LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG100319\
Data File : BG043025.D
Acq On : 4 Oct 2019 5:00
Operator : JU
Sample : K4660-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : TP-1-GROUNDWATER

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-BG092519.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	3.176	8	15	24	rBV2	267763	619505	11.42%	2.143%
2	3.252	24	28	42	rVB	397407	689629	12.71%	2.386%
3	5.650	429	436	450	rBV	910262	1506454	27.77%	5.211%
4	7.236	698	706	718	rBV	694906	1288513	23.75%	4.458%
5	7.606	761	769	780	rBV	1237287	2143344	39.51%	7.415%
6	8.064	839	847	855	rBV	237809	427649	7.88%	1.479%
7	8.393	895	903	911	rBV	918681	1603899	29.57%	5.549%
8	9.228	1037	1045	1054	rBV	723821	1342579	24.75%	4.645%
9	10.873	1317	1325	1334	rBV	312715	580747	10.71%	2.009%
10	13.311	1733	1740	1751	rBV	2148030	3354030	61.83%	11.603%
11	14.134	1874	1880	1890	rBV	140133	212040	3.91%	0.734%
12	14.686	1966	1974	1981	rBV2	550890	881647	16.25%	3.050%
13	16.172	2220	2227	2235	rBV	1906467	3041512	56.07%	10.522%
14	17.430	2434	2441	2448	rBV2	688009	1071948	19.76%	3.708%
15	18.317	2587	2592	2600	rBV2	395860	580254	10.70%	2.007%
16	19.586	2804	2808	2817	rBV	193669	283105	5.22%	0.979%
17	20.039	2879	2885	2890	rBV	4187370	5424969	100.00%	18.767%
18	21.372	3104	3112	3120	rBV5	126778	324085	5.97%	1.121%
19	21.695	3161	3167	3176	rVB	769415	1310083	24.15%	4.532%
20	22.500	3301	3304	3310	rBV	60525	88366	1.63%	0.306%
21	23.200	3418	3423	3432	rVB2	97013	186432	3.44%	0.645%
22	24.010	3554	3561	3569	rVB2	103619	221530	4.08%	0.766%
23	24.921	3706	3716	3731	rVB2	450140	1511322	27.86%	5.228%
24	26.096	3910	3916	3928	rVB4	71851	212911	3.92%	0.737%

Sum of corrected areas: 28906553

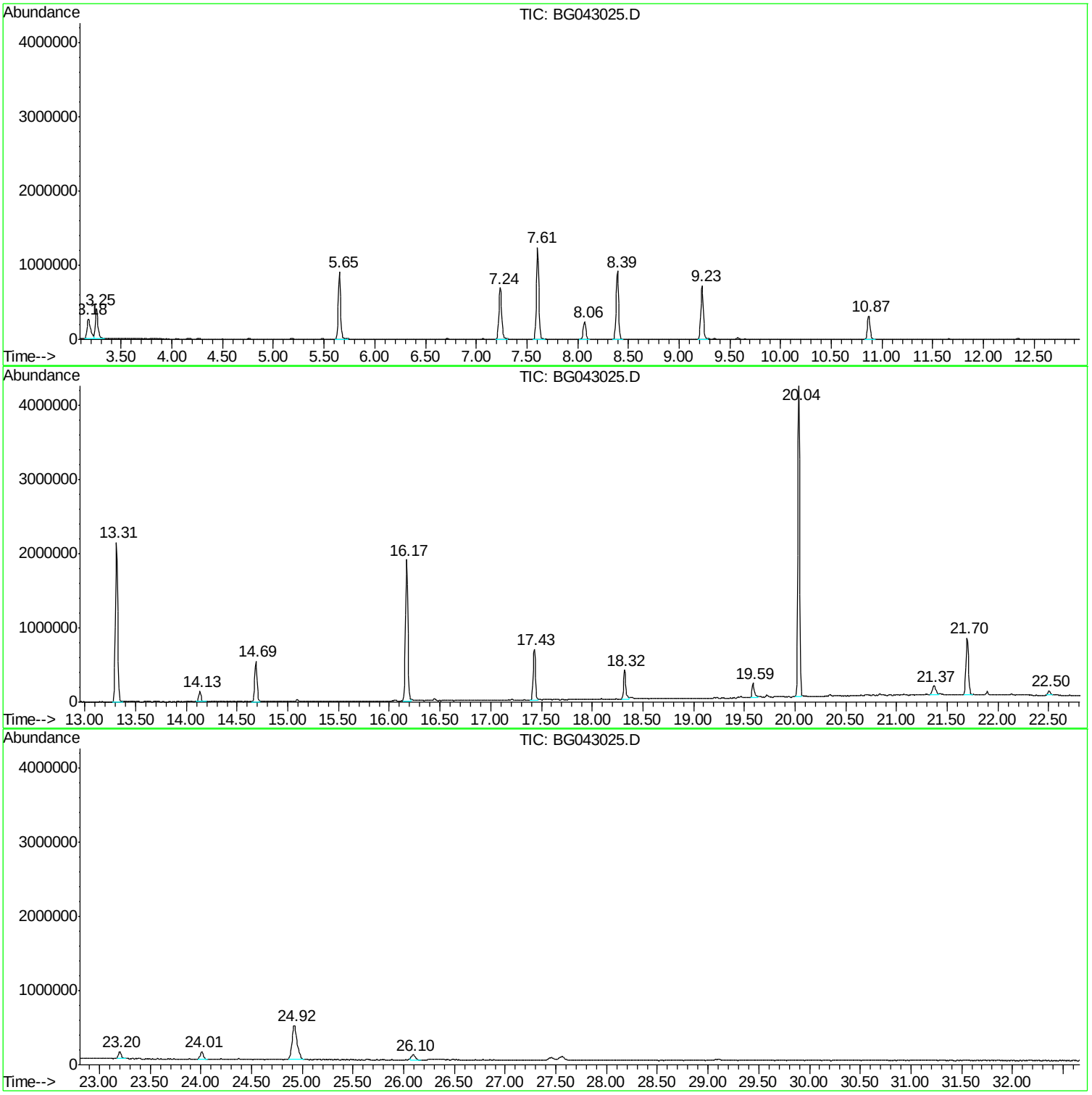
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG100319\
Data File : BG043025.D
Acq On : 4 Oct 2019 5:00
Operator : JU
Sample : K4660-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TP-1-GROUNDWATER

