LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032520\
Data File : BF119511.D
Acq On : 25 Mar 2020 18:40
Operator : CG/JU
Sample : L2017-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FE-SB-29-(5.5-6)

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	2.128	3	7	13	rVB	407692	521806	5.99%	0.664%
2	2.234	20	25	32	rVB	110759	141055	1.62%	0.179%
3	5.057	498	505	510	rBV	249860	310576	3.57%	0.395%
4	5.451	567	572	575	rBV	6293712	6832570	78.48%	8.693%
5	6.463	738	744	747	rBV	6249077	6887035	79.10%	8.762%
6	6.839	804	808	812	rBV	2487288	2127476	24.44%	2.707%
7	6.998	830	835	838	rBV	6010500	5482321	62.97%	6.975%
8	7.404	898	904	907	rBV	4463666	4563920	52.42%	5.806%
9	8.127	1022	1027	1030	rBV	3069402	2800435	32.16%	3.563%
10	9.204	1205	1210	1214	rBV	7935707	8260474	94.88%	10.509%
11	9.598	1270	1277	1280	rBV	1138720	894736	10.28%	1.138%
12	9.886	1320	1326	1329	rBV	3876507	3321207	38.15%	4.225%
13	10.674	1454	1460	1463	rBV	6104867	5726188	65.77%	7.285%
14	11.374	1574	1579	1582	rBV	4054186	3532811	40.58%	4.495%
15	11.910	1665	1670	1681	rBV	2103134	2137951	24.56%	2.720%
16	12.586	1781	1785	1788	rBV	115444	142177	1.63%	0.181%
17	12.692	1799	1803	1816	rBV	1399796	1412902	16.23%	1.798%
18	12.968	1844	1850	1853	rBV	8625490	8706531	100.00%	11.077%
19	13.874	2000	2004	2023	rBV2	822590	2058377	23.64%	2.619%
20	14.015	2023	2028	2031	rBV	3331145	3051373	35.05%	3.882%
21	14.186	2053	2057	2062	rBV	479844	410576	4.72%	0.522%
22	14.492	2105	2109	2113	rBV	872756	746350	8.57%	0.950%
23	14.551	2114	2119	2129	rVV7	60163	168822	1.94%	0.215%
24	14.804	2155	2162	2169	rBV	1105468	1107214	12.72%	1.409%
25	15.145	2215	2220	2226	rBV	1115526	1208352	13.88%	1.537%
26	15.480	2271	2277	2281	rBV	1945230	2447403	28.11%	3.114%
27	15.527	2281	2285	2294	rVB	960437	1242158	14.27%	1.580%
28	15.968	2354	2360	2368	rBV	686773	980942	11.27%	1.248%
29	16.086	2372	2380	2392	rBV5	108627	410995	4.72%	0.523%
30	16.480	2440	2447	2463	rVB	326208	627229	7.20%	0.798%
31	17.080	2543	2549	2556	rBV2	118001	225213	2.59%	0.287%
32	17.786	2664	2669	2677	rVB5	48142	113090	1.30%	0.144%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032520\
Data File : BF119511.D
Acq On : 25 Mar 2020 18:40
Operator : CG/JU
Sample : L2017-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FE-SB-29-(5.5-6)

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

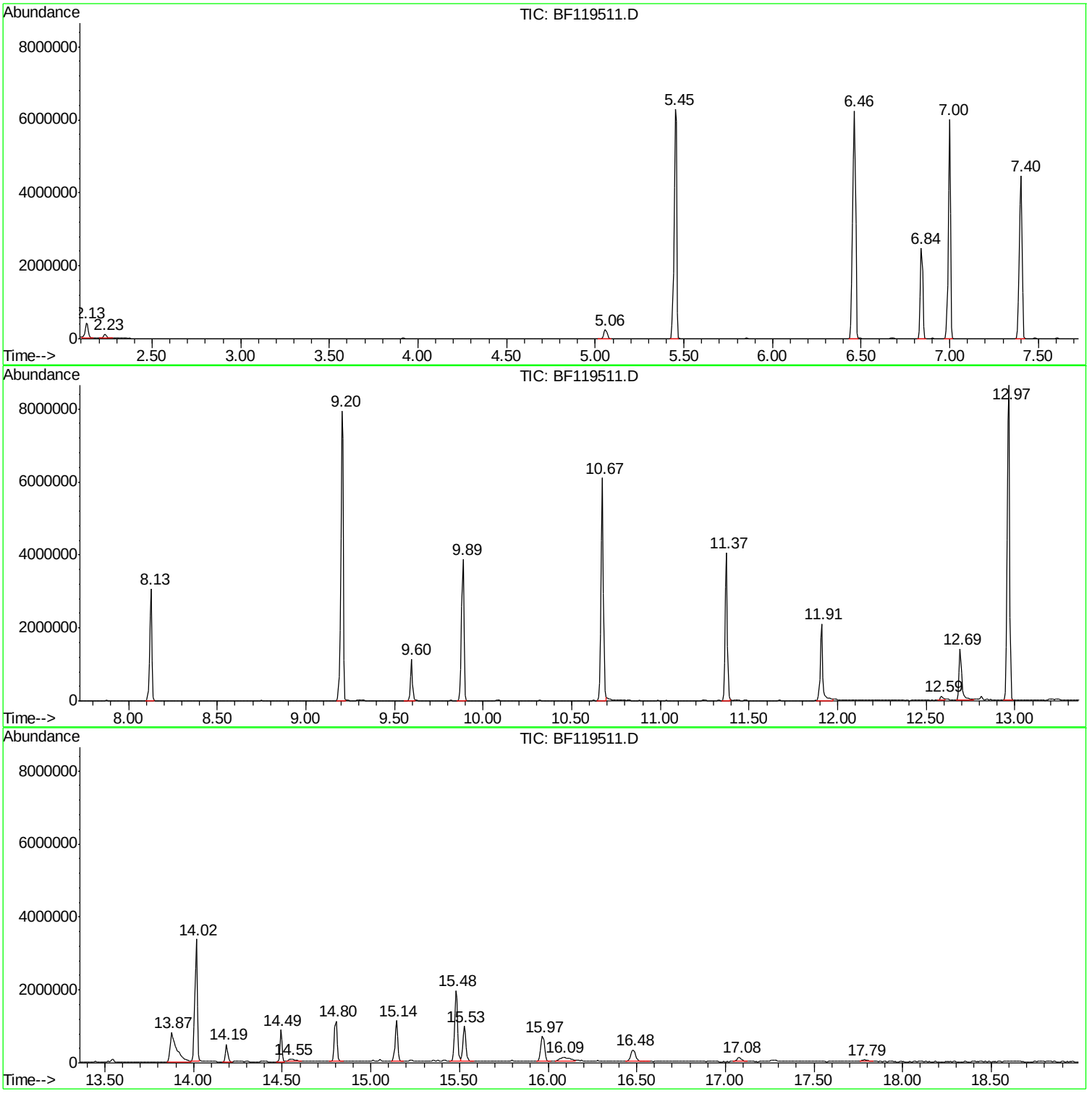
Sum of corrected areas: 78600265

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032520\
Data File : BF119511.D
Acq On : 25 Mar 2020 18:40
Operator : CG/JU
Sample : L2017-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
FE-SB-29-(5.5-6)

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032520\
Data File : BF119511.D
Acq On : 25 Mar 2020 18:40
Operator : CG/JU
Sample : L2017-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FE-SB-29-(5.5-6)

