LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG051119\
Data File : BG040901.D
Acq On : 12 May 2019 9:45
Operator : HP/JU
Sample : K2768-07
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P026-SS014-1218-01

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	3.143	4	9	18	rVV	105166	189435	4.56%	0.654%
2	3.219	18	22	38	rVB	229963	320155	7.70%	1.106%
3	5.663	431	438	446	rBV	1165513	1856731	44.68%	6.412%
4	7.273	703	712	722	rBV	1281203	2257486	54.33%	7.796%
5	7.661	769	778	788	rBV	1203797	2076838	49.98%	7.172%
6	8.131	851	858	868	rBV	208154	355605	8.56%	1.228%
7	8.454	906	913	925	rVB	826065	1418111	34.13%	4.897%
8	9.312	1050	1059	1068	rBV	762305	1384871	33.33%	4.782%
9	10.957	1332	1339	1346	rBV	278995	511720	12.32%	1.767%
10	13.384	1741	1752	1759	rBV	1862454	2909204	70.01%	10.046%
11	14.200	1885	1891	1898	rBV	311906	471241	11.34%	1.627%
12	14.764	1981	1987	1995	rVB2	490330	789511	19.00%	2.726%
13	16.245	2232	2239	2249	rBV	1925734	2895623	69.69%	9.999%
14	17.502	2447	2453	2459	rBV2	677310	1030430	24.80%	3.558%
15	18.360	2591	2599	2611	rBV	537405	753409	18.13%	2.602%
16	19.623	2810	2814	2821	rBV	224734	295488	7.11%	1.020%
17	20.099	2889	2895	2904	rBV	3120748	4155249	100.00%	14.349%
18	20.375	2935	2942	2948	rBV7	55391	97742	2.35%	0.338%
19	21.386	3109	3114	3133	rBV	408556	831188	20.00%	2.870%
20	21.786	3173	3182	3191	rBV2	690745	1251838	30.13%	4.323%
21	21.938	3204	3208	3212	rBV3	30241	51988	1.25%	0.180%
22	22.561	3309	3314	3317	rBV	108792	172617	4.15%	0.596%
23	22.608	3317	3322	3336	rVB3	158260	473218	11.39%	1.634%
24	23.278	3430	3436	3441	rVB3	69508	137903	3.32%	0.476%
25	23.478	3466	3470	3477	rVB4	37931	76176	1.83%	0.263%
26	23.648	3495	3499	3506	rVB6	32732	62302	1.50%	0.215%
27	24.112	3571	3578	3586	rVB2	110700	240828	5.80%	0.832%
28	24.200	3587	3593	3594	rBV3	66034	98015	2.36%	0.338%
29	25.135	3738	3752	3764	rBV2	378032	1213973	29.22%	4.192%
30	25.652	3835	3840	3852	rVB9	39847	103279	2.49%	0.357%
31	26.269	3936	3945	3959	rVB4	80686	256277	6.17%	0.885%
32	26.439	3965	3974	3981	rBV9	59731	219997	5.29%	0.760%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG051119\
Data File : BG040901.D
Acq On : 12 May 2019 9:45
Operator : HP/JU
Sample : K2768-07
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P026-SS014-1218-01

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

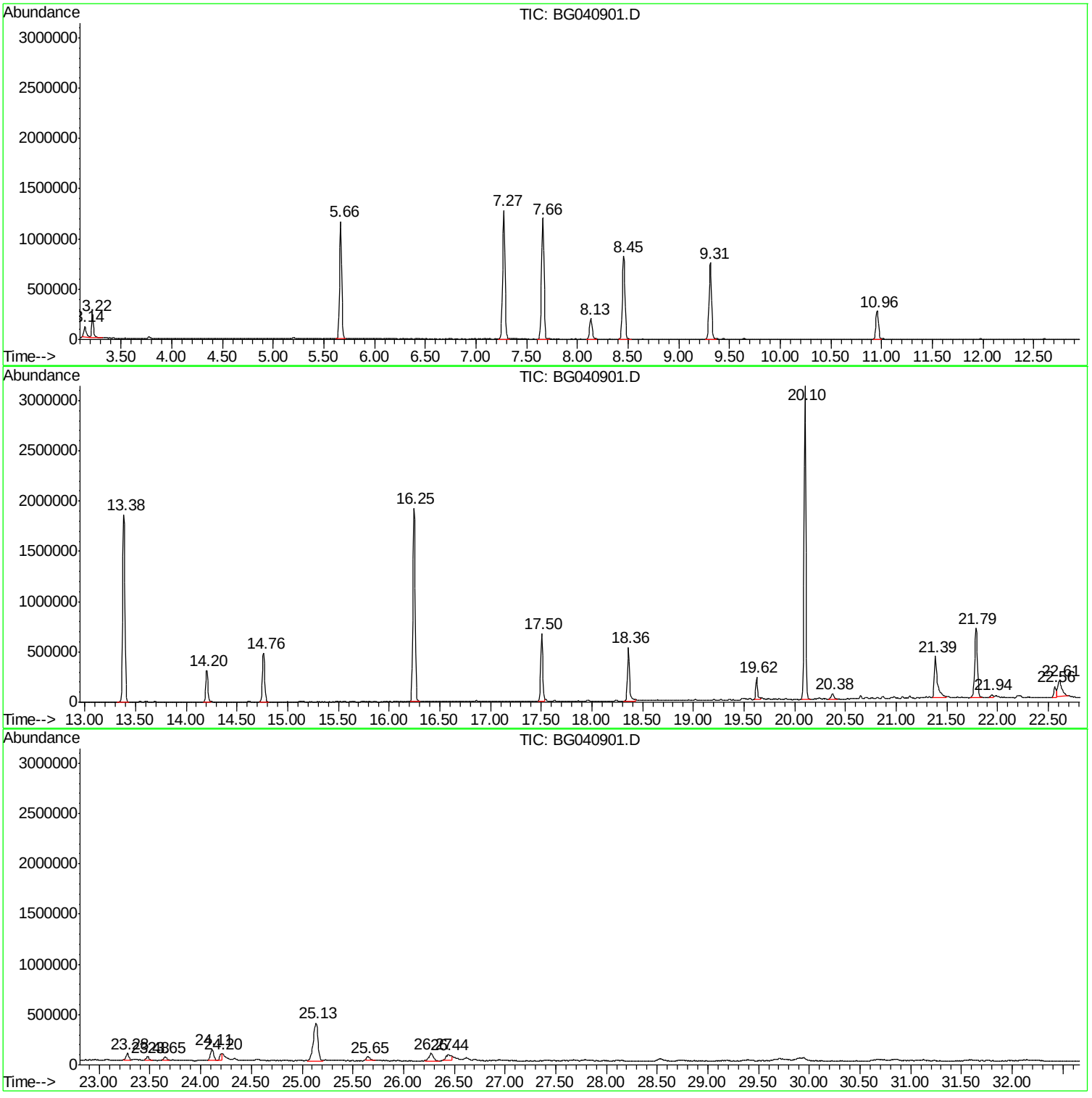
Sum of corrected areas: 28958448

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG051119\
Data File : BG040901.D
Acq On : 12 May 2019 9:45
Operator : HP/JU
Sample : K2768-07
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P026-SS014-1218-01