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG092519.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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Data File : BG043025.D
Acq On : 4 Oct 2019 5:00
Operator : JU
Sample : K4660-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : TP-1-GROUNDWATER

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG092519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

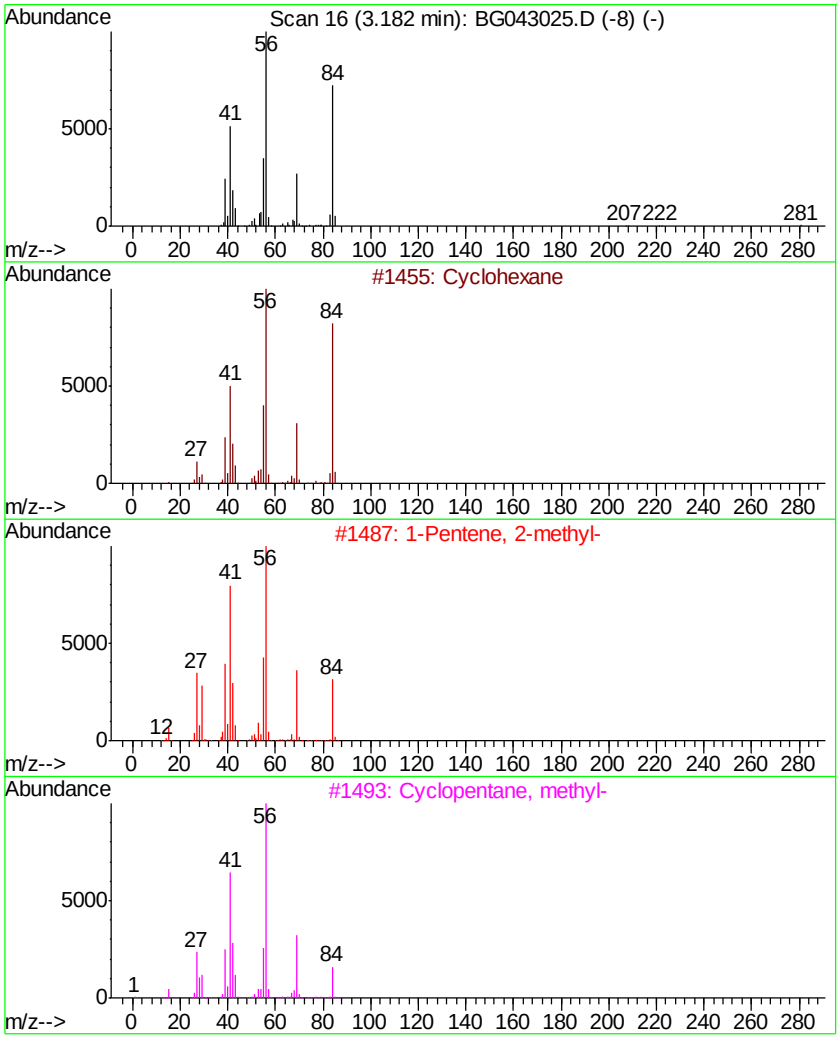
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

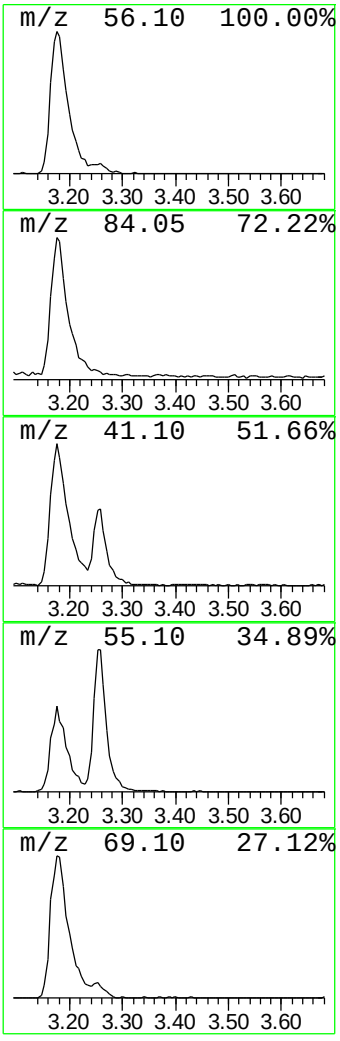
****

Peak Number 1 1-Pentene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.18	28.97 ng	619505	1,4-Dichlorobenzene-d4	8.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane	84	C6H12	000110-82-7	95
2	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	78
3	Cyclopentane, methyl-	84	C6H12	000096-37-7	72
4	1-Hexene	84	C6H12	000592-41-6	53
5	Cyclobutane, ethyl-	84	C6H12	004806-61-5	47





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG100319\
Data File : BG043025.D
Acq On : 4 Oct 2019 5:00
Operator : JU
Sample : K4660-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : TP-1-GROUNDWATER

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG092519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

