LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG051119\
Data File : BG040903.D
Acq On : 12 May 2019 11:00
Operator : HP/JU
Sample : K2768-12
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P026-SS015-1218-01

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	3.141	4	9	18	rBV	146752	264563	5.97%	0.900%
2	3.218	18	22	35	rVB	225406	314494	7.09%	1.070%
3	5.668	429	439	448	rBV	1131631	1808219	40.78%	6.149%
4	7.278	704	713	724	rBV	1232260	2171902	48.98%	7.386%
5	7.660	769	778	785	rBV	1184939	1992383	44.93%	6.776%
6	8.130	851	858	868	rBV	203655	352986	7.96%	1.200%
7	8.459	905	914	922	rBV	796561	1365203	30.79%	4.643%
8	9.311	1050	1059	1067	rBV	735545	1330664	30.01%	4.525%
9	10.956	1331	1339	1348	rBV	284249	498015	11.23%	1.694%
10	13.388	1746	1753	1760	rBV	1952132	2896041	65.31%	9.849%
11	14.205	1886	1892	1898	rBV	287161	394272	8.89%	1.341%
12	14.763	1980	1987	1996	rVB2	491411	763797	17.23%	2.598%
13	16.250	2232	2240	2249	rBV	1849315	2843490	64.13%	9.670%
14	17.507	2447	2454	2459	rBV	699520	1030430	23.24%	3.504%
15	17.548	2459	2461	2465	rVB	58280	66857	1.51%	0.227%
16	18.365	2593	2600	2607	rBV2	500960	732016	16.51%	2.489%
17	18.429	2607	2611	2617	rVB	30568	56436	1.27%	0.192%
18	18.565	2629	2634	2639	rBV3	30868	51294	1.16%	0.174%
19	19.281	2751	2756	2762	rBV7	23155	44805	1.01%	0.152%
20	19.546	2797	2801	2806	rVB	117296	173548	3.91%	0.590%
21	19.622	2806	2814	2824	rBV	250812	369648	8.34%	1.257%
22	19.910	2857	2863	2869	rVB	210699	303174	6.84%	1.031%
23	20.104	2889	2896	2901	rBV	3242154	4434133	100.00%	15.080%
24	20.233	2913	2918	2926	rVB4	19775	44876	1.01%	0.153%
25	20.368	2935	2941	2952	rVB5	36421	111112	2.51%	0.378%
26	20.556	2969	2973	2977	rBV	38873	46411	1.05%	0.158%
27	20.697	2992	2997	2999	rBV	42236	51297	1.16%	0.174%
28	20.739	3001	3004	3012	rVB3	36611	64309	1.45%	0.219%
29	21.385	3110	3114	3122	rBV2	292027	495119	11.17%	1.684%
30	21.790	3174	3183	3188	rBV2	685424	1293754	29.18%	4.400%
31	21.837	3188	3191	3196	rVB	77091	114333	2.58%	0.389%
32	21.943	3204	3209	3214	rVB2	46519	72927	1.64%	0.248%
33	22.060	3224	3229	3233	rBV3	31449	59853	1.35%	0.204%
34	22.566	3310	3315	3319	rBV	81909	127385	2.87%	0.433%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG051119\
Data File : BG040903.D
Acq On : 12 May 2019 11:00
Operator : HP/JU
Sample : K2768-12
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P026-SS015-1218-01

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

35	22.613	3319	3323	3334	rVB	56902	148252	3.34%	0.504%
36	23.277	3430	3436	3445	rBV	108635	216025	4.87%	0.735%
37	23.476	3464	3470	3477	rVB	81943	162752	3.67%	0.553%
38	24.052	3561	3568	3571	rBV3	44122	96424	2.17%	0.328%
39	24.117	3574	3579	3588	rVB4	106571	256333	5.78%	0.872%
40	24.822	3694	3699	3705	rVB2	40099	85477	1.93%	0.291%
41	24.963	3717	3723	3734	rVB2	42833	116530	2.63%	0.396%
42	25.133	3736	3752	3762	rBV	394426	1334654	30.10%	4.539%
43	26.279	3937	3947	3956	rVB4	53025	161159	3.63%	0.548%
44	26.449	3964	3976	3977	rBV10	30120	87665	1.98%	0.298%

Sum of corrected areas: 29405017

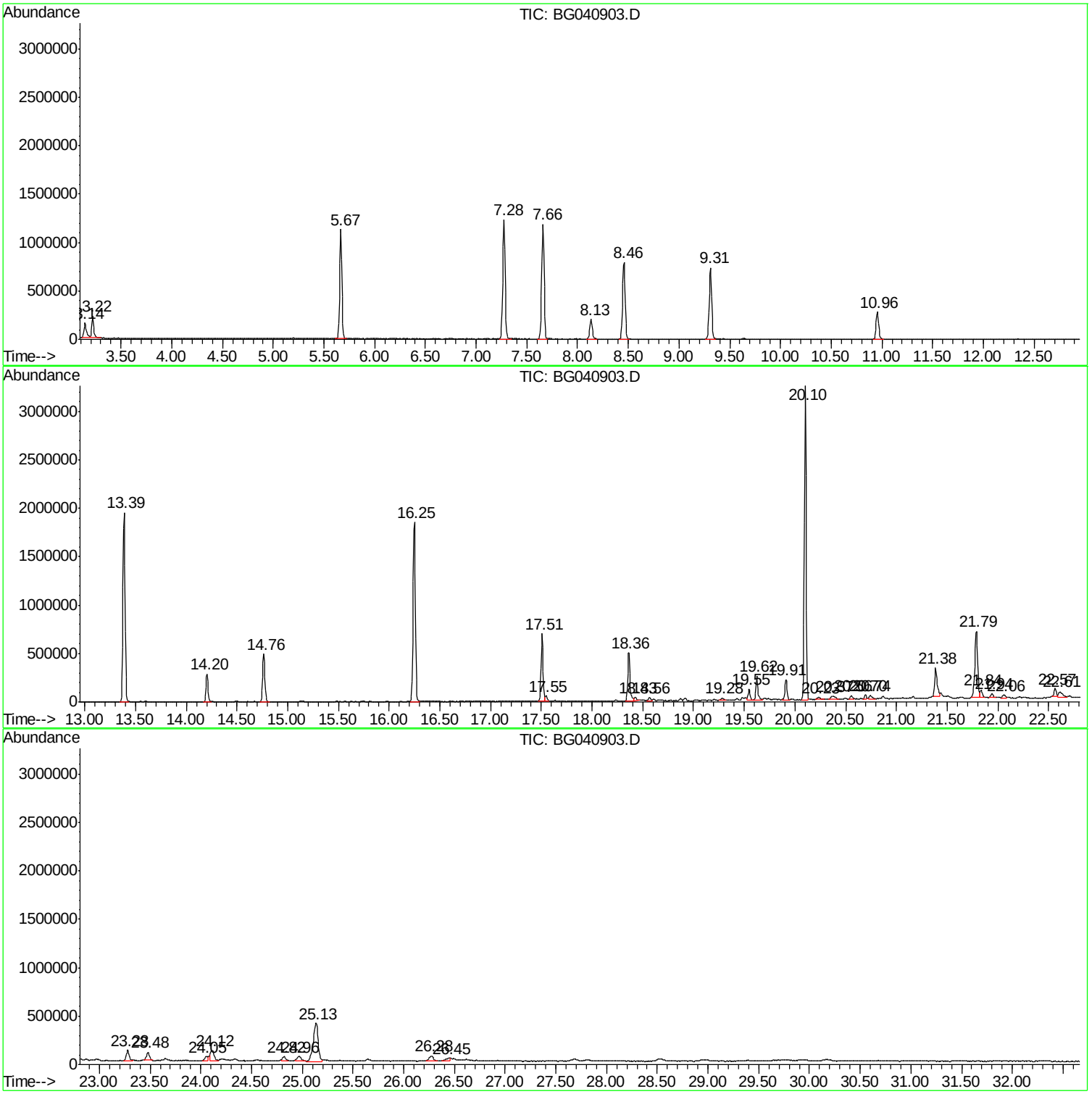
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG051119\
Data File : BG040903.D
Acq On : 12 May 2019 11:00
Operator : HP/JU
Sample : K2768-12
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P026-SS015-1218-01

