LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022420\
Data File : BF119041.D
Acq On : 25 Feb 2020 00:56
Operator : CG/JU
Sample : L1635-09
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DUNR-TS006-01

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-BF022020.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	4.981	488	492	501	rVB	46290	66303	1.45%	0.196%
2	5.387	557	561	581	rBV	3520165	3448816	75.59%	10.188%
3	6.398	728	733	741	rBV	3137019	3388356	74.27%	10.010%
4	6.751	790	793	801	rBV	989676	860510	18.86%	2.542%
5	6.910	816	820	824	rBV	3435615	3133814	68.69%	9.258%
6	7.316	884	889	892	rBV	2271826	2269818	49.75%	6.705%
7	8.033	1007	1011	1016	rBV	1253310	1076713	23.60%	3.181%
8	9.110	1189	1194	1197	rBV	4944865	4562499	100.00%	13.478%
9	9.504	1257	1261	1265	rBV	267555	239607	5.25%	0.708%
10	9.704	1286	1295	1304	rBV3	34217	87370	1.91%	0.258%
11	9.786	1304	1309	1318	rVB	1494406	1279651	28.05%	3.780%
12	10.574	1438	1443	1453	rBV	3121675	2867283	62.84%	8.470%
13	11.269	1557	1561	1566	rBV	1412158	1201491	26.33%	3.549%
14	11.574	1603	1613	1614	rBV7	25023	64419	1.41%	0.190%
15	11.669	1621	1629	1631	rBV5	47344	104715	2.30%	0.309%
16	11.798	1648	1651	1663	rVB	339424	385109	8.44%	1.138%
17	11.963	1676	1679	1692	rVB5	55616	162372	3.56%	0.480%
18	12.580	1781	1784	1794	rBV	69474	74877	1.64%	0.221%
19	12.851	1826	1830	1833	rBV	4296732	3952985	86.64%	11.678%
20	13.745	1978	1982	1990	rBV	363594	409634	8.98%	1.210%
21	13.904	2005	2009	2015	rVB	985766	891180	19.53%	2.633%
22	14.068	2034	2037	2044	rBV2	53390	58243	1.28%	0.172%
23	14.380	2086	2090	2103	rBV	441031	545707	11.96%	1.612%
24	14.668	2137	2139	2148	rVB2	49286	67213	1.47%	0.199%
25	14.739	2148	2151	2156	rVB	66879	65387	1.43%	0.193%
26	14.804	2159	2162	2176	rVB	52339	129332	2.83%	0.382%
27	14.986	2190	2193	2196	rBV	108689	144457	3.17%	0.427%
28	15.068	2202	2207	2223	rVB	112792	414290	9.08%	1.224%
29	15.333	2246	2252	2258	rBV	722647	972753	21.32%	2.874%
30	15.757	2320	2324	2328	rBV	59717	75820	1.66%	0.224%
31	15.809	2329	2333	2340	rVB2	53145	87128	1.91%	0.257%
32	16.503	2447	2451	2456	rVB6	27568	48902	1.07%	0.144%
33	16.874	2509	2514	2523	rVB8	44563	93820	2.06%	0.277%
34	17.268	2575	2581	2588	rBV8	70137	178517	3.91%	0.527%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022420\
Data File : BF119041.D
Acq On : 25 Feb 2020 00:56
Operator : CG/JU
Sample : L1635-09
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DUNR-TS006-01

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-BF022020.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	17.692	2649	2653	2667	rBV3	42427	126539	2.77%	0.374%
36	18.021	2702	2709	2715	rBV10	58649	172645	3.78%	0.510%
37	18.233	2740	2745	2752	rVB5	60880	142268	3.12%	0.420%