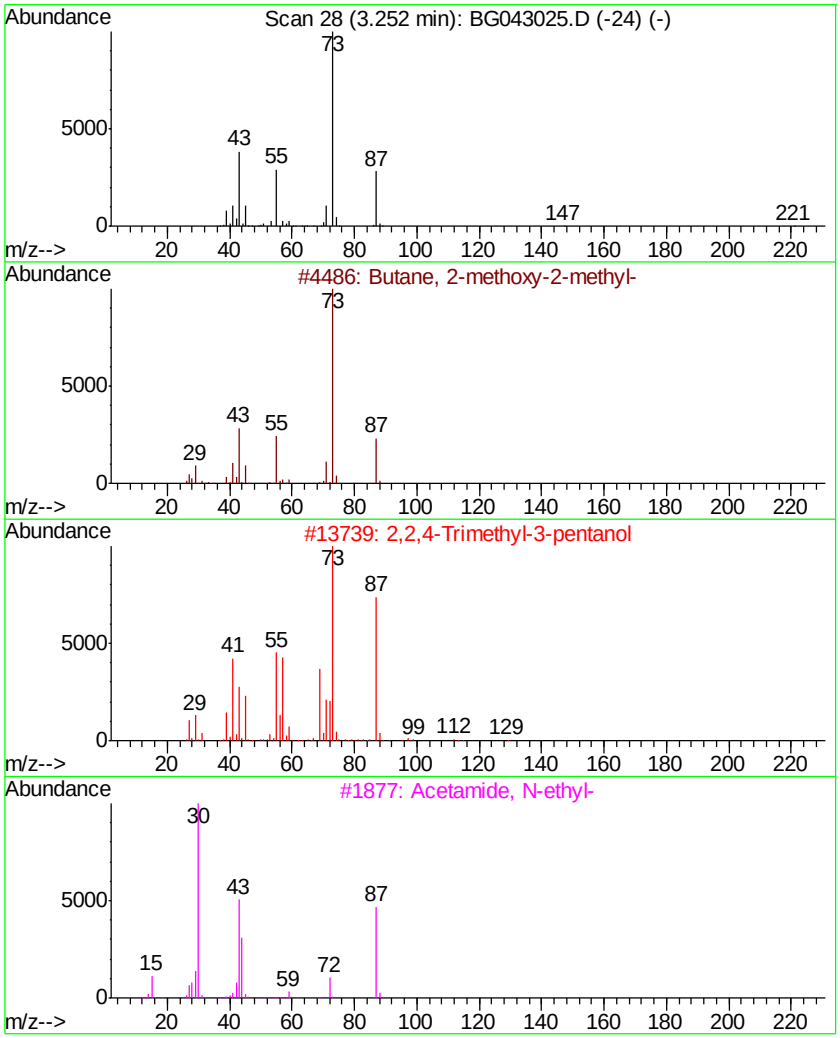
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

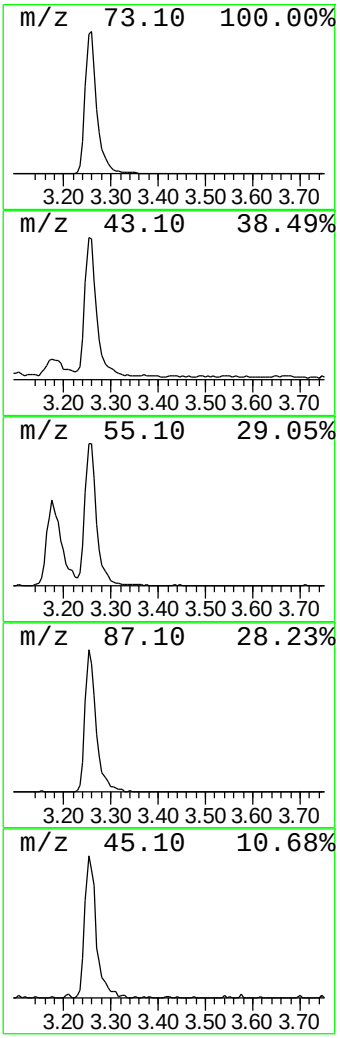
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.25	32.25 ng	689629	1,4-Dichlorobenzene-d4	8.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	16
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	12
5	N-Ethylformamide	73	C3H7NO	000627-45-2	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG100319\
Data File : BG043025.D
Acq On : 4 Oct 2019 5:00
Operator : JU
Sample : K4660-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : TP-1-GROUNDWATER

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG092519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

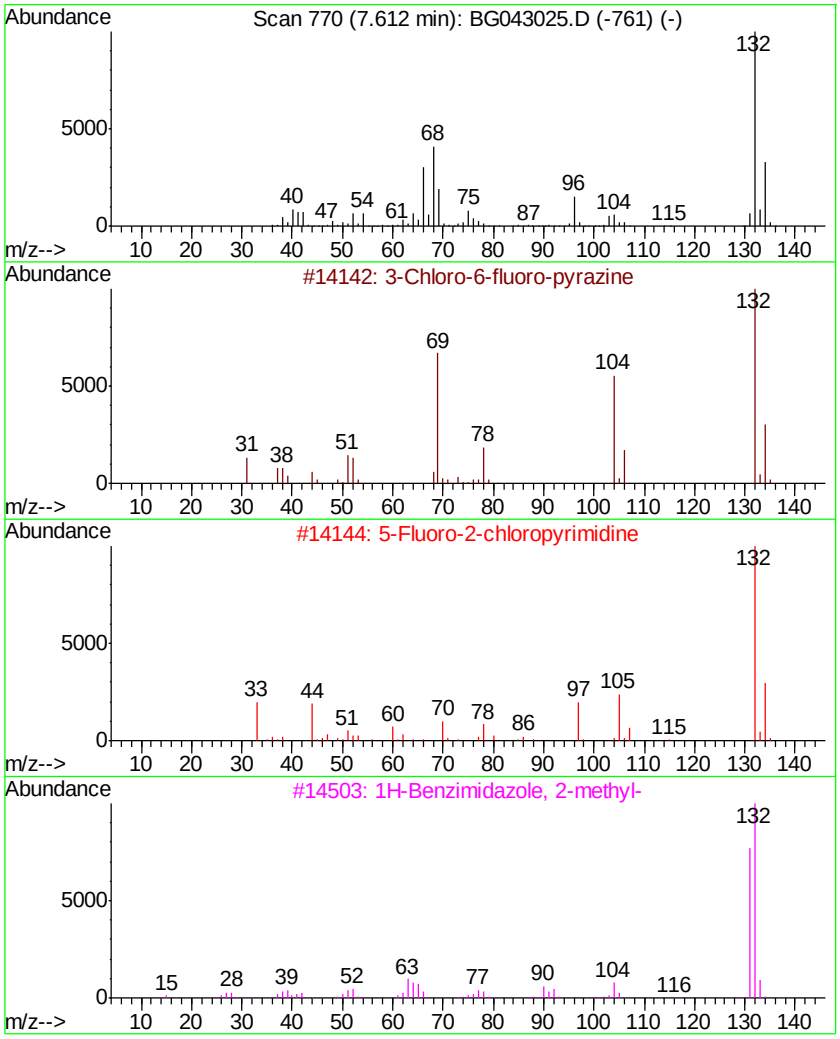
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

