LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG051319\
Data File : BG040918.D
Acq On : 13 May 2019 19:26
Operator : HP/JU
Sample : K2823-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 11-B2

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:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG042319.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	3.135	3	8	17	rBV	376415	687194	21.75%	3.263%
2	3.211	17	21	34	rVB	182004	268645	8.50%	1.276%
3	5.661	431	438	449	rBV	747116	1194657	37.81%	5.673%
4	7.265	702	711	724	rBV	828885	1445268	45.75%	6.862%
5	7.653	768	777	788	rVB	768767	1307034	41.37%	6.206%
6	8.129	851	858	870	rVB	173381	313038	9.91%	1.486%
7	8.452	905	913	920	rVB	502693	841218	26.63%	3.994%
8	8.752	957	964	974	rBV5	18066	36997	1.17%	0.176%
9	9.304	1048	1058	1065	rBV	478231	856785	27.12%	4.068%
10	10.949	1326	1338	1352	rVV	229313	426069	13.49%	2.023%
11	11.067	1352	1358	1363	rVB4	23602	42403	1.34%	0.201%
12	11.819	1482	1486	1496	rVB5	17913	33100	1.05%	0.157%
13	11.919	1498	1503	1508	rVB2	28893	46319	1.47%	0.220%
14	13.382	1745	1752	1758	rBV	1303362	1964589	62.18%	9.328%
15	14.198	1883	1891	1896	rBV	215332	323224	10.23%	1.535%
16	14.757	1980	1986	1994	rVB2	426428	682766	21.61%	3.242%
17	15.961	2186	2191	2195	rVB3	20699	34192	1.08%	0.162%
18	16.243	2232	2239	2247	rBV	1334771	2009350	63.60%	9.541%
19	16.437	2268	2272	2278	rBV2	34162	53980	1.71%	0.256%
20	17.500	2448	2453	2465	rVB2	613856	920102	29.12%	4.369%
21	18.358	2593	2599	2606	rBV2	330917	488417	15.46%	2.319%
22	19.622	2809	2814	2825	rBV	231527	368953	11.68%	1.752%
23	20.097	2889	2895	2904	rBV	2475576	3159366	100.00%	15.001%
24	21.378	3109	3113	3121	rBV	78012	143719	4.55%	0.682%
25	21.784	3171	3182	3189	rBV2	630616	1098190	34.76%	5.214%
26	21.936	3204	3208	3214	rVB	47141	61997	1.96%	0.294%
27	22.559	3307	3314	3319	rBV	72841	124318	3.93%	0.590%
28	23.270	3429	3435	3443	rBV2	108747	206657	6.54%	0.981%
29	24.105	3570	3577	3584	rVB2	117355	257424	8.15%	1.222%
30	25.127	3737	3751	3763	rBV2	372394	1315307	41.63%	6.245%
31	26.261	3935	3944	3954	rBV3	69922	216141	6.84%	1.026%
32	27.671	4177	4184	4197	rVB6	37201	133036	4.21%	0.632%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG051319\
Data File : BG040918.D
Acq On : 13 May 2019 19:26
Operator : HP/JU
Sample : K2823-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 11-B2

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:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG042319.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

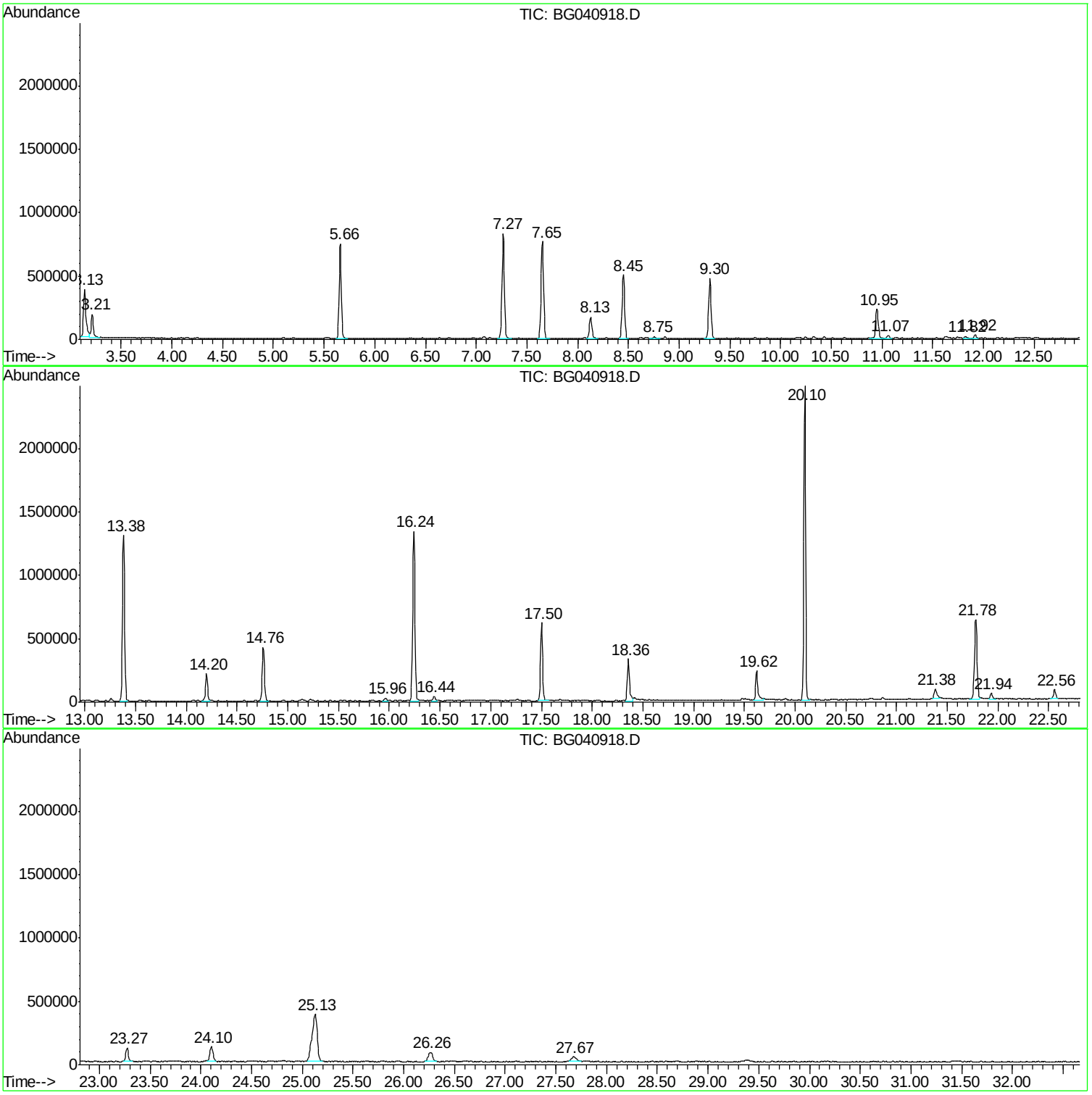
Sum of corrected areas: 21060455

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG051319\
Data File : BG040918.D
Acq On : 13 May 2019 19:26
Operator : HP/JU
Sample : K2823-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 11-B2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG042319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG051319\
Data File : BG040918.D
Acq On : 13 May 2019 19:26
Operator : HP/JU
Sample : K2823-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 11-B2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG042319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