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

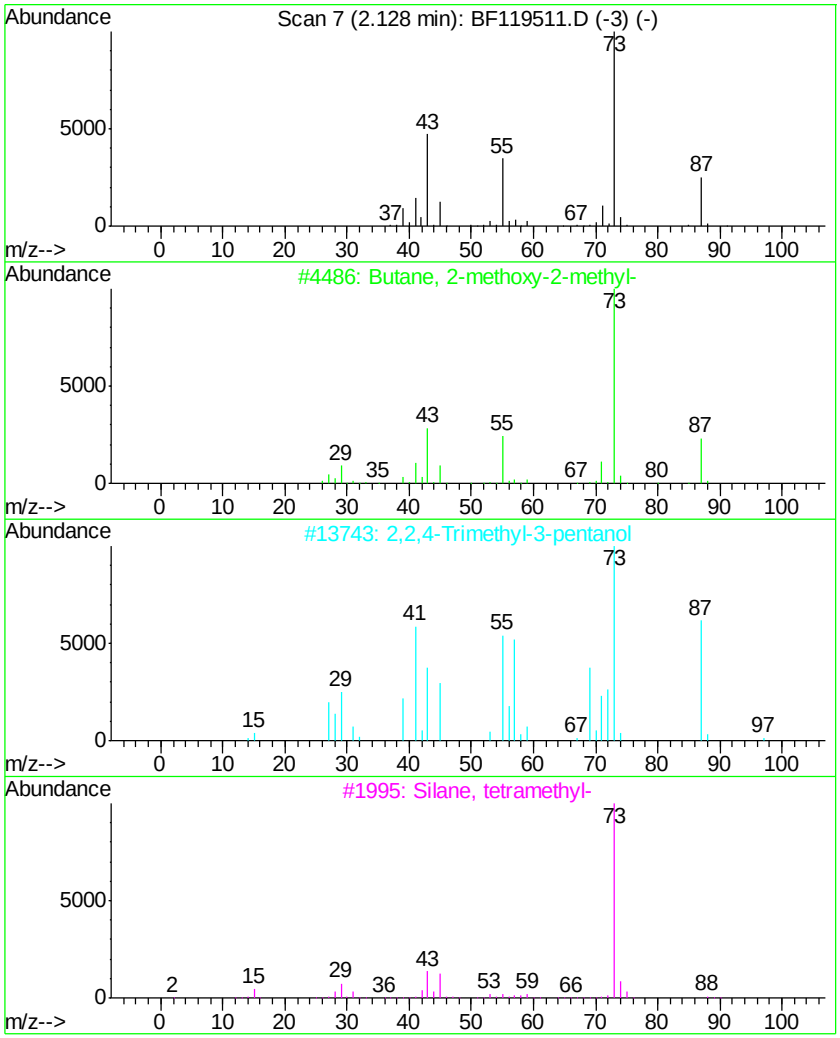
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

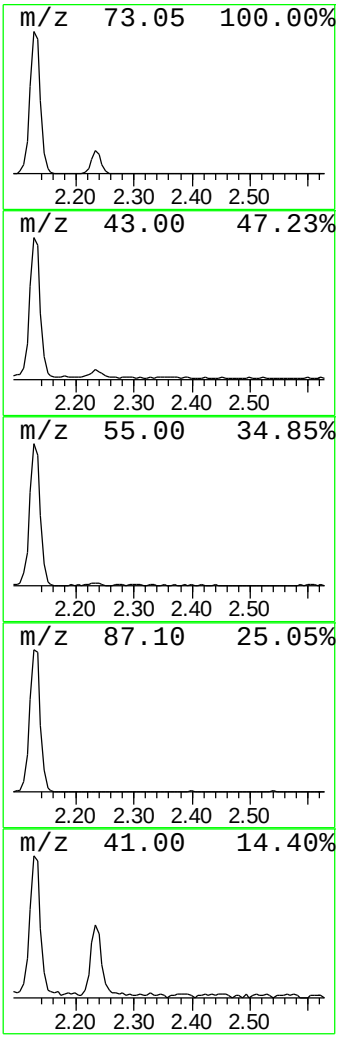
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.13	4.91 ng	521806	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	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
3	Silane, tetramethyl-	88	C4H12Si	000075-76-3	38
4	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	23
5	3-Pentanol, 2,4-dimethyl-	116	C7H16O	000600-36-2	12





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032520\
Data File : BF119511.D
Acq On : 25 Mar 2020 18:40
Operator : CG/JU
Sample : L2017-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FE-SB-29-(5.5-6)

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

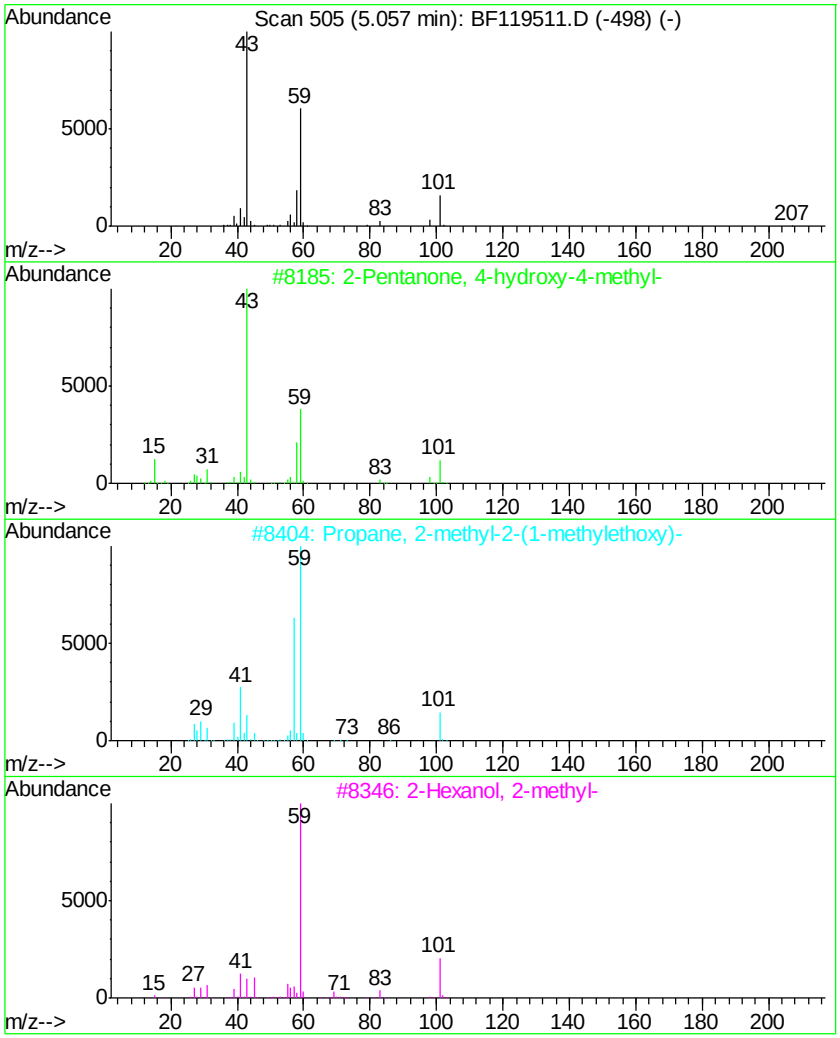
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

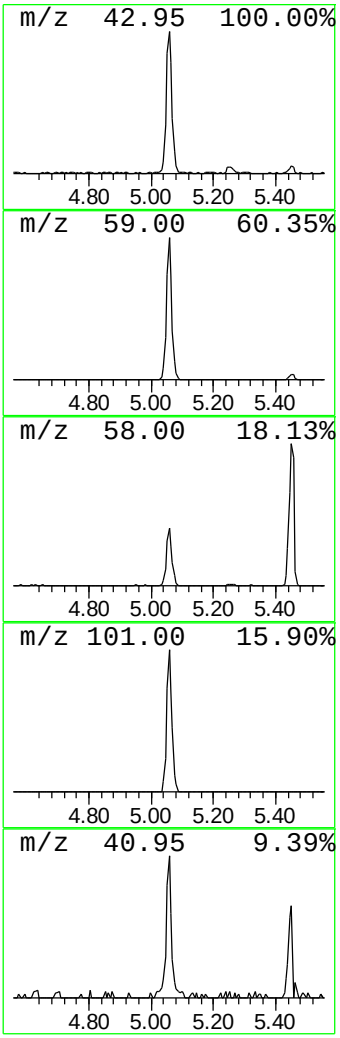
****

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.06	2.92 ng	310576	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	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	53
3	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	38
4	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
5	5-Hexen-2-one	98	C6H10O	000109-49-9	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032520\
Data File : BF119511.D
Acq On : 25 Mar 2020 18:40
Operator : CG/JU
Sample : L2017-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FE-SB-29-(5.5-6)

