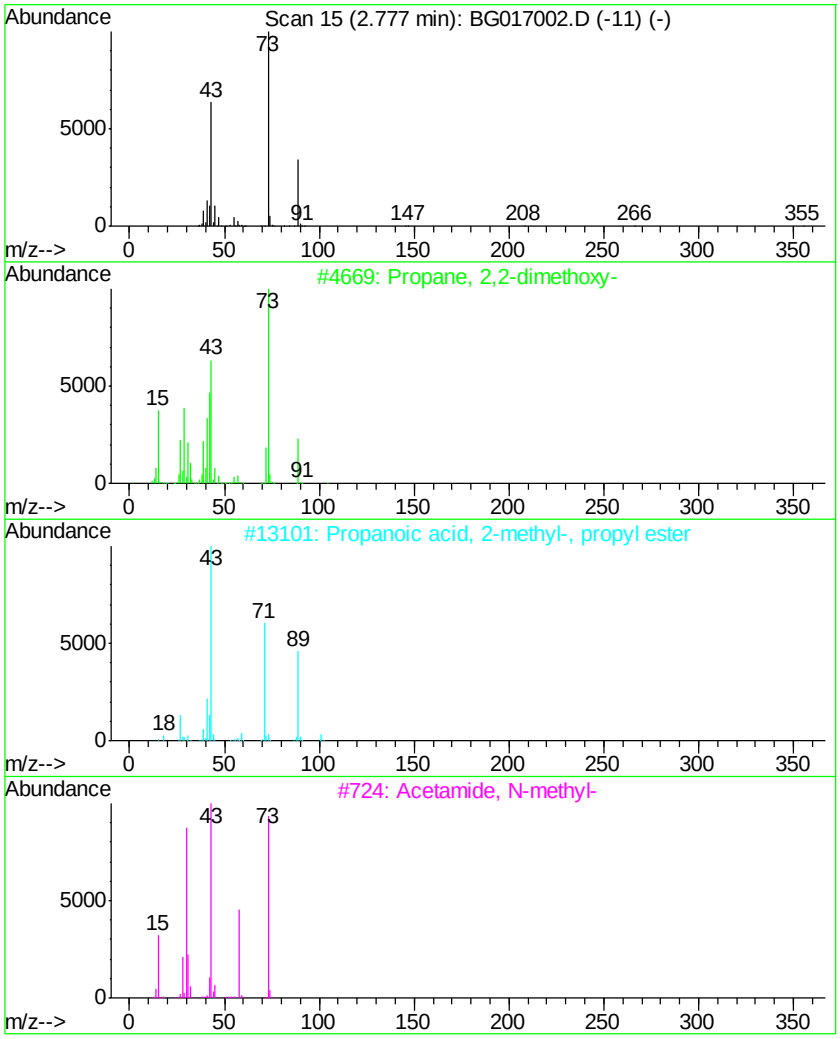
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

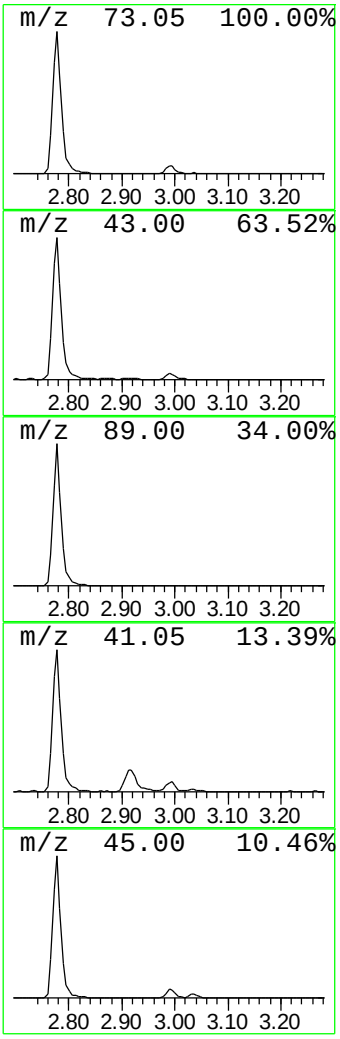
****

Peak Number 1 unknown2.78 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.78	216.24 ng	3804520	1,4-Dichlorobenzene-d4	7.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane, 2,2-dimethoxy-	104	C5H12O2	000077-76-9	45
2	Propanoic acid, 2-methyl-, propy...	130	C7H14O2	000644-49-5	35
3	Acetamide, N-methyl-	73	C3H7NO	000079-16-3	9
4	1,3-Dioxolane, 2-(3-bromo-5,5,5-...	352	C10H16BrCl3O2	1000115-31-4	9
5	Propane, 2-methoxy-2-methyl-	88	C5H12O	001634-04-4	9





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG050915\
Data File : BG017002.D
Acq On : 9 May 2015 22:41
Operator : TP/IZ
Sample : G2151-20
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : TU021-SB-11-6.0

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG050515.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