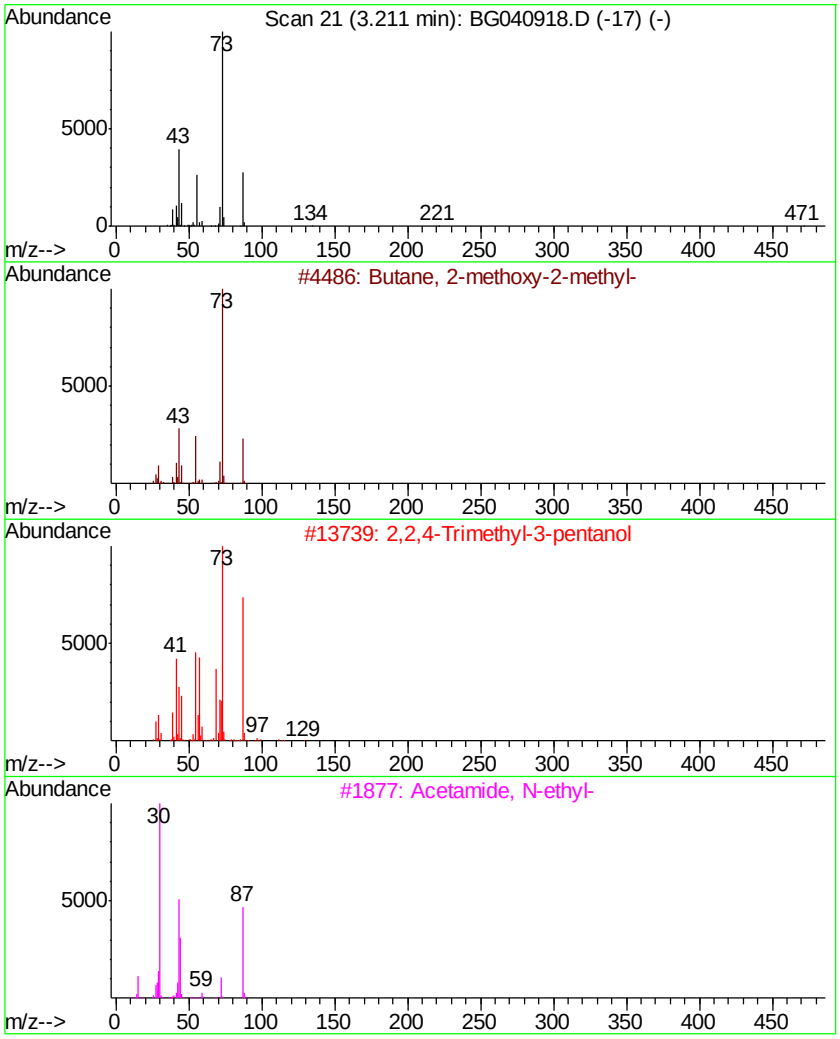
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

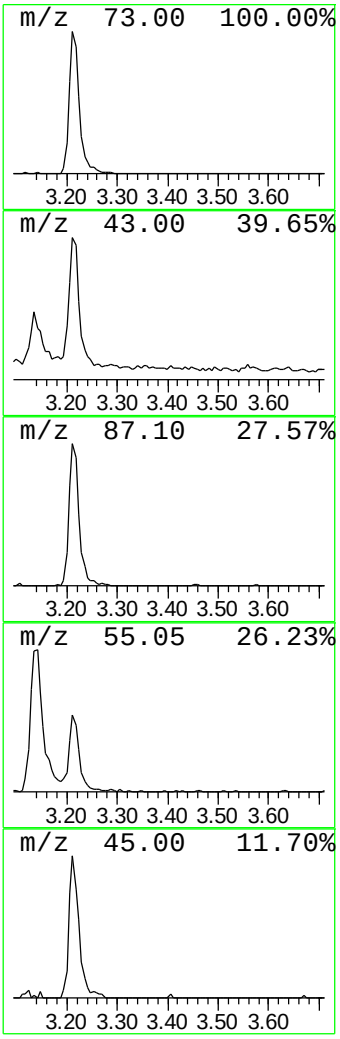
****

Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.21	17.16 ng	268645	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	78
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
3	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	12
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	12
5	N-Ethylformamide	73	C3H7NO	000627-45-2	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG051319\
Data File : BG040918.D
Acq On : 13 May 2019 19:26
Operator : HP/JU
Sample : K2823-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 11-B2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG042319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

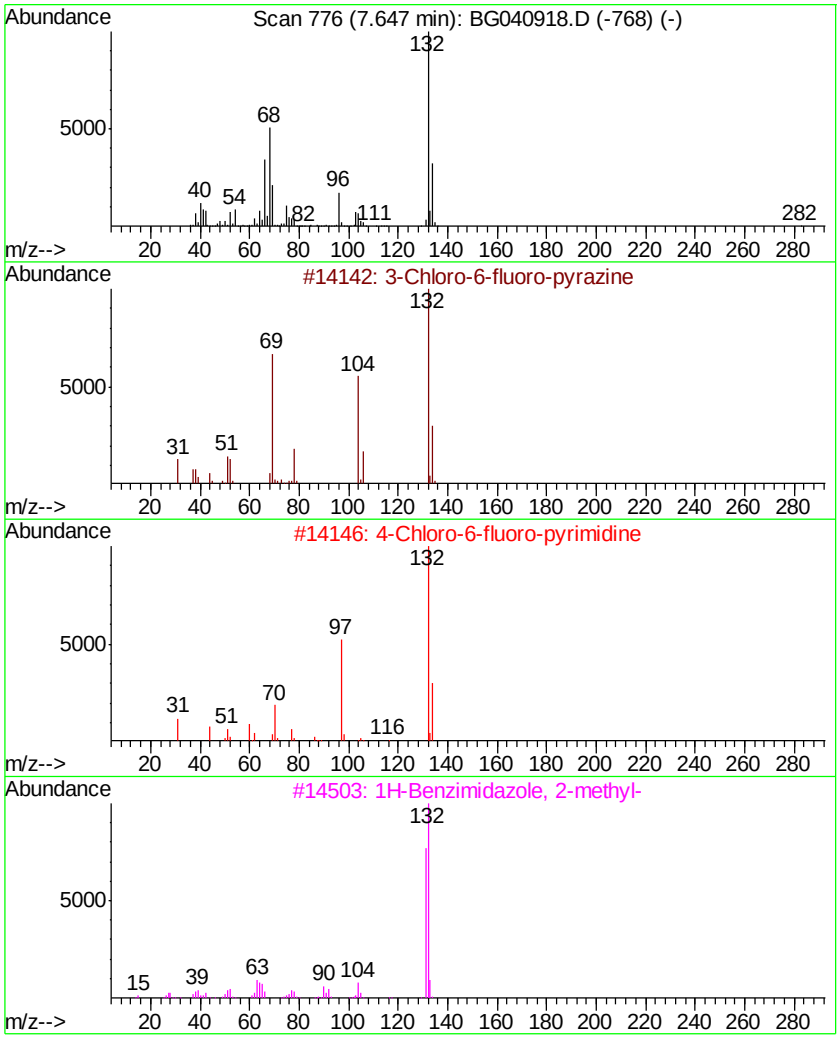
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

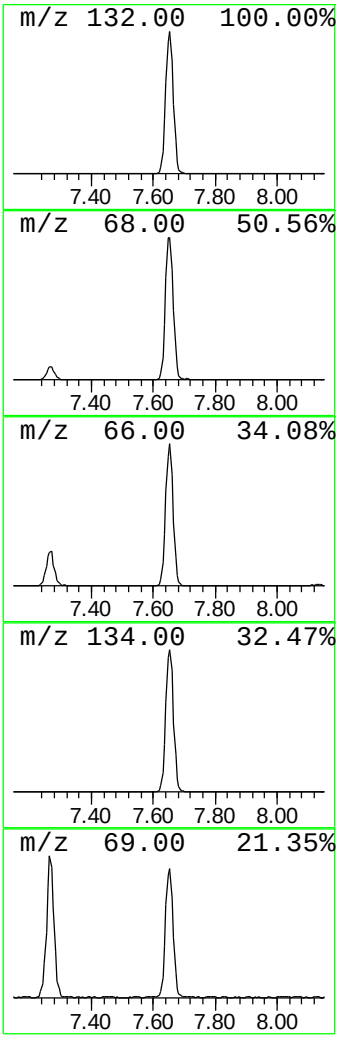
****

Peak Number 3 unknown7.65 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.65	83.51 ng	1307030	1,4-Dichlorobenzene-d4	8.13