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\BG051119\
Data File : BG040901.D
Acq On : 12 May 2019 9:45
Operator : HP/JU
Sample : K2768-07
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P026-SS014-1218-01

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

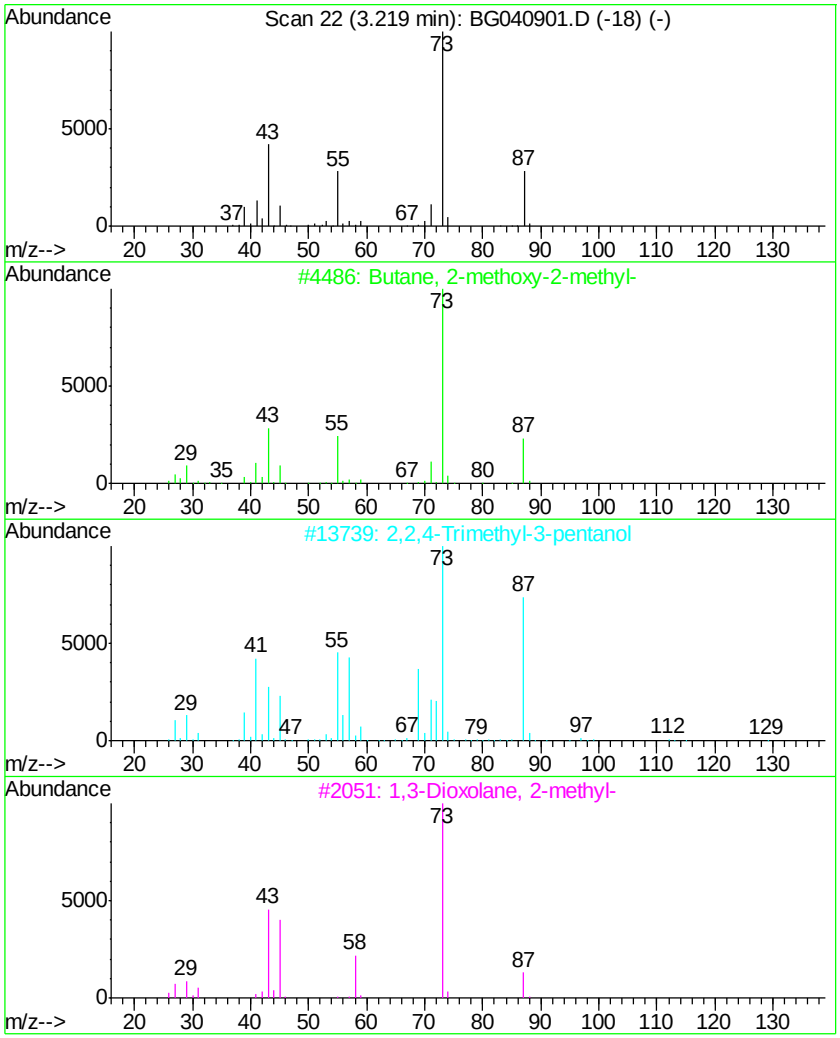
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

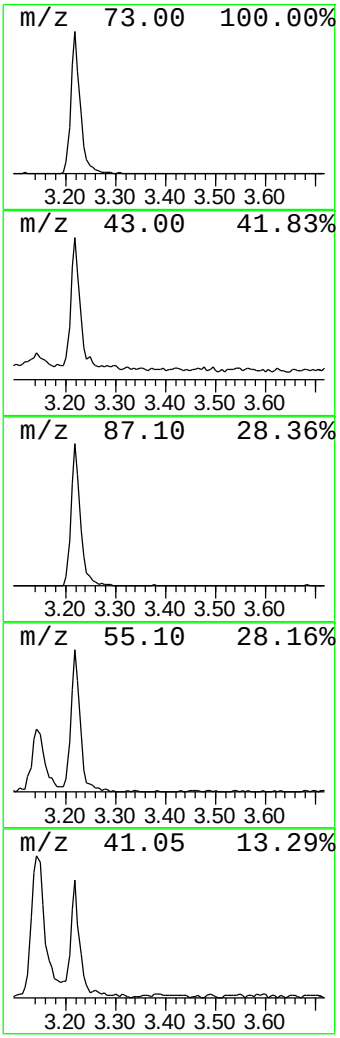
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.22	18.01 ng	320155	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	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	32
4	Silane, tetramethyl-	88	C4H12Si	000075-76-3	17
5	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	17





Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG051119\
Data File : BG040901.D
Acq On : 12 May 2019 9:45
Operator : HP/JU
Sample : K2768-07
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P026-SS014-1218-01

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

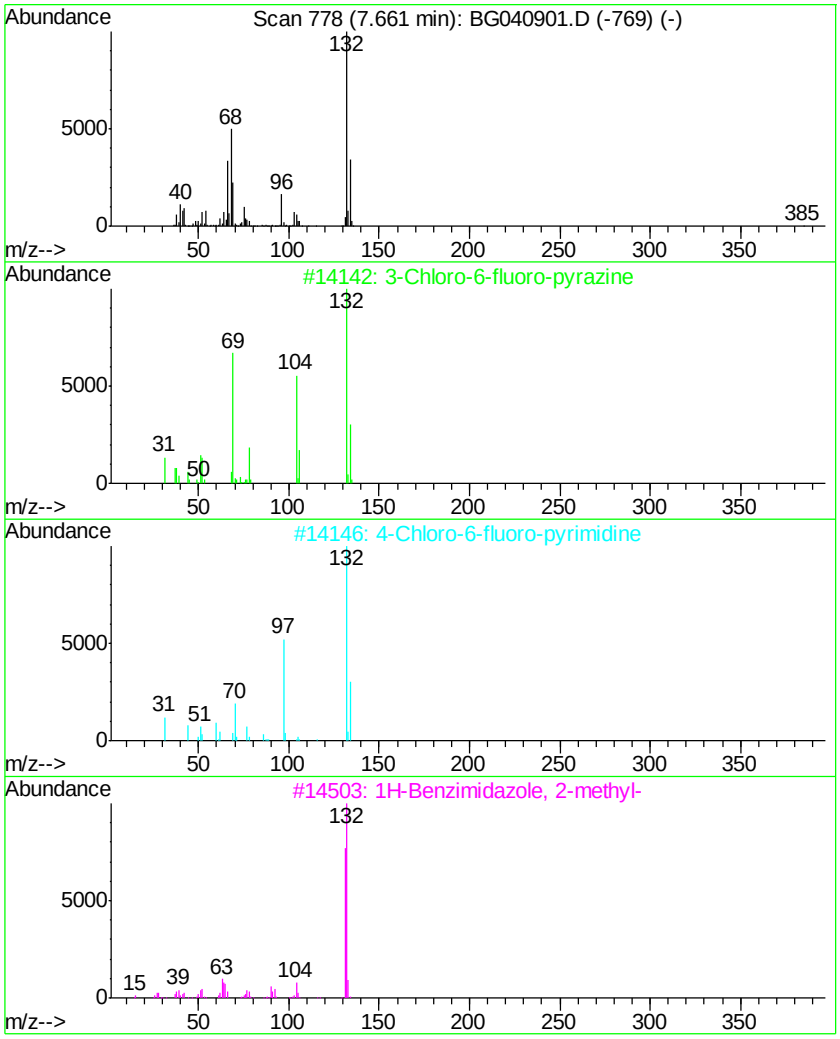
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

