LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032520\
Data File : BF119512.D
Acq On : 25 Mar 2020 19:18
Operator : CG/JU
Sample : L2017-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FE-SB-35-(7-7.5)

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-BF031820.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	2.157	6	12	18	rVB	378114	493505	5.09%	0.580%
2	2.257	25	29	36	rVB	127225	168131	1.73%	0.198%
3	5.069	496	507	516	rVB	263627	374135	3.86%	0.440%
4	5.457	567	573	576	rBV	7472544	7857796	81.03%	9.235%
5	6.463	738	744	747	rBV	6432525	7965425	82.14%	9.362%
6	6.839	804	808	812	rBV	2754927	2334891	24.08%	2.744%
7	6.998	830	835	838	rBV	7032771	6357507	65.56%	7.472%
8	7.404	898	904	907	rBV	5100084	5313624	54.79%	6.245%
9	8.127	1021	1027	1030	rBV	3381043	3093721	31.90%	3.636%
10	9.210	1204	1211	1214	rBV	8812234	9533995	98.31%	11.205%
11	9.598	1270	1277	1280	rBV	1402240	1076858	11.10%	1.266%
12	9.886	1319	1326	1329	rBV	4115781	3631746	37.45%	4.268%
13	10.674	1454	1460	1463	rBV	6553792	6467365	66.69%	7.601%
14	11.374	1574	1579	1582	rBV	4597443	3829455	39.49%	4.501%
15	11.904	1665	1669	1683	rBV	1541562	1652767	17.04%	1.942%
16	12.692	1799	1803	1817	rBV	1301709	1338980	13.81%	1.574%
17	12.968	1844	1850	1853	rBV	9656699	9697448	100.00%	11.397%
18	13.874	2000	2004	2023	rBV2	602349	1593650	16.43%	1.873%
19	14.015	2023	2028	2031	rVV	3608374	3167091	32.66%	3.722%
20	14.186	2053	2057	2061	rBV	471144	391521	4.04%	0.460%
21	14.492	2105	2109	2113	rBV	787809	694318	7.16%	0.816%
22	14.556	2114	2120	2123	rBV7	46115	99663	1.03%	0.117%
23	14.804	2158	2162	2166	rVB	927320	945657	9.75%	1.111%
24	15.145	2215	2220	2226	rBV	1033292	1141335	11.77%	1.341%
25	15.480	2271	2277	2281	rBV	2011613	2552333	26.32%	3.000%
26	15.527	2281	2285	2296	rVB	845028	1106353	11.41%	1.300%
27	15.968	2353	2360	2370	rBV	616856	943150	9.73%	1.108%
28	16.086	2372	2380	2389	rBV6	93343	347787	3.59%	0.409%
29	16.480	2440	2447	2454	rBV	304489	535983	5.53%	0.630%
30	17.080	2542	2549	2557	rBV2	118498	245614	2.53%	0.289%
31	17.792	2663	2670	2678	rVB2	54664	133861	1.38%	0.157%

Sum of corrected areas: 85085665

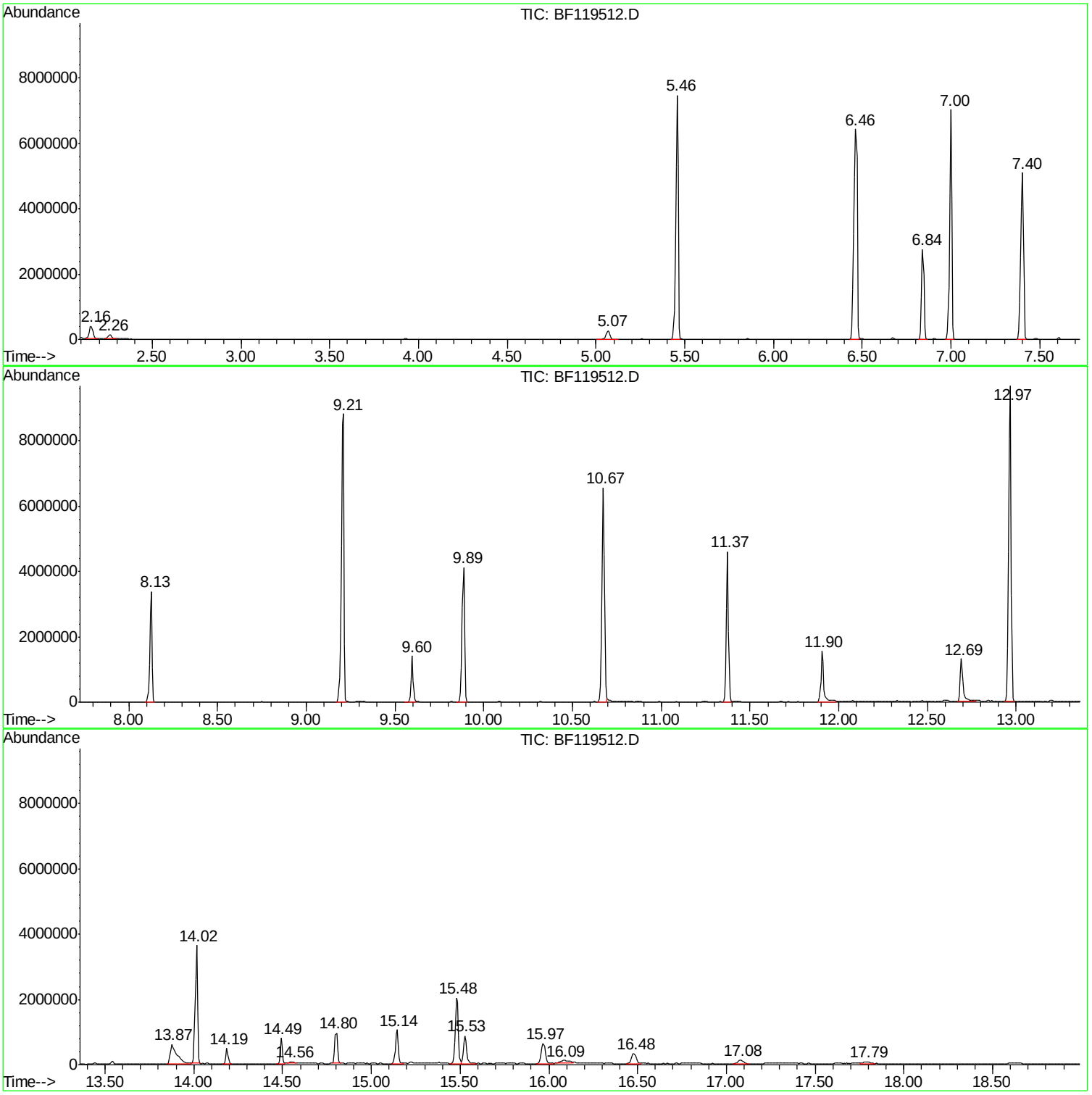
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032520\
Data File : BF119512.D
Acq On : 25 Mar 2020 19:18
Operator : CG/JU
Sample : L2017-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
FE-SB-35-(7-7.5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF031820.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\BF032520\
Data File : BF119512.D
Acq On : 25 Mar 2020 19:18
Operator : CG/JU
Sample : L2017-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FE-SB-35-(7-7.5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF031820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

