LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100219\
Data File : BF117312.D
Acq On : 2 Oct 2019 20:56
Operator : JU
Sample : K4660-03
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
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_F\METHODS\8270-BF091319.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	5.428	564	568	584	rBV	337780	417029	50.75%	7.440%
2	6.445	738	741	760	rBV	242917	328901	40.03%	5.868%
3	6.581	760	764	778	rVB	680336	623907	75.93%	11.130%
4	6.804	799	802	812	rBV	131330	118678	14.44%	2.117%
5	6.963	825	829	845	rBV	532348	473461	57.62%	8.446%
6	7.369	894	898	913	rBV	298370	352679	42.92%	6.292%
7	8.092	1017	1021	1036	rBV	110839	146773	17.86%	2.618%
8	9.163	1199	1203	1216	rBV	826655	746839	90.89%	13.324%
9	9.557	1267	1270	1279	rBB	43266	40657	4.95%	0.725%
10	9.839	1315	1318	1327	rVB	180933	184272	22.42%	3.287%
11	10.633	1450	1453	1464	rBV	462812	458685	55.82%	8.183%
12	11.327	1568	1571	1583	rBV	183085	190905	23.23%	3.406%
13	11.851	1658	1660	1672	rBV2	57343	74211	9.03%	1.324%
14	12.639	1790	1794	1799	rBV2	17519	21048	2.56%	0.375%
15	12.910	1836	1840	1844	rBV	948245	821736	100.00%	14.660%
16	13.809	1987	1993	2001	rBV3	37536	78656	9.57%	1.403%
17	13.974	2017	2021	2028	rBV	167623	162143	19.73%	2.893%
18	14.121	2043	2046	2050	rBV2	14924	14283	1.74%	0.255%
19	14.421	2095	2097	2102	rBV	23888	24212	2.95%	0.432%
20	14.727	2145	2149	2154	rVB	33186	35999	4.38%	0.642%
21	15.051	2200	2204	2207	rBV	38980	43751	5.32%	0.781%
22	15.427	2263	2268	2276	rBV3	126175	174823	21.27%	3.119%
23	15.839	2334	2338	2344	rBV2	27118	42796	5.21%	0.763%
24	16.327	2414	2421	2425	rBV3	16002	28968	3.53%	0.517%

Sum of corrected areas: 5605412

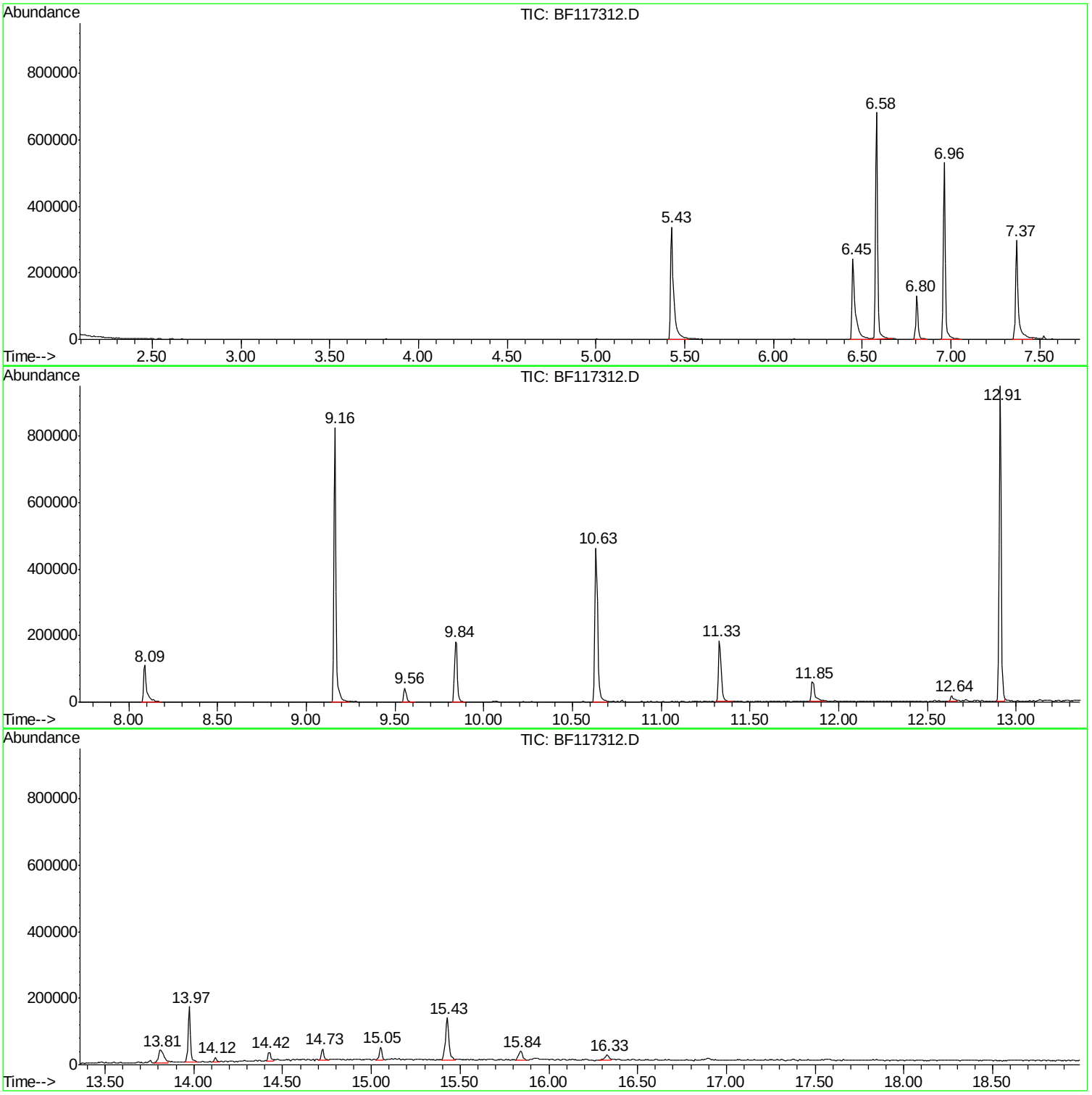
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100219\
Data File : BF117312.D
Acq On : 2 Oct 2019 20:56
Operator : JU
Sample : K4660-03
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-1-GROUNDWATER

