LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092418\
Data File : BF109267.D
Acq On : 24 Sep 2018 15:08
Operator : JU/SJ
Sample : J4770-03 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-02-092118-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-BF092218.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	5.310	544	548	559	rBV	1057347	948298	21.96%	3.721%
2	6.339	719	723	726	rBV	1211445	996055	23.06%	3.908%
3	6.475	742	746	749	rBV	1178469	1024474	23.72%	4.020%
4	6.704	782	785	789	rBV	859249	728540	16.87%	2.859%
5	6.863	808	812	815	rBV	1008189	792966	18.36%	3.111%
6	7.263	876	880	883	rBV	787122	613063	14.19%	2.406%
7	7.986	999	1003	1007	rBV	1193171	957487	22.17%	3.757%
8	9.063	1182	1186	1189	rBV	1511519	1161272	26.89%	4.557%
9	9.157	1196	1202	1205	rBV	74278	63524	1.47%	0.249%
10	9.457	1250	1253	1255	rBV	326209	262385	6.08%	1.030%
11	9.686	1289	1292	1294	rBV	99318	84372	1.95%	0.331%
12	9.733	1297	1300	1304	rVV	1120564	1032731	23.91%	4.052%
13	10.180	1373	1376	1379	rVB	144011	107764	2.50%	0.423%
14	10.404	1410	1414	1416	rBV	53676	57810	1.34%	0.227%
15	10.516	1430	1433	1438	rVB	714391	601793	13.93%	2.361%
16	10.651	1453	1456	1463	rBV	187272	195838	4.53%	0.768%
17	11.098	1529	1532	1535	rBV	173392	139351	3.23%	0.547%
18	11.127	1535	1537	1543	rVB	63320	66539	1.54%	0.261%
19	11.210	1548	1551	1554	rVV	921047	867789	20.09%	3.405%
20	11.233	1554	1555	1559	rVB	92832	61301	1.42%	0.241%
21	11.521	1601	1604	1607	rBV	143571	128918	2.98%	0.506%
22	11.621	1617	1621	1624	rBV	2004815	1513671	35.05%	5.939%
23	11.751	1639	1643	1647	rBV2	86074	89935	2.08%	0.353%
24	11.821	1652	1655	1658	rBV3	36874	44019	1.02%	0.173%
25	11.927	1670	1673	1679	rVB	133931	127341	2.95%	0.500%
26	12.310	1733	1738	1739	rBV	4337391	4318895	100.00%	16.946%
27	12.327	1739	1741	1747	rVB	3731760	3587378	83.06%	14.076%
28	12.410	1752	1755	1759	rBV2	940052	842446	19.51%	3.306%
29	12.457	1762	1763	1767	rVB3	72325	65955	1.53%	0.259%
30	12.645	1790	1795	1799	rBV	208331	198666	4.60%	0.780%
31	12.686	1799	1802	1805	rBV	88902	71477	1.65%	0.280%
32	12.792	1816	1820	1824	rVB	955422	782090	18.11%	3.069%
33	12.962	1846	1849	1859	rBV2	118305	213078	4.93%	0.836%
34	13.039	1859	1862	1867	rVV2	104699	148803	3.45%	0.584%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092418\
Data File : BF109267.D
Acq On : 24 Sep 2018 15:08
Operator : JU/SJ
Sample : J4770-03 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-02-092118-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-BF092218.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	13.133	1875	1878	1881	rBV	108542	89906	2.08%	0.353%
36	13.239	1893	1896	1900	rBV2	101428	103886	2.41%	0.408%
37	13.380	1917	1920	1925	rBV2	71998	70330	1.63%	0.276%
38	13.551	1946	1949	1952	rVB3	41705	44920	1.04%	0.176%
39	13.709	1973	1976	1981	rVB	80767	90492	2.10%	0.355%
40	13.798	1988	1991	1994	rBV	89557	85551	1.98%	0.336%
41	13.839	1994	1998	2001	rBV	973907	875014	20.26%	3.433%
42	14.021	2027	2029	2032	rVB2	82076	69936	1.62%	0.274%
43	14.327	2078	2081	2085	rVB	61772	54195	1.25%	0.213%
44	14.621	2128	2131	2137	rBV2	99729	109725	2.54%	0.431%
45	14.939	2182	2185	2191	rVB2	98102	105574	2.44%	0.414%
46	15.239	2232	2236	2240	rBV	607624	680672	15.76%	2.671%
47	15.292	2242	2245	2248	rVB	95538	108018	2.50%	0.424%
48	15.686	2310	2312	2318	rVB	76994	101263	2.34%	0.397%

