LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051619\
Data File : BF114308.D
Acq On : 16 May 2019 14:55
Operator : JU/SJ
Sample : K2852-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-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-BF051019.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	2.922	135	142	149	rBV	66479	116946	2.36%	0.259%
2	4.440	396	400	406	rBV	57912	70309	1.42%	0.156%
3	5.051	501	504	513	rVB	250768	294966	5.96%	0.653%
4	5.481	573	577	595	rBV	1819094	1908809	38.55%	4.224%
5	6.492	746	749	763	rVB	1244495	1338560	27.03%	2.962%
6	6.622	767	771	779	rBV	3270822	3090424	62.41%	6.839%
7	6.845	806	809	813	rBV	1307171	1115748	22.53%	2.469%
8	7.004	832	836	840	rBV	3902523	3266253	65.96%	7.228%
9	7.410	900	905	908	rBV	3353371	3038094	61.35%	6.723%
10	8.128	1024	1027	1041	rBV	1513063	1420628	28.69%	3.144%
11	9.204	1205	1210	1213	rBV	5645092	4952028	100.00%	10.958%
12	9.598	1274	1277	1280	rBV	473957	431304	8.71%	0.954%
13	9.810	1309	1313	1322	rBV6	34028	89824	1.81%	0.199%
14	9.886	1322	1326	1329	rBV	1698294	1587688	32.06%	3.513%
15	10.086	1355	1360	1365	rBV2	72678	95562	1.93%	0.211%
16	10.257	1386	1389	1392	rBV	66265	61821	1.25%	0.137%
17	10.675	1456	1460	1471	rBV	2668571	2498430	50.45%	5.529%
18	11.369	1574	1578	1582	rBV	1836084	1731763	34.97%	3.832%
19	11.898	1662	1668	1676	rBV	1071135	1259186	25.43%	2.786%
20	12.586	1782	1785	1790	rBV2	61493	103332	2.09%	0.229%
21	12.680	1797	1801	1812	rBV	529035	643244	12.99%	1.423%
22	12.951	1843	1847	1851	rBV	4399916	4212564	85.07%	9.322%
23	13.516	1938	1943	1946	rBV2	92194	112065	2.26%	0.248%
24	13.810	1990	1993	1996	rBV	87025	72121	1.46%	0.160%
25	13.851	1996	2000	2008	rBV	277040	371122	7.49%	0.821%
26	14.015	2024	2028	2037	rVB	1322227	1342907	27.12%	2.972%
27	14.168	2051	2054	2062	rVB	471709	467442	9.44%	1.034%
28	14.486	2103	2108	2112	rBV	964362	931887	18.82%	2.062%
29	14.792	2156	2160	2167	rVB	1410646	1469410	29.67%	3.252%
30	15.133	2213	2218	2226	rVB	1593754	1821289	36.78%	4.030%
31	15.510	2276	2282	2292	rVB2	2038318	2900176	58.57%	6.418%
32	15.945	2350	2356	2362	rBV	928527	1336300	26.98%	2.957%
33	16.451	2435	2442	2449	rBV	413488	765655	15.46%	1.694%
34	17.039	2537	2542	2549	rVB	132760	271970	5.49%	0.602%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051619\
Data File : BF114308.D
Acq On : 16 May 2019 14:55
Operator : JU/SJ
Sample : K2852-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-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-BF051019.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Sum of corrected areas: 45189827

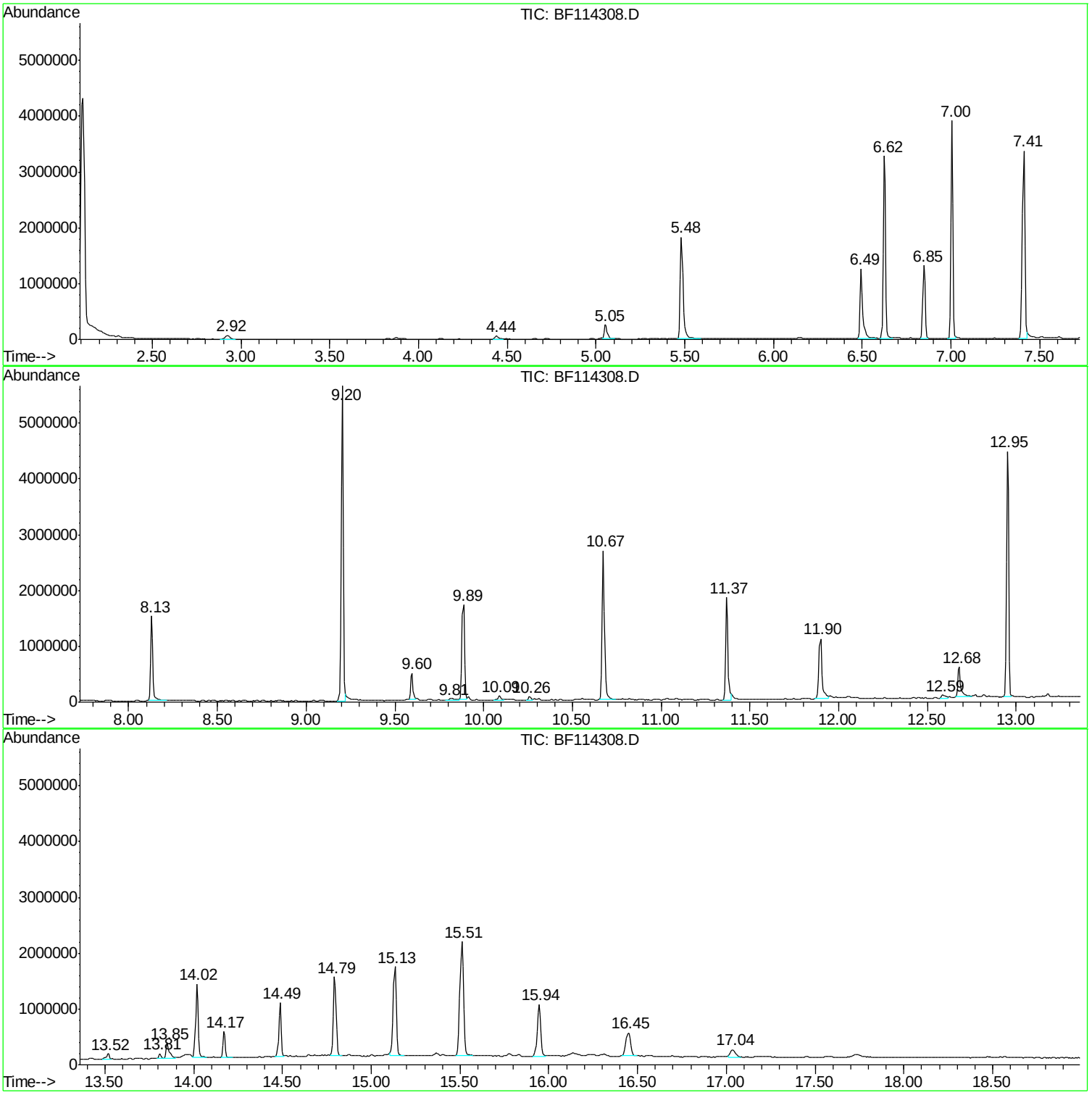
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051619\
Data File : BF114308.D
Acq On : 16 May 2019 14:55
Operator : JU/SJ
Sample : K2852-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-GROUNDWATER