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100219\
Data File : BF117312.D
Acq On : 2 Oct 2019 20:56
Operator : JU
Sample : K4660-03
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-1-GROUNDWATER

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

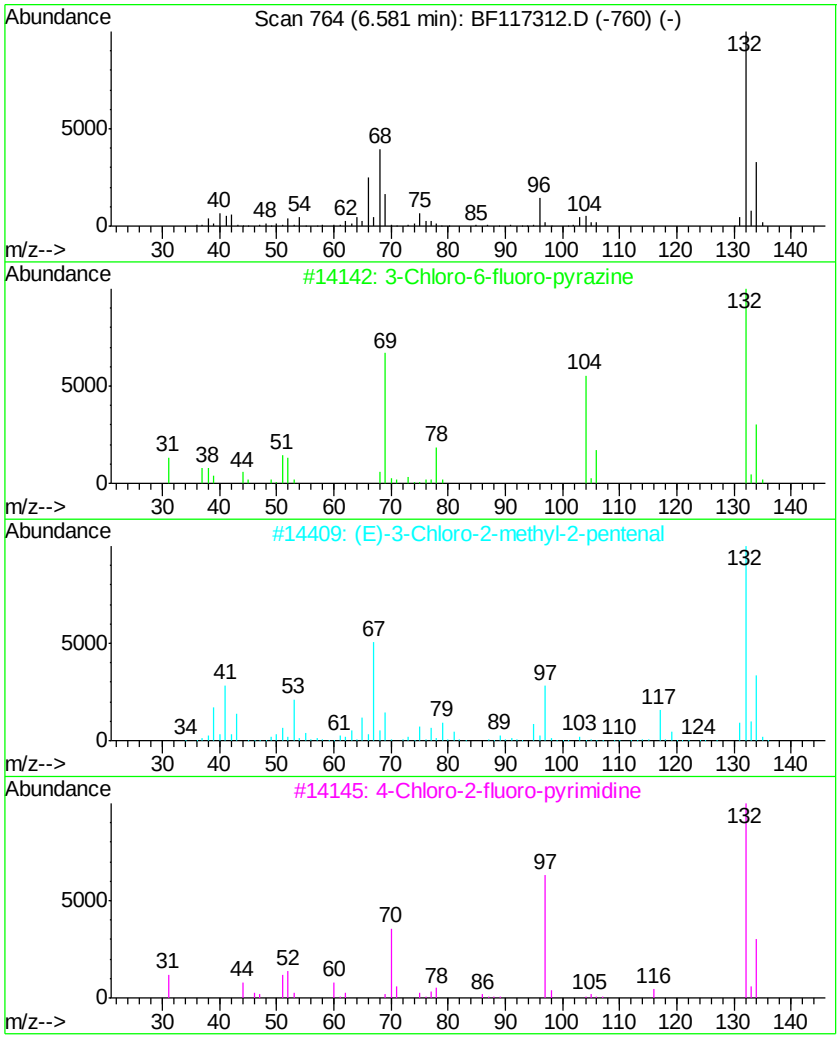
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

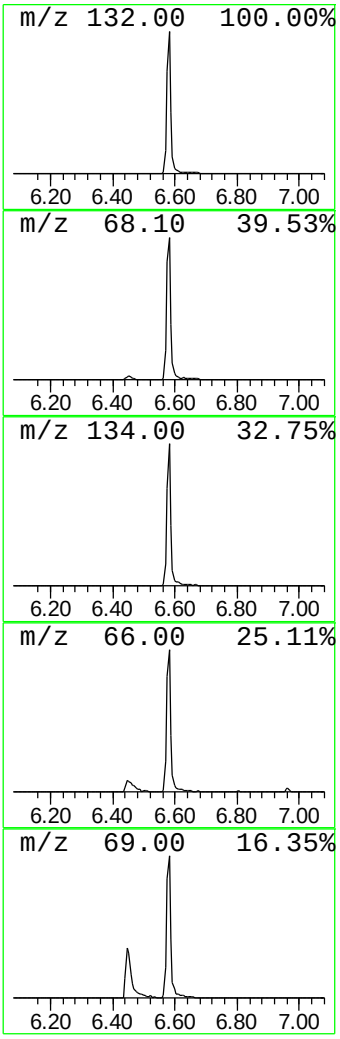
****

Peak Number 1 unknown6.58 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.58	105.14 ng	623907	1,4-Dichlorobenzene-d4	6.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	16
3	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9
4	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9
5	1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9





Library Search Compound Report

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Data File : BF117312.D
Acq On : 2 Oct 2019 20:56
Operator : JU
Sample : K4660-03
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-1-GROUNDWATER

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

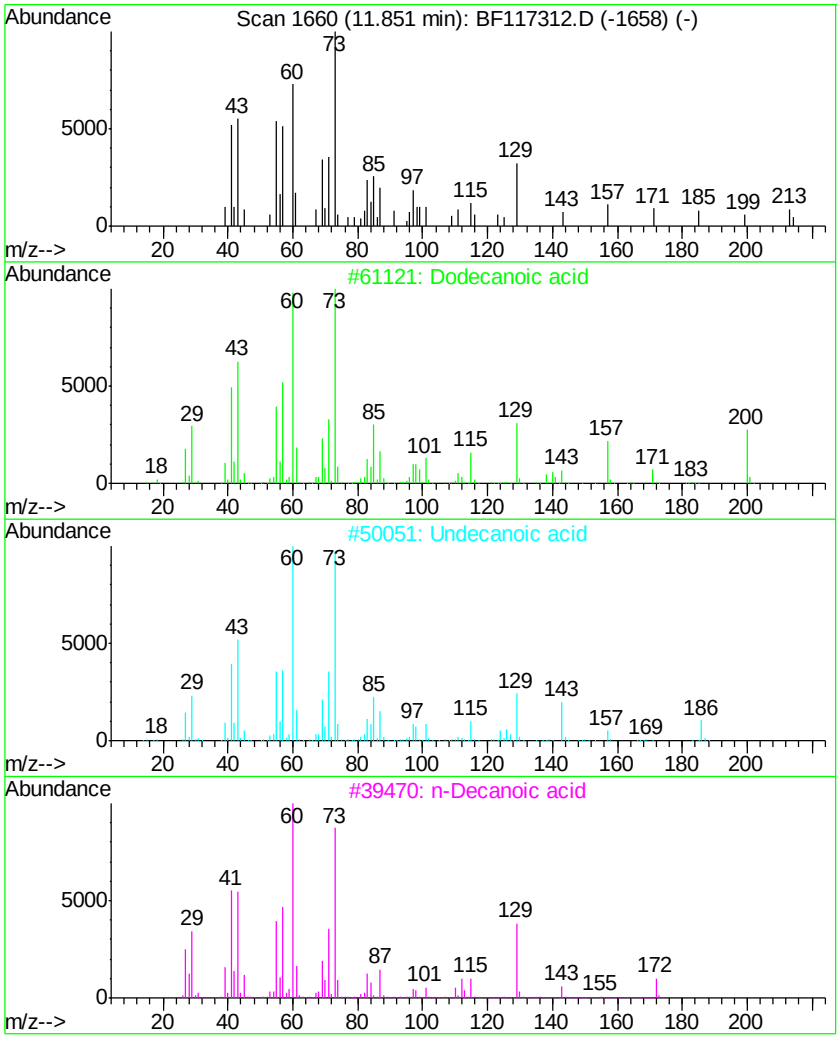
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