Sum of corrected areas: 33850543

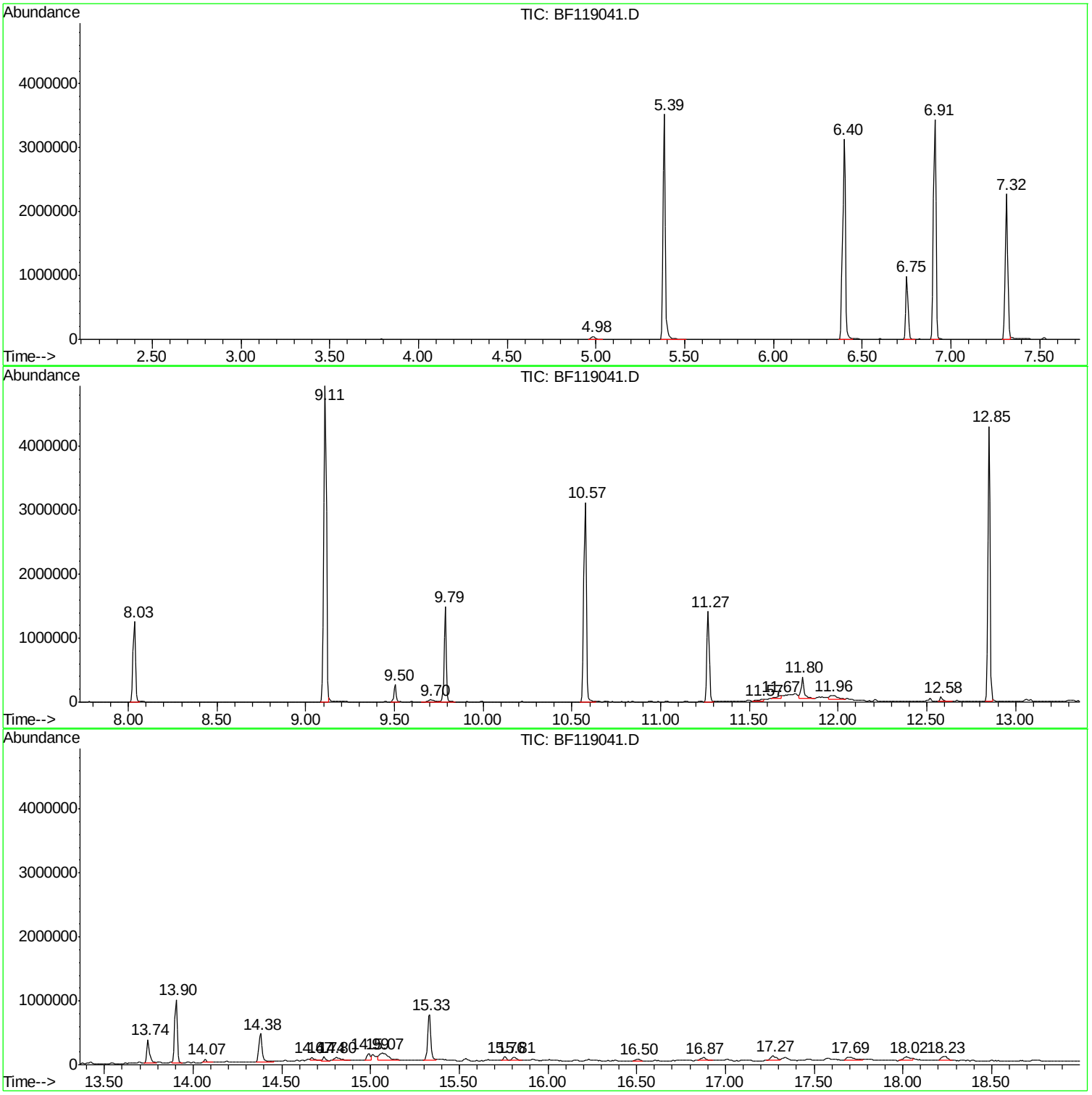
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022420\
Data File : BF119041.D
Acq On : 25 Feb 2020 00:56
Operator : CG/JU
Sample : L1635-09
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DUNR-TS006-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022020.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\BF022420\
Data File : BF119041.D
Acq On : 25 Feb 2020 00:56
Operator : CG/JU
Sample : L1635-09
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DUNR-TS006-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022020.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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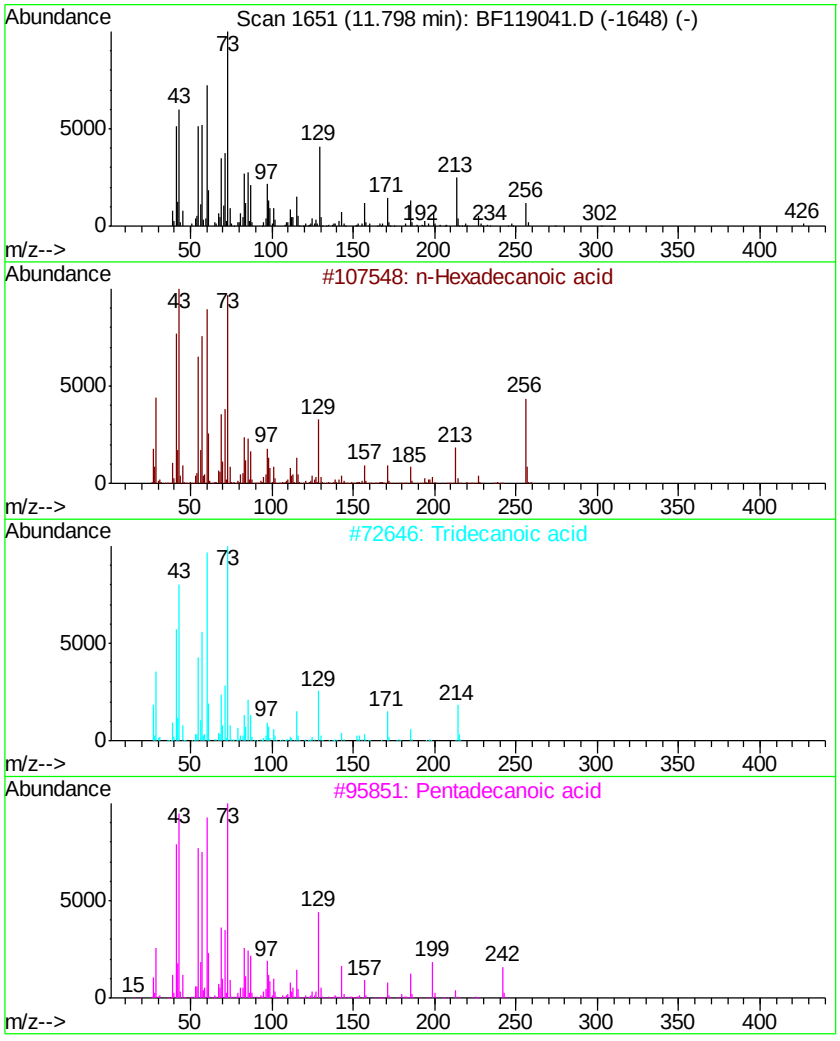
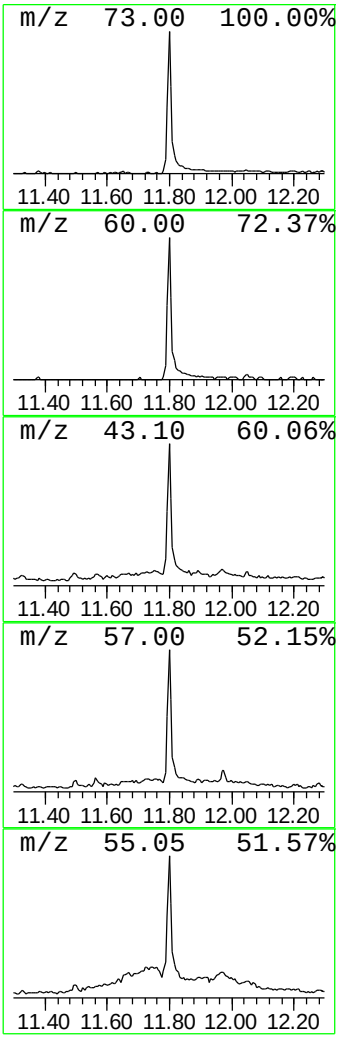
Peak Number 2 n-Hexadecanoic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.80	6.41 ng	385109	Phenanthrene-d10	11.27

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	68
4	Octadecanoic acid	284	C18H36O2	000057-11-4	68
5	l-(+)-Ascorbic acid 2,6-dihexade...	652	C38H68O8	028474-90-0	53





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022420\
Data File : BF119041.D
Acq On : 25 Feb 2020 00:56
Operator : CG/JU
Sample : L1635-09
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DUNR-TS006-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022020.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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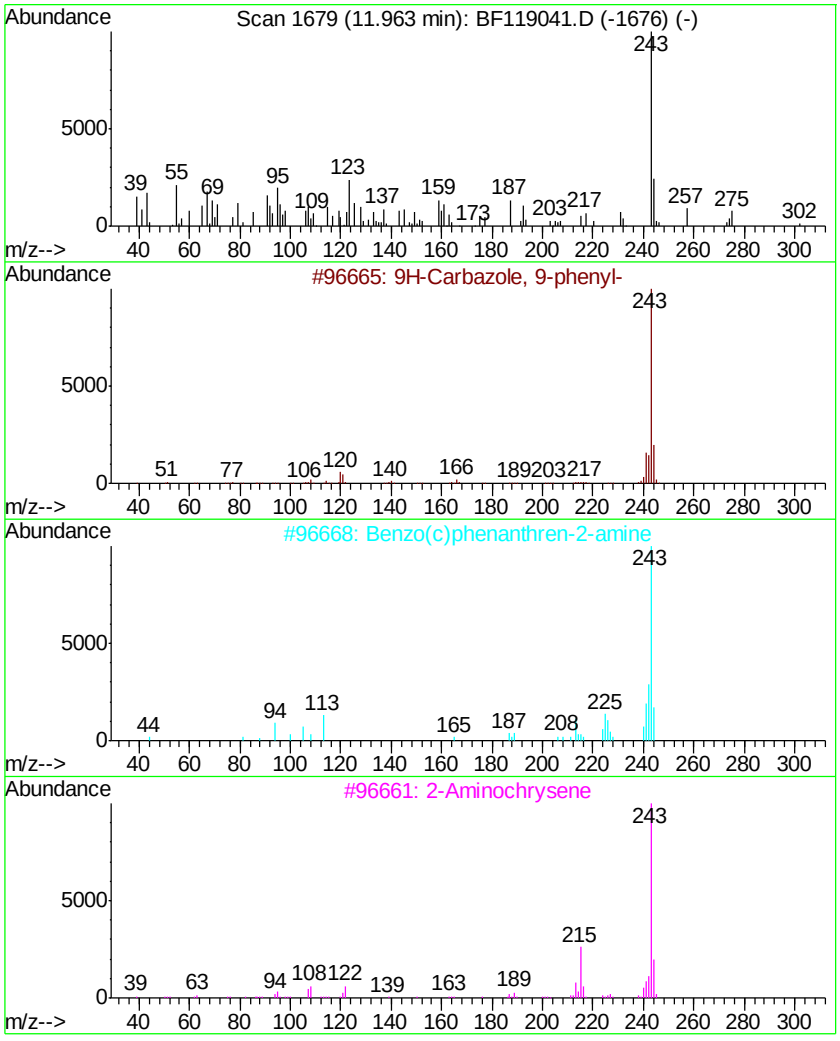
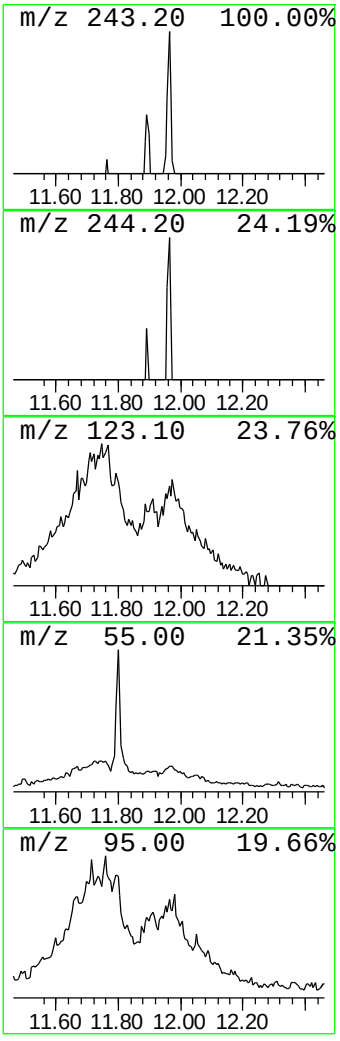
Peak Number 3 unknown11.96 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.96	2.70 ng	162372	Phenanthrene-d10	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Carbazole, 9-phenyl-	243	C18H13N	001150-62-5	46
2	Benzo(c)phenanthren-2-amine	243	C18H13N	004235-06-7	43
3	2-Aminochrysene	243	C18H13N	000789-47-9	43
4	4-Ethyl-1,1,1,4-tetraphenyl-octa...	460	C34H36O	1000186-91-2	43
5	2,6-Di(2-thienyl)pyridine	243	C13H9NS2	035299-71-9	43