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.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\BF051619\
Data File : BF114308.D
Acq On : 16 May 2019 14:55
Operator : JU/SJ
Sample : K2852-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-GROUNDWATER

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

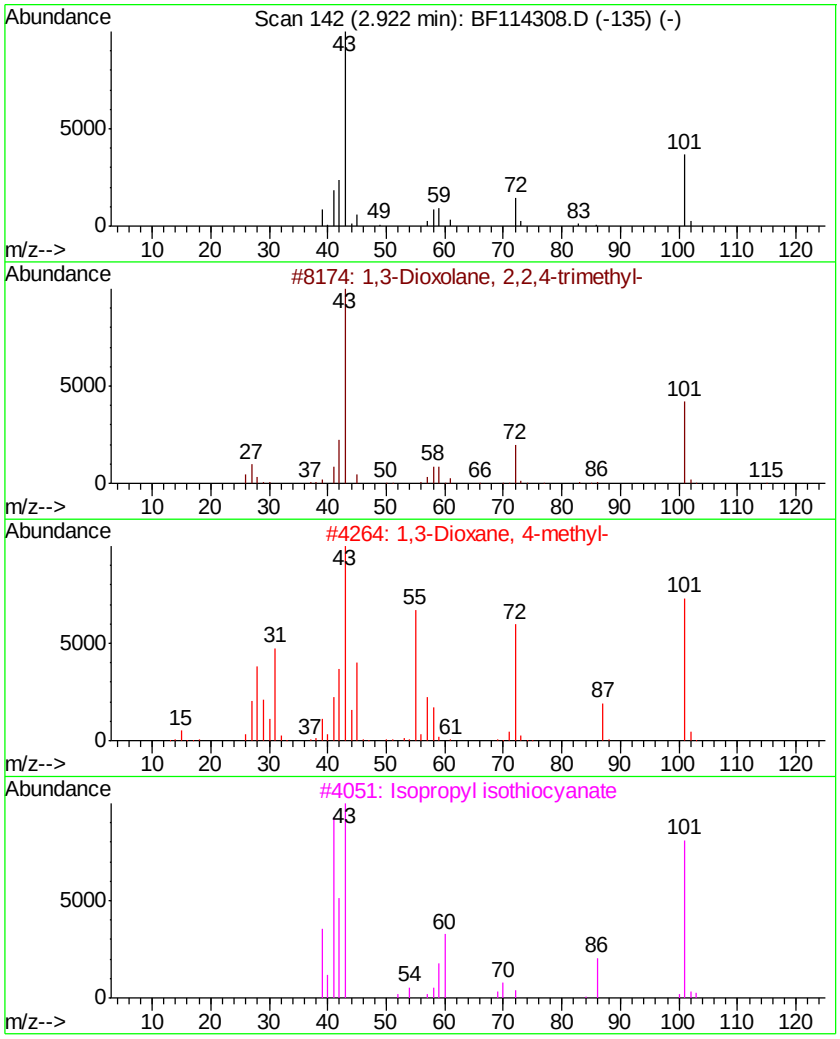
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

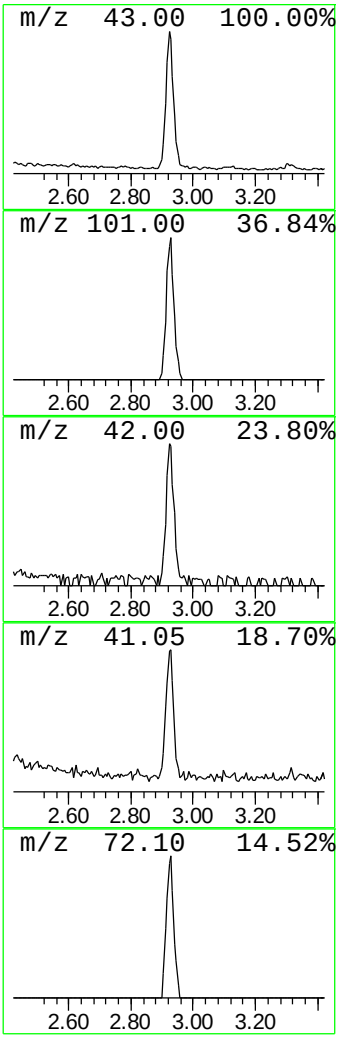
****

Peak Number 1 1,3-Dioxolane, 2,2,4-trimet... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.92	2.10 ng	116946	1,4-Dichlorobenzene-d4	6.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Dioxolane, 2,2,4-trimethyl-	116	C6H12O2	001193-11-9	72
2	1,3-Dioxane, 4-methyl-	102	C5H10O2	001120-97-4	38
3	Isopropyl isothiocyanate	101	C4H7NS	002253-73-8	9
4	Propanal, 2-methyl-	72	C4H8O	000078-84-2	9
5	(+-)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051619\
Data File : BF114308.D
Acq On : 16 May 2019 14:55
Operator : JU/SJ
Sample : K2852-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-GROUNDWATER

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

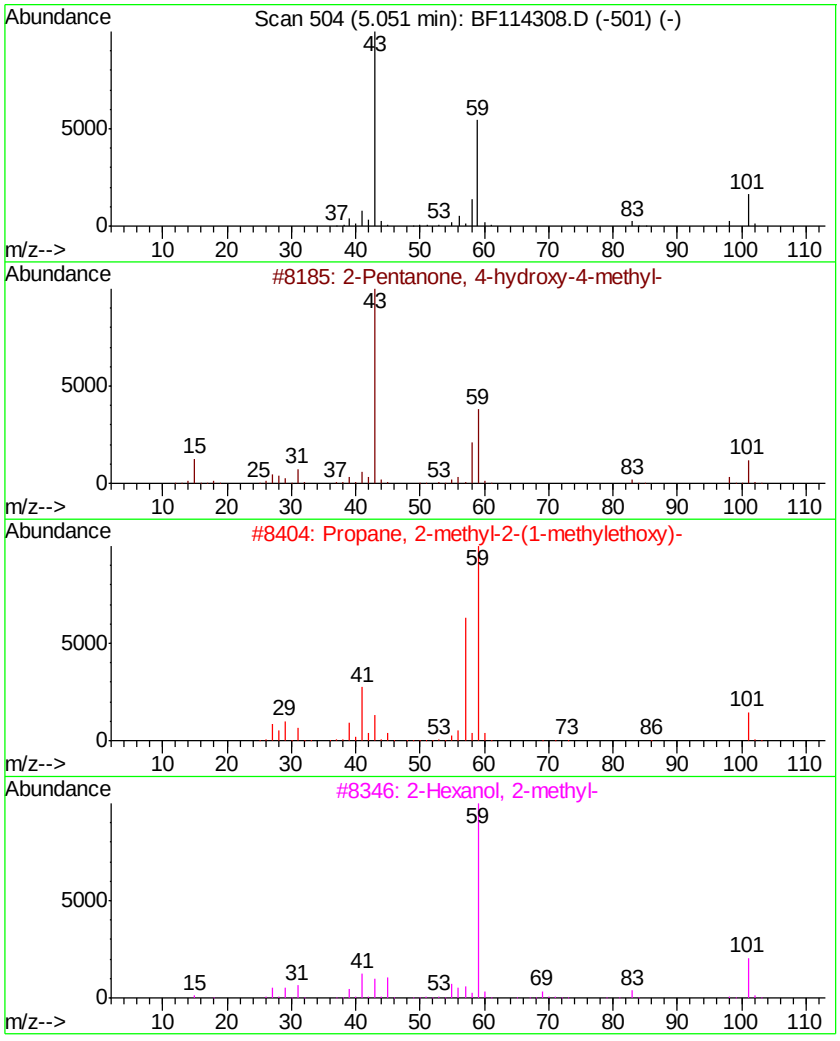
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

