LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG070816\
Data File : BG022919.D
Acq On : 8 Jul 2016 6:45
Operator : UM/SJ
Sample : H3841-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DUP-1

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-BG070816.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	2.964	18	21	31	rVB	112051	159595	1.35%	0.287%
2	3.564	118	123	134	rBV	283975	445907	3.77%	0.800%
3	5.221	400	405	413	rBV	219166	336153	2.85%	0.603%
4	5.697	477	486	499	rBV	1100243	1816786	15.38%	3.262%
5	7.306	753	760	772	rBV	814403	1410031	11.94%	2.531%
6	7.682	817	824	833	rBV	2014378	3514342	29.75%	6.309%
7	8.152	894	904	912	rBV	419169	776062	6.57%	1.393%
8	8.481	953	960	968	rBV	1691963	2931043	24.81%	5.262%
9	9.328	1096	1104	1110	rBV	1646606	3020794	25.57%	5.423%
10	10.984	1380	1386	1394	rVB	659891	1180278	9.99%	2.119%
11	11.772	1511	1520	1533	rBV2	300518	631211	5.34%	1.133%
12	13.064	1732	1740	1749	rBV	319586	563023	4.77%	1.011%
13	13.417	1792	1800	1808	rBV	4592984	7357893	62.28%	13.209%
14	14.239	1935	1940	1946	rBV2	83296	129607	1.10%	0.233%
15	14.798	2029	2035	2043	rBV2	1199476	1979722	16.76%	3.554%
16	15.984	2231	2237	2242	rBV	410619	562736	4.76%	1.010%
17	16.290	2282	2289	2297	rBV	4881502	7517325	63.63%	13.495%
18	17.553	2496	2504	2512	rBV	1677697	2658511	22.50%	4.773%
19	17.912	2560	2565	2570	rVB	163641	219487	1.86%	0.394%
20	18.423	2646	2652	2661	rBV2	232383	360075	3.05%	0.646%
21	19.686	2864	2867	2875	rBV2	240772	301143	2.55%	0.541%
22	20.156	2941	2947	2954	rBV	8815318	11813643	100.00%	21.208%
23	21.842	3228	3234	3241	rBV2	1750469	3060048	25.90%	5.493%
24	25.197	3794	3805	3818	rVB2	960141	2958414	25.04%	5.311%

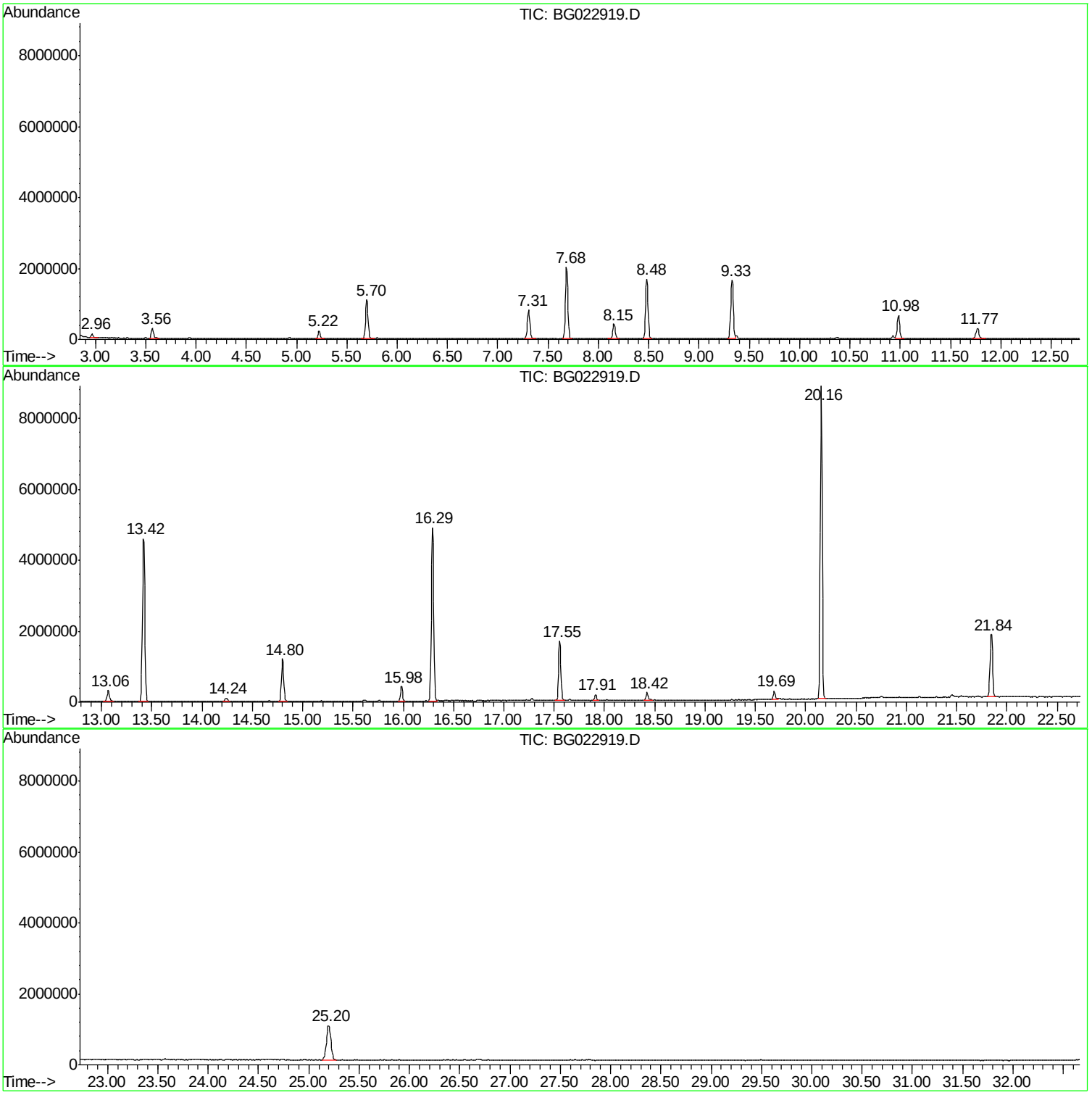
Sum of corrected areas: 55703829

Data Path : Z:\HPCHEM1\BNA G\DATA\BG070816\
Data File : BG022919.D
Acq On : 8 Jul 2016 6:45
Operator : UM/SJ
Sample : H3841-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DUP-1