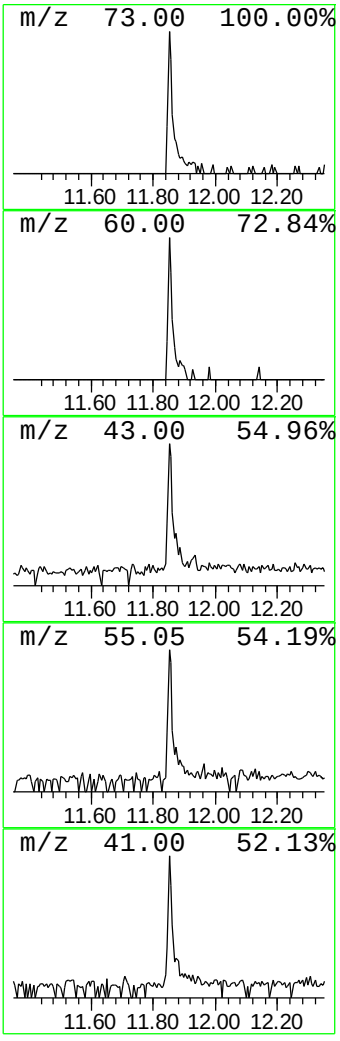
****

Peak Number 3 Dodecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.85	7.77 ng	74211	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecanoic acid	200	C12H24O2	000143-07-7	59
2	Undecanoic acid	186	C11H22O2	000112-37-8	47
3	n-Decanoic acid	172	C10H20O2	000334-48-5	38
4	.beta.-D-Mannofuranoside, 1-O-(1...	332	C17H32O6	1000155-29-9	27
5	Tridecanoic acid	214	C13H26O2	000638-53-9	10





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100219\
Data File : BF117312.D
Acq On : 2 Oct 2019 20:56
Operator : JU
Sample : K4660-03
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-1-GROUNDWATER

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091319.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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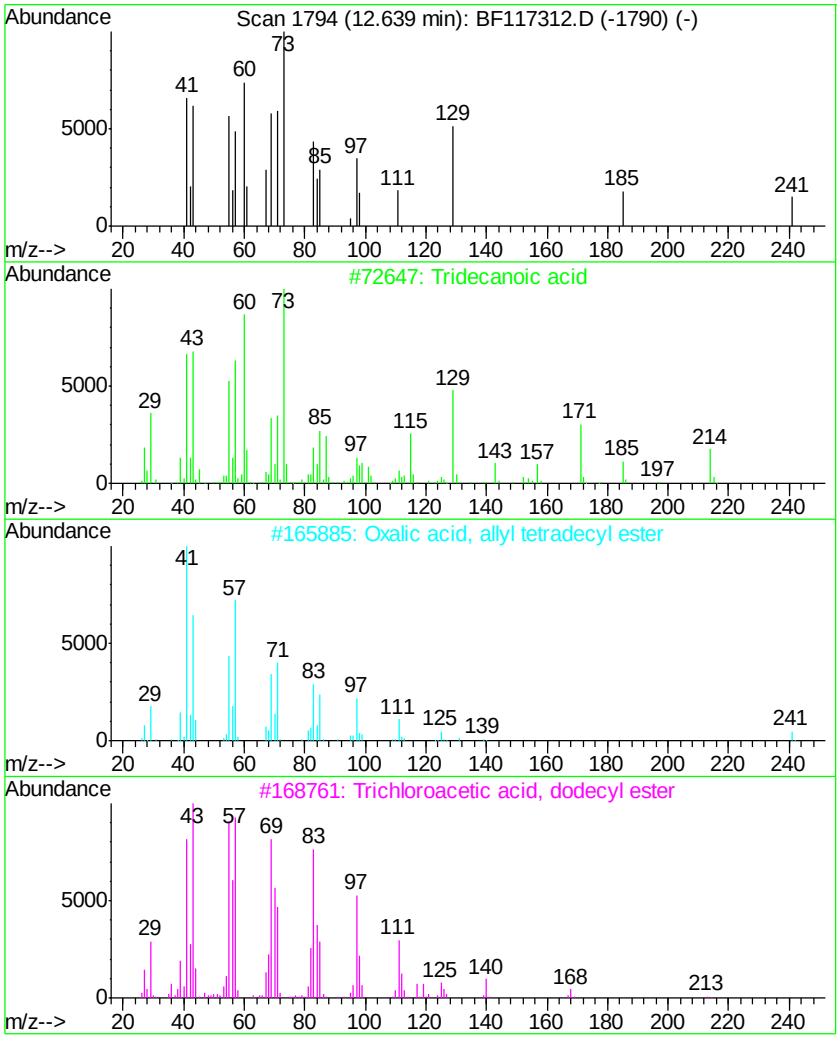
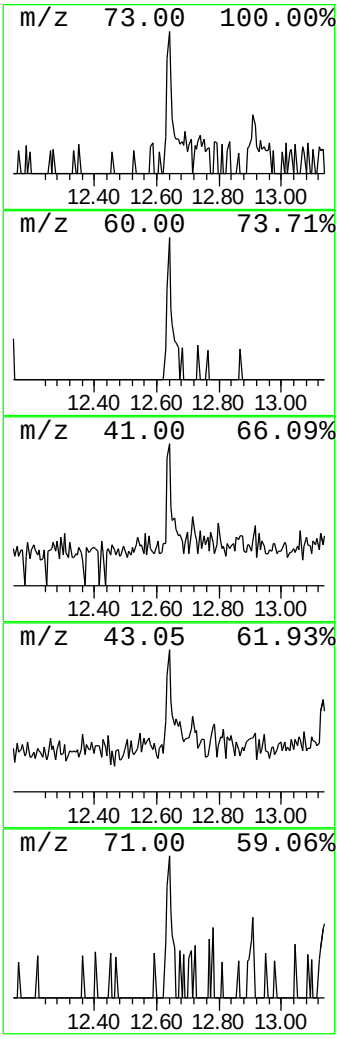
Peak Number 4 Tridecanoic acid Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.64	2.21 ng	21048	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecanoic acid	214	C13H26O2	000638-53-9	53
2	Oxalic acid, allyl tetradecyl ester	326	C19H34O4	1000309-24-2	27
3	Trichloroacetic acid, dodecyl ester	330	C14H25Cl3O2	074339-50-7	25
4	Butyric acid, 2-tridecyl ester	270	C17H34O2	055193-07-2	22
5	Dichloroacetic acid, dodecyl ester	296	C14H26Cl2O2	083005-01-0	22