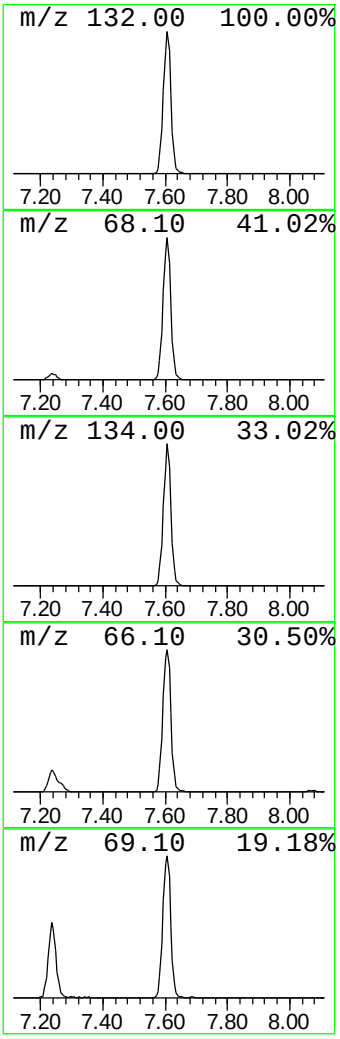
****

Peak Number 3 unknown7.61 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.61	100.24 ng	2143340	1,4-Dichlorobenzene-d4	8.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	27
3	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	22
4	1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	10
5	5-Aminoindole	132	C8H8N2	005192-03-0	10





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG100319\
Data File : BG043025.D
Acq On : 4 Oct 2019 5:00
Operator : JU
Sample : K4660-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : TP-1-GROUNDWATER

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG092519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

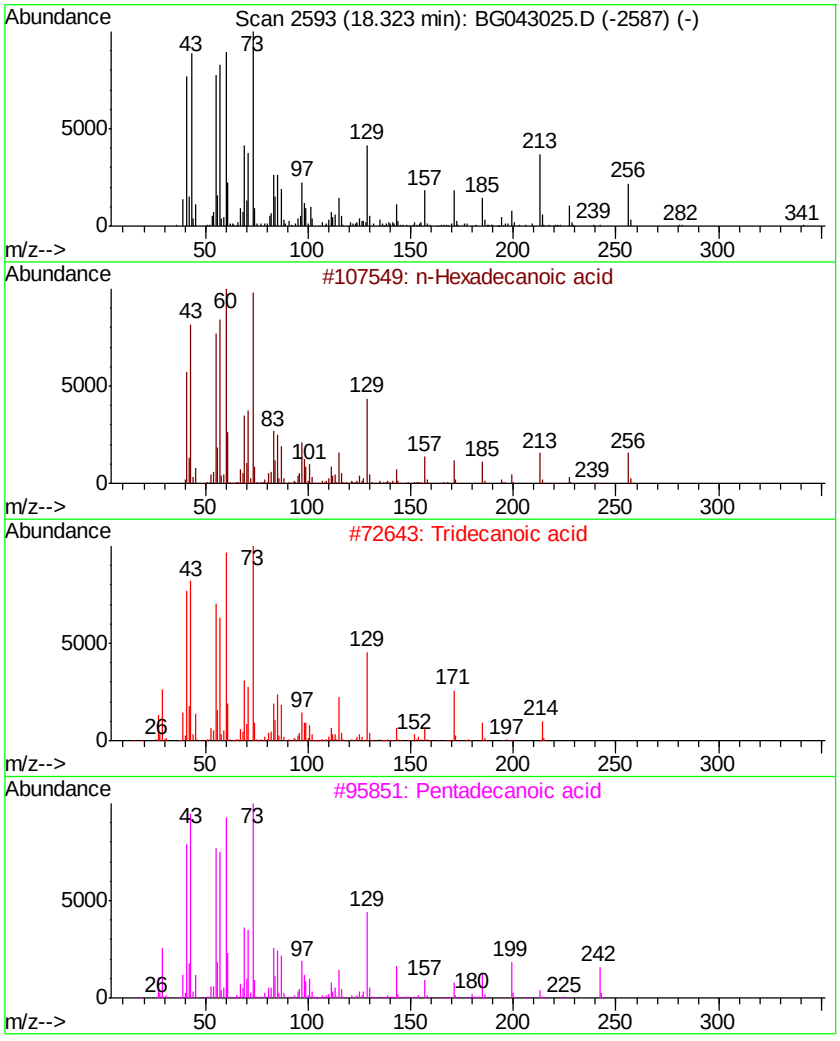
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

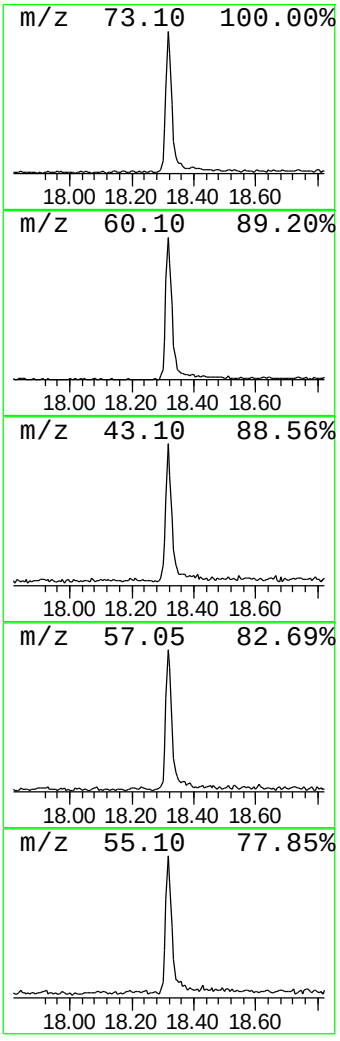
****

Peak Number 5 n-Hexadecanoic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.32	10.83 ng	580254	Phenanthrene-d10	17.43

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	81
4	Octadecanoic acid	284	C18H36O2	000057-11-4	81
5	Undecanoic acid	186	C11H22O2	000112-37-8	76