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	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	22
4	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	22
5	1,3-Cyclopentanedione, 2-chloro-	132	C5H5ClO2	014203-19-1	13





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG051319\
Data File : BG040918.D
Acq On : 13 May 2019 19:26
Operator : HP/JU
Sample : K2823-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 11-B2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG042319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

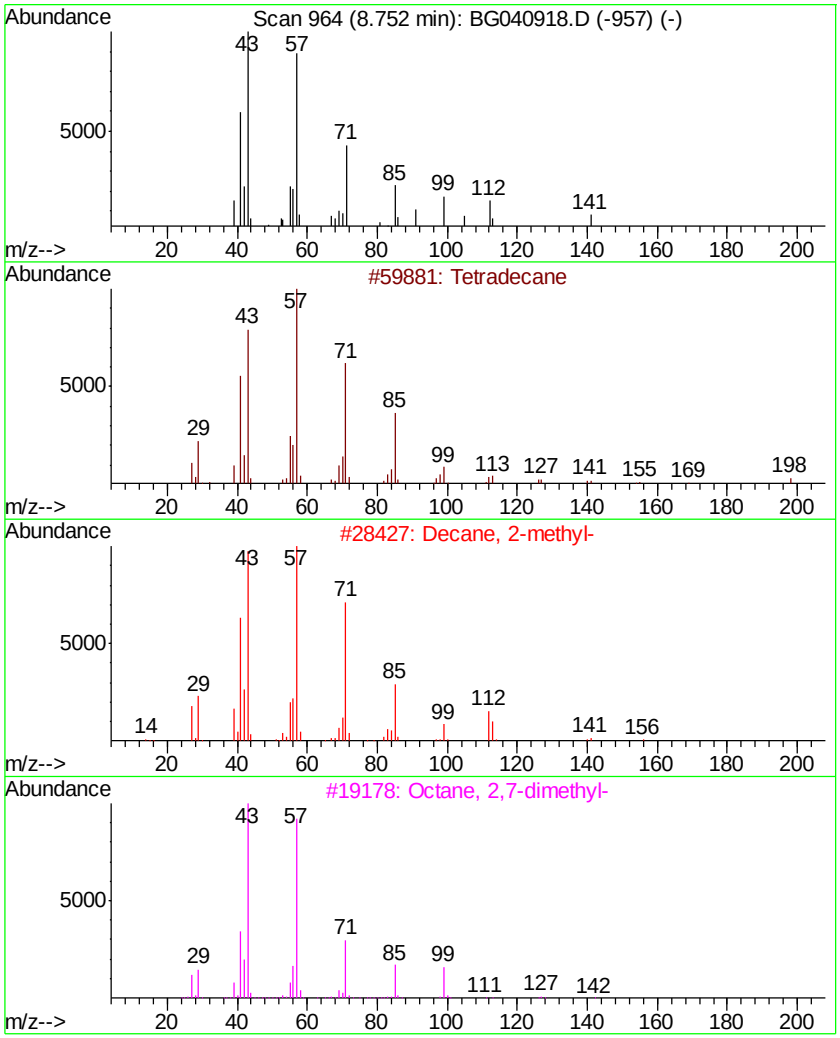
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

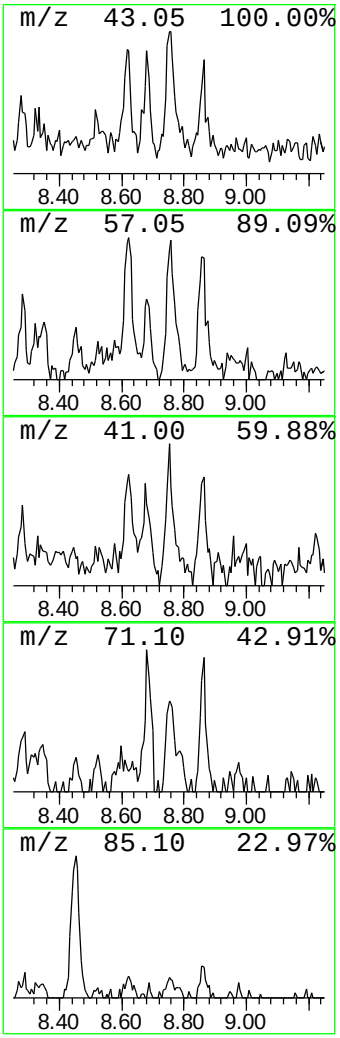
****

Peak Number 5 Tetradecane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.75	2.36 ng	36997	1,4-Dichlorobenzene-d4	8.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	64
2	Decane, 2-methyl-	156	C11H24	006975-98-0	64
3	Octane, 2,7-dimethyl-	142	C10H22	001072-16-8	64
4	Silane, trichlorooctadecyl-	386	C18H37Cl3Si	000112-04-9	59
5	Octane, 2-methyl-	128	C9H20	003221-61-2	59





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG051319\
Data File : BG040918.D
Acq On : 13 May 2019 19:26
Operator : HP/JU
Sample : K2823-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 11-B2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG042319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

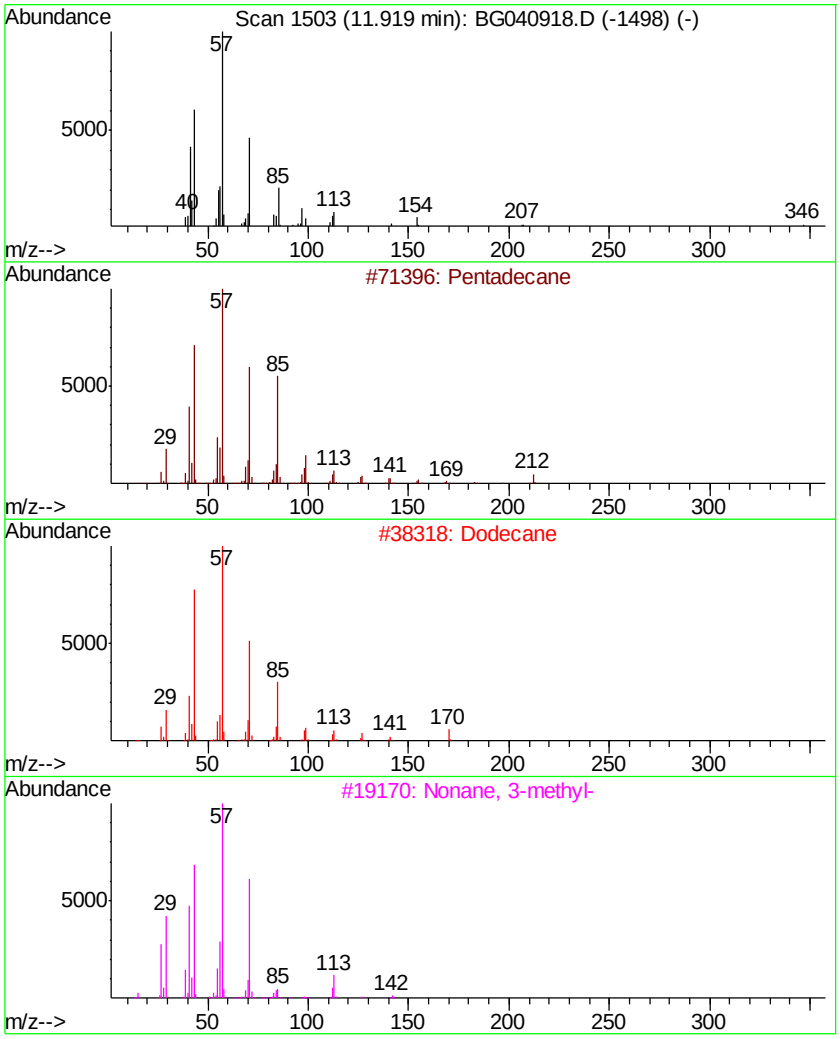
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

