LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010319\
Data File : BF111836.D
Acq On : 3 Jan 2019 22:10
Operator : JU/SJ
Sample : K1002-03 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AU-05-010219-B

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-BF121918.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	5.104	506	513	523	rBV	137904	166602	1.04%	0.232%
2	5.534	581	586	589	rBV	2479136	2408644	15.02%	3.359%
3	6.539	753	757	772	rVB	3222249	2895754	18.06%	4.039%
4	6.675	776	780	783	rBV	3223630	2679105	16.71%	3.737%
5	6.904	815	819	822	rBV	1853364	1584313	9.88%	2.210%
6	7.057	841	845	849	rBV	2511639	2113600	13.18%	2.948%
7	7.457	909	913	916	rBV	2009349	1656032	10.33%	2.310%
8	8.186	1033	1037	1040	rBV	2574398	2012207	12.55%	2.806%
9	9.257	1215	1219	1222	rBV	3984279	3084343	19.23%	4.302%
10	9.374	1235	1239	1243	rVB	210150	192993	1.20%	0.269%
11	9.645	1282	1285	1290	rBV	436754	344613	2.15%	0.481%
12	9.939	1331	1335	1339	rBV2	2669867	2186562	13.63%	3.050%
13	9.974	1339	1341	1345	rVB	294312	242672	1.51%	0.338%
14	10.727	1465	1469	1480	rVB	1361632	1182149	7.37%	1.649%
15	10.939	1502	1505	1508	rBV	418030	331896	2.07%	0.463%
16	11.427	1584	1588	1591	rBV	2149555	1832726	11.43%	2.556%
17	11.733	1638	1640	1644	rVB	355423	319193	1.99%	0.445%
18	11.815	1650	1654	1657	rBV	7855250	6916729	43.13%	9.647%
19	12.133	1701	1708	1712	rVB2	128306	165264	1.03%	0.230%
20	12.510	1766	1772	1774	rBV	11572200	16036457	100.00%	22.366%
21	12.533	1774	1776	1781	rVV	13204774	13963020	87.07%	19.474%
22	12.574	1781	1783	1785	rVV	232989	187017	1.17%	0.261%
23	12.610	1785	1789	1792	rVB	3704996	3118653	19.45%	4.350%
24	13.010	1853	1857	1860	rVB	2457208	2027818	12.65%	2.828%
25	13.251	1894	1898	1904	rVB2	421554	493470	3.08%	0.688%
26	13.327	1908	1911	1919	rBV	285266	328647	2.05%	0.458%
27	13.433	1926	1929	1936	rBV	294390	291164	1.82%	0.406%
28	13.904	2006	2009	2015	rBV2	121798	160718	1.00%	0.224%
29	13.998	2022	2025	2029	rBV	259707	231611	1.44%	0.323%
30	14.068	2033	2037	2040	rBV	1474185	1445579	9.01%	2.016%
31	15.556	2285	2290	2300	rVB	772662	1100212	6.86%	1.534%

Sum of corrected areas: 71699763

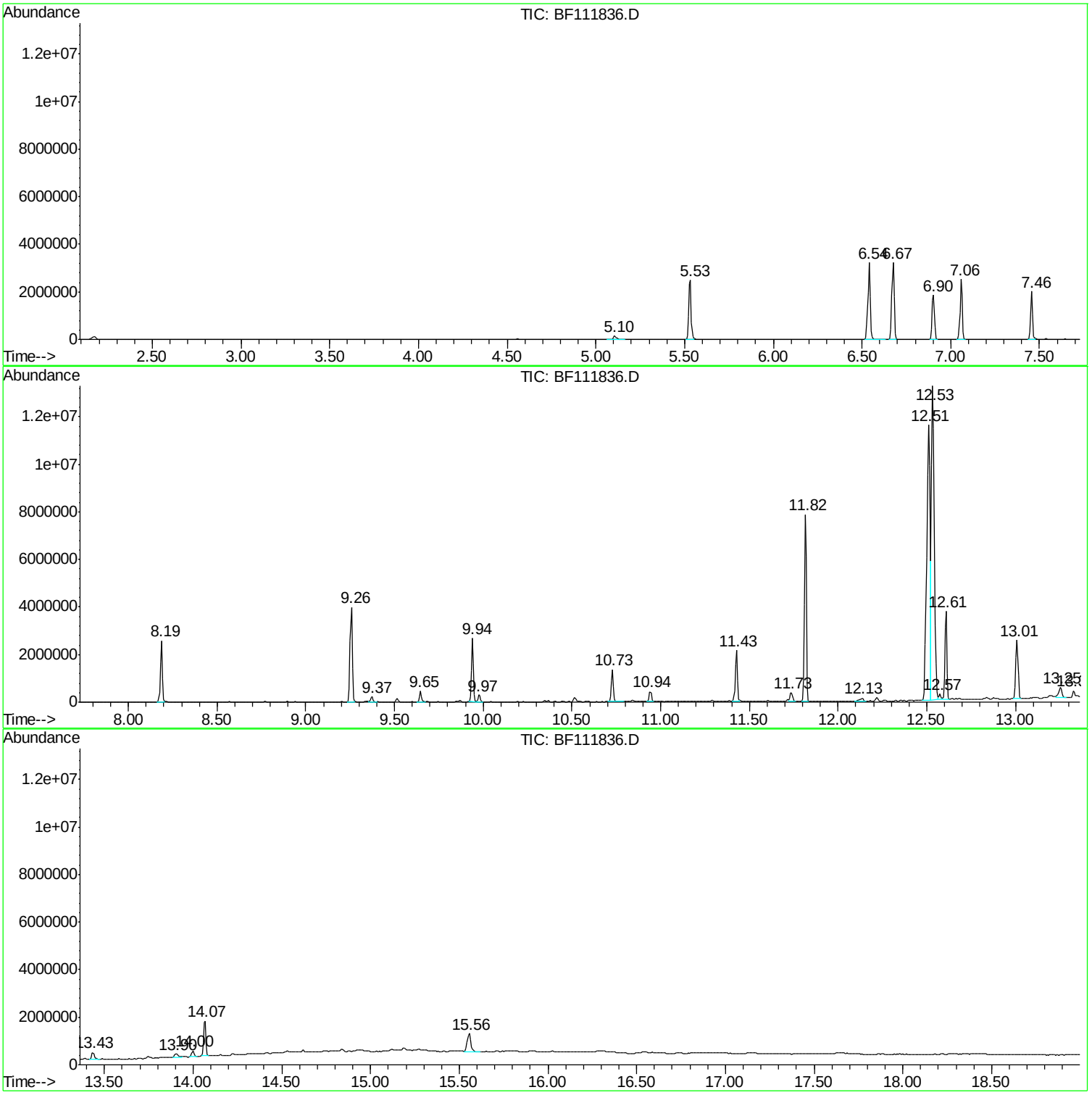
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010319\
Data File : BF111836.D
Acq On : 3 Jan 2019 22:10
Operator : JU/SJ
Sample : K1002-03 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AU-05-010219-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121918.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\BF010319\
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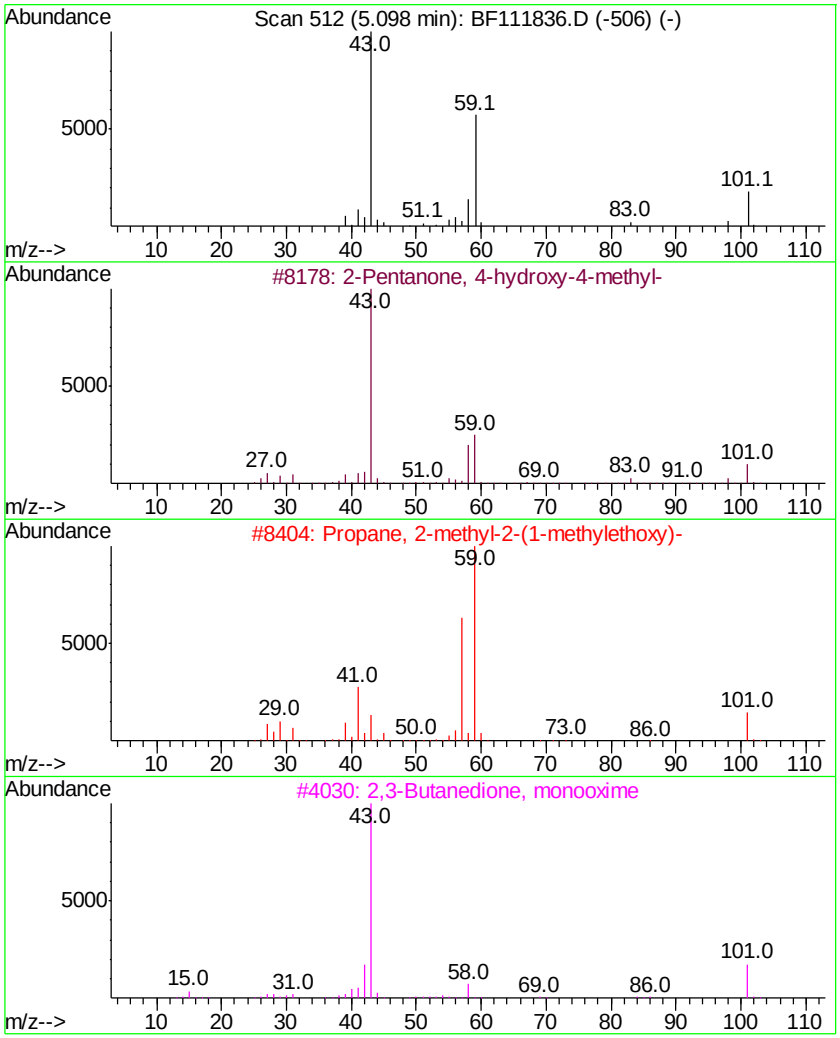
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