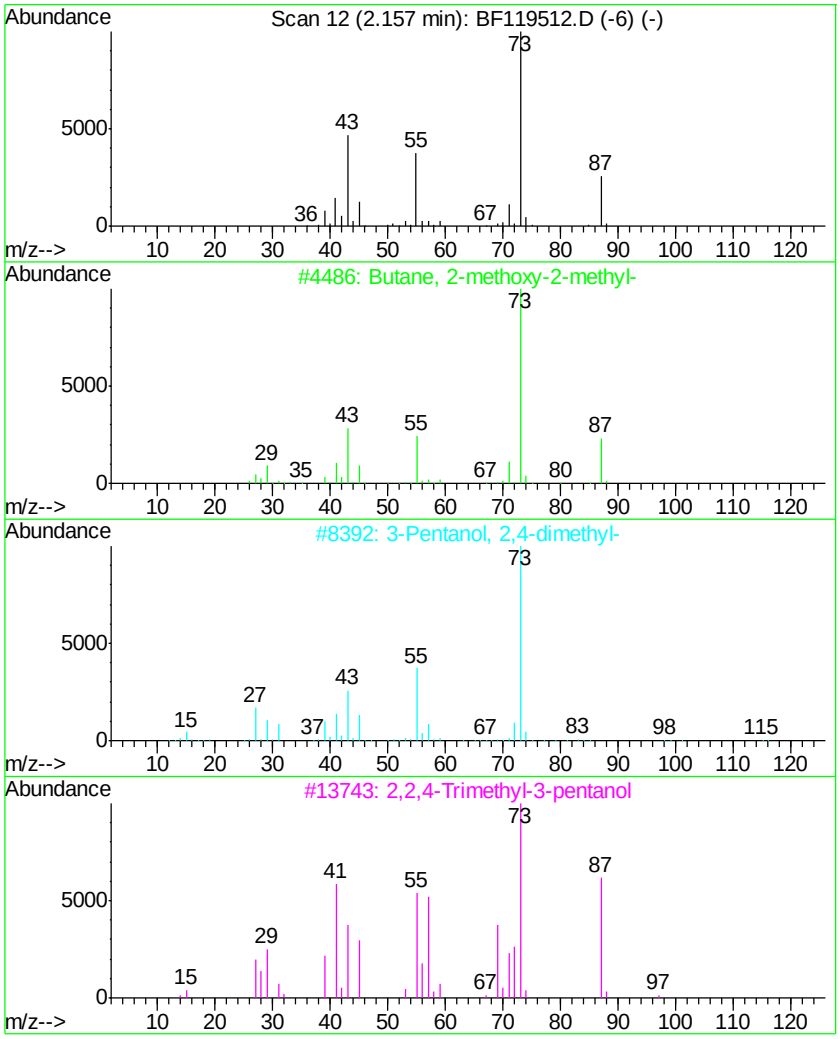
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

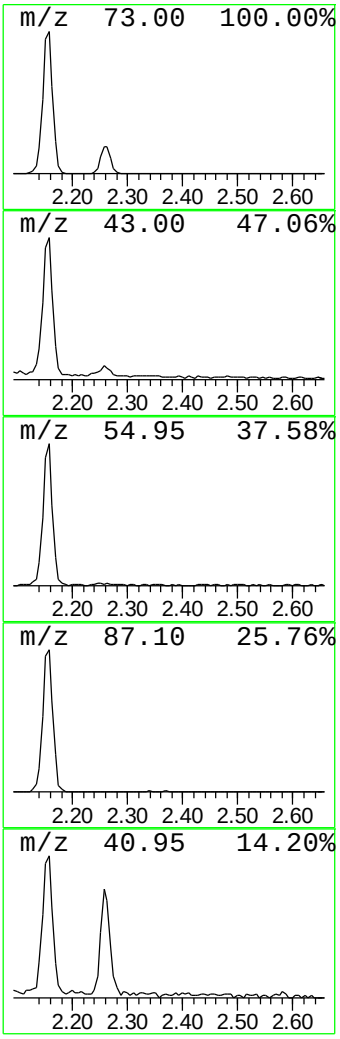
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.16	4.23 ng	493505	1,4-Dichlorobenzene-d4	6.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	3-Pentanol, 2,4-dimethyl-	116	C7H16O	000600-36-2	43
3	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
4	2-Methyl-5-hexen-3-ol	114	C7H14O	032815-70-6	38
5	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	37





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032520\
Data File : BF119512.D
Acq On : 25 Mar 2020 19:18
Operator : CG/JU
Sample : L2017-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FE-SB-35-(7-7.5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF031820.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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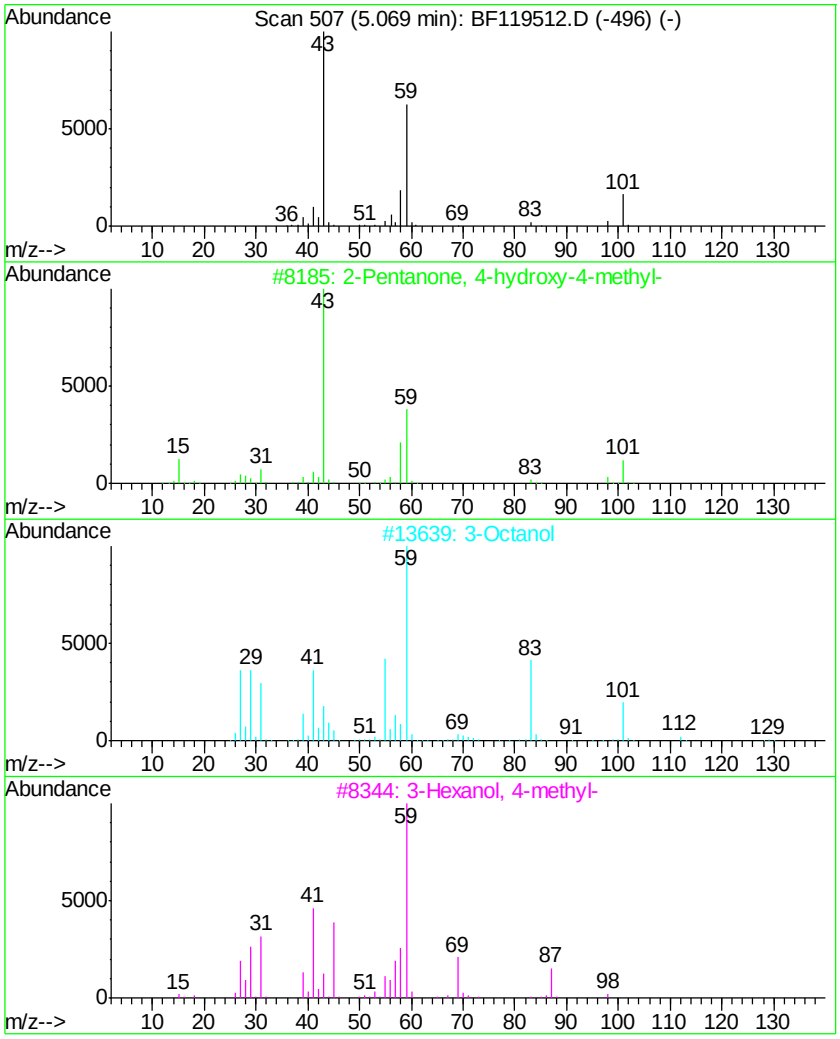
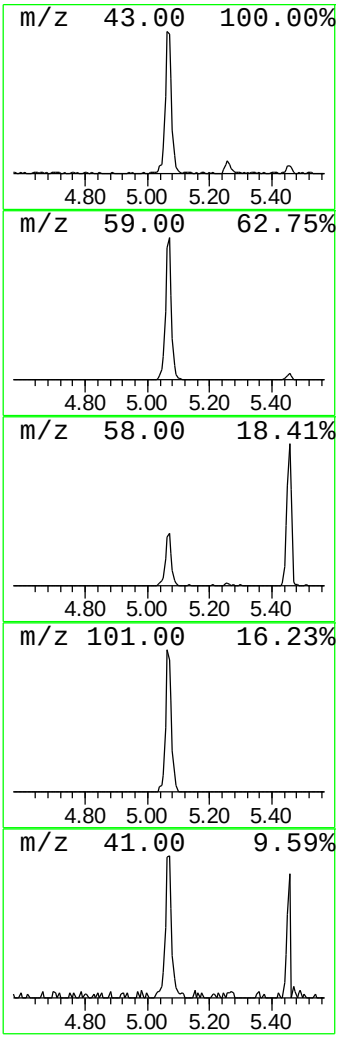
Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.07	3.20 ng	374135	1,4-Dichlorobenzene-d4	6.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2	3-Octanol	130	C8H18O	000589-98-0	33
3	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
4	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	32
5	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	28





