LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060719\
Data File : BF114897.D
Acq On : 7 Jun 2019 14:53
Operator : HP/JU
Sample : K3218-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RBR-200027

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-BF060419.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	4.857	464	471	478	rVB	93306	136416	1.88%	0.203%
2	5.269	535	541	544	rBV	6047997	6459915	89.12%	9.618%
3	6.304	711	717	720	rBV	5956345	6562713	90.54%	9.771%
4	6.428	733	738	742	rBV	6537486	6869670	94.77%	10.228%
5	6.657	774	777	781	rBV	1960941	1522761	21.01%	2.267%
6	6.816	800	804	807	rBV	6377924	5380918	74.23%	8.012%
7	7.222	867	873	876	rBV	4511185	4320528	59.61%	6.433%
8	7.939	991	995	998	rBV	2198256	1934987	26.69%	2.881%
9	9.016	1173	1178	1181	rBV	7939532	7248548	100.00%	10.793%
10	9.404	1240	1244	1247	rBV	1128242	949803	13.10%	1.414%
11	9.539	1263	1267	1273	rBV	88637	159864	2.21%	0.238%
12	9.592	1273	1276	1282	rVB	77344	113778	1.57%	0.169%
13	9.681	1287	1291	1295	rBV	2318455	2221187	30.64%	3.307%
14	10.469	1420	1425	1428	rBV	5090087	4925885	67.96%	7.334%
15	11.157	1538	1542	1545	rBV	2827641	2322963	32.05%	3.459%
16	11.704	1629	1635	1643	rBV	804022	907372	12.52%	1.351%
17	12.357	1743	1746	1750	rVB	152333	134428	1.85%	0.200%
18	12.486	1765	1768	1780	rBV	287238	399570	5.51%	0.595%
19	12.580	1780	1784	1788	rVV	163366	168751	2.33%	0.251%
20	12.739	1807	1811	1815	rBV	6951615	6920037	95.47%	10.303%
21	13.651	1963	1966	1977	rVB	655064	730138	10.07%	1.087%
22	13.786	1985	1989	1992	rBV	2054929	1855397	25.60%	2.763%
23	13.986	2020	2023	2027	rBV	178664	175166	2.42%	0.261%
24	14.310	2074	2078	2088	rVB	309837	322013	4.44%	0.479%
25	14.504	2103	2111	2114	rBV3	166651	413671	5.71%	0.616%
26	14.621	2128	2131	2137	rVB	367798	347748	4.80%	0.518%
27	14.933	2180	2184	2193	rBV	372922	452209	6.24%	0.673%
28	15.151	2218	2221	2227	rBV5	92378	193533	2.67%	0.288%
29	15.210	2227	2231	2238	rVV	1521013	1861061	25.67%	2.771%
30	15.280	2239	2243	2250	rVB	342159	411286	5.67%	0.612%
31	15.674	2305	2310	2313	rBV	259725	359646	4.96%	0.535%
32	15.715	2313	2317	2324	rVB5	75131	141983	1.96%	0.211%
33	16.127	2382	2387	2392	rVB	152151	238766	3.29%	0.356%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060719\
Data File : BF114897.D
Acq On : 7 Jun 2019 14:53
Operator : HP/JU
Sample : K3218-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RBR-200027

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-BF060419.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Sum of corrected areas: 67162711

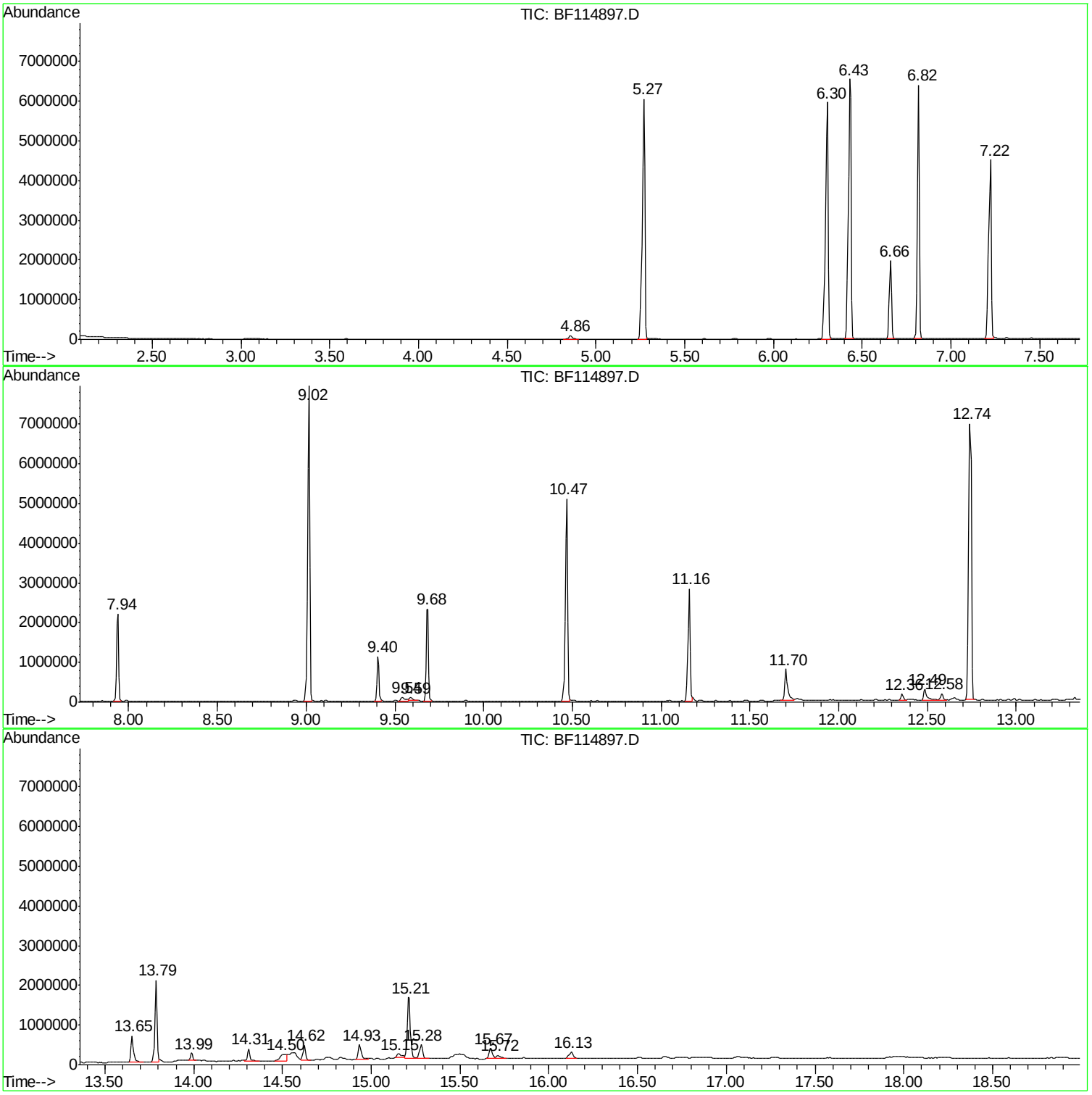
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060719\
Data File : BF114897.D
Acq On : 7 Jun 2019 14:53
Operator : HP/JU
Sample : K3218-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RBR-200027