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

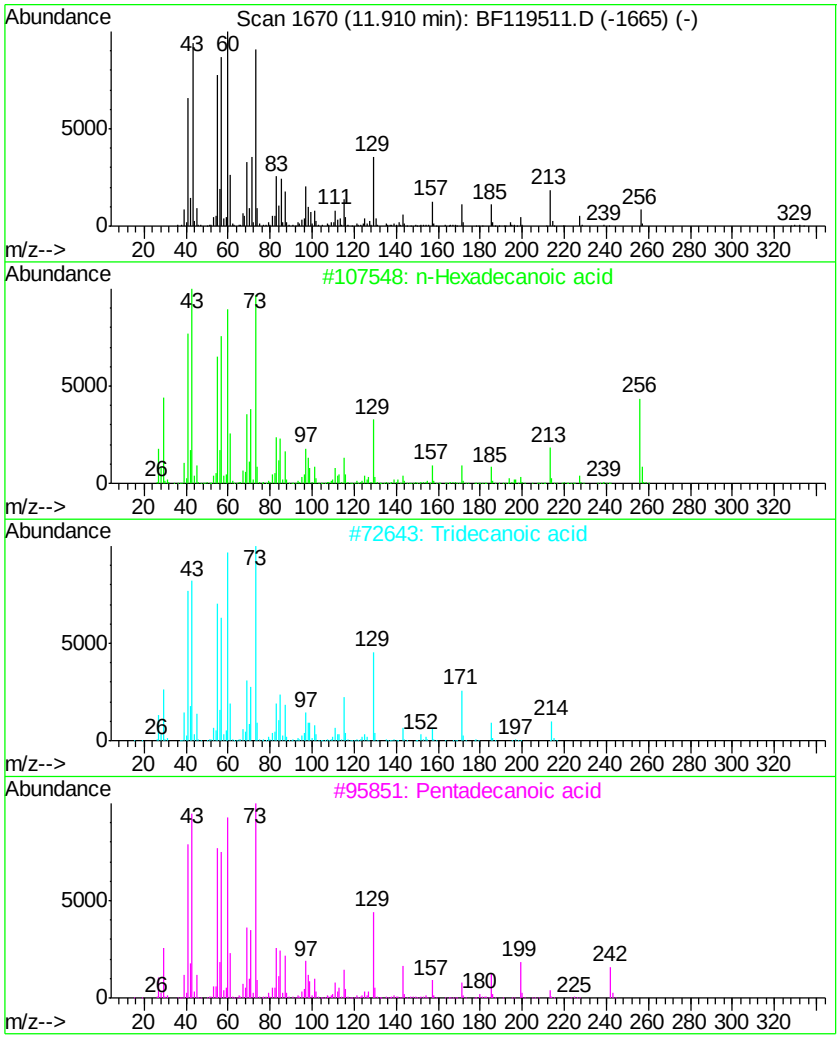
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

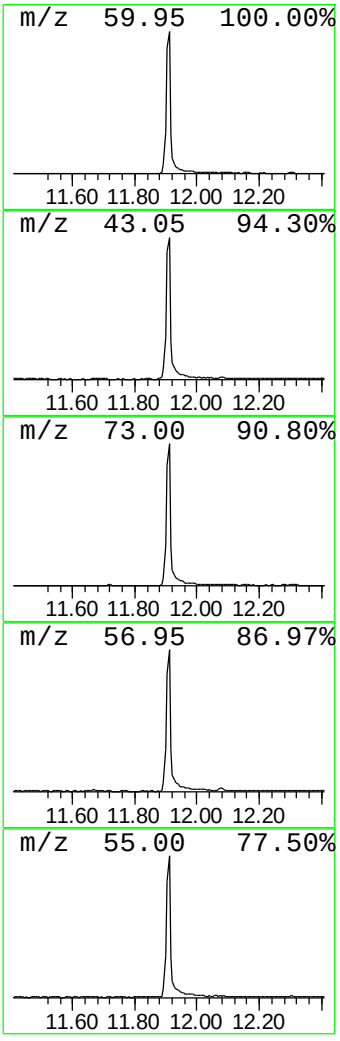
****

Peak Number 4 n-Hexadecanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.91	12.10 ng	2137950	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	95
2	Tridecanoic acid	214	C13H26O2	000638-53-9	94
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	90
4	Octadecanoic acid	284	C18H36O2	000057-11-4	87
5	Tetradecanoic acid	228	C14H28O2	000544-63-8	80





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032520\
Data File : BF119511.D
Acq On : 25 Mar 2020 18:40
Operator : CG/JU
Sample : L2017-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FE-SB-29-(5.5-6)

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

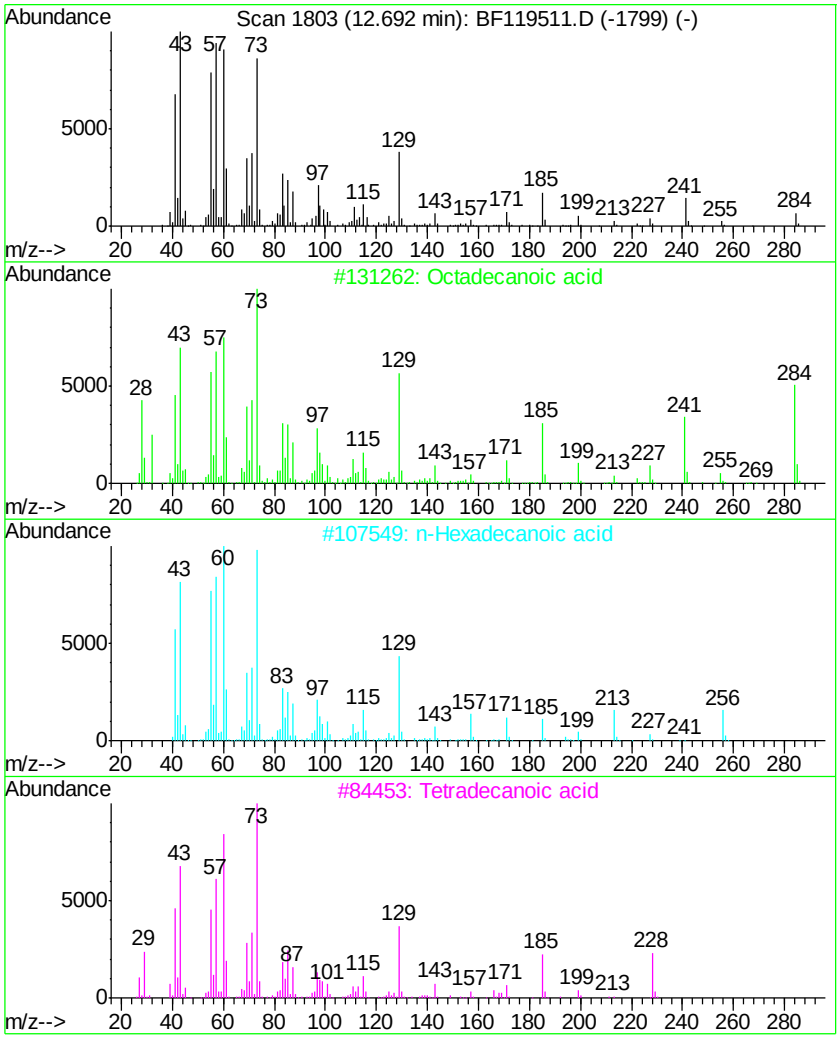
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