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032520\
Data File : BF119512.D
Acq On : 25 Mar 2020 19:18
Operator : CG/JU
Sample : L2017-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FE-SB-35-(7-7.5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF031820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

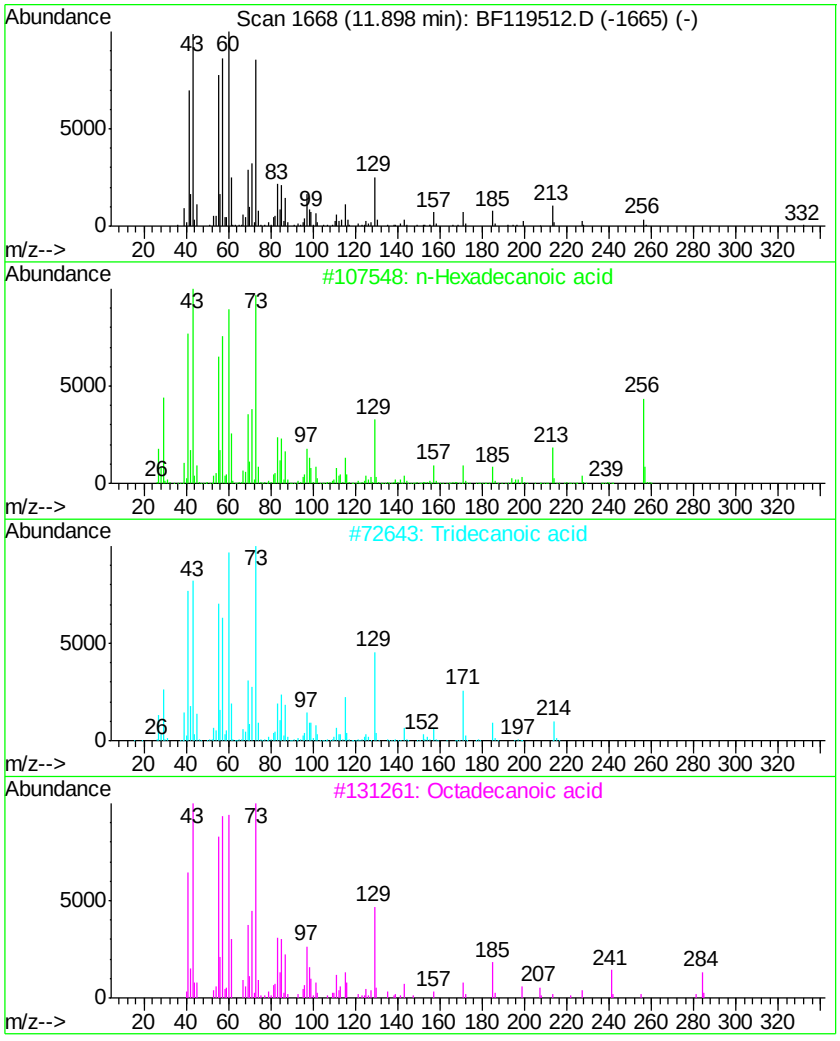
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

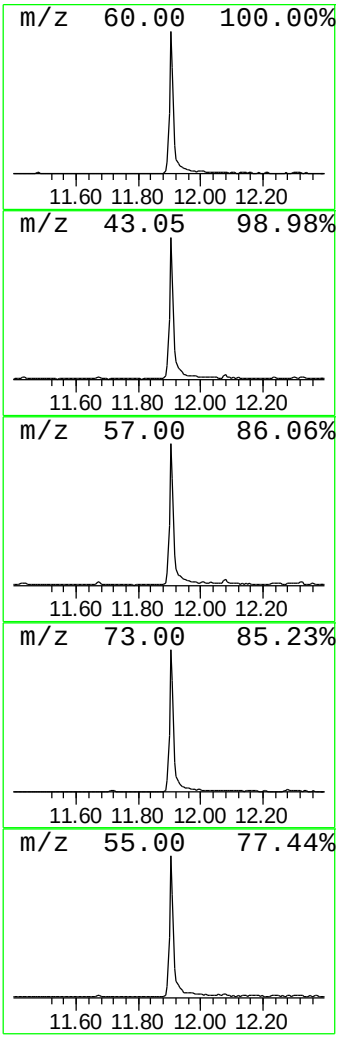
****

Peak Number 4 n-Hexadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.90	8.63 ng	1652770	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	Octadecanoic acid	284	C18H36O2	000057-11-4	90
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	90
5	Undecanoic acid	186	C11H22O2	000112-37-8	78





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032520\
Data File : BF119512.D
Acq On : 25 Mar 2020 19:18
Operator : CG/JU
Sample : L2017-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FE-SB-35-(7-7.5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF031820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

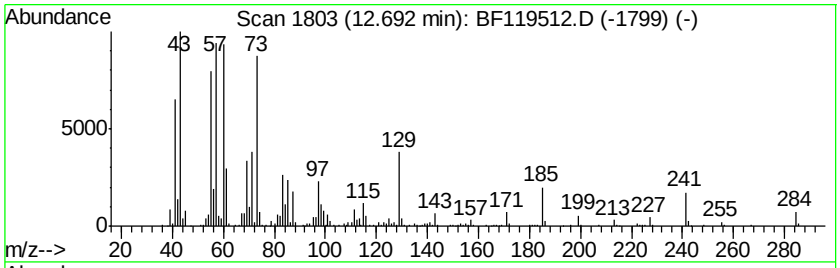
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

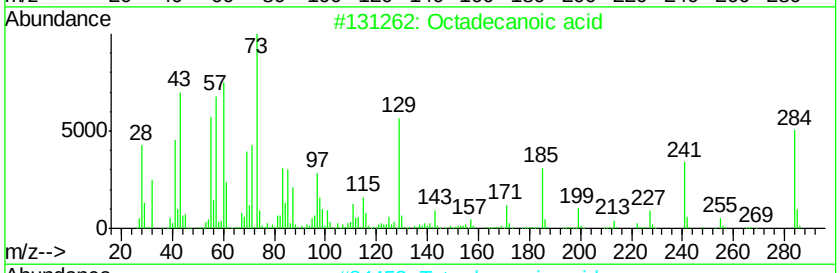
****

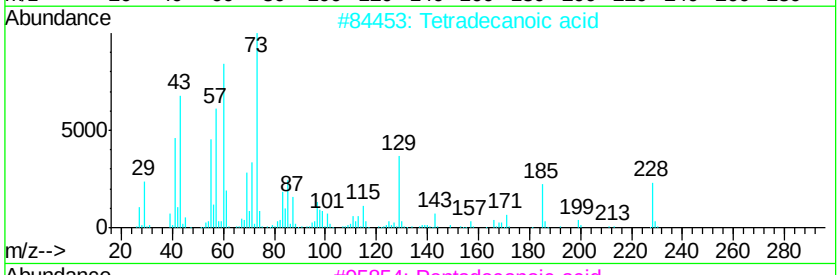
Peak Number 5 Octadecanoic acid Concentration Rank 7

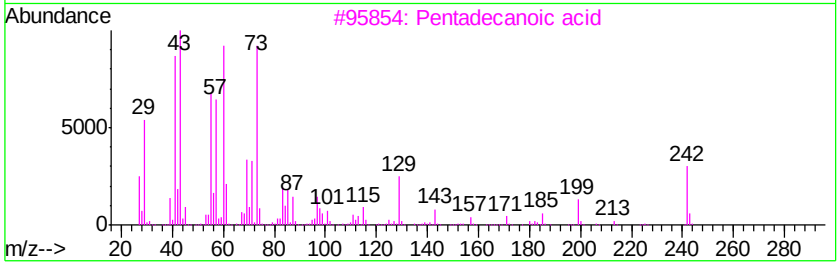
R.T.	EstConc	Area	Relative to ISTD	R.T.
12.69	6.99 ng	1338980	Phenanthrene-d10	11.37