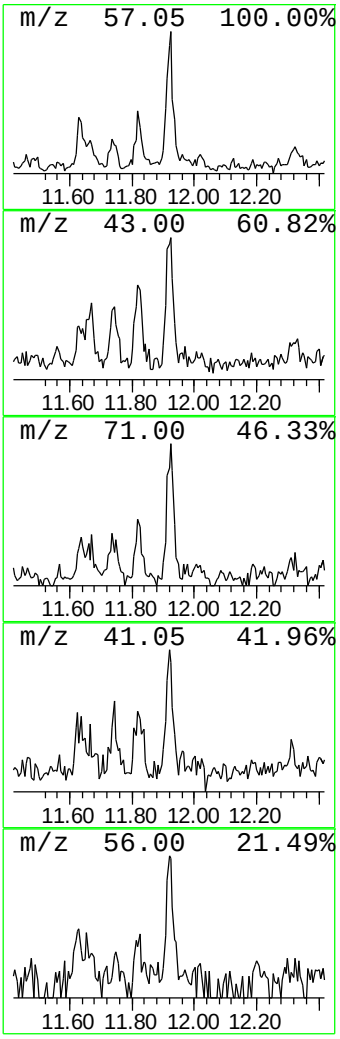
****

Peak Number 6 Pentadecane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.92	2.17 ng	46319	Naphthalene-d8	10.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane	212	C15H32	000629-62-9	59
2	Dodecane	170	C12H26	000112-40-3	53
3	Nonane, 3-methyl-	142	C10H22	005911-04-6	53
4	Methoxyacetic acid, 2-tetradecyl...	286	C17H34O3	1000282-04-8	53
5	Hexatriacontane	507	C36H74	000630-06-8	50





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG051319\
Data File : BG040918.D
Acq On : 13 May 2019 19:26
Operator : HP/JU
Sample : K2823-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 11-B2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG042319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

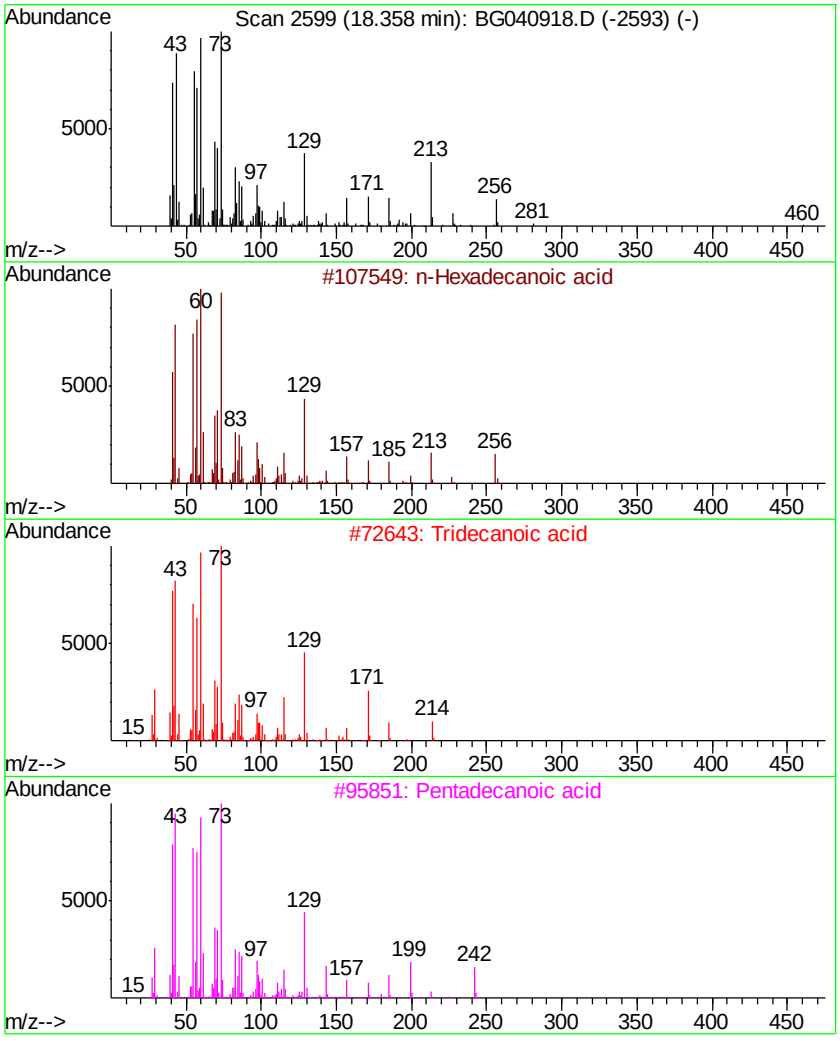
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

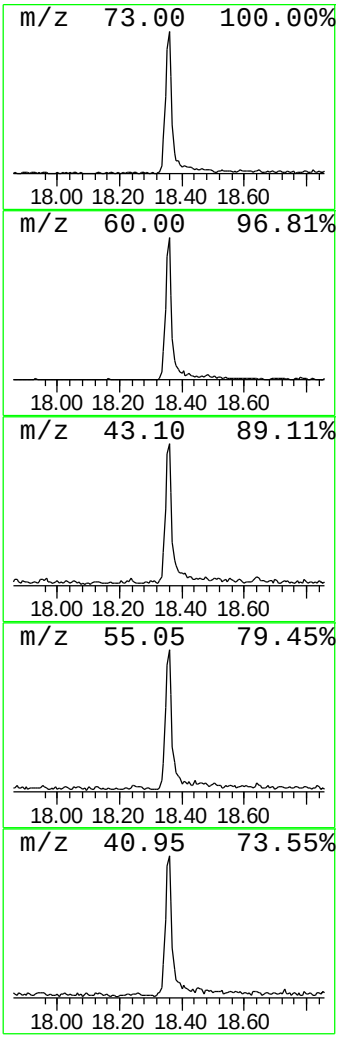
****

Peak Number 7 n-Hexadecanoic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.36	10.62 ng	488417	Phenanthrene-d10	17.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Tridecanoic acid	214	C13H26O2	000638-53-9	91
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	87
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	80
5	n-Decanoic acid	172	C10H20O2	000334-48-5	76





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG051319\
Data File : BG040918.D
Acq On : 13 May 2019 19:26
Operator : HP/JU
Sample : K2823-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 11-B2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG042319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

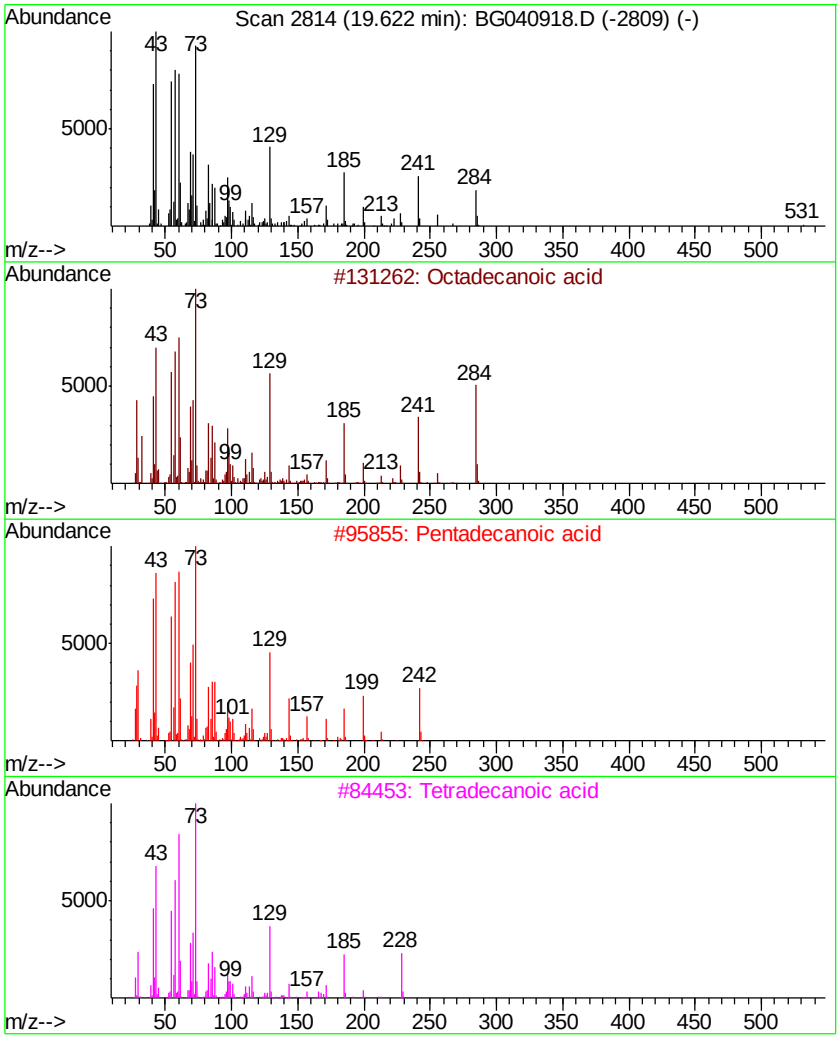
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