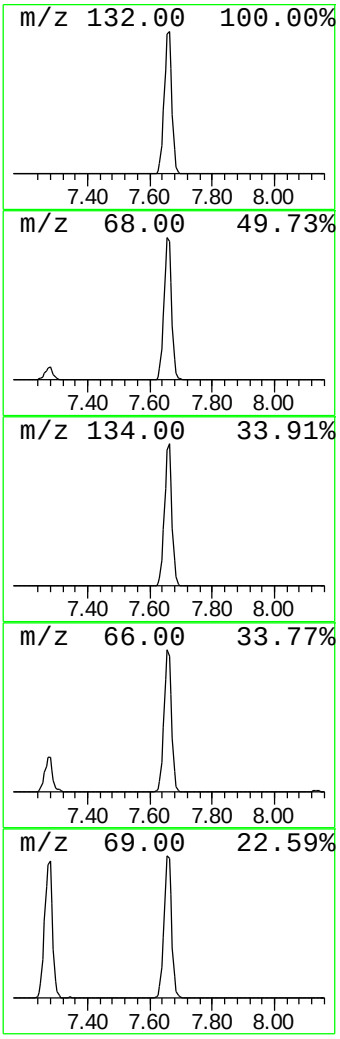
****

Peak Number 3 unknown7.66 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.66	116.81 ng	2076840	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	1,3-Cyclopentanedione, 2-chloro-	132	C5H5ClO2	014203-19-1	17
5	Pyrazolo(2,3-a)pyridine, 7-methyl-	132	C8H8N2	034760-58-2	12





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG051119\
Data File : BG040901.D
Acq On : 12 May 2019 9:45
Operator : HP/JU
Sample : K2768-07
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P026-SS014-1218-01

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

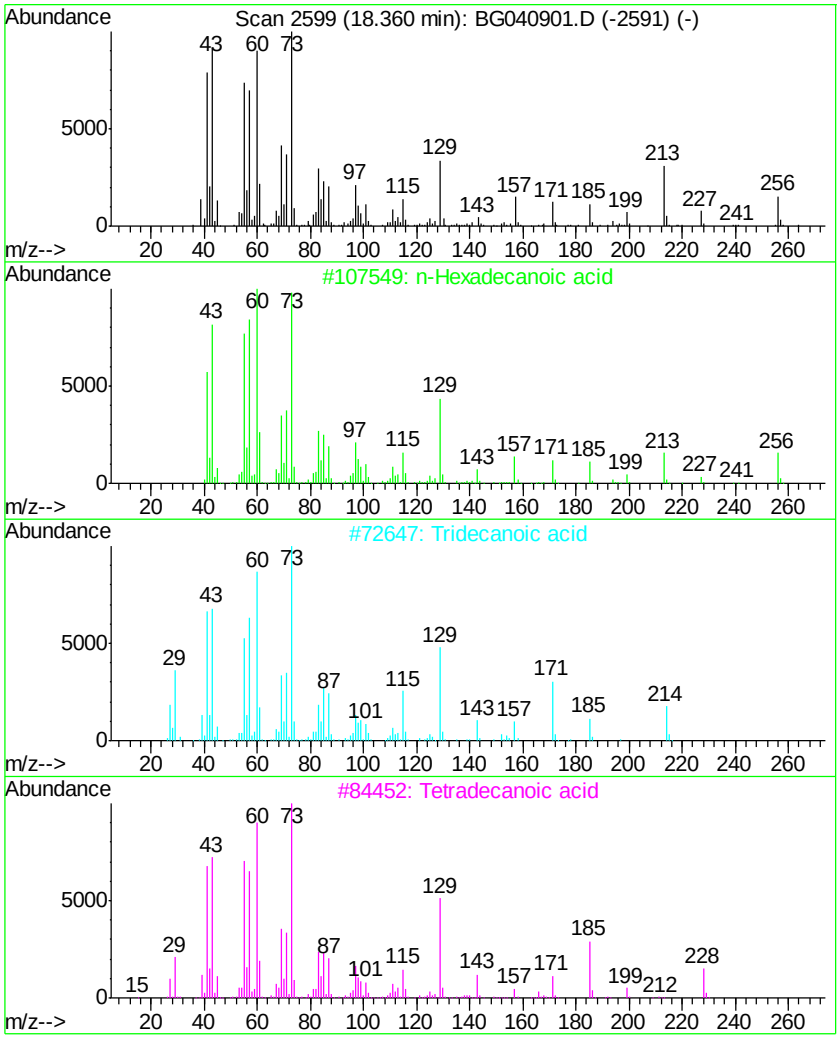
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

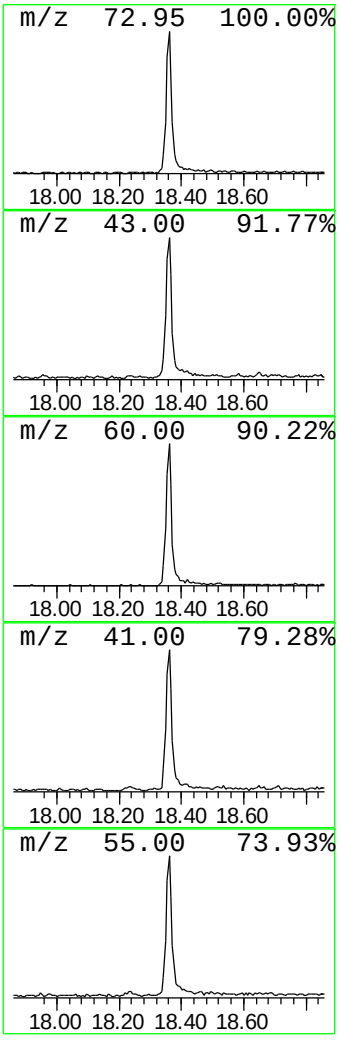
****

Peak Number 5 n-Hexadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.36	14.62 ng	753409	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	95
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	90
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	87
5	n-Decanoic acid	172	C10H20O2	000334-48-5	50





Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG051119\
Data File : BG040901.D
Acq On : 12 May 2019 9:45
Operator : HP/JU
Sample : K2768-07
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P026-SS014-1218-01