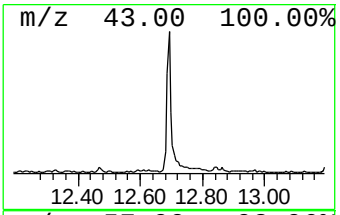
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	98
2	Tetradecanoic acid	228	C14H28O2	000544-63-8	83
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	80
4	n-Decanoic acid	172	C10H20O2	000334-48-5	58
5	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	45

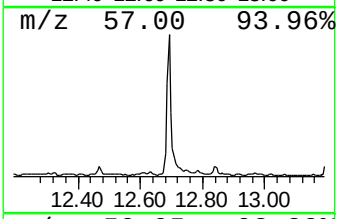


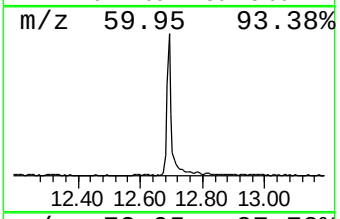


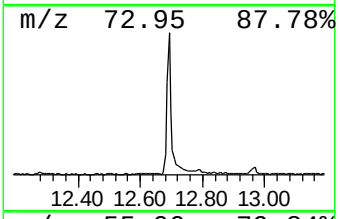


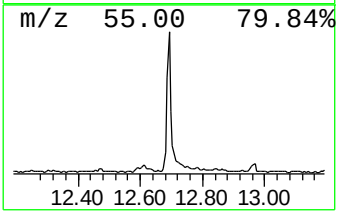












Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032520\
Data File : BF119512.D
Acq On : 25 Mar 2020 19:18
Operator : CG/JU
Sample : L2017-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FE-SB-35-(7-7.5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF031820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

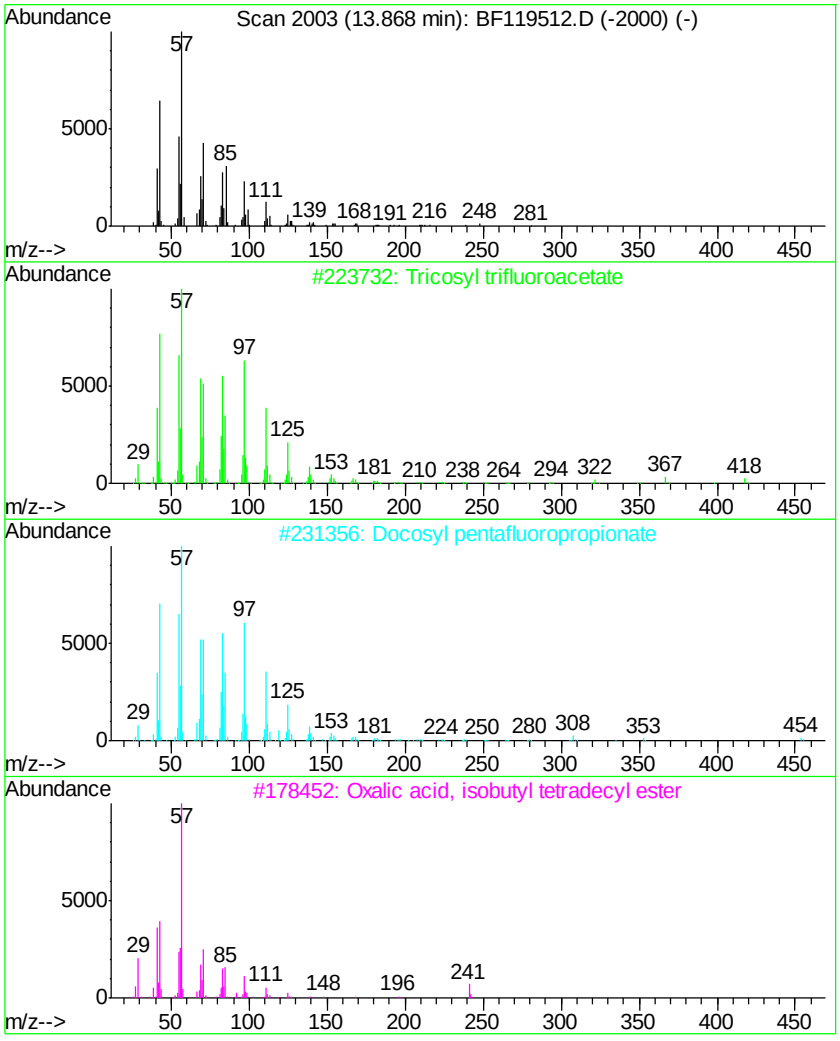
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

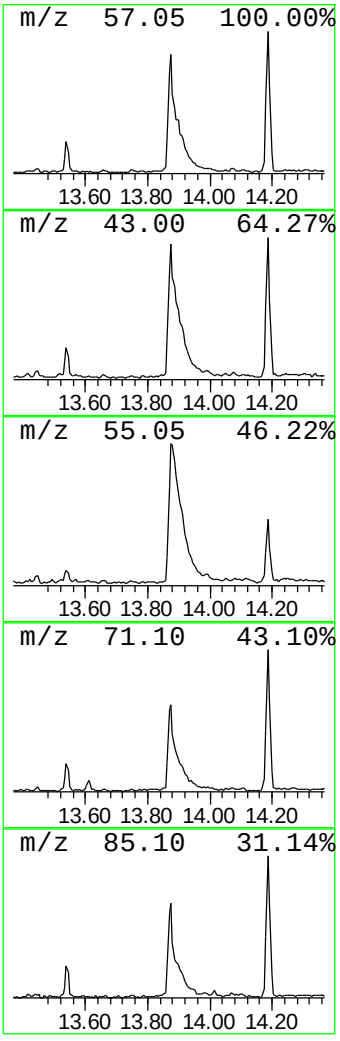
****

Peak Number 6 Tricosyl trifluoroacetate Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.87	10.06 ng	1593650	Chrysene-d12	14.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tricosyl trifluoroacetate	436	C25H47F3O2	1000351-75-1	91
2	Docosyl pentafluoropropionate	472	C25H45F5O2	1000351-80-9	91
3	Oxalic acid, isobutyl tetradecyl...	342	C20H38O4	1000309-37-9	90
4	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	68
5	Oxalic acid, isobutyl heptadecyl...	384	C23H44O4	1000309-38-2	68





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032520\
Data File : BF119512.D
Acq On : 25 Mar 2020 19:18
Operator : CG/JU
Sample : L2017-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FE-SB-35-(7-7.5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF031820.M
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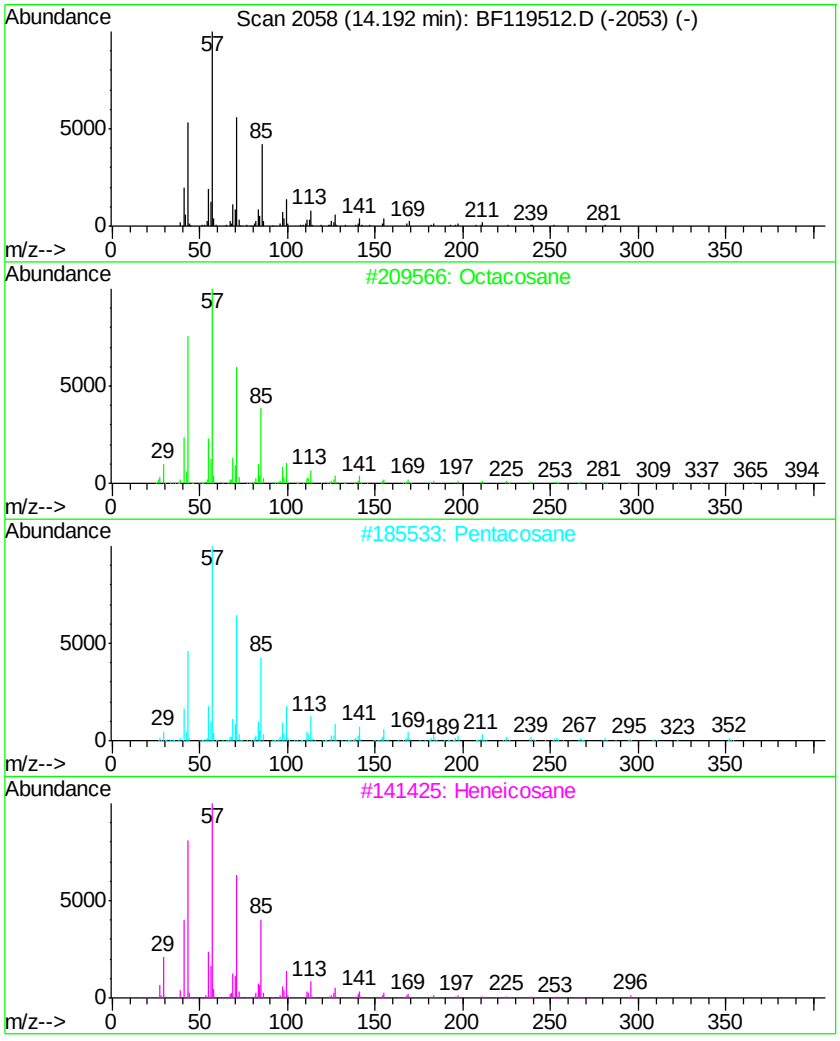
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