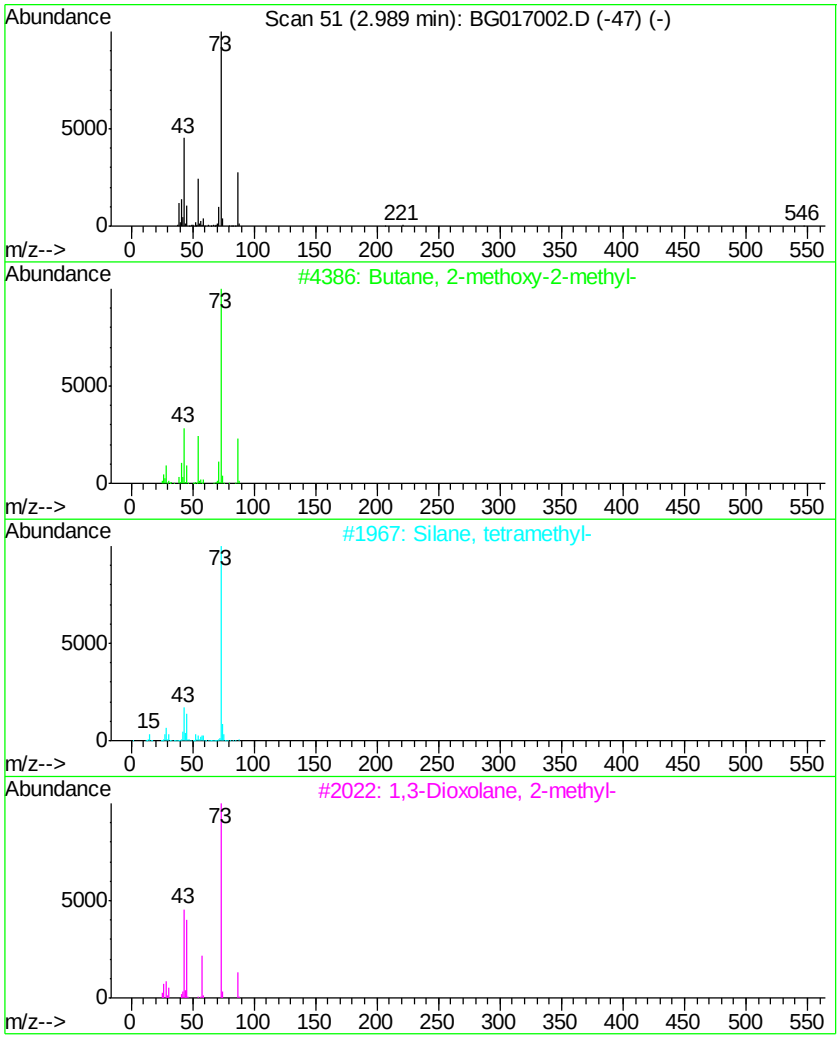
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

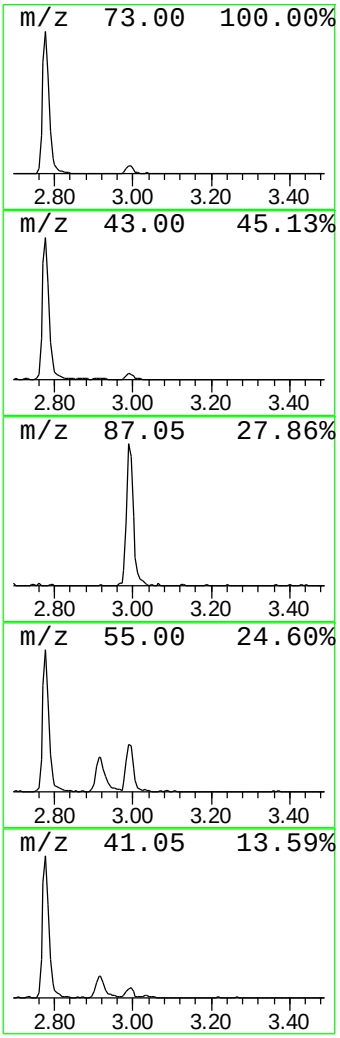
****

Peak Number 3 Butane, 2-methoxy-2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.99	13.86 ng	243857	1,4-Dichlorobenzene-d4	7.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2	Silane, tetramethyl-	88	C4H12Si	000075-76-3	17
3	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	9
4	N-Ethylformamide	73	C3H7NO	000627-45-2	9
5	Butanoic acid, 2-hydroxy-2-methy...	132	C6H12O3	032793-34-3	9





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG050915\
Data File : BG017002.D
Acq On : 9 May 2015 22:41
Operator : TP/IZ
Sample : G2151-20
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : TU021-SB-11-6.0

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG050515.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