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG070816.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\BG070816\
Data File : BG022919.D
Acq On : 8 Jul 2016 6:45
Operator : UM/SJ
Sample : H3841-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DUP-1

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG070816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

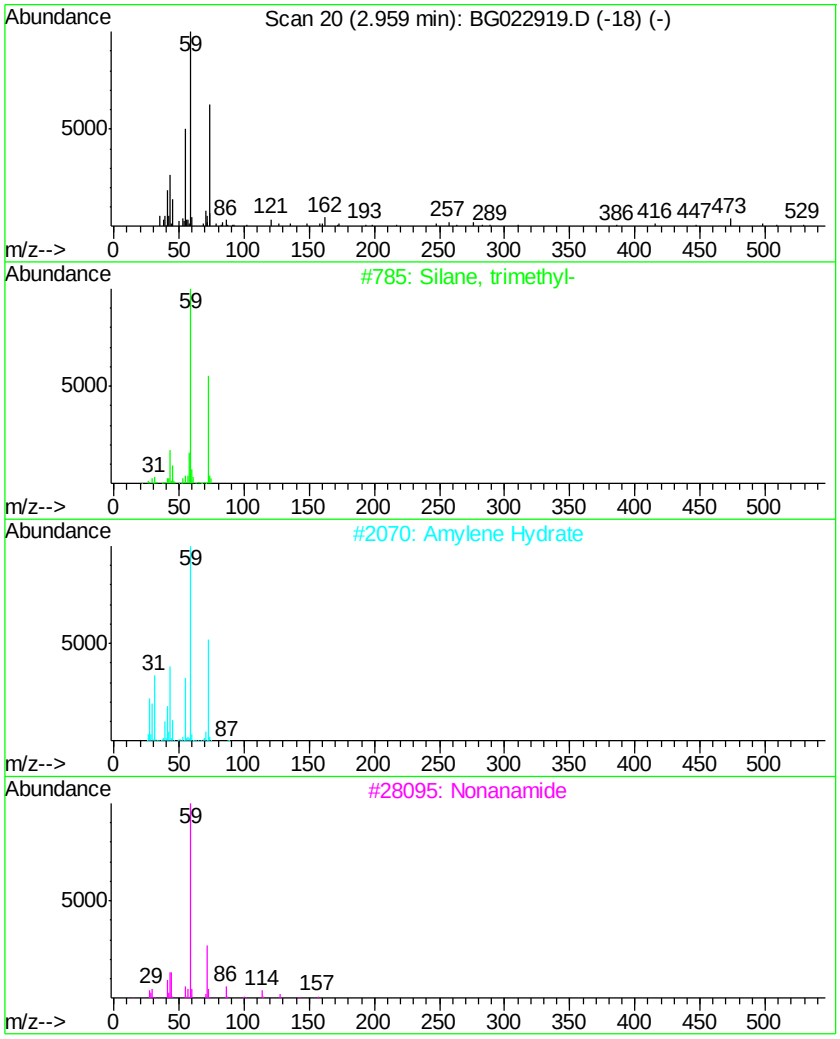
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

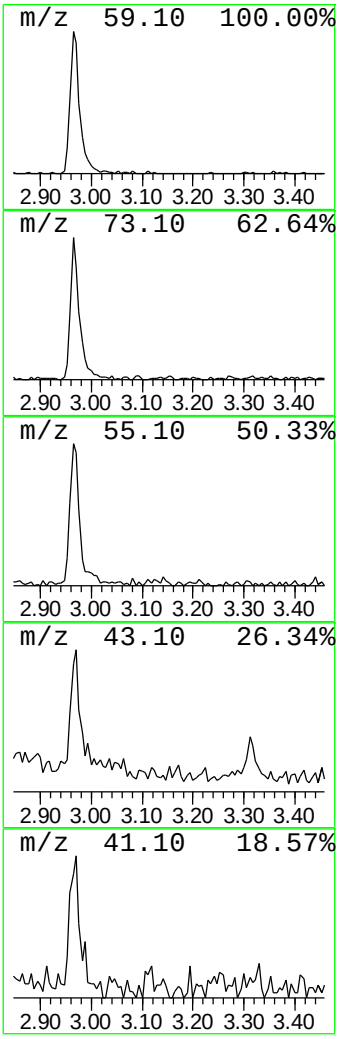
****

Peak Number 1 Silane, trimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.96	4.11 ng	159595	1,4-Dichlorobenzene-d4	8.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Silane, trimethyl-	74	C3H10Si	000993-07-7	64
2	Amylene Hydrate	88	C5H12O	000075-85-4	64
3	Nonanamide	157	C9H19NO	001120-07-6	9
4	4-Methoxy-1-pentene	100	C6H12O	098386-09-5	9
5	2-Hydroxy-2-methylhept-6-en-3-one	142	C8H14O2	000996-61-2	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG070816\
Data File : BG022919.D
Acq On : 8 Jul 2016 6:45
Operator : UM/SJ
Sample : H3841-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DUP-1