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 : BG040903.D
Acq On : 12 May 2019 11:00
Operator : HP/JU
Sample : K2768-12
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P026-SS015-1218-01

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

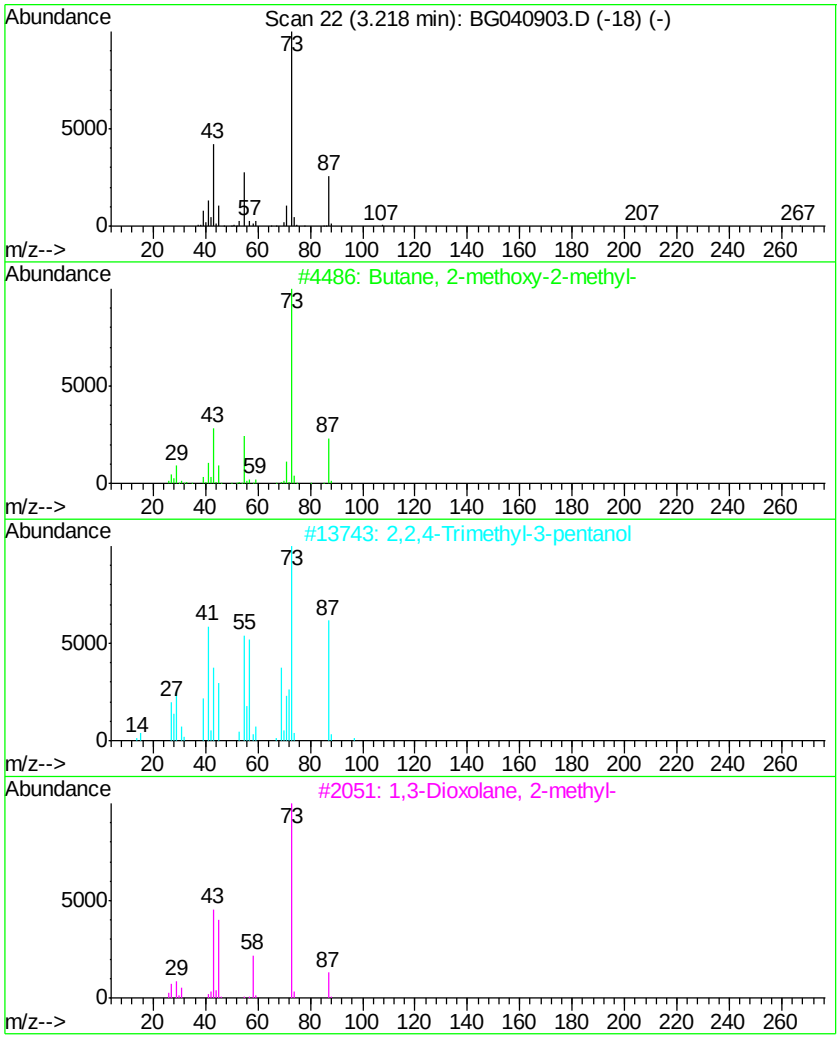
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

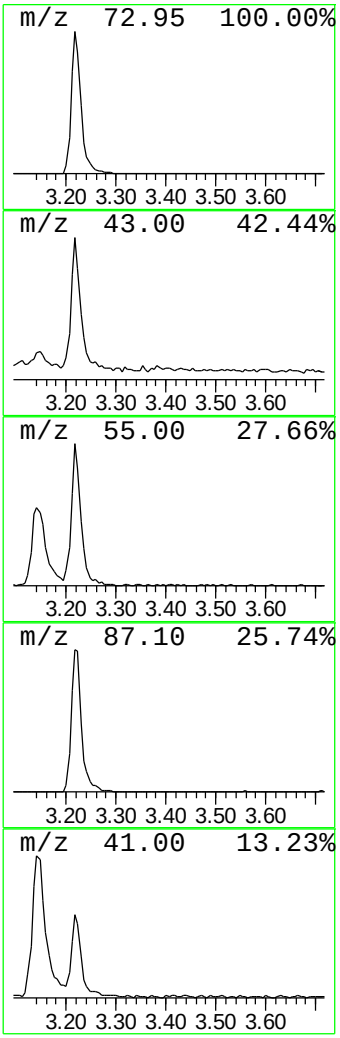
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.22	17.82 ng	314494	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	50
3	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	25
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	12
5	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG051119\
Data File : BG040903.D
Acq On : 12 May 2019 11:00
Operator : HP/JU
Sample : K2768-12
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P026-SS015-1218-01