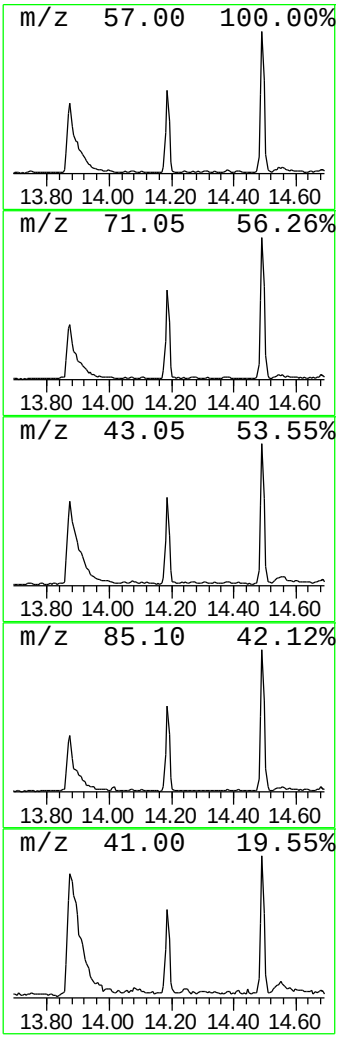
****

Peak Number 7 Octacosane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.19	2.47 ng	391521	Chrysene-d12	14.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octacosane	394	C28H58	000630-02-4	91
2	Pentacosane	352	C25H52	000629-99-2	91
3	Heneicosane	296	C21H44	000629-94-7	90
4	Tetracosane	338	C24H50	000646-31-1	90
5	2-Bromotetradecane	276	C14H29Br	074036-95-6	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032520\
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Misc :
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Instrument : BNA_F
ClientSampleId : FE-SB-35-(7-7.5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF031820.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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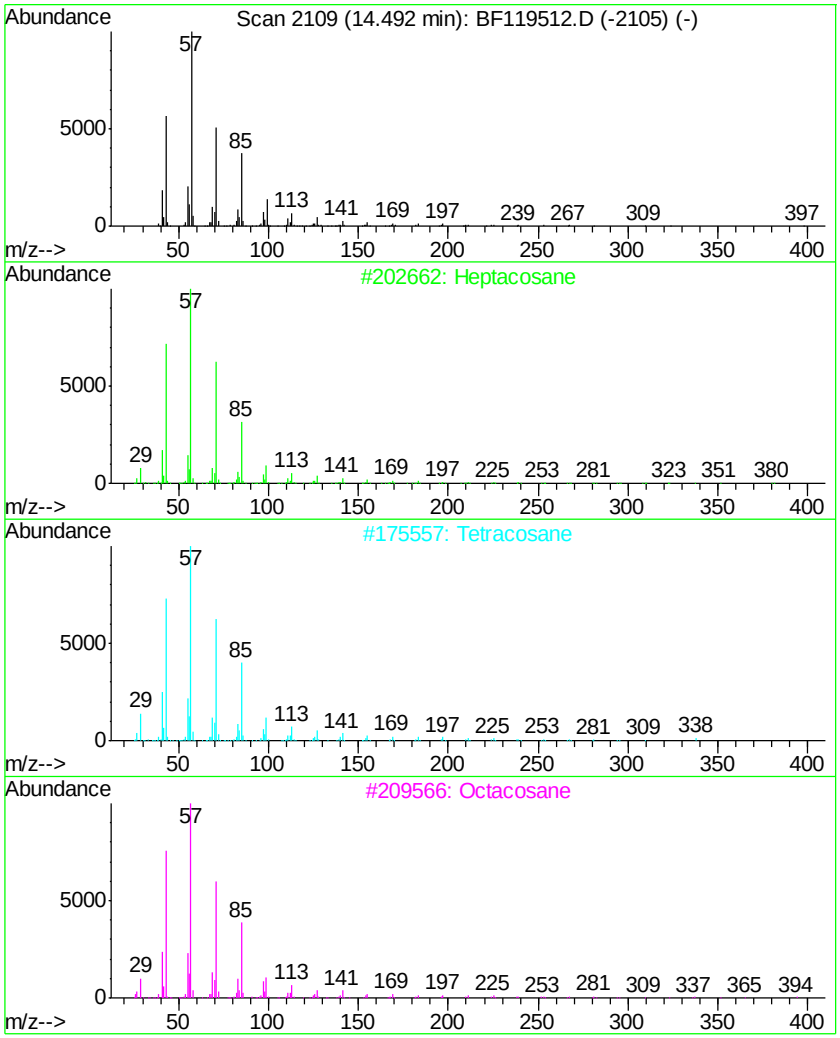
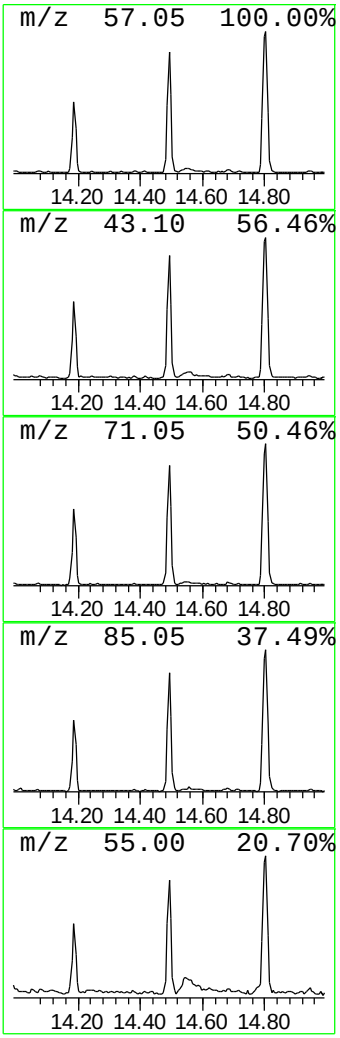
Peak Number 8 Heptacosane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.49	4.38 ng	694318	Chrysene-d12	14.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptacosane	380	C27H56	000593-49-7	91
2	Tetracosane	338	C24H50	000646-31-1	91
3	Octacosane	394	C28H58	000630-02-4	91
4	Hentriacontane	437	C31H64	000630-04-6	91
5	Pentacosane	352	C25H52	000629-99-2	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032520\
Data File : BF119512.D
Acq On : 25 Mar 2020 19:18
Operator : CG/JU
Sample : L2017-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FE-SB-35-(7-7.5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF031820.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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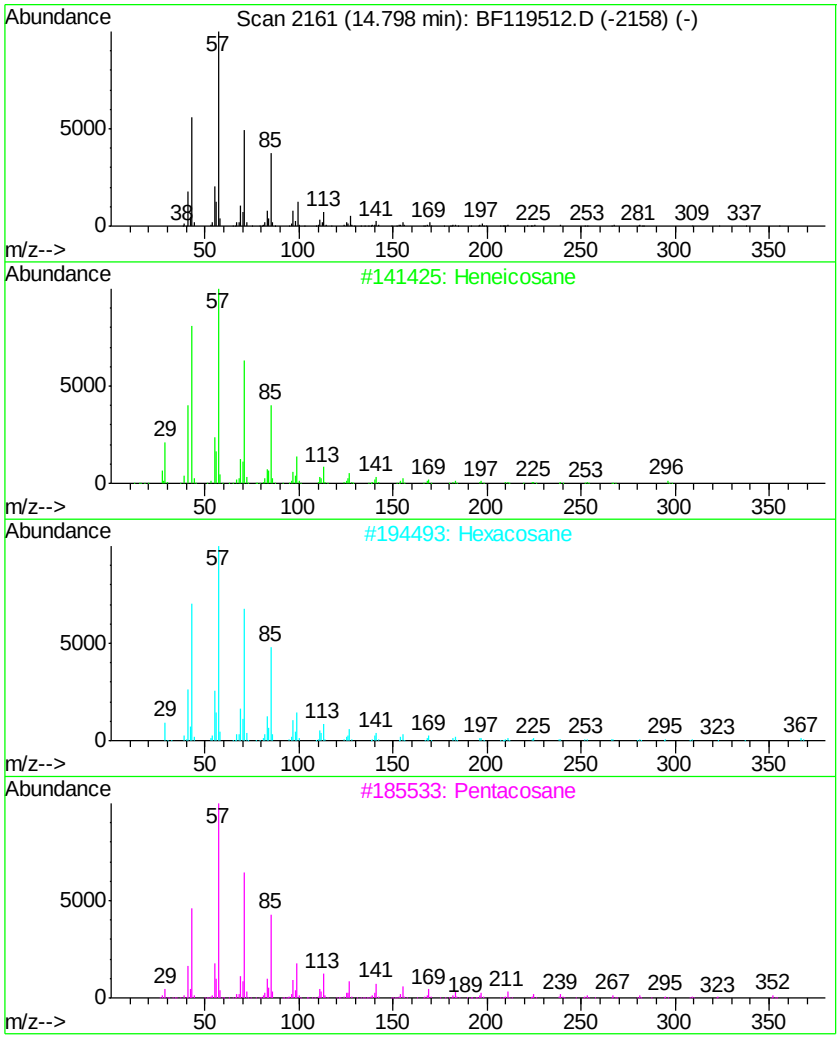
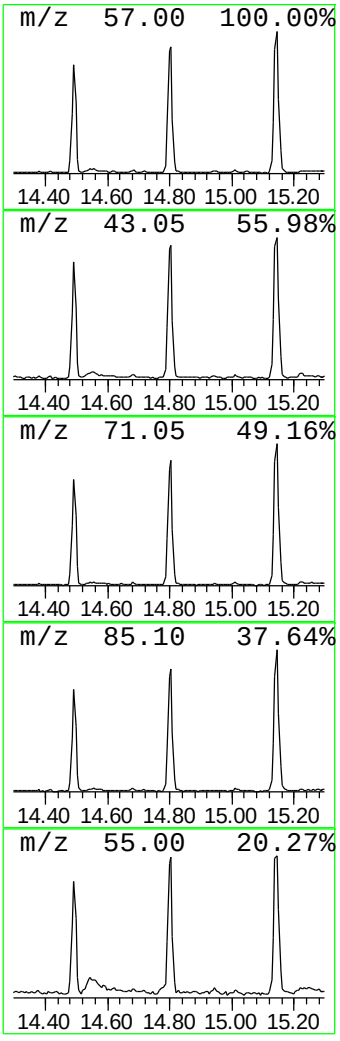
Peak Number 9 Heneicosane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.80	7.41 ng	945657	Perylene-d12	15.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	91
2	Hexacosane	366	C26H54	000630-01-3	90
3	Pentacosane	352	C25H52	000629-99-2	90
4	Heptadecane	240	C17H36	000629-78-7	90
5	Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	87