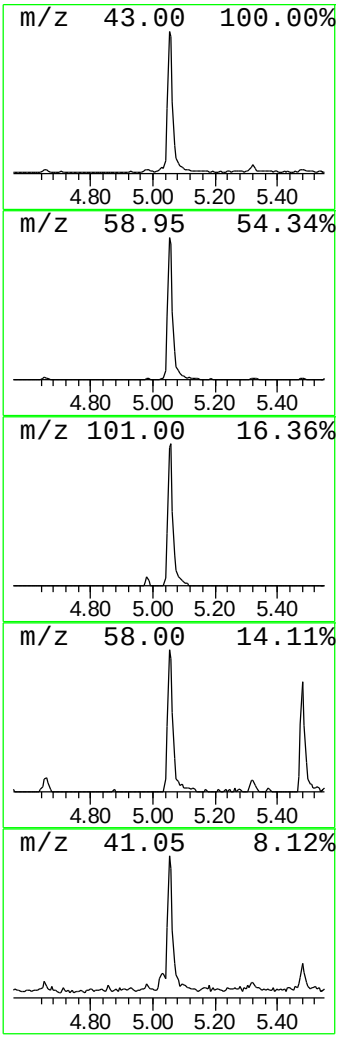
****

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.05	5.29 ng	294966	1,4-Dichlorobenzene-d4	6.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	53
2	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	53
3	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	28
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	27
5	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051619\
Data File : BF114308.D
Acq On : 16 May 2019 14:55
Operator : JU/SJ
Sample : K2852-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-GROUNDWATER

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

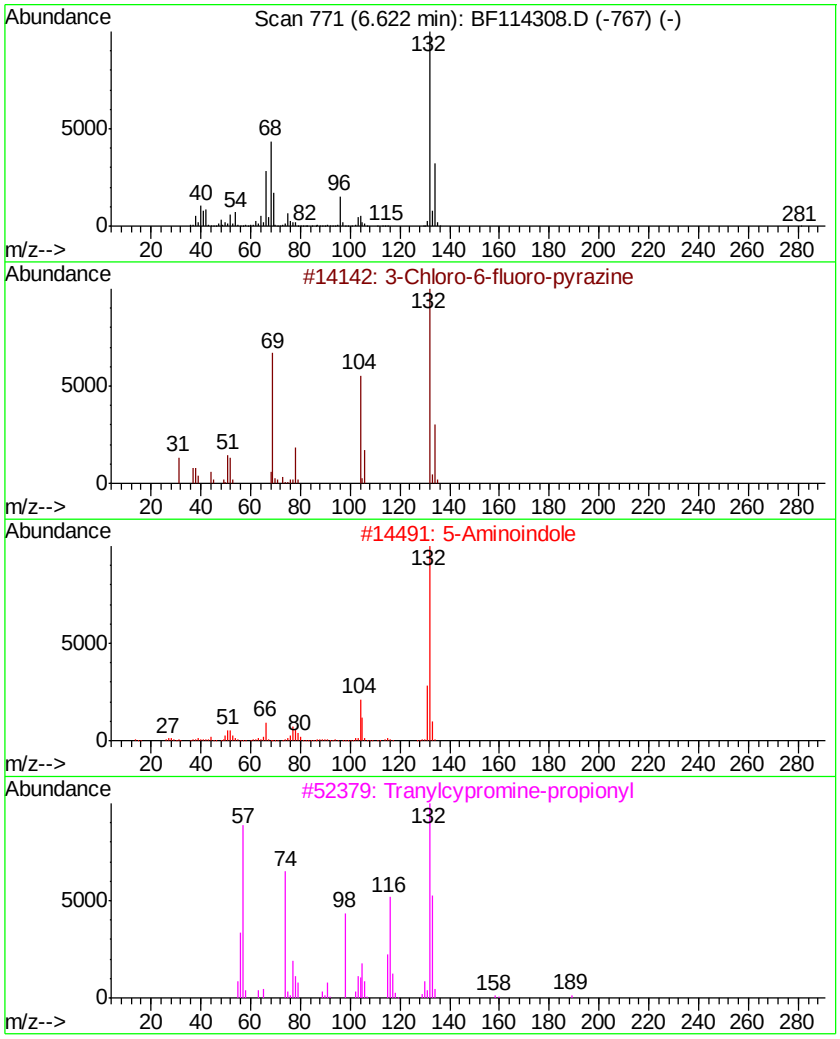
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

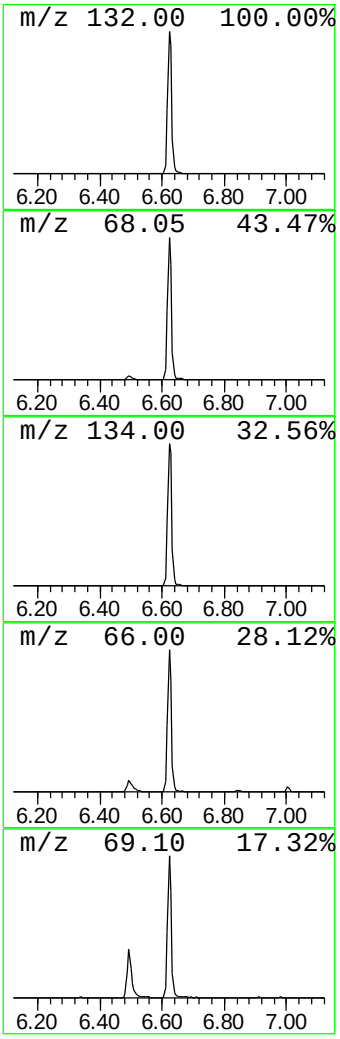
****

Peak Number 3 unknown6.62 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.62	55.40 ng	3090420	1,4-Dichlorobenzene-d4	6.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	5-Aminoindole	132	C8H8N2	005192-03-0	12
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4	1,2,4-Trifluorobenzene	132	C6H3F3	000367-23-7	9
5	1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051619\
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Acq On : 16 May 2019 14:55
Operator : JU/SJ
Sample : K2852-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-GROUNDWATER

