LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051923\
Data File : BG057472.D
Acq On : 19 May 2023 18:10
Operator : CG/JU
Sample : 02840-06
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : GROUND-WATER

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-BG042723.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG057472.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.388	307	315	320	rBV	15890	24457	2.38%	0.449%
2	5.876	392	398	408	rVB	125210	207586	20.17%	3.815%
3	7.497	666	674	686	rVB	83811	143534	13.95%	2.638%
4	8.355	814	820	826	rVB	71078	116121	11.28%	2.134%
5	9.535	1013	1021	1028	rBV	163735	293023	28.47%	5.385%
6	9.888	1073	1081	1086	rVB2	9454	13858	1.35%	0.255%
7	11.192	1295	1303	1310	rBV	88553	154144	14.98%	2.833%
8	13.595	1705	1712	1720	rVB	462346	701415	68.15%	12.889%
9	14.734	1886	1906	1908	rBV6	43393	196778	19.12%	3.616%
10	14.969	1940	1946	1952	rVB2	132053	212866	20.68%	3.912%
11	16.262	2158	2166	2168	rBV9	5890	14973	1.45%	0.275%
12	16.303	2168	2173	2179	rVB	70475	106058	10.30%	1.949%
13	16.450	2192	2198	2206	rVB	331415	512524	49.80%	9.418%
14	17.707	2406	2412	2419	rBV	186142	287428	27.93%	5.282%
15	18.547	2550	2555	2572	rVB	127473	218071	21.19%	4.007%
16	19.692	2744	2750	2752	rBV7	7825	17121	1.66%	0.315%
17	19.798	2764	2768	2781	rVB	82516	157398	15.29%	2.892%
18	20.274	2844	2849	2856	rVB	809689	1029221	100.00%	18.913%
19	20.403	2865	2871	2874	rBV6	7552	13634	1.32%	0.251%
20	21.038	2976	2979	2984	rVB3	11453	14117	1.37%	0.259%
21	21.126	2991	2994	3000	rVB5	8055	12053	1.17%	0.221%
22	21.596	3066	3074	3082	rBV10	15997	59219	5.75%	1.088%
23	21.836	3113	3115	3119	rVB2	10355	11445	1.11%	0.210%
24	21.925	3125	3130	3139	rBV10	11330	26656	2.59%	0.490%
25	22.013	3139	3145	3153	rVB2	206765	348524	33.86%	6.405%
26	22.148	3163	3168	3172	rVB3	15485	25237	2.45%	0.464%
27	22.794	3274	3278	3282	rBV2	16136	24898	2.42%	0.458%
28	23.534	3399	3404	3412	rVB3	19583	37616	3.65%	0.691%
29	23.898	3459	3466	3472	rBV3	9438	25426	2.47%	0.467%
30	24.404	3546	3552	3559	rVB3	21391	45208	4.39%	0.831%
31	25.420	3719	3725	3726	rBV5	12020	21098	2.05%	0.388%
32	25.508	3731	3740	3751	rVB2	103593	312438	30.36%	5.741%
33	26.648	3928	3934	3948	rVB3	17930	57709	5.61%	1.060%