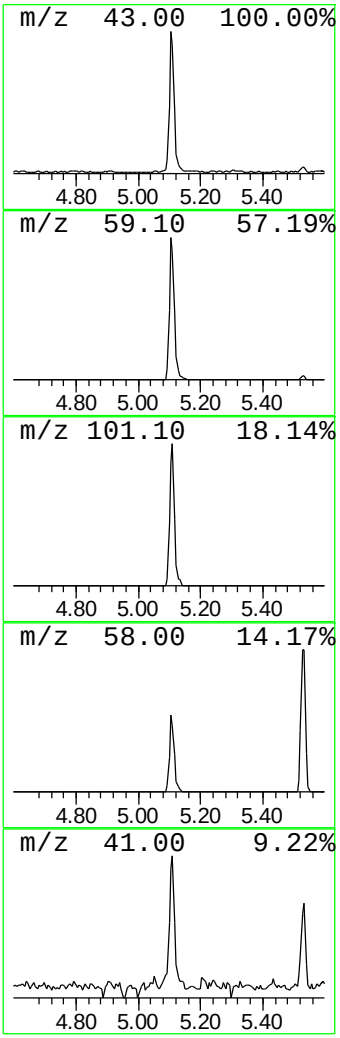
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.10	2.10 ng	166602	1,4-Dichlorobenzene-d4	6.90

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	36
3	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	27
4	Propane, 2-ethoxy-2-methyl-	102	C6H14O	000637-92-3	23
5	Propane, 1-ethoxy-2-methyl-	102	C6H14O	000627-02-1	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010319\
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Operator : JU/SJ
Sample : K1002-03 2X
Misc :
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Instrument : BNA_F
ClientSampleId : AU-05-010219-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

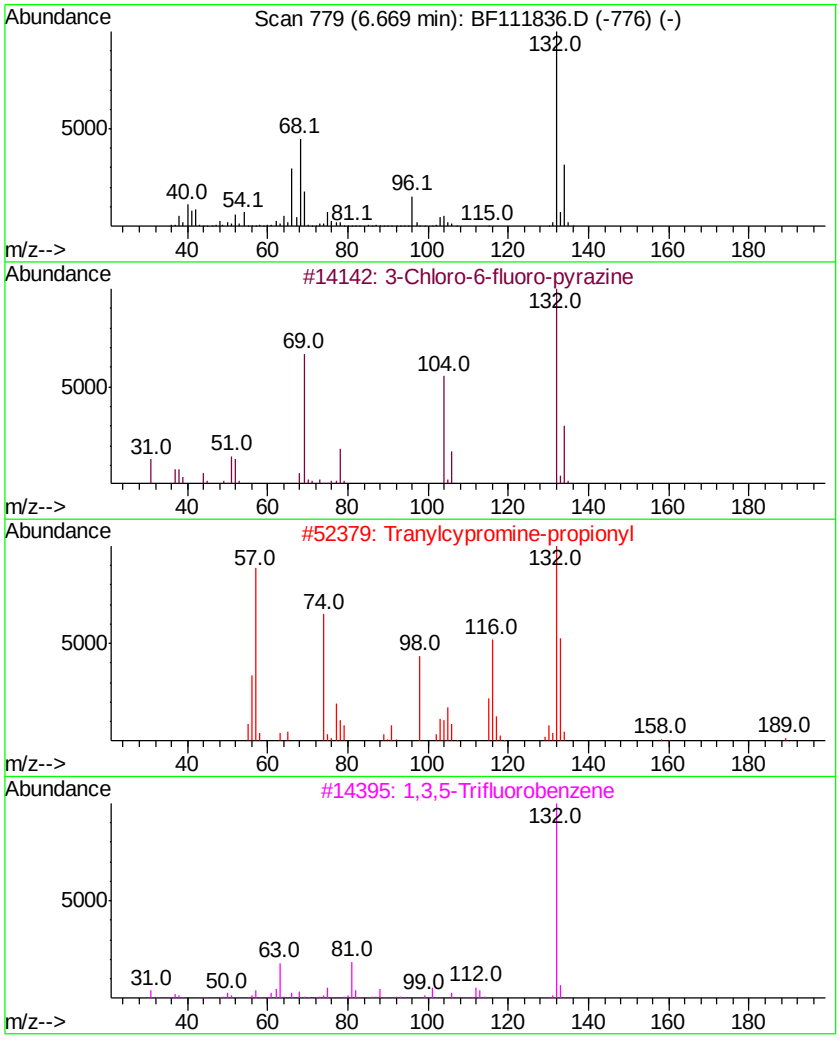
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

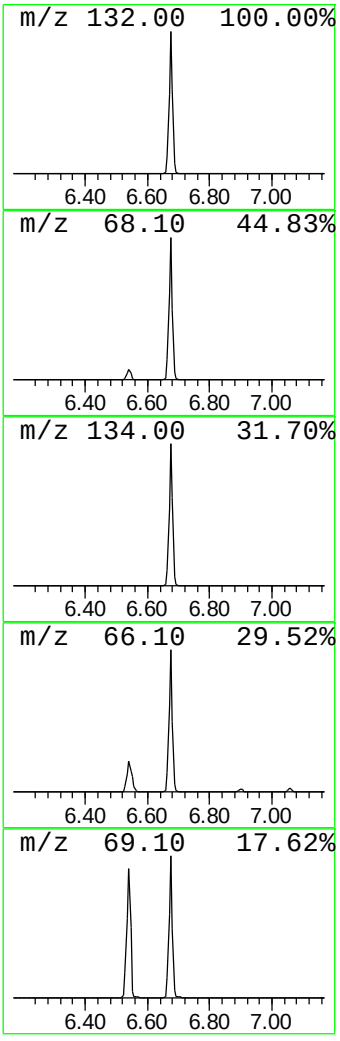
****

Peak Number 2 unknown6.67 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.67	33.82 ng	2679110	1,4-Dichlorobenzene-d4	6.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
3	1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	9
4	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	9
5	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9





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Data File : BF111836.D
Acq On : 3 Jan 2019 22:10
Operator : JU/SJ
Sample : K1002-03 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AU-05-010219-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

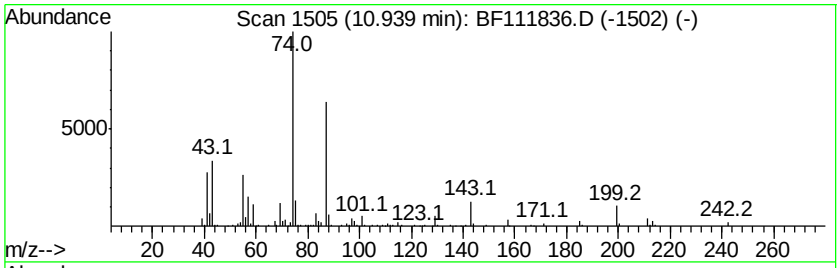
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

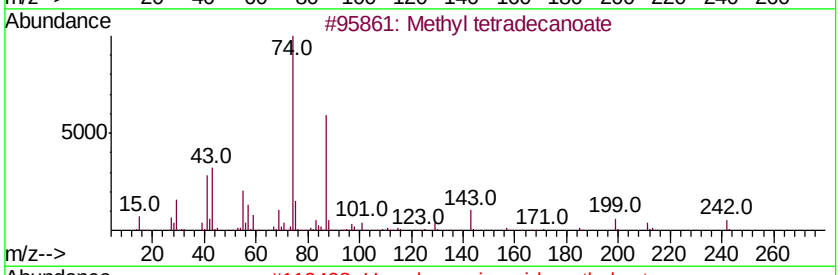
****

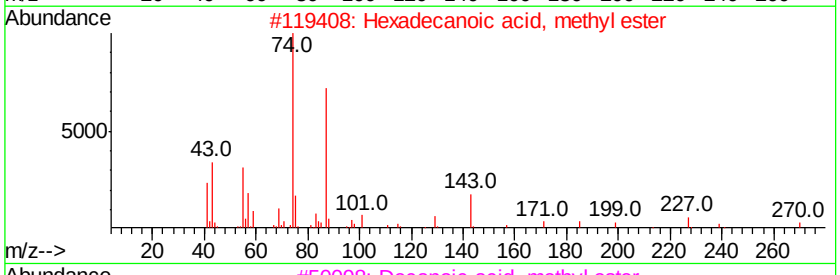
Peak Number 4 Methyl tetradecanoate Concentration Rank 10