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG100319\
Data File : BG043025.D
Acq On : 4 Oct 2019 5:00
Operator : JU
Sample : K4660-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : TP-1-GROUNDWATER

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG092519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

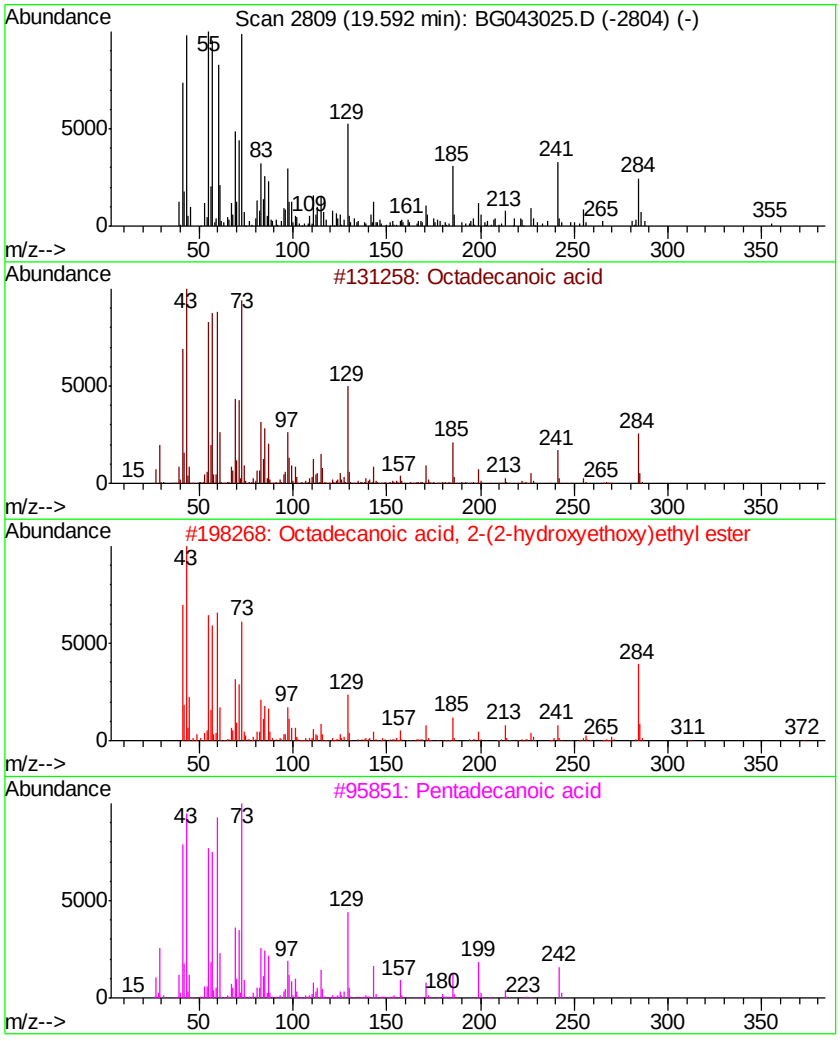
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

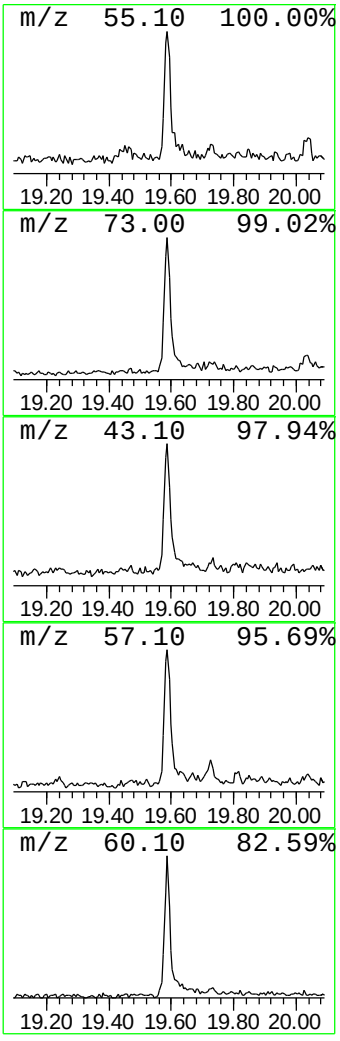
****

Peak Number 6 Octadecanoic acid Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.59	4.32 ng	283105	Chrysene-d12	21.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2	Octadecanoic acid, 2-(2-hydroxye...	372	C22H44O4	000106-11-6	83
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	74
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	72
5	n-Decanoic acid	172	C10H20O2	000334-48-5	64





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG100319\
Data File : BG043025.D
Acq On : 4 Oct 2019 5:00
Operator : JU
Sample : K4660-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : TP-1-GROUNDWATER

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG092519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