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

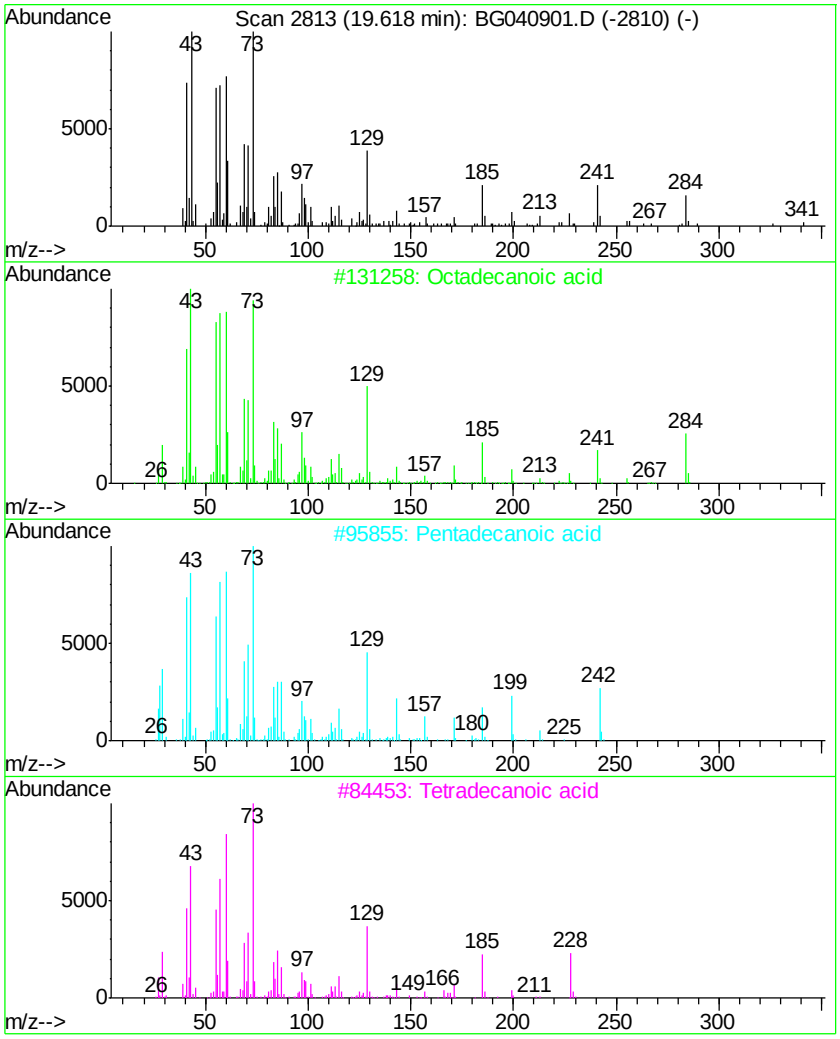
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

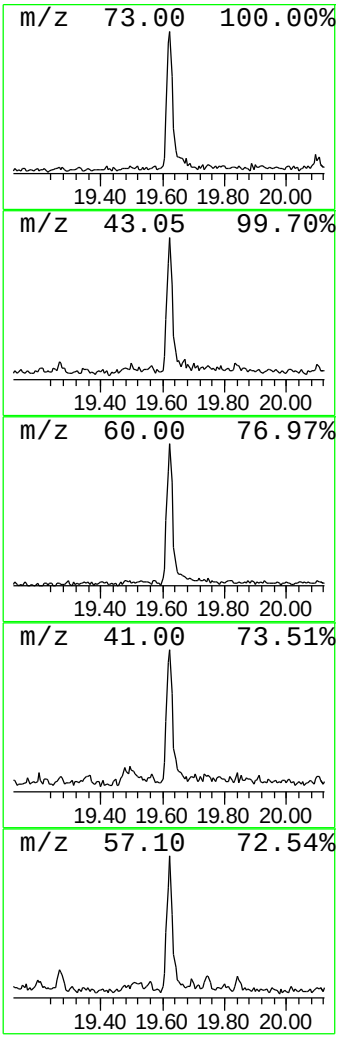
****

Peak Number 6 Octadecanoic acid Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.62	5.74 ng	295488	Phenanthrene-d10	17.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	98
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	93
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	72
4	n-Decanoic acid	172	C10H20O2	000334-48-5	70
5	Tridecanoic acid	214	C13H26O2	000638-53-9	58





Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG051119\
Data File : BG040901.D
Acq On : 12 May 2019 9:45
Operator : HP/JU
Sample : K2768-07
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P026-SS014-1218-01

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

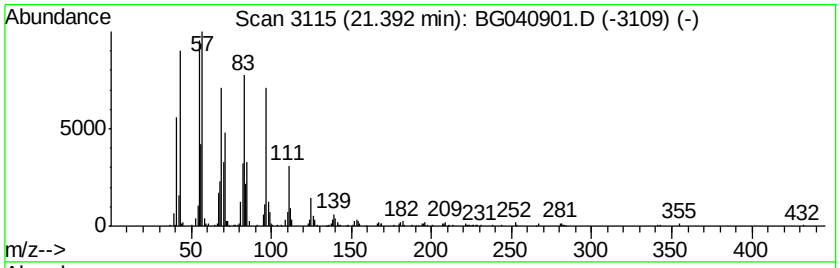
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

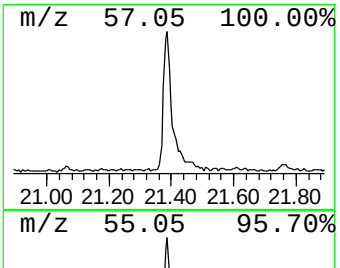
****

Peak Number 7 1-Docosene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.39	13.28 ng	831188	Chrysene-d12	21.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Docosene	308	C22H44	001599-67-3	95
2	Heptadecyl trifluoroacetate	352	C19H35F3O2	1000351-87-0	94
3	Trifluoroacetoxy hexadecane	338	C18H33F3O2	006222-03-3	94
4	Heptafluorobutyric acid, hexadec...	438	C20H33F7O2	006385-15-5	94
5	Pentafluoropropionic acid, penta...	374	C18H31F5O2	959092-08-1	94





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG051119\
Data File : BG040901.D
Acq On : 12 May 2019 9:45
Operator : HP/JU
Sample : K2768-07
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P026-SS014-1218-01