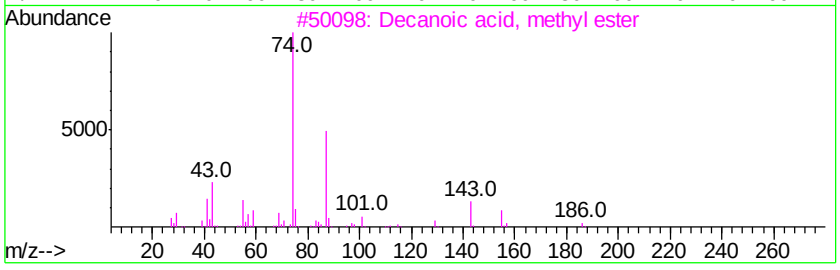
R.T.	EstConc	Area	Relative to ISTD	R.T.
10.94	3.62 ng	331896	Phenanthrene-d10	11.43

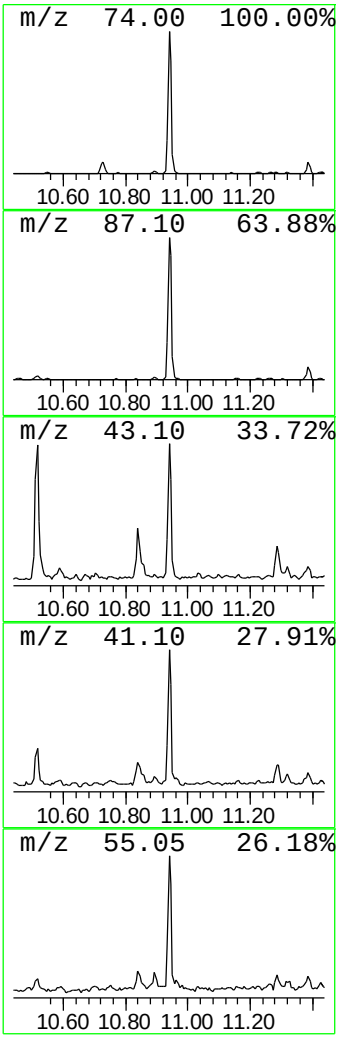
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methyl tetradecanoate	242	C15H30O2	000124-10-7	91
2	Hexadecanoic acid, methyl ester	270	C17H34O2	000112-39-0	87
3	Decanoic acid, methyl ester	186	C11H22O2	000110-42-9	86
4	Tridecanoic acid, methyl ester	228	C14H28O2	001731-88-0	86
5	Dodecanoic acid, methyl ester	214	C13H26O2	000111-82-0	86











Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010319\
Data File : BF111836.D
Acq On : 3 Jan 2019 22:10
Operator : JU/SJ
Sample : K1002-03 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AU-05-010219-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

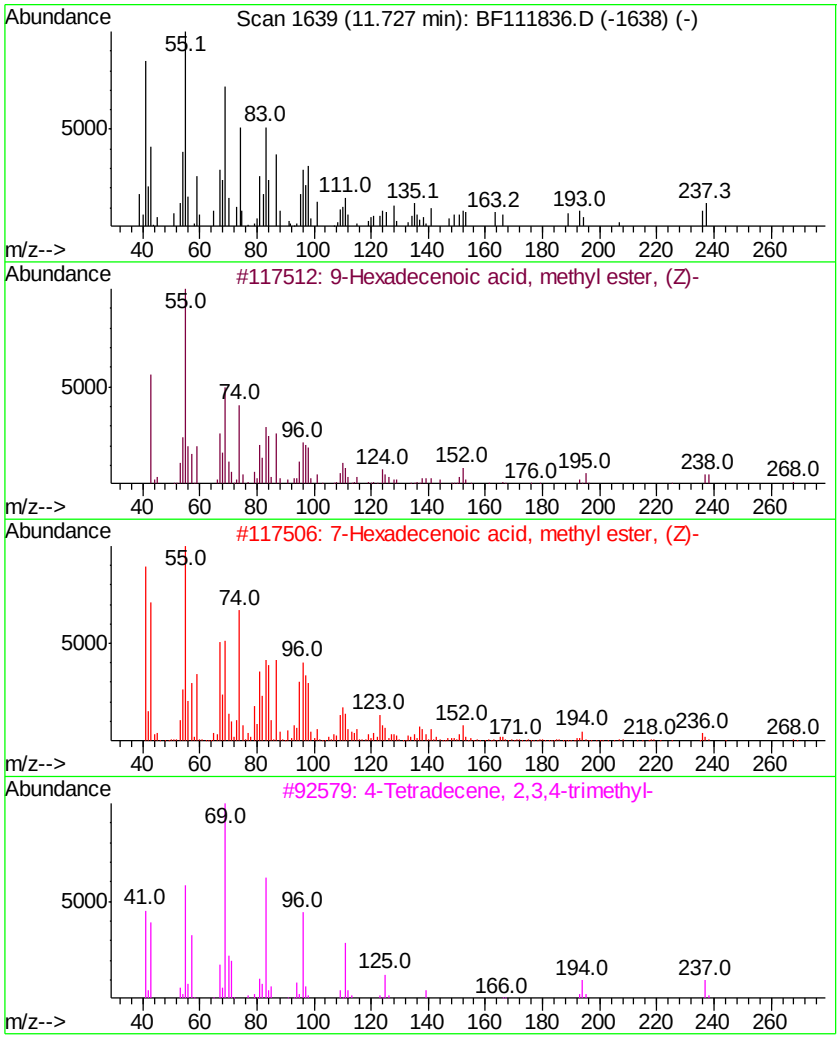
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

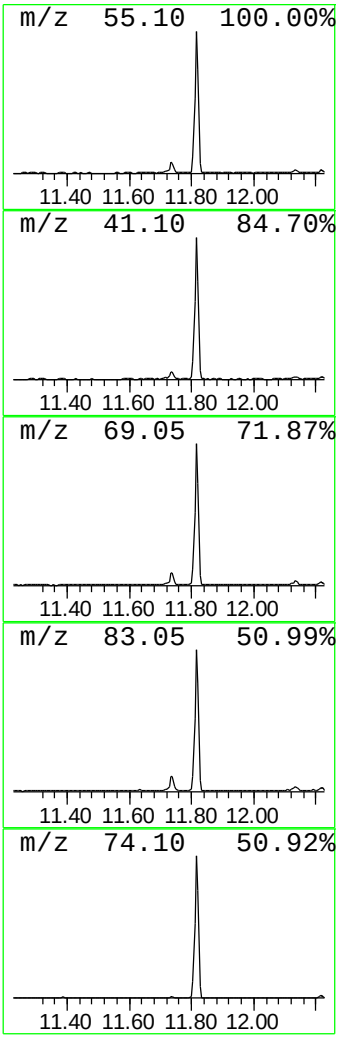
****

Peak Number 5 9-Hexadecenoic acid, methyl... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.73	3.48 ng	319193	Phenanthrene-d10	11.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Hexadecenoic acid, methyl este...	268	C17H32O2	001120-25-8	87
2	7-Hexadecenoic acid, methyl este...	268	C17H32O2	056875-67-3	72
3	4-Tetradecene, 2,3,4-trimethyl-	238	C17H34	055103-81-6	51
4	cis-9-Hexadecenoic acid	254	C16H30O2	1000333-19-5	46
5	Palmitoleic acid	254	C16H30O2	000373-49-9	45





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010319\
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Sample : K1002-03 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AU-05-010219-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

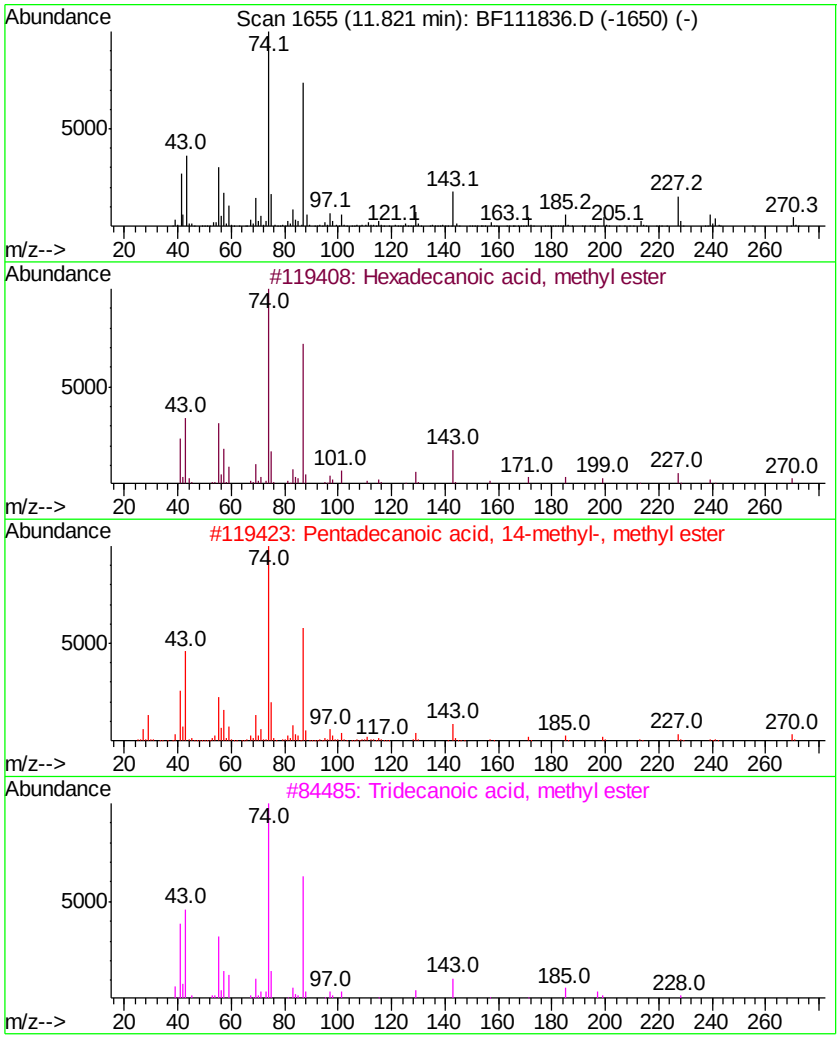
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