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022420\
Data File : BF119041.D
Acq On : 25 Feb 2020 00:56
Operator : CG/JU
Sample : L1635-09
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DUNR-TS006-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022020.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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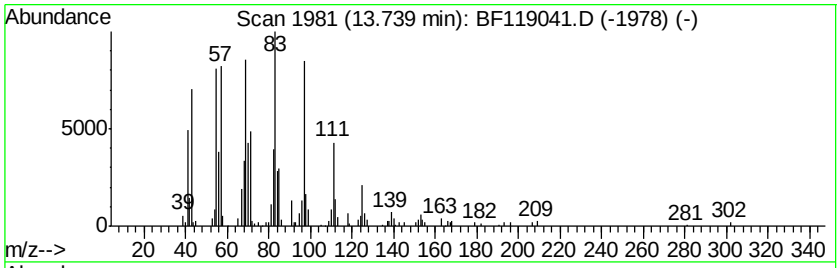
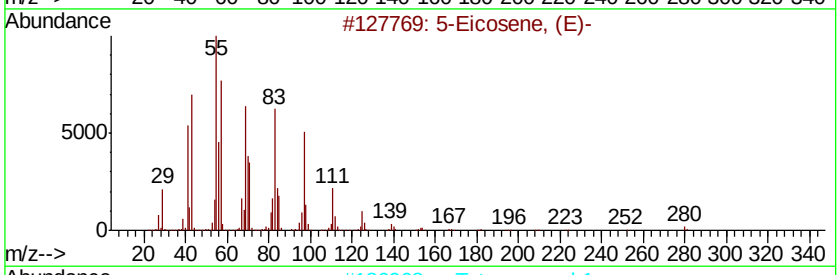
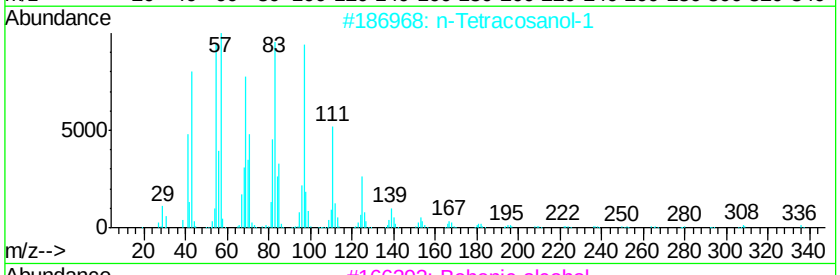
Peak Number 4 5-Eicosene, (E)- Concentration Rank 3

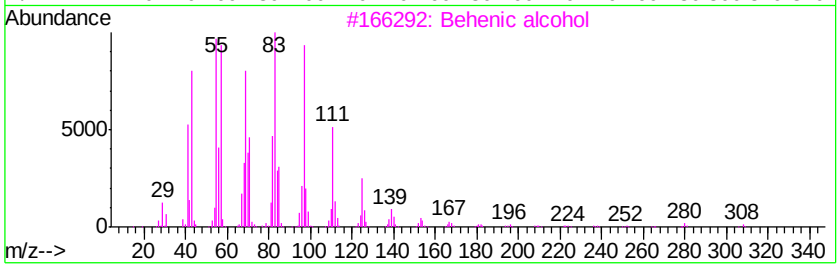
R.T.	EstConc	Area	Relative to ISTD	R.T.
13.74	9.19 ng	409634	Chrysene-d12	13.90

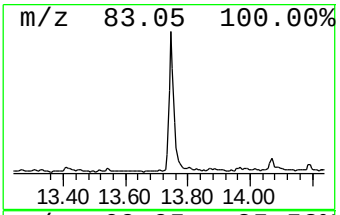
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Eicosene, (E)-	280	C20H40	074685-30-6	99
2	n-Tetracosanol-1	354	C24H50O	000506-51-4	95
3	Behenic alcohol	326	C22H46O	000661-19-8	95
4	n-Nonadecanol-1	284	C19H40O	001454-84-8	95
5	1-Nonadecene	266	C19H38	018435-45-5	94

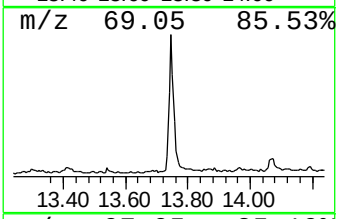


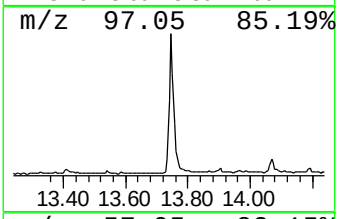


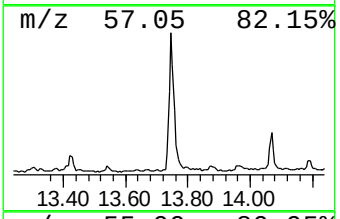


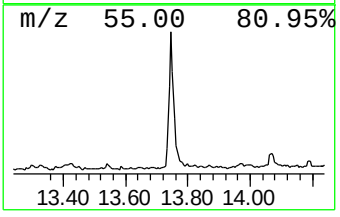












Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022420\
Data File : BF119041.D
Acq On : 25 Feb 2020 00:56
Operator : CG/JU
Sample : L1635-09
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DUNR-TS006-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