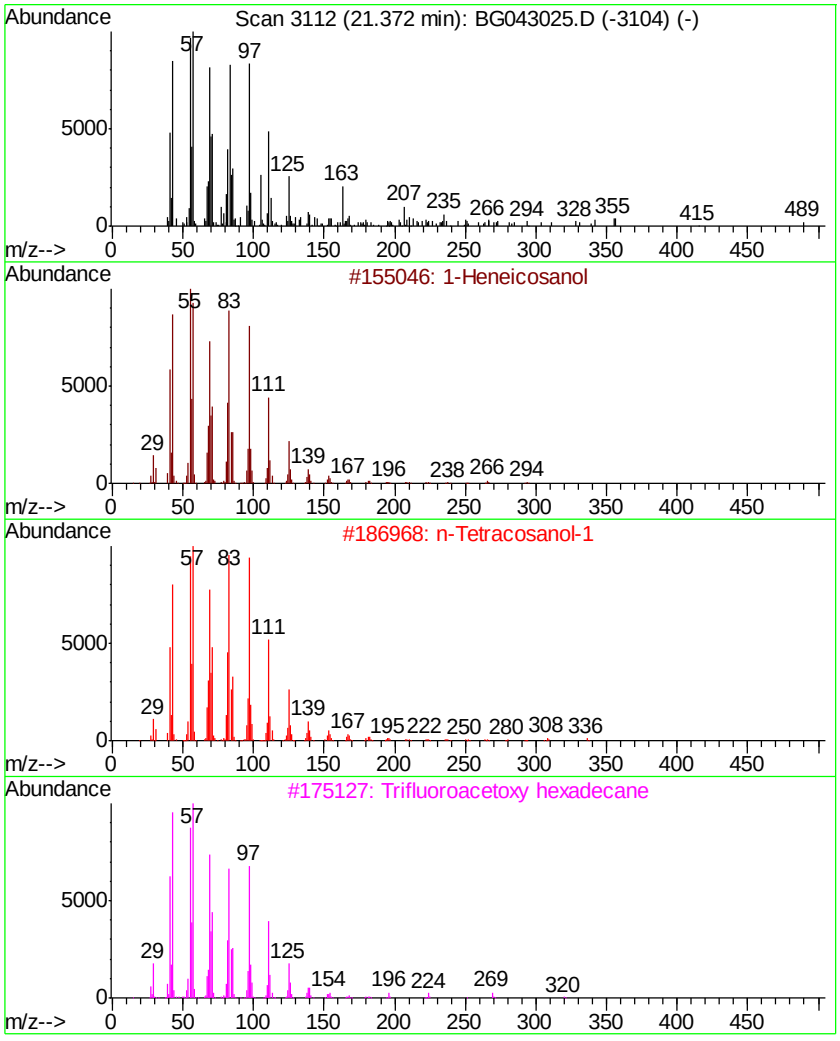
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

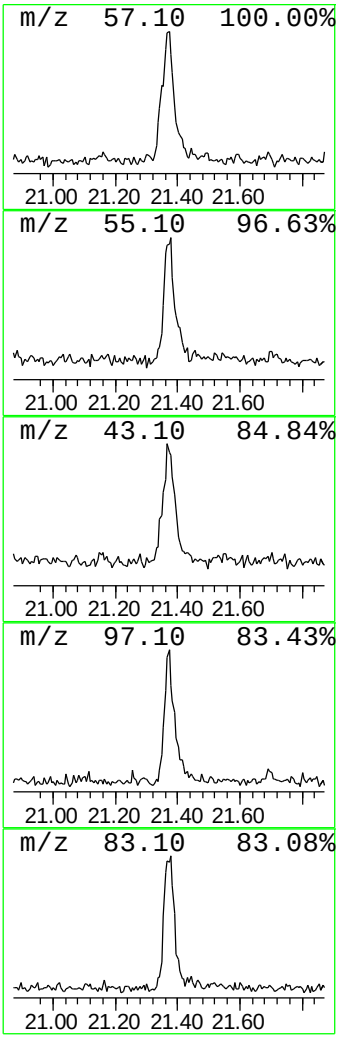
****

Peak Number 7 1-Heneicosanol Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.37	4.95 ng	324085	Chrysene-d12	21.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Heneicosanol	312	C21H44O	015594-90-8	94
2	n-Tetracosanol-1	354	C24H50O	000506-51-4	94
3	Trifluoroacetoxy hexadecane	338	C18H33F3O2	006222-03-3	94
4	Z-5-Nonadecene	266	C19H38	1000131-11-8	93
5	1-Nonadecene	266	C19H38	018435-45-5	93





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Acq On : 4 Oct 2019 5:00
Operator : JU
Sample : K4660-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : TP-1-GROUNDWATER

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG092519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

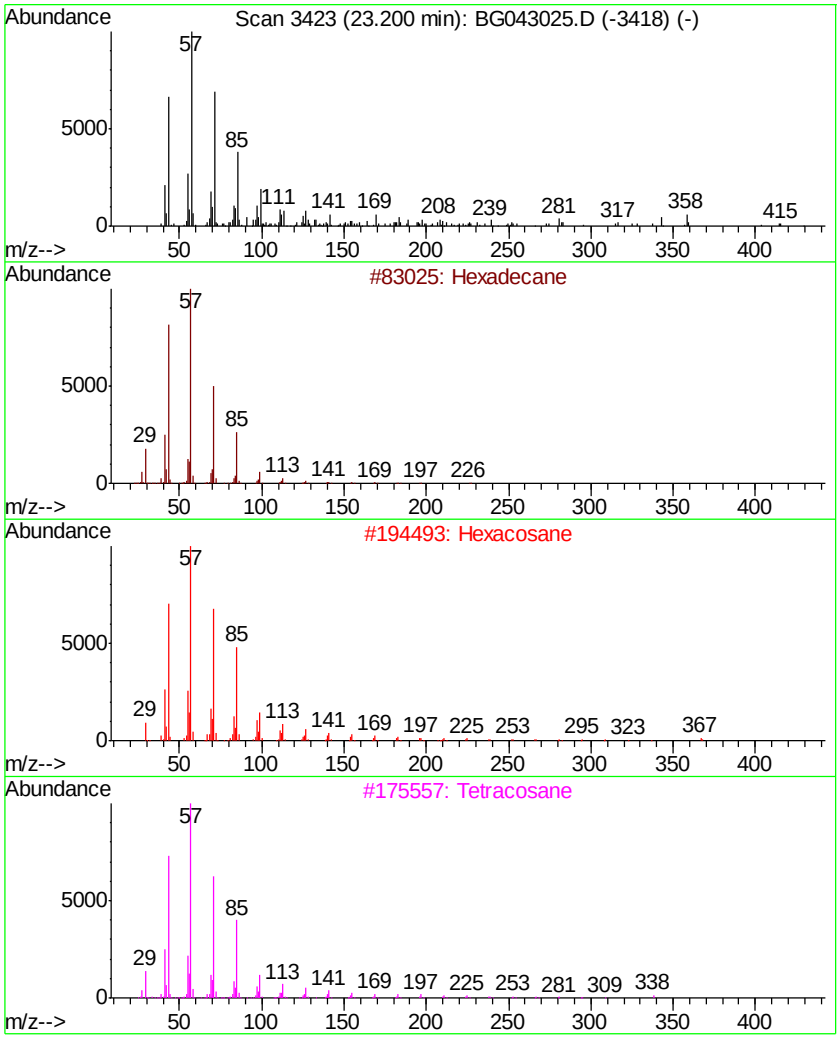
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