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG070816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

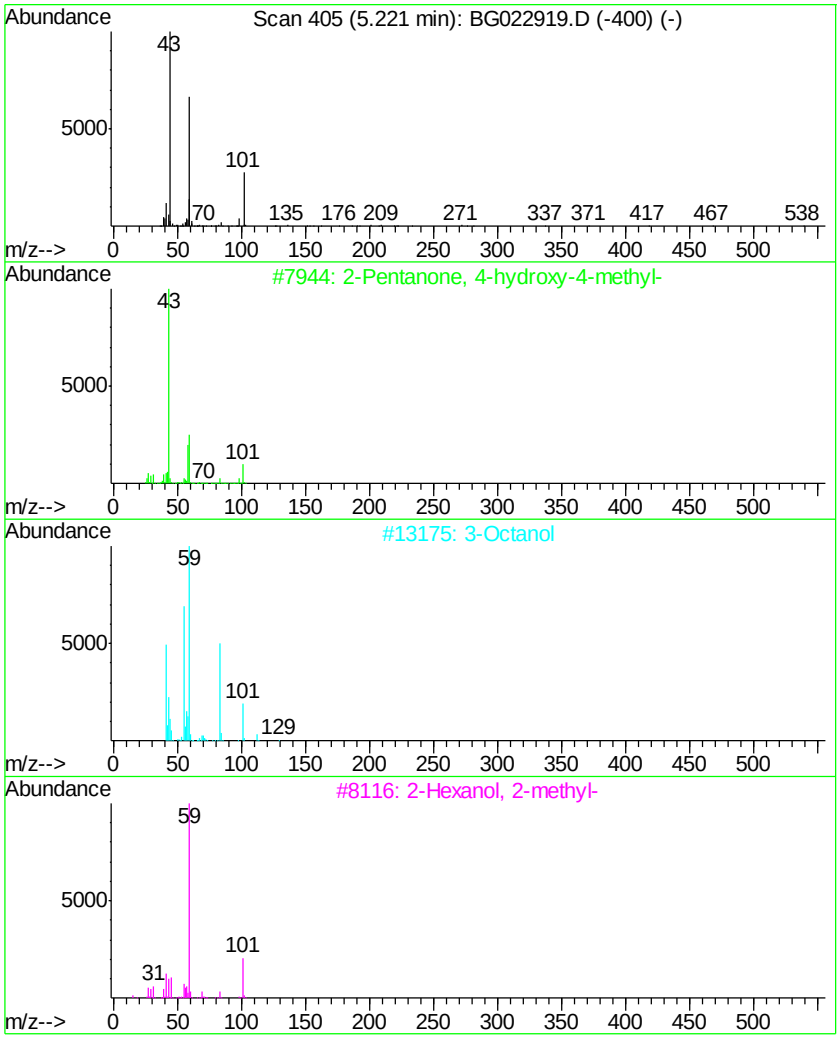
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

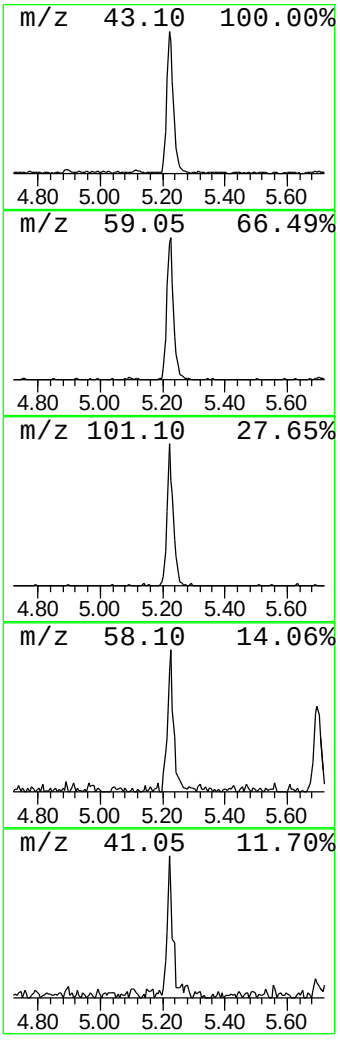
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.22	8.66 ng	336153	1,4-Dichlorobenzene-d4	8.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2	3-Octanol	130	C8H18O	020296-29-1	25
3	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	23
4	3-Hydroxy-3-methyl-2-butanone	102	C5H10O2	000115-22-0	16
5	Butyl aldoxime, 3-methyl-, syn-	101	C5H11NO	005780-40-5	12





Data Path : Z:\HPCHEM1\BNA G\DATA\BG070816\
Data File : BG022919.D
Acq On : 8 Jul 2016 6:45
Operator : UM/SJ
Sample : H3841-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DUP-1

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG070816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