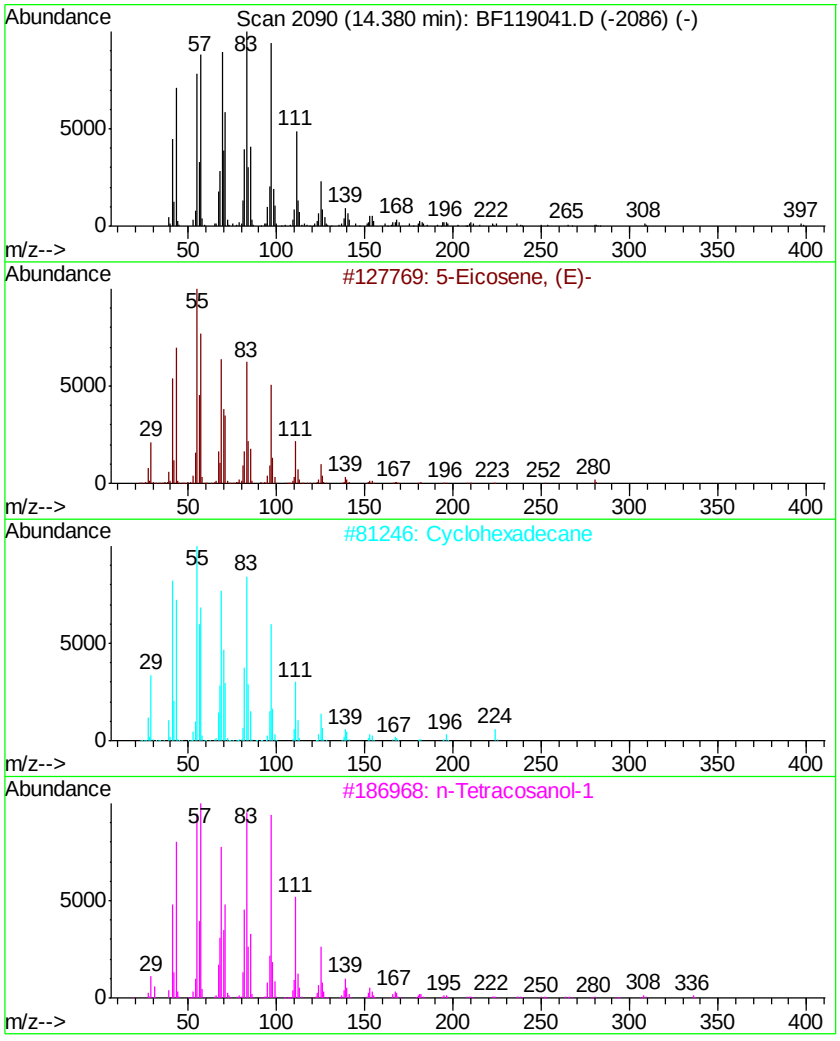
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

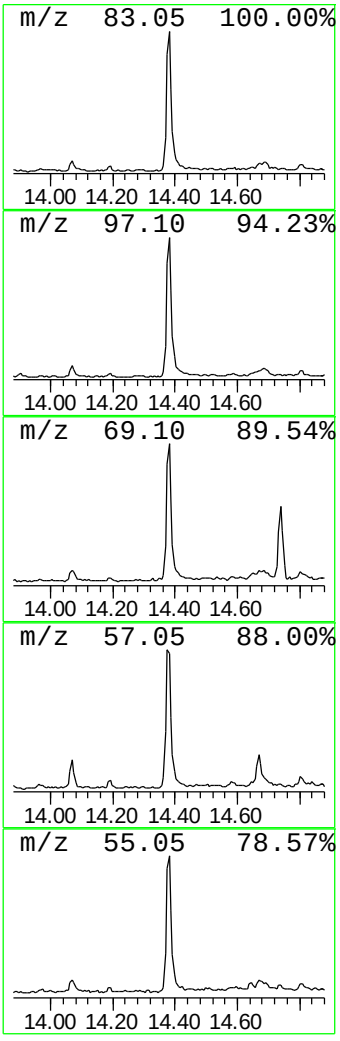
****

Peak Number 5 Cyclohexadecane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.38	12.25 ng	545707	Chrysene-d12	13.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Eicosene, (E)-	280	C20H40	074685-30-6	97
2	Cyclohexadecane	224	C16H32	000295-65-8	96
3	n-Tetracosanol-1	354	C24H50O	000506-51-4	95
4	1-Heptacosanol	396	C27H56O	002004-39-9	95
5	1-Docosene	308	C22H44	001599-67-3	95





Library Search Compound Report

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Data File : BF119041.D
Acq On : 25 Feb 2020 00:56
Operator : CG/JU
Sample : L1635-09
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DUNR-TS006-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

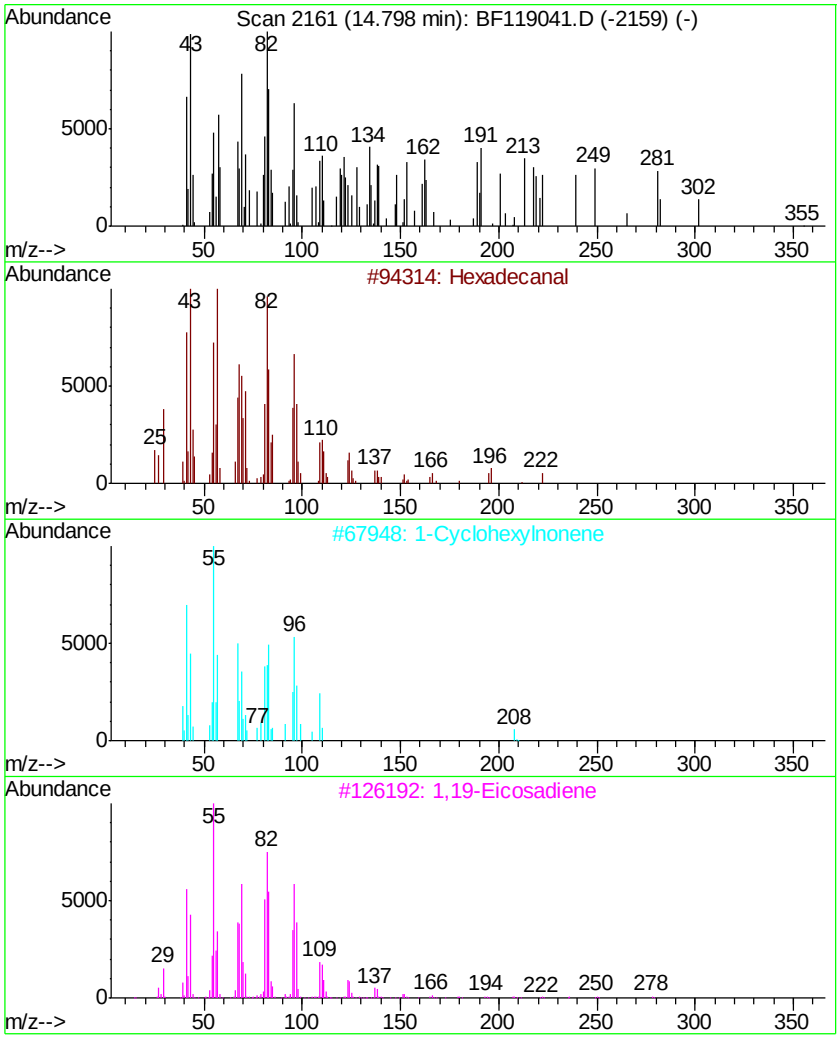
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

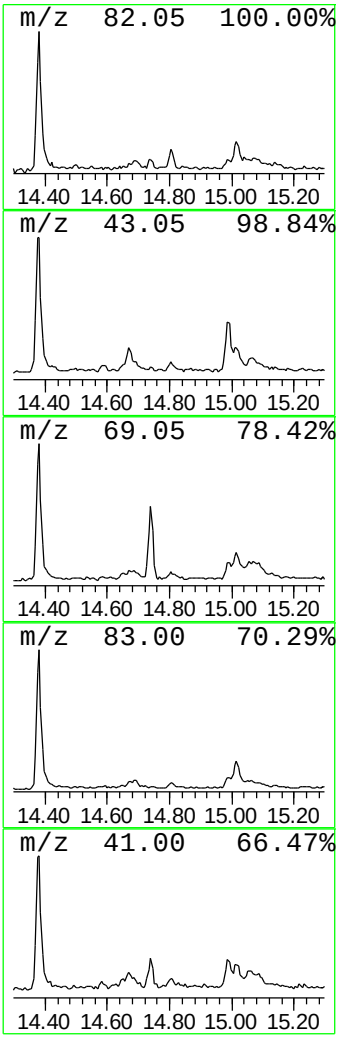
****

Peak Number 6 unknown14.80 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.80	2.66 ng	129332	Perylene-d12	15.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecanal	240	C16H32O	000629-80-1	38
2	1-Cyclohexylnonene	208	C15H28	114614-84-5	35
3	1,19-Eicosadiene	278	C20H38	014811-95-1	30
4	(S)(+)-Z-13-Methyl-11-pentadecen...	282	C18H34O2	1000130-84-8	30
5	17-Octadecenal	266	C18H34O	056554-86-0	30