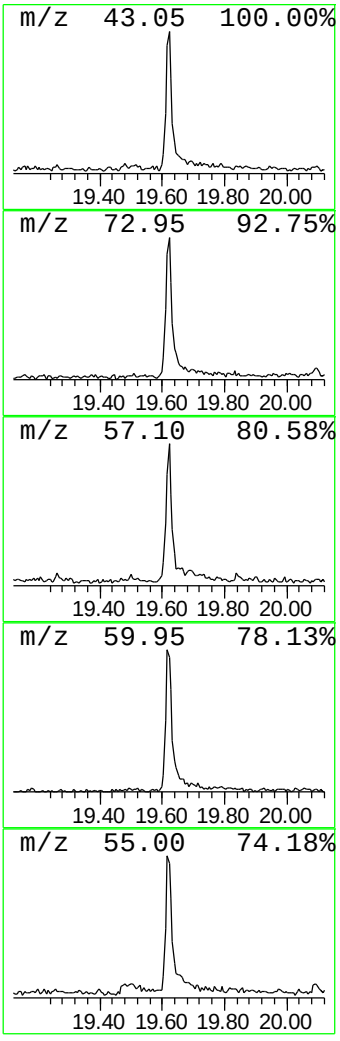
****

Peak Number 8 Octadecanoic acid Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.62	8.02 ng	368953	Phenanthrene-d10	17.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	92
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	80
4	Octadecanoic acid, 2-(2-hydroxye...	372	C22H44O4	000106-11-6	80
5	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	68





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG051319\
Data File : BG040918.D
Acq On : 13 May 2019 19:26
Operator : HP/JU
Sample : K2823-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 11-B2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG042319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

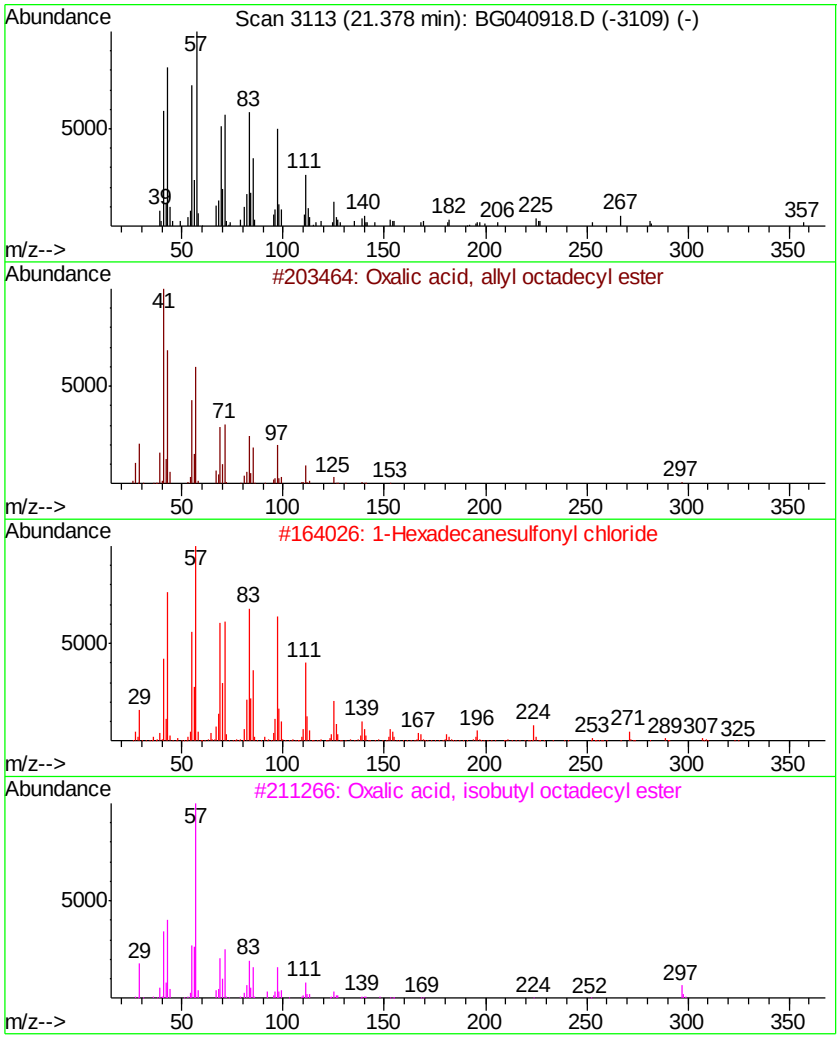
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

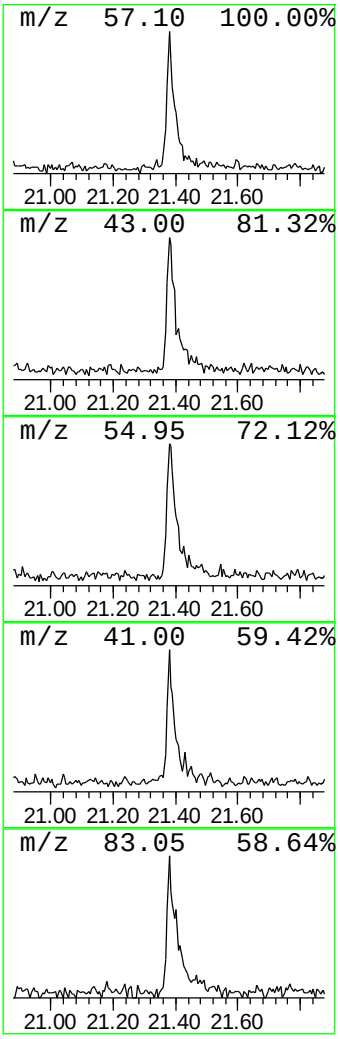
****

Peak Number 9 Oxalic acid, allyl octadecy... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.38	2.62 ng	143719	Chrysene-d12	21.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxalic acid, allyl octadecyl ester	382	C23H42O4	1000309-24-5	91
2	1-Hexadecanesulfonyl chloride	324	C16H33ClO2S	038775-38-1	91
3	Oxalic acid, isobutyl octadecyl ...	398	C24H46O4	1000309-38-3	87
4	Oxalic acid, allyl hexadecyl ester	354	C21H38O4	1000309-24-4	87
5	1-Tricosene	322	C23H46	018835-32-0	83





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG051319\
Data File : BG040918.D
Acq On : 13 May 2019 19:26
Operator : HP/JU
Sample : K2823-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 11-B2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG042319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