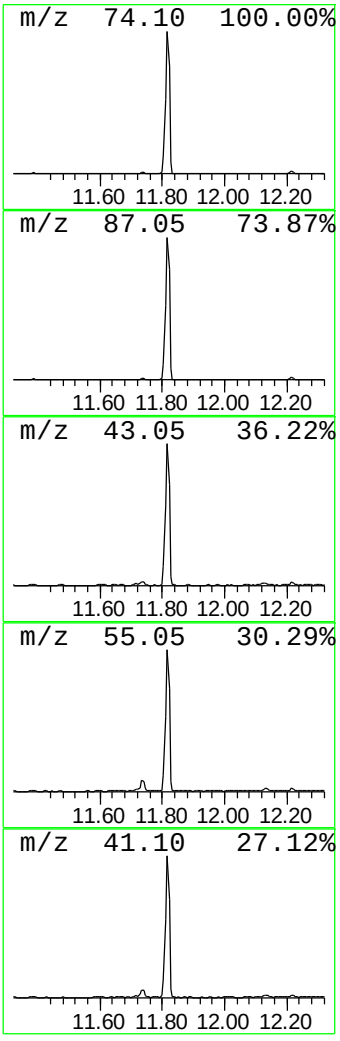
****

Peak Number 6 Hexadecanoic acid, methyl e... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.82	75.48 ng	6916730	Phenanthrene-d10	11.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecanoic acid, methyl ester	270	C17H34O2	000112-39-0	98
2	Pentadecanoic acid, 14-methyl-, ...	270	C17H34O2	005129-60-2	97
3	Tridecanoic acid, methyl ester	228	C14H28O2	001731-88-0	91
4	Methyl tetradecanoate	242	C15H30O2	000124-10-7	91
5	Pentadecanoic acid, methyl ester	256	C16H32O2	007132-64-1	86





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010319\
Data File : BF111836.D
Acq On : 3 Jan 2019 22:10
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Sample : K1002-03 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AU-05-010219-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

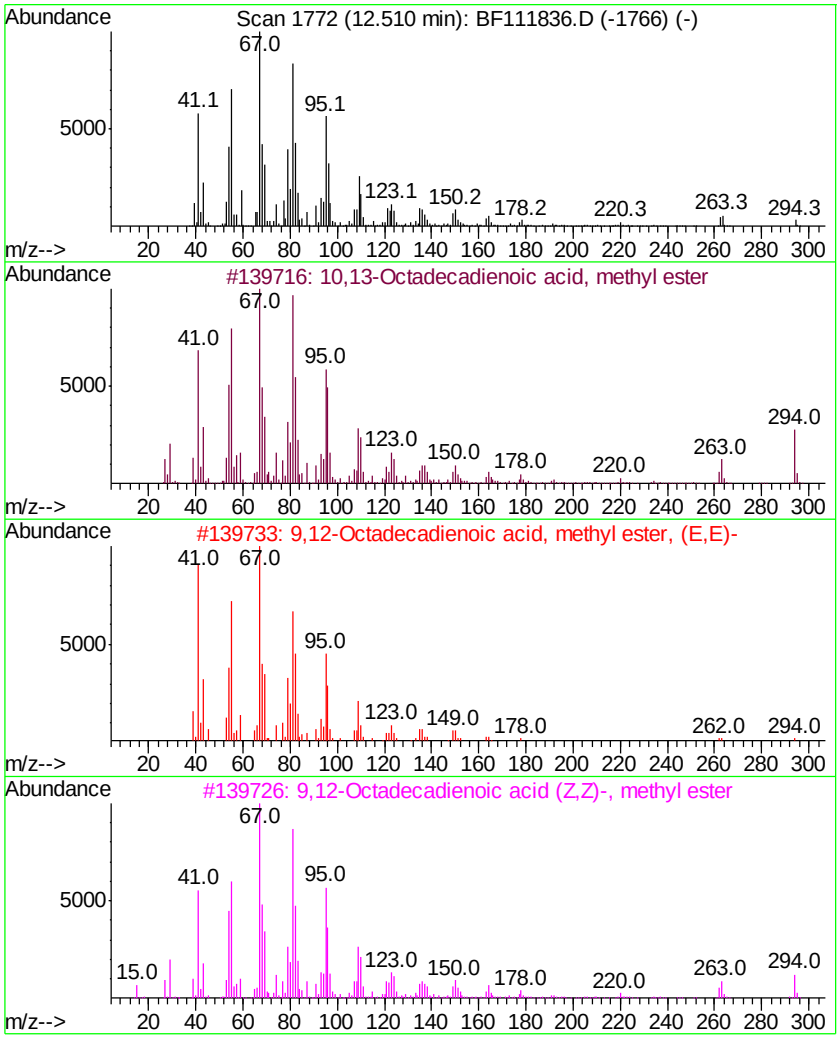
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

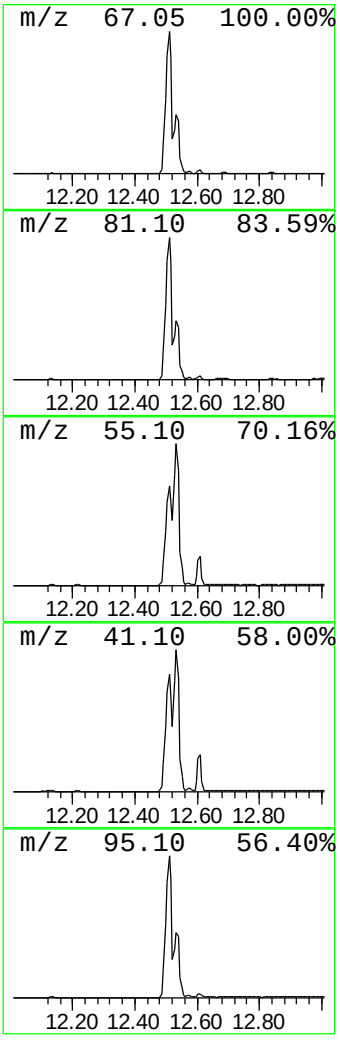
****

Peak Number 7 10,13-Octadecadienoic acid,... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.51	175.00 ng	16036500	Phenanthrene-d10	11.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	10,13-Octadecadienoic acid, meth...	294	C19H34O2	056554-62-2	99
2	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002566-97-4	99
3	9,12-Octadecadienoic acid (Z,Z)-...	294	C19H34O2	000112-63-0	99
4	9,15-Octadecadienoic acid, methy...	294	C19H34O2	017309-05-6	99
5	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002462-85-3	99





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Instrument : BNA_F
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

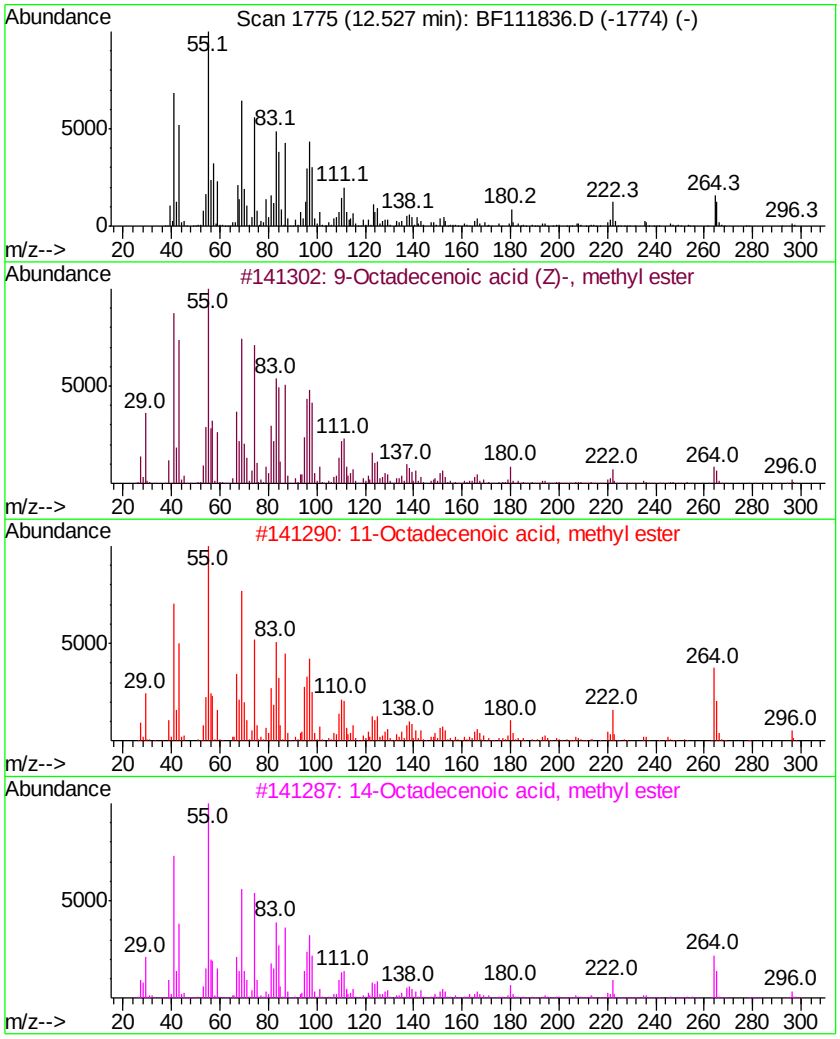
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