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022420\
Data File : BF119041.D
Acq On : 25 Feb 2020 00:56
Operator : CG/JU
Sample : L1635-09
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DUNR-TS006-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022020.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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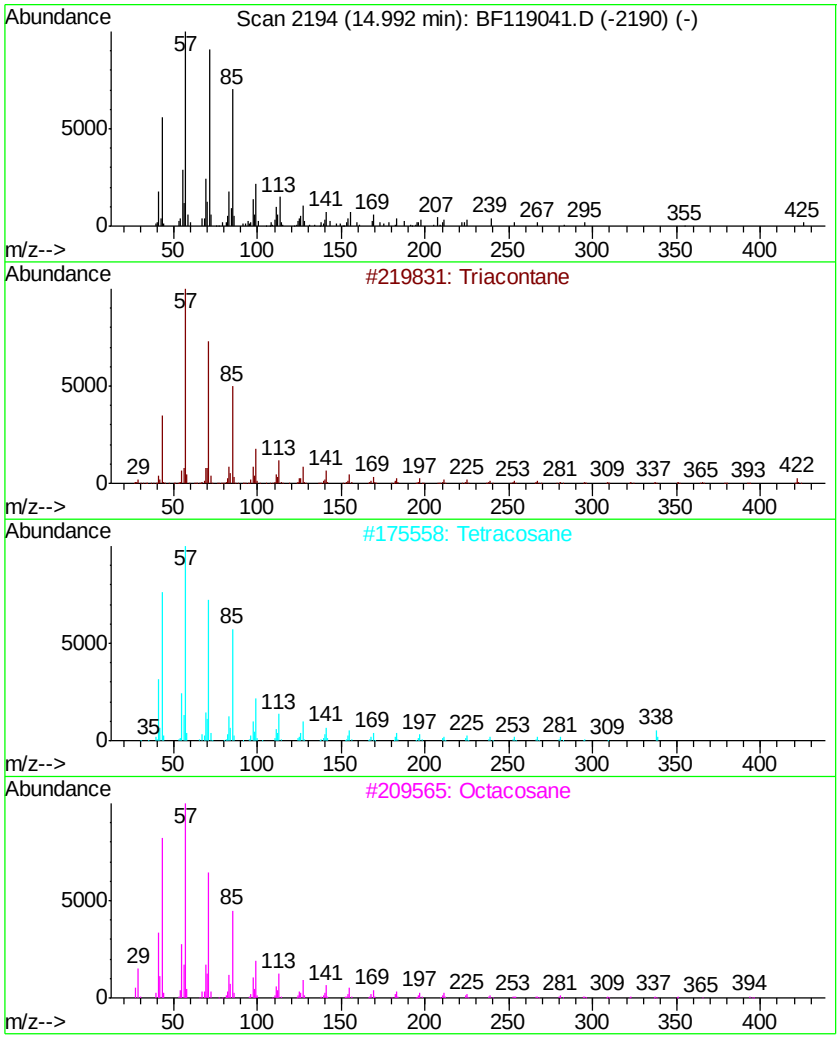
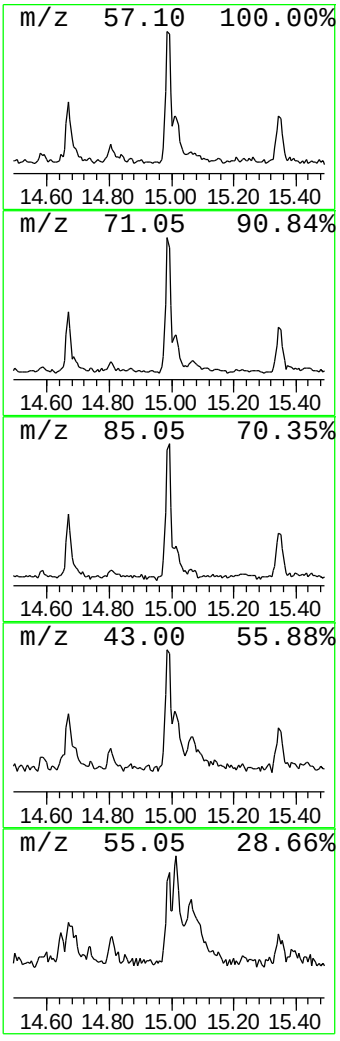
Peak Number 7 Triacontane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.99	2.97 ng	144457	Perylene-d12	15.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triacontane	422	C30H62	000638-68-6	91
2	Tetracosane	338	C24H50	000646-31-1	91
3	Octacosane	394	C28H58	000630-02-4	91
4	Docosane	310	C22H46	000629-97-0	91
5	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	91