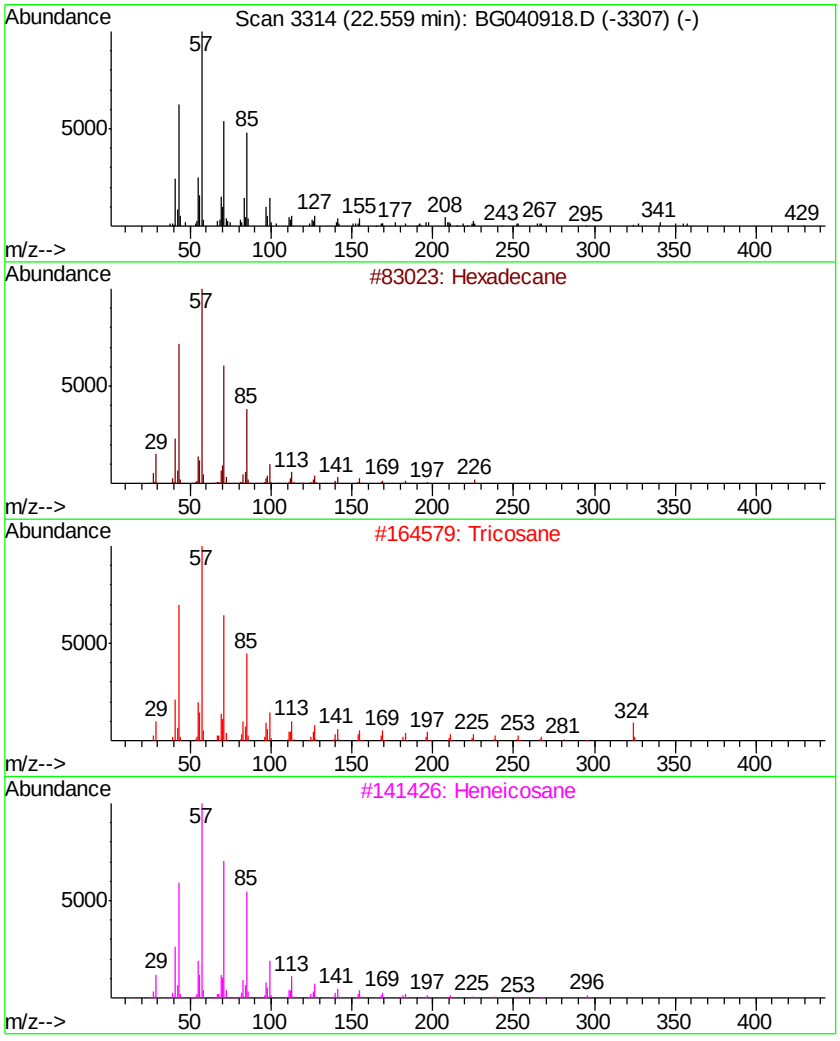
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

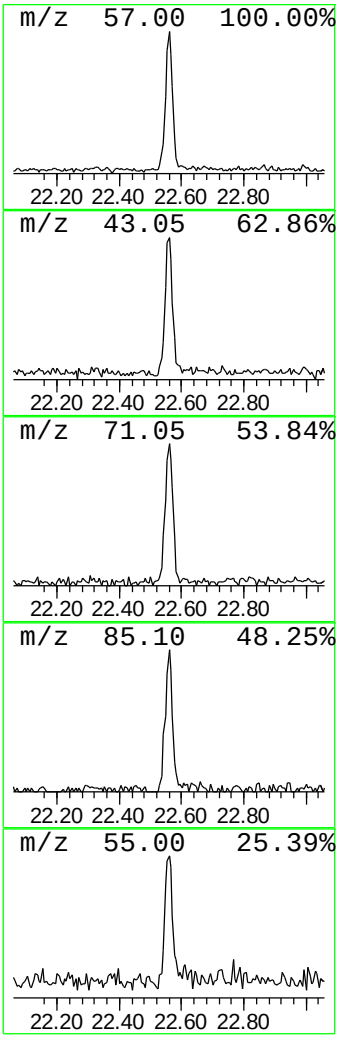
****

Peak Number 10 Hexadecane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.56	2.26 ng	124318	Chrysene-d12	21.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	92
2	Tricosane	324	C23H48	000638-67-5	89
3	Heneicosane	296	C21H44	000629-94-7	87
4	Nonadecane	268	C19H40	000629-92-5	74
5	Tetradecane	198	C14H30	000629-59-4	72





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG051319\
Data File : BG040918.D
Acq On : 13 May 2019 19:26
Operator : HP/JU
Sample : K2823-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 11-B2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG042319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

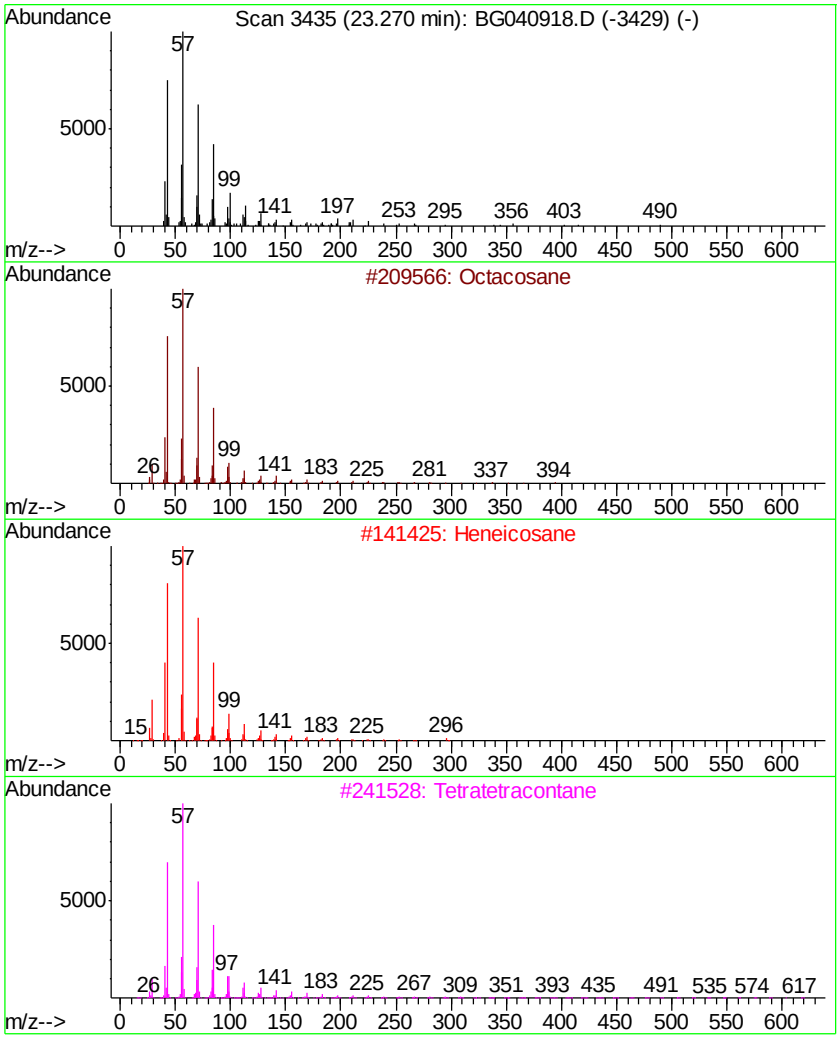
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