Sum of corrected areas: 25485506

LSC Report - Integrated Chromatogram

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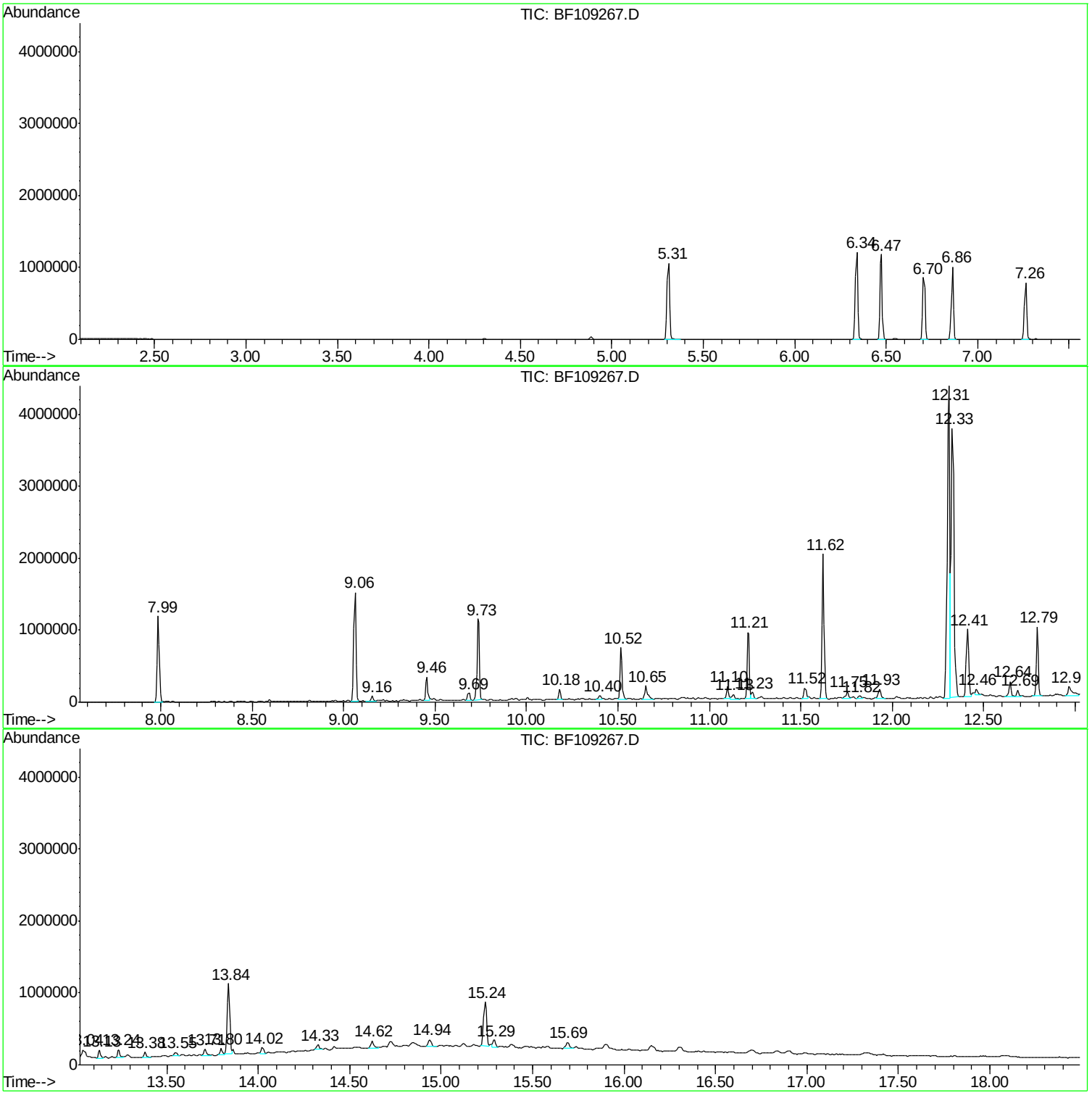
Acq On : 24 Sep 2018 15:08
Operator : JU/SJ
Sample : J4770-03 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-02-092118-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.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\BF092418\
Data File : BF109267.D
Acq On : 24 Sep 2018 15:08
Operator : JU/SJ
Sample : J4770-03 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-02-092118-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.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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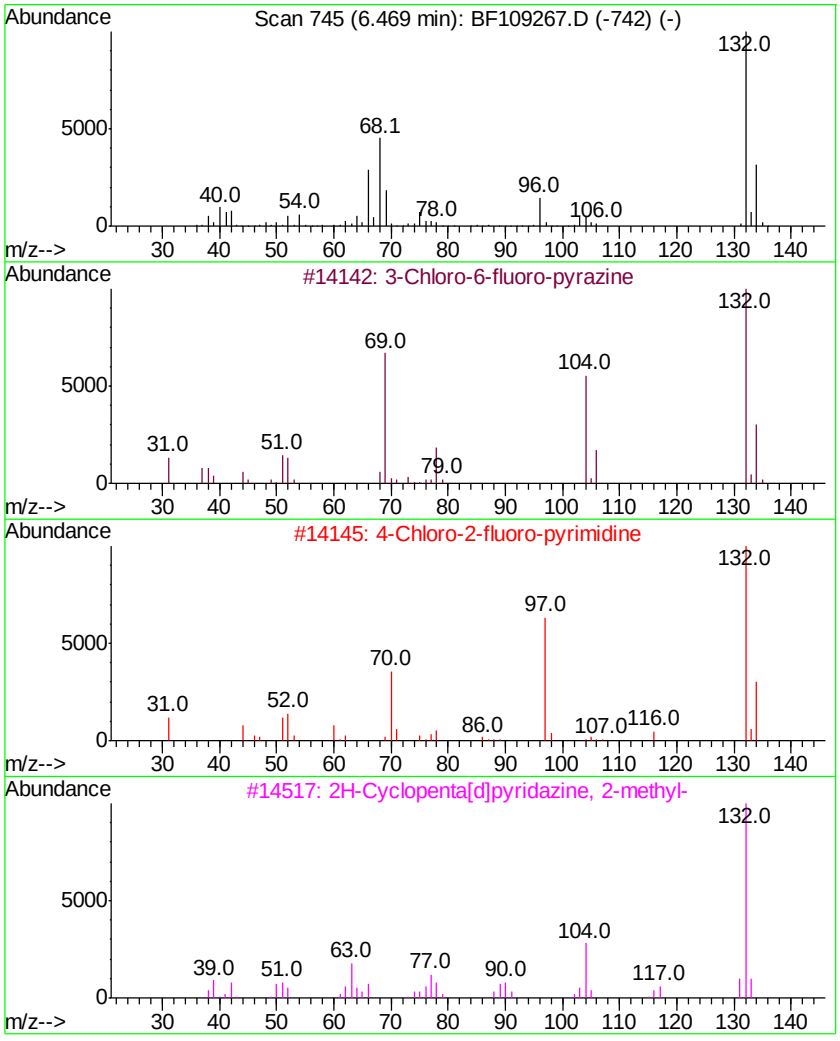
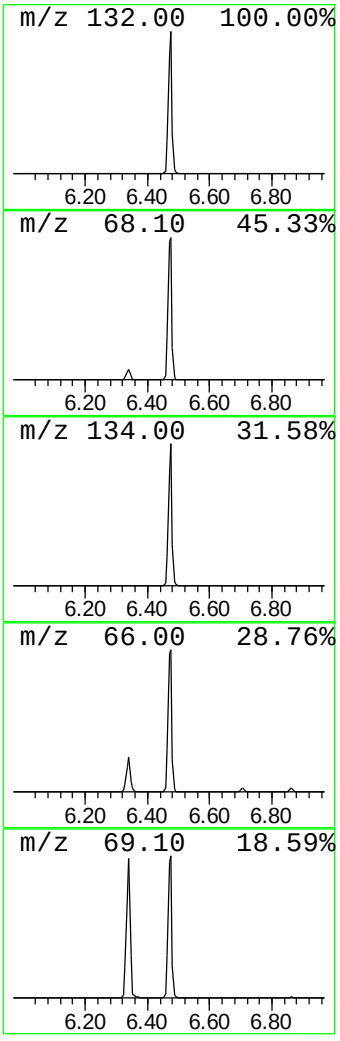
Peak Number 1 unknown6.47 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.47	28.12 ng	1024470	1,4-Dichlorobenzene-d4	6.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16
2	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9
3	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9
4	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	9
5	4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092418\
Data File : BF109267.D
Acq On : 24 Sep 2018 15:08
Operator : JU/SJ
Sample : J4770-03 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-02-092118-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.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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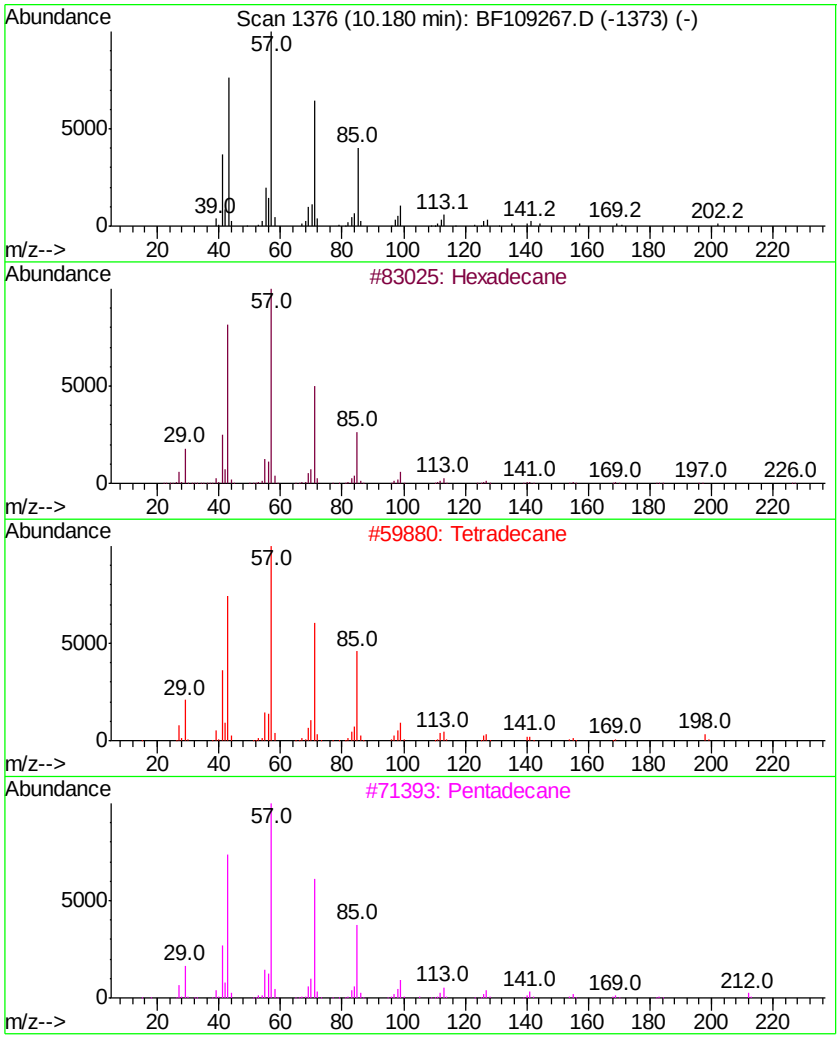
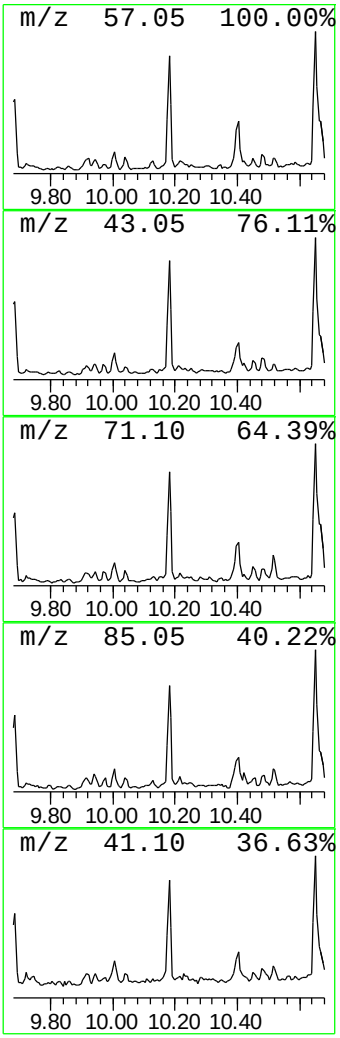
Peak Number 3 Hexadecane Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.18	2.09 ng	107764	Acenaphthene-d10	9.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	90
2	Tetradecane	198	C14H30	000629-59-4	87
3	Pentadecane	212	C15H32	000629-62-9	87
4	Tridecane	184	C13H28	000629-50-5	86
5	Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	83