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022420\
Data File : BF119041.D
Acq On : 25 Feb 2020 00:56
Operator : CG/JU
Sample : L1635-09
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DUNR-TS006-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022020.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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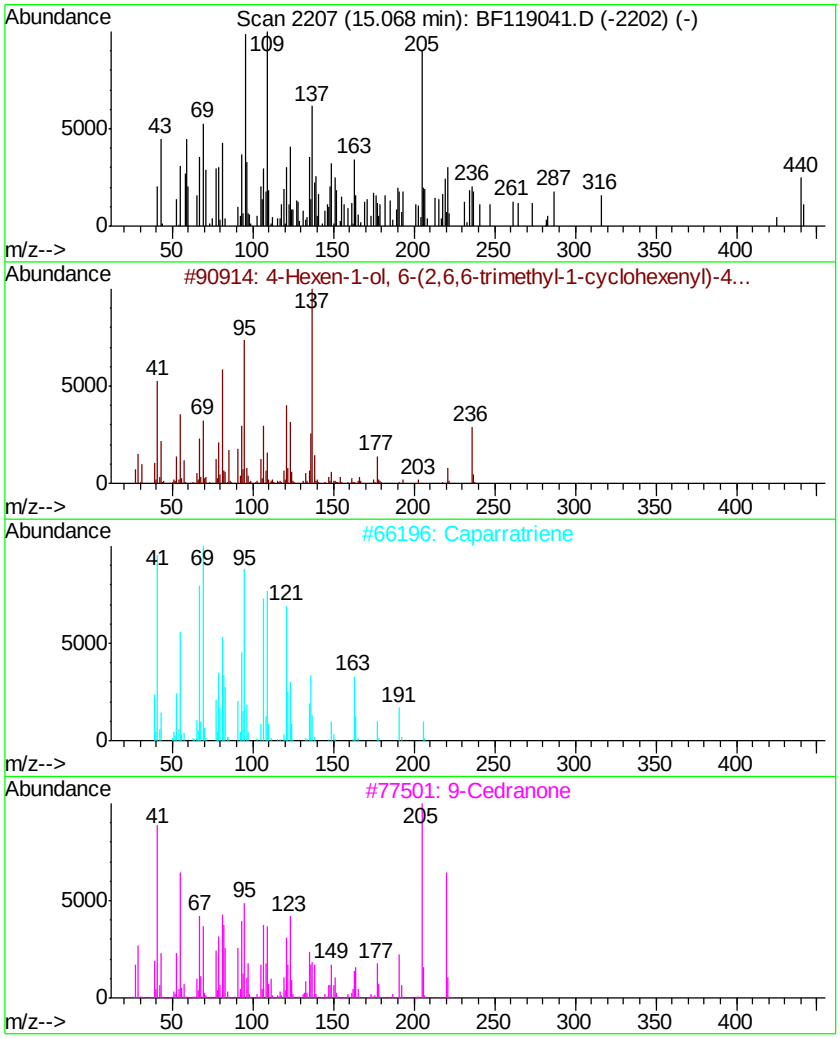
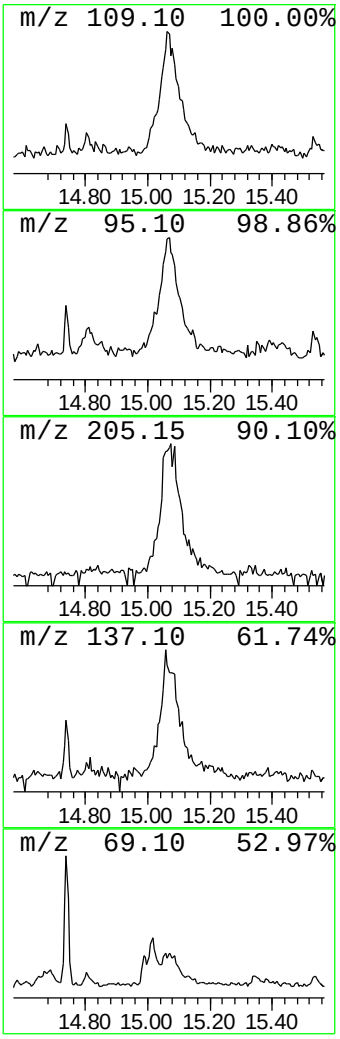
Peak Number 8 unknown15.07 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.07	8.52 ng	414290	Perylene-d12	15.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Hexen-1-ol, 6-(2,6,6-trimethyl...	236	C16H28O	1000221-57-6	42
2	Caparratriene	206	C15H26	1000374-08-7	38
3	9-Cedranone	220	C15H24O	1000156-23-2	27
4	4-(1,3,3-Trimethyl-bicyclo[4.1.0...	206	C14H22O	077143-31-8	25
5	3-(3-Imino-1-pyrazolidinyl)benzo...	205	C10H11N3O2	083671-99-2	15





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022420\
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TIC Integration Parameters: LSCINT.P

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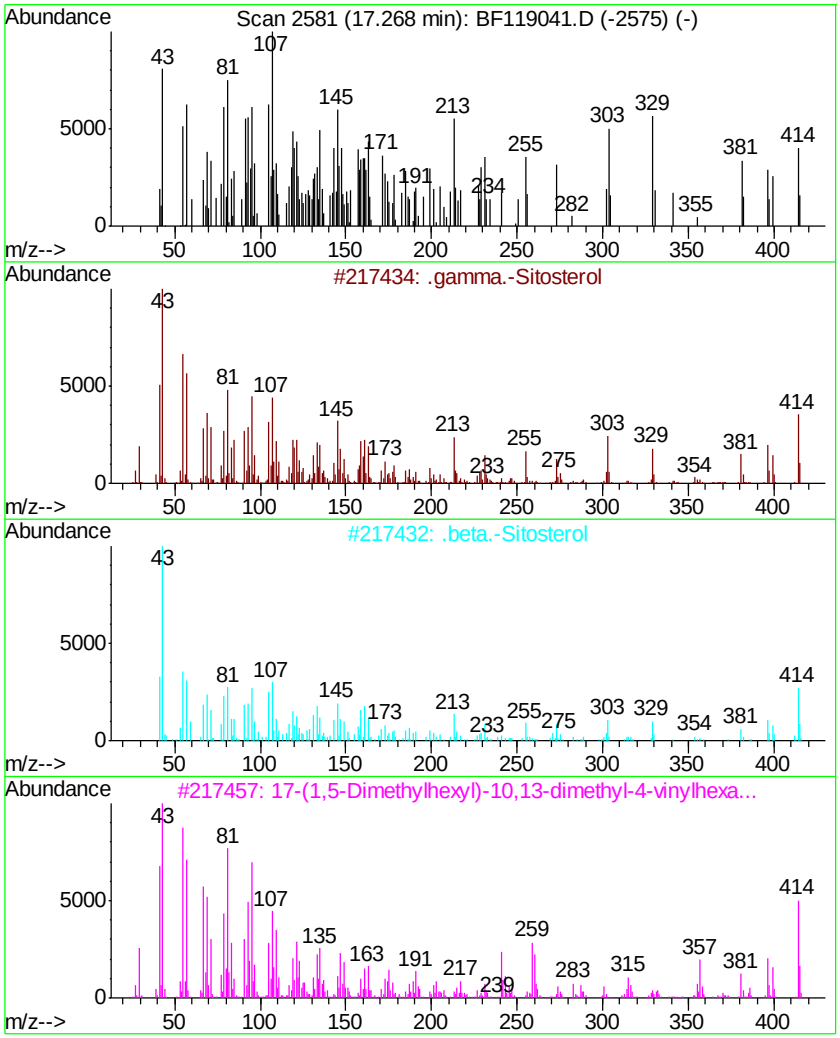
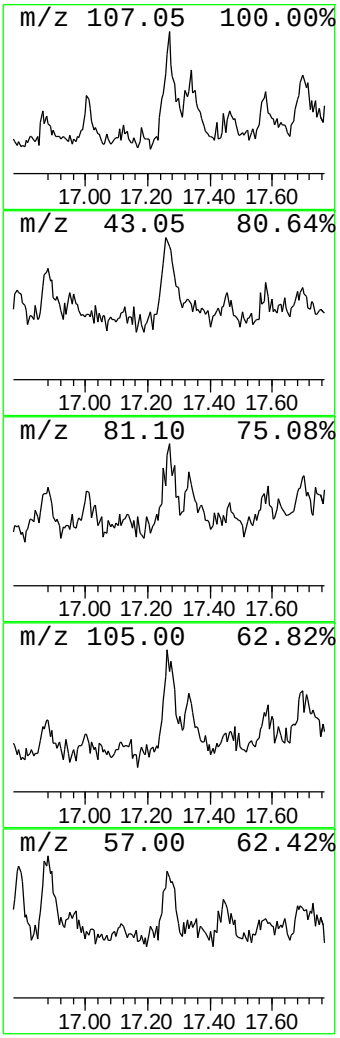
Peak Number 9 .gamma.-Sitosterol Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.27	3.67 ng	178517	Perylene-d12	15.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.gamma.-Sitosterol	414	C29H50O	000083-47-6	98
2	.beta.-Sitosterol	414	C29H50O	000083-46-5	59
3	17-(1,5-Dimethylhexyl)-10,13-dim...	414	C29H50O	1000210-86-9	35
4	Cholest-7-en-3-ol, 4,4-dimethyl-...	414	C29H50O	006384-28-7	35
5	5-O-Tolylcarbamoyl-3H-imidazole-...	273	C14H15N3O3	313251-31-9	14