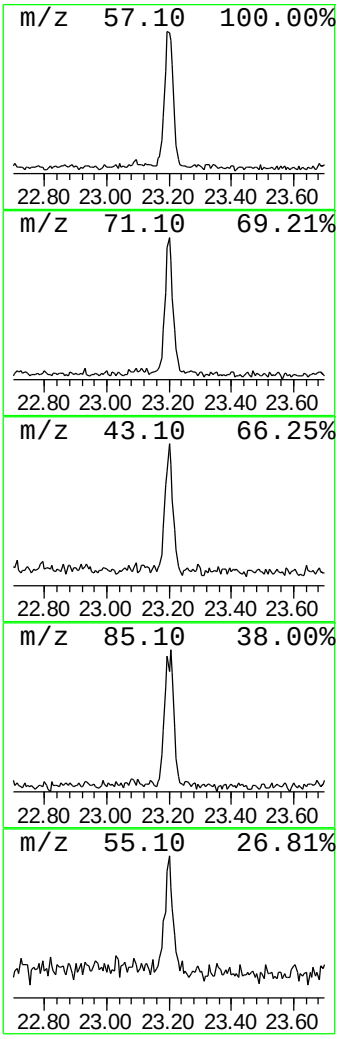
****

Peak Number 8 Hexadecane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.20	2.85 ng	186432	Chrysene-d12	21.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	76
2	Hexacosane	366	C26H54	000630-01-3	74
3	Tetracosane	338	C24H50	000646-31-1	72
4	Pentadecane	212	C15H32	000629-62-9	70
5	Eicosane	282	C20H42	000112-95-8	68





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Misc :
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Instrument : BNA_G
ClientSampleId : TP-1-GROUNDWATER

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG092519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

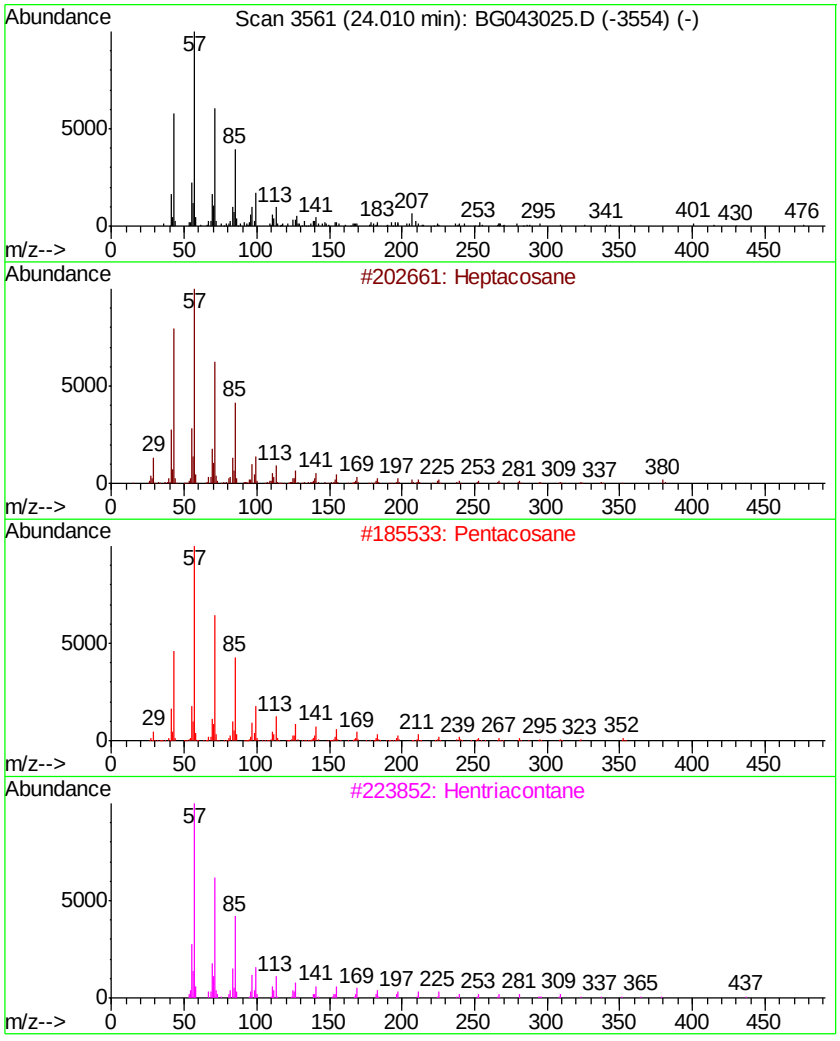
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

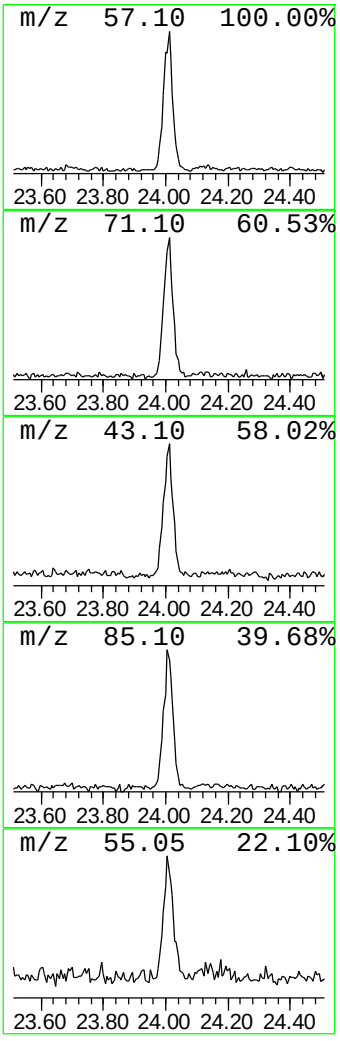
****

Peak Number 9 Heptacosane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.01	2.93 ng	221530	Perylene-d12	24.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptacosane	380	C27H56	000593-49-7	90
2	Pentacosane	352	C25H52	000629-99-2	87
3	Hentriacontane	437	C31H64	000630-04-6	87
4	Octacosane	394	C28H58	000630-02-4	87
5	Heneicosane	296	C21H44	000629-94-7	87