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

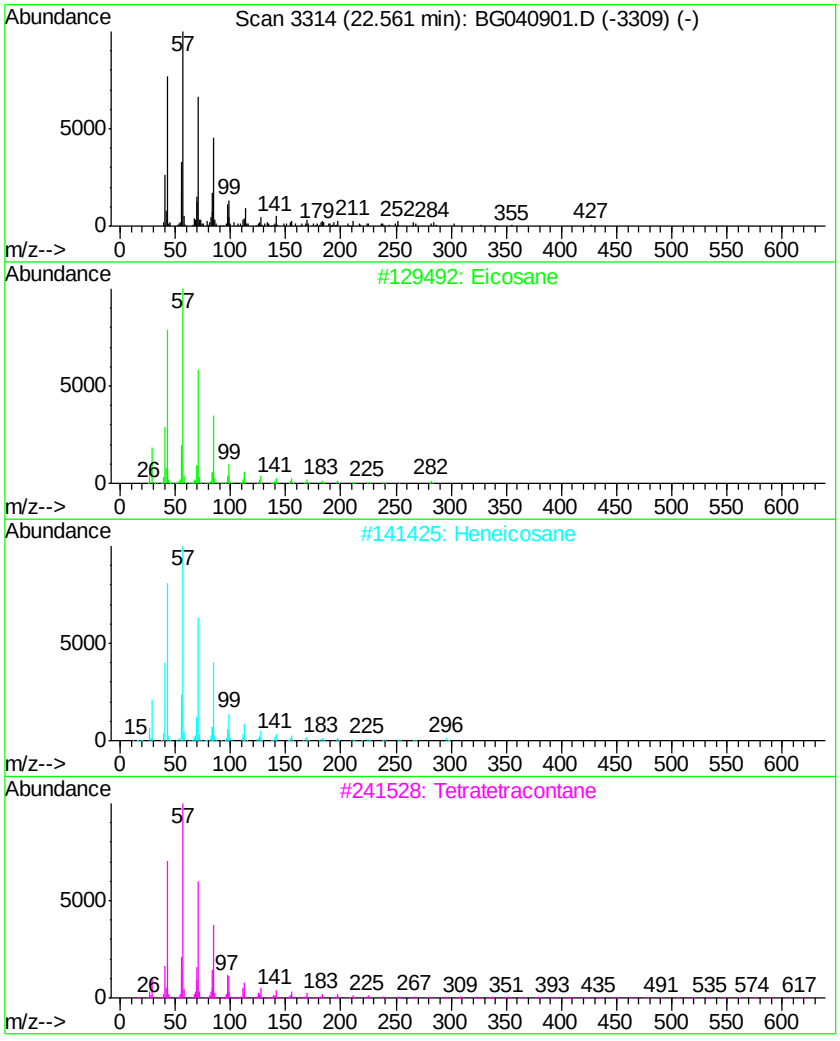
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

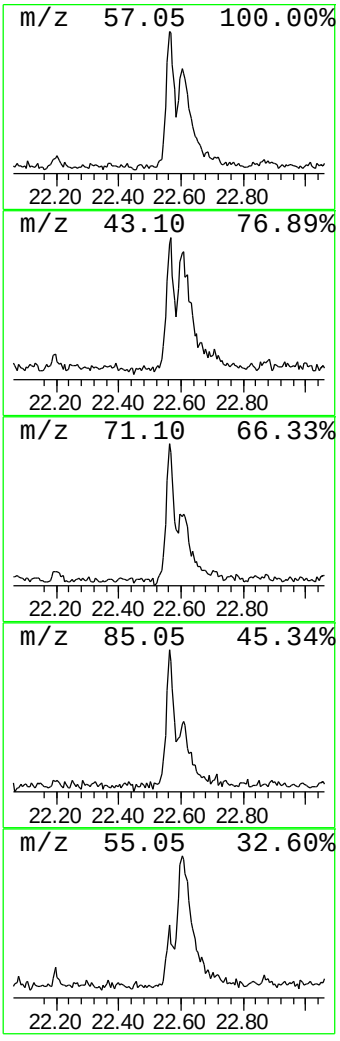
****

Peak Number 8 Eicosane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.56	2.76 ng	172617	Chrysene-d12	21.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	97
2	Heneicosane	296	C21H44	000629-94-7	90
3	Tetratetracontane	619	C44H90	007098-22-8	90
4	Hexacosane	366	C26H54	000630-01-3	90
5	Octacosane	394	C28H58	000630-02-4	90





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG051119\
Data File : BG040901.D
Acq On : 12 May 2019 9:45
Operator : HP/JU
Sample : K2768-07
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P026-SS014-1218-01

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

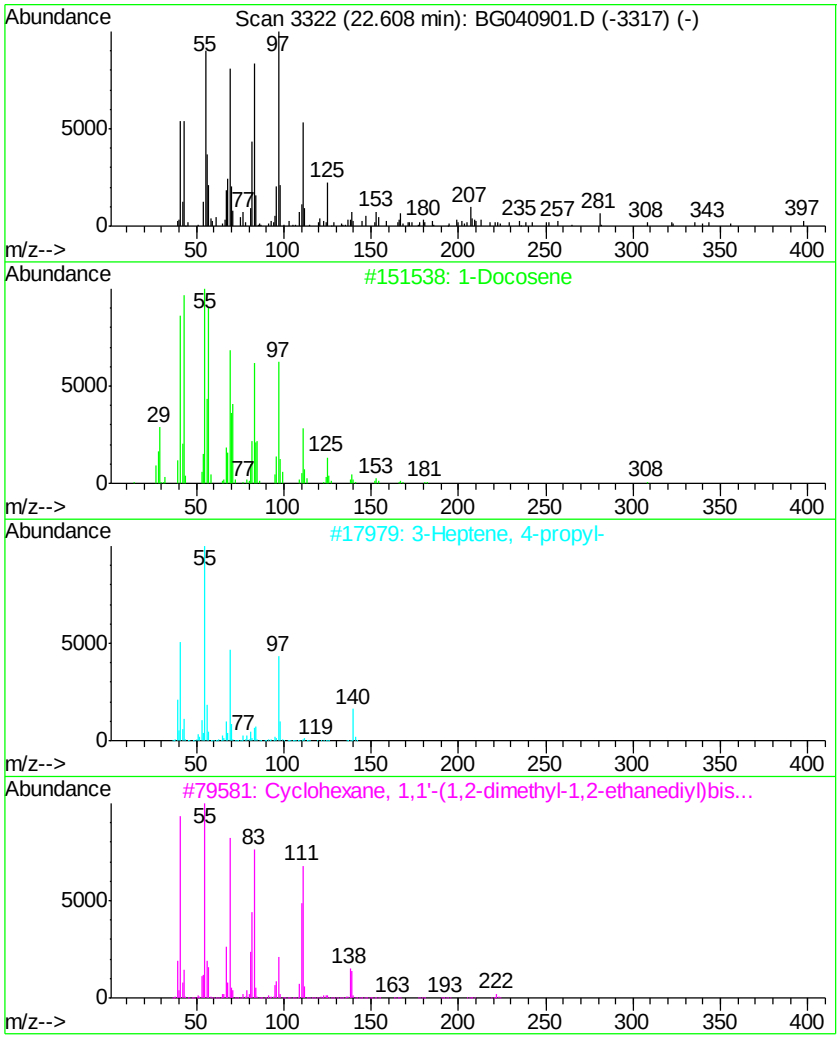
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