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100219\
Data File : BF117312.D
Acq On : 2 Oct 2019 20:56
Operator : JU
Sample : K4660-03
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-1-GROUNDWATER

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

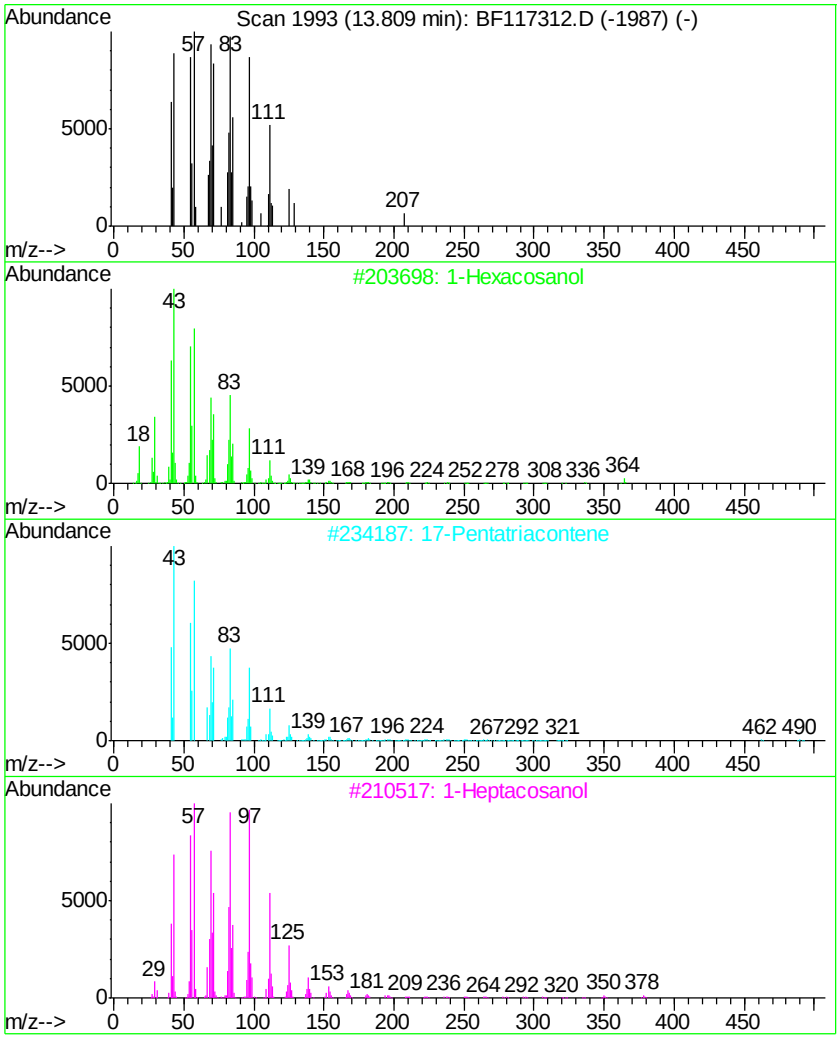
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

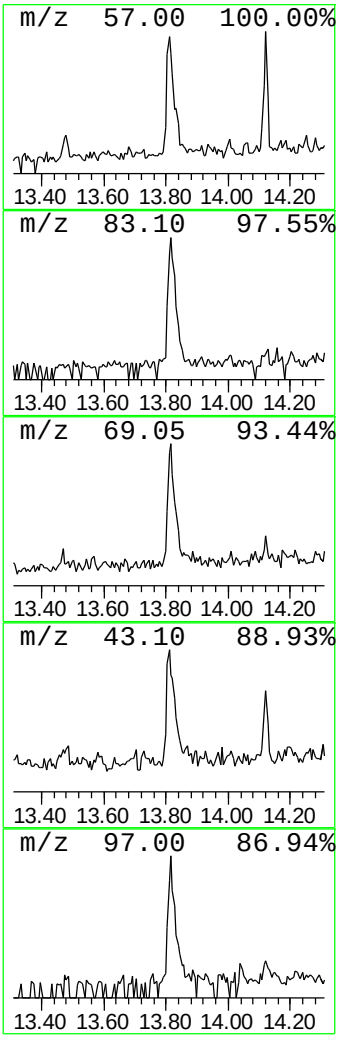
****

Peak Number 5 1-Hexacosanol Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.81	9.70 ng	78656	Chrysene-d12	13.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexacosanol	382	C26H54O	000506-52-5	91
2	17-Pentatriacontene	491	C35H70	006971-40-0	91
3	1-Heptacosanol	396	C27H56O	002004-39-9	87
4	n-Tetracosanol-1	354	C24H50O	000506-51-4	83
5	n-Heptadecanol-1	256	C17H36O	001454-85-9	81