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Data File : BF119512.D
Acq On : 25 Mar 2020 19:18
Operator : CG/JU
Sample : L2017-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FE-SB-35-(7-7.5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF031820.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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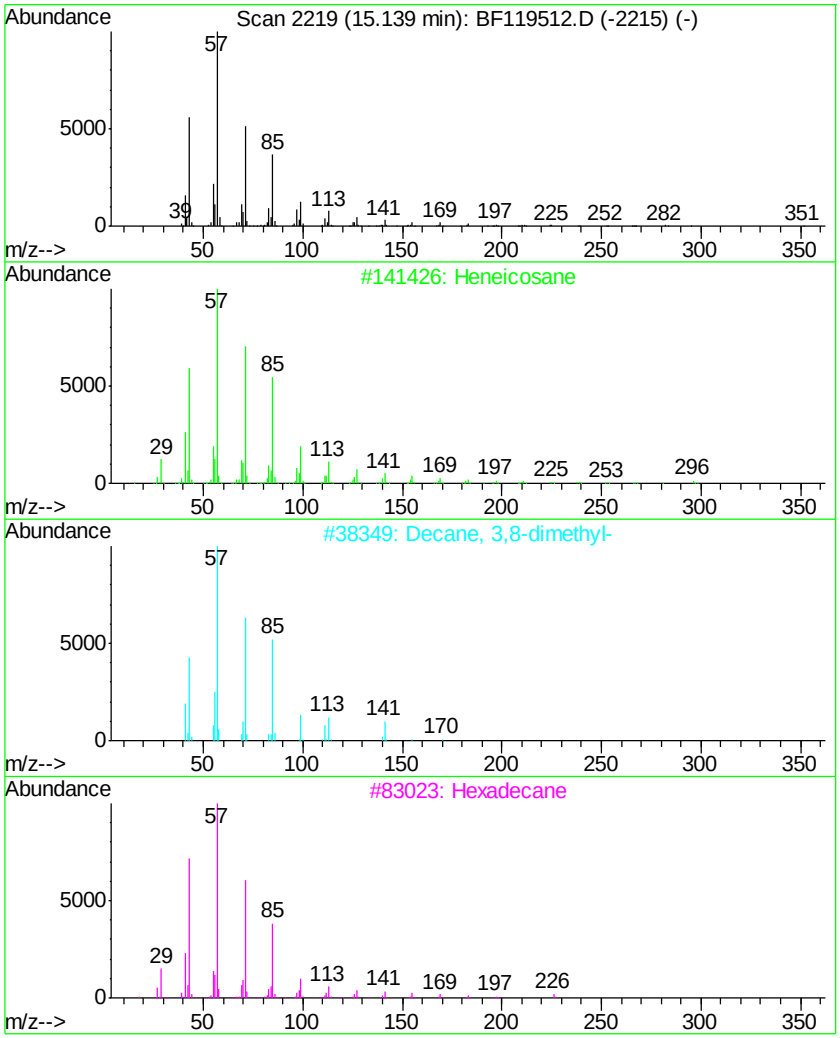
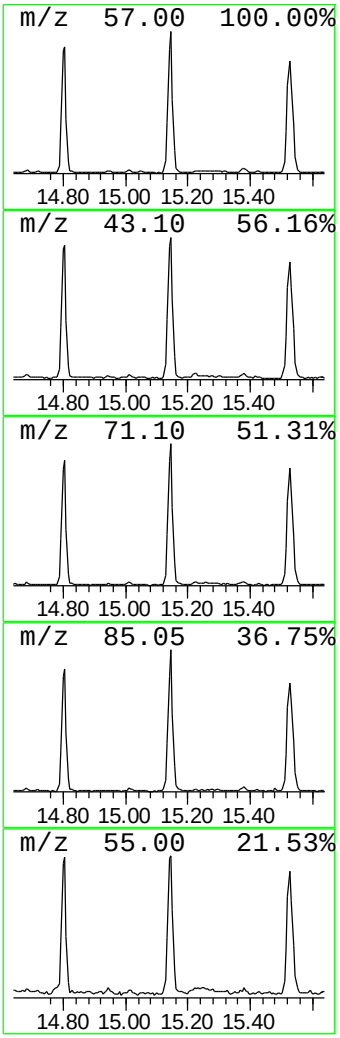
Peak Number 10 Decane, 3,8-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.14	8.94 ng	1141340	Perylene-d12	15.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	90
2	Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	83
3	Hexadecane	226	C16H34	000544-76-3	83
4	Hentriacontane	437	C31H64	000630-04-6	81
5	Octacosane	394	C28H58	000630-02-4	81