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092418\
Data File : BF109267.D
Acq On : 24 Sep 2018 15:08
Operator : JU/SJ
Sample : J4770-03 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-02-092118-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.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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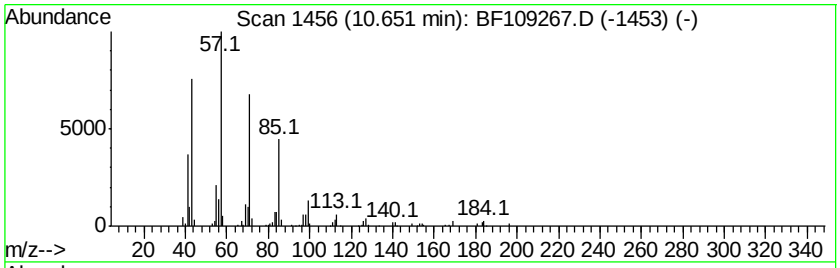
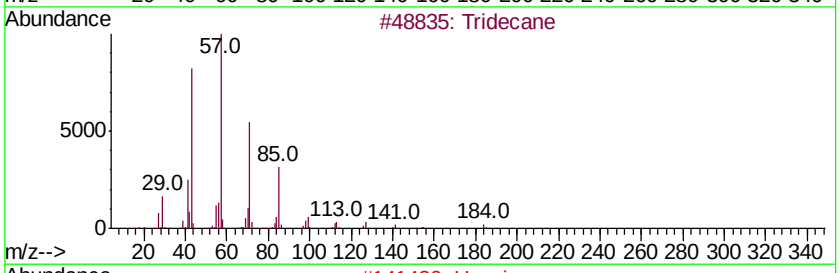
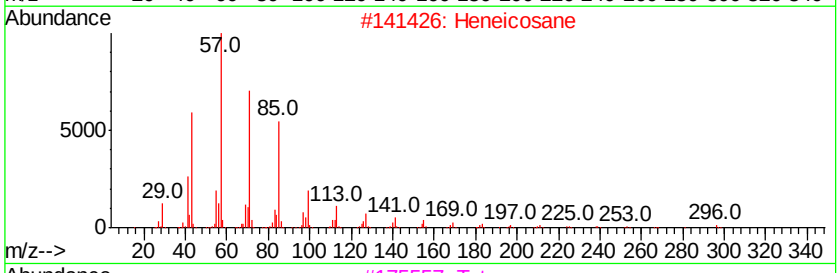
Peak Number 4 Tridecane Concentration Rank 7