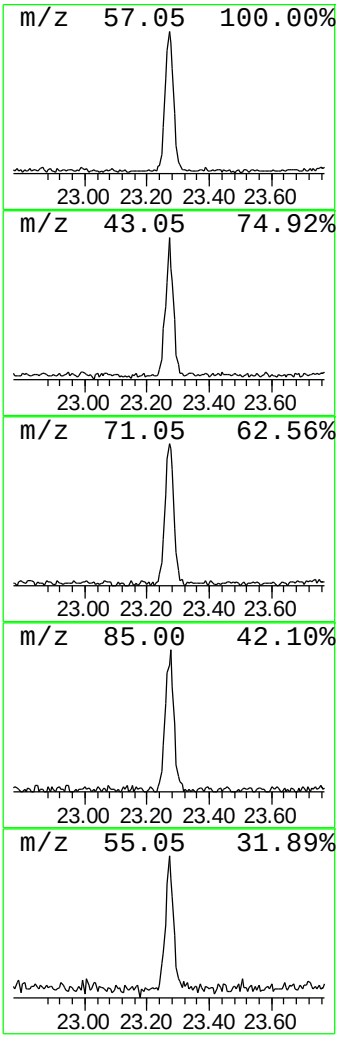
****

Peak Number 11 Octacosane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.27	3.76 ng	206657	Chrysene-d12	21.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octacosane	394	C28H58	000630-02-4	90
2	Heneicosane	296	C21H44	000629-94-7	90
3	Tetratetracontane	619	C44H90	007098-22-8	90
4	2-methyloctacosane	408	C29H60	1000376-72-8	90
5	Hexatriacontane	507	C36H74	000630-06-8	90





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Data File : BG040918.D
Acq On : 13 May 2019 19:26
Operator : HP/JU
Sample : K2823-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 11-B2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG042319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

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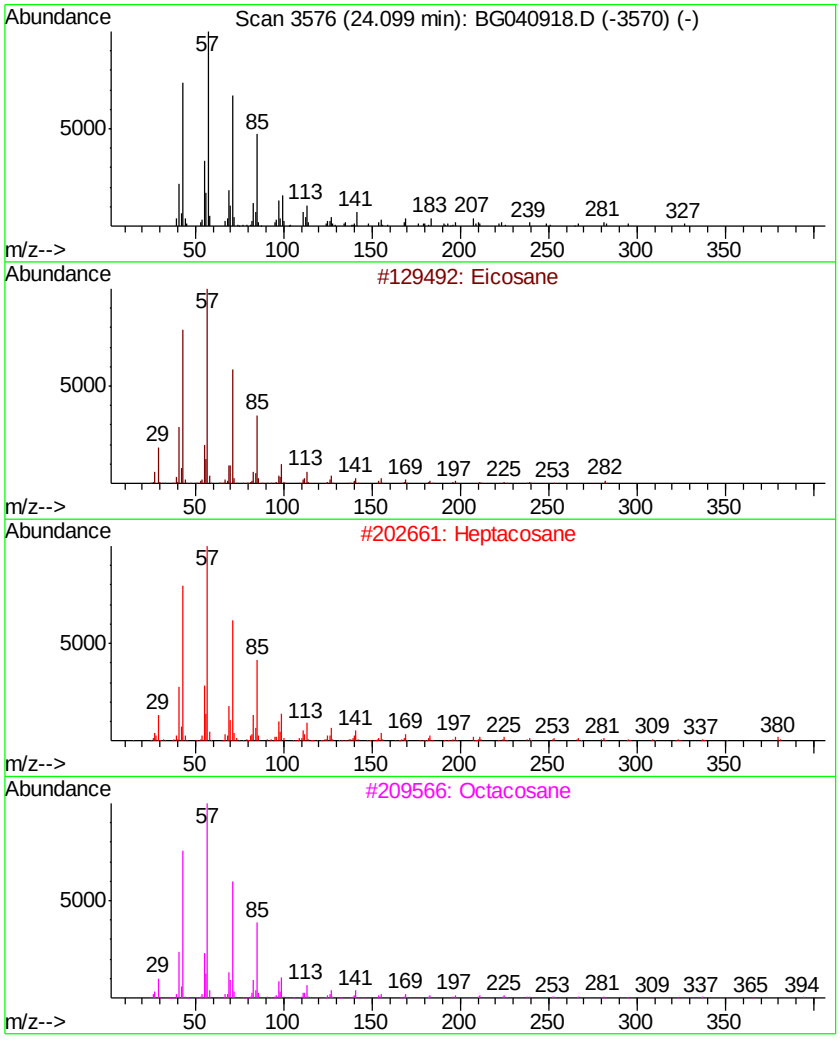
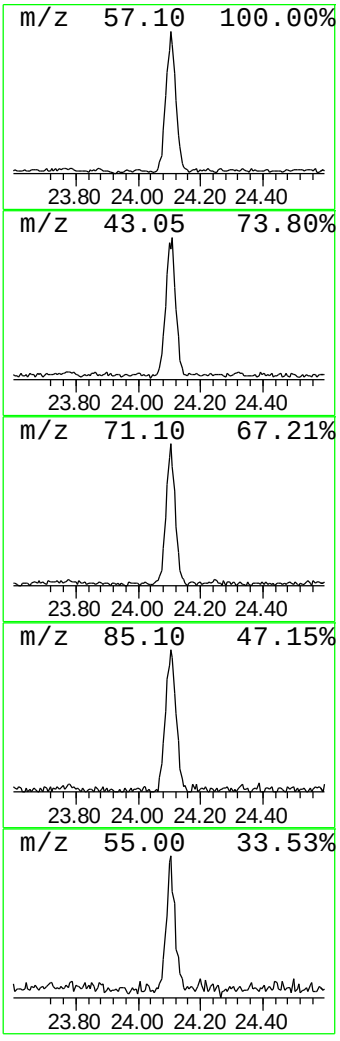
Peak Number 12 Eicosane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.10	3.91 ng	257424	Perylene-d12	25.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	93
2	Heptacosane	380	C27H56	000593-49-7	90
3	Octacosane	394	C28H58	000630-02-4	87
4	Tetracosane	338	C24H50	000646-31-1	87
5	Tetratetracontane	619	C44H90	007098-22-8	87





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG051319\
Data File : BG040918.D
Acq On : 13 May 2019 19:26
Operator : HP/JU
Sample : K2823-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 11-B2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG042319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

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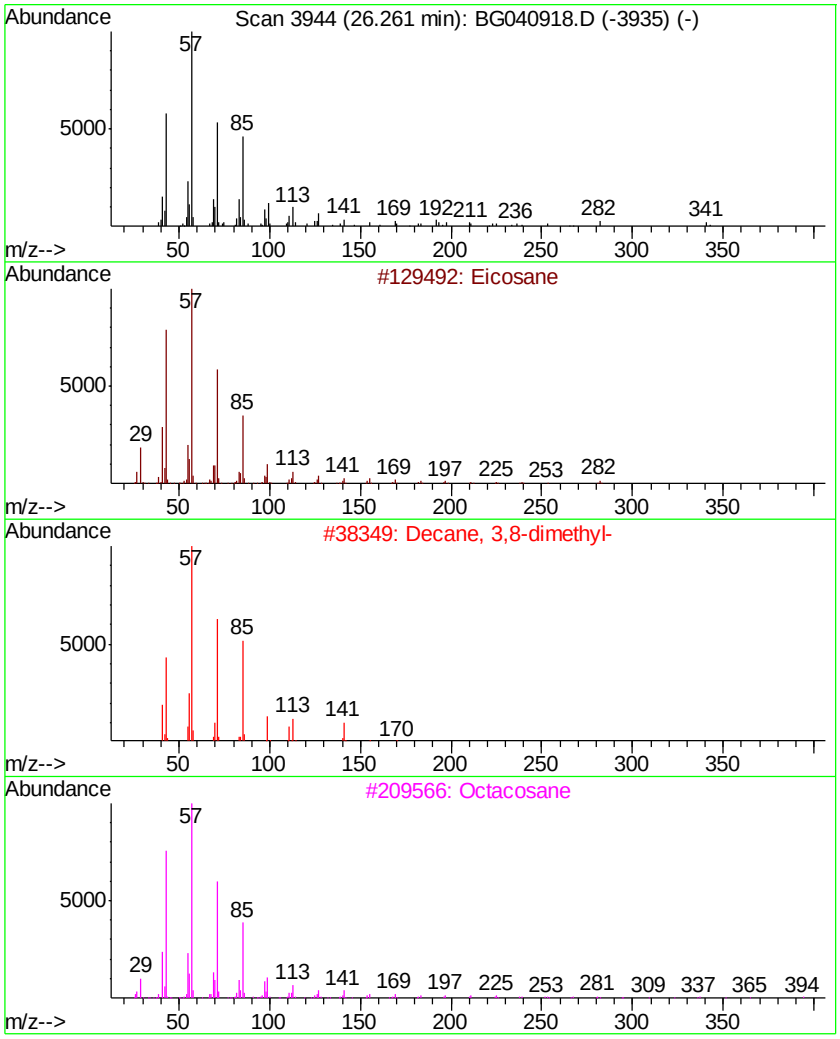
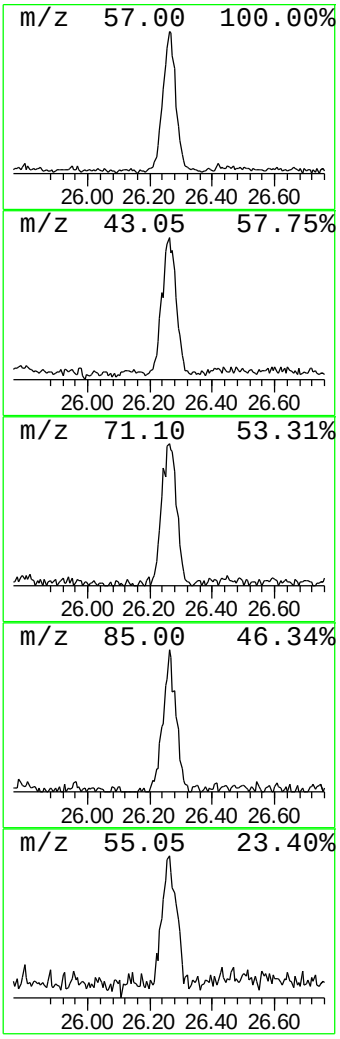
Peak Number 13 Decane, 3,8-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.26	3.29 ng	216141	Perylene-d12	25.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	93
2	Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	90
3	Octacosane	394	C28H58	000630-02-4	87
4	Octadecane	254	C18H38	000593-45-3	87
5	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	86