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Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : TP-1-GROUNDWATER

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG092519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

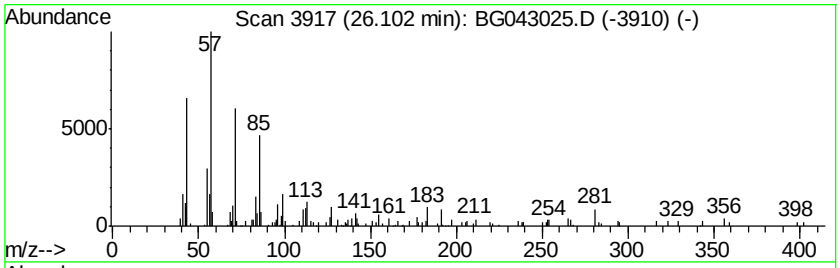
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

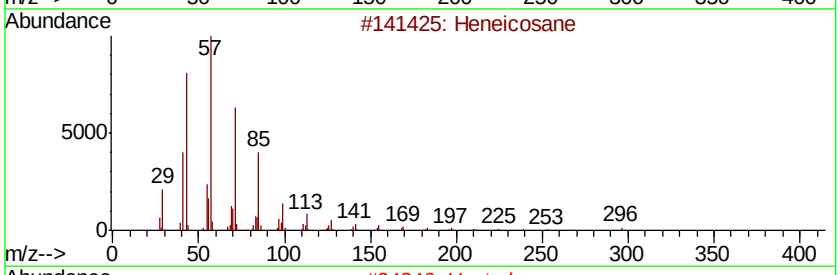
****

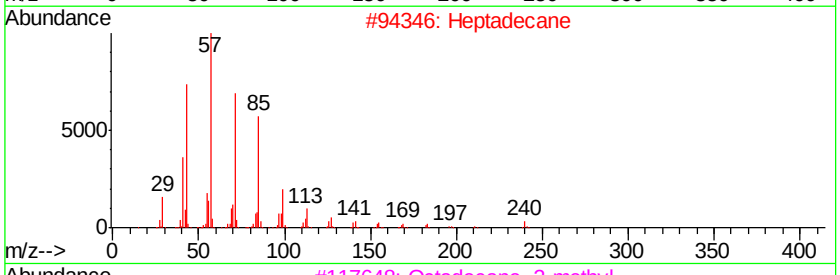
Peak Number 10 Octadecane, 2-methyl- Concentration Rank 10

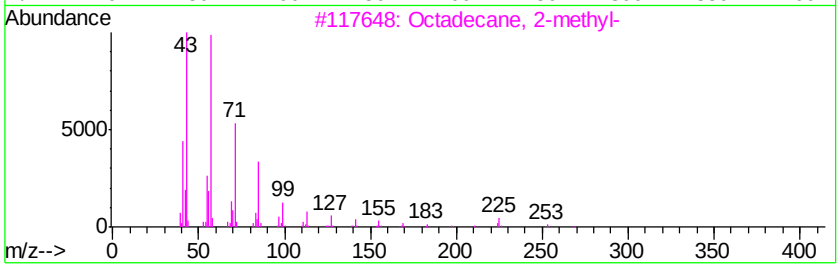
R.T.	EstConc	Area	Relative to ISTD	R.T.
26.10	2.82 ng	212911	Perylene-d12	24.92

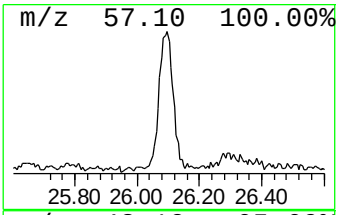
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	78
2	Heptadecane	240	C17H36	000629-78-7	60
3	Octadecane, 2-methyl-	268	C19H40	001560-88-9	60
4	Hexadecane, 2-methyl-	240	C17H36	001560-92-5	52
5	Octadecane, 4-methyl-	268	C19H40	010544-95-3	52

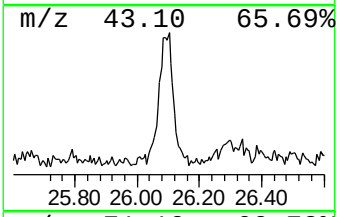


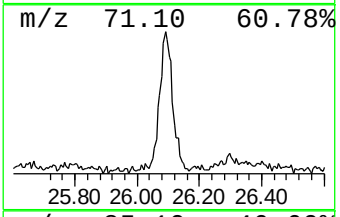


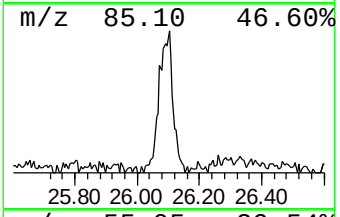


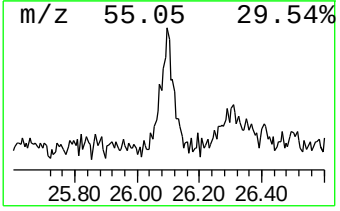












Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG100319\
Data File : BG043025.D
Acq On : 4 Oct 2019 5:00
Operator : JU
Sample : K4660-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : TP-1-GROUNDWATER

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG092519.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
1-Pentene, 2-methyl-	3.18	29.0	ng	619505	1	8.07	427649	20.0
Butane, 2-methoxy...	3.25	32.3	ng	689629	1	8.07	427649	20.0
unknown7.61	7.61	100.2	ng	2143340	1	8.07	427649	20.0
n-Hexadecanoic acid	18.32	10.8	ng	580254	4	17.43	1071950	20.0
Octadecanoic acid	19.59	4.3	ng	283105	5	21.70	1310080	20.0
1-Heneicosanol	21.37	5.0	ng	324085	5	21.70	1310080	20.0
Hexadecane	23.20	2.9	ng	186432	5	21.70	1310080	20.0
Heptacosane	24.01	2.9	ng	221530	6	24.92	1511320	20.0
Octadecane, 2-met...	26.10	2.8	ng	212911	6	24.92	1511320	20.0