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100219\
Data File : BF117312.D
Acq On : 2 Oct 2019 20:56
Operator : JU
Sample : K4660-03
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-1-GROUNDWATER

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

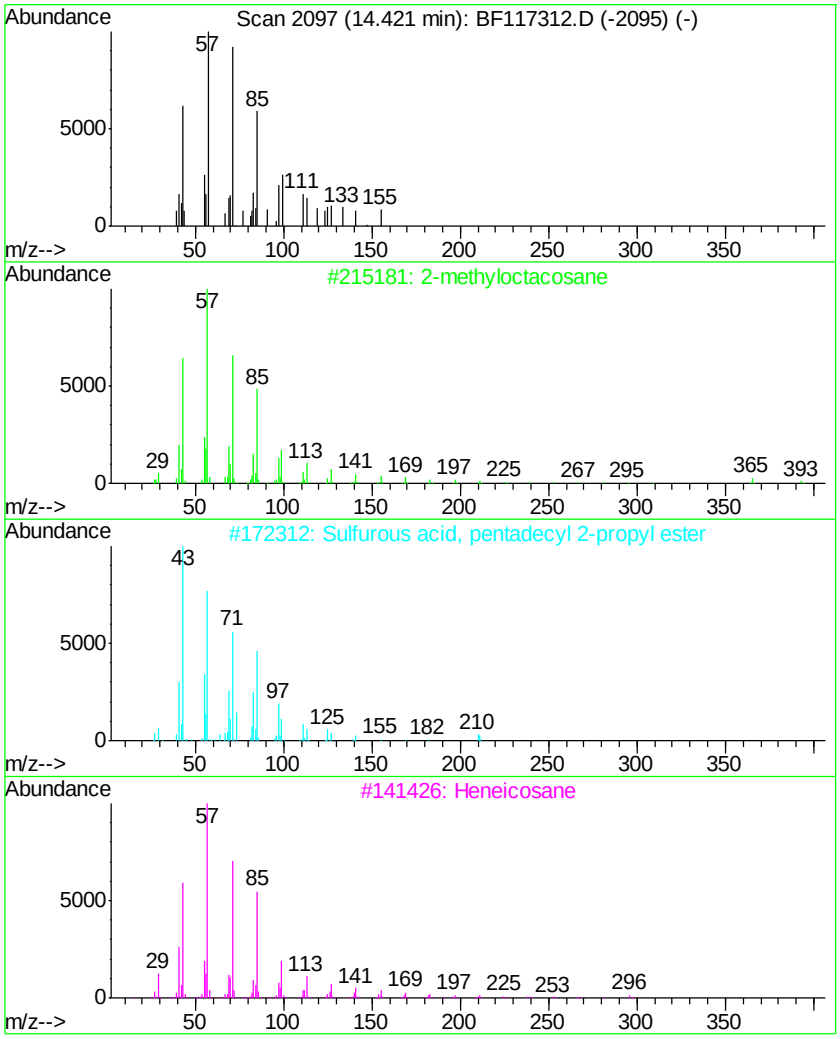
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

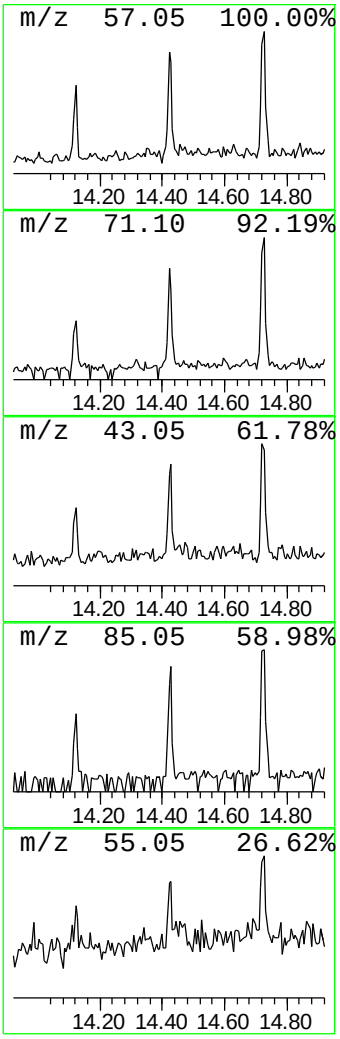
****

Peak Number 6 2-methyloctacosane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.42	2.99 ng	24212	Chrysene-d12	13.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-methyloctacosane	408	C29H60	1000376-72-8	72
2	Sulfurous acid, pentadecyl 2-pro...	334	C18H38O3S	1000309-12-6	64
3	Heneicosane	296	C21H44	000629-94-7	64
4	Undecane, 3,9-dimethyl-	184	C13H28	017301-31-4	59
5	Heptadecane	240	C17H36	000629-78-7	59





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100219\
Data File : BF117312.D
Acq On : 2 Oct 2019 20:56
Operator : JU
Sample : K4660-03
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-1-GROUNDWATER