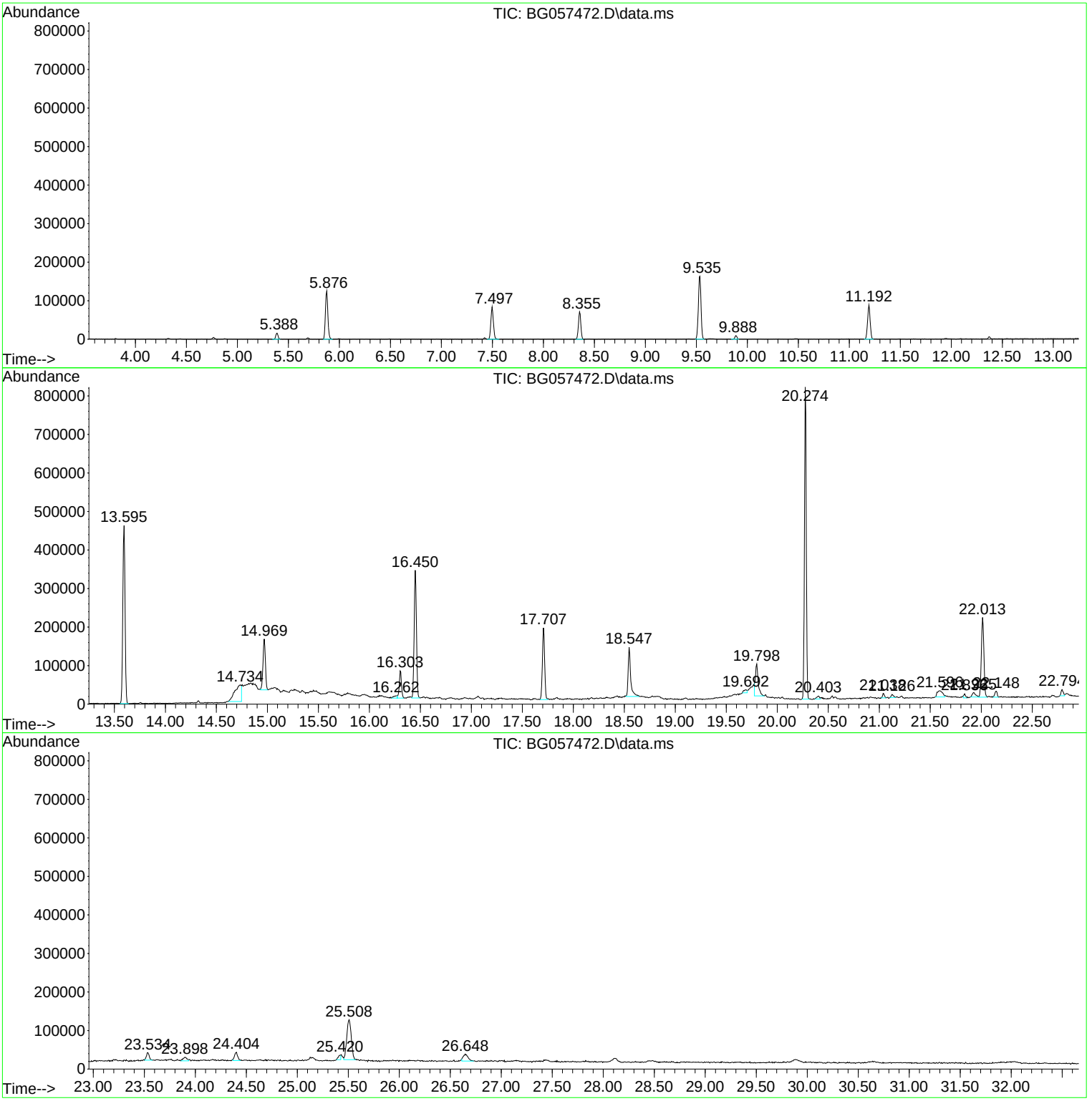
Sum of corrected areas: 5441854

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051923\
Data File : BG057472.D
Acq On : 19 May 2023 18:10
Operator : CG/JU
Sample : 02840-06
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
GROUND-WATER

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051923\
Data File : BG057472.D
Acq On : 19 May 2023 18:10
Operator : CG/JU
Sample : 02840-06
Misc :
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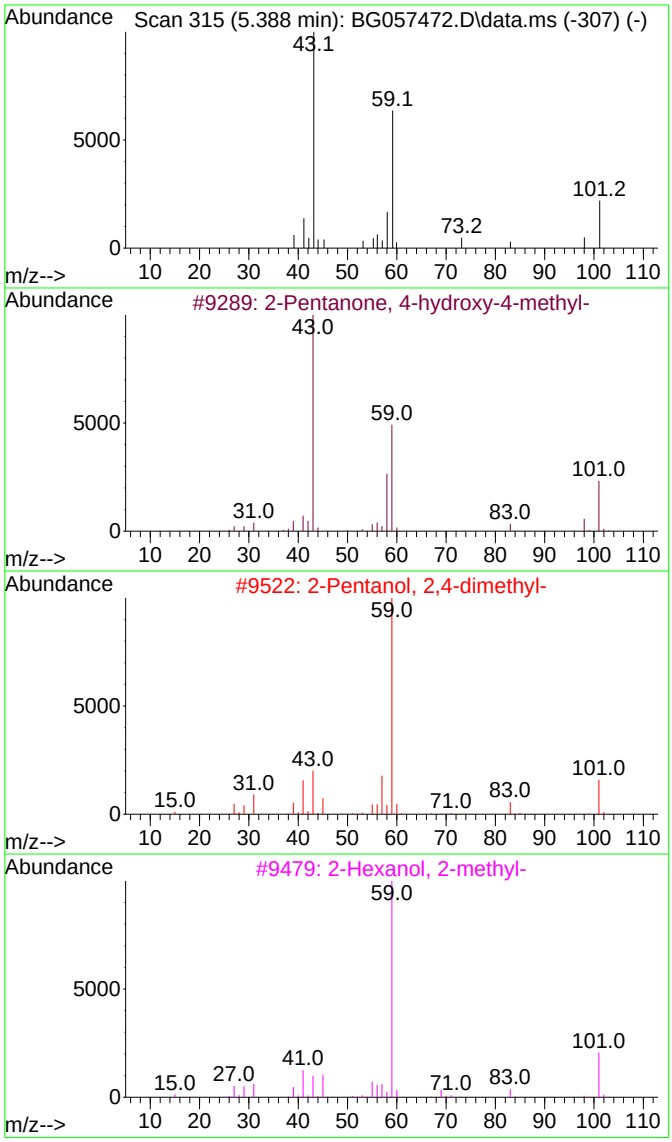
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

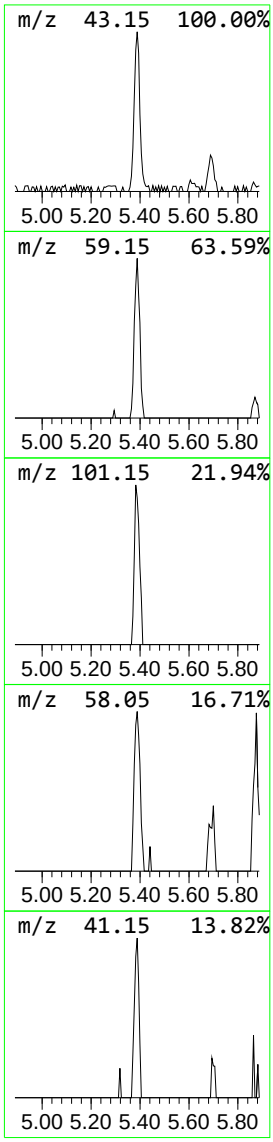
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.388	4.21 ng	24457	1,4-Dichlorobenzene-d4	8.355

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	2-Pentanol, 2,4-dimethyl-	116	C7H16O	000625-06-9	50
3	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	50
4	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	38
5	3-Hexanol	102	C6H14O	000623-37-0	32