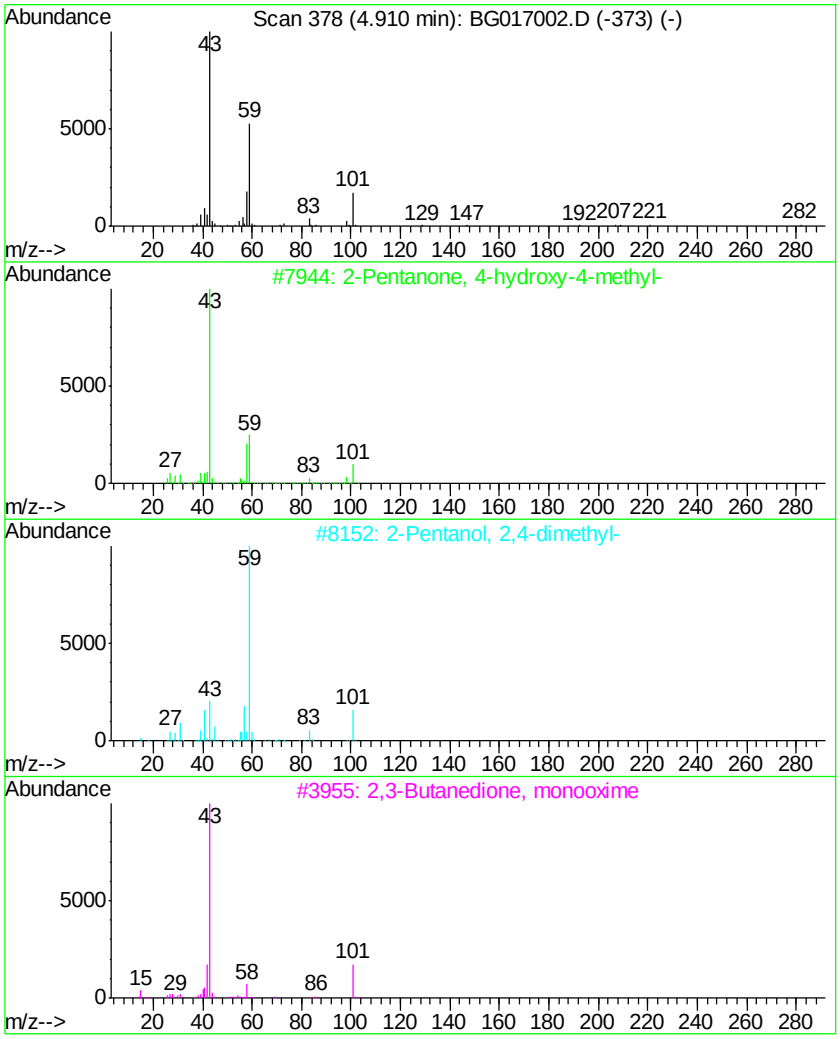
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

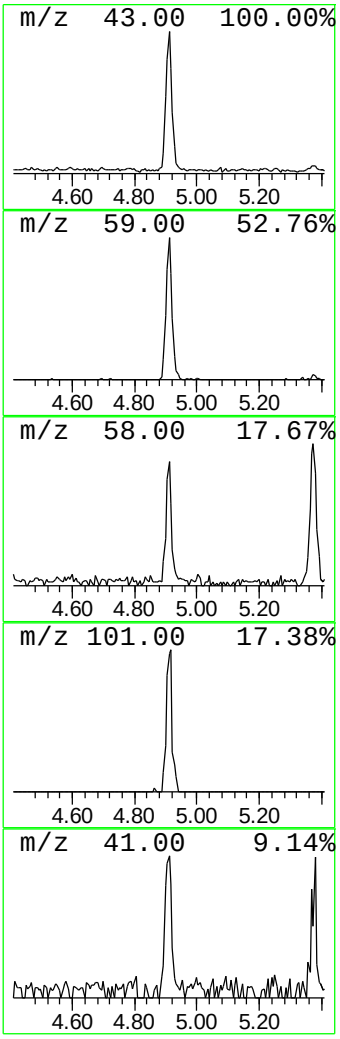
****

Peak Number 4 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.91	6.21 ng	109217	1,4-Dichlorobenzene-d4	7.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	53
2	2-Pentanol, 2,4-dimethyl-	116	C7H16O	000625-06-9	28
3	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	16
4	2-Furanmethanol, tetrahydro-.alp...	238	C15H26O2	026184-88-3	12
5	Hydrazine, 1,1-bis(1-methylethyl)-	116	C6H16N2	000921-14-2	10





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG050915\
Data File : BG017002.D
Acq On : 9 May 2015 22:41
Operator : TP/IZ
Sample : G2151-20
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : TU021-SB-11-6.0

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG050515.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

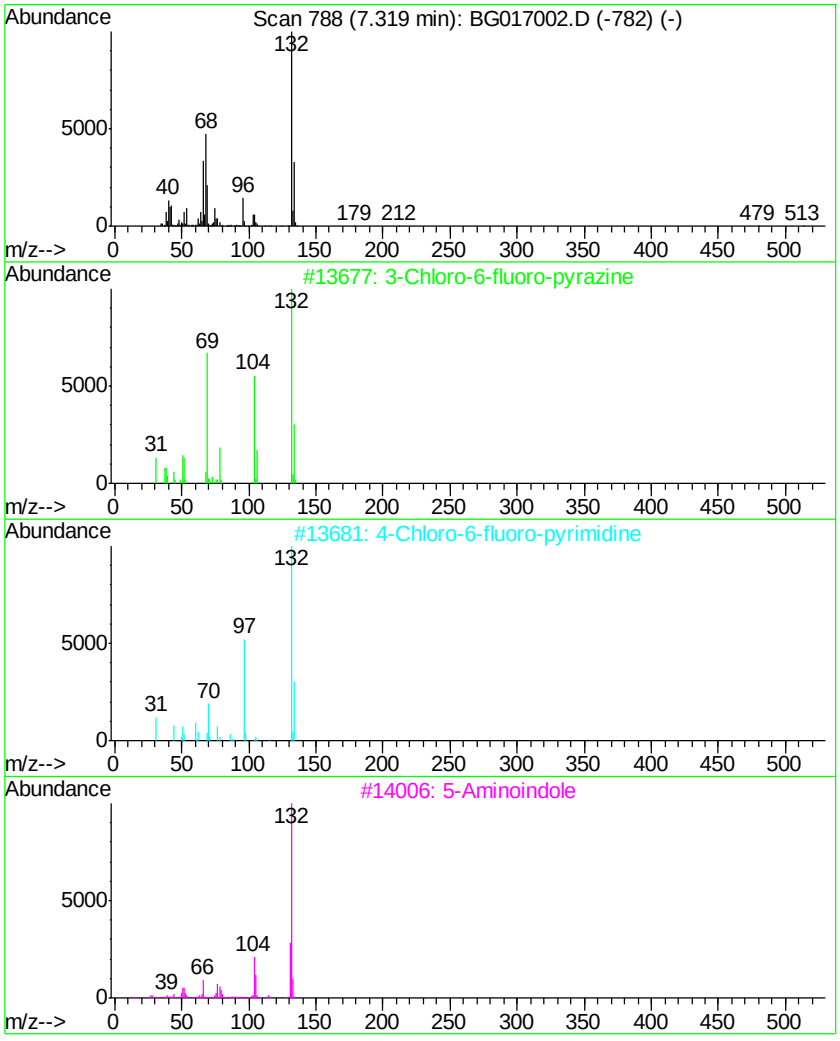
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