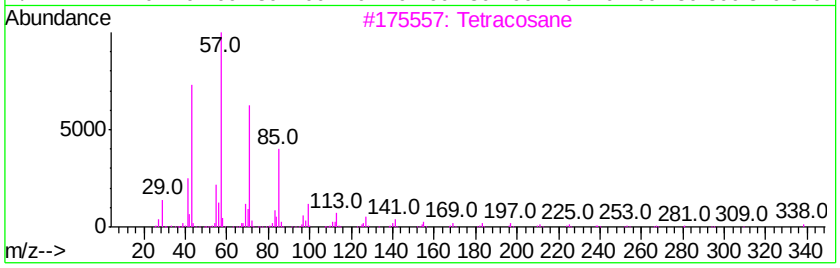
R.T.	EstConc	Area	Relative to ISTD	R.T.
10.65	4.51 ng	195838	Phenanthrene-d10	11.21

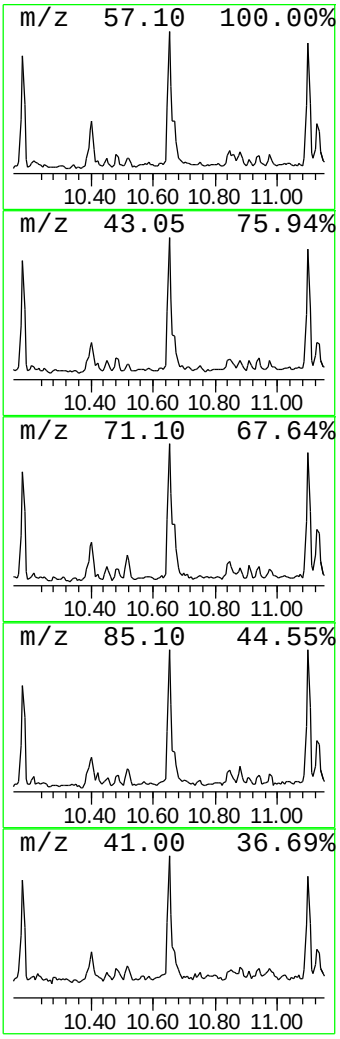
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	93
2	Heneicosane	296	C21H44	000629-94-7	91
3	Tetracosane	338	C24H50	000646-31-1	91
4	Heptacosane	380	C27H56	000593-49-7	90
5	Tritetracontane	605	C43H88	007098-21-7	90











Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092418\
Data File : BF109267.D
Acq On : 24 Sep 2018 15:08
Operator : JU/SJ
Sample : J4770-03 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-02-092118-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.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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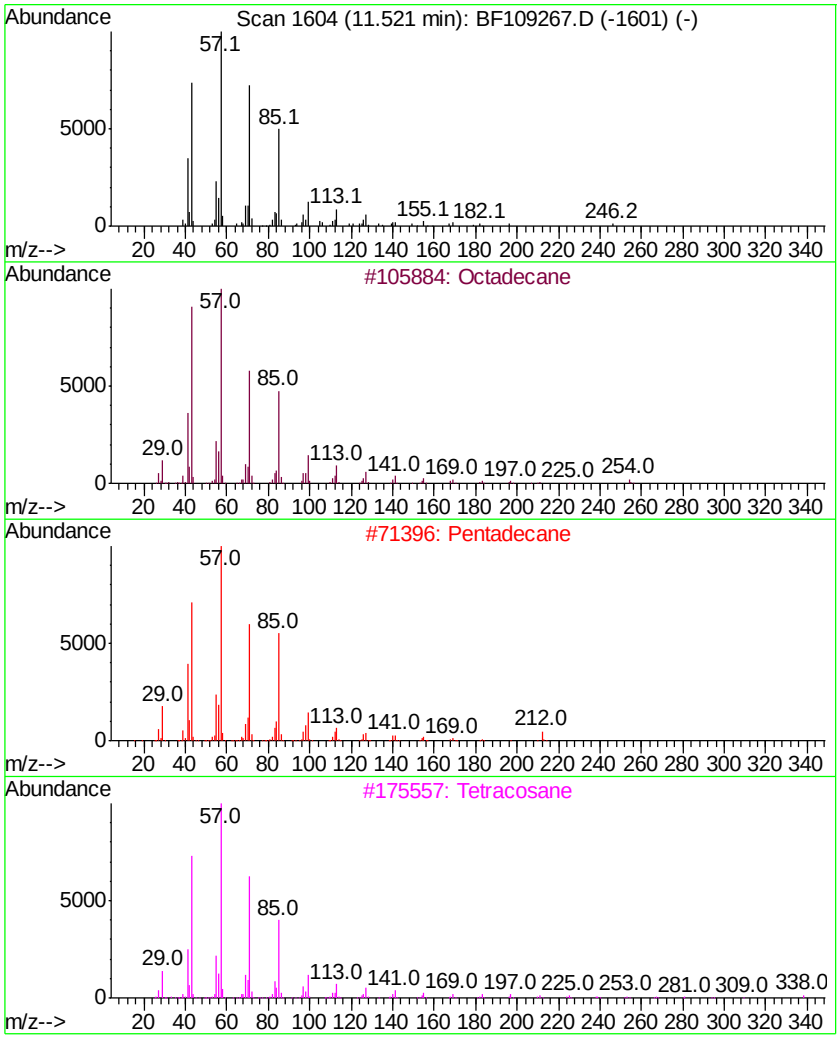
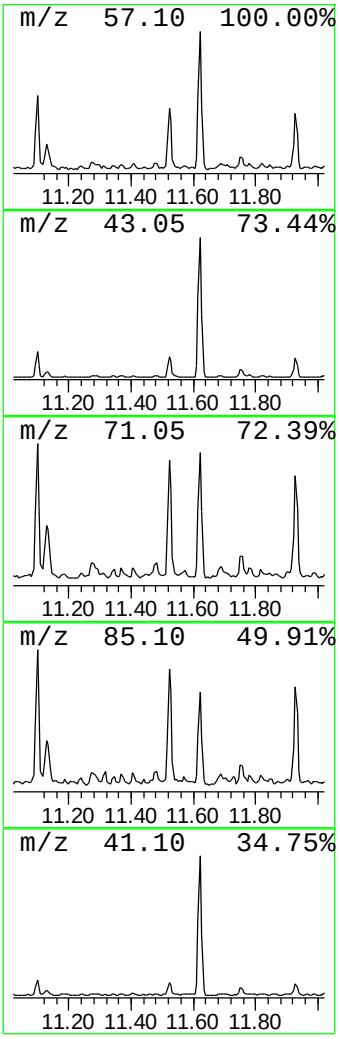
Peak Number 6 Octadecane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.52	2.97 ng	128918	Phenanthrene-d10	11.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane	254	C18H38	000593-45-3	90
2	Pentadecane	212	C15H32	000629-62-9	90
3	Tetracosane	338	C24H50	000646-31-1	87
4	Hexadecane	226	C16H34	000544-76-3	86
5	Tetradecane	198	C14H30	000629-59-4	86





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092418\
Data File : BF109267.D
Acq On : 24 Sep 2018 15:08
Operator : JU/SJ
Sample : J4770-03 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-02-092118-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.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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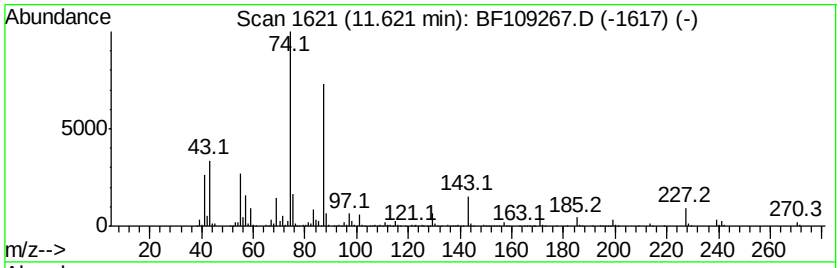
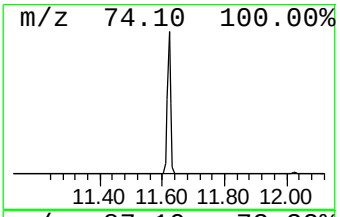
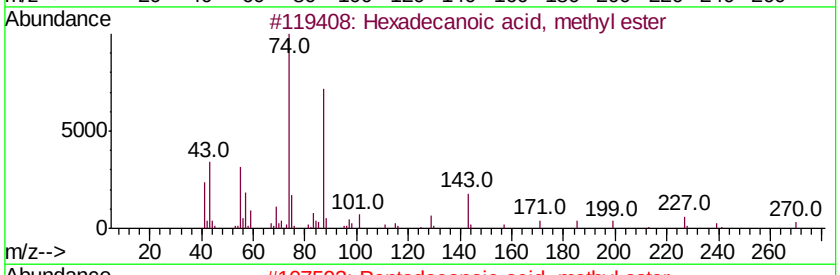
Peak Number 7 Hexadecanoic acid, methyl e... Concentration Rank 3