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051923\
Data File : BG057472.D
Acq On : 19 May 2023 18:10
Operator : CG/JU
Sample : 02840-06
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
GROUND-WATER

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

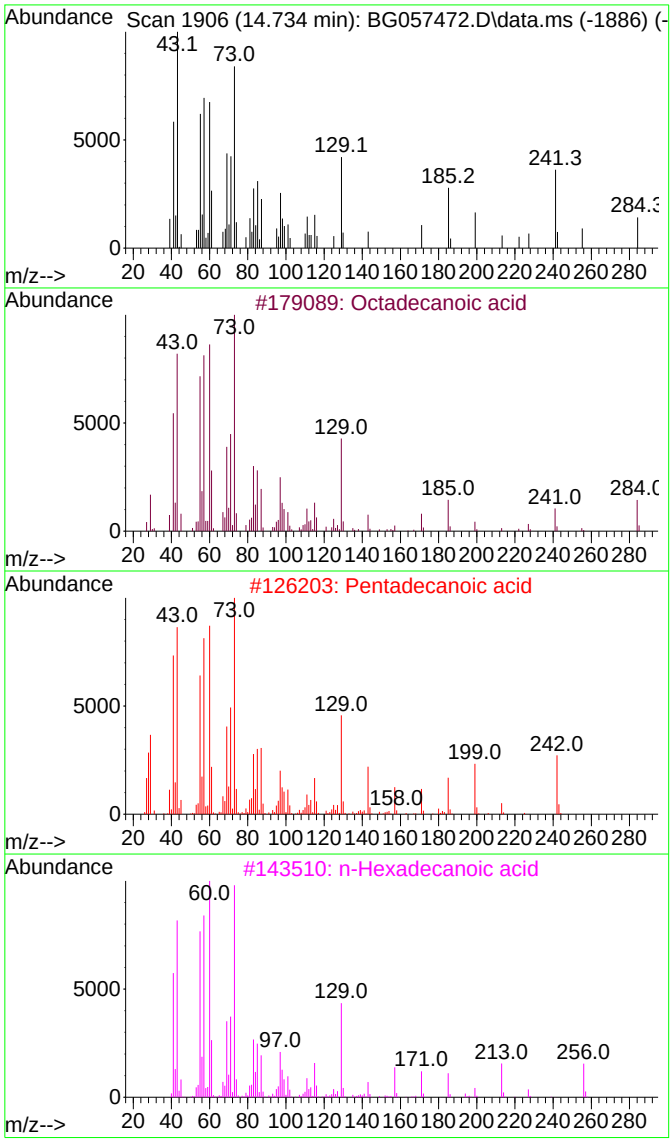
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

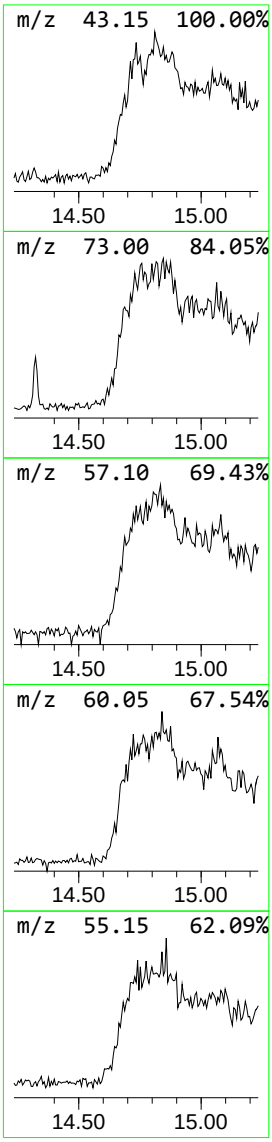
****

Peak Number 2 Octadecanoic acid Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.734	18.49 ng	196778	Acenaphthene-d10	14.969

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	90
3	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	52
4	Dodecanoic acid	200	C12H24O2	000143-07-7	47
5	Tetradecanoic acid	228	C14H28O2	000544-63-8	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051923\
Data File : BG057472.D
Acq On : 19 May 2023 18:10
Operator : CG/JU
Sample : 02840-06
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
GROUND-WATER

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

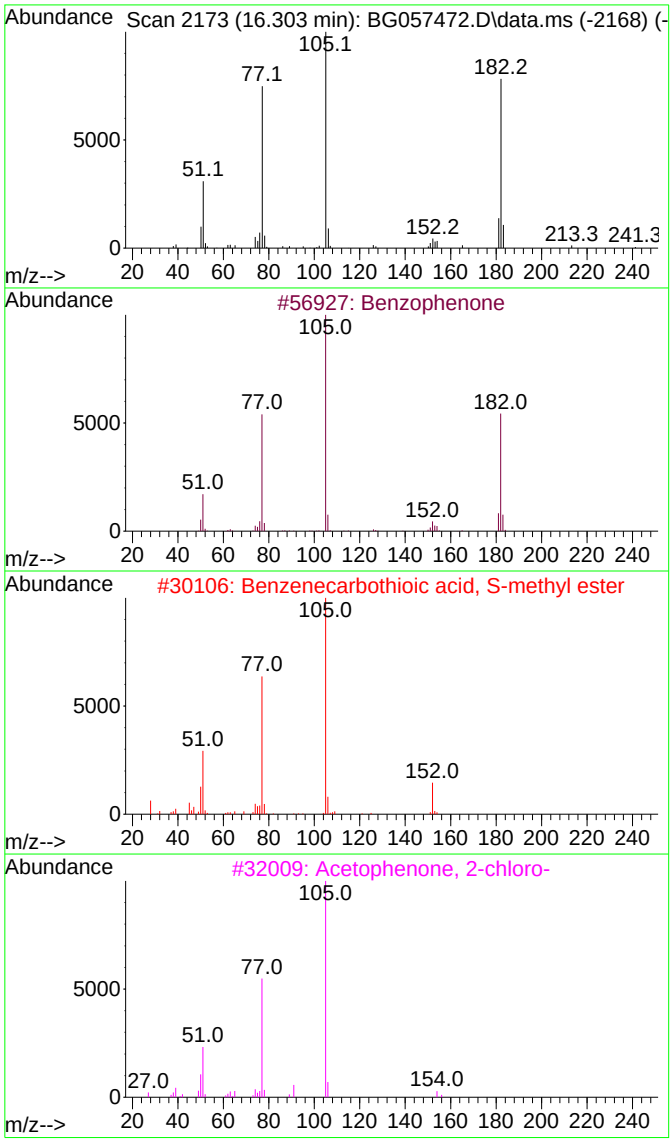
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