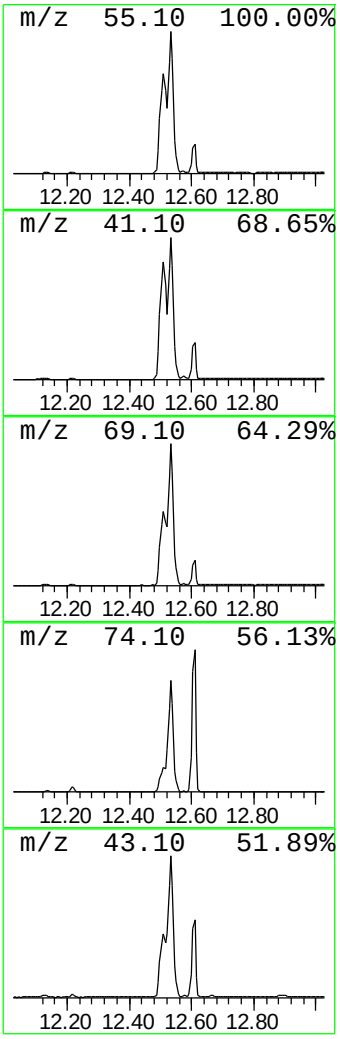
****

Peak Number 8 9-Octadecenoic acid (Z)-, m... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.53	152.37 ng	13963000	Phenanthrene-d10	11.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Octadecenoic acid (Z)-, methyl...	296	C19H36O2	000112-62-9	99
2	11-Octadecenoic acid, methyl ester	296	C19H36O2	052380-33-3	99
3	14-Octadecenoic acid, methyl ester	296	C19H36O2	056554-48-4	99
4	16-Octadecenoic acid, methyl ester	296	C19H36O2	056554-49-5	99
5	13-Octadecenoic acid, methyl ester	296	C19H36O2	056554-47-3	99





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010319\
Data File : BF111836.D
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ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

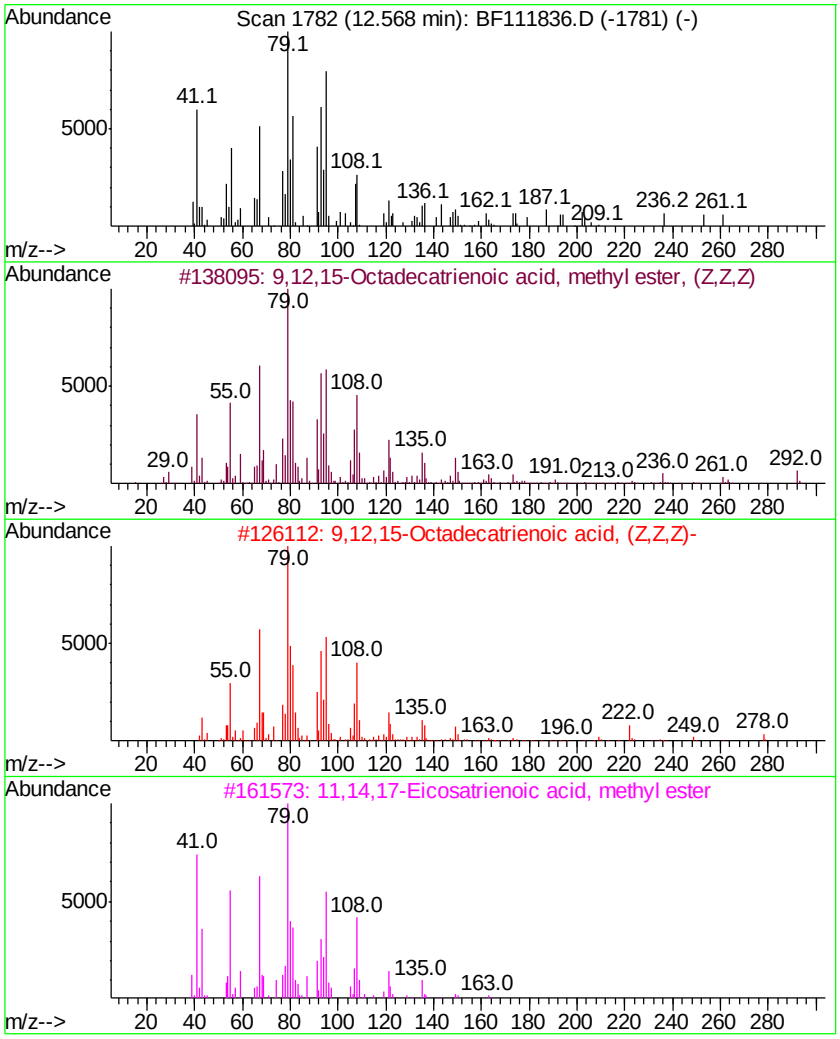
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

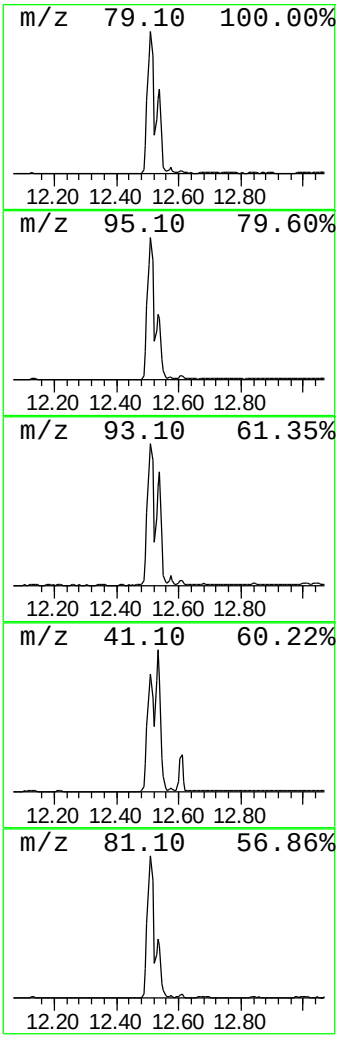
****

Peak Number 9 9,12,15-Octadecatrienoic ac... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.57	2.04 ng	187017	Phenanthrene-d10	11.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,12,15-Octadecatrienoic acid, m...	292	C19H32O2	000301-00-8	90
2	9,12,15-Octadecatrienoic acid, (...	278	C18H30O2	000463-40-1	87
3	11,14,17-Eicosatrienoic acid, me...	320	C21H36O2	055682-88-7	81
4	Methyl (Z)-5,11,14,17-eicosatetr...	318	C21H34O2	059149-01-8	80
5	9,12,15-Octadecatrien-1-ol, (Z,Z...	264	C18H32O	000506-44-5	74





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010319\
Data File : BF111836.D
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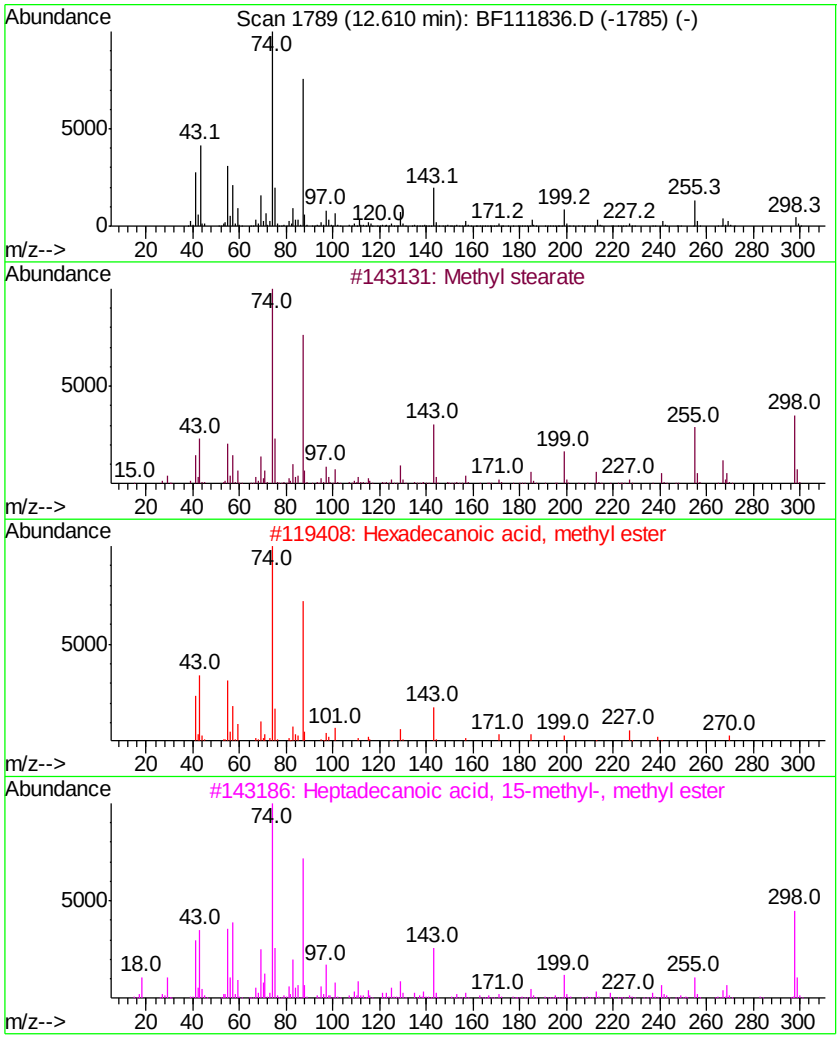
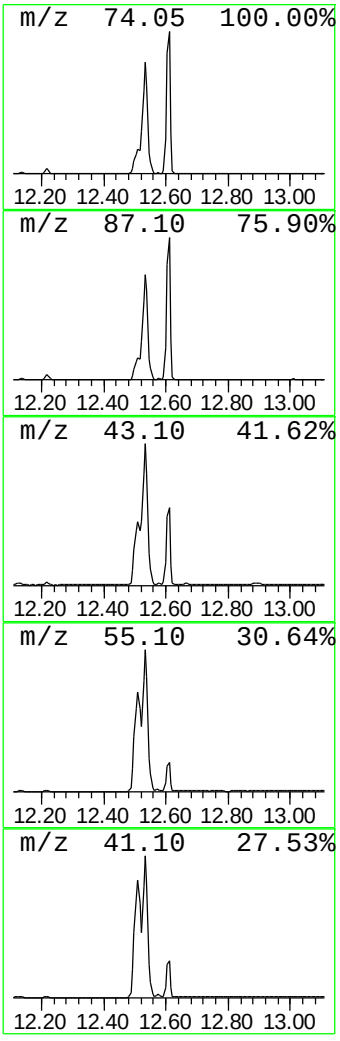
****