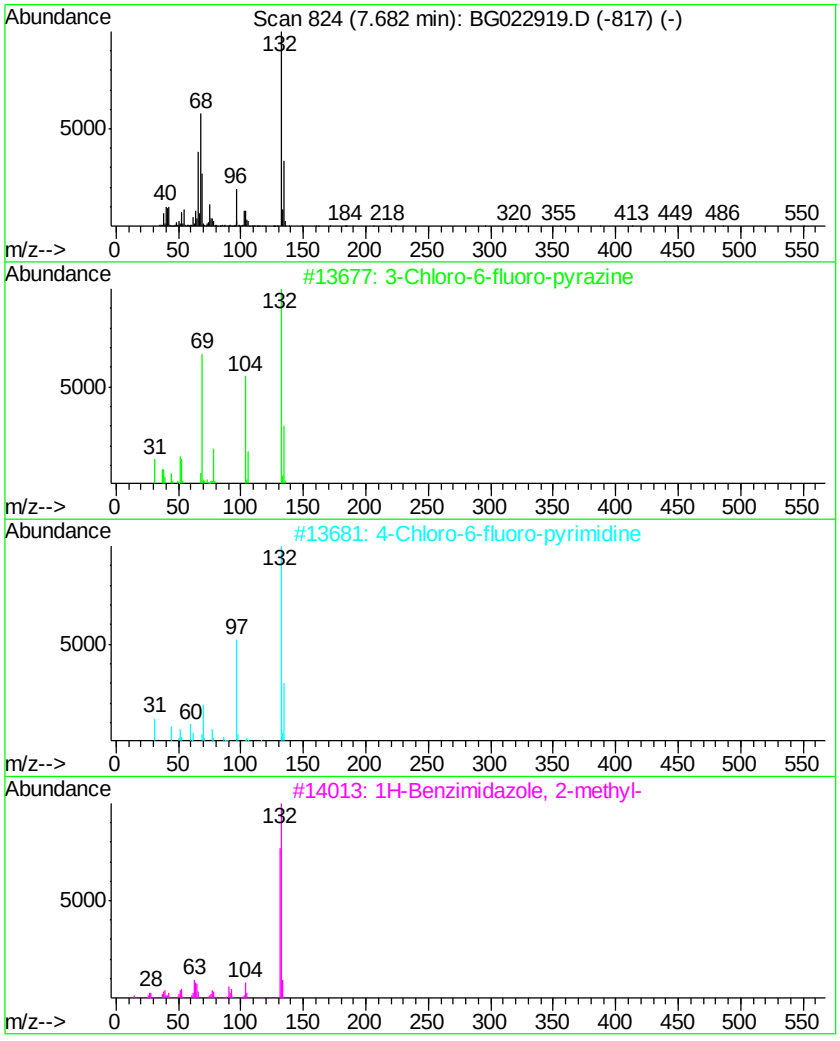
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

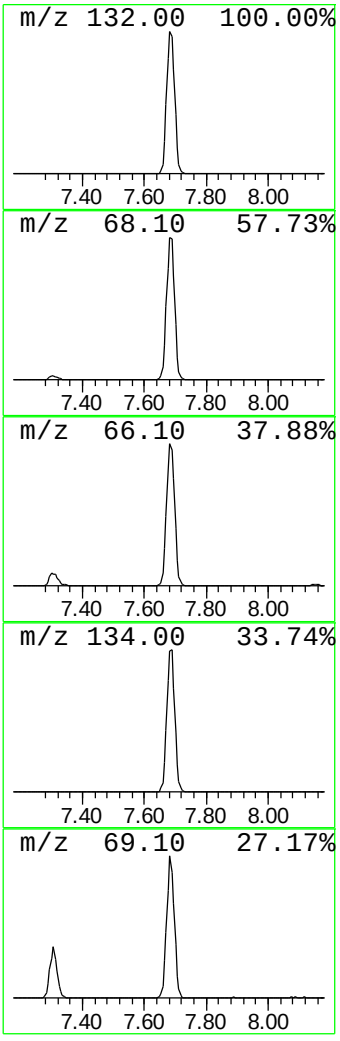
****

Peak Number 3 unknown7.68 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.68	90.57 ng	3514340	1,4-Dichlorobenzene-d4	8.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	30
2	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	27
3	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	22
4	Imidazole, 4,5-dicyano-1-methyl-	132	C6H4N4	019485-35-9	22
5	(5-METHYL-2-PYRIDYL)ACETONITRILE	132	C8H8N2	1000241-93-9	22





Data Path : Z:\HPCHEM1\BNA G\DATA\BG070816\
Data File : BG022919.D
Acq On : 8 Jul 2016 6:45
Operator : UM/SJ
Sample : H3841-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DUP-1

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG070816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

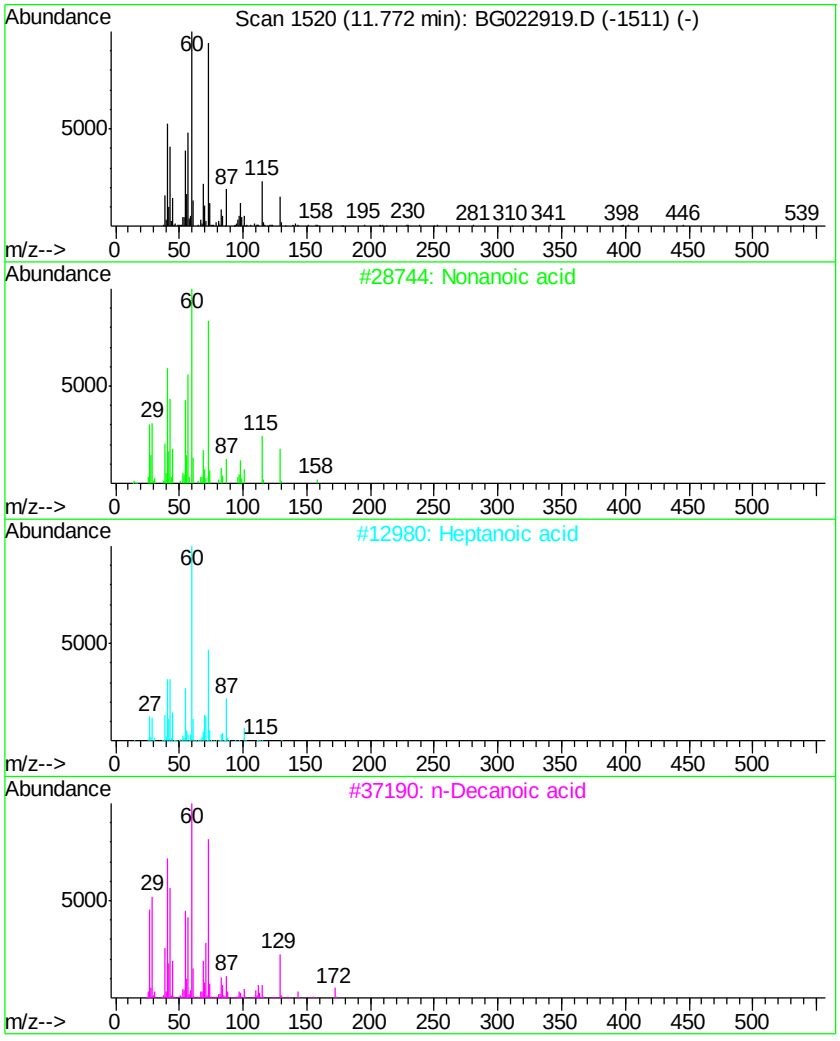
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