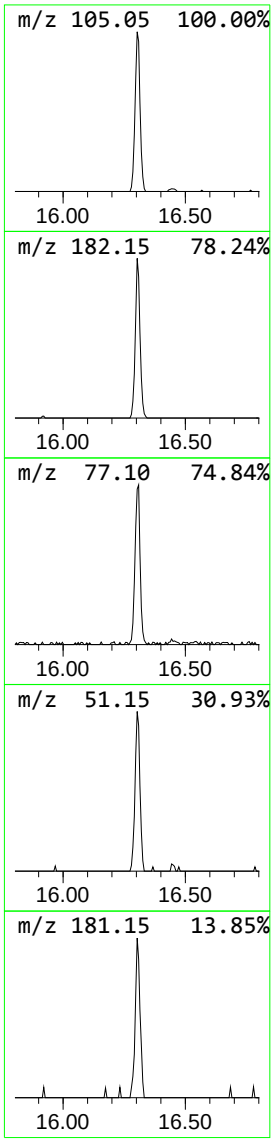
****

Peak Number 3 Benzophenone Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.303	9.96 ng	106058	Acenaphthene-d10	14.969

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	97
2	Benzenecarbothioic acid, S-methy...	152	C8H8OS	005925-68-8	47
3	Acetophenone, 2-chloro-	154	C8H7ClO	000532-27-4	46
4	Benzoylformic acid	150	C8H6O3	000611-73-4	46
5	N-Methoxy-N-methylbenzamide	165	C9H11NO2	006919-61-5	46





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051923\
Data File : BG057472.D
Acq On : 19 May 2023 18:10
Operator : CG/JU
Sample : 02840-06
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
GROUND-WATER

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

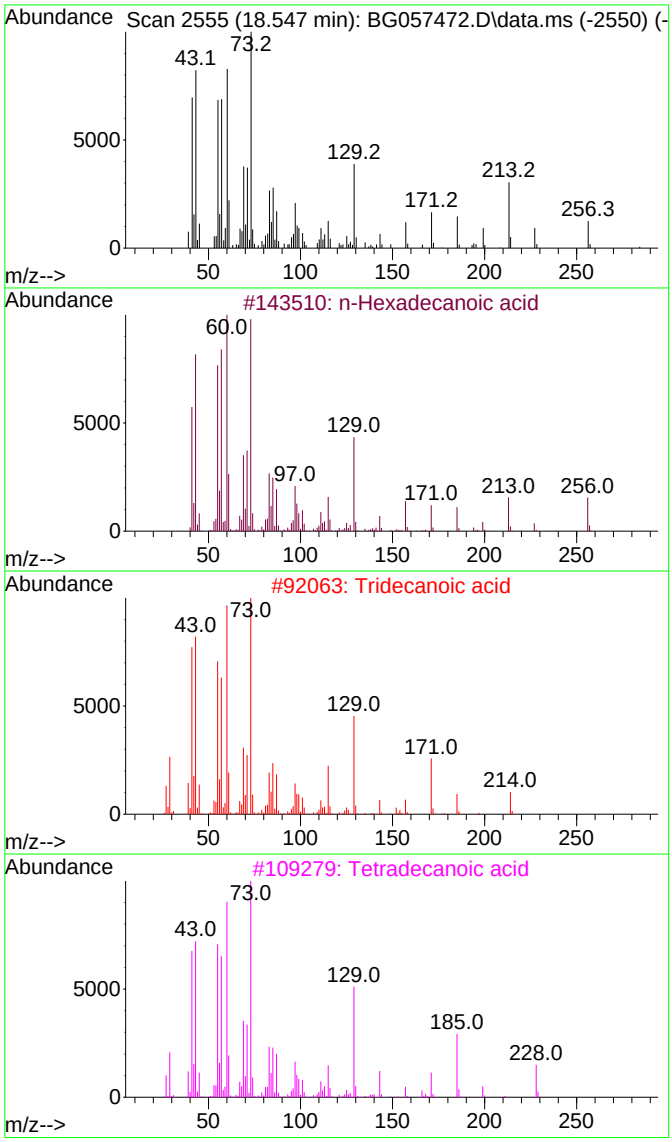
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