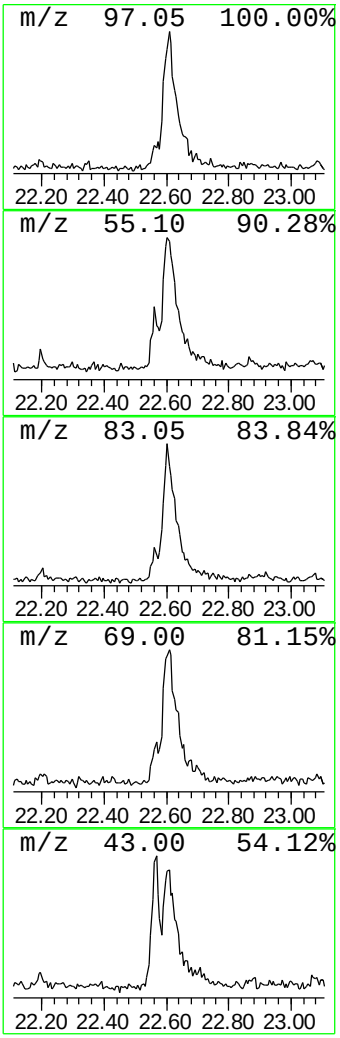
****

Peak Number 9 3-Heptene, 4-propyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.61	7.56 ng	473218	Chrysene-d12	21.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Docosene	308	C22H44	001599-67-3	64
2	3-Heptene, 4-propyl-	140	C10H20	004485-13-6	50
3	Cyclohexane, 1,1'-(1,2-dimethyl-...	222	C16H30	054889-87-1	43
4	2-Hexenal, (E)-	98	C6H10O	006728-26-3	38
5	Cyclohexane, 1,1'-(2-propyl-1,3-...	250	C18H34	055030-21-2	38





Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG051119\
Data File : BG040901.D
Acq On : 12 May 2019 9:45
Operator : HP/JU
Sample : K2768-07
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P026-SS014-1218-01

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

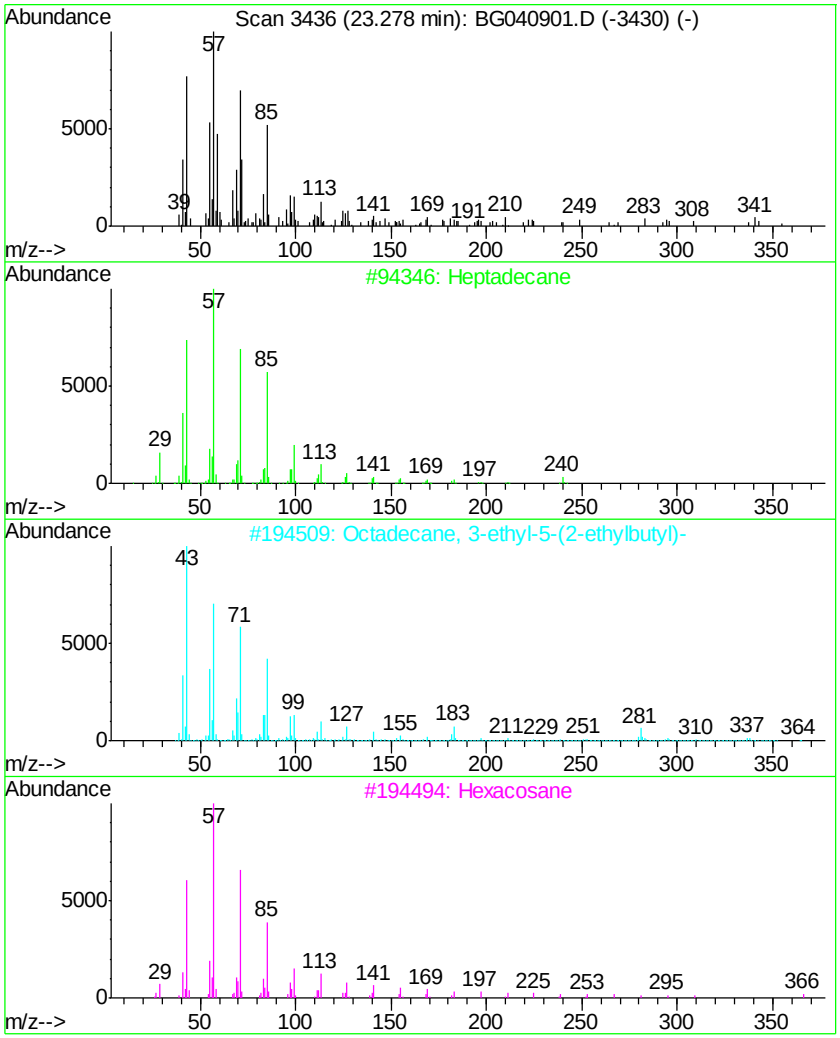
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

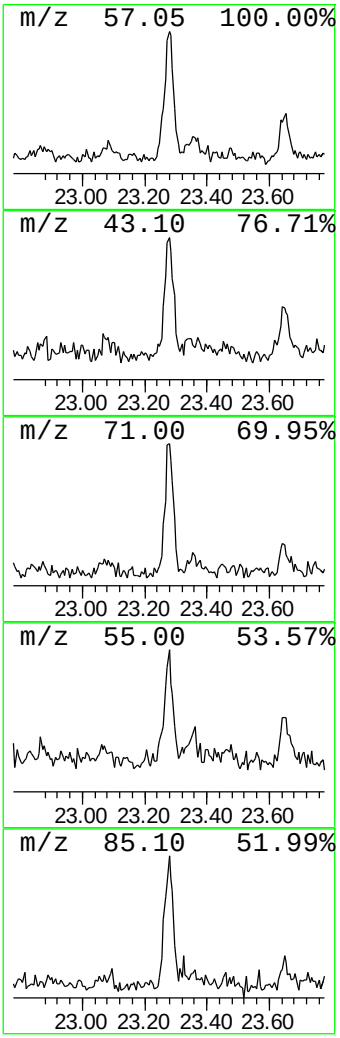
****

Peak Number 10 Heptadecane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.28	2.20 ng	137903	Chrysene-d12	21.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	55
2	Octadecane, 3-ethyl-5-(2-ethylbu...	366	C26H54	055282-12-7	49
3	Hexacosane	366	C26H54	000630-01-3	49
4	Tetratetracontane	619	C44H90	007098-22-8	49
5	Tetracosane	338	C24H50	000646-31-1	46





Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG051119\
Data File : BG040901.D
Acq On : 12 May 2019 9:45
Operator : HP/JU
Sample : K2768-07
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P026-SS014-1218-01