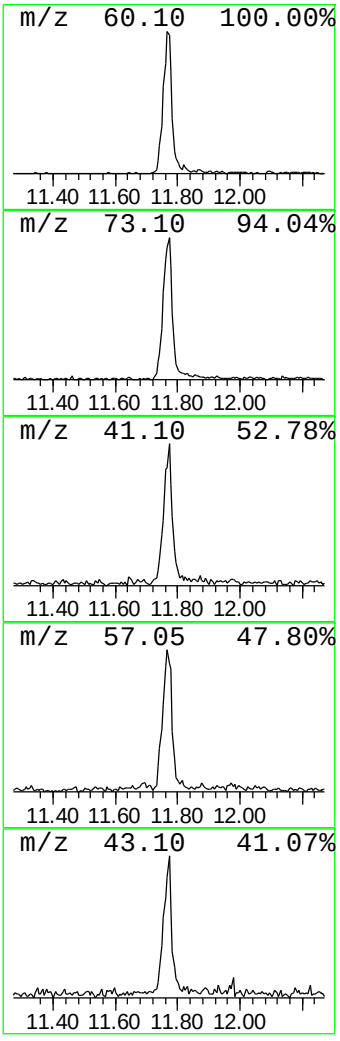
****

Peak Number 5 Nonanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.77	10.70 ng	631211	Naphthalene-d8	10.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonanoic acid	158	C9H18O2	000112-05-0	86
2	Heptanoic acid	130	C7H14O2	000111-14-8	53
3	n-Decanoic acid	172	C10H20O2	000334-48-5	53
4	Hexanoic acid	116	C6H12O2	000142-62-1	52
5	Pentanoic acid, 3-methyl-	116	C6H12O2	000105-43-1	50





Data Path : Z:\HPCHEM1\BNA G\DATA\BG070816\
Data File : BG022919.D
Acq On : 8 Jul 2016 6:45
Operator : UM/SJ
Sample : H3841-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DUP-1

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG070816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

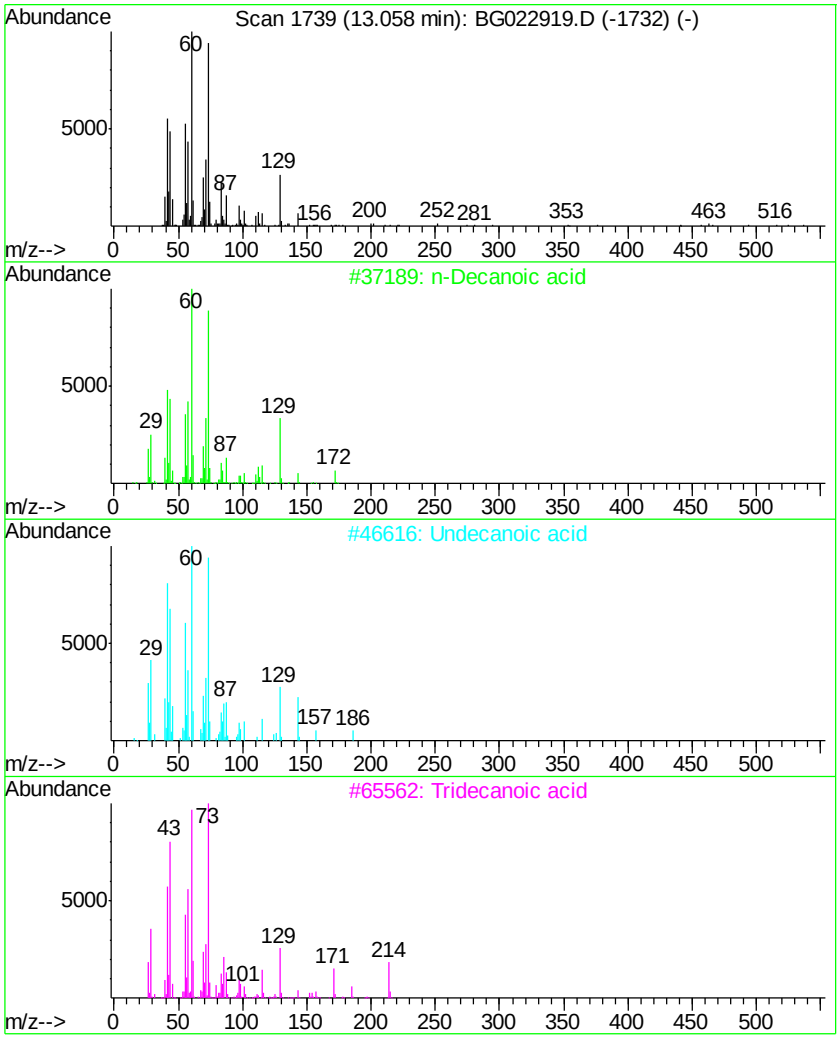
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