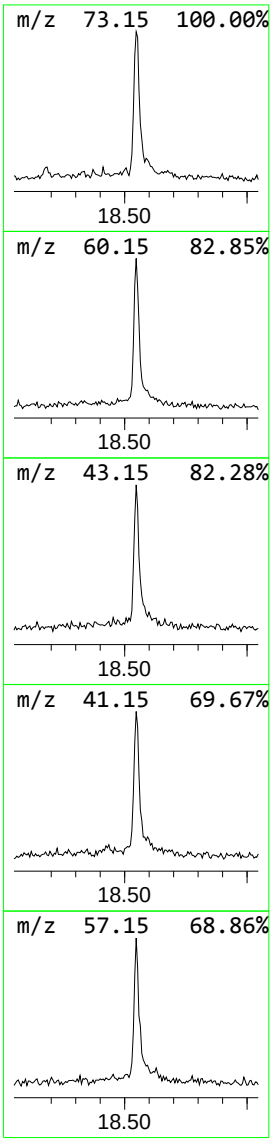
****

Peak Number 4 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.547	15.17 ng	218071	Phenanthrene-d10	17.707

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	90
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	89
4	Octadecanoic acid	284	C18H36O2	000057-11-4	81
5	Pentadecanoic acid	242	C15H30O2	001002-84-2	70





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051923\
Data File : BG057472.D
Acq On : 19 May 2023 18:10
Operator : CG/JU
Sample : 02840-06
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
GROUND-WATER

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

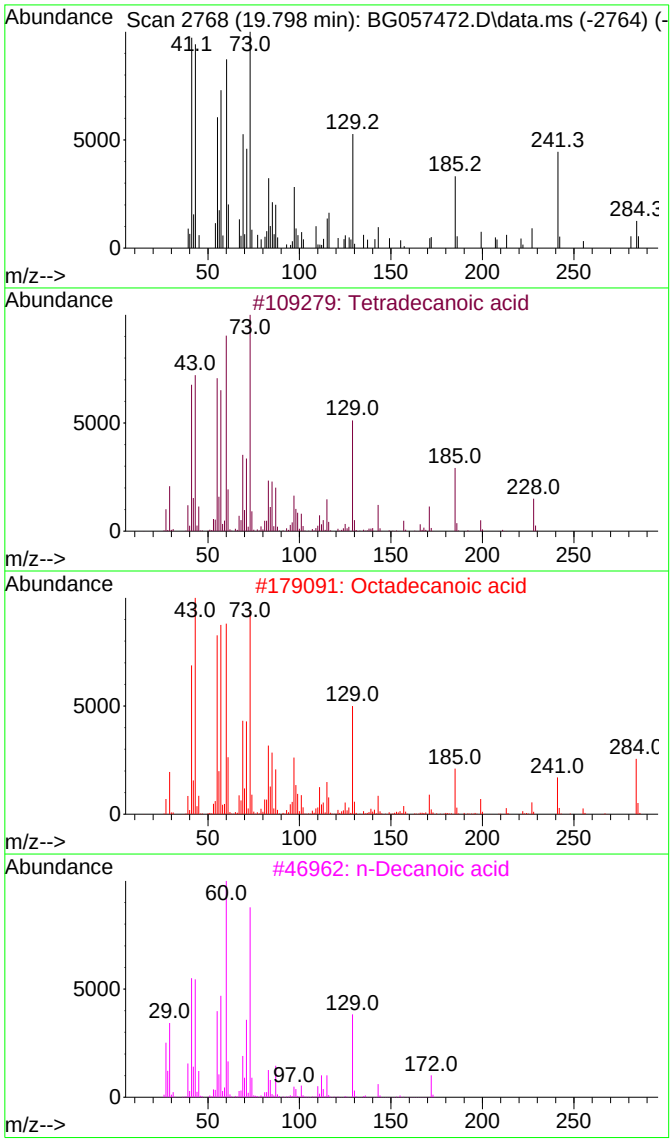
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

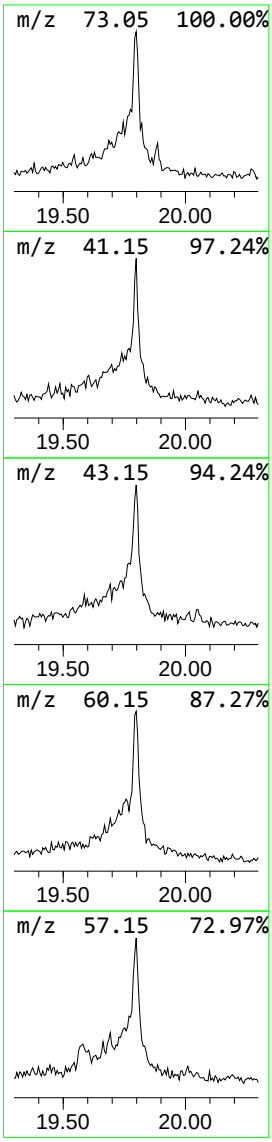
****

Peak Number 5 Tetradecanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.798	10.95 ng	157398	Phenanthrene-d10	17.707

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecanoic acid	228	C14H28O2	000544-63-8	68
2	Octadecanoic acid	284	C18H36O2	000057-11-4	64
3	n-Decanoic acid	172	C10H20O2	000334-48-5	64
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	58
5	Undecanoic acid	186	C11H22O2	000112-37-8	49





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051923\
Data File : BG057472.D
Acq On : 19 May 2023 18:10
Operator : CG/JU
Sample : 02840-06
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
GROUND-WATER