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

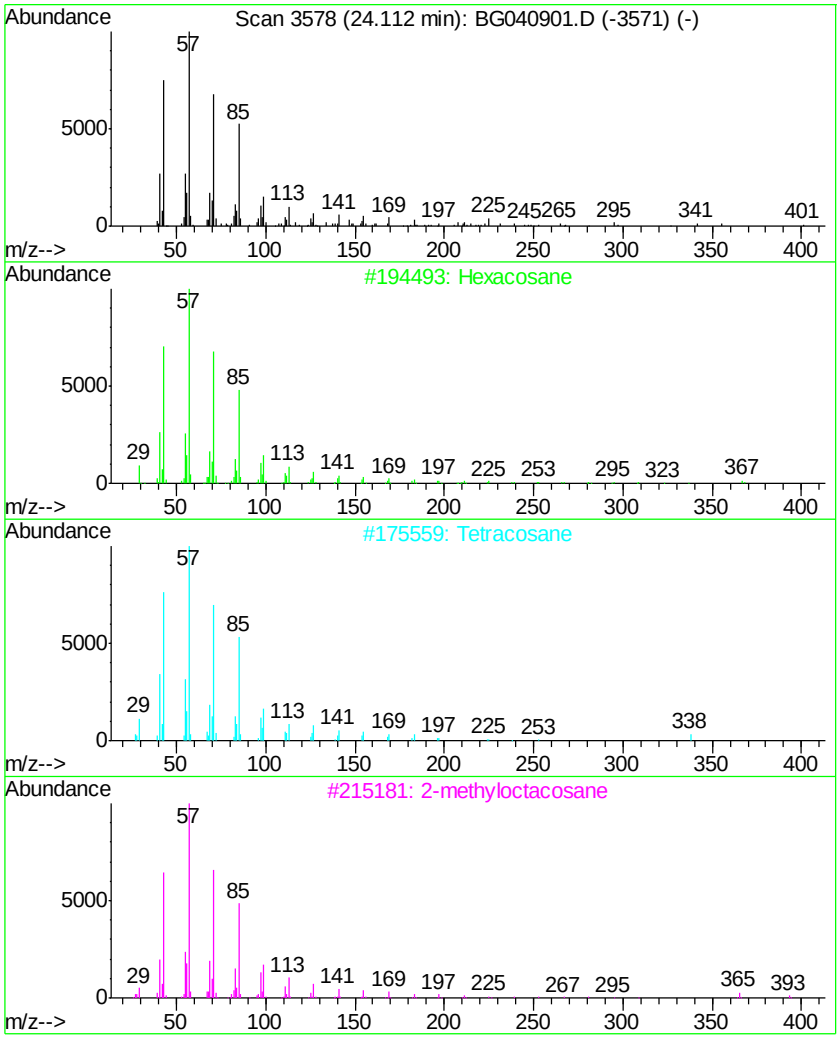
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

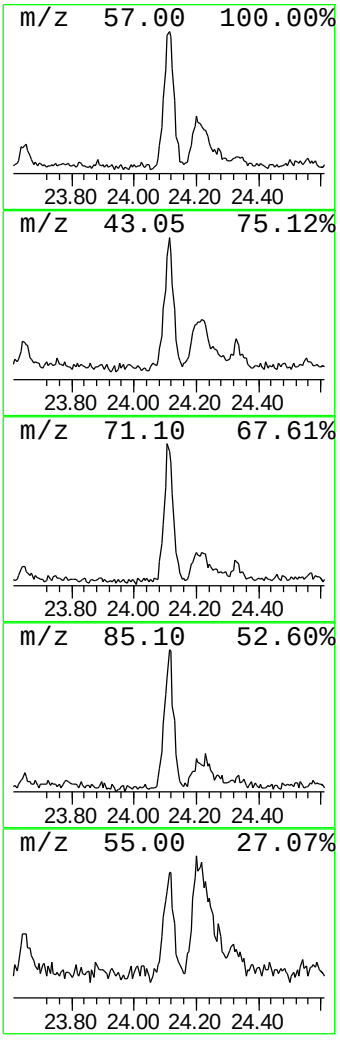
****

Peak Number 11 Hexacosane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.11	3.97 ng	240828	Perylene-d12	25.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexacosane	366	C26H54	000630-01-3	90
2	Tetracosane	338	C24H50	000646-31-1	90
3	2-methyloctacosane	408	C29H60	1000376-72-8	90
4	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	90
5	Octacosane	394	C28H58	000630-02-4	90





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG051119\
Data File : BG040901.D
Acq On : 12 May 2019 9:45
Operator : HP/JU
Sample : K2768-07
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P026-SS014-1218-01

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

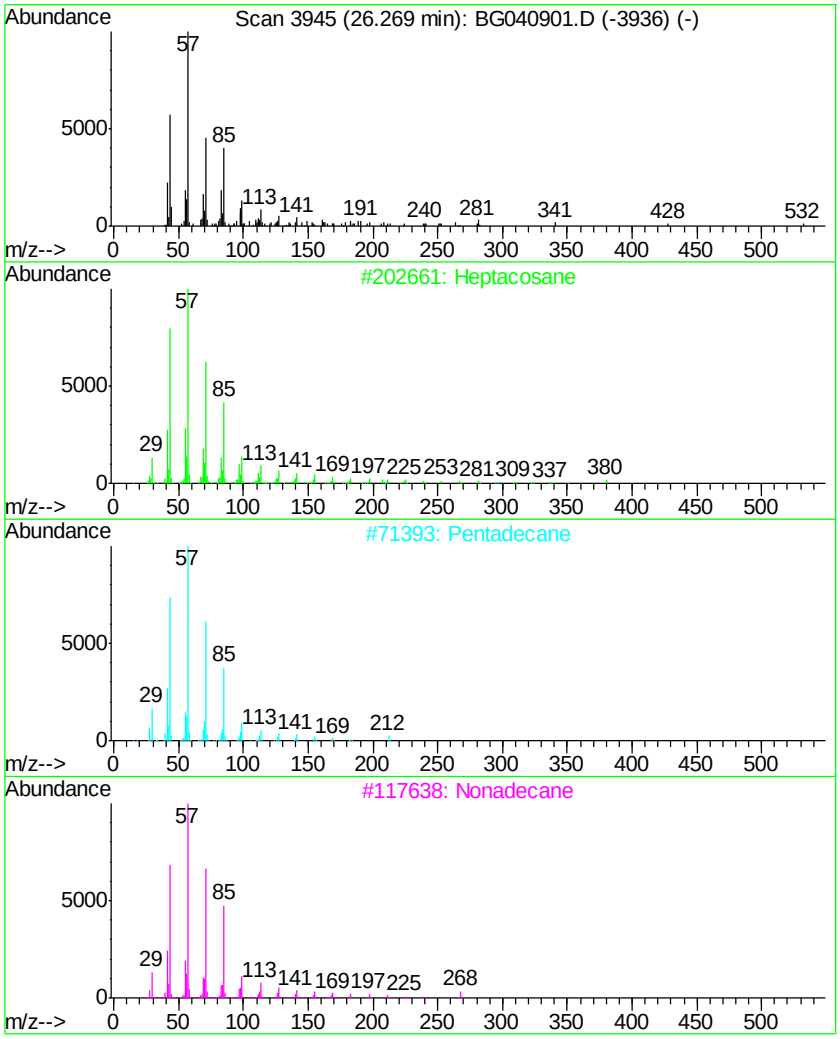
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