Library Search Compound Report

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Data File : BF119041.D
Acq On : 25 Feb 2020 00:56
Operator : CG/JU
Sample : L1635-09
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DUNR-TS006-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022020.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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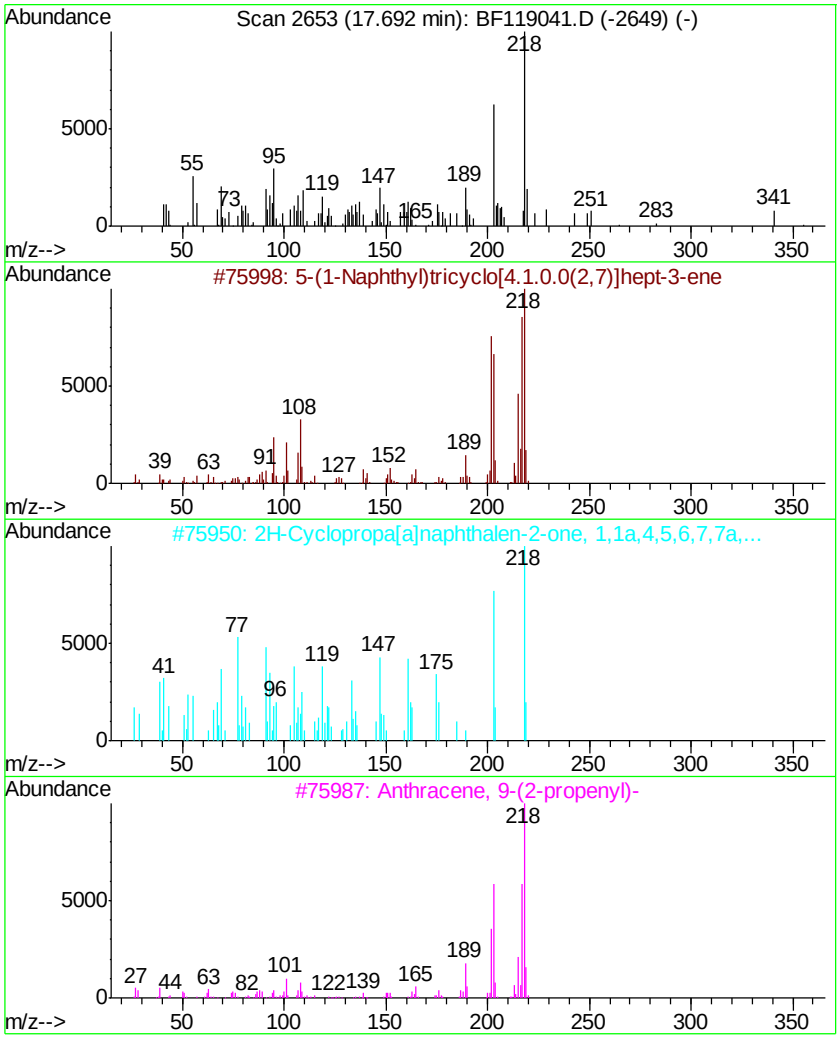
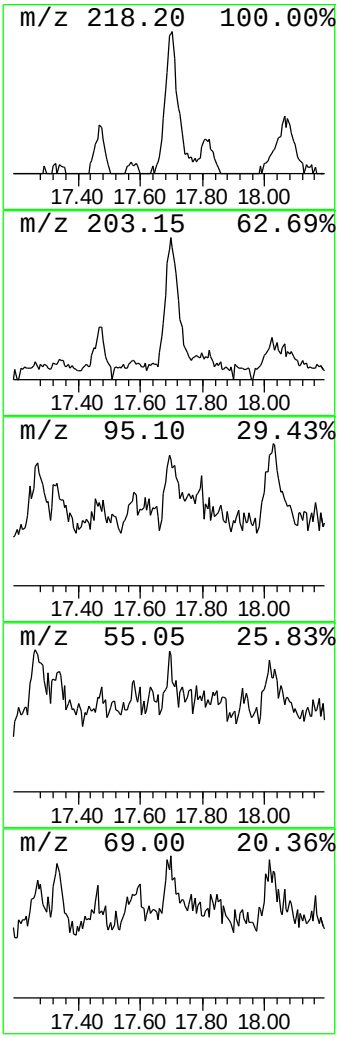
Peak Number 10 5-(1-Naphthyl)tricyclo[4.1.... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.69	2.60 ng	126539	Perylene-d12	15.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-(1-Naphthyl)tricyclo[4.1.0.0(2...	218	C17H14	107729-05-5	64
2	2H-Cyclopropa[a]naphthalen-2-one...	218	C15H22O	006831-17-0	62
3	Anthracene, 9-(2-propenyl)-	218	C17H14	023707-65-5	58
4	Benzenamine, 2,6-dimethyl-N-(4,4...	218	C13H18N2O	281211-68-5	58
5	1,2,3,4-Tetrahydro-1-phenyl-1,2,...	218	C17H14	138089-69-7	52





Library Search Compound Report

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Data File : BF119041.D
Acq On : 25 Feb 2020 00:56
Operator : CG/JU
Sample : L1635-09
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DUNR-TS006-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022020.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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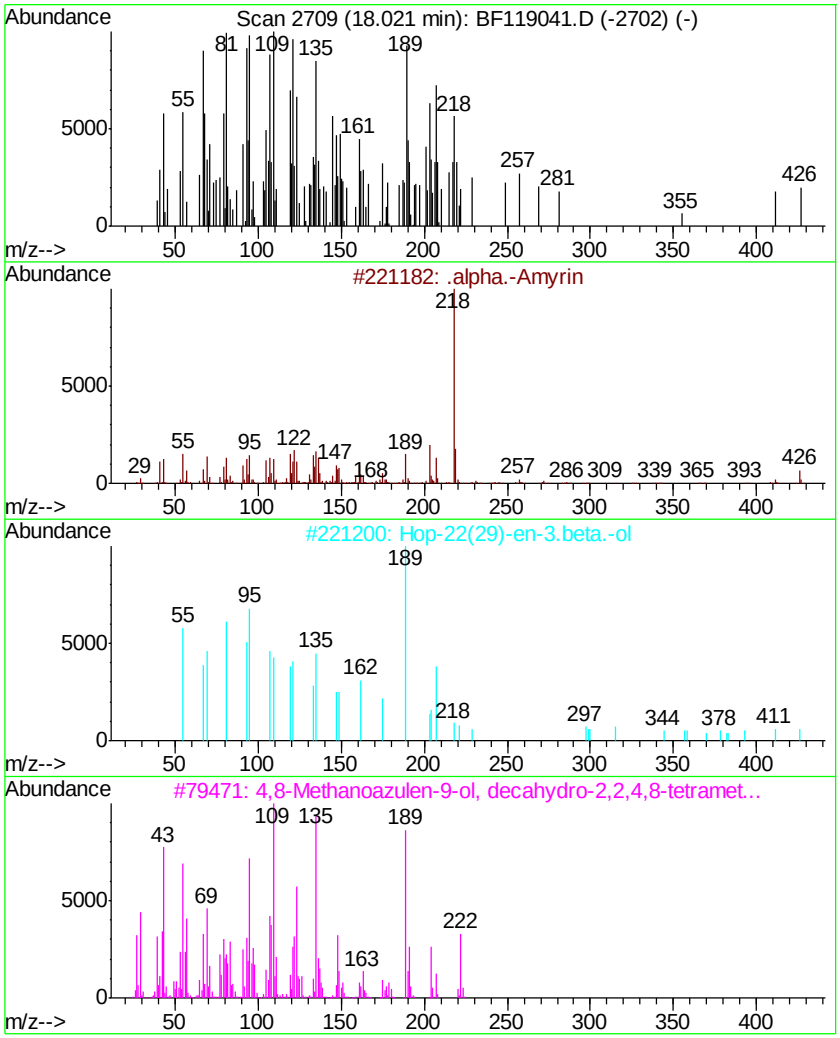
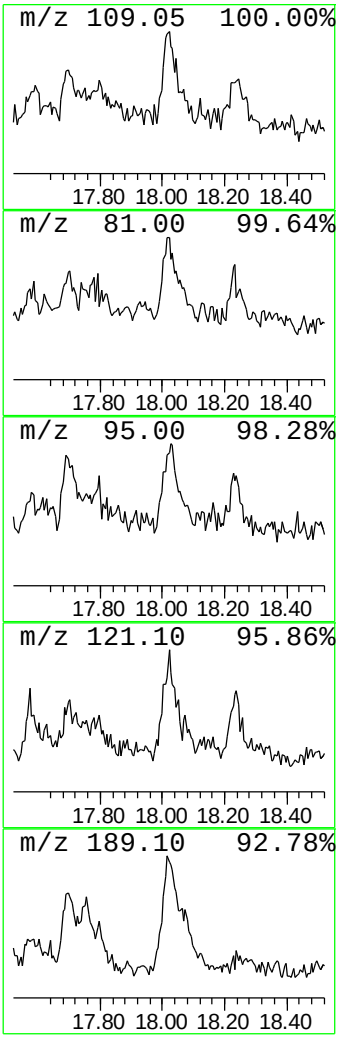
Peak Number 11 .alpha.-Amyrin Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.02	3.55 ng	172645	Perylene-d12	15.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.alpha.-Amyrin	426	C30H50O	000638-95-9	52
2	Hop-22(29)-en-3.beta.-ol	426	C30H50O	058801-23-3	43
3	4,8-Methanoazulen-9-ol, decahydr...	222	C15H26O	004586-22-5	43
4	1,1,6-trimethyl-3-methylene-2-(3...	452	C33H56	1000373-94-5	37
5	Spiro[5.5]undec-2-ene, 3,7,7-tri...	204	C15H24	018431-82-8	30