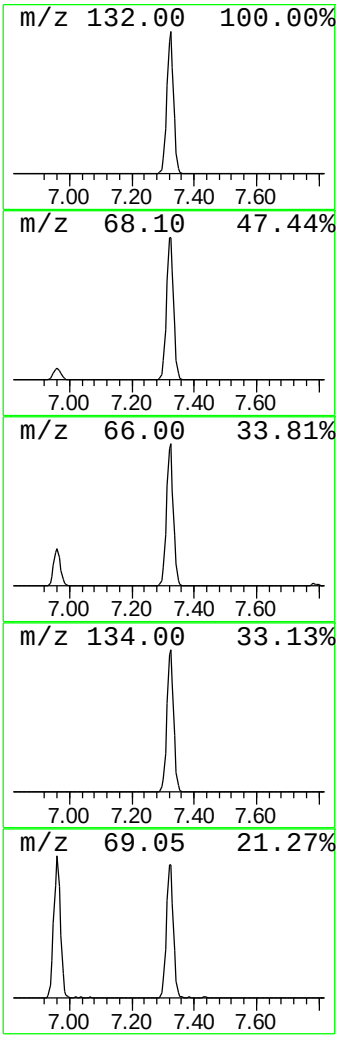
****

Peak Number 5 unknown7.32 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.32	96.64 ng	1700310	1,4-Dichlorobenzene-d4	7.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	27
3	5-Aminoindole	132	C8H8N2	005192-03-0	22
4	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	22
5	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	16





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG050915\
Data File : BG017002.D
Acq On : 9 May 2015 22:41
Operator : TP/IZ
Sample : G2151-20
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : TU021-SB-11-6.0

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG050515.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

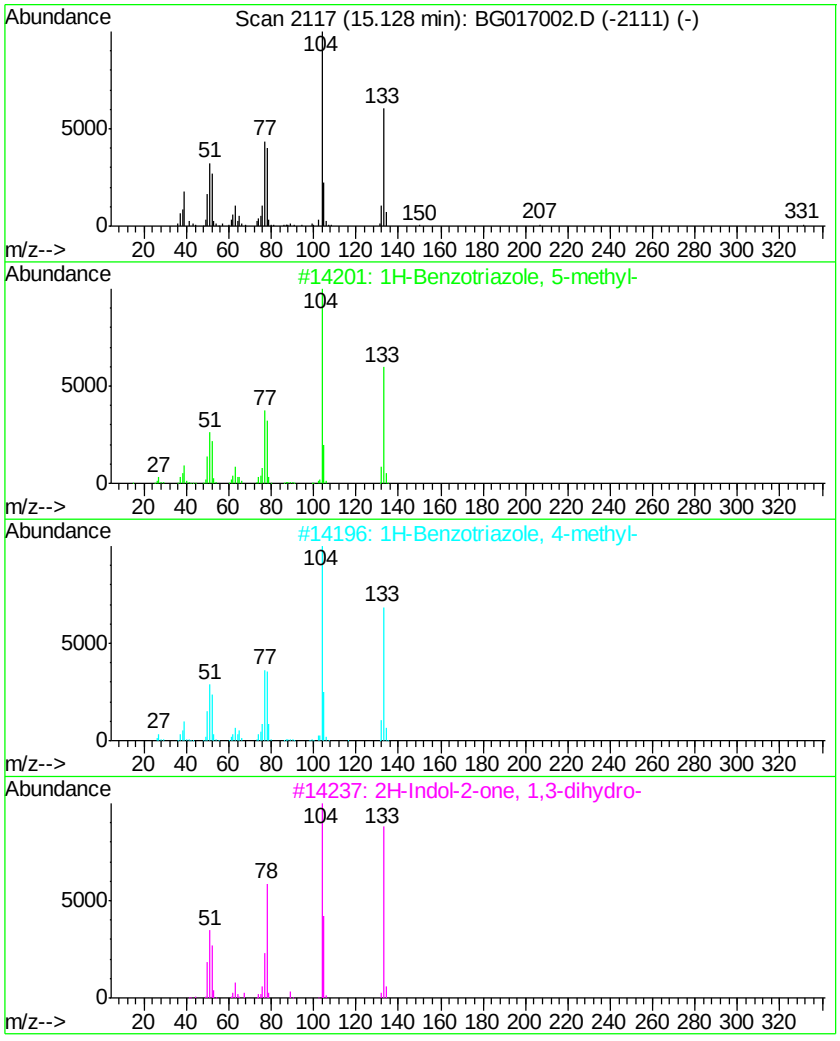
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