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

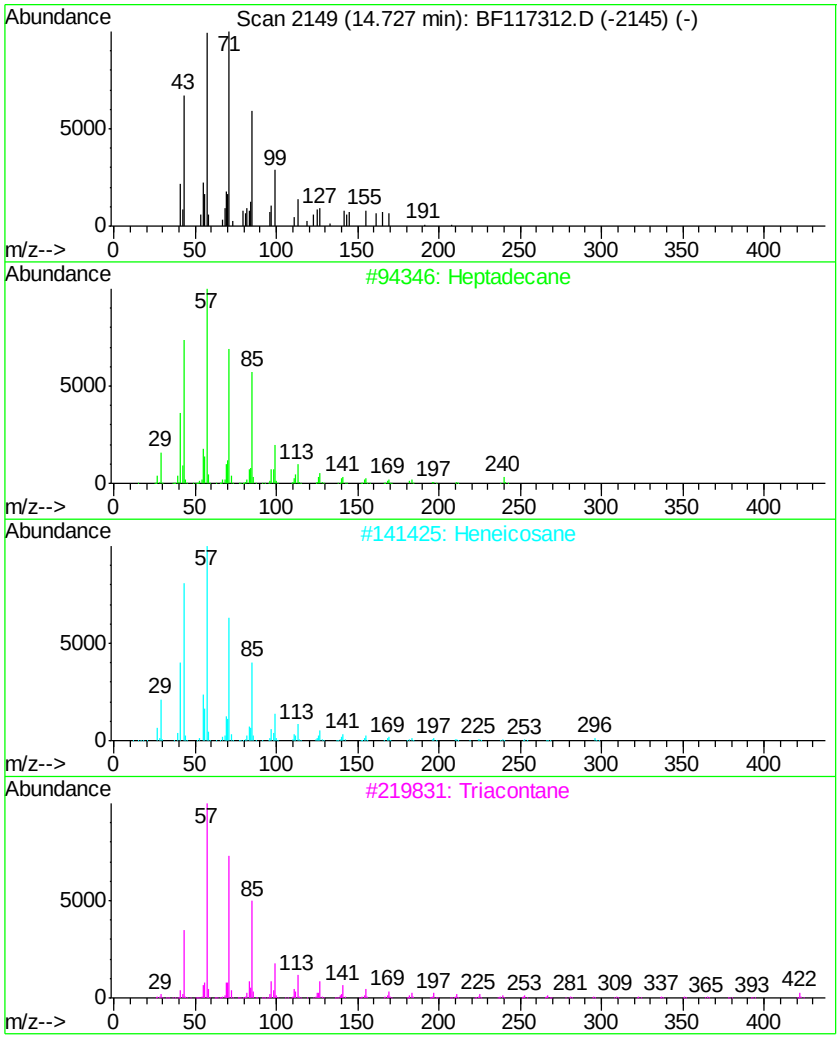
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

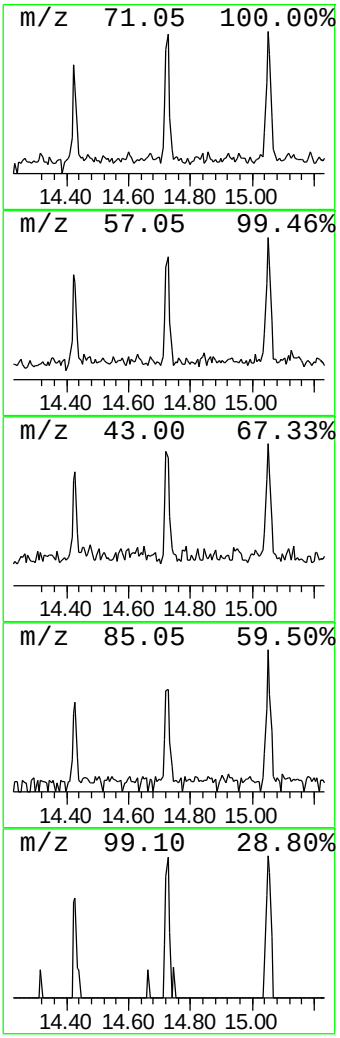
****

Peak Number 7 Heptadecane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.73	4.12 ng	35999	Perylene-d12	15.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	90
2	Heneicosane	296	C21H44	000629-94-7	90
3	Triacontane	422	C30H62	000638-68-6	78
4	Tridecane	184	C13H28	000629-50-5	72
5	Undecane, 3,5-dimethyl-	184	C13H28	017312-81-1	72





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100219\
Data File : BF117312.D
Acq On : 2 Oct 2019 20:56
Operator : JU
Sample : K4660-03
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-1-GROUNDWATER

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091319.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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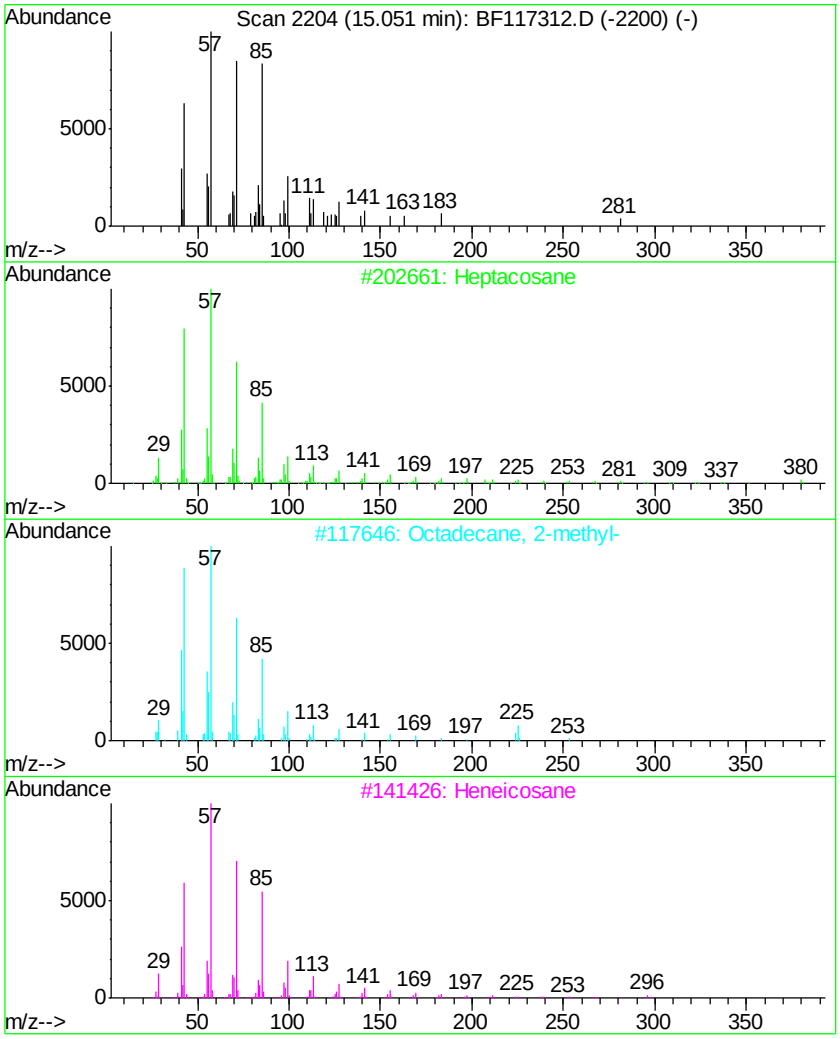
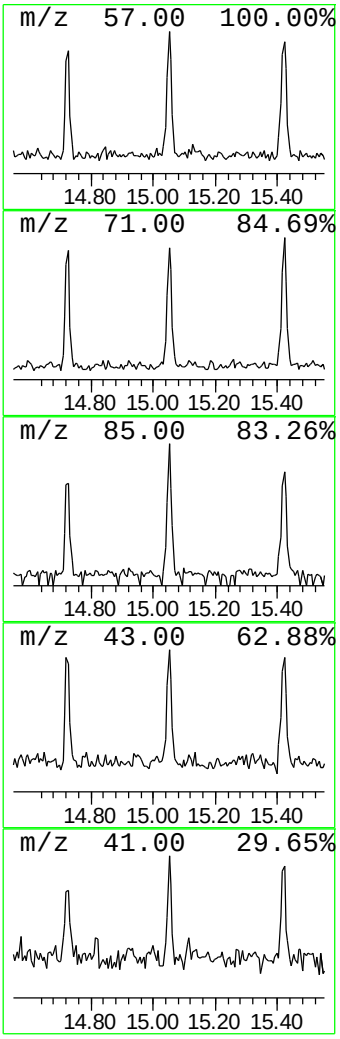
Peak Number 8 Heptacosane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.05	5.01 ng	43751	Perylene-d12	15.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptacosane	380	C27H56	000593-49-7	91
2	Octadecane, 2-methyl-	268	C19H40	001560-88-9	90
3	Heneicosane	296	C21H44	000629-94-7	87
4	10-Methylnonadecane	282	C20H42	056862-62-5	86
5	Sulfurous acid, butyl tetradecyl...	334	C18H38O3S	1000309-18-1	80