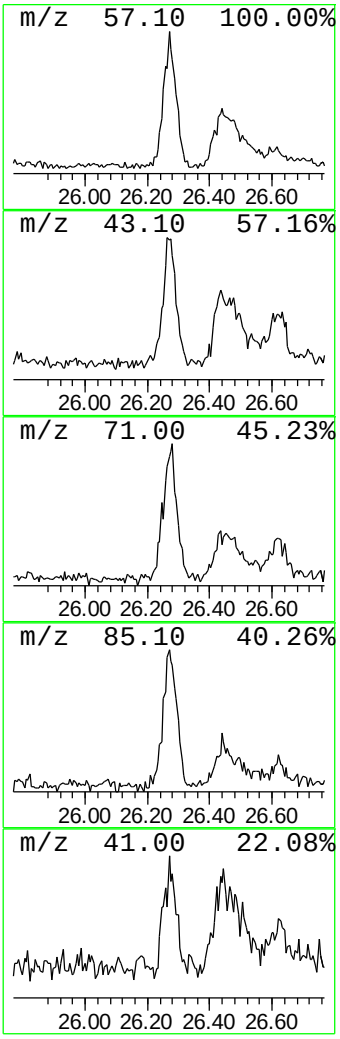
****

Peak Number 12 Heptacosane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.27	4.22 ng	256277	Perylene-d12	25.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptacosane	380	C27H56	000593-49-7	87
2	Pentadecane	212	C15H32	000629-62-9	83
3	Nonadecane	268	C19H40	000629-92-5	83
4	Tetracosane	338	C24H50	000646-31-1	83
5	Octacosane	394	C28H58	000630-02-4	83





Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG051119\
Data File : BG040901.D
Acq On : 12 May 2019 9:45
Operator : HP/JU
Sample : K2768-07
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P026-SS014-1218-01

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

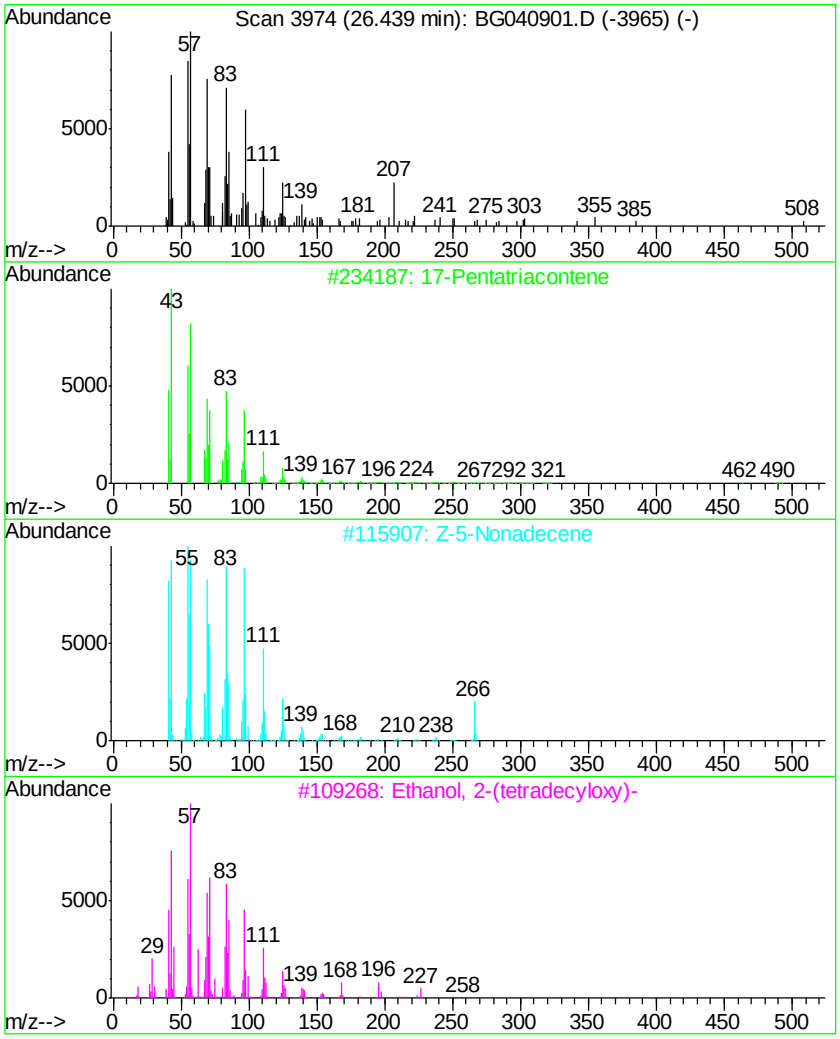
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

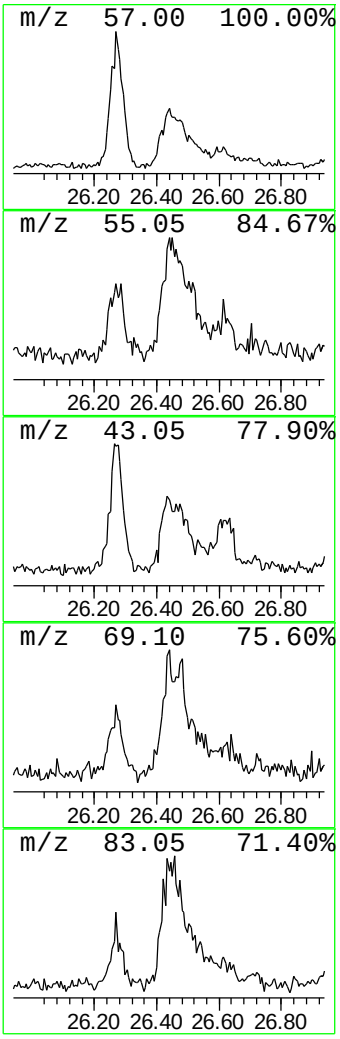
****

Peak Number 13 17-Pentatriacontene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.44	3.62 ng	219997	Perylene-d12	25.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	17-Pentatriacontene	491	C35H70	006971-40-0	87
2	Z-5-Nonadecene	266	C19H38	1000131-11-8	81
3	Ethanol, 2-(tetradecyloxy)-	258	C16H34O2	002136-70-1	58
4	Dotriacontyl heptafluorobutyrate	662	C36H65F7O2	1000351-84-2	49
5	Dotriacontyl trifluoroacetate	562	C34H65F3O2	1000351-75-4	49





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG051119\
Data File : BG040901.D
Acq On : 12 May 2019 9:45
Operator : HP/JU
Sample : K2768-07
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P026-SS014-1218-01

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...	3.22	18.0	ng	320155	1	8.13	355605	20.0
unknown7.66	7.66	116.8	ng	2076840	1	8.13	355605	20.0
n-Hexadecanoic acid	18.36	14.6	ng	753409	4	17.50	1030430	20.0
Octadecanoic acid	19.62	5.7	ng	295488	4	17.50	1030430	20.0
1-Docosene	21.39	13.3	ng	831188	5	21.79	1251840	20.0
Eicosane	22.56	2.8	ng	172617	5	21.79	1251840	20.0
3-Heptene, 4-propyl-	22.61	7.6	ng	473218	5	21.79	1251840	20.0
Heptadecane	23.28	2.2	ng	137903	5	21.79	1251840	20.0
Hexacosane	24.11	4.0	ng	240828	6	25.14	1213970	20.0
Heptacosane	26.27	4.2	ng	256277	6	25.14	1213970	20.0
17-Pentatriacontene	26.44	3.6	ng	219997	6	25.14	1213970	20.0