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

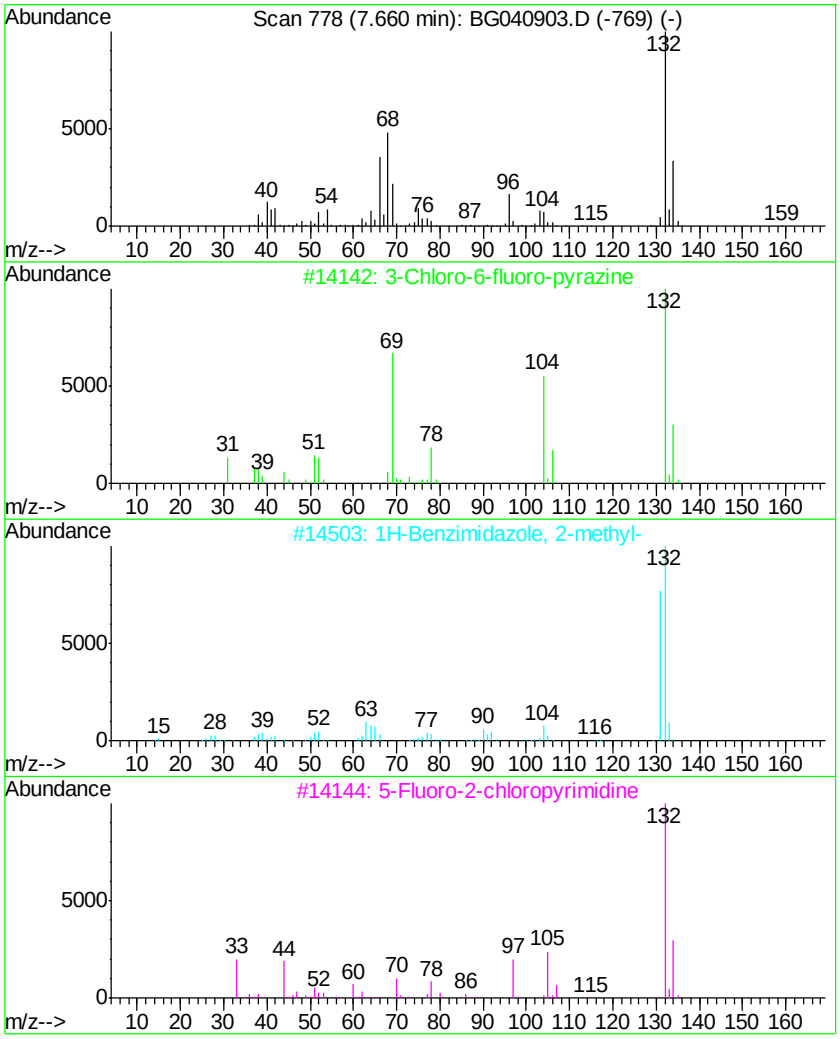
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

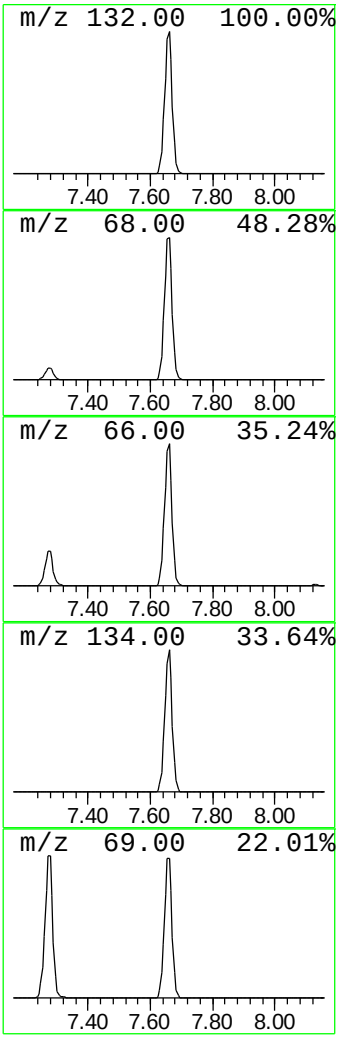
****

Peak Number 3 unknown7.66 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.66	112.89 ng	1992380	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	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	22
3	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12
4	5-Aminoindole	132	C8H8N2	005192-03-0	12
5	Pyrazolo(2,3-a)pyridine, 7-methyl-	132	C8H8N2	034760-58-2	10





Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG051119\
Data File : BG040903.D
Acq On : 12 May 2019 11:00
Operator : HP/JU
Sample : K2768-12
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P026-SS015-1218-01

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

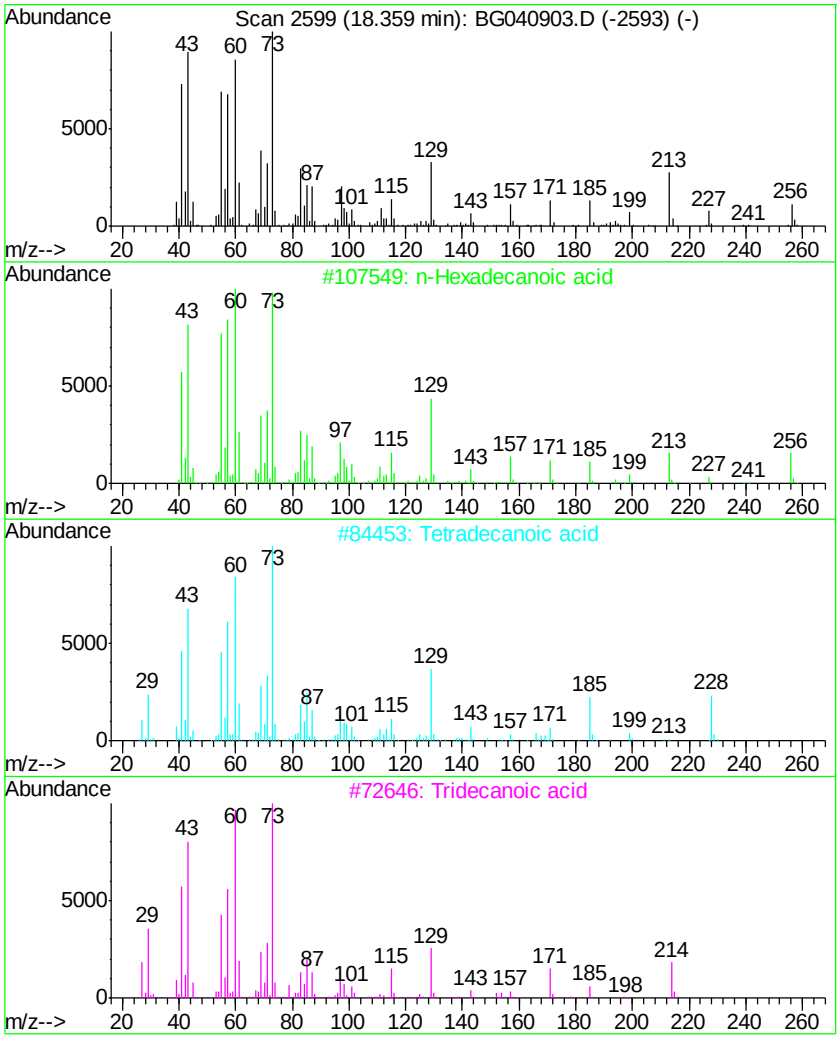
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