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060419.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\BF060719\
Data File : BF114897.D
Acq On : 7 Jun 2019 14:53
Operator : HP/JU
Sample : K3218-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RBR-200027

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060419.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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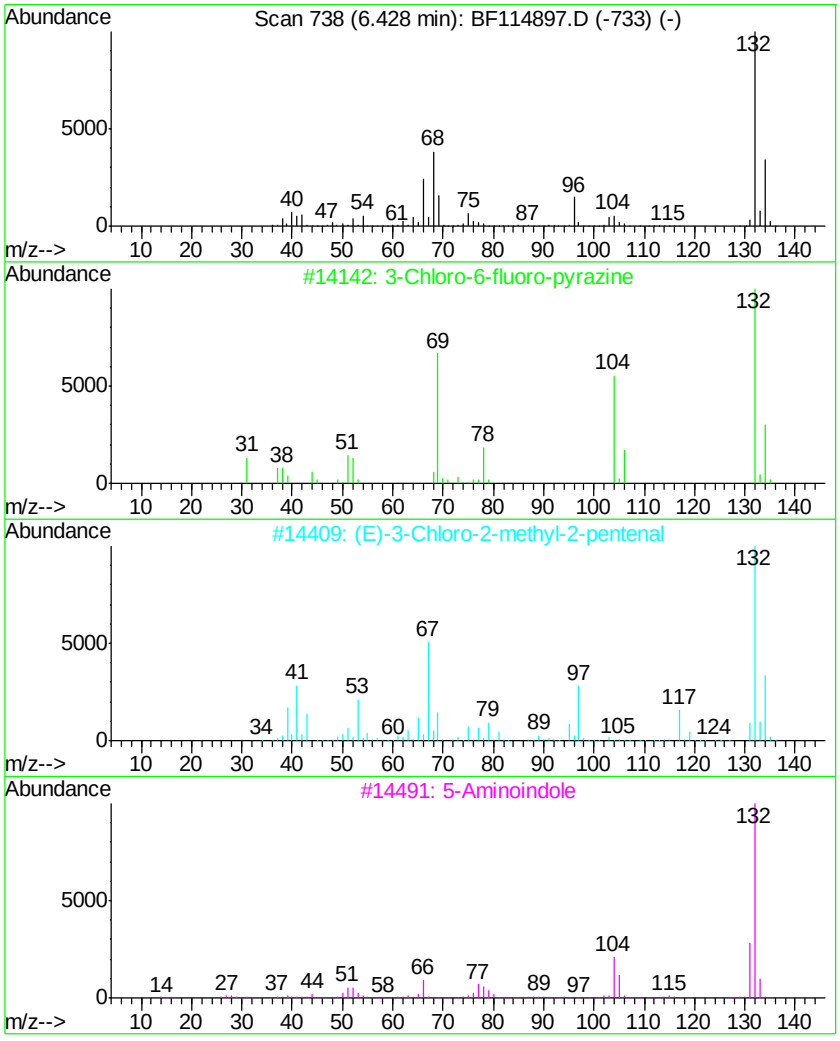
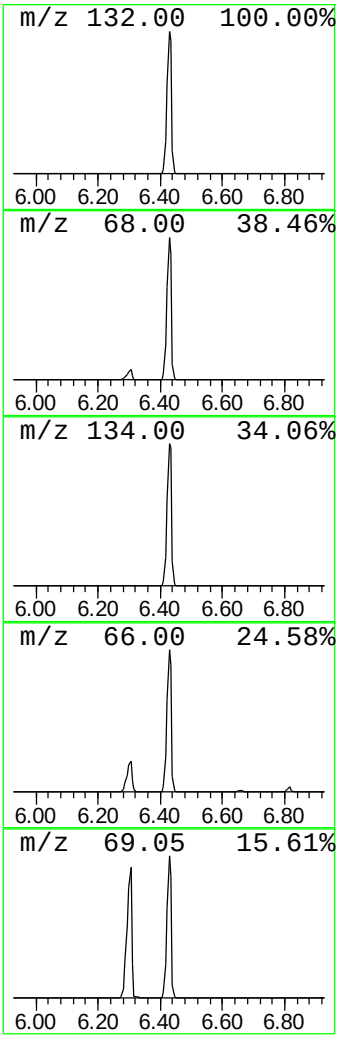
Peak Number 1 unknown6.43 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.43	90.23 ng	6869670	1,4-Dichlorobenzene-d4	6.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3	5-Aminoindole	132	C8H8N2	005192-03-0	12
4	1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9
5	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060719\
Data File : BF114897.D
Acq On : 7 Jun 2019 14:53
Operator : HP/JU
Sample : K3218-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RBR-200027

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060419.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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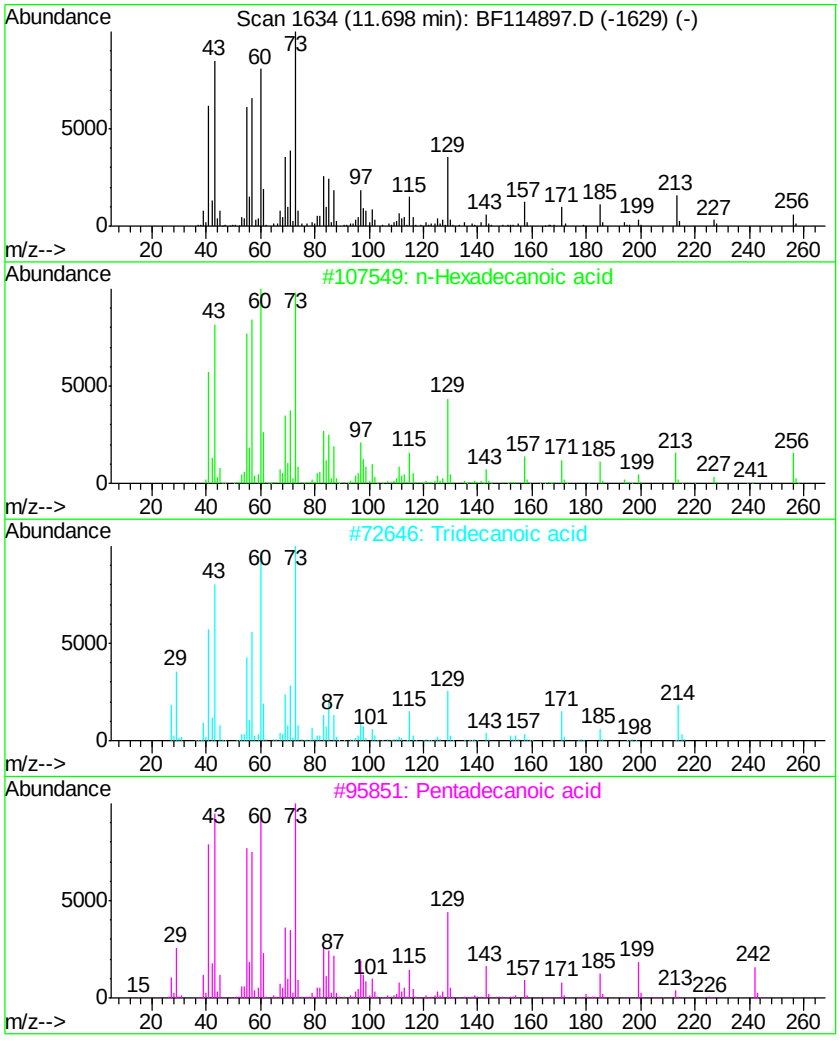
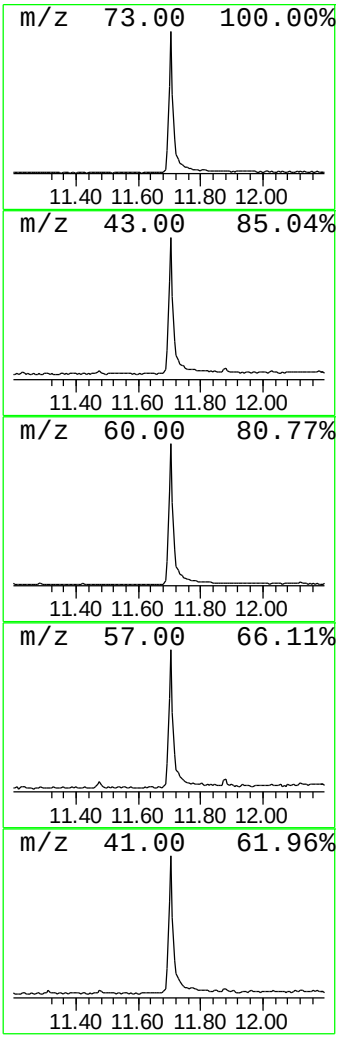
Peak Number 3 n-Hexadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.70	7.81 ng	907372	Phenanthrene-d10	11.16