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

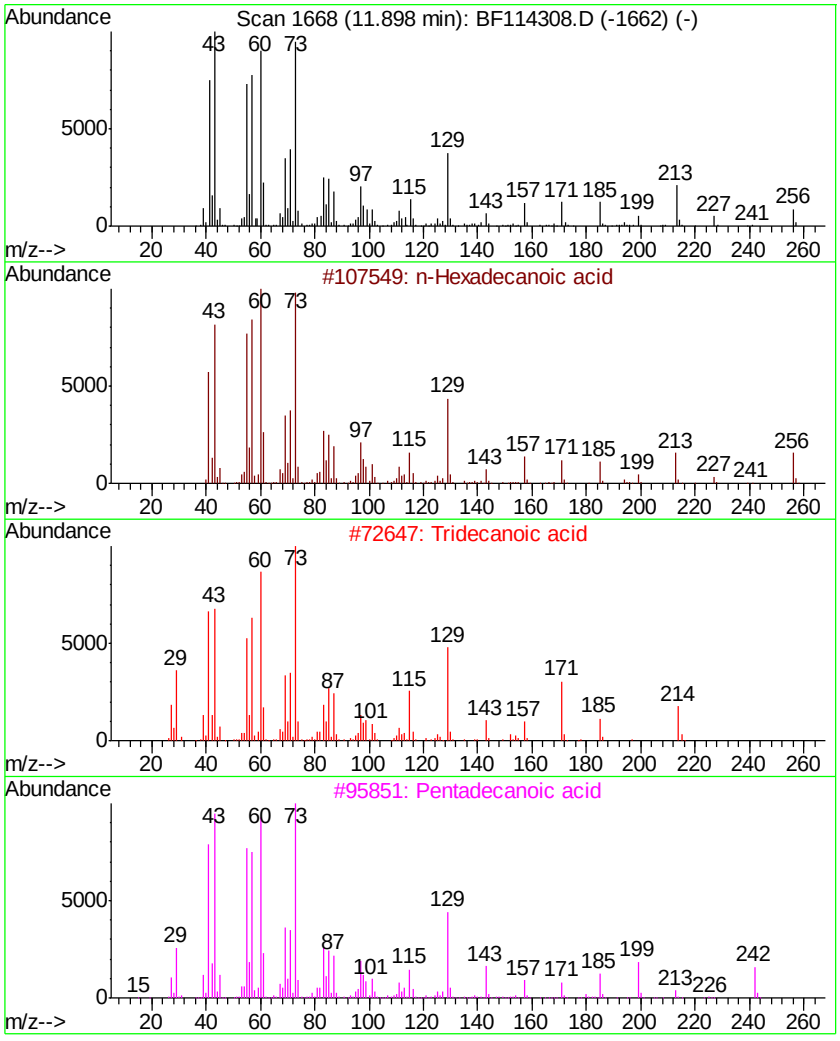
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

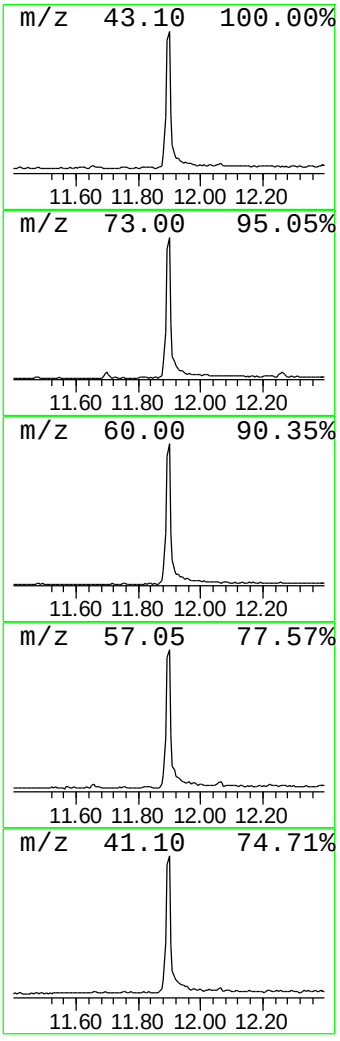
****

Peak Number 5 n-Hexadecanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.90	14.54 ng	1259190	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
2	Tridecanoic acid	214	C13H26O2	000638-53-9	93
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	93
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	72
5	Undecanoic acid	186	C11H22O2	000112-37-8	68





Library Search Compound Report

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Sample : K2852-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-GROUNDWATER

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

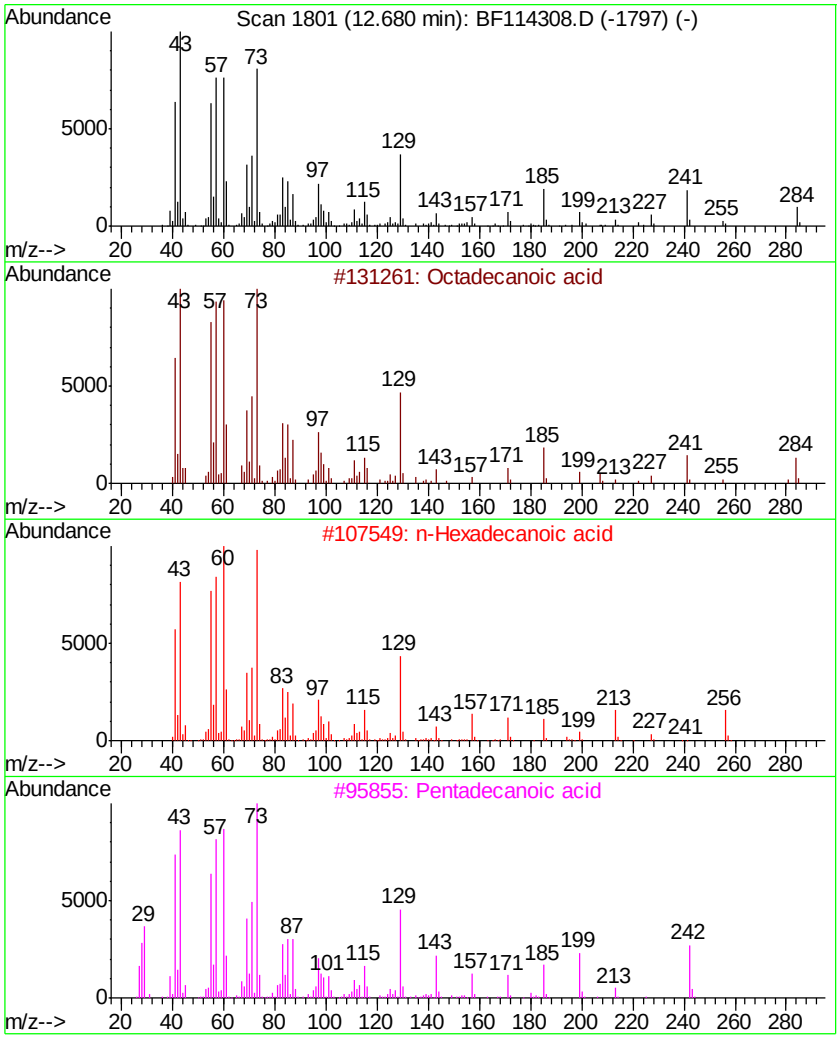
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

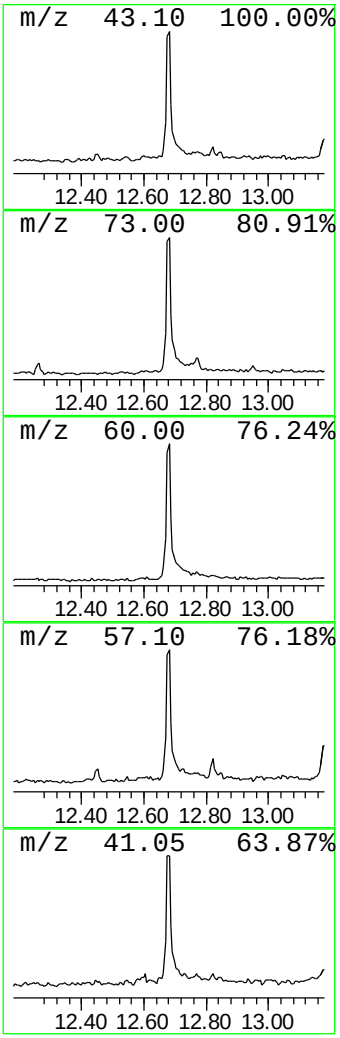
****

Peak Number 6 Octadecanoic acid Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.68	7.43 ng	643244	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	94
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	90
4	Octadecanoic acid, 2-(2-hydroxye...	372	C22H44O4	000106-11-6	86
5	Tetradecanoic acid	228	C14H28O2	000544-63-8	81