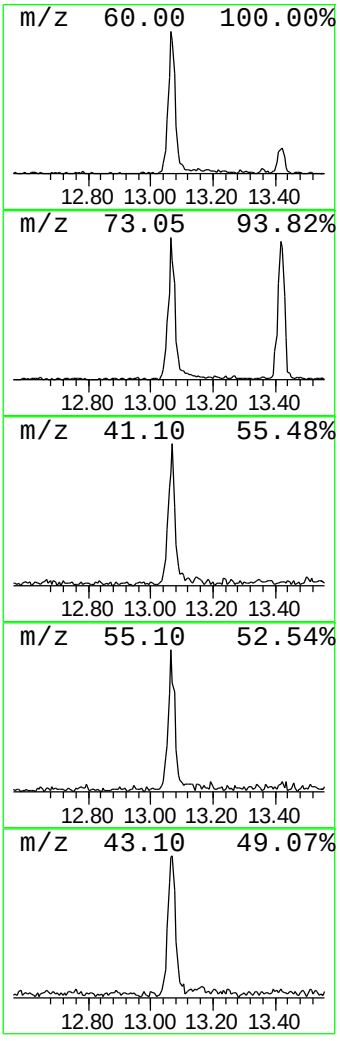
****

Peak Number 6 n-Decanoic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.06	5.69 ng	563023	Acenaphthene-d10	14.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Decanoic acid	172	C10H20O2	000334-48-5	90
2	Undecanoic acid	186	C11H22O2	000112-37-8	56
3	Tridecanoic acid	214	C13H26O2	000638-53-9	56
4	Dodecanoic acid	200	C12H24O2	000143-07-7	50
5	Heptanoic acid	130	C7H14O2	000111-14-8	50





Data Path : Z:\HPCHEM1\BNA G\DATA\BG070816\
Data File : BG022919.D
Acq On : 8 Jul 2016 6:45
Operator : UM/SJ
Sample : H3841-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DUP-1

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG070816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

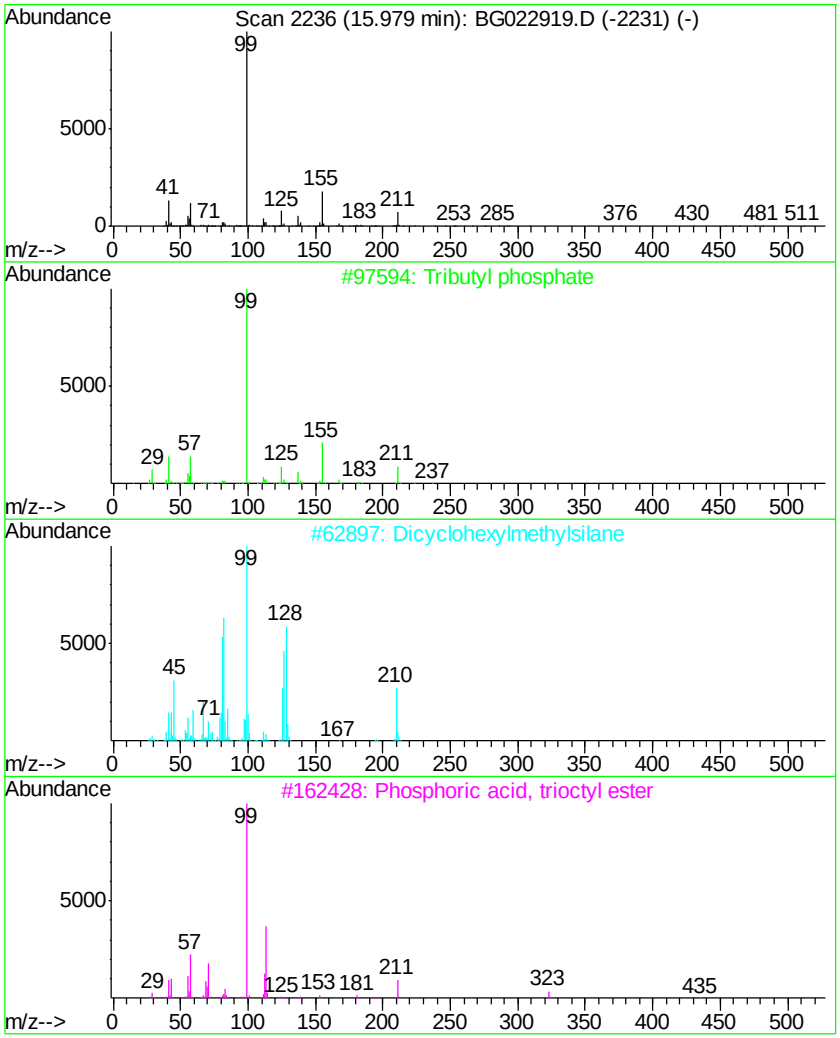
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