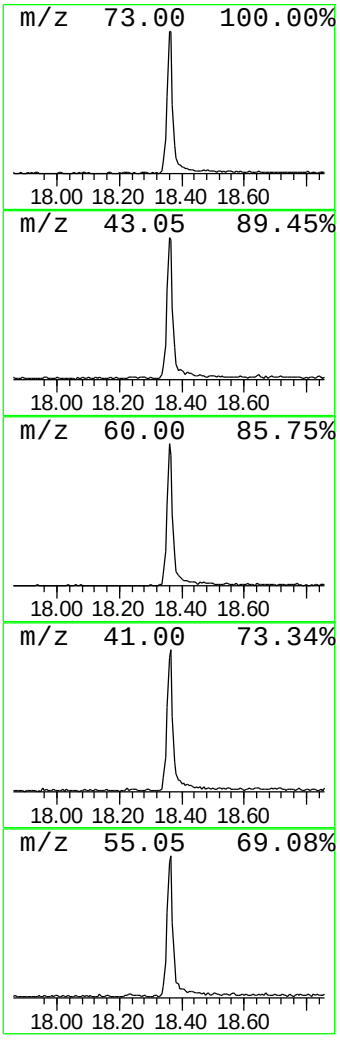
****

Peak Number 5 n-Hexadecanoic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.36	14.21 ng	732016	Phenanthrene-d10	17.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Tetradecanoic acid	228	C14H28O2	000544-63-8	94
3	Tridecanoic acid	214	C13H26O2	000638-53-9	90
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	81
5	n-Decanoic acid	172	C10H20O2	000334-48-5	50





Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG051119\
Data File : BG040903.D
Acq On : 12 May 2019 11:00
Operator : HP/JU
Sample : K2768-12
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P026-SS015-1218-01

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

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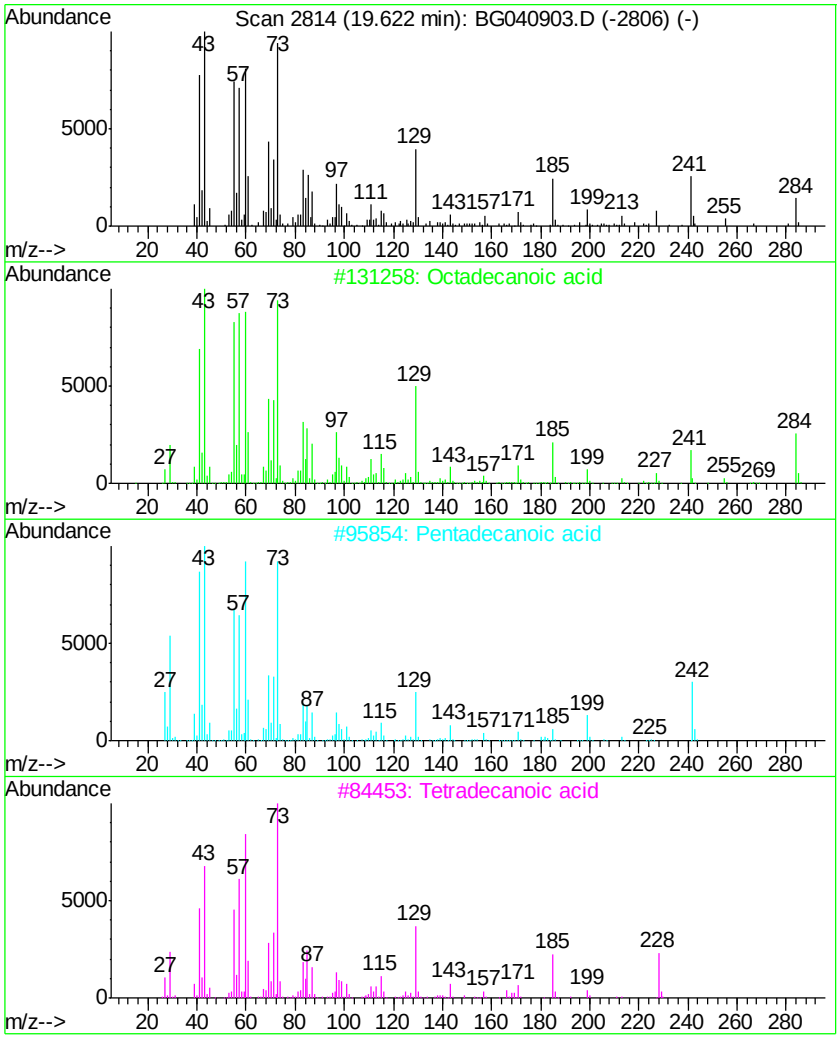
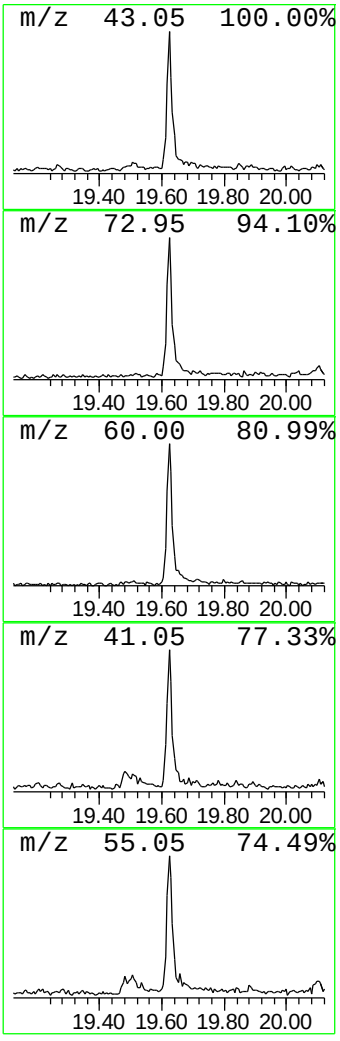
Peak Number 6 Octadecanoic acid Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.62	7.17 ng	369648	Phenanthrene-d10	17.51

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	86
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	72
4	Tridecanoic acid	214	C13H26O2	000638-53-9	70
5	Octadecanoic acid, 2-(2-hydroxye...	372	C22H44O4	000106-11-6	52





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG051119\
Data File : BG040903.D
Acq On : 12 May 2019 11:00
Operator : HP/JU
Sample : K2768-12
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P026-SS015-1218-01