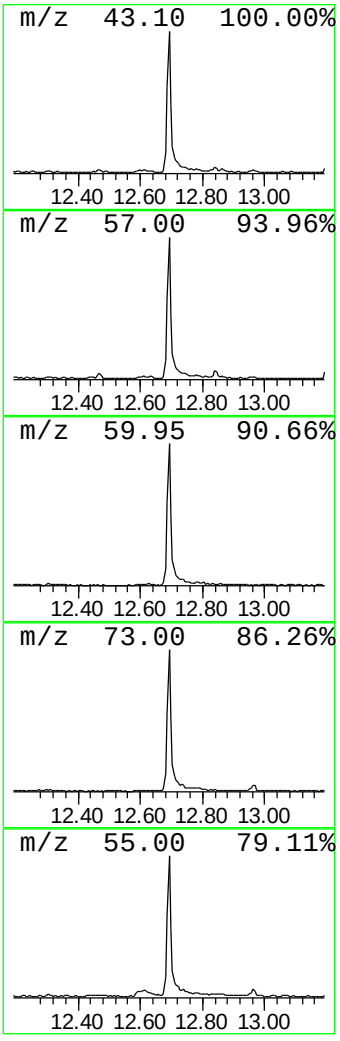
****

Peak Number 5 Octadecanoic acid Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.69	8.00 ng	1412900	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	98
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	83
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	74
4	Undecanoic acid	186	C11H22O2	000112-37-8	70
5	n-Decanoic acid	172	C10H20O2	000334-48-5	53





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032520\
Data File : BF119511.D
Acq On : 25 Mar 2020 18:40
Operator : CG/JU
Sample : L2017-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FE-SB-29-(5.5-6)

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

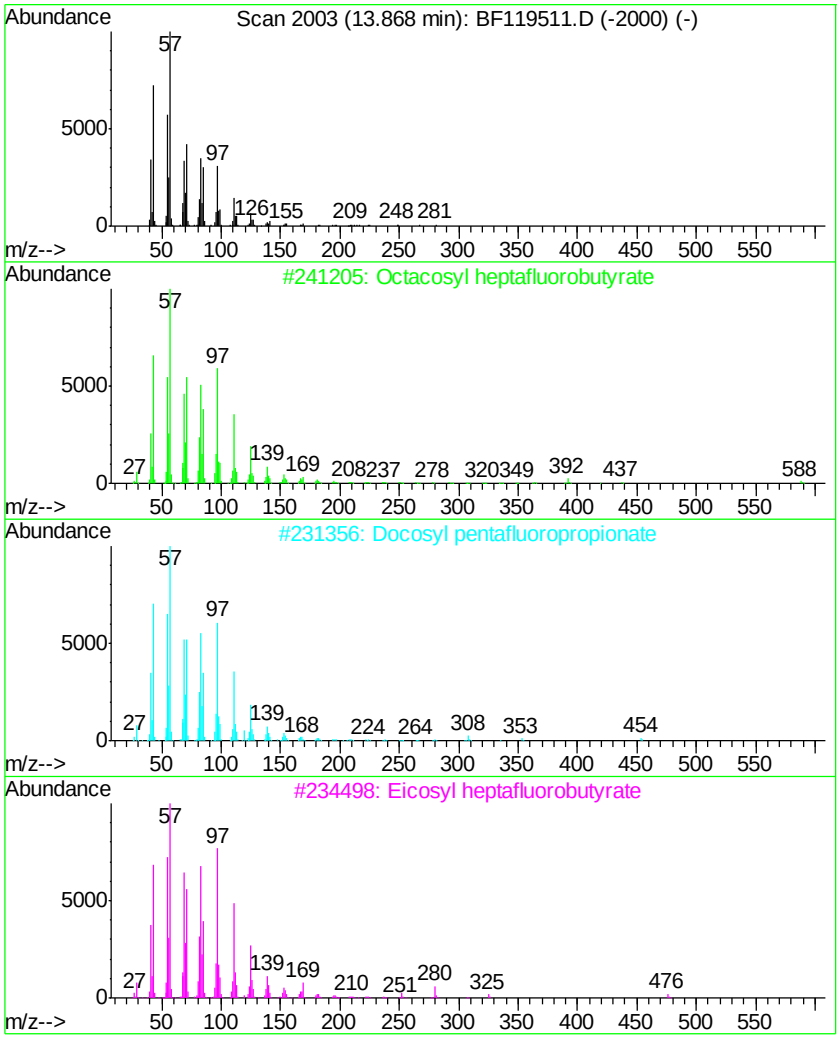
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

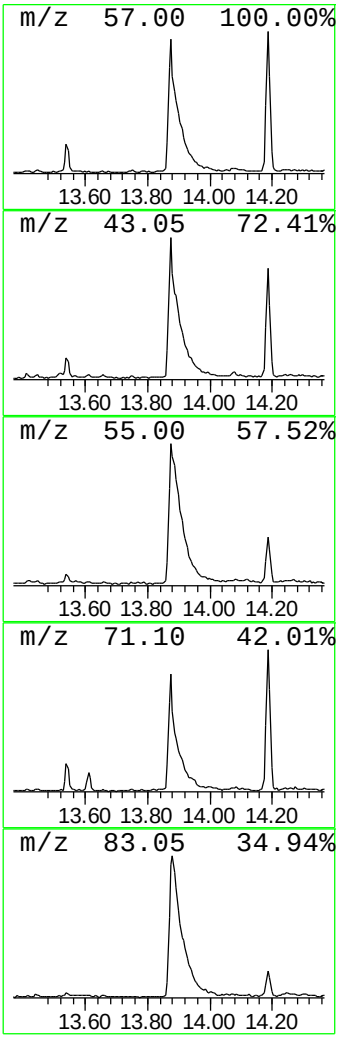
****

Peak Number 6 Octacosyl heptafluorobutyrate Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.87	13.49 ng	2058380	Chrysene-d12	14.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octacosyl heptafluorobutyrate	606	C32H57F7O2	1000351-83-6	91
2	Docosyl pentafluoropropionate	472	C25H45F5O2	1000351-80-9	91
3	Eicosyl heptafluorobutyrate	494	C24H41F7O2	1000351-83-5	91
4	Pentafluoropropionic acid, hepta...	402	C20H35F5O2	959218-78-1	91
5	Hexacosyl heptafluorobutyrate	578	C30H53F7O2	1000351-83-3	91





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032520\
Data File : BF119511.D
Acq On : 25 Mar 2020 18:40
Operator : CG/JU
Sample : L2017-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FE-SB-29-(5.5-6)