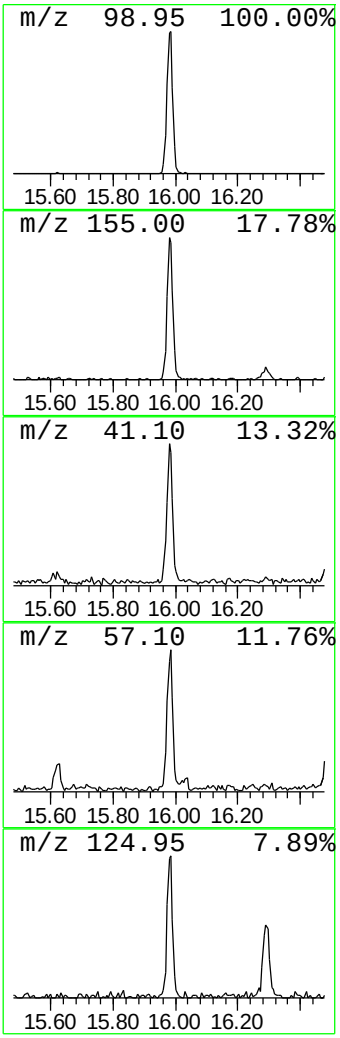
****

Peak Number 7 Tributyl phosphate Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.98	5.69 ng	562736	Acenaphthene-d10	14.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tributyl phosphate	266	C12H27O4P	000126-73-8	91
2	Dicyclohexylmethylsilane	210	C13H26Si	037591-76-7	47
3	Phosphoric acid, trioctyl ester	434	C24H51O4P	001806-54-8	42
4	Phosphoric acid, dibutyl 1-methy...	250	C11H23O4P	005954-40-5	38
5	n-Butyl methylphosphonofluoridate	154	C5H12FO2P	000352-63-6	33





Data Path : Z:\HPCHEM1\BNA G\DATA\BG070816\
Data File : BG022919.D
Acq On : 8 Jul 2016 6:45
Operator : UM/SJ
Sample : H3841-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DUP-1

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG070816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

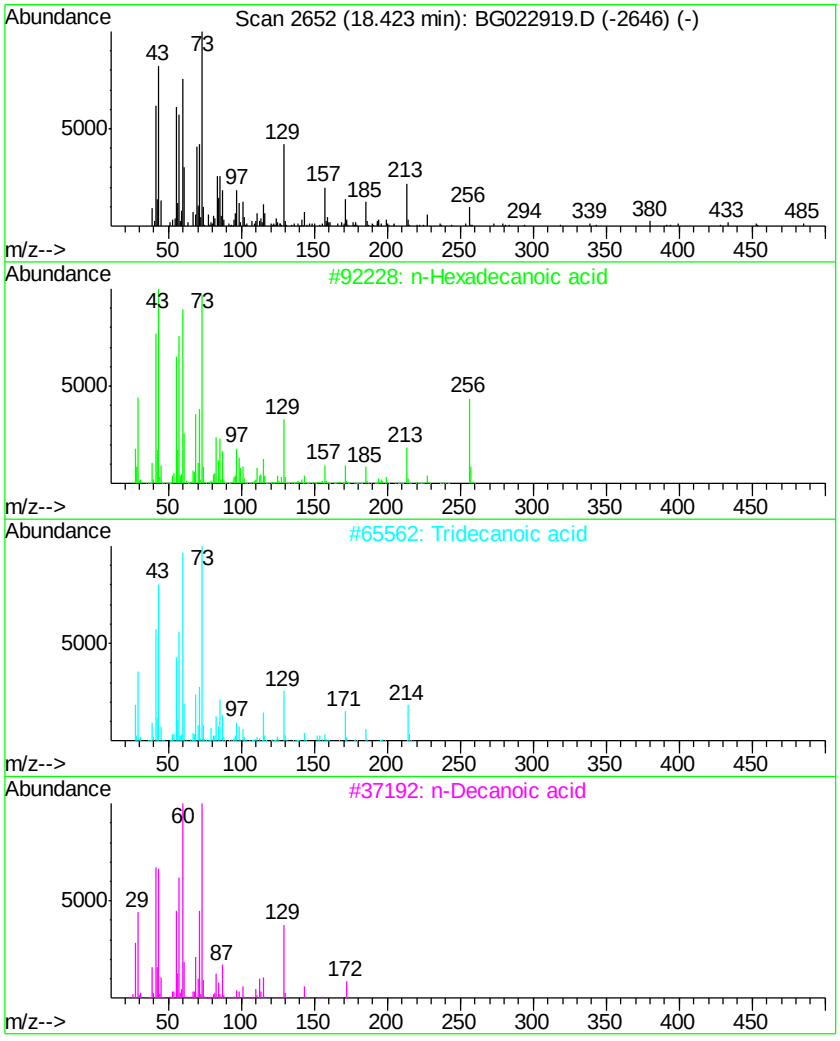
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

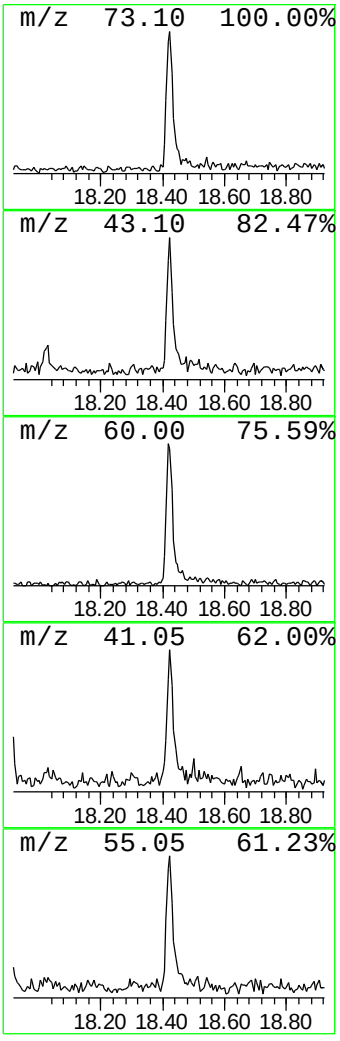
****

Peak Number 8 n-Hexadecanoic acid Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.42	2.71 ng	360075	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	97
2	Tridecanoic acid	214	C13H26O2	000638-53-9	86
3	n-Decanoic acid	172	C10H20O2	000334-48-5	70
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	64
5	Dodecanoic acid	200	C12H24O2	000143-07-7	53