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

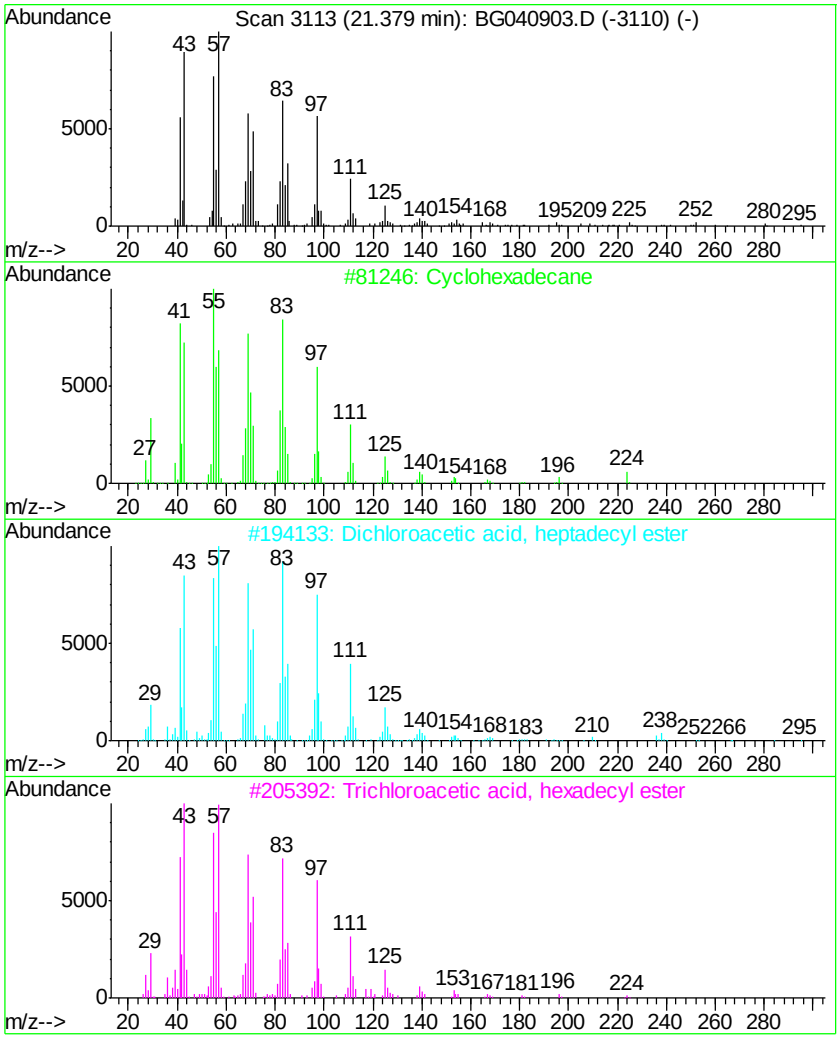
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

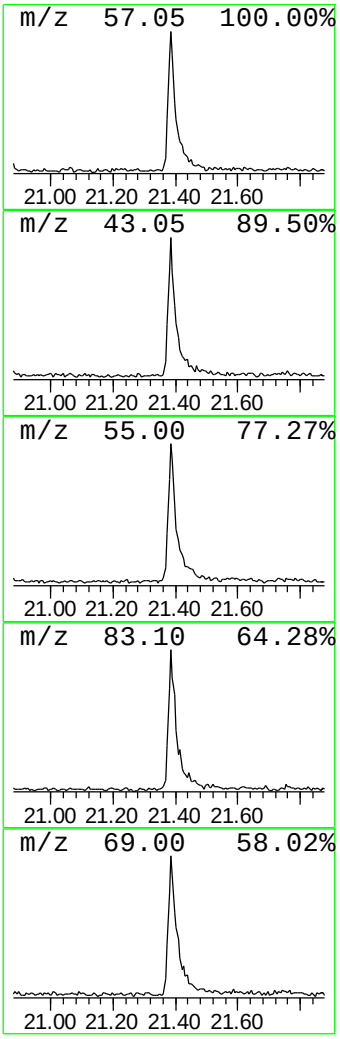
****

Peak Number 7 Cyclohexadecane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.38	7.65 ng	495119	Chrysene-d12	21.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexadecane	224	C16H32	000295-65-8	96
2	Dichloroacetic acid, heptadecyl ...	366	C19H36Cl2O2	1000282-98-2	94
3	Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	94
4	5-Octadecene, (E)-	252	C18H36	007206-21-5	93
5	Octacosyl trifluoroacetate	506	C30H57F3O2	1000351-74-9	91





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG051119\
Data File : BG040903.D
Acq On : 12 May 2019 11:00
Operator : HP/JU
Sample : K2768-12
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P026-SS015-1218-01

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

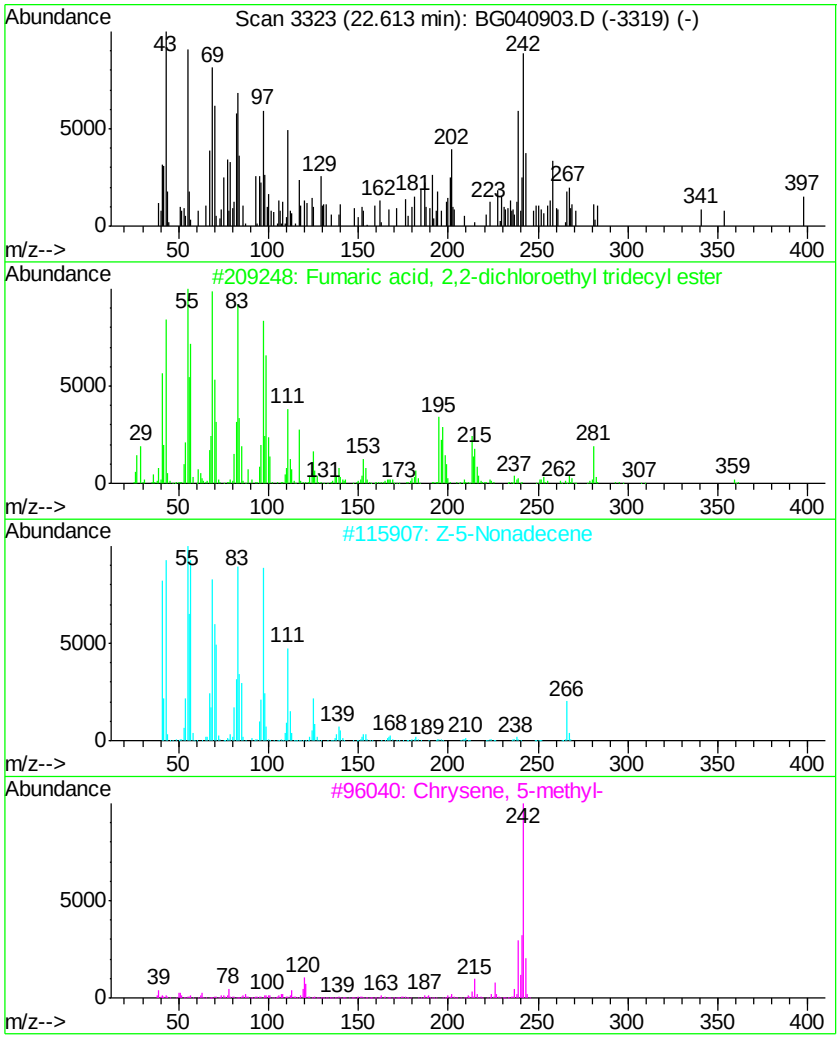
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