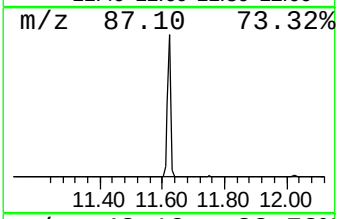
R.T.	EstConc	Area	Relative to ISTD	R.T.
11.62	34.89 ng	1513670	Phenanthrene-d10	11.21

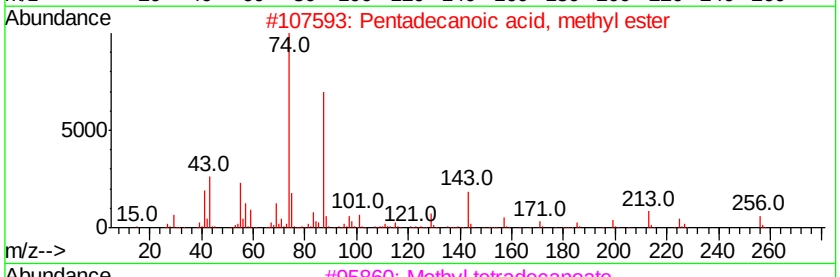
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecanoic acid, methyl ester	270	C17H34O2	000112-39-0	95
2	Pentadecanoic acid, methyl ester	256	C16H32O2	007132-64-1	86
3	Methyl tetradecanoate	242	C15H30O2	000124-10-7	83
4	Tridecanoic acid, methyl ester	228	C14H28O2	001731-88-0	72
5	Dodecanoic acid, methyl ester	214	C13H26O2	000111-82-0	72

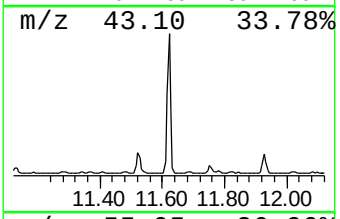


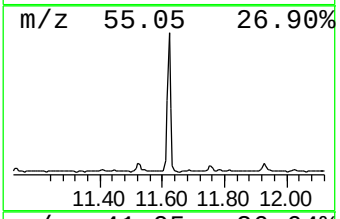


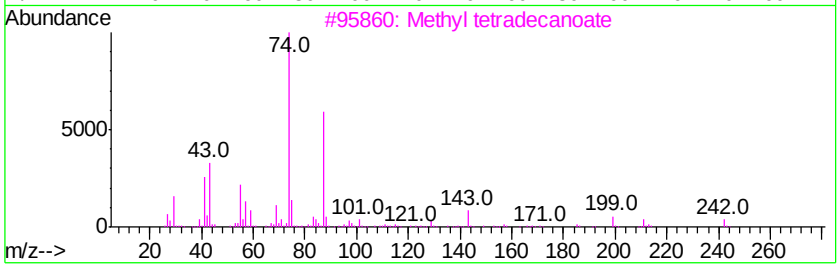


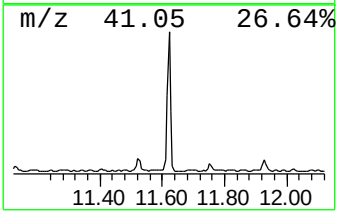












Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092418\
Data File : BF109267.D
Acq On : 24 Sep 2018 15:08
Operator : JU/SJ
Sample : J4770-03 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-02-092118-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

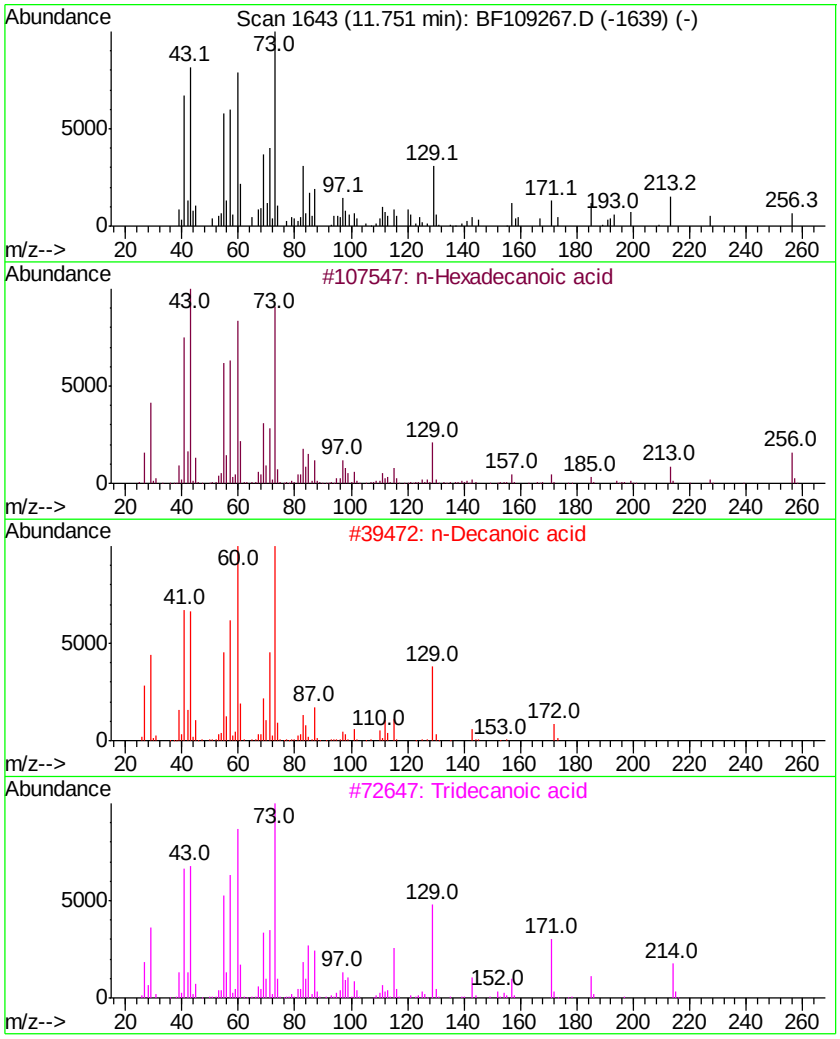
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