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	89
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	81
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	72
5	n-Decanoic acid	172	C10H20O2	000334-48-5	64





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060719\
Data File : BF114897.D
Acq On : 7 Jun 2019 14:53
Operator : HP/JU
Sample : K3218-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RBR-200027

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060419.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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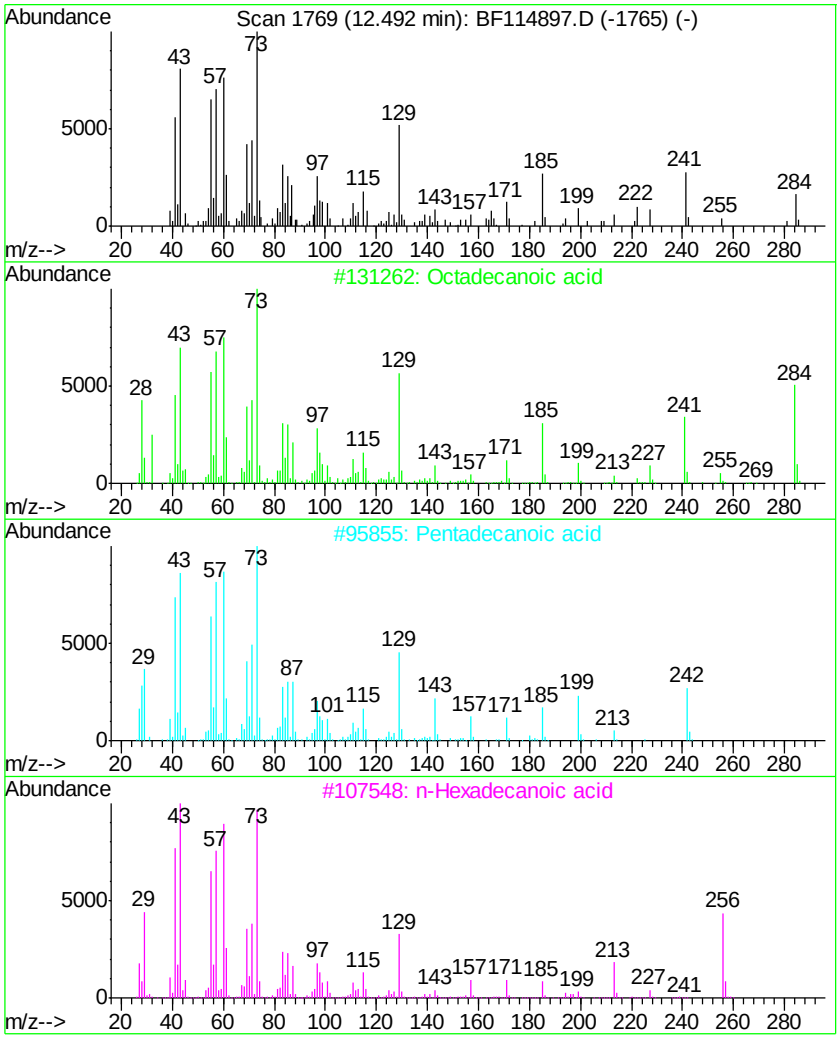
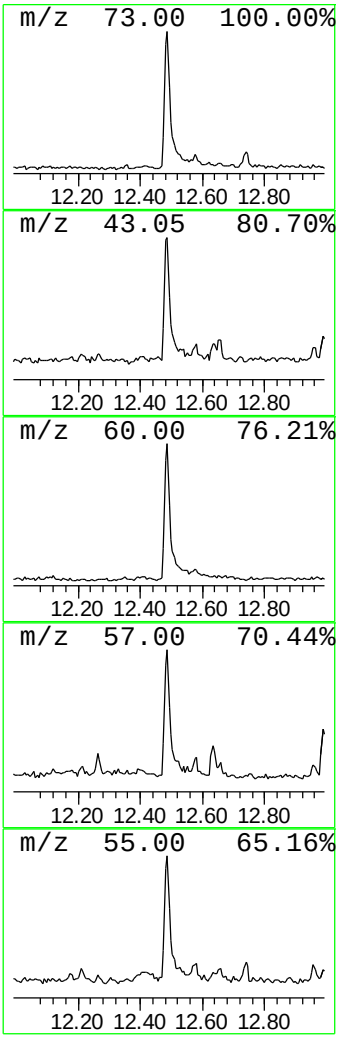
Peak Number 4 Octadecanoic acid Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.49	4.31 ng	399570	Chrysene-d12	13.79

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	90
4	n-Decanoic acid	172	C10H20O2	000334-48-5	86
5	Tetradecanoic acid	228	C14H28O2	000544-63-8	83





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060719\
Data File : BF114897.D
Acq On : 7 Jun 2019 14:53
Operator : HP/JU
Sample : K3218-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RBR-200027