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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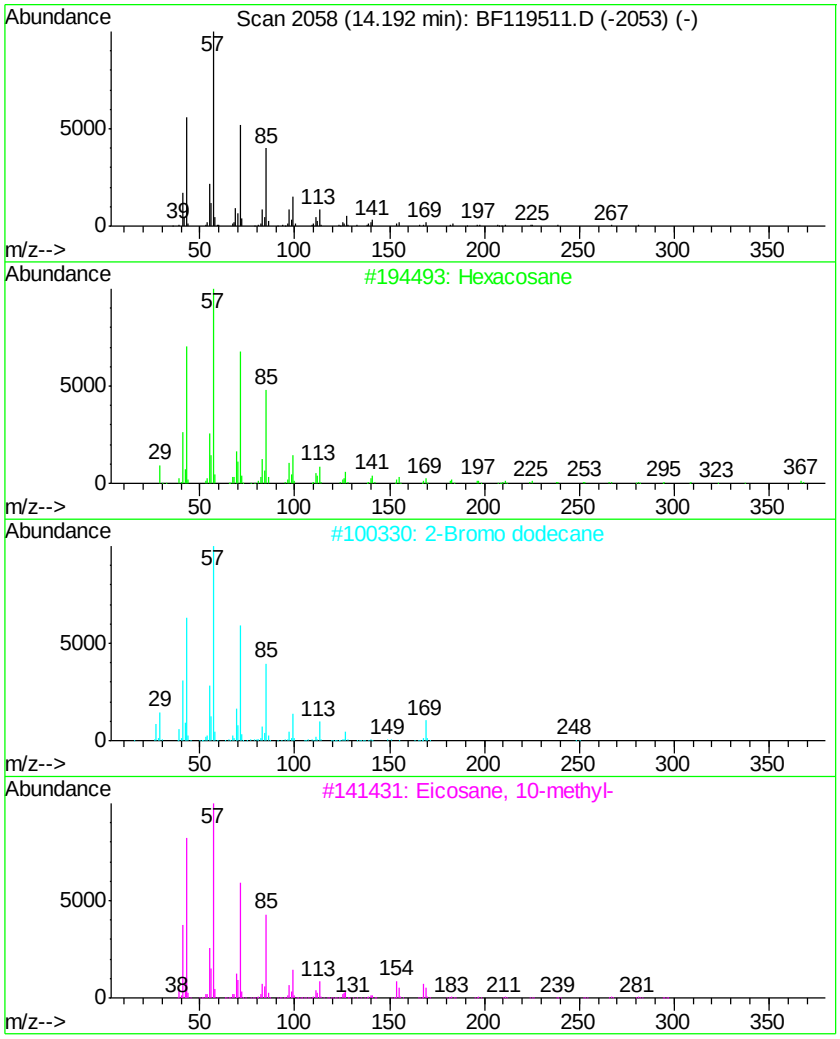
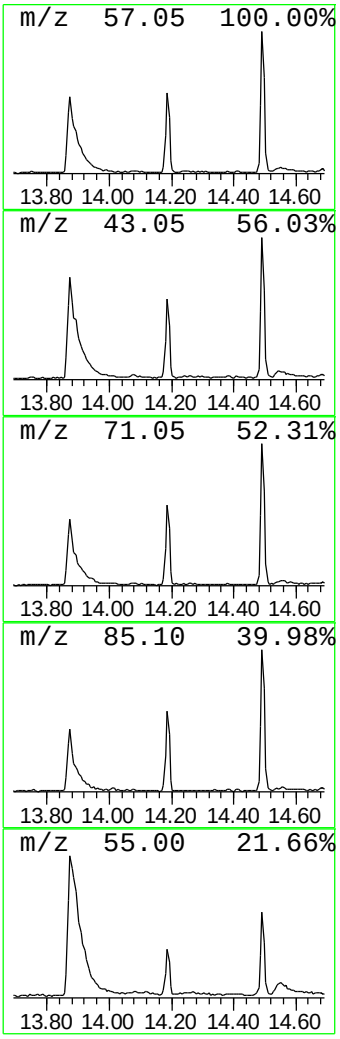
Peak Number 7 Hexacosane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.19	2.69 ng	410576	Chrysene-d12	14.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexacosane	366	C26H54	000630-01-3	91
2	2-Bromo dodecane	248	C12H25Br	013187-99-0	90
3	Eicosane, 10-methyl-	296	C21H44	054833-23-7	90
4	Pentacosane	352	C25H52	000629-99-2	90
5	Heneicosane	296	C21H44	000629-94-7	87





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032520\
Data File : BF119511.D
Acq On : 25 Mar 2020 18:40
Operator : CG/JU
Sample : L2017-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FE-SB-29-(5.5-6)

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

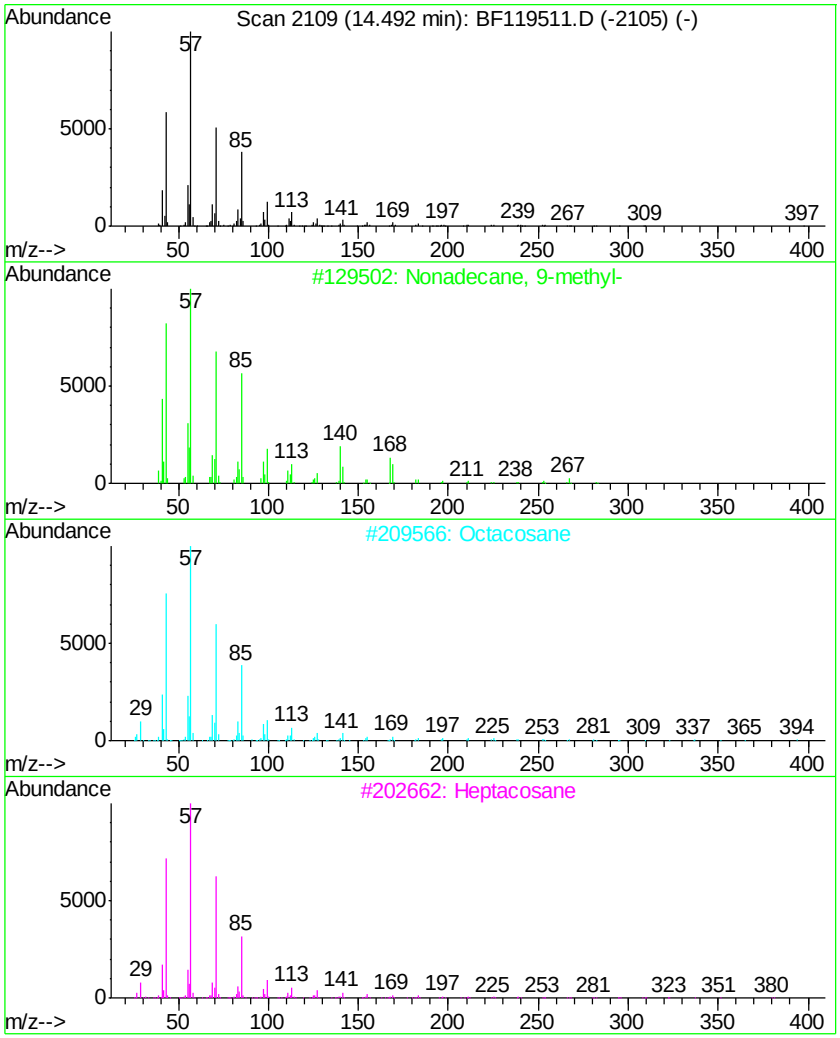
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

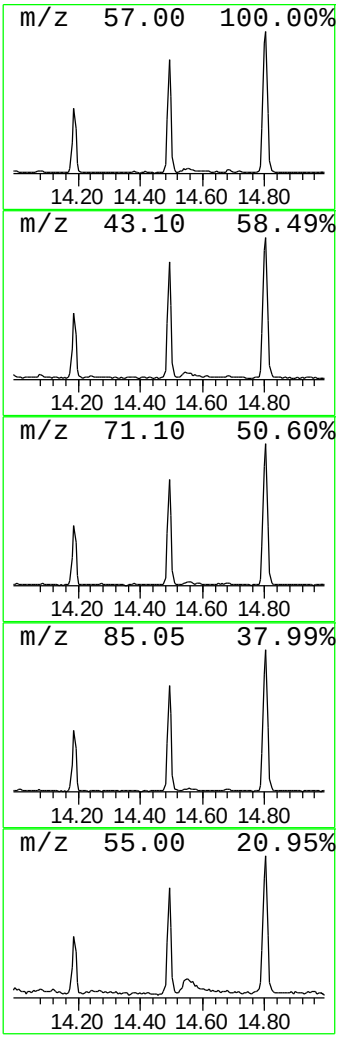
****

Peak Number 8 Nonadecane, 9-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.49	4.89 ng	746350	Chrysene-d12	14.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane, 9-methyl-	282	C20H42	013287-24-6	94
2	Octacosane	394	C28H58	000630-02-4	91
3	Heptacosane	380	C27H56	000593-49-7	91
4	Hexacosane	366	C26H54	000630-01-3	91
5	Hentriacontane	437	C31H64	000630-04-6	91





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032520\
Data File : BF119511.D
Acq On : 25 Mar 2020 18:40
Operator : CG/JU
Sample : L2017-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FE-SB-29-(5.5-6)