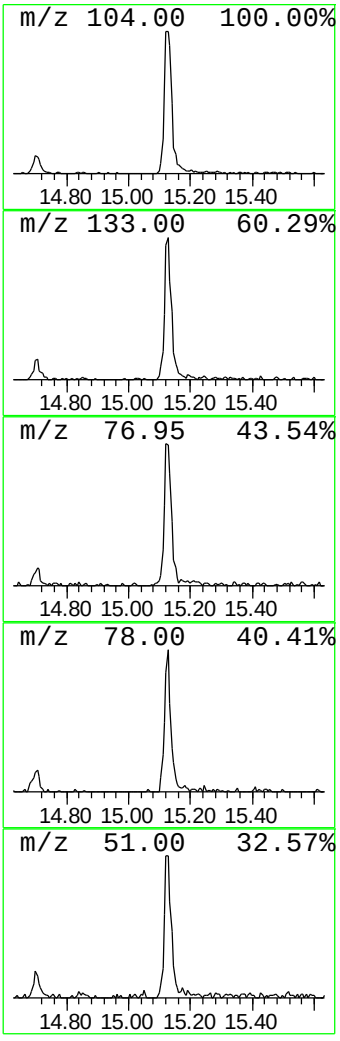
****

Peak Number 7 1H-Benzotriazole, 5-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.13	6.24 ng	237952	Acenaphthene-d10	14.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Benzotriazole, 5-methyl-	133	C7H7N3	000136-85-6	96
2	1H-Benzotriazole, 4-methyl-	133	C7H7N3	029878-31-7	95
3	2H-Indol-2-one, 1,3-dihydro-	133	C8H7NO	000059-48-3	68
4	1H-Indol-5-ol	133	C8H7NO	001953-54-4	47
5	1,3,5,7-Cyclooctatetraene	104	C8H8	000629-20-9	47





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG050915\
Data File : BG017002.D
Acq On : 9 May 2015 22:41
Operator : TP/IZ
Sample : G2151-20
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : TU021-SB-11-6.0

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG050515.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

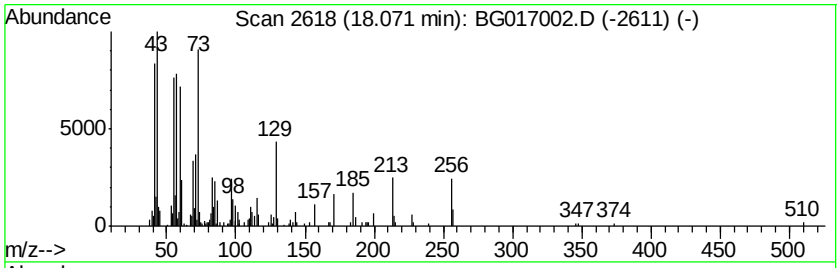
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

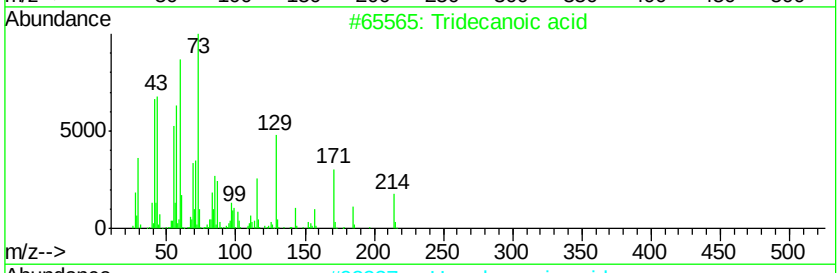
****

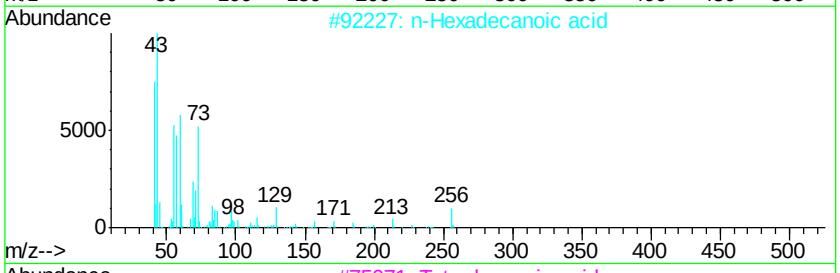
Peak Number 8 Tridecanoic acid Concentration Rank 9

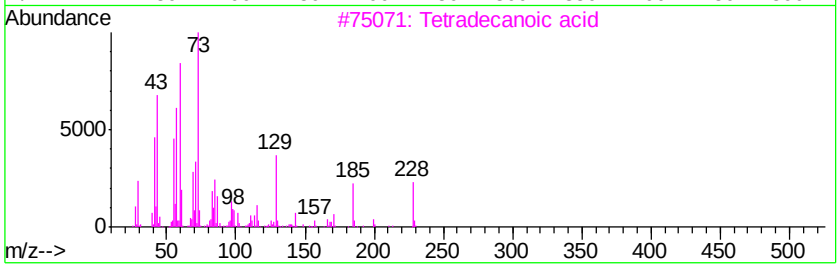
R.T.	EstConc	Area	Relative to ISTD	R.T.
18.07	5.14 ng	267333	Phenanthrene-d10	17.17

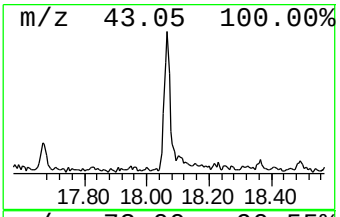
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecanoic acid	214	C13H26O2	000638-53-9	98
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	93
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	68
4	Dodecanoic acid	200	C12H24O2	000143-07-7	64
5	n-Decanoic acid	172	C10H20O2	000334-48-5	64