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060419.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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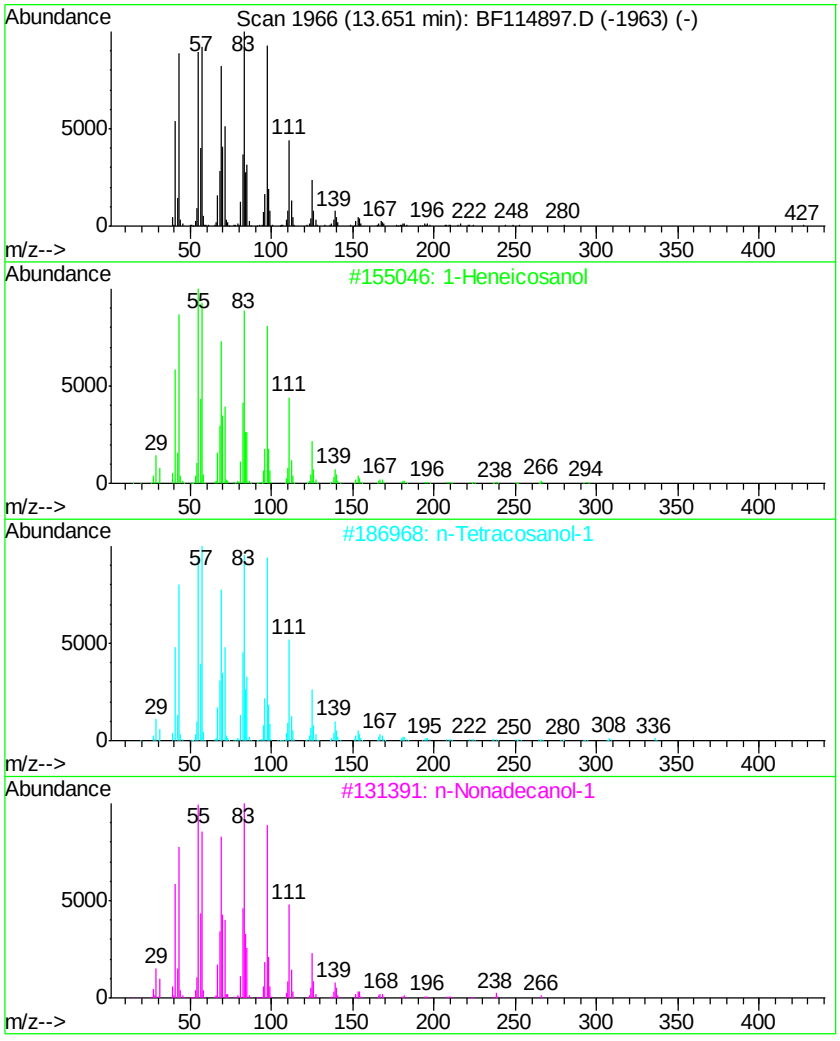
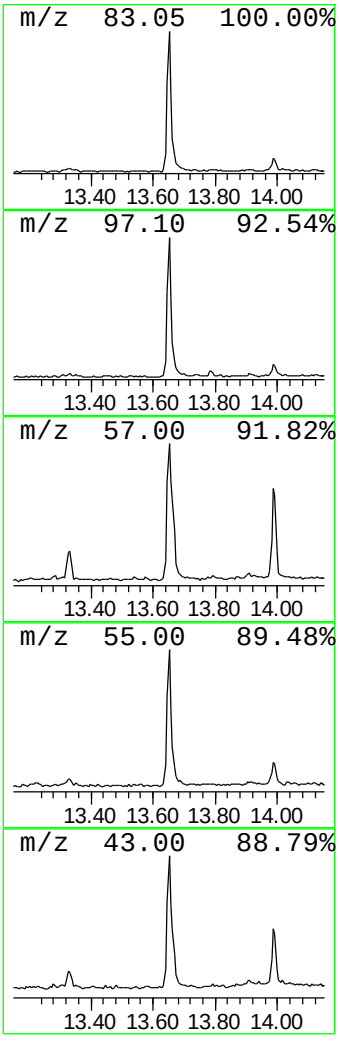
Peak Number 5 1-Heneicosanol Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.65	7.87 ng	730138	Chrysene-d12	13.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Heneicosanol	312	C21H44O	015594-90-8	95
2	n-Tetracosanol-1	354	C24H50O	000506-51-4	95
3	n-Nonadecanol-1	284	C19H40O	001454-84-8	95
4	1-Nonadecene	266	C19H38	018435-45-5	94
5	Behenic alcohol	326	C22H46O	000661-19-8	94





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060719\
Data File : BF114897.D
Acq On : 7 Jun 2019 14:53
Operator : HP/JU
Sample : K3218-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RBR-200027

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060419.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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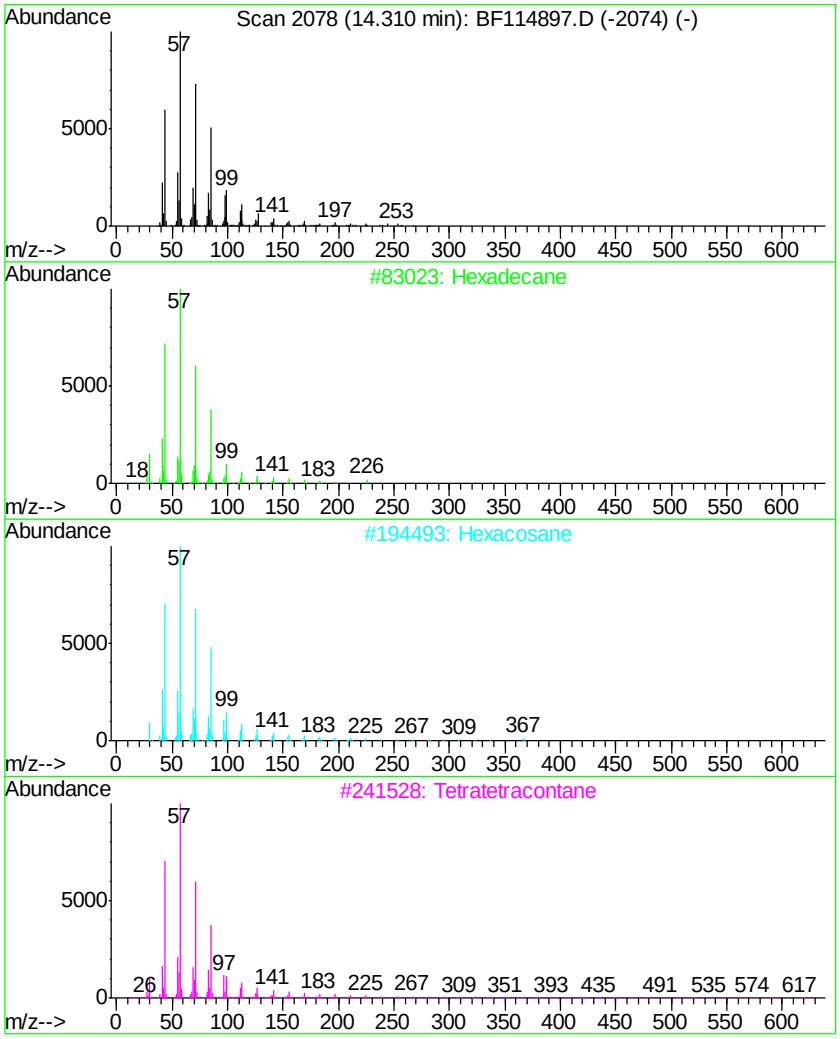
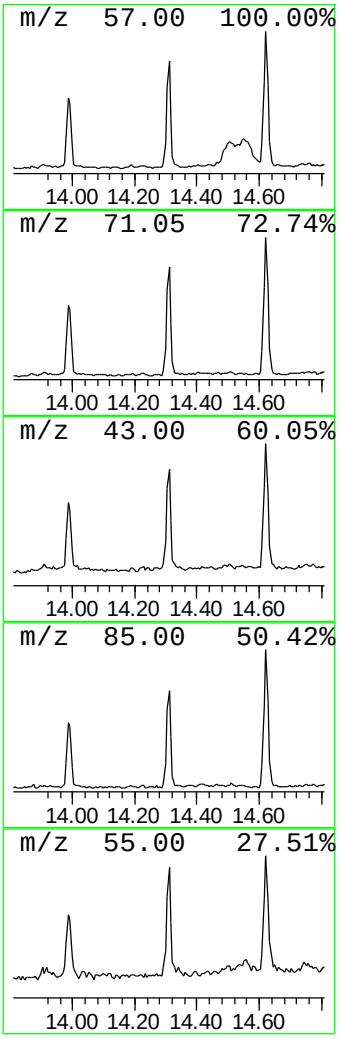
Peak Number 6 Hexadecane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.31	3.47 ng	322013	Chrysene-d12	13.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	93
2	Hexacosane	366	C26H54	000630-01-3	91
3	Tetratetracontane	619	C44H90	007098-22-8	91
4	Octacosane	394	C28H58	000630-02-4	91
5	2-methyloctacosane	408	C29H60	1000376-72-8	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060719\
Data File : BF114897.D
Acq On : 7 Jun 2019 14:53
Operator : HP/JU
Sample : K3218-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RBR-200027