Library Search Compound Report

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Sample : K2852-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-GROUNDWATER

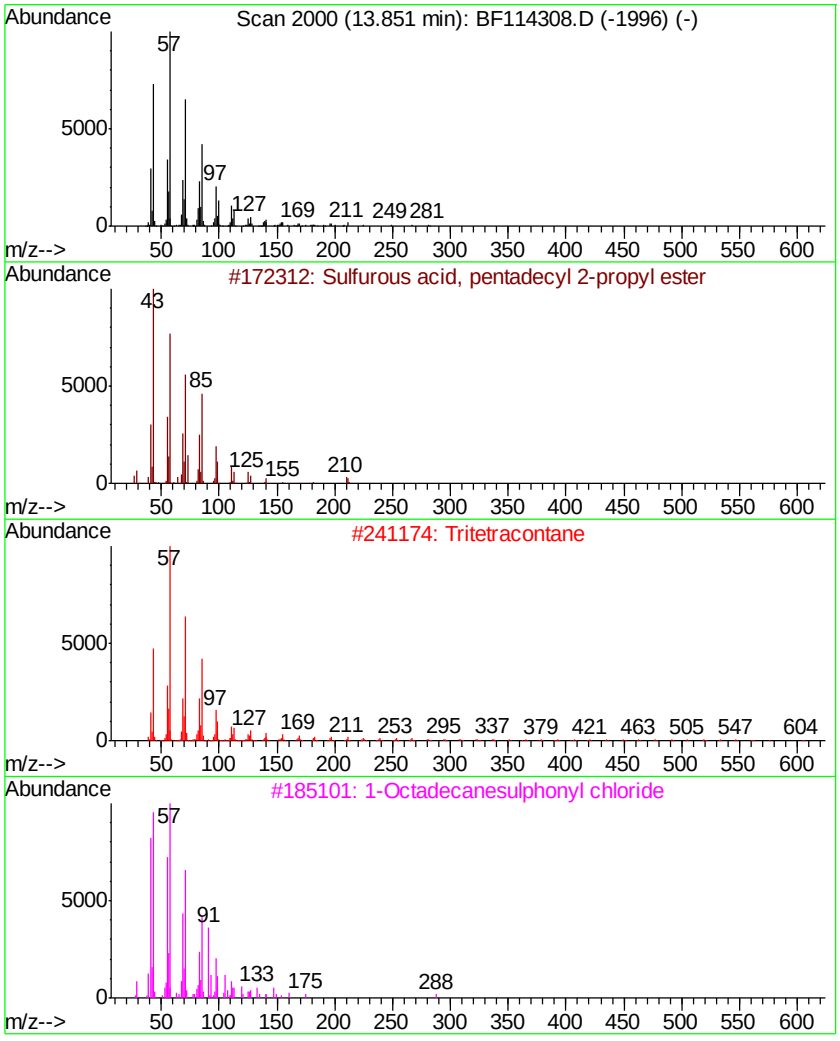
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

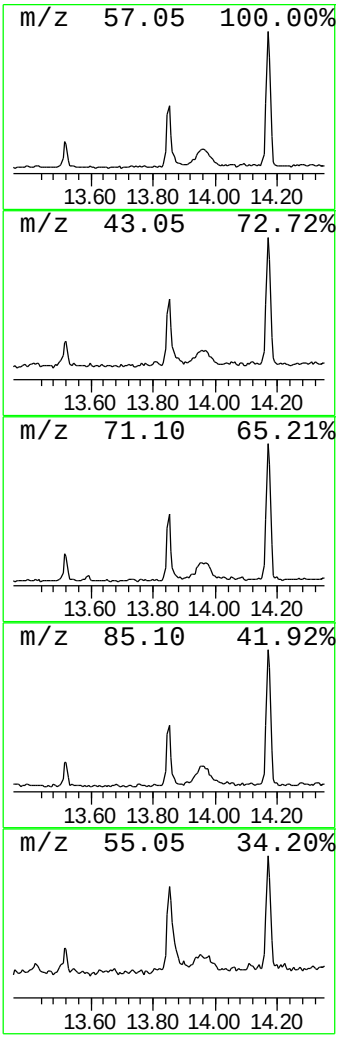
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Sulfurous acid, pentadecyl ... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.85	5.53 ng	371122	Chrysene-d12	14.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfurous acid, pentadecyl 2-pro...	334	C18H38O3S	1000309-12-6	91
2	Tritetracontane	605	C43H88	007098-21-7	91
3	1-Octadecanesulphonyl chloride	352	C18H37ClO2S	1000342-70-4	91
4	Tetratetracontane	619	C44H90	007098-22-8	87
5	Octadecane, 1-chloro-	288	C18H37Cl	003386-33-2	86





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Data File : BF114308.D
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Sample : K2852-01
Misc :
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Instrument : BNA_F
ClientSampleId : TP-GROUNDWATER

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

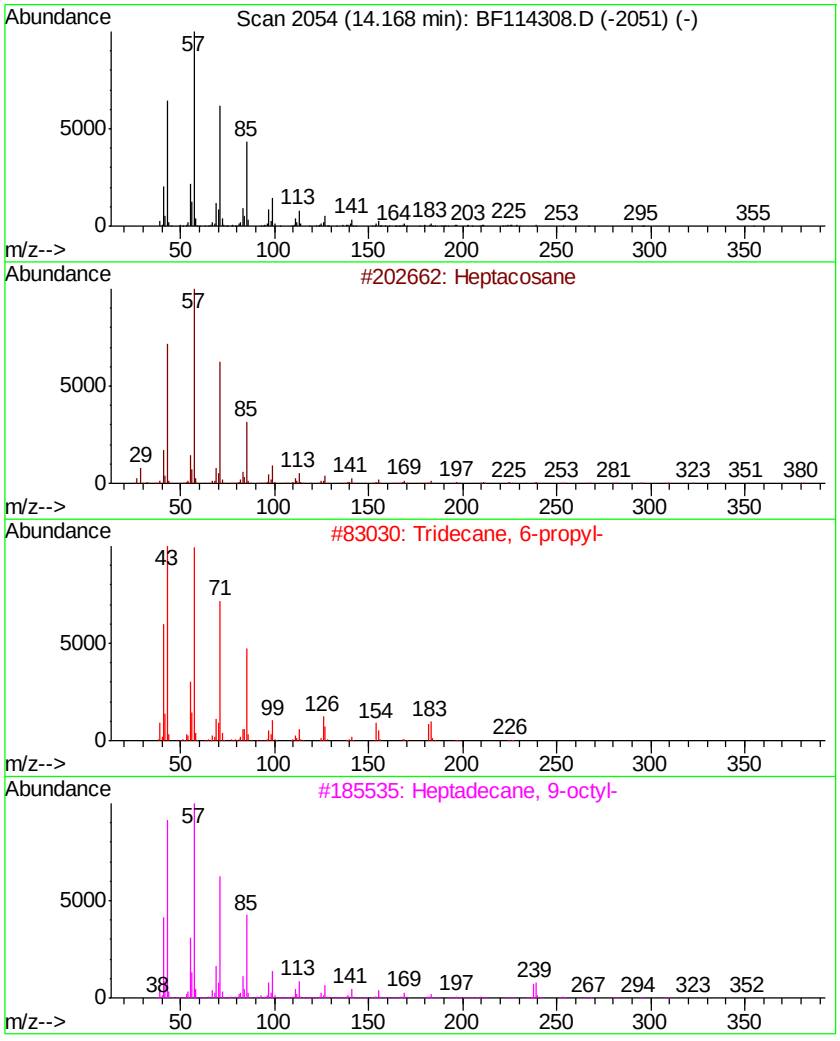
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