Peak Number 10 Methyl stearate Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.61	34.03 ng	3118650	Phenanthrene-d10	11.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methyl stearate	298	C19H38O2	000112-61-8	98
2	Hexadecanoic acid, methyl ester	270	C17H34O2	000112-39-0	90
3	Heptadecanoic acid, 15-methyl-, ...	298	C19H38O2	054833-55-5	90
4	Heptadecanoic acid, 16-methyl-, ...	298	C19H38O2	005129-61-3	89
5	Pentadecanoic acid, methyl ester	256	C16H32O2	007132-64-1	87





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Acq On : 3 Jan 2019 22:10
Operator : JU/SJ
Sample : K1002-03 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AU-05-010219-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121918.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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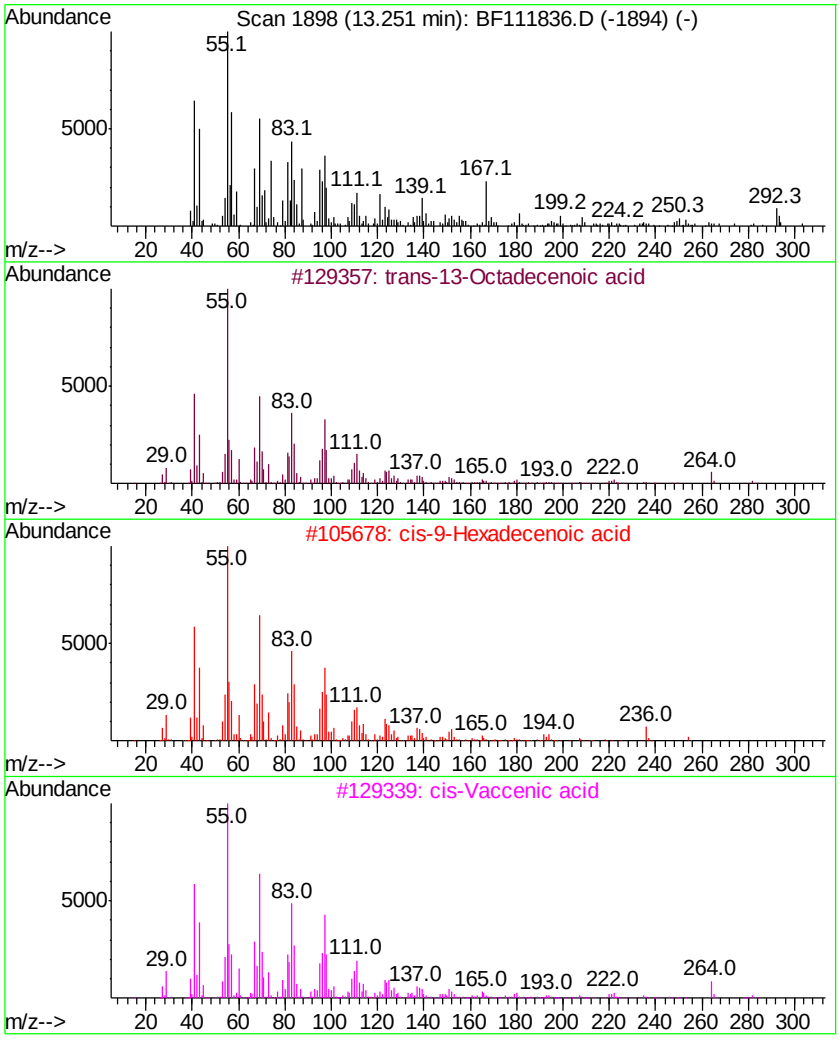
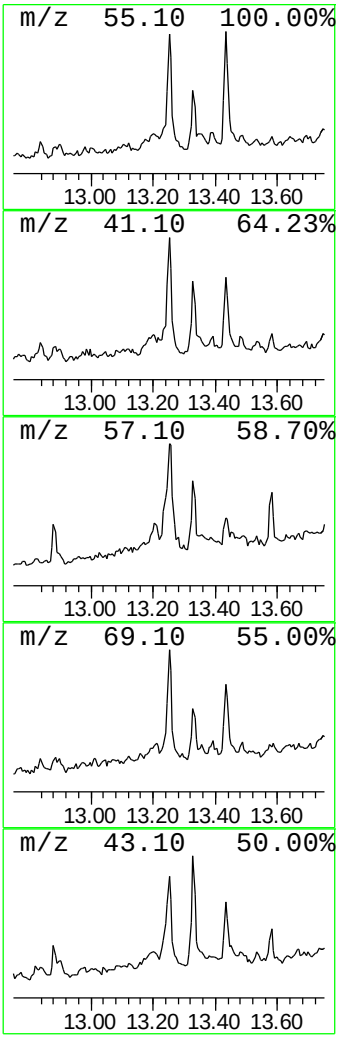
Peak Number 11 trans-13-Octadecenoic acid Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.25	6.83 ng	493470	Chrysene-d12	14.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	trans-13-Octadecenoic acid	282	C18H34O2	000693-71-0	91
2	cis-9-Hexadecenoic acid	254	C16H30O2	1000333-19-5	91
3	cis-Vaccenic acid	282	C18H34O2	000506-17-2	90
4	10-Heneicosene (c,t)	294	C21H42	095008-11-0	86
5	cis-10-Heptadecenoic acid, methy...	282	C18H34O2	1000333-62-1	83