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060419.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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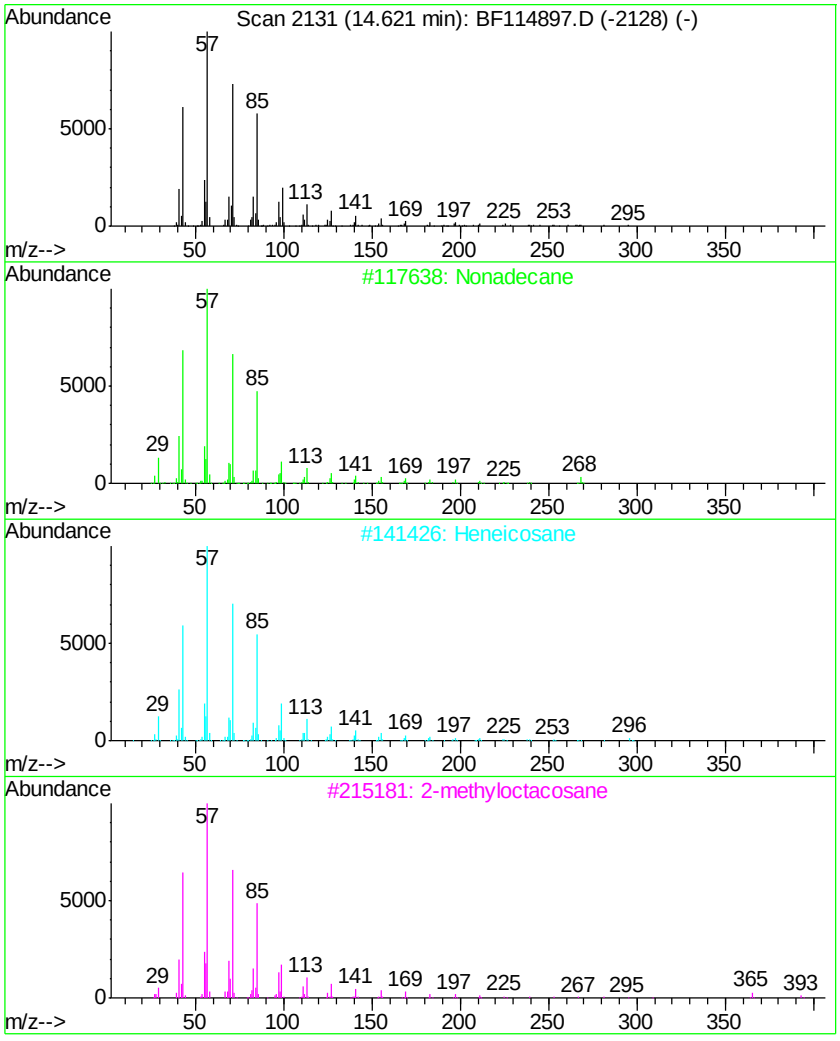
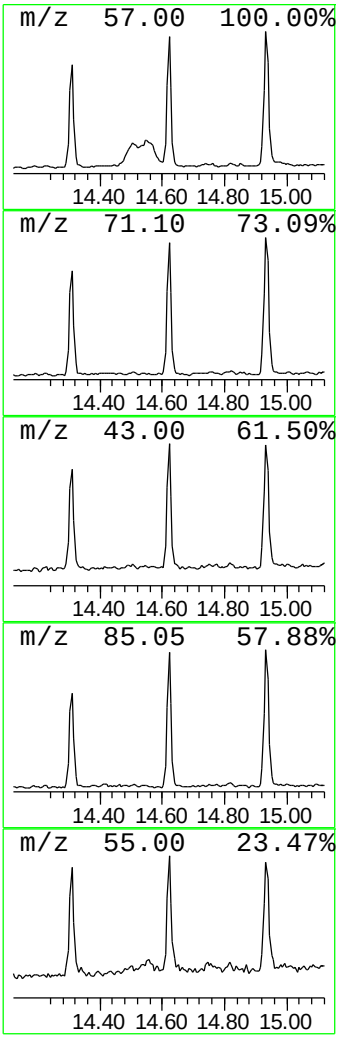
Peak Number 8 Nonadecane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.62	3.74 ng	347748	Perylene-d12	15.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	94
2	Heneicosane	296	C21H44	000629-94-7	91
3	2-methyloctacosane	408	C29H60	1000376-72-8	91
4	Octadecane	254	C18H38	000593-45-3	90
5	Octacosane	394	C28H58	000630-02-4	90





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060719\
Data File : BF114897.D
Acq On : 7 Jun 2019 14:53
Operator : HP/JU
Sample : K3218-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RBR-200027