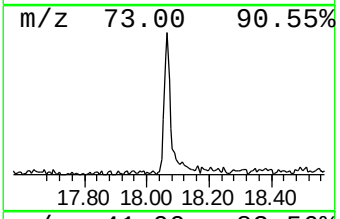


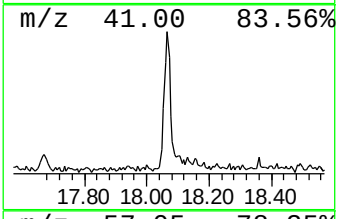


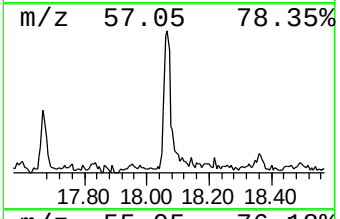


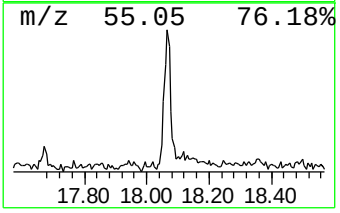












Data Path : Z:\HPCHEM1\BNA_G\DATA\BG050915\
Data File : BG017002.D
Acq On : 9 May 2015 22:41
Operator : TP/IZ
Sample : G2151-20
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : TU021-SB-11-6.0

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG050515.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

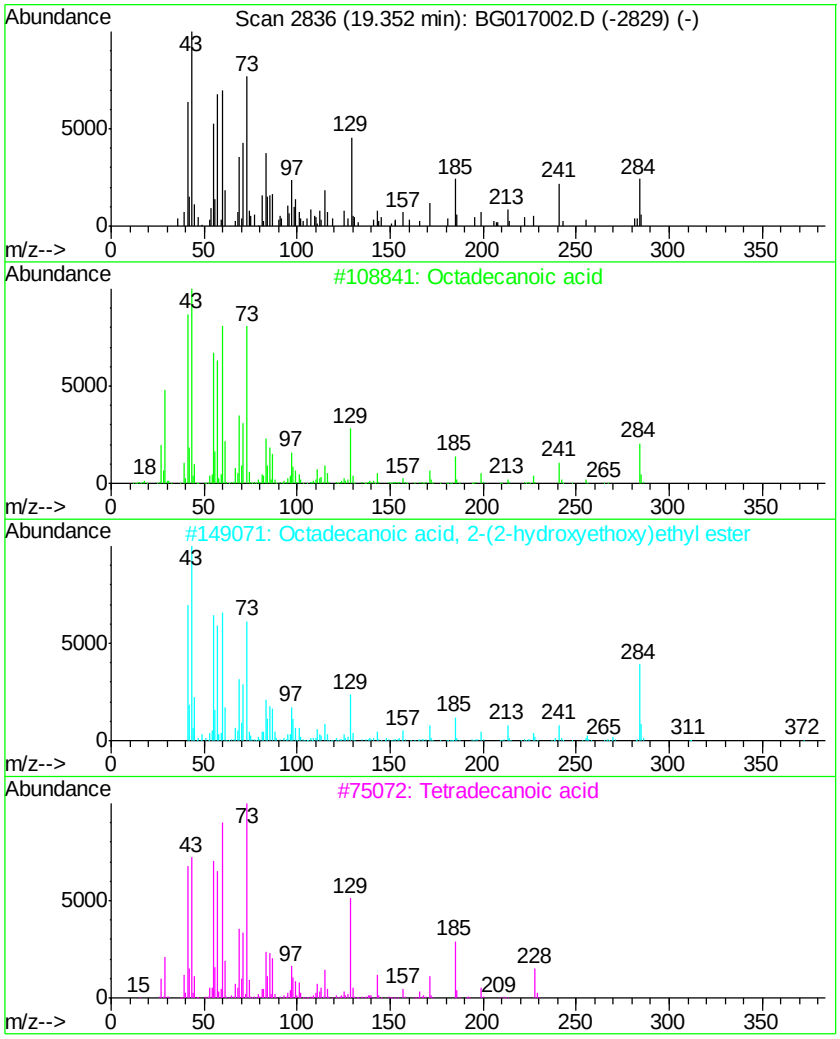
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

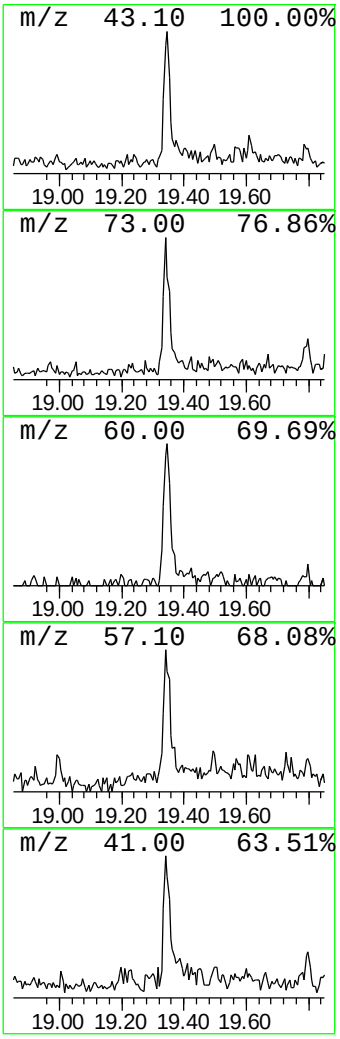
****

Peak Number 9 Octadecanoic acid Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.35	2.40 ng	130184	Chrysene-d12	21.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	93
2	Octadecanoic acid, 2-(2-hydroxye...	372	C22H44O4	000106-11-6	74
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	49
4	Dodecanoic acid	200	C12H24O2	000143-07-7	35
5	Butyraldehyde, semicarbazone	129	C5H11N3O	013183-21-6	32