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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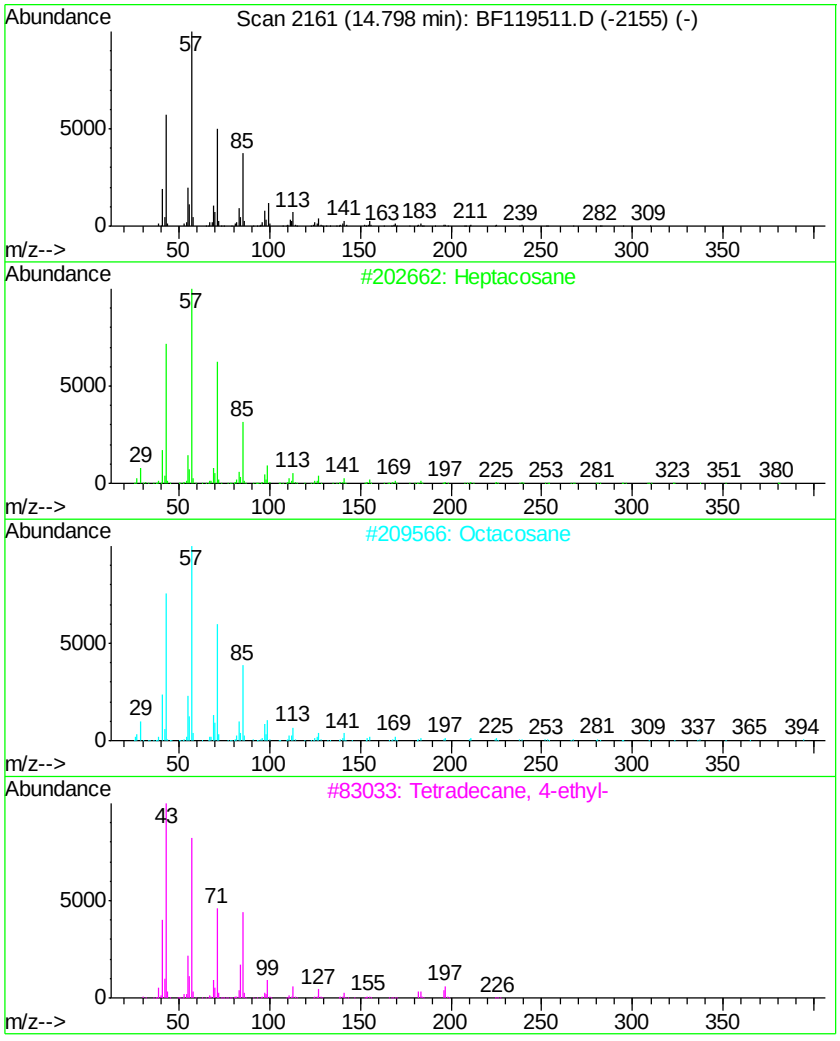
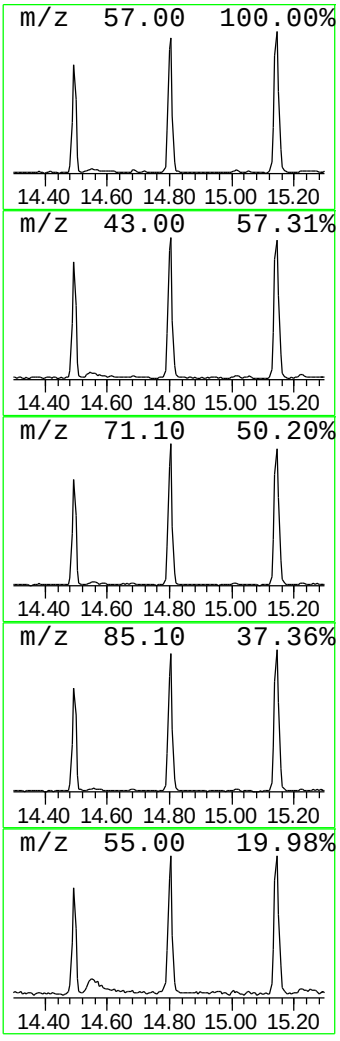
Peak Number 9 Heptacosane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.80	9.05 ng	1107210	Perylene-d12	15.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptacosane	380	C27H56	000593-49-7	91
2	Octacosane	394	C28H58	000630-02-4	91
3	Tetradecane, 4-ethyl-	226	C16H34	055045-14-2	91
4	Octadecane	254	C18H38	000593-45-3	91
5	Hexacosane	366	C26H54	000630-01-3	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032520\
Data File : BF119511.D
Acq On : 25 Mar 2020 18:40
Operator : CG/JU
Sample : L2017-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FE-SB-29-(5.5-6)

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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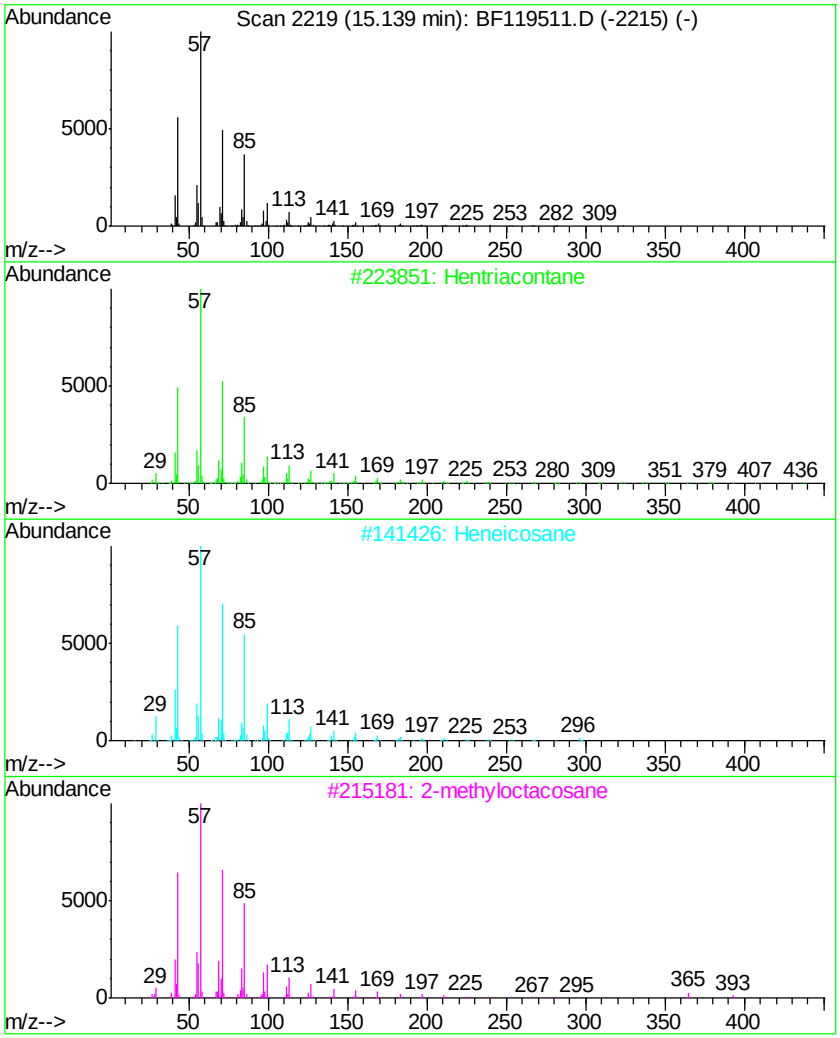
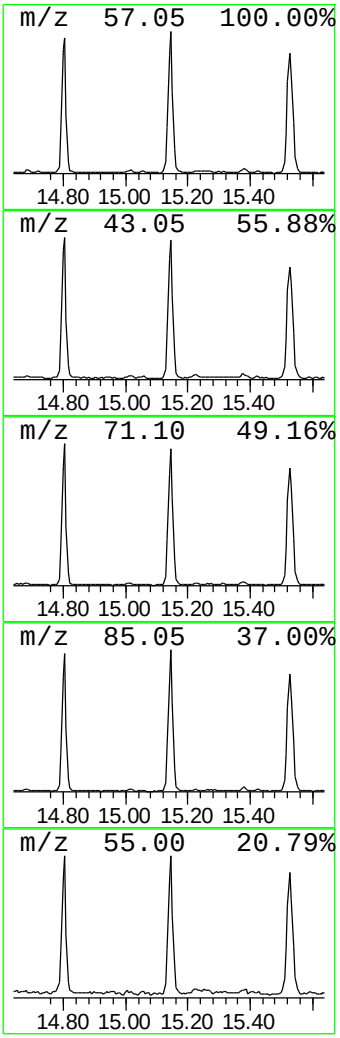
Peak Number 10 Hentriacontane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.14	9.87 ng	1208350	Perylene-d12	15.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hentriacontane	437	C31H64	000630-04-6	91
2	Heneicosane	296	C21H44	000629-94-7	90
3	2-methyloctacosane	408	C29H60	1000376-72-8	90
4	Octacosane	394	C28H58	000630-02-4	90
5	Tetradecane, 4-ethyl-	226	C16H34	055045-14-2	87