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060419.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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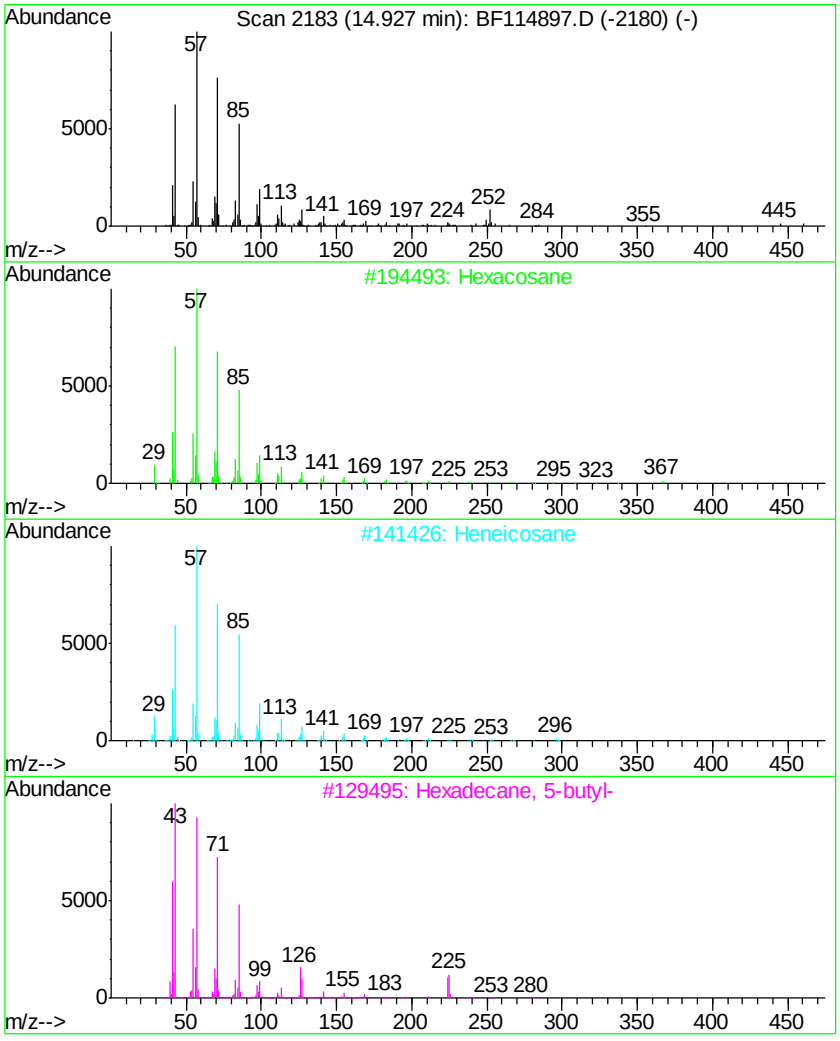
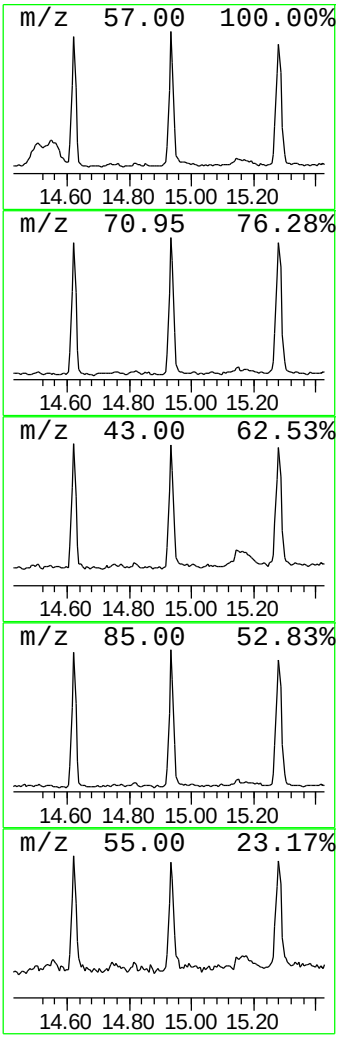
Peak Number 9 Heneicosane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.93	4.86 ng	452209	Perylene-d12	15.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexacosane	366	C26H54	000630-01-3	90
2	Heneicosane	296	C21H44	000629-94-7	90
3	Hexadecane, 5-butyl-	282	C20H42	006912-07-8	90
4	Triacontane	422	C30H62	000638-68-6	87
5	Tetracosane	338	C24H50	000646-31-1	87





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060719\
Data File : BF114897.D
Acq On : 7 Jun 2019 14:53
Operator : HP/JU
Sample : K3218-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RBR-200027

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060419.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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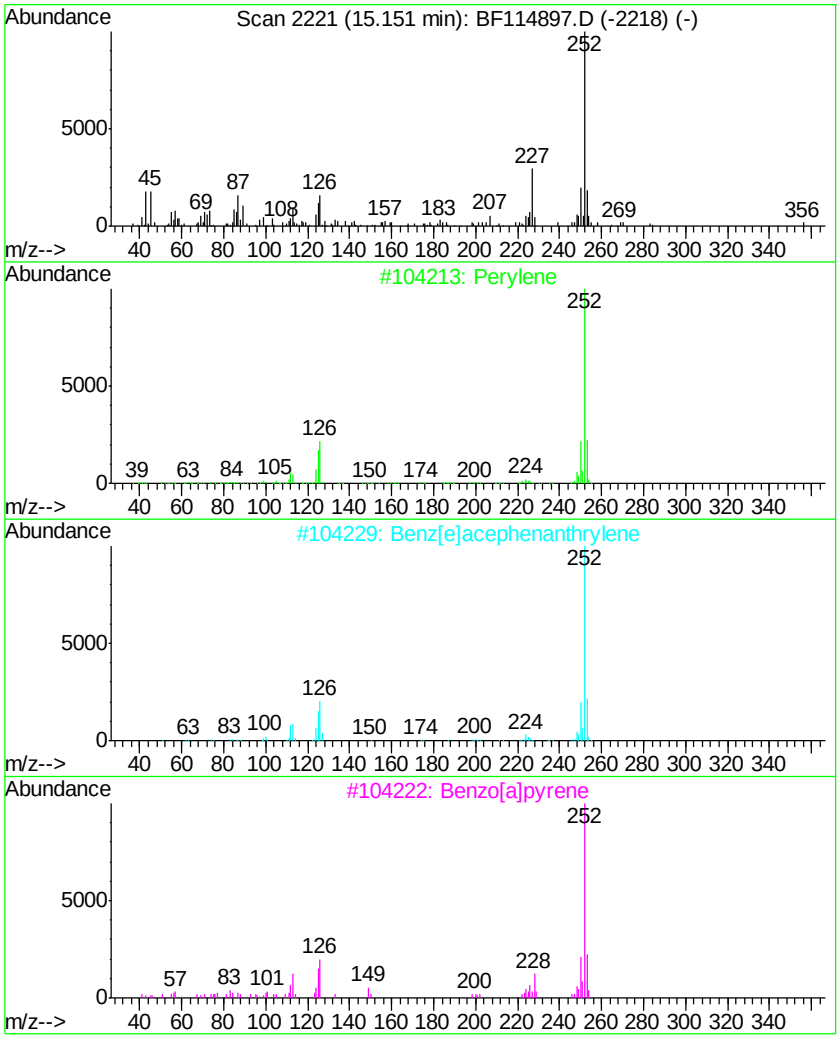
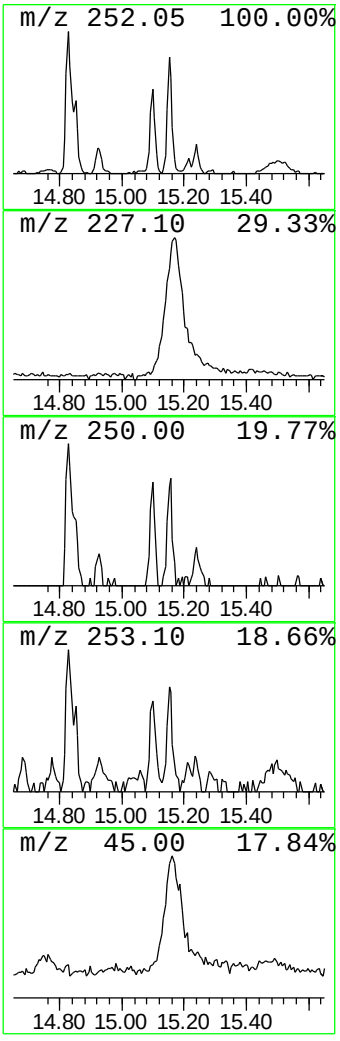
Peak Number 10 Perylene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.15	2.08 ng	193533	Perylene-d12	15.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene	252	C20H12	000198-55-0	92
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	86
3	Benzo[a]pyrene	252	C20H12	000050-32-8	86
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	70
5	Benzo[e]pyrene	252	C20H12	000192-97-2	70





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060719\
Data File : BF114897.D
Acq On : 7 Jun 2019 14:53
Operator : HP/JU
Sample : K3218-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RBR-200027