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG050915\
Data File : BG017002.D
Acq On : 9 May 2015 22:41
Operator : TP/IZ
Sample : G2151-20
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : TU021-SB-11-6.0

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG050515.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
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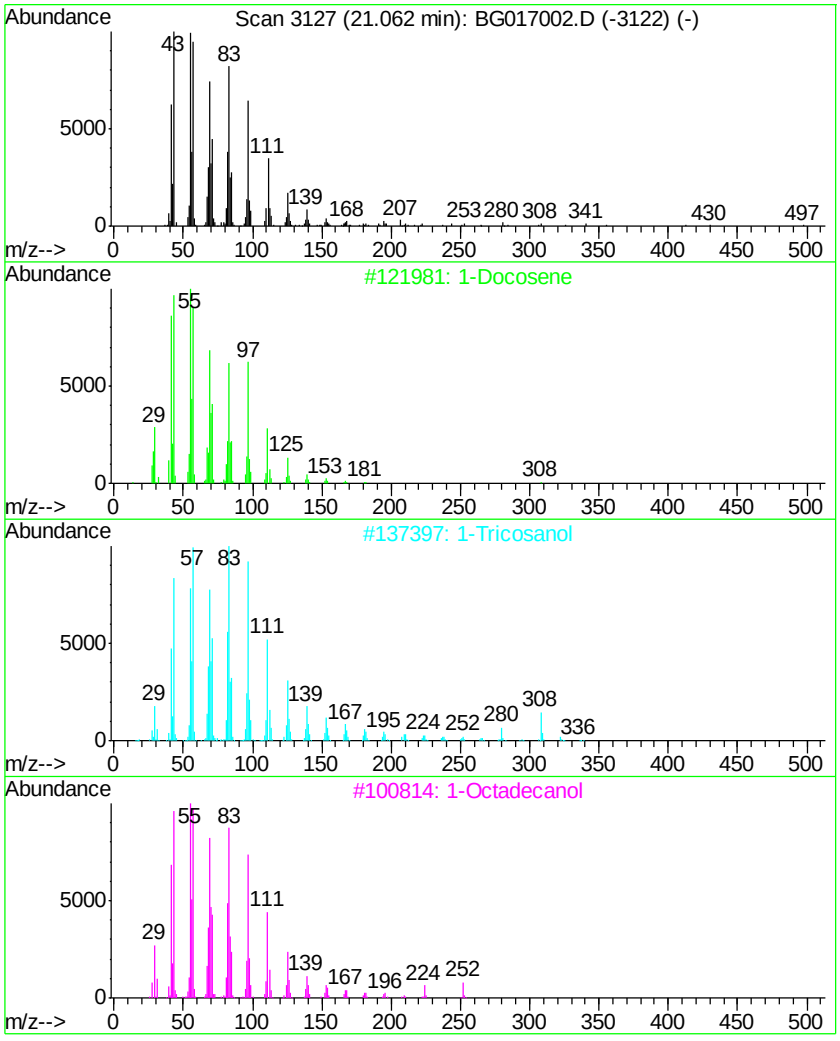
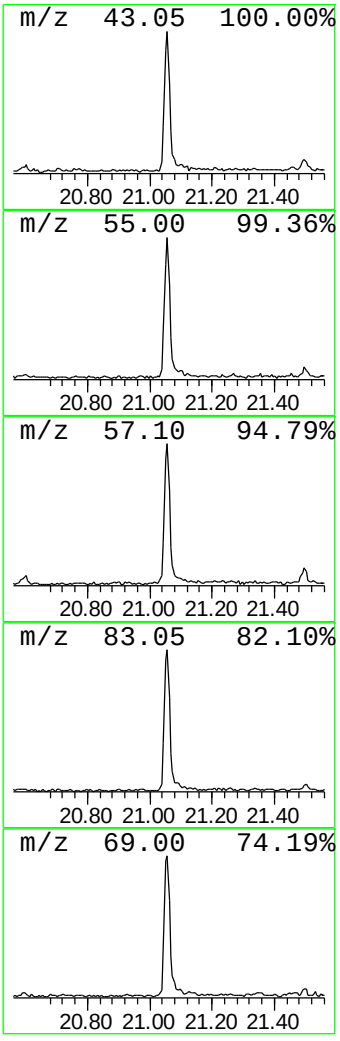
****

Peak Number 10 1-Docosene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.06	10.32 ng	559035	Chrysene-d12	21.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Docosene	308	C22H44	001599-67-3	95
2	1-Tricosanol	340	C23H48O	003133-01-5	91
3	1-Octadecanol	270	C18H38O	000112-92-5	90
4	Bromoacetic acid, octadecyl ester	390	C20H39BrO2	018992-03-5	90
5	13-Tetradecen-1-ol acetate	254	C16H30O2	056221-91-1	87





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG050915\
Data File : BG017002.D
Acq On : 9 May 2015 22:41
Operator : TP/IZ
Sample : G2151-20
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : TU021-SB-11-6.0

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG050515.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