Data Path : Z:\HPCHEM1\BNA G\DATA\BG070816\
Data File : BG022919.D
Acq On : 8 Jul 2016 6:45
Operator : UM/SJ
Sample : H3841-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DUP-1

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG070816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

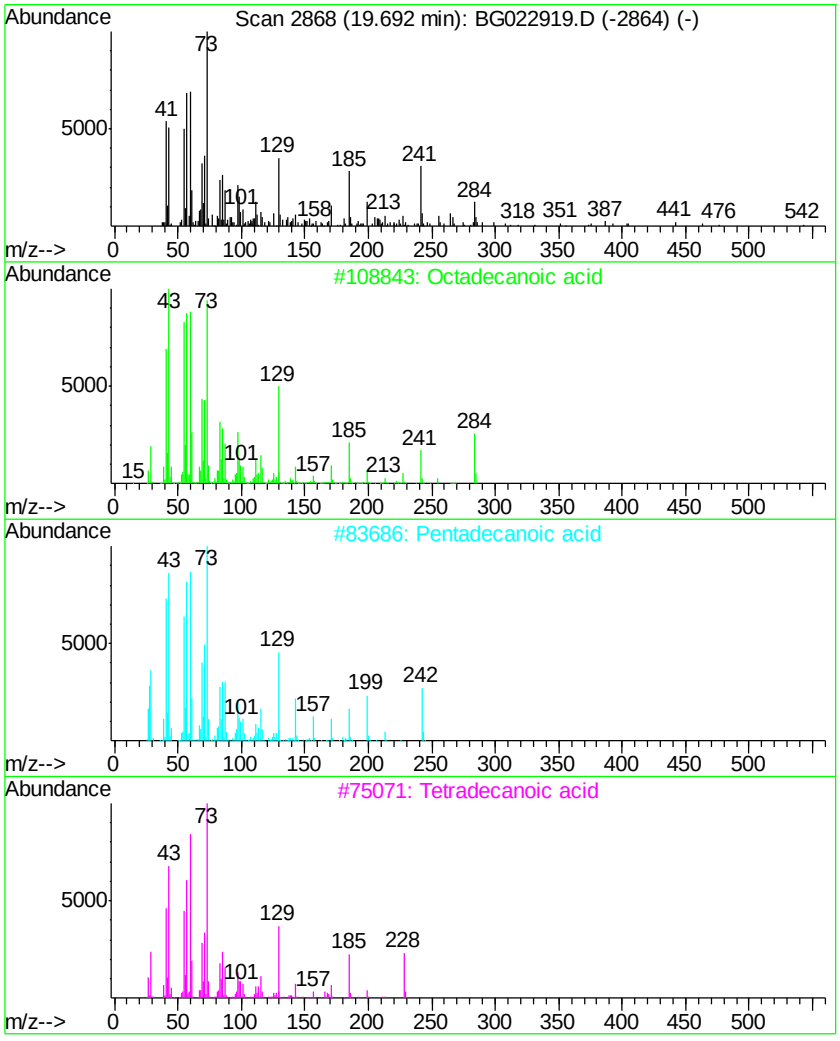
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

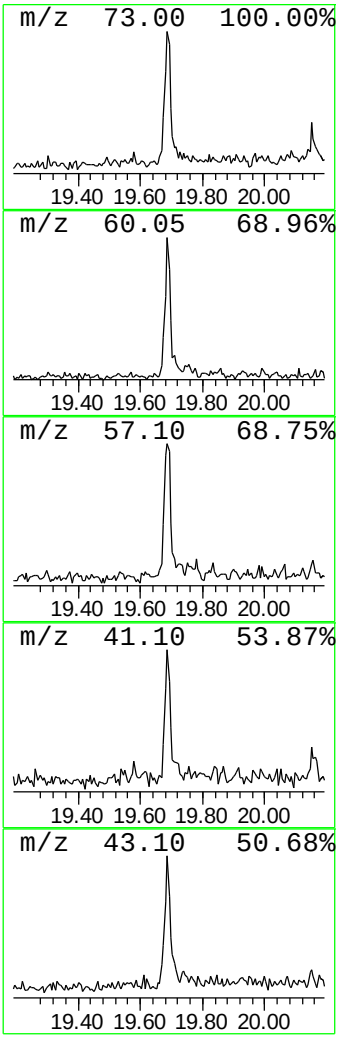
****

Peak Number 9 Octadecanoic acid Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.69	2.27 ng	301143	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	91
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	64
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	59
4	Tridecanoic acid	214	C13H26O2	000638-53-9	47
5	n-Decanoic acid	172	C10H20O2	000334-48-5	43





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070816\
Data File : BG022919.D
Acq On : 8 Jul 2016 6:45
Operator : UM/SJ
Sample : H3841-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DUP-1

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG070816.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
Silane, trimethyl-	2.96	4.1	ng	159595	1	8.15	776062	20.0
2-Pentanone, 4-hy...	5.22	8.7	ng	336153	1	8.15	776062	20.0
unknown7.68	7.68	90.6	ng	3514340	1	8.15	776062	20.0
Nonanoic acid	11.77	10.7	ng	631211	2	10.98	1180280	20.0
n-Decanoic acid	13.06	5.7	ng	563023	3	14.80	1979720	20.0
Tributyl phosphate	15.98	5.7	ng	562736	3	14.80	1979720	20.0
n-Hexadecanoic acid	18.42	2.7	ng	360075	4	17.55	2658510	20.0
Octadecanoic acid	19.69	2.3	ng	301143	4	17.55	2658510	20.0