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Operator : CG/JU
Sample : L2017-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FE-SB-35-(7-7.5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF031820.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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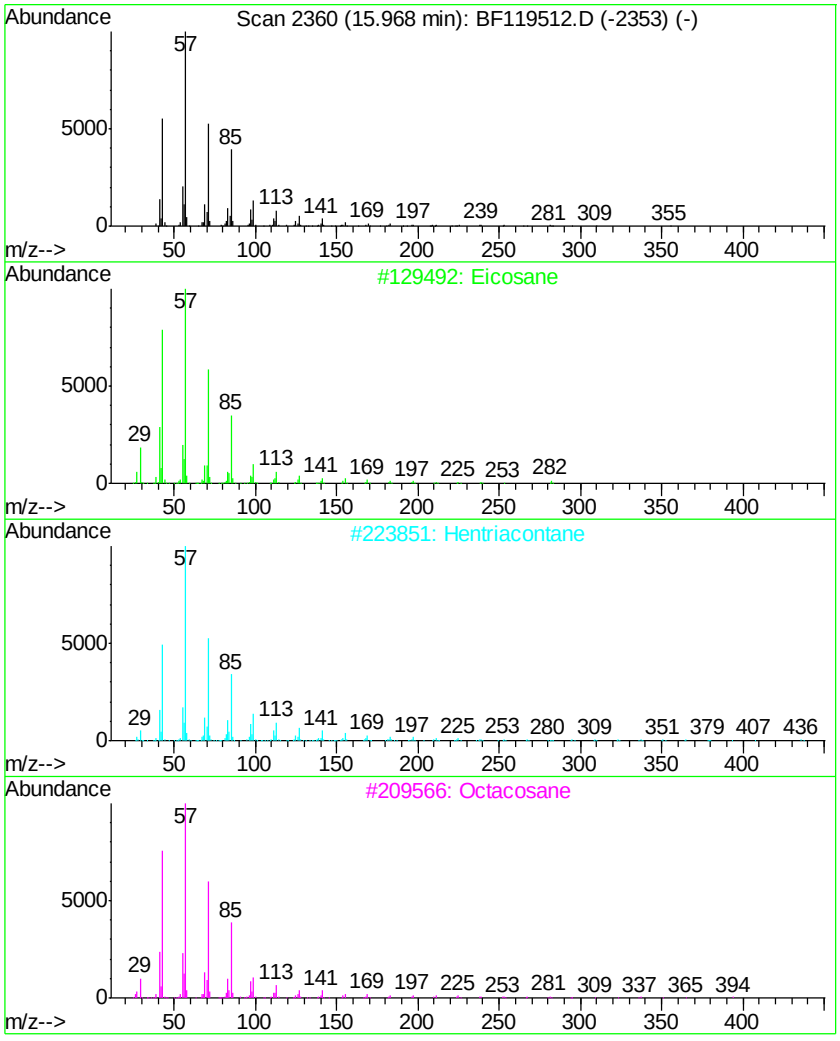
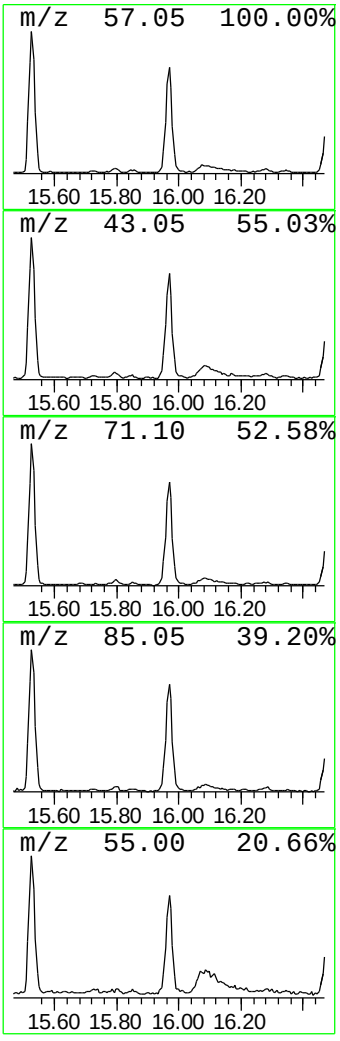
Peak Number 11 Eicosane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.97	7.39 ng	943150	Perylene-d12	15.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	96
2	Hentriacontane	437	C31H64	000630-04-6	91
3	Octacosane	394	C28H58	000630-02-4	91
4	Hexacosane	366	C26H54	000630-01-3	91
5	Tetracosane	338	C24H50	000646-31-1	91





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Data File : BF119512.D
Acq On : 25 Mar 2020 19:18
Operator : CG/JU
Sample : L2017-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FE-SB-35-(7-7.5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF031820.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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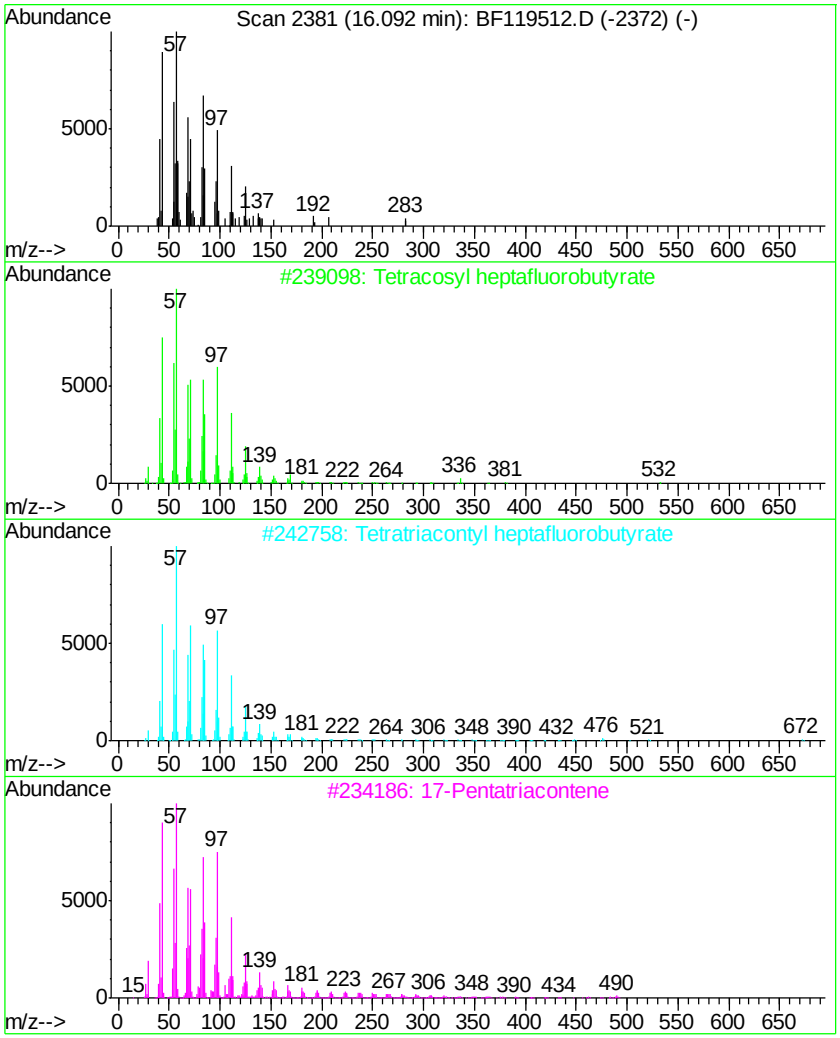
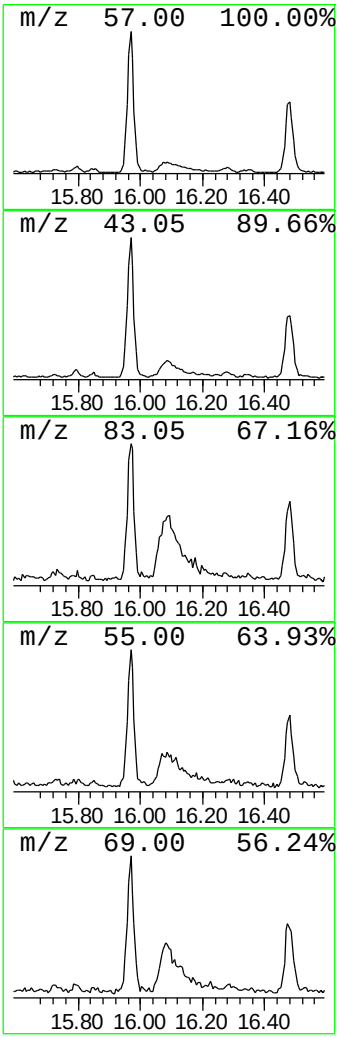
Peak Number 12 Tetracosyl heptafluorobutyrate Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.09	2.73 ng	347787	Perylene-d12	15.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetracosyl heptafluorobutyrate	550	C28H49F7O2	1000351-83-7	70
2	Tetratriacontyl heptafluorobutyrate	691	C38H69F7O2	1000351-84-1	70
3	17-Pentatriacontene	491	C35H70	006971-40-0	68
4	Triacontyl acetate	480	C32H64O2	041755-58-2	68
5	1-Hentetracontanol	593	C41H84O	040710-42-7	68