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Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-1-GROUNDWATER

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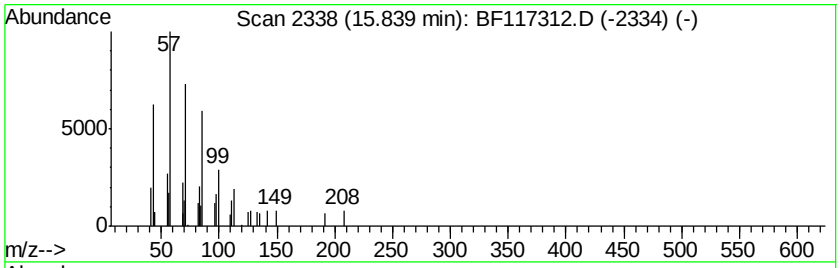
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

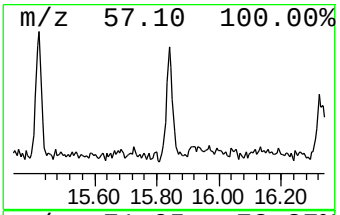
****

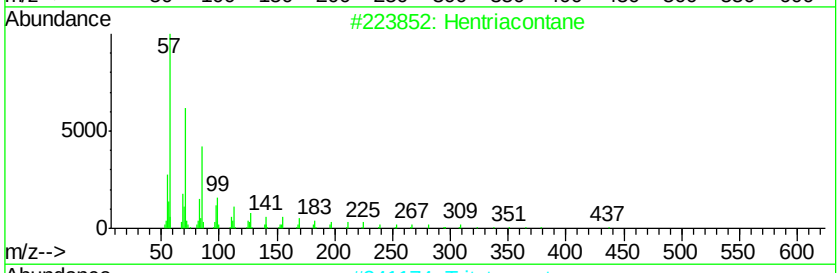
Peak Number 9 Hentriacontane Concentration Rank 6

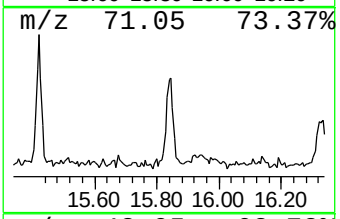
R.T.	EstConc	Area	Relative to ISTD	R.T.
15.84	4.90 ng	42796	Perylene-d12	15.43

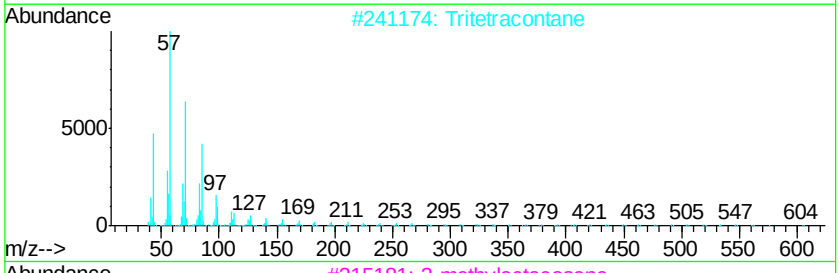
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hentriacontane	437	C31H64	000630-04-6	80
2	Tritetracontane	605	C43H88	007098-21-7	72
3	2-methyloctacosane	408	C29H60	1000376-72-8	72
4	Heneicosane	296	C21H44	000629-94-7	72
5	10-Methylnonadecane	282	C20H42	056862-62-5	64

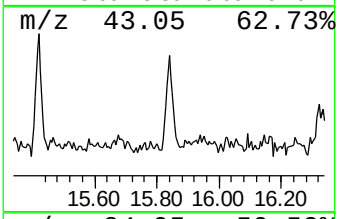


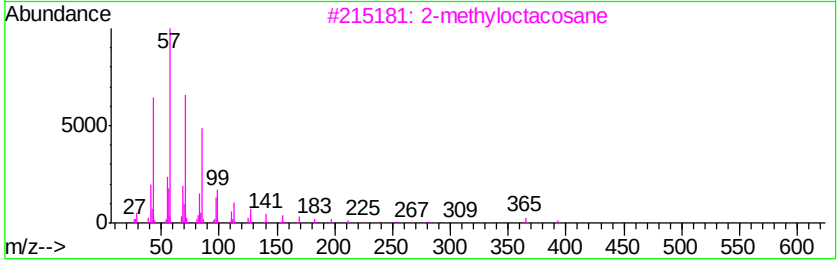


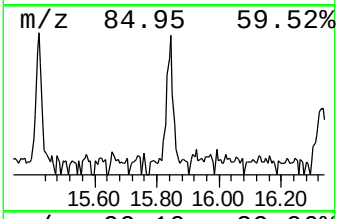


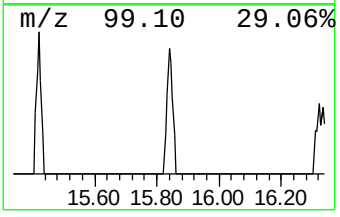












Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100219\
Data File : BF117312.D
Acq On : 2 Oct 2019 20:56
Operator : JU
Sample : K4660-03
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-1-GROUNDWATER