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060419.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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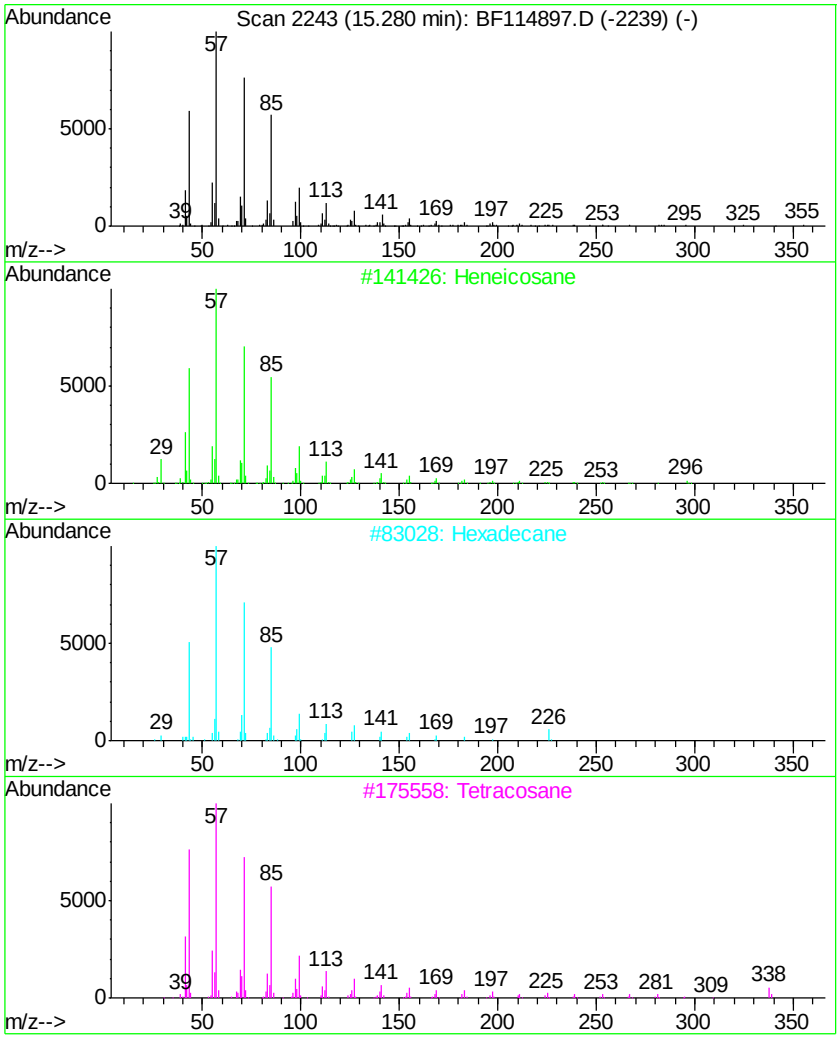
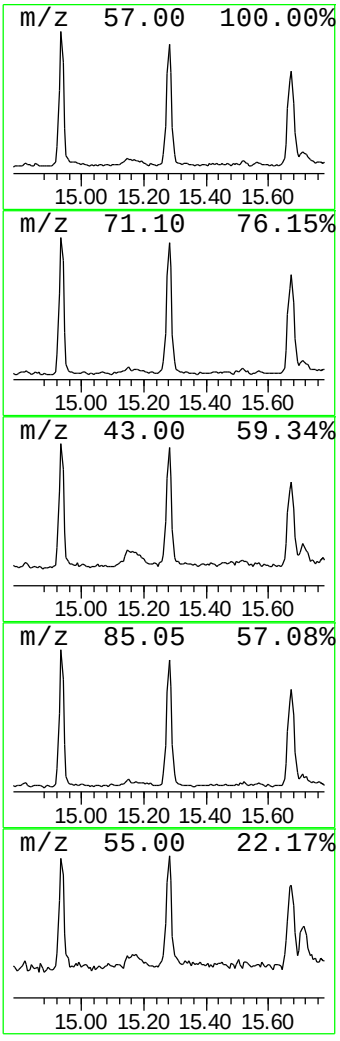
Peak Number 11 Tetracosane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.28	4.42 ng	411286	Perylene-d12	15.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	91
2	Hexadecane	226	C16H34	000544-76-3	91
3	Tetracosane	338	C24H50	000646-31-1	91
4	Triacontane	422	C30H62	000638-68-6	91
5	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060719\
Data File : BF114897.D
Acq On : 7 Jun 2019 14:53
Operator : HP/JU
Sample : K3218-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RBR-200027

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060419.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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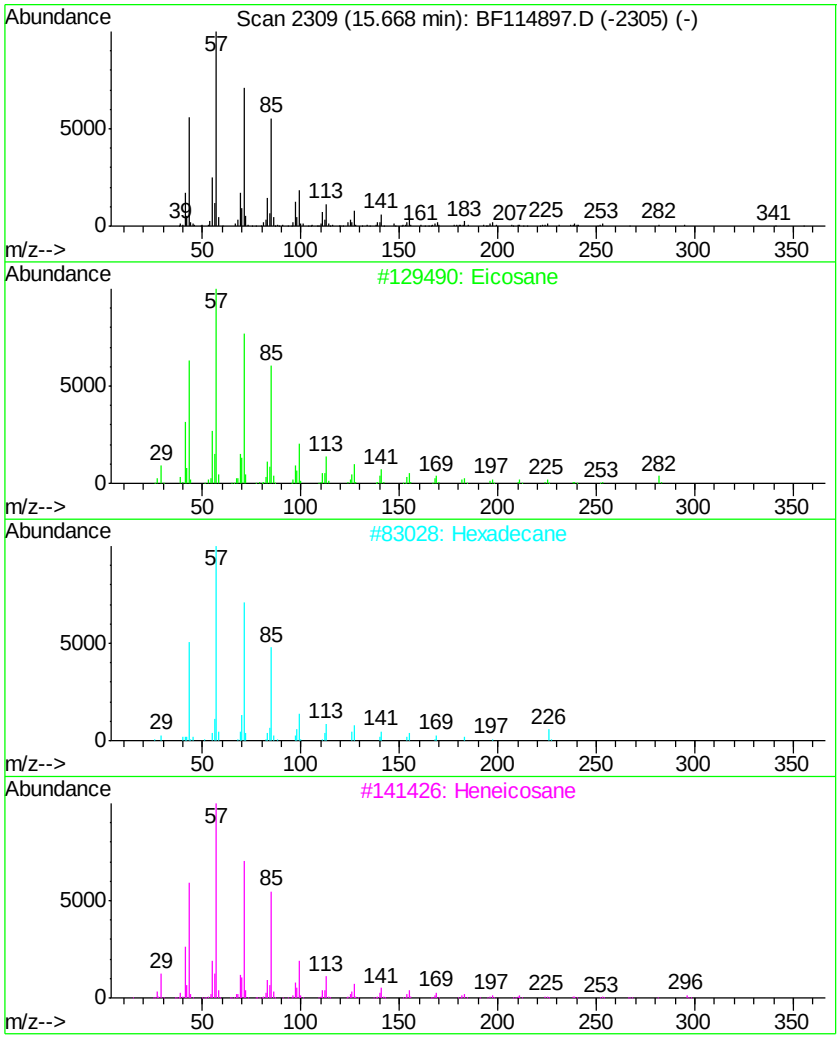
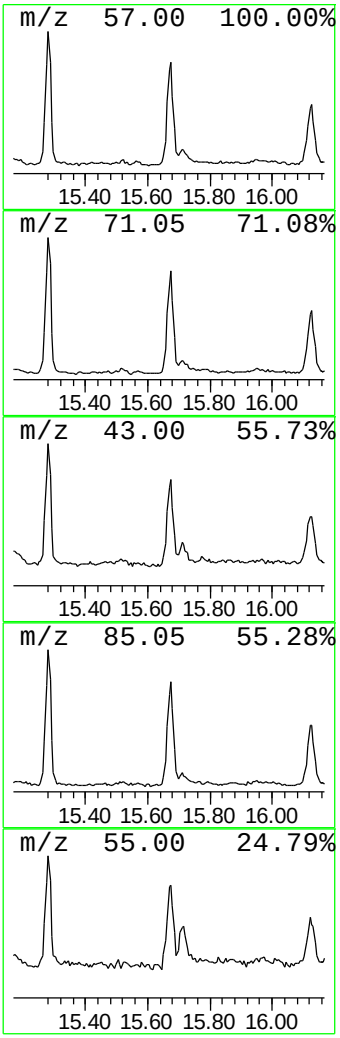
Peak Number 12 Eicosane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.67	3.86 ng	359646	Perylene-d12	15.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	94
2	Hexadecane	226	C16H34	000544-76-3	93
3	Heneicosane	296	C21H44	000629-94-7	91
4	Hexacosane	366	C26H54	000630-01-3	91
5	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060719\
Data File : BF114897.D
Acq On : 7 Jun 2019 14:53
Operator : HP/JU
Sample : K3218-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RBR-200027