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

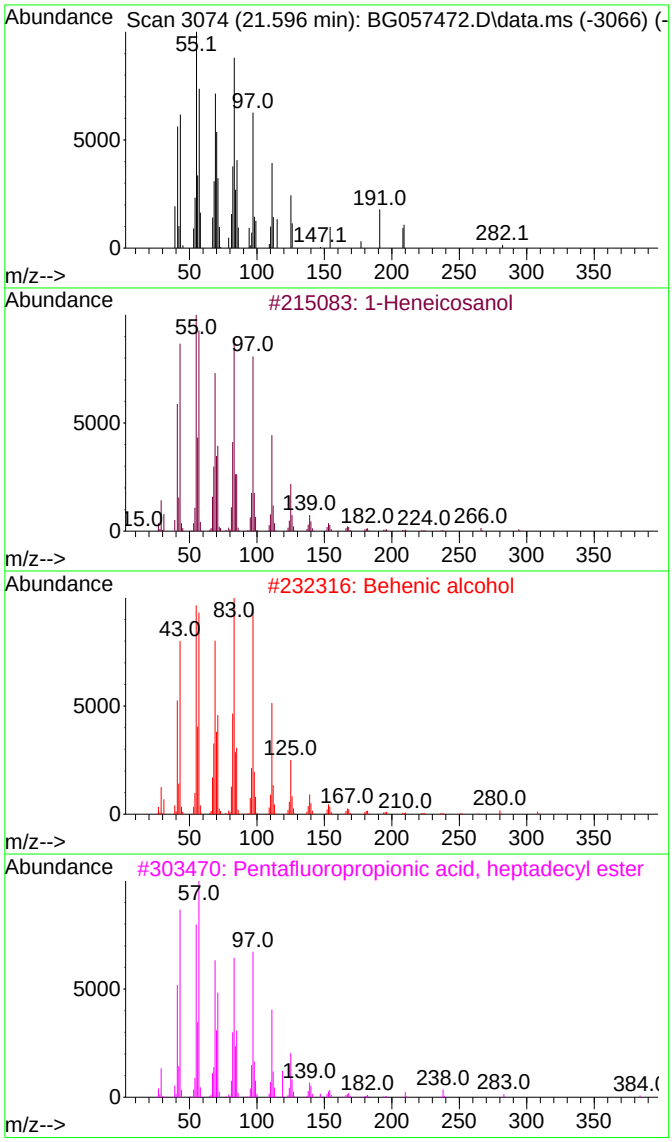
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

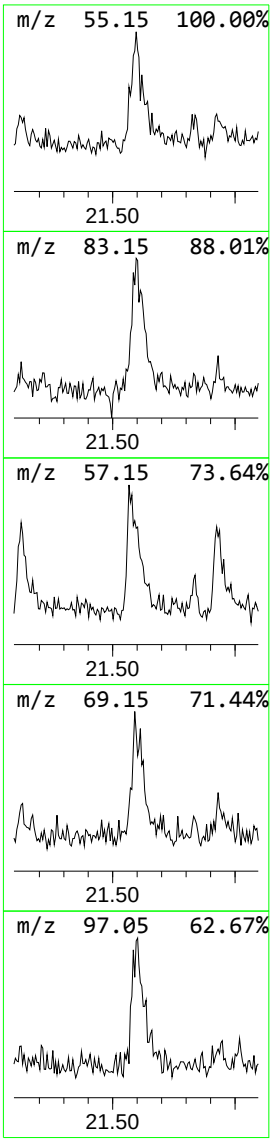
****

Peak Number 6 1-Heneicosanol Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.596	3.40 ng	59219	Chrysene-d12	22.013

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Heneicosanol	312	C21H44O	015594-90-8	76
2	Behenic alcohol	326	C22H46O	000661-19-8	76
3	Pentafluoropropionic acid, hepta...	402	C20H35F5O2	959218-78-1	72
4	n-Nonadecanol-1	284	C19H40O	001454-84-8	70
5	5-Fluoro-3-trifluoromethylbenzoi...	474	C27H42F4O2	1000338-91-1	68





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051923\
Data File : BG057472.D
Acq On : 19 May 2023 18:10
Operator : CG/JU
Sample : 02840-06
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
GROUND-WATER

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

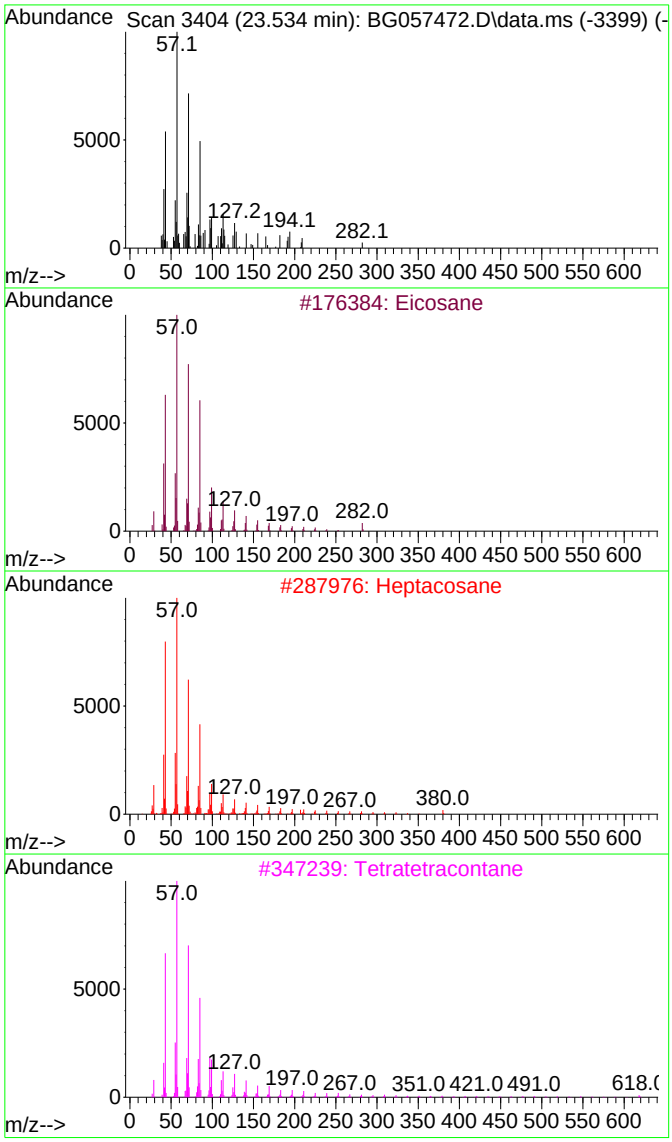
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