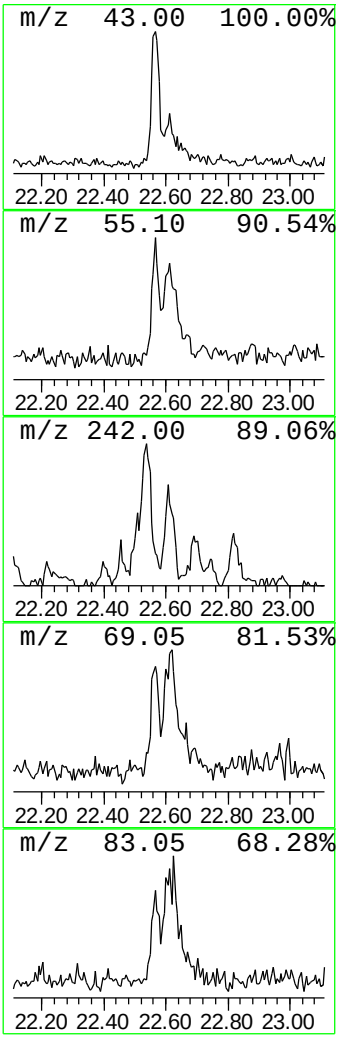
****

Peak Number 8 unknown22.61 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.61	2.29 ng	148252	Chrysene-d12	21.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fumaric acid, 2,2-dichloroethyl ...	394	C19H32Cl2O4	1000348-58-1	22
2	Z-5-Nonadecene	266	C19H38	1000131-11-8	20
3	Chrysene, 5-methyl-	242	C19H14	003697-24-3	11
4	Benzo[c]phenanthrene, 3-methyl-	242	C19H14	002381-19-3	11
5	Chrysene, 3-methyl-	242	C19H14	003351-31-3	11





Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG051119\
Data File : BG040903.D
Acq On : 12 May 2019 11:00
Operator : HP/JU
Sample : K2768-12
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P026-SS015-1218-01

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

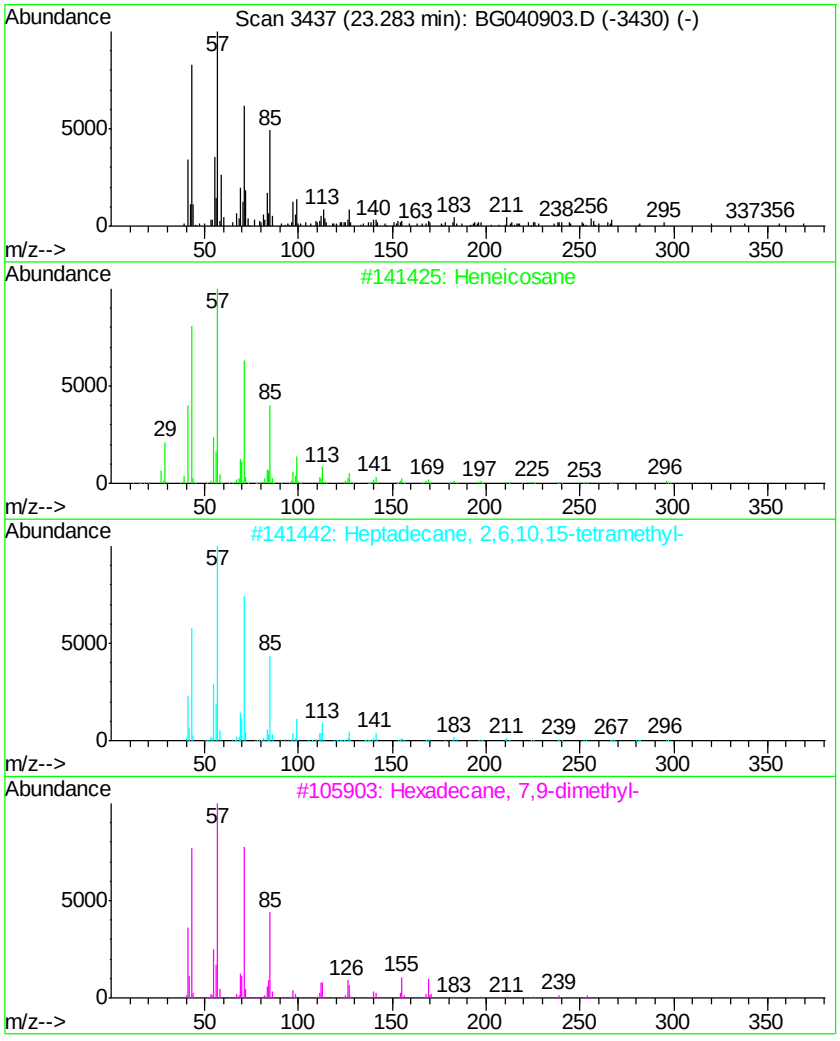
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

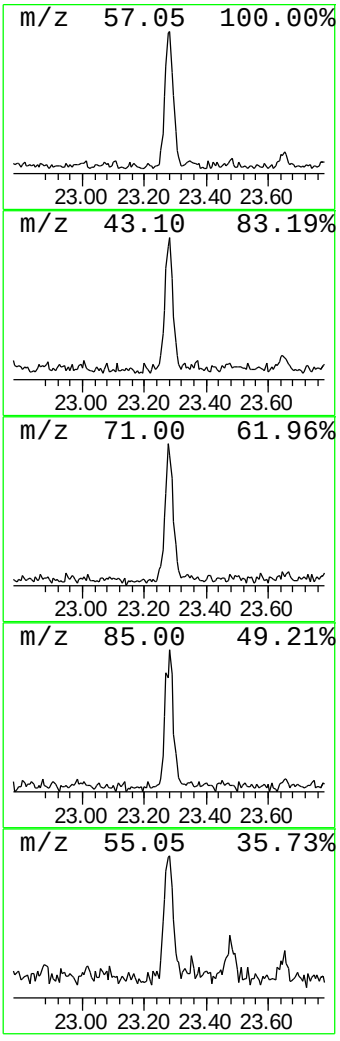
****

Peak Number 9 Heneicosane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.28	3.34 ng	216025	Chrysene-d12	21.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	96
2	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	91
3	Hexadecane, 7,9-dimethyl-	254	C18H38	021164-95-4	83
4	Hexacosane	366	C26H54	000630-01-3	76
5	Pentadecane	212	C15H32	000629-62-9	70





Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG051119\
Data File : BG040903.D
Acq On : 12 May 2019 11:00
Operator : HP/JU
Sample : K2768-12
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P026-SS015-1218-01