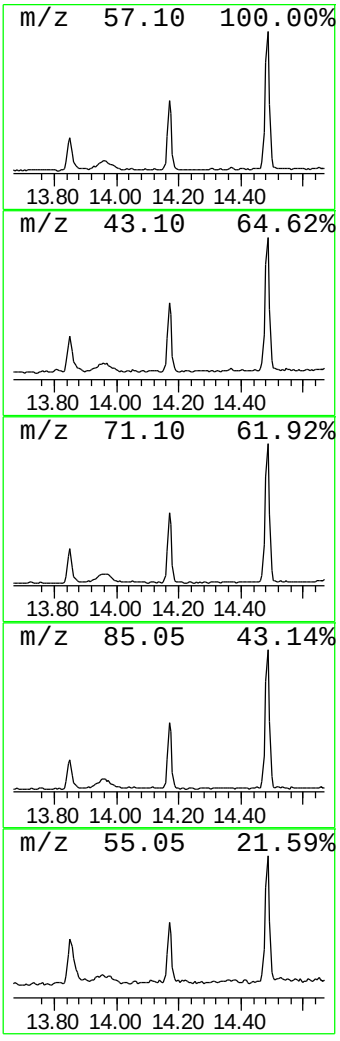
****

Peak Number 8 Heptacosane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.17	6.96 ng	467442	Chrysene-d12	14.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptacosane	380	C27H56	000593-49-7	91
2	Tridecane, 6-propyl-	226	C16H34	055045-10-8	91
3	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	91
4	Pentacosane	352	C25H52	000629-99-2	90
5	Eicosane, 10-methyl-	296	C21H44	054833-23-7	90





Library Search Compound Report

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Misc :
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Instrument :
BNA_F
ClientSampleId :
TP-GROUNDWATER

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

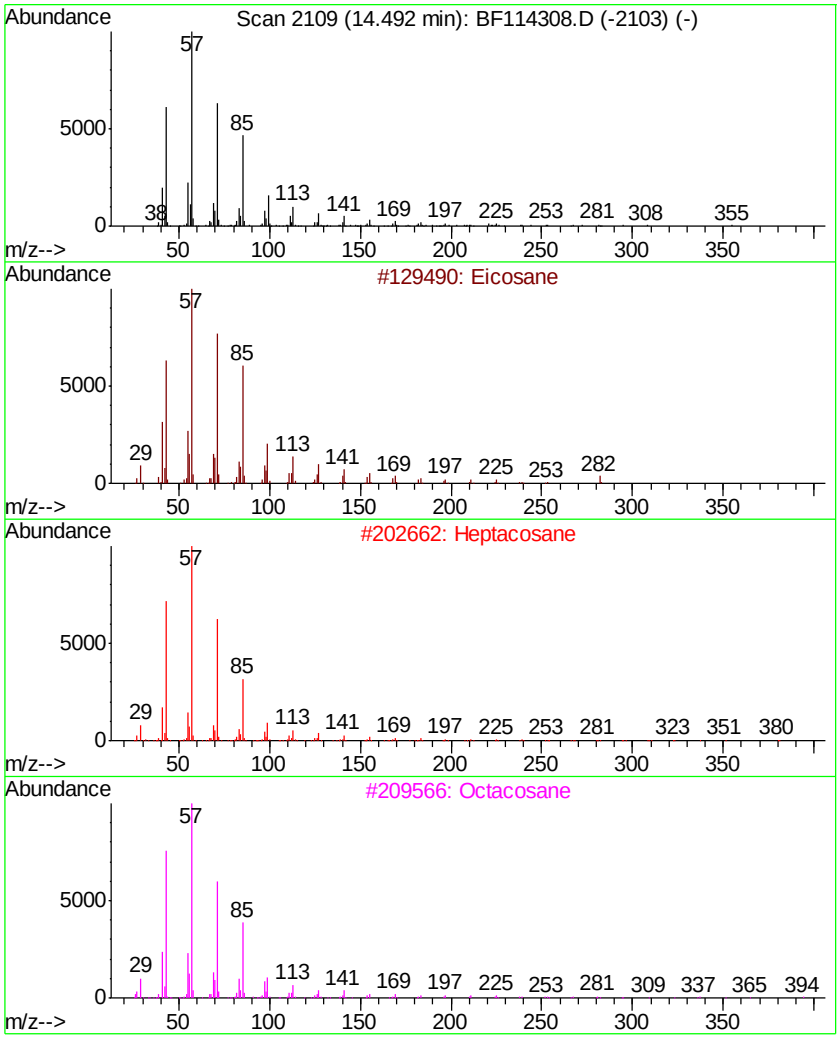
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

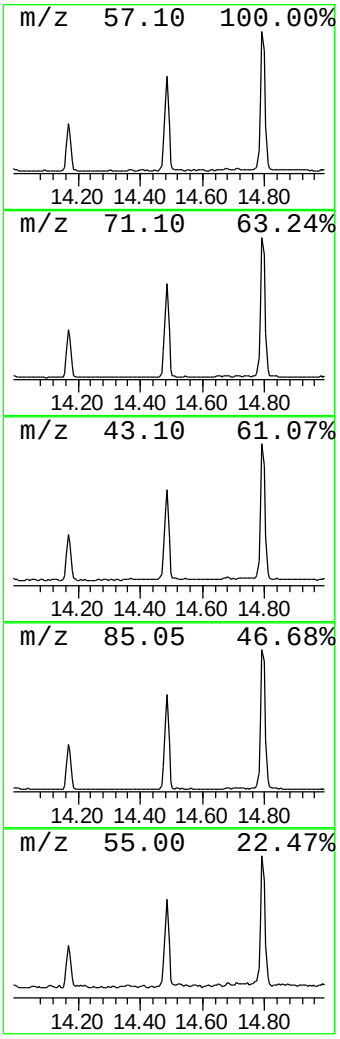
****

Peak Number 9 Eicosane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.49	13.88 ng	931887	Chrysene-d12	14.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	95
2	Heptacosane	380	C27H56	000593-49-7	91
3	Octacosane	394	C28H58	000630-02-4	91
4	Heneicosane	296	C21H44	000629-94-7	90
5	Triacontane	422	C30H62	000638-68-6	90





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051619\
Data File : BF114308.D
Acq On : 16 May 2019 14:55
Operator : JU/SJ
Sample : K2852-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-GROUNDWATER