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Acq On : 25 Mar 2020 18:40
Operator : CG/JU
Sample : L2017-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FE-SB-29-(5.5-6)

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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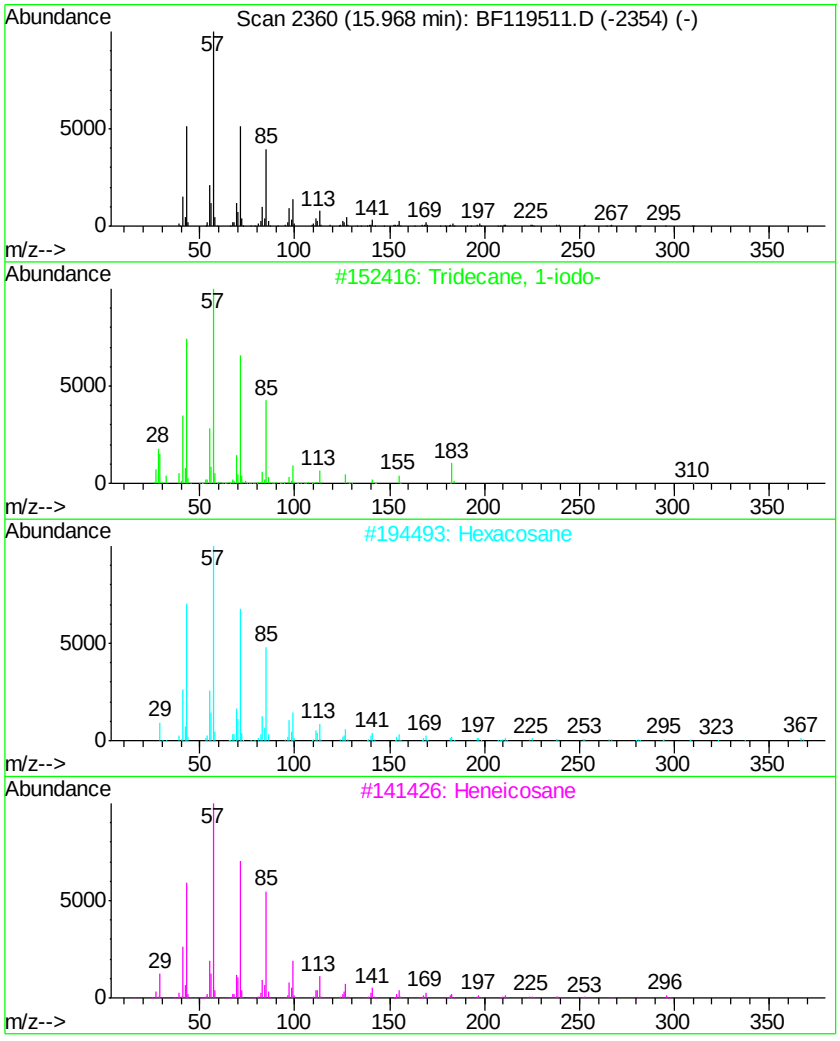
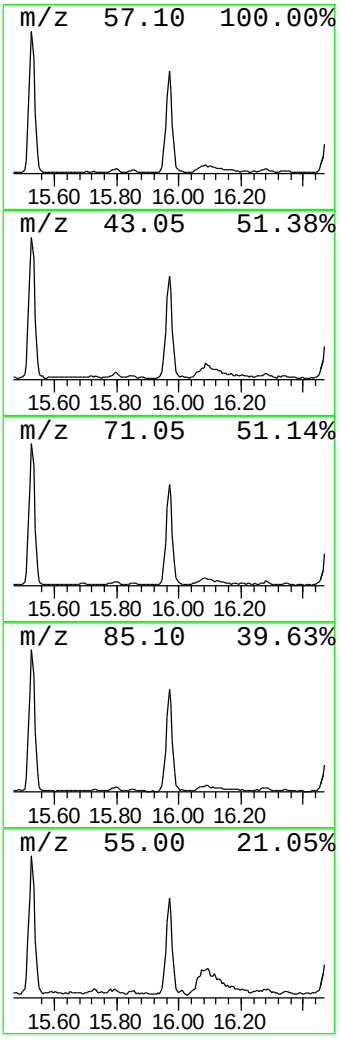
Peak Number 11 Tridecane, 1-iodo- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.97	8.02 ng	980942	Perylene-d12	15.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	90
2	Hexacosane	366	C26H54	000630-01-3	90
3	Heneicosane	296	C21H44	000629-94-7	90
4	2-methyloctacosane	408	C29H60	1000376-72-8	87
5	Octacosane	394	C28H58	000630-02-4	76





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Data File : BF119511.D
Acq On : 25 Mar 2020 18:40
Operator : CG/JU
Sample : L2017-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FE-SB-29-(5.5-6)

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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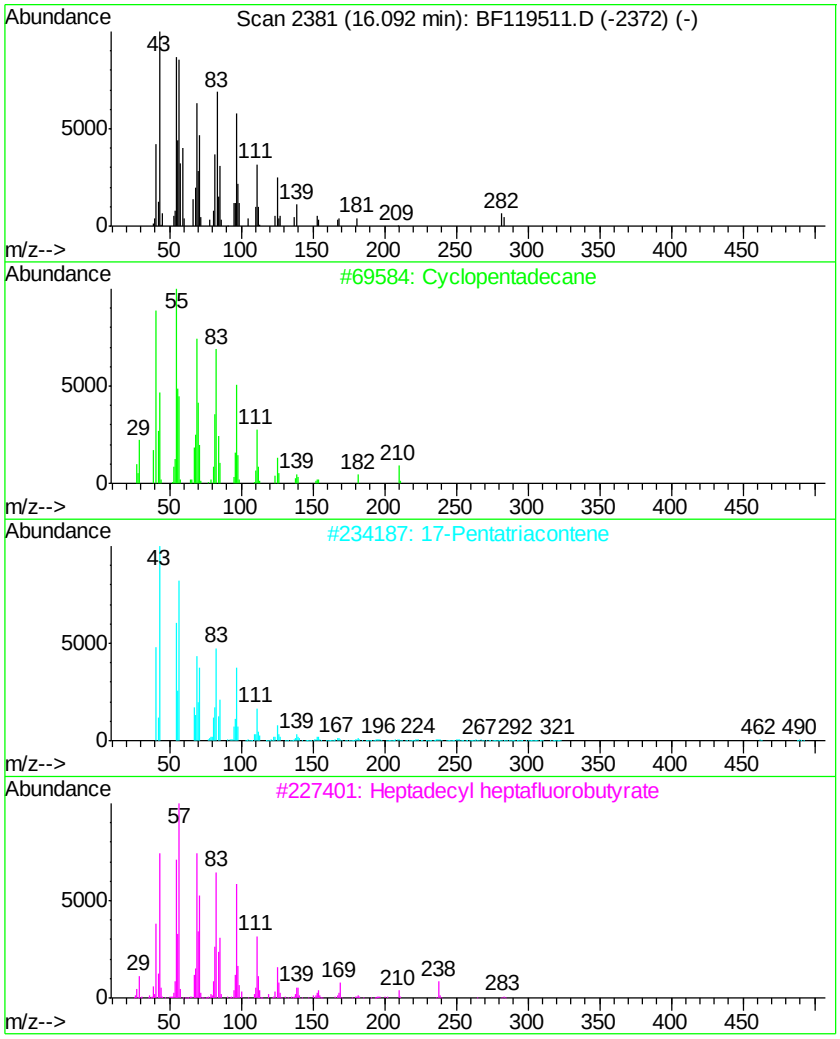
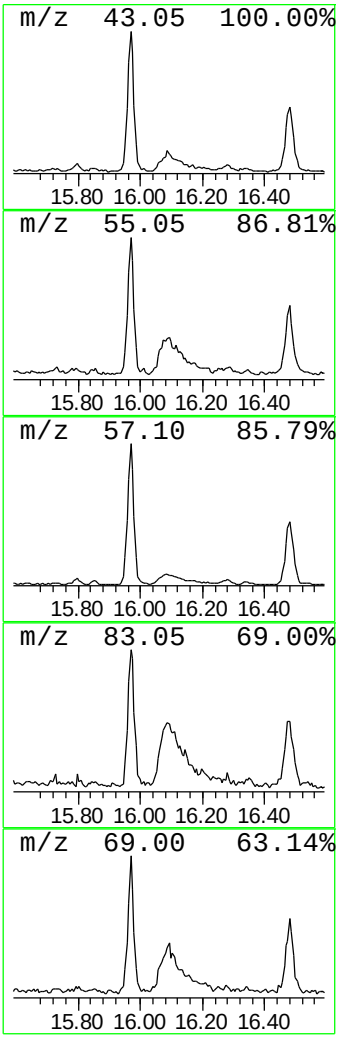
Peak Number 12 Cyclopentadecane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.09	3.36 ng	410995	Perylene-d12	15.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentadecane	210	C15H30	000295-48-7	91
2	17-Pentatriacontene	491	C35H70	006971-40-0	90
3	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	81
4	Pentafluoropropionic acid, hepta...	402	C20H35F5O2	959218-78-1	81
5	Heptafluorobutyric acid, n-octad...	466	C22H37F7O2	000400-57-7	81