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032520\
Data File : BF119512.D
Acq On : 25 Mar 2020 19:18
Operator : CG/JU
Sample : L2017-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FE-SB-35-(7-7.5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF031820.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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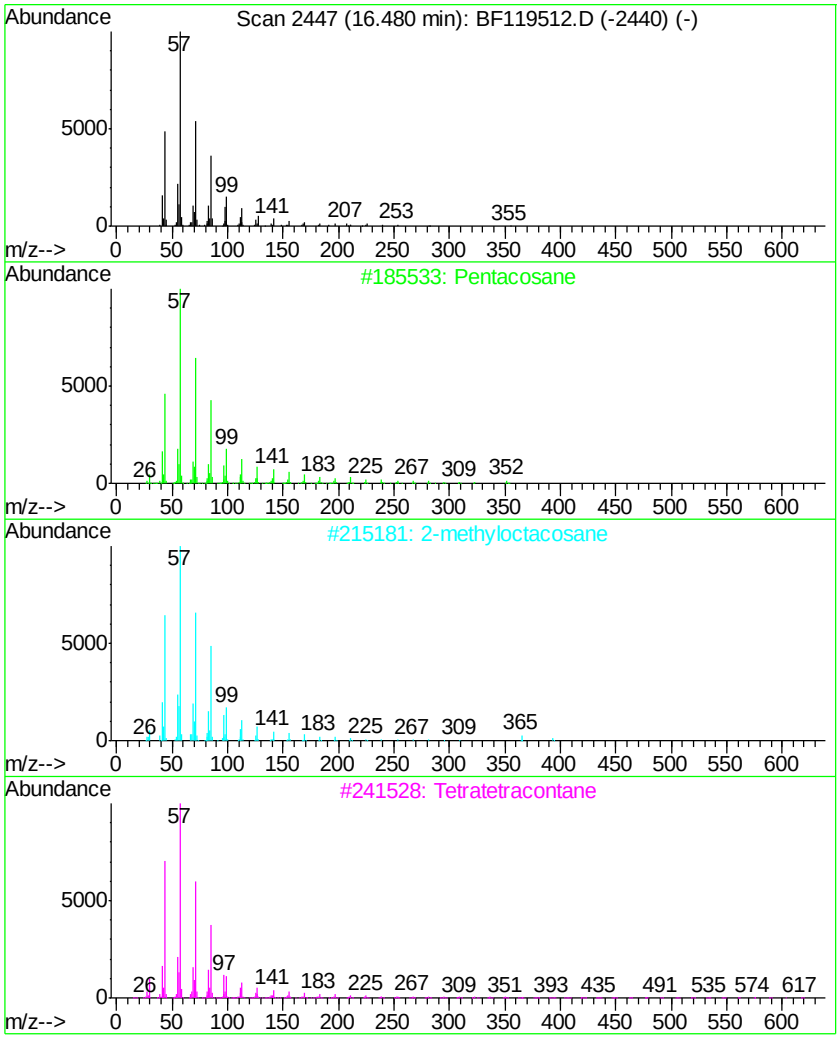
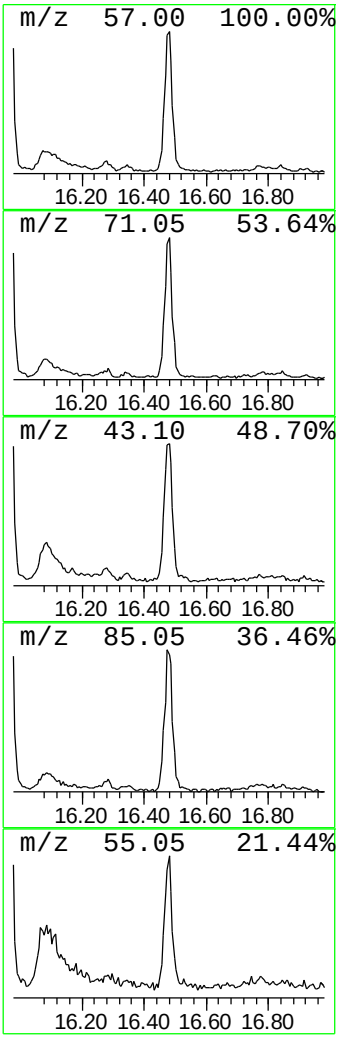
Peak Number 13 Pentacosane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.48	4.20 ng	535983	Perylene-d12	15.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentacosane	352	C25H52	000629-99-2	91
2	2-methyloctacosane	408	C29H60	1000376-72-8	90
3	Tetratetracontane	619	C44H90	007098-22-8	87
4	Heptacosane	380	C27H56	000593-49-7	87
5	Hexacosane	366	C26H54	000630-01-3	87





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032520\
Data File : BF119512.D
Acq On : 25 Mar 2020 19:18
Operator : CG/JU
Sample : L2017-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FE-SB-35-(7-7.5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF031820.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...	2.16	4.2	ng	493505	1	6.84	2334890	20.0
2-Pentanone, 4-hy...	5.07	3.2	ng	374135	1	6.84	2334890	20.0
n-Hexadecanoic acid	11.90	8.6	ng	1652770	4	11.37	3829460	20.0
Octadecanoic acid	12.69	7.0	ng	1338980	4	11.37	3829460	20.0
Tricosyl trifluor...	13.87	10.1	ng	1593650	5	14.02	3167090	20.0
Octacosane	14.19	2.5	ng	391521	5	14.02	3167090	20.0
Heptacosane	14.49	4.4	ng	694318	5	14.02	3167090	20.0
Heneicosane	14.80	7.4	ng	945657	6	15.48	2552330	20.0
Decane, 3,8-dimet...	15.14	8.9	ng	1141340	6	15.48	2552330	20.0
Eicosane	15.97	7.4	ng	943150	6	15.48	2552330	20.0
Tetracosyl heptaf...	16.09	2.7	ng	347787	6	15.48	2552330	20.0
Pentacosane	16.48	4.2	ng	535983	6	15.48	2552330	20.0