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

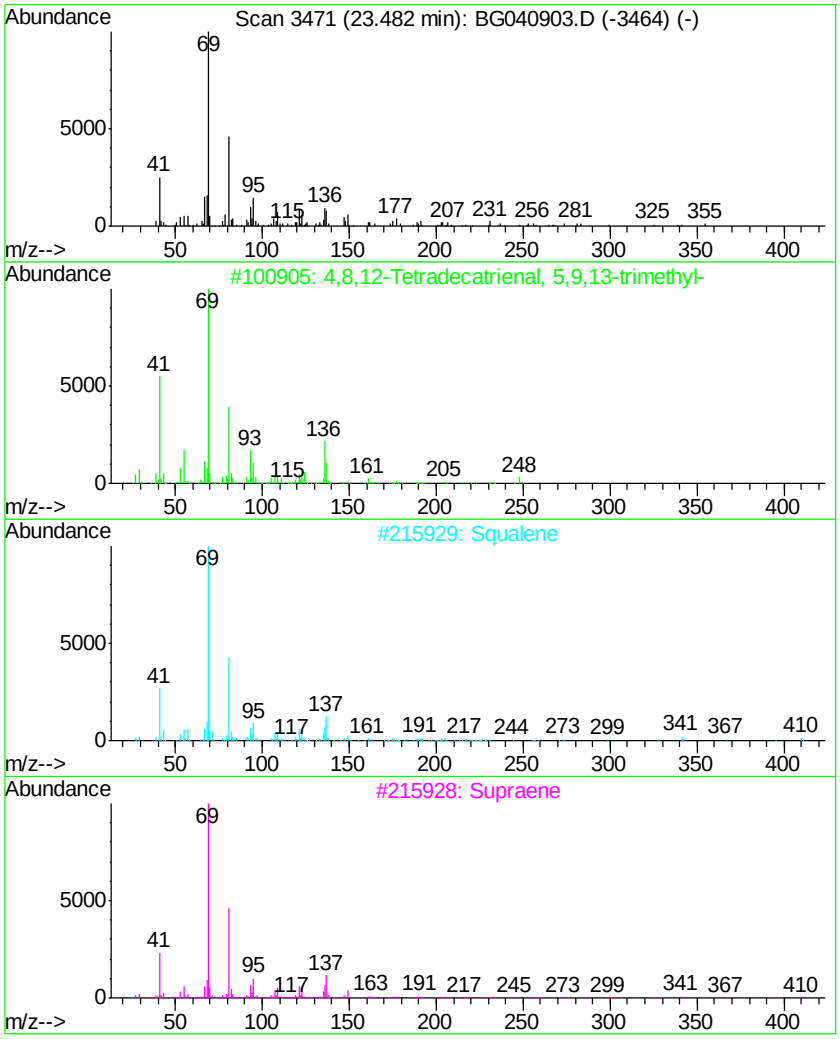
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

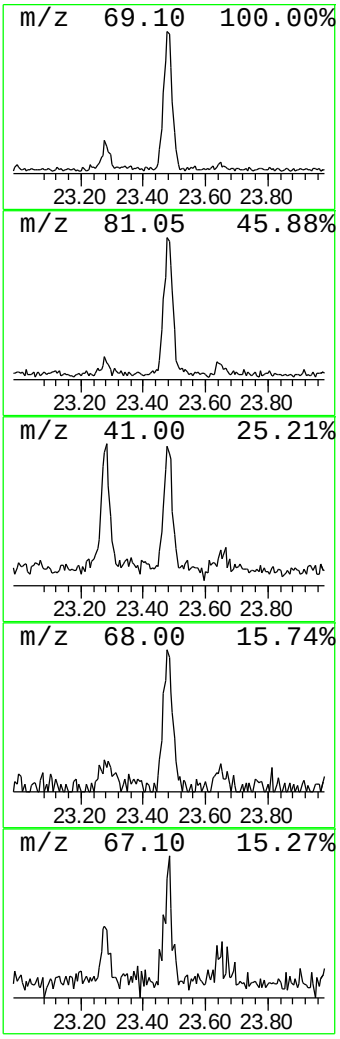
****

Peak Number 10 4,8,12-Tetradecatrienal, 5,... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.48	2.44 ng	162752	Perylene-d12	25.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4,8,12-Tetradecatrienal, 5,9,13-...	248	C17H28O	066408-55-7	81
2	Squalene	410	C30H50	000111-02-4	80
3	Supraene	410	C30H50	007683-64-9	74
4	4,9,13,17-Tetramethyl-4,8,12,16-...	316	C22H36O	056882-09-8	72
5	2,6,10,14-Hexadecatetraenoic aci...	332	C22H36O2	024035-35-6	64





Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG051119\
Data File : BG040903.D
Acq On : 12 May 2019 11:00
Operator : HP/JU
Sample : K2768-12
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P026-SS015-1218-01

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

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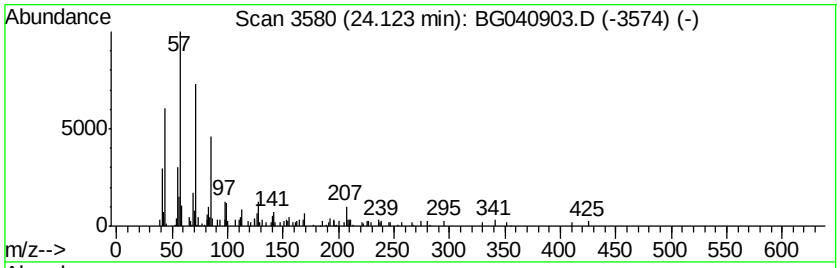
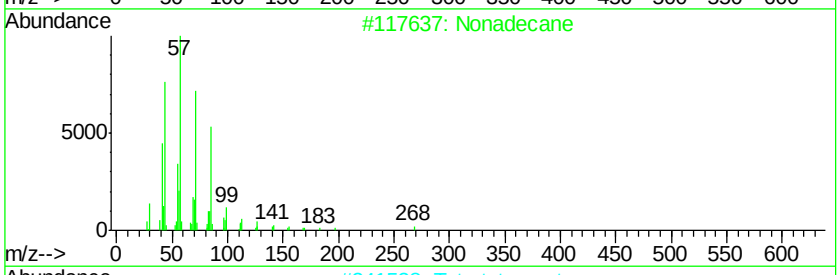
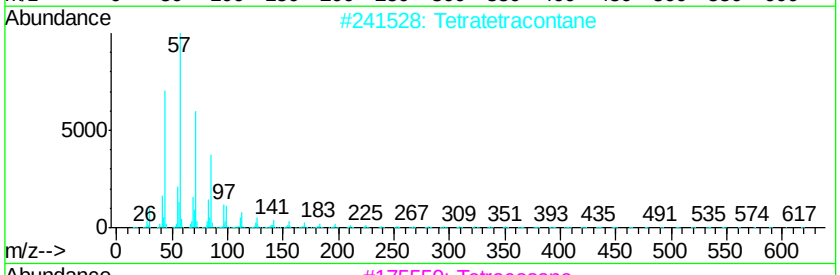
Peak Number 11 Nonadecane Concentration Rank 8

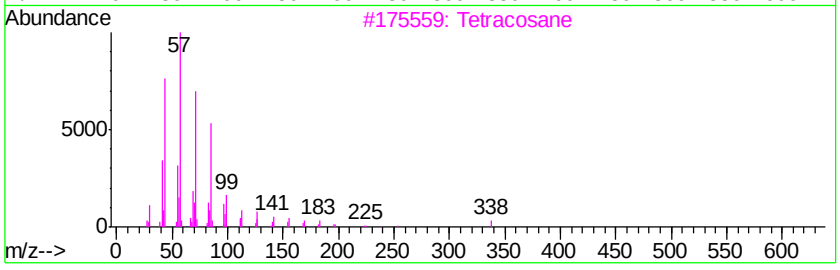
R.T.	EstConc	Area	Relative to ISTD	R.T.
24.12	3.84 ng	256333	Perylene-d12	25.13