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Acq On : 3 Jan 2019 22:10
Operator : JU/SJ
Sample : K1002-03 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AU-05-010219-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121918.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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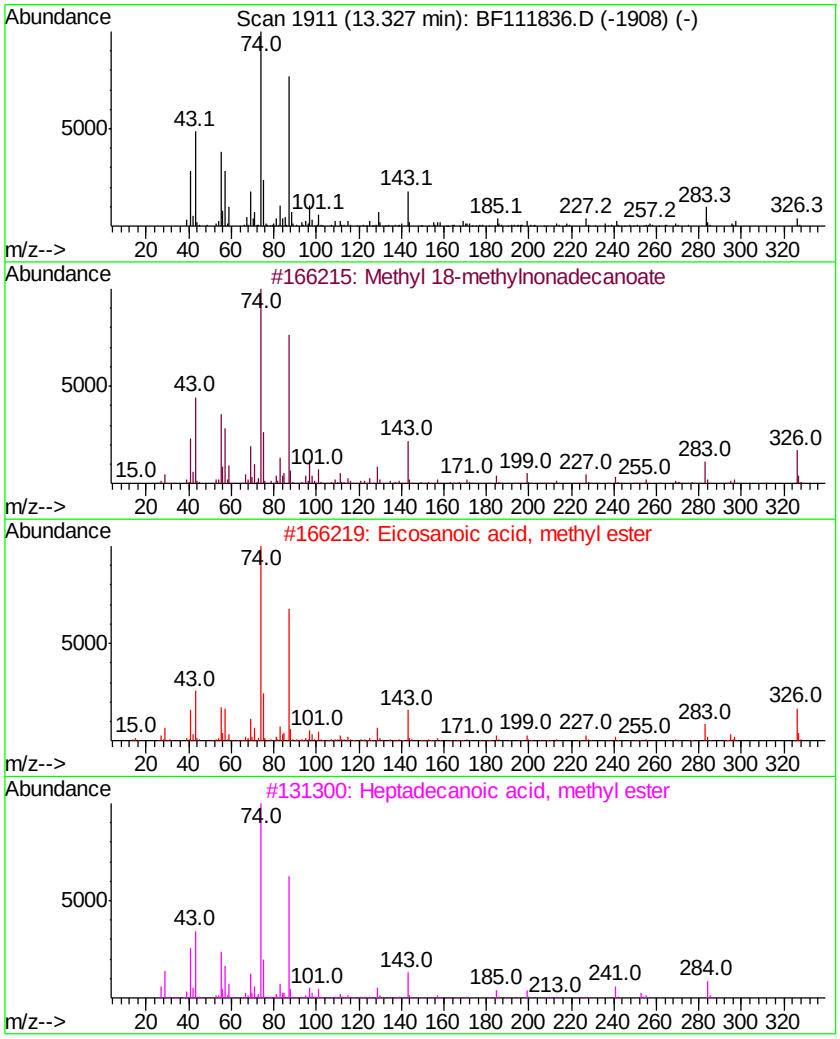
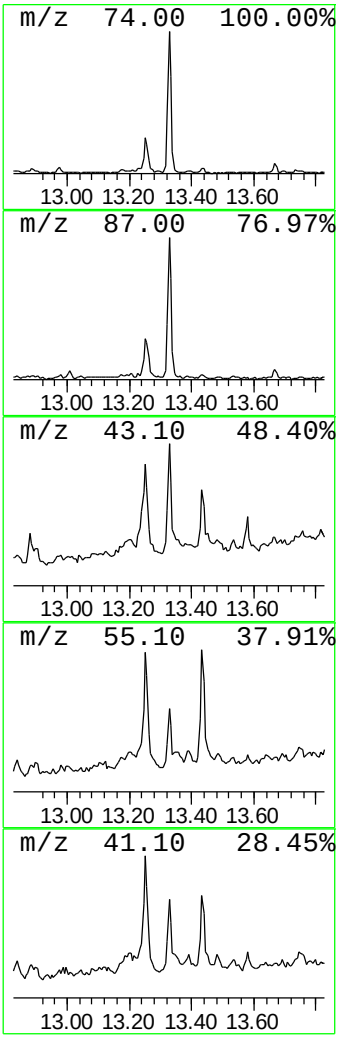
Peak Number 12 Methyl 18-methylnonadecanoate Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.33	4.55 ng	328647	Chrysene-d12	14.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methyl 18-methylnonadecanoate	326	C21H42O2	1000352-20-6	95
2	Eicosanoic acid, methyl ester	326	C21H42O2	001120-28-1	93
3	Heptadecanoic acid, methyl ester	284	C18H36O2	001731-92-6	93
4	Hexadecanoic acid, 15-methyl-, m...	284	C18H36O2	006929-04-0	91
5	Hexadecanoic acid, methyl ester	270	C17H34O2	000112-39-0	90





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Data File : BF111836.D
Acq On : 3 Jan 2019 22:10
Operator : JU/SJ
Sample : K1002-03 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AU-05-010219-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121918.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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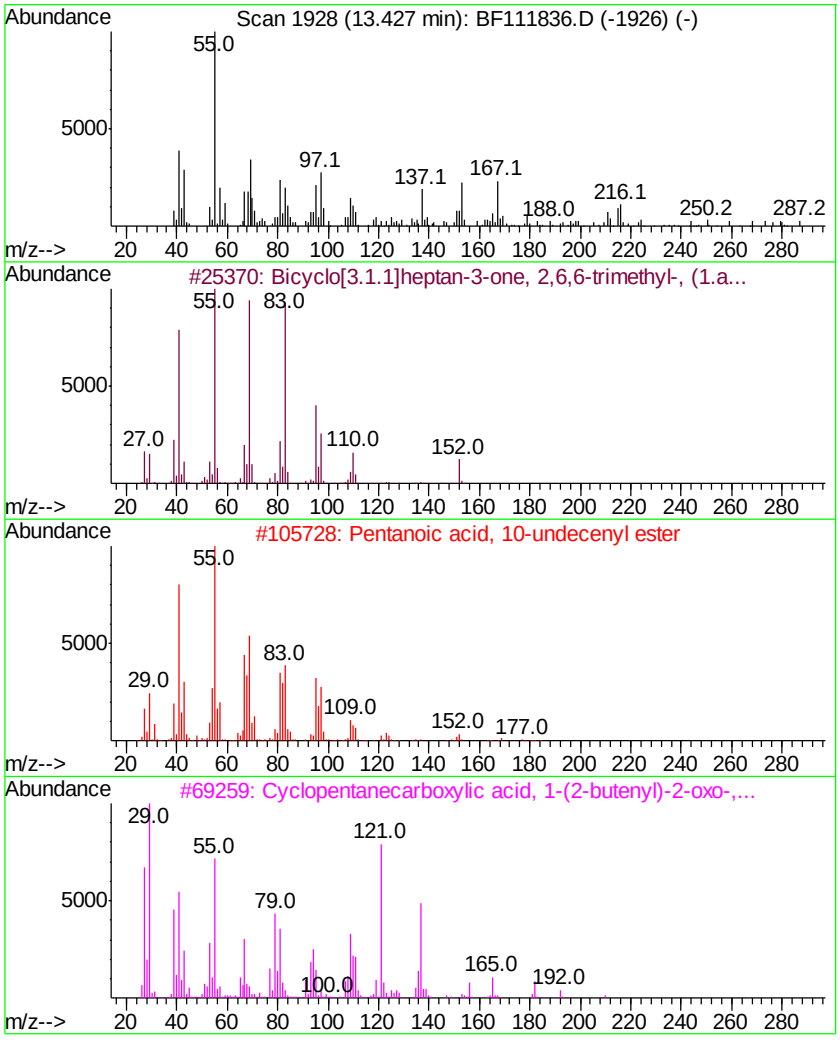
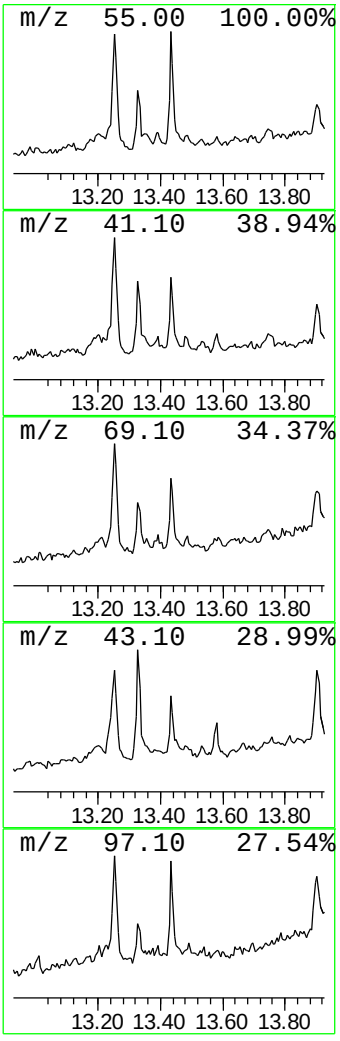
Peak Number 13 unknown13.43 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.43	4.03 ng	291164	Chrysene-d12	14.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[3.1.1]heptan-3-one, 2,6,...	152	C10H16O	000547-60-4	30
2	Pentanoic acid, 10-undecenyl ester	254	C16H30O2	1000159-93-4	16
3	Cyclopentanecarboxylic acid, 1-(...	210	C12H18O3	112825-89-5	14
4	Cyclohexanemethanol, 4-methyl-, ...	128	C8H16O	003937-48-2	12
5	Nona-2,3-dienoic acid, ethyl ester	182	C11H18O2	1000187-19-2	10





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Instrument : BNA_F
ClientSampleId : AU-05-010219-B