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.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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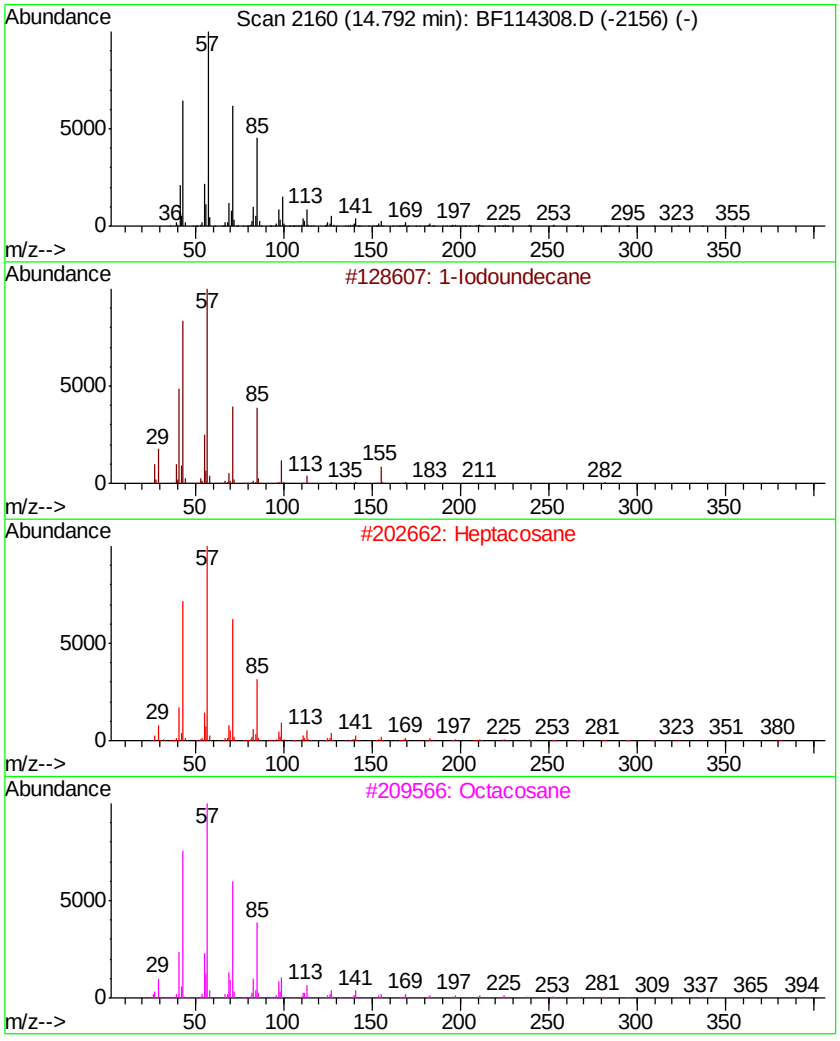
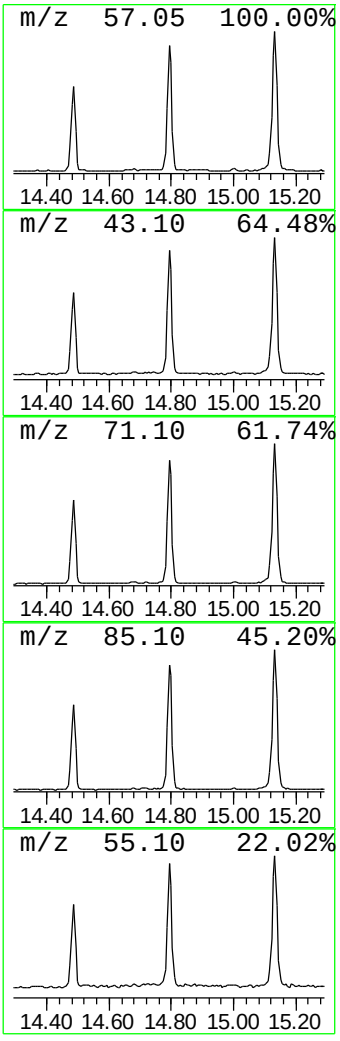
Peak Number 10 1-Iodoundecane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.79	10.13 ng	1469410	Perylene-d12	15.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Iodoundecane	282	C11H23I	004282-44-4	93
2	Heptacosane	380	C27H56	000593-49-7	91
3	Octacosane	394	C28H58	000630-02-4	91
4	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	90
5	Triacontane	422	C30H62	000638-68-6	90





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051619\
Data File : BF114308.D
Acq On : 16 May 2019 14:55
Operator : JU/SJ
Sample : K2852-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-GROUNDWATER

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

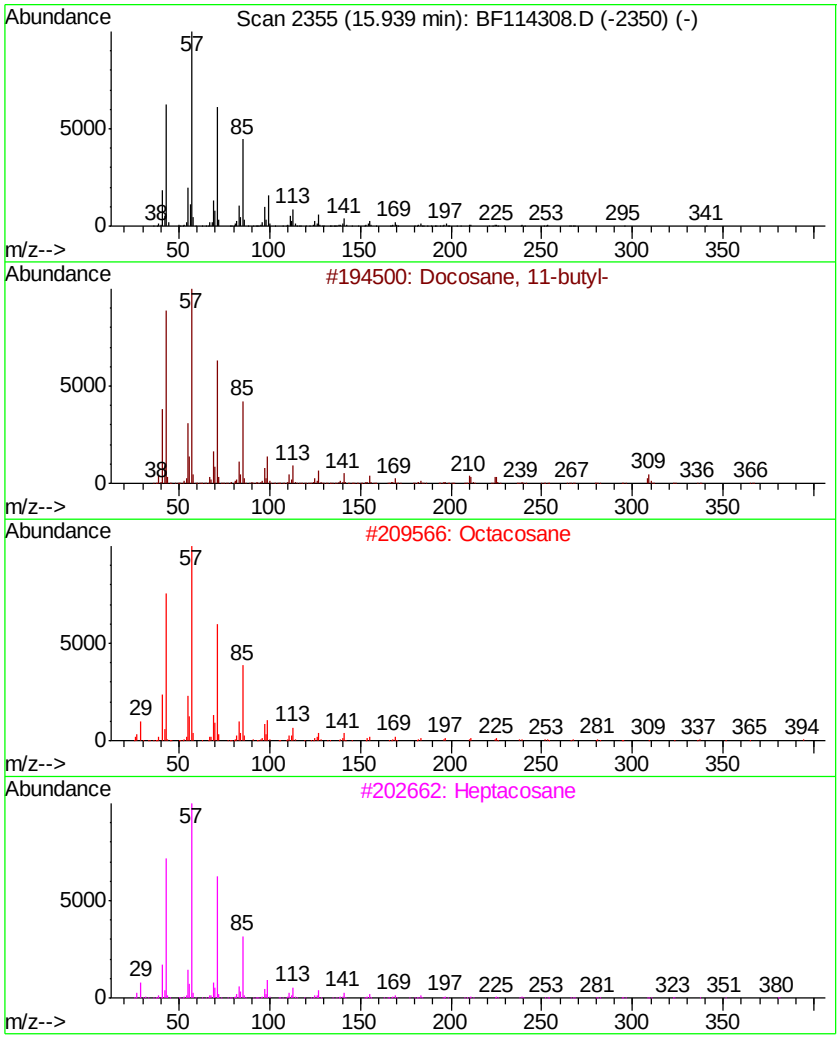
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