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091319.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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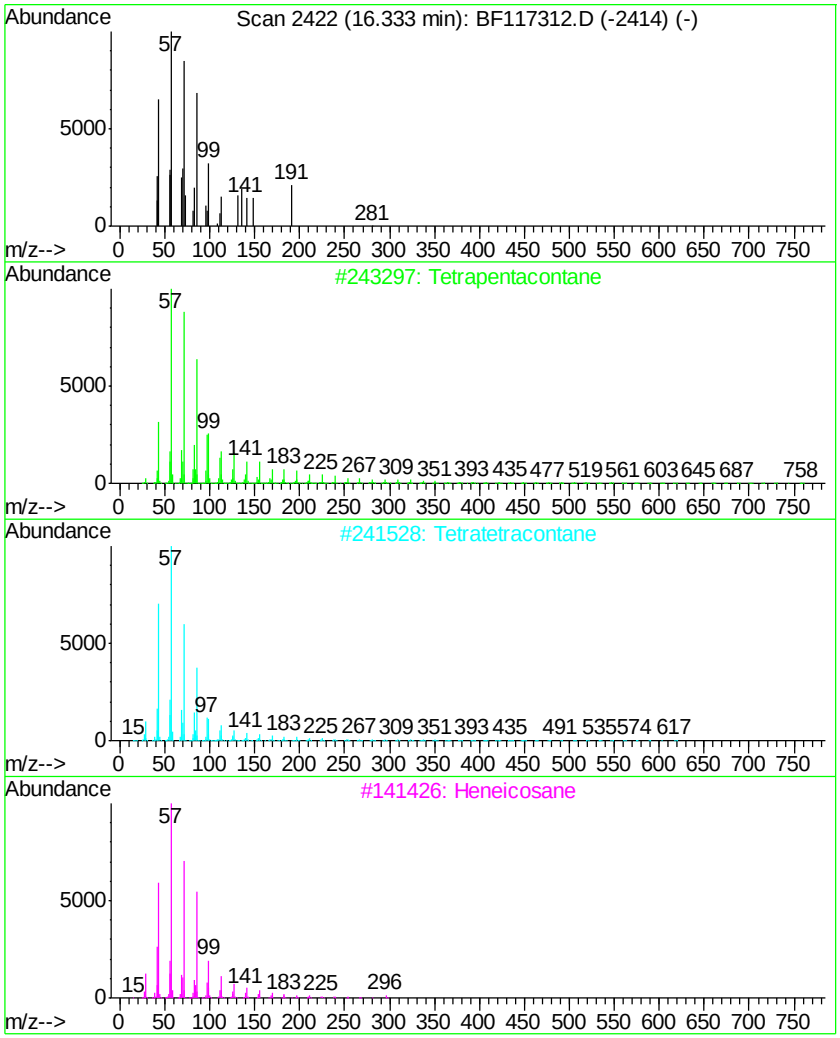
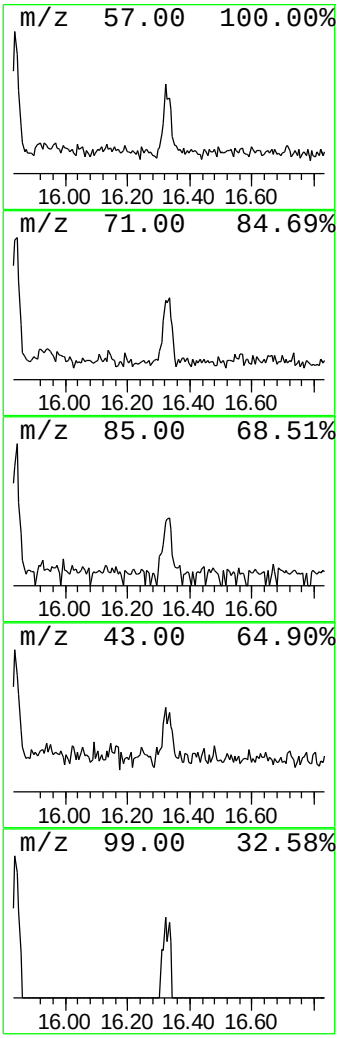
Peak Number 10 Tetrapentacontane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.33	3.31 ng	28968	Perylene-d12	15.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetrapentacontane	759	C54H110	005856-66-6	72
2	Tetratetracontane	619	C44H90	007098-22-8	64
3	Heneicosane	296	C21H44	000629-94-7	53
4	Octacosane	394	C28H58	000630-02-4	53
5	Eicosane, 10-methyl-	296	C21H44	054833-23-7	50





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF100219\
Data File : BF117312.D
Acq On : 2 Oct 2019 20:56
Operator : JU
Sample : K4660-03
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-1-GROUNDWATER

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091319.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
unknown6.58	6.58	105.1	ng	623907	1	6.80	118678	20.0
Dodecanoic acid	11.85	7.8	ng	74211	4	11.33	190905	20.0
Tridecanoic acid	12.64	2.2	ng	21048	4	11.33	190905	20.0
1-Hexacosanol	13.81	9.7	ng	78656	5	13.97	162143	20.0
2-methyloctacosane	14.42	3.0	ng	24212	5	13.97	162143	20.0
Heptadecane	14.73	4.1	ng	35999	6	15.43	174823	20.0
Heptacosane	15.05	5.0	ng	43751	6	15.43	174823	20.0
Hentriacontane	15.84	4.9	ng	42796	6	15.43	174823	20.0
Tetrapentacontane	16.33	3.3	ng	28968	6	15.43	174823	20.0