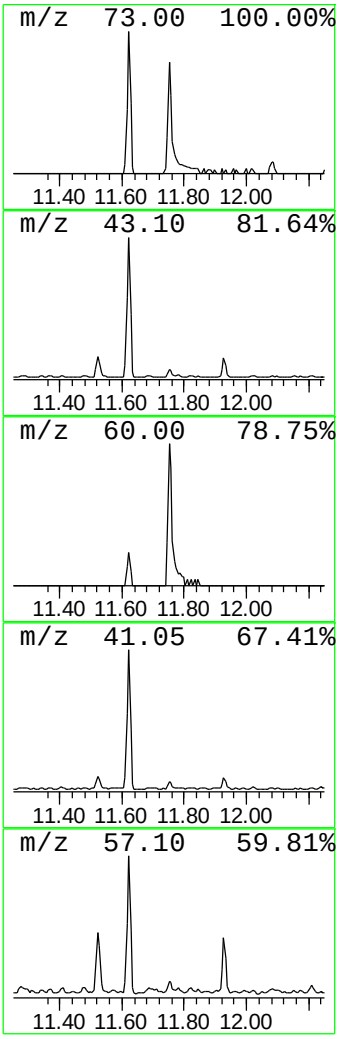
****

Peak Number 8 n-Hexadecanoic acid Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.75	2.07 ng	89935	Phenanthrene-d10	11.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	93
2	n-Decanoic acid	172	C10H20O2	000334-48-5	59
3	Tridecanoic acid	214	C13H26O2	000638-53-9	53
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	53
5	Pentadecanoic acid	242	C15H30O2	001002-84-2	52





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092418\
Data File : BF109267.D
Acq On : 24 Sep 2018 15:08
Operator : JU/SJ
Sample : J4770-03 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-02-092118-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.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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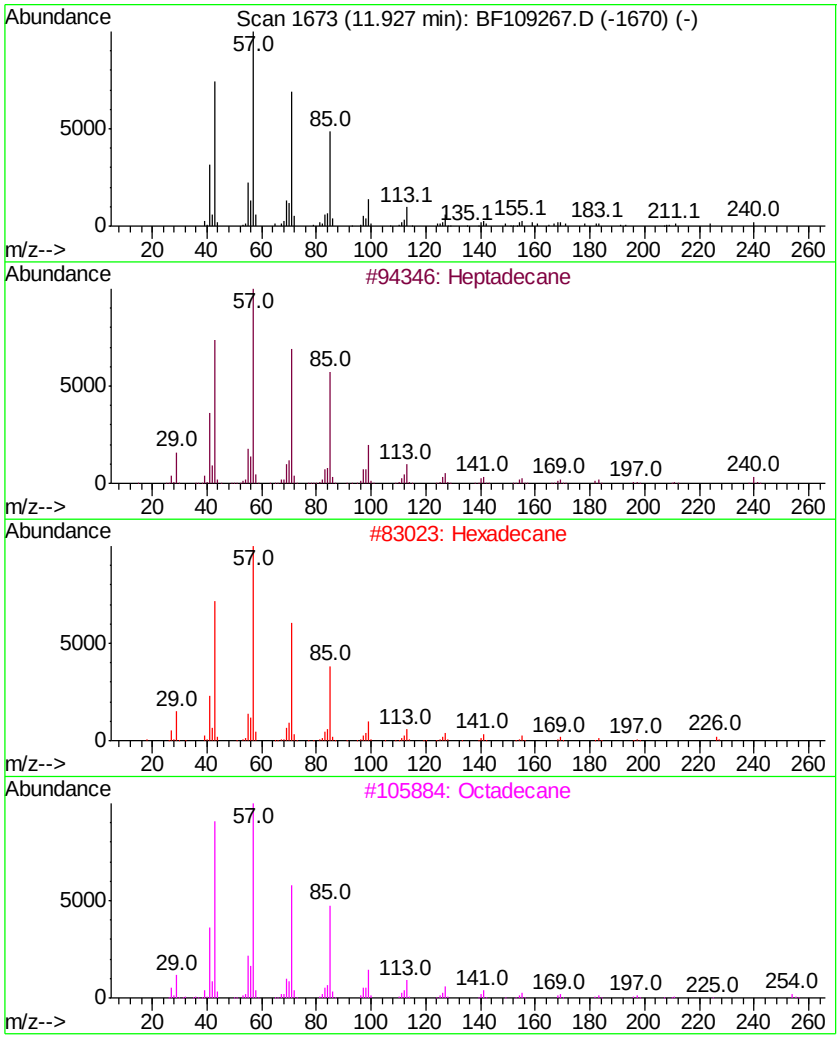
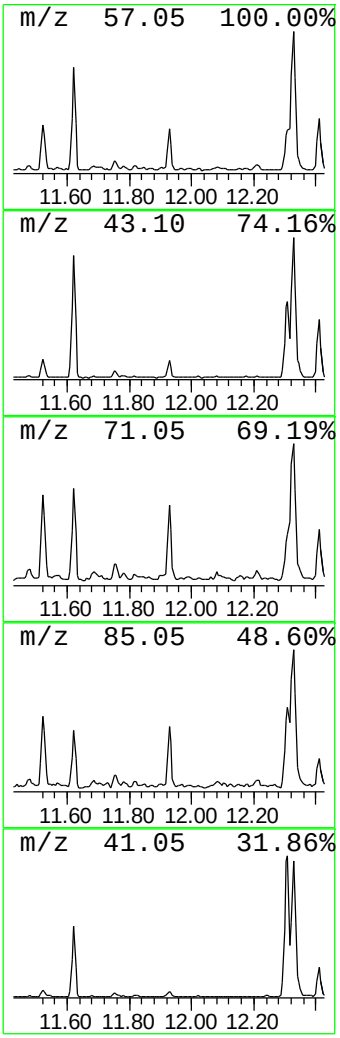
Peak Number 9 Heptadecane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.93	2.93 ng	127341	Phenanthrene-d10	11.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	96
2	Hexadecane	226	C16H34	000544-76-3	91
3	Octadecane	254	C18H38	000593-45-3	91
4	Heneicosane	296	C21H44	000629-94-7	91
5	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	87