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG051319\
Data File : BG040918.D
Acq On : 13 May 2019 19:26
Operator : HP/JU
Sample : K2823-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 11-B2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG042319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

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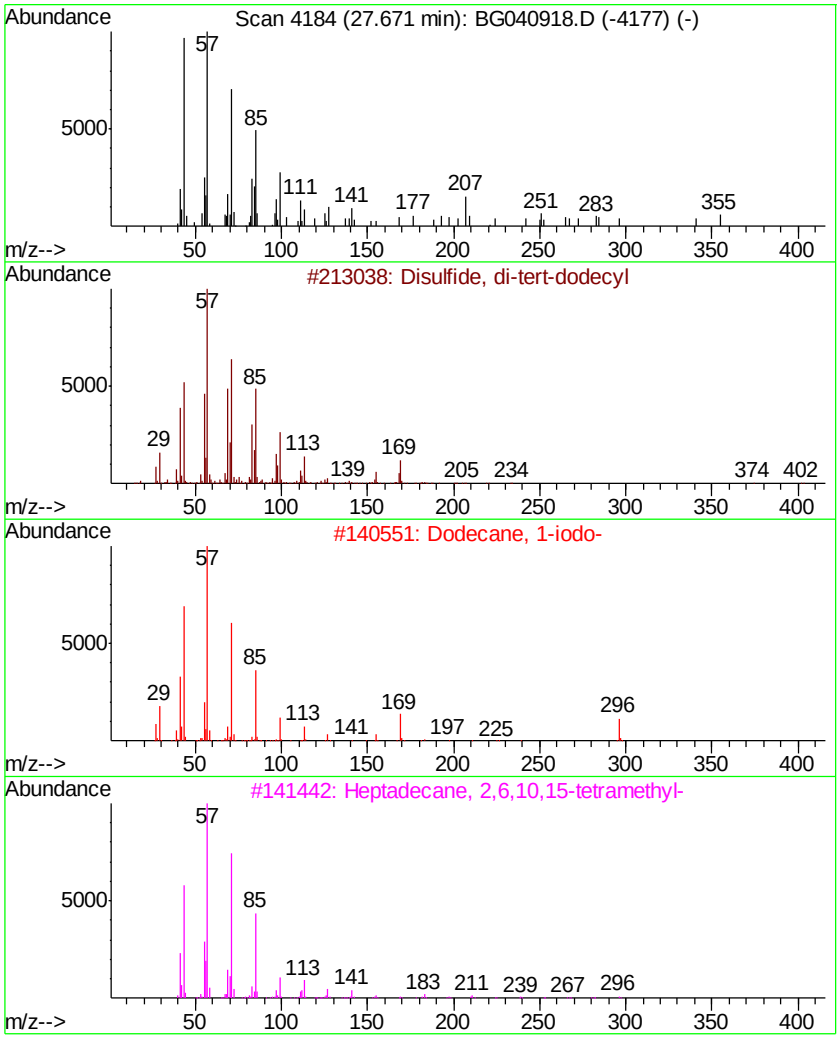
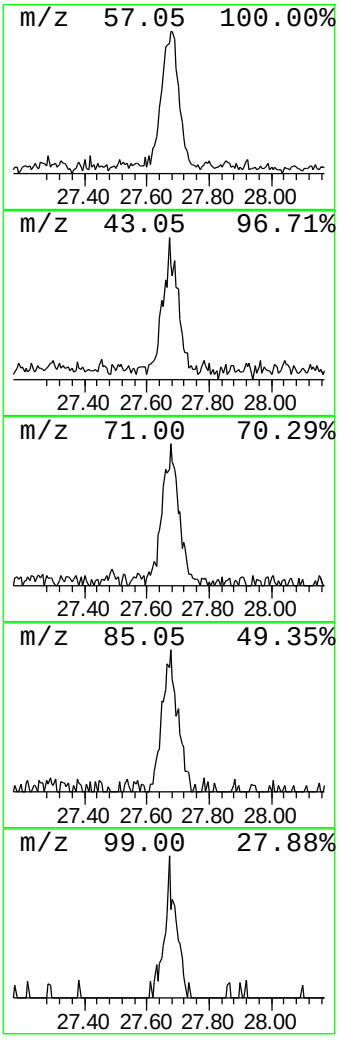
Peak Number 14 Disulfide, di-tert-dodecyl Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
27.67	2.02 ng	133036	Perylene-d12	25.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Disulfide, di-tert-dodecyl	402	C24H50S2	027458-90-8	64
2	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	53
3	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	52
4	Docosane, 11-butyl-	366	C26H54	013475-76-8	49
5	Hentriacontane	437	C31H64	000630-04-6	49





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG051319\
Data File : BG040918.D
Acq On : 13 May 2019 19:26
Operator : HP/JU
Sample : K2823-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 11-B2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG042319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-methoxy...	3.21	17.2	ng	268645	1	8.13	313038	20.0
unknown7.65	7.65	83.5	ng	1307030	1	8.13	313038	20.0
Tetradecane	8.75	2.4	ng	36997	1	8.13	313038	20.0
Pentadecane	11.92	2.2	ng	46319	2	10.95	426069	20.0
n-Hexadecanoic acid	18.36	10.6	ng	488417	4	17.50	920102	20.0
Octadecanoic acid	19.62	8.0	ng	368953	4	17.50	920102	20.0
Oxalic acid, ally...	21.38	2.6	ng	143719	5	21.78	1098190	20.0
Hexadecane	22.56	2.3	ng	124318	5	21.78	1098190	20.0
Octacosane	23.27	3.8	ng	206657	5	21.78	1098190	20.0
Eicosane	24.10	3.9	ng	257424	6	25.13	1315310	20.0
Decane, 3,8-dimet...	26.26	3.3	ng	216141	6	25.13	1315310	20.0
Disulfide, di-ter...	27.67	2.0	ng	133036	6	25.13	1315310	20.0