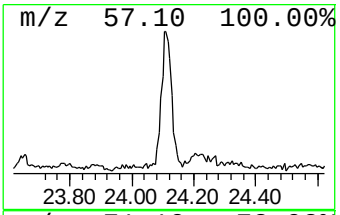
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	89
2	Tetratetracontane	619	C44H90	007098-22-8	87
3	Tetracosane	338	C24H50	000646-31-1	83
4	Heneicosane, 11-decyl-	437	C31H64	055320-06-4	83
5	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	83

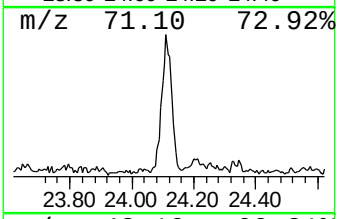


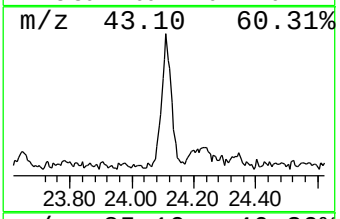


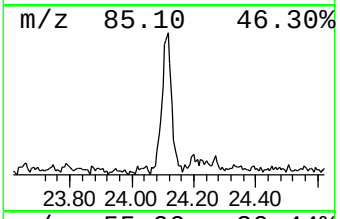


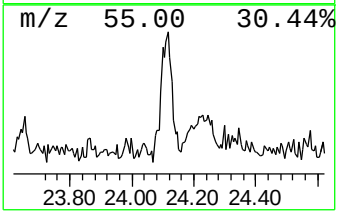












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Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P026-SS015-1218-01

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

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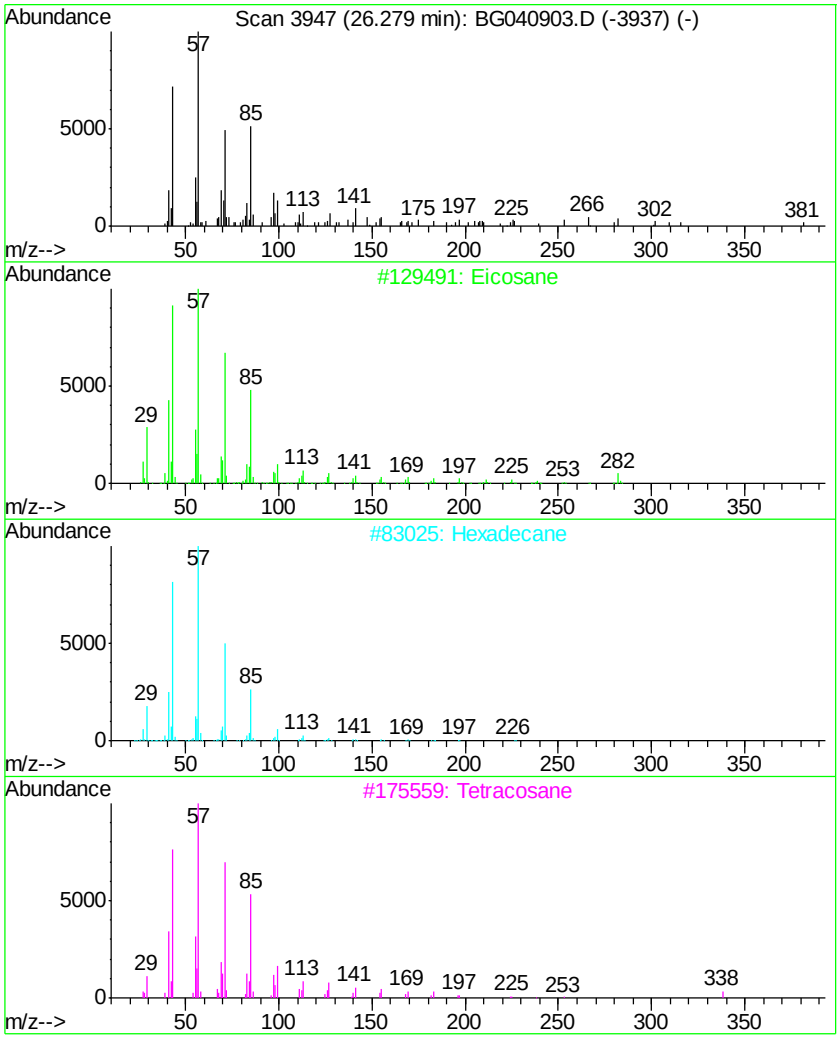
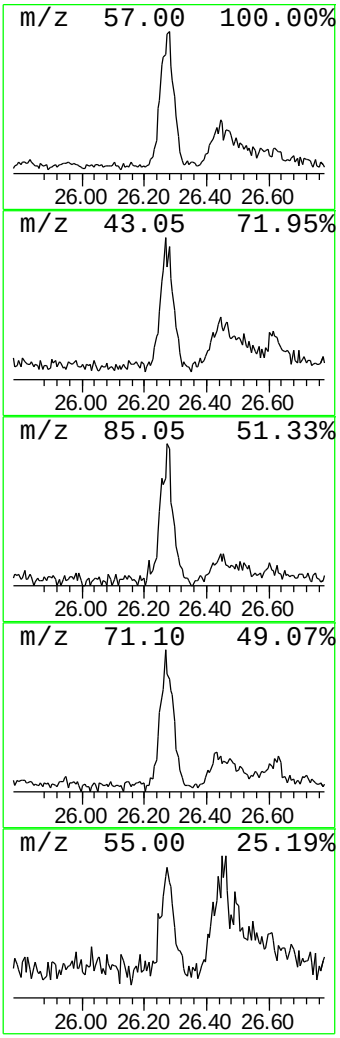
Peak Number 12 Eicosane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.28	2.41 ng	161159	Perylene-d12	25.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	93
2	Hexadecane	226	C16H34	000544-76-3	76
3	Tetracosane	338	C24H50	000646-31-1	74
4	Hexacosane	366	C26H54	000630-01-3	72
5	Heptacosane	380	C27H56	000593-49-7	62





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG051119\
Data File : BG040903.D
Acq On : 12 May 2019 11:00
Operator : HP/JU
Sample : K2768-12
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P026-SS015-1218-01

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	17.8	ng	314494	1	8.13	352986	20.0
unknown7.66	7.66	112.9	ng	1992380	1	8.13	352986	20.0
n-Hexadecanoic acid	18.36	14.2	ng	732016	4	17.51	1030430	20.0
Octadecanoic acid	19.62	7.2	ng	369648	4	17.51	1030430	20.0
Cyclohexadecane	21.38	7.7	ng	495119	5	21.79	1293750	20.0
unknown22.61	22.61	2.3	ng	148252	5	21.79	1293750	20.0
Heneicosane	23.28	3.3	ng	216025	5	21.79	1293750	20.0
4,8,12-Tetradecat...	23.48	2.4	ng	162752	6	25.13	1334650	20.0
Nonadecane	24.12	3.8	ng	256333	6	25.13	1334650	20.0
Eicosane	26.28	2.4	ng	161159	6	25.13	1334650	20.0