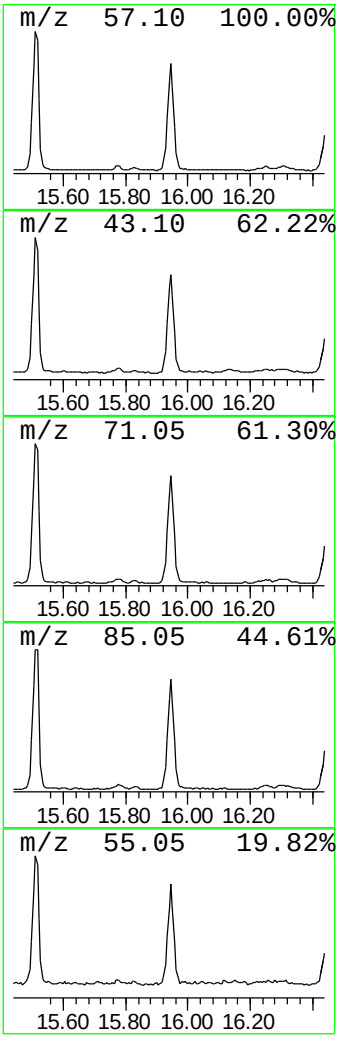
****

Peak Number 12 Docosane, 11-butyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.94	9.22 ng	1336300	Perylene-d12	15.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Docosane, 11-butyl-	366	C26H54	013475-76-8	91
2	Octacosane	394	C28H58	000630-02-4	90
3	Heptacosane	380	C27H56	000593-49-7	87
4	Tetracosane	338	C24H50	000646-31-1	87
5	Eicosane	282	C20H42	000112-95-8	86





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051619\
Data File : BF114308.D
Acq On : 16 May 2019 14:55
Operator : JU/SJ
Sample : K2852-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-GROUNDWATER

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.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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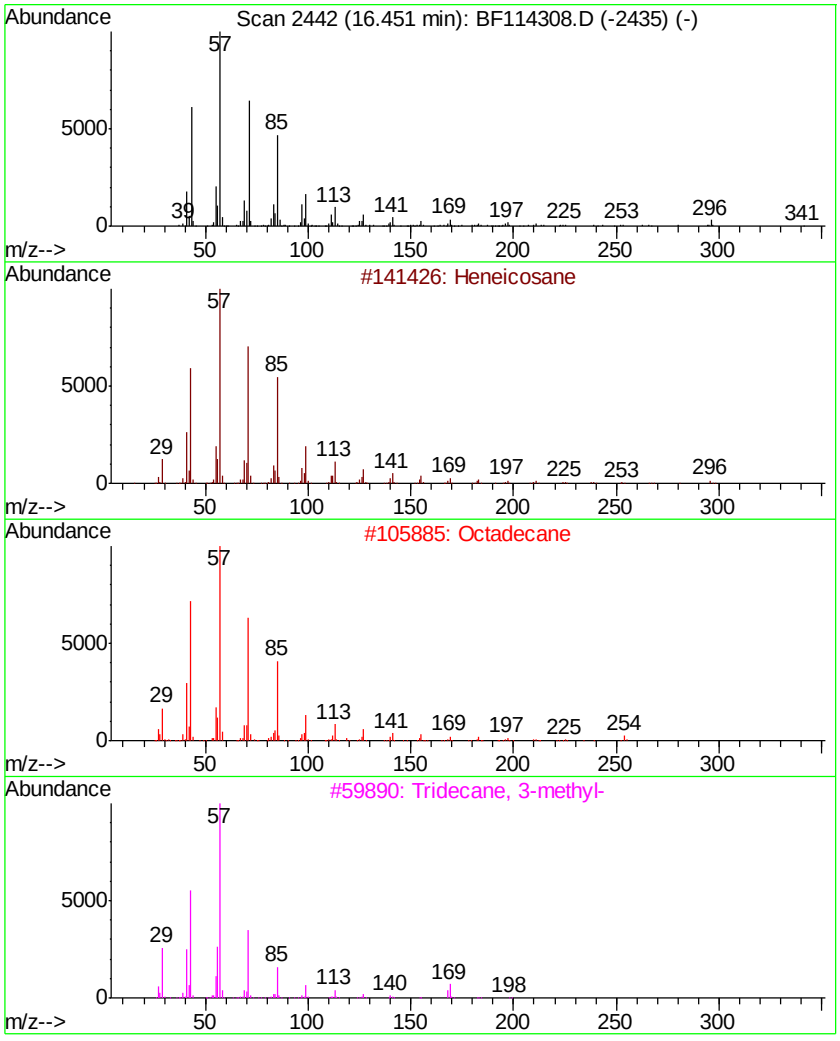
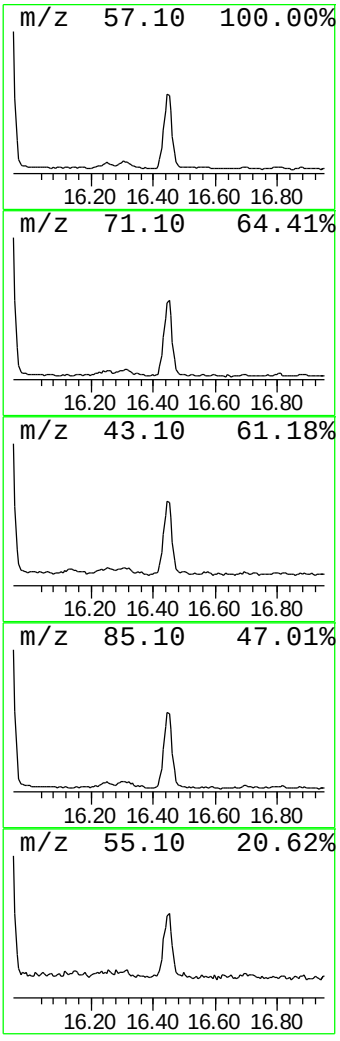
Peak Number 13 Heneicosane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.45	5.28 ng	765655	Perylene-d12	15.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	97
2	Octadecane	254	C18H38	000593-45-3	87
3	Tridecane, 3-methyl-	198	C14H30	006418-41-3	86
4	Octacosane	394	C28H58	000630-02-4	81
5	Pentacosane	352	C25H52	000629-99-2	74





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF051619\
Data File : BF114308.D
Acq On : 16 May 2019 14:55
Operator : JU/SJ
Sample : K2852-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-GROUNDWATER

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.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
1,3-Dioxolane, 2,...	2.92	2.1	ng	116946	1	6.85	1115750	20.0
2-Pentanone, 4-hy...	5.05	5.3	ng	294966	1	6.85	1115750	20.0
unknown6.62	6.62	55.4	ng	3090420	1	6.85	1115750	20.0
n-Hexadecanoic acid	11.90	14.5	ng	1259190	4	11.37	1731760	20.0
Octadecanoic acid	12.68	7.4	ng	643244	4	11.37	1731760	20.0
Sulfurous acid, p...	13.85	5.5	ng	371122	5	14.02	1342910	20.0
Heptacosane	14.17	7.0	ng	467442	5	14.02	1342910	20.0
Eicosane	14.49	13.9	ng	931887	5	14.02	1342910	20.0
1-Iodoundecane	14.79	10.1	ng	1469410	6	15.50	2900180	20.0
Docosane, 11-butyl-	15.94	9.2	ng	1336300	6	15.50	2900180	20.0
Heneicosane	16.45	5.3	ng	765655	6	15.50	2900180	20.0