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032520\
Data File : BF119511.D
Acq On : 25 Mar 2020 18:40
Operator : CG/JU
Sample : L2017-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FE-SB-29-(5.5-6)

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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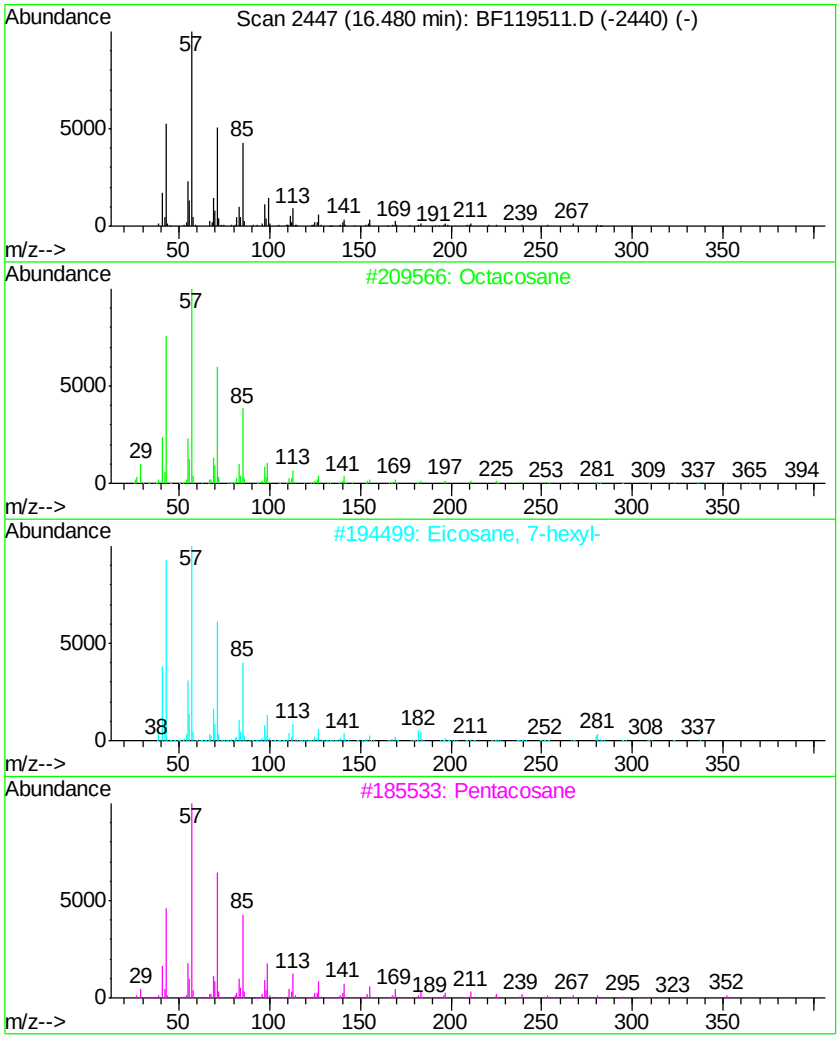
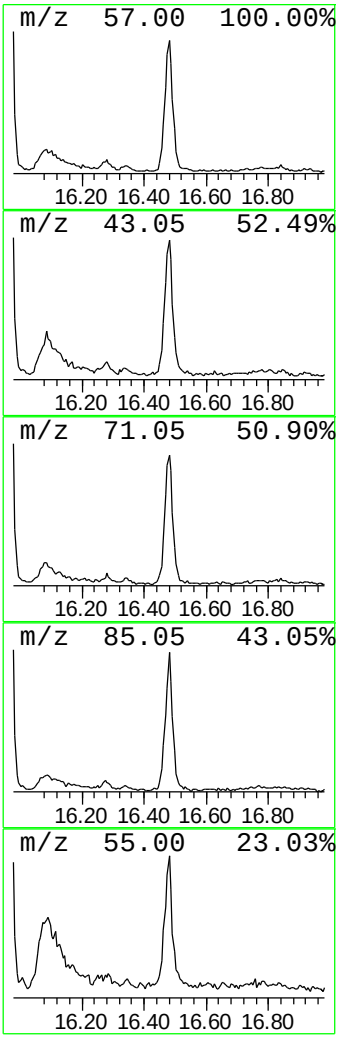
Peak Number 13 Octacosane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.48	5.13 ng	627229	Perylene-d12	15.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octacosane	394	C28H58	000630-02-4	91
2	Eicosane, 7-hexyl-	366	C26H54	055333-99-8	91
3	Pentacosane	352	C25H52	000629-99-2	90
4	Eicosane	282	C20H42	000112-95-8	87
5	Sulfurous acid, butyl undecyl ester	292	C15H32O3S	1000309-17-8	86





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032520\
Data File : BF119511.D
Acq On : 25 Mar 2020 18:40
Operator : CG/JU
Sample : L2017-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FE-SB-29-(5.5-6)

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...	2.13	4.9	ng	521806	1	6.84	2127480	20.0
2-Pentanone, 4-hy...	5.06	2.9	ng	310576	1	6.84	2127480	20.0
n-Hexadecanoic acid	11.91	12.1	ng	2137950	4	11.37	3532810	20.0
Octadecanoic acid	12.69	8.0	ng	1412900	4	11.37	3532810	20.0
Octacosyl heptafl...	13.87	13.5	ng	2058380	5	14.02	3051370	20.0
Hexacosane	14.19	2.7	ng	410576	5	14.02	3051370	20.0
Nonadecane, 9-met...	14.49	4.9	ng	746350	5	14.02	3051370	20.0
Heptacosane	14.80	9.1	ng	1107210	6	15.48	2447400	20.0
Hentriacontane	15.14	9.9	ng	1208350	6	15.48	2447400	20.0
Tridecane, 1-iodo-	15.97	8.0	ng	980942	6	15.48	2447400	20.0
Cyclopentadecane	16.09	3.4	ng	410995	6	15.48	2447400	20.0
Octacosane	16.48	5.1	ng	627229	6	15.48	2447400	20.0