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060419.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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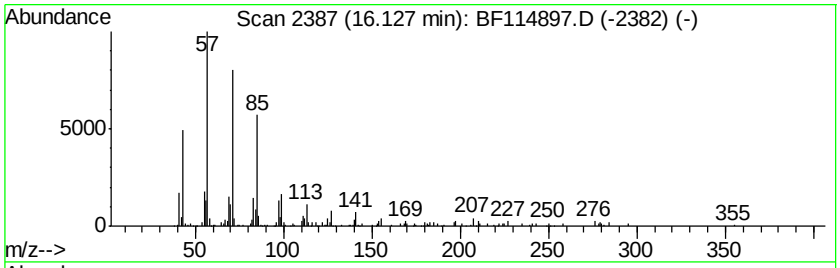
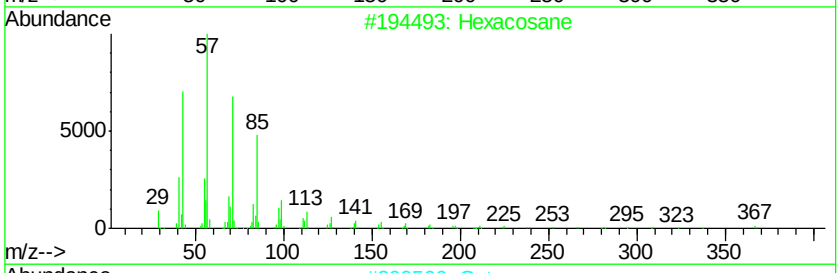
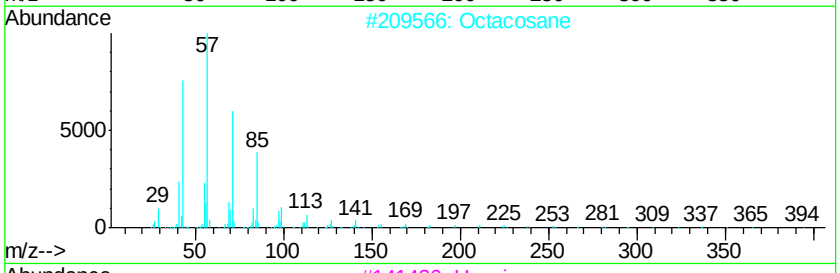
Peak Number 13 Docosane, 11-butyl- Concentration Rank 12

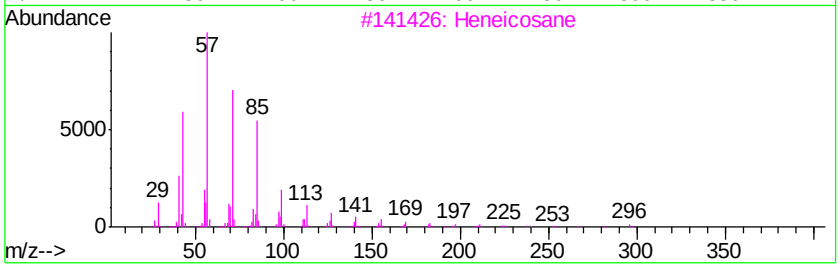
R.T.	EstConc	Area	Relative to ISTD	R.T.
16.13	2.57 ng	238766	Perylene-d12	15.22

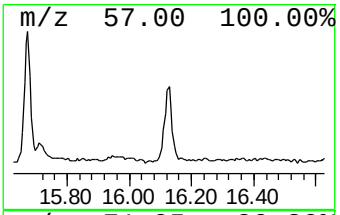
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexacosane	366	C26H54	000630-01-3	94
2	Octacosane	394	C28H58	000630-02-4	91
3	Heneicosane	296	C21H44	000629-94-7	91
4	Docosane, 11-butyl-	366	C26H54	013475-76-8	91
5	Heptacosane	380	C27H56	000593-49-7	91

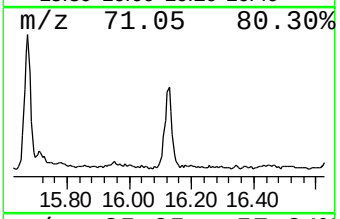


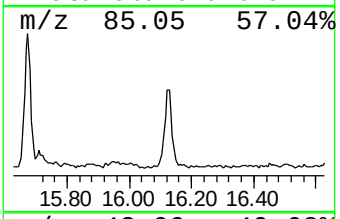


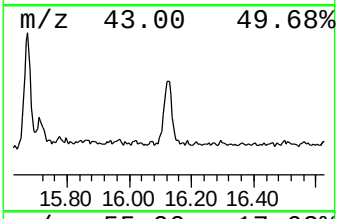


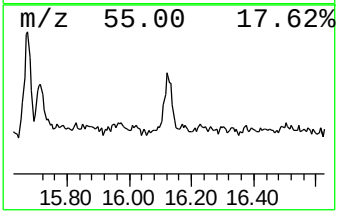












Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF060719\
Data File : BF114897.D
Acq On : 7 Jun 2019 14:53
Operator : HP/JU
Sample : K3218-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RBR-200027

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060419.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
unknown6.43	6.43	90.2	ng	6869670	1	6.66	1522760	20.0
n-Hexadecanoic acid	11.70	7.8	ng	907372	4	11.16	2322960	20.0
Octadecanoic acid	12.49	4.3	ng	399570	5	13.79	1855400	20.0
1-Heneicosanol	13.65	7.9	ng	730138	5	13.79	1855400	20.0
Hexadecane	14.31	3.5	ng	322013	5	13.79	1855400	20.0
Nonadecane	14.62	3.7	ng	347748	6	15.22	1861060	20.0
Heneicosane	14.93	4.9	ng	452209	6	15.22	1861060	20.0
Perylene	15.15	2.1	ng	193533	6	15.22	1861060	20.0
Tetracosane	15.28	4.4	ng	411286	6	15.22	1861060	20.0
Eicosane	15.67	3.9	ng	359646	6	15.22	1861060	20.0
Docosane, 11-butyl-	16.13	2.6	ng	238766	6	15.22	1861060	20.0