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Data File : BF119041.D
Acq On : 25 Feb 2020 00:56
Operator : CG/JU
Sample : L1635-09
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DUNR-TS006-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022020.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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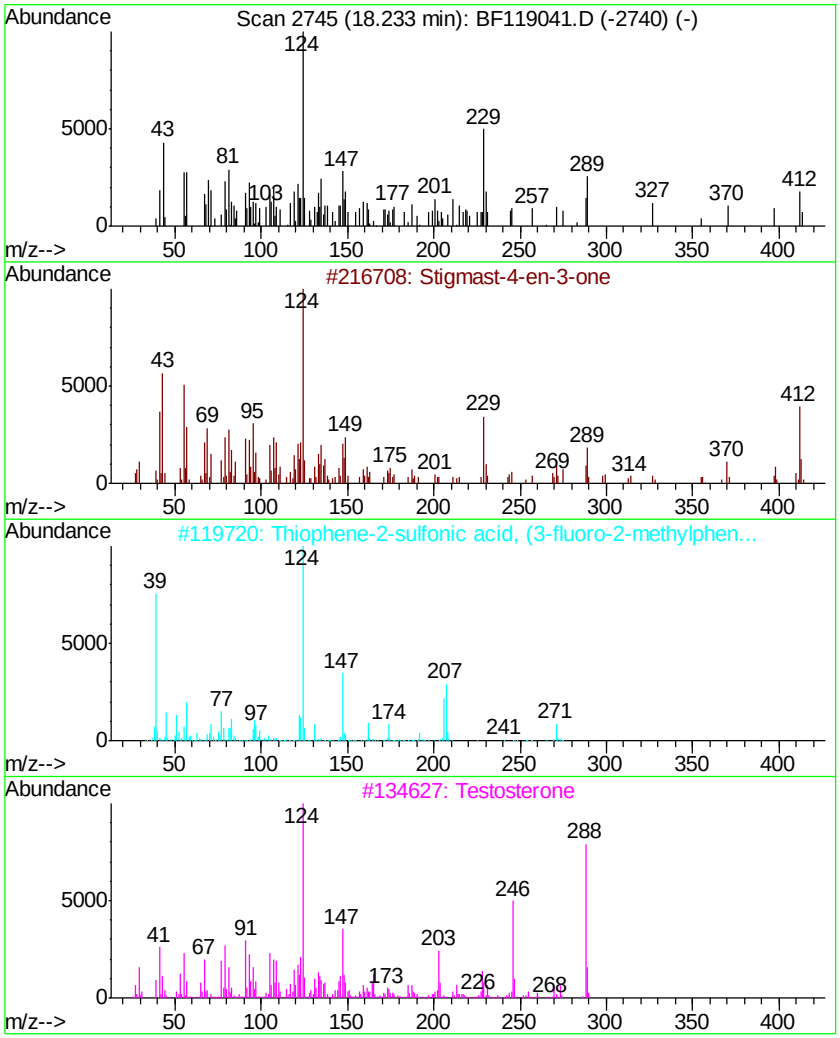
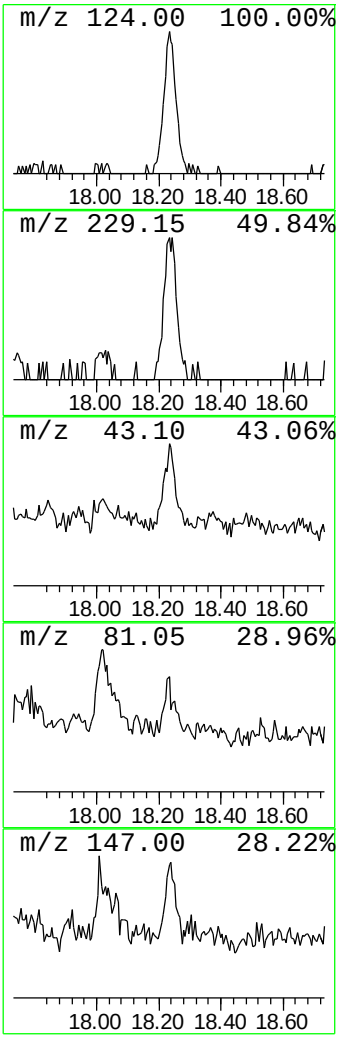
Peak Number 12 Stigmast-4-en-3-one Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.23	2.93 ng	142268	Perylene-d12	15.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Stigmast-4-en-3-one	412	C29H48O	001058-61-3	90
2	Thiophene-2-sulfonic acid, (3-fl...	271	C11H10FNO2S2	1000311-21-1	42
3	Testosterone	288	C19H28O2	000058-22-0	38
4	p-Fluoroatropine dehydrate	289	C17H20FNO2	1000212-74-8	38
5	3-(3-Fluoroanilino)-1-(3-nitroph...	288	C15H13FN2O3	300726-64-1	35





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF022420\
Data File : BF119041.D
Acq On : 25 Feb 2020 00:56
Operator : CG/JU
Sample : L1635-09
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DUNR-TS006-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022020.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
n-Hexadecanoic acid	11.80	6.4	ng	385109	4	11.27	1201490	20.0
unknown11.96	11.96	2.7	ng	162372	4	11.27	1201490	20.0
5-Eicosene, (E)-	13.74	9.2	ng	409634	5	13.90	891180	20.0
Cyclohexadecane	14.38	12.3	ng	545707	5	13.90	891180	20.0
unknown14.80	14.80	2.7	ng	129332	6	15.33	972753	20.0
Triacontane	14.99	3.0	ng	144457	6	15.33	972753	20.0
unknown15.07	15.07	8.5	ng	414290	6	15.33	972753	20.0
.gamma.-Sitosterol	17.27	3.7	ng	178517	6	15.33	972753	20.0
5-(1-Naphthyl)tri...	17.69	2.6	ng	126539	6	15.33	972753	20.0
.alpha.-Amyrin	18.02	3.5	ng	172645	6	15.33	972753	20.0
Stigmast-4-en-3-one	18.23	2.9	ng	142268	6	15.33	972753	20.0