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TIC Library : C:\DATABASE\NIST11.L
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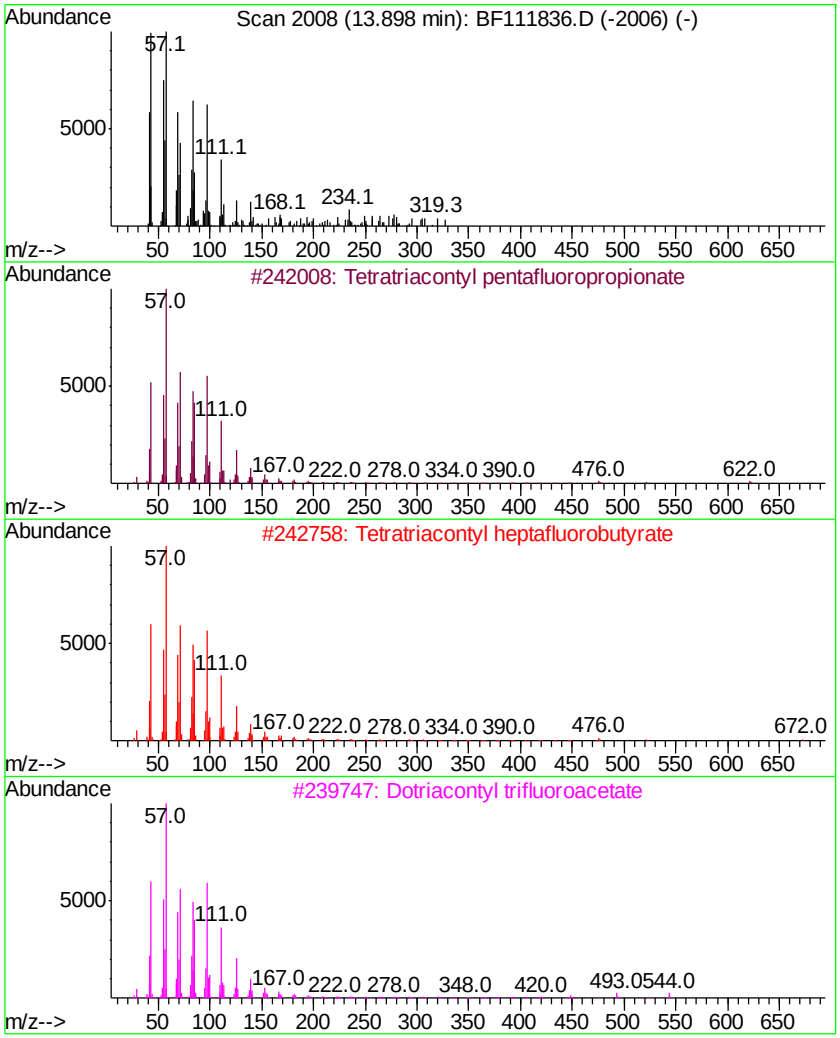
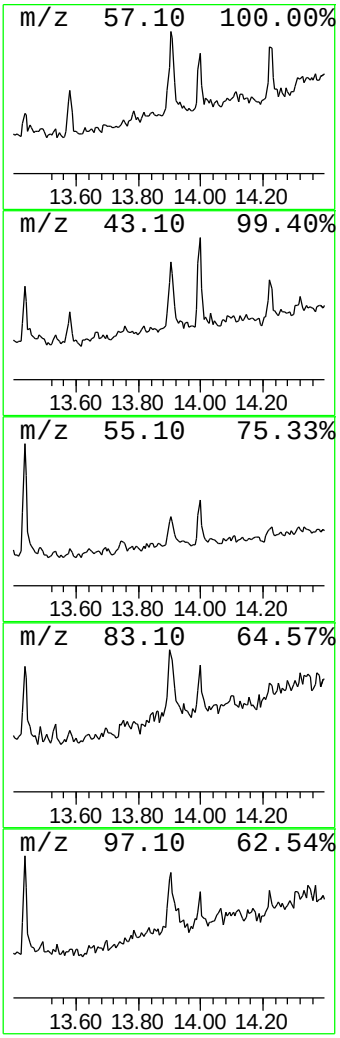
Peak Number 14 Tetratriacontyl pentafluoro... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.90	2.22 ng	160718	Chrysene-d12	14.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetratriacontyl pentafluoropropi...	641	C37H69F5O2	1000351-81-5	90
2	Tetratriacontyl heptafluorobutyrate	691	C38H69F7O2	1000351-84-1	90
3	Dotriacontyl trifluoroacetate	562	C34H65F3O2	1000351-75-4	90
4	Dotriacontyl heptafluorobutyrate	662	C36H65F7O2	1000351-84-2	90
5	Octatriacontyl trifluoroacetate	647	C40H77F3O2	1000351-88-7	87





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Data File : BF111836.D
Acq On : 3 Jan 2019 22:10
Operator : JU/SJ
Sample : K1002-03 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AU-05-010219-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121918.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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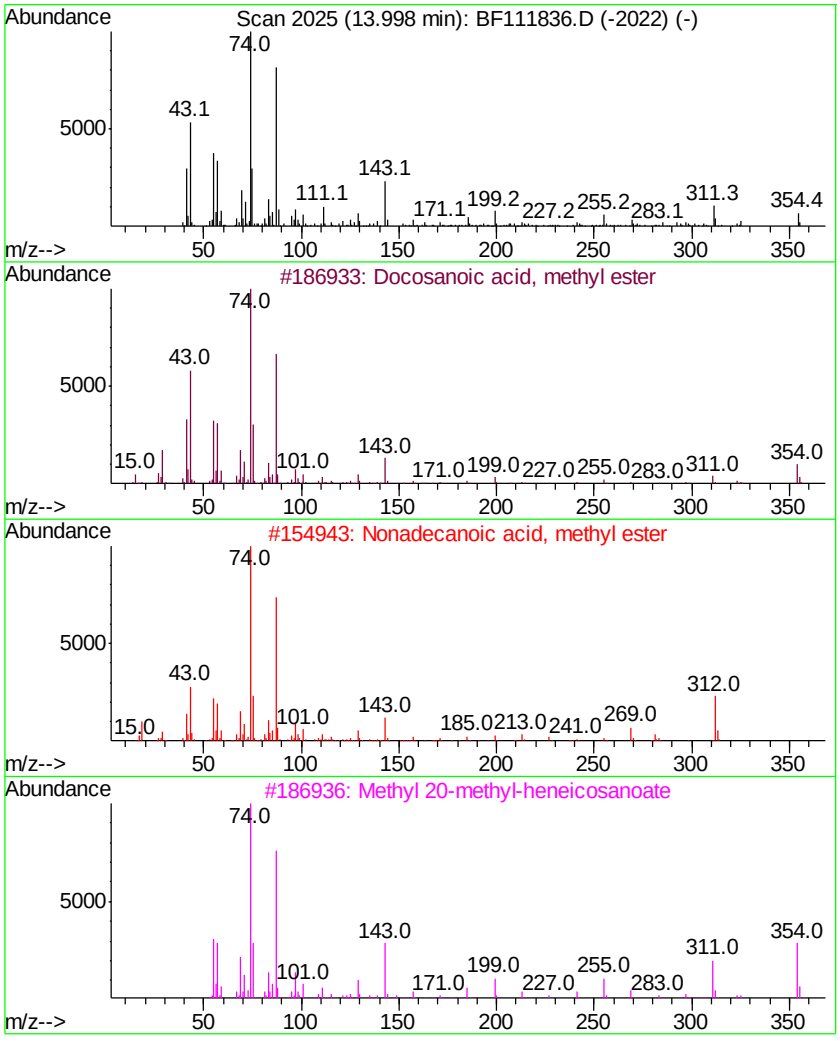
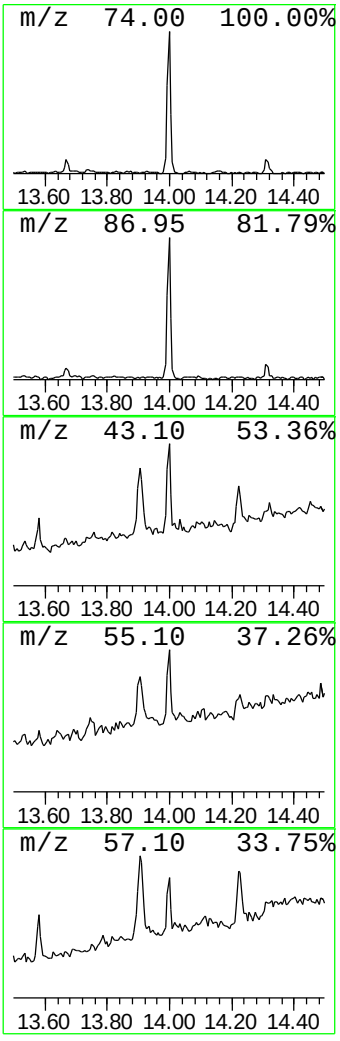
Peak Number 15 Docosanoic acid, methyl ester Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.00	3.20 ng	231611	Chrysene-d12	14.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Docosanoic acid, methyl ester	354	C23H46O2	000929-77-1	98
2	Nonadecanoic acid, methyl ester	312	C20H40O2	001731-94-8	95
3	Methyl 20-methyl-heneicosanoate	354	C23H46O2	1000336-47-4	90
4	Hexadecanoic acid, 15-methyl-, m...	284	C18H36O2	006929-04-0	83
5	Methyl stearate	298	C19H38O2	000112-61-8	83





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF010319\
Data File : BF111836.D
Acq On : 3 Jan 2019 22:10
Operator : JU/SJ
Sample : K1002-03 2X
Misc :
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Instrument : BNA_F
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121918.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
2-Pentanone, 4-hy...	5.10	2.1	ng	166602	1	6.90	1584310	20.0
unknown6.67	6.67	33.8	ng	2679110	1	6.90	1584310	20.0
Methyl tetradecan...	10.94	3.6	ng	331896	4	11.43	1832730	20.0
9-Hexadecenoic ac...	11.73	3.5	ng	319193	4	11.43	1832730	20.0
Hexadecanoic acid...	11.82	75.5	ng	6916730	4	11.43	1832730	20.0
10,13-Octadecadie...	12.51	175.0	ng	16036500	4	11.43	1832730	20.0
9-Octadecenoic ac...	12.53	152.4	ng	13963000	4	11.43	1832730	20.0
9,12,15-Octadecat...	12.57	2.0	ng	187017	4	11.43	1832730	20.0
Methyl stearate	12.61	34.0	ng	3118650	4	11.43	1832730	20.0
trans-13-Octadece...	13.25	6.8	ng	493470	5	14.07	1445580	20.0
Methyl 18-methyln...	13.33	4.5	ng	328647	5	14.07	1445580	20.0
unknown13.43	13.43	4.0	ng	291164	5	14.07	1445580	20.0
Tetratriacontyl p...	13.90	2.2	ng	160718	5	14.07	1445580	20.0
Docosanoic acid, ...	14.00	3.2	ng	231611	5	14.07	1445580	20.0