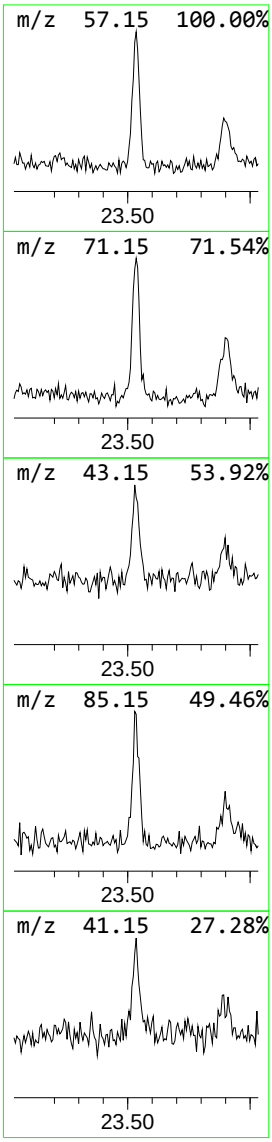
****

Peak Number 7 Eicosane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.534	2.16 ng	37616	Chrysene-d12	22.013

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	91
2	Heptacosane	380	C27H56	000593-49-7	83
3	Tetratetracontane	619	C44H90	007098-22-8	80
4	Hentriacontane	437	C31H64	000630-04-6	80
5	Hexacosane	366	C26H54	000630-01-3	80





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051923\
Data File : BG057472.D
Acq On : 19 May 2023 18:10
Operator : CG/JU
Sample : 02840-06
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
GROUND-WATER

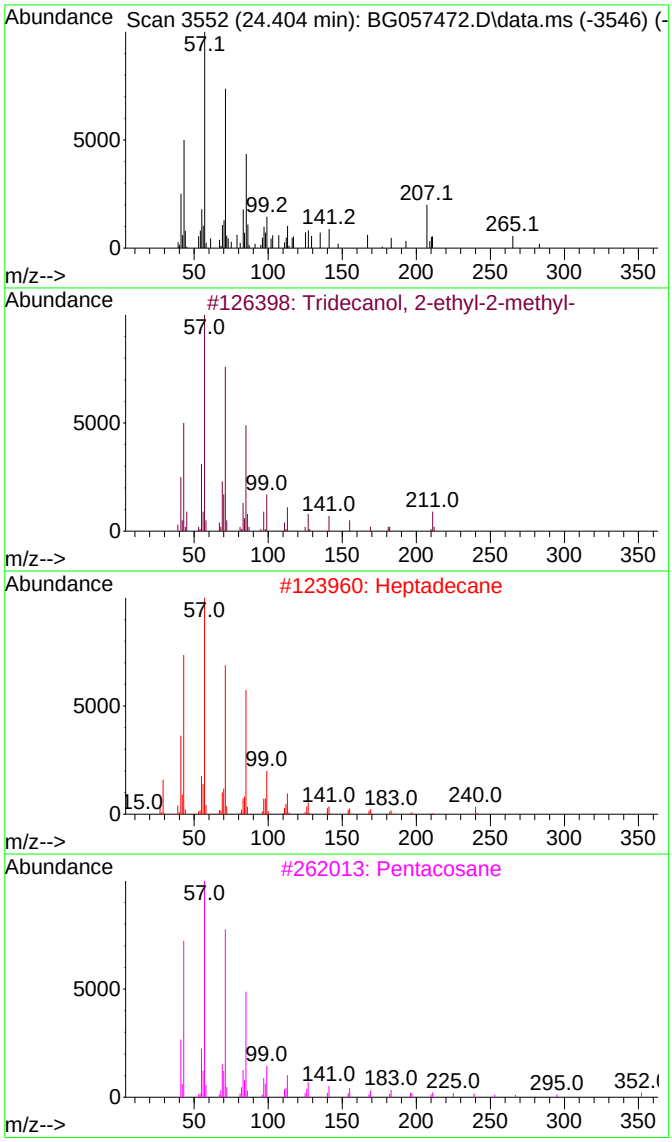
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

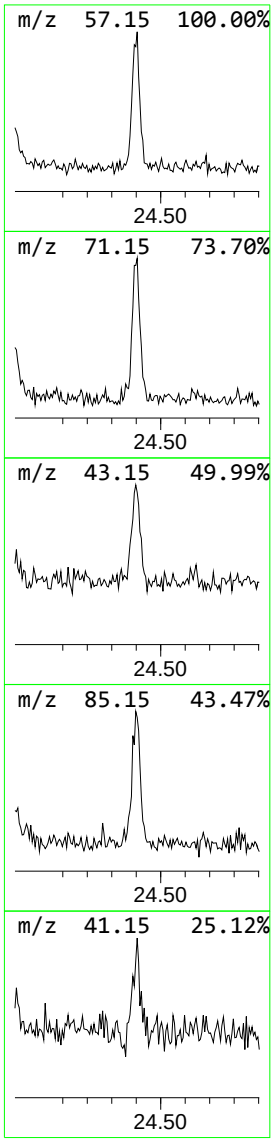
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Tridecanol, 2-ethyl-2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.404	2.89 ng	45208	Perylene-d12	25.508