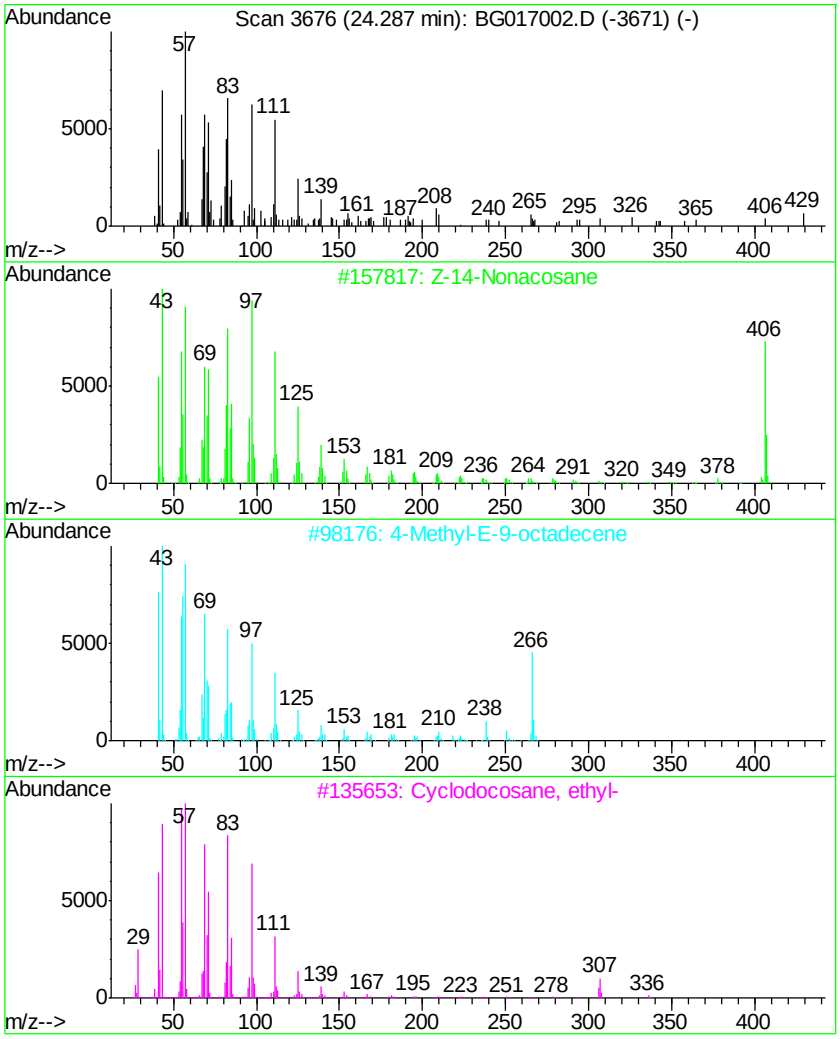
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

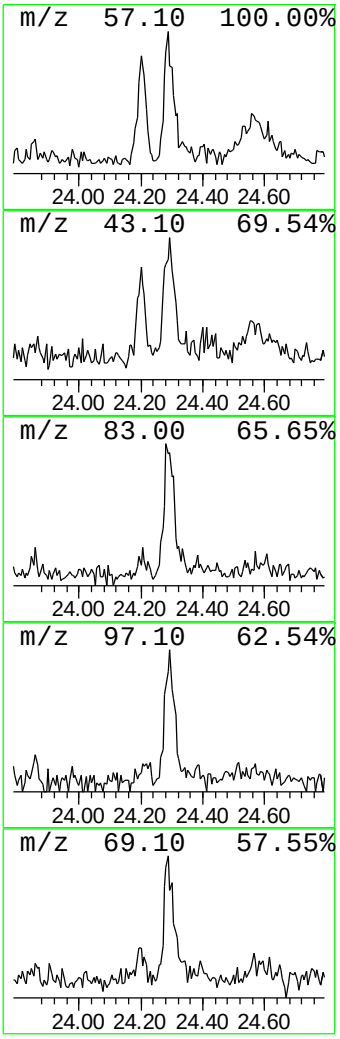
****

Peak Number 11 Z-14-Nonacosane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.29	2.04 ng	110873	Perylene-d12	23.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Z-14-Nonacosane	406	C29H58	1000131-18-9	58
2	4-Methyl-E-9-octadecene	266	C19H38	1000130-87-1	58
3	Cyclodocosane, ethyl-	336	C24H48	1000151-22-6	52
4	1-Hexacosanol	382	C26H54O	000506-52-5	43
5	1-Cyclohexylnonene	208	C15H28	114614-84-5	38





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG050915\
Data File : BG017002.D
Acq On : 9 May 2015 22:41
Operator : TP/IZ
Sample : G2151-20
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : TU021-SB-11-6.0

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG050515.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT 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
unknown2.78	2.78	216.2	ng	3804520	1	7.79	351887	20.0
Butane, 2-methoxy...	2.99	13.9	ng	243857	1	7.79	351887	20.0
2-Pentanone, 4-hy...	4.91	6.2	ng	109217	1	7.79	351887	20.0
unknown7.32	7.32	96.6	ng	1700310	1	7.79	351887	20.0
1H-Benzotriazole,...	15.13	6.2	ng	237952	3	14.43	762398	20.0
Tridecanoic acid	18.07	5.1	ng	267333	4	17.17	1040560	20.0
Octadecanoic acid	19.35	2.4	ng	130184	5	21.34	1082940	20.0
1-Docosene	21.06	10.3	ng	559035	5	21.34	1082940	20.0
Z-14-Nonacosane	24.29	2.0	ng	110873	6	23.64	1087060	20.0