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecanol, 2-ethyl-2-methyl-	242	C16H34O	1010115-66-1	80
2	Heptadecane	240	C17H36	000629-78-7	74
3	Pentacosane	352	C25H52	000629-99-2	74
4	Tetracosane	338	C24H50	000646-31-1	72
5	Hexadecane	226	C16H34	000544-76-3	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051923\
Data File : BG057472.D
Acq On : 19 May 2023 18:10
Operator : CG/JU
Sample : 02840-06
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
GROUND-WATER

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

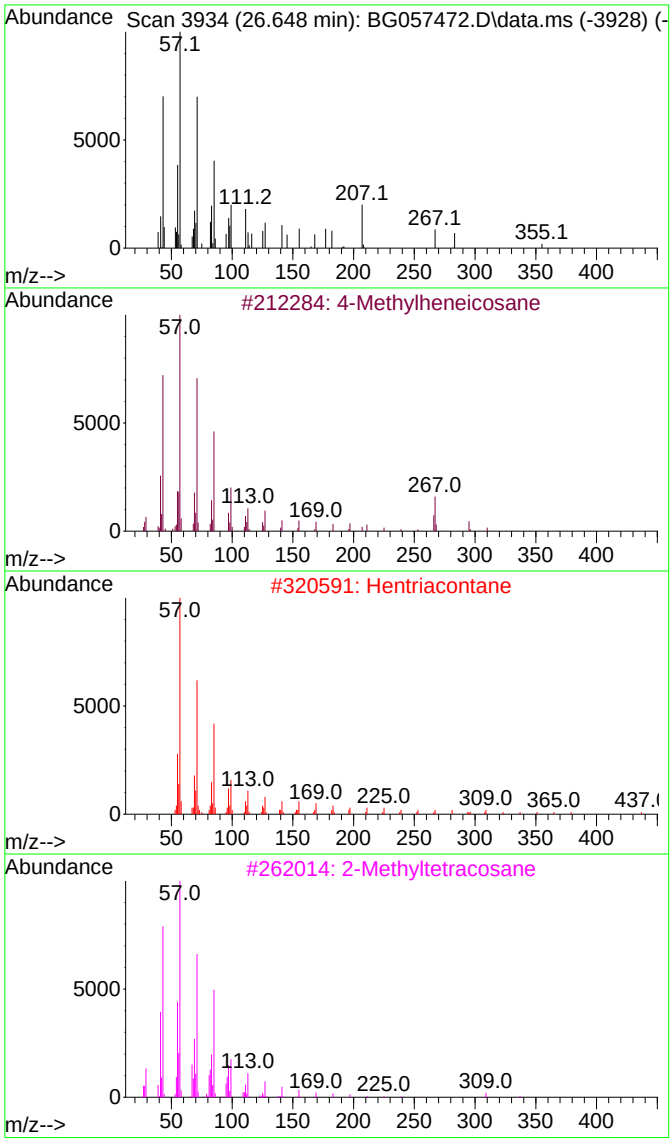
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

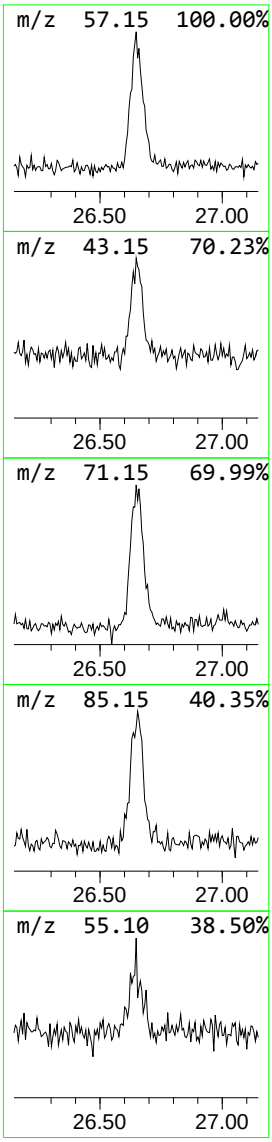
****

Peak Number 9 4-Methylheneicosane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.648	3.69 ng	57709	Perylene-d12	25.508

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Methylheneicosane	310	C22H46	025117-29-7	64
2	Hentriacontane	437	C31H64	000630-04-6	64
3	2-Methyltetracosane	352	C25H52	001560-78-7	58
4	Heptadecane	240	C17H36	000629-78-7	50
5	Tricosane	324	C23H48	000638-67-5	50





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051923\
Data File : BG057472.D
Acq On : 19 May 2023 18:10
Operator : CG/JU
Sample : 02840-06
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
GROUND-WATER

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-...	5.388	4.2	ng	24457	1	8.355	116121	20.0
Octadecanoic acid	14.734	18.5	ng	196778	3	14.969	212866	20.0
Benzophenone	16.303	10.0	ng	106058	3	14.969	212866	20.0
n-Hexadecanoic ...	18.547	15.2	ng	218071	4	17.707	287428	20.0
Tetradecanoic acid	19.798	10.9	ng	157398	4	17.707	287428	20.0
1-Heneicosanol	21.596	3.4	ng	59219	5	22.013	348524	20.0
Eicosane	23.534	2.2	ng	37616	5	22.013	348524	20.0
Tridecanol, 2-e...	24.404	2.9	ng	45208	6	25.508	312438	20.0
4-Methylheneico...	26.648	3.7	ng	57709	6	25.508	312438	20.0