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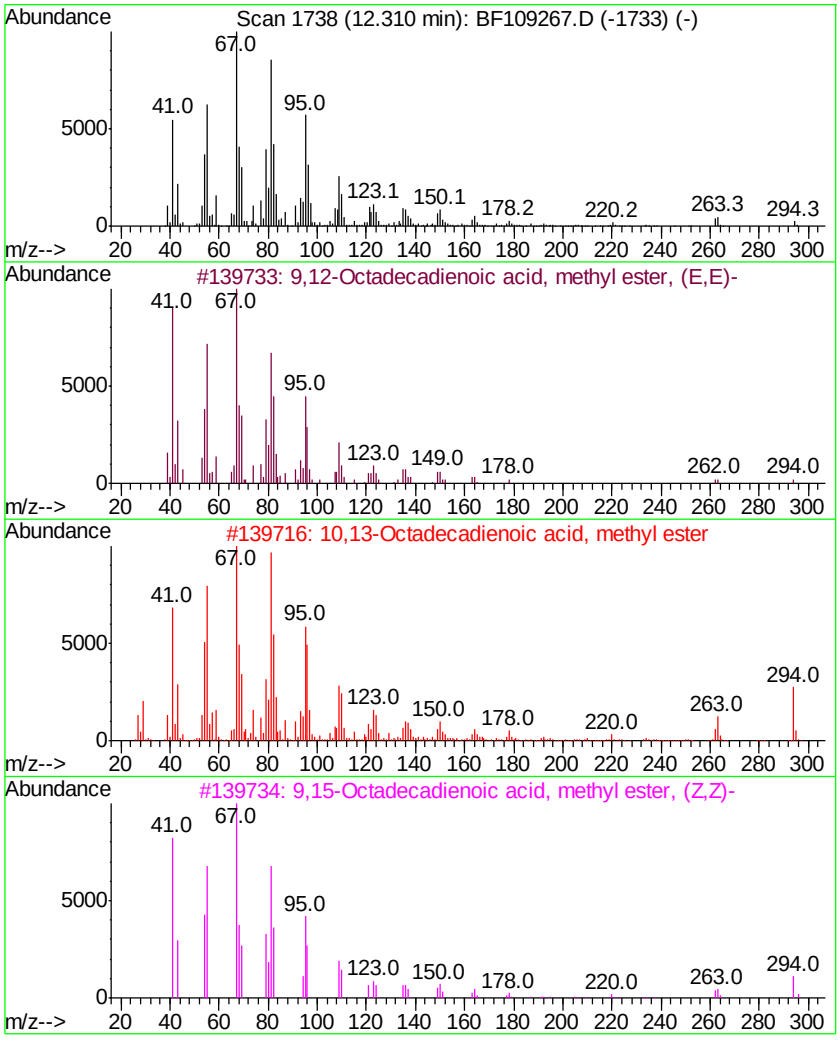
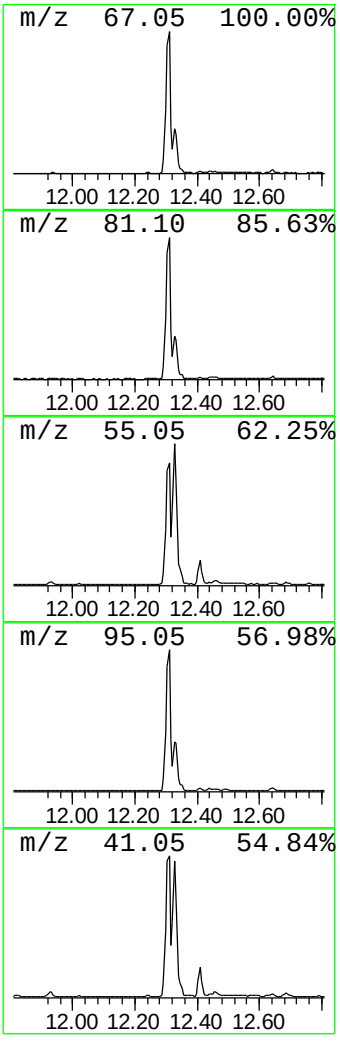
Peak Number 10 9,12-Octadecadienoic acid, ... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.31	99.54 ng	4318900	Phenanthrene-d10	11.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002566-97-4	99
2	10,13-Octadecadienoic acid, meth...	294	C19H34O2	056554-62-2	99
3	9,15-Octadecadienoic acid, methy...	294	C19H34O2	017309-05-6	99
4	9,12-Octadecadienoic acid (Z,Z)-...	294	C19H34O2	000112-63-0	98
5	Methyl 9-cis,11-trans-octadecadi...	294	C19H34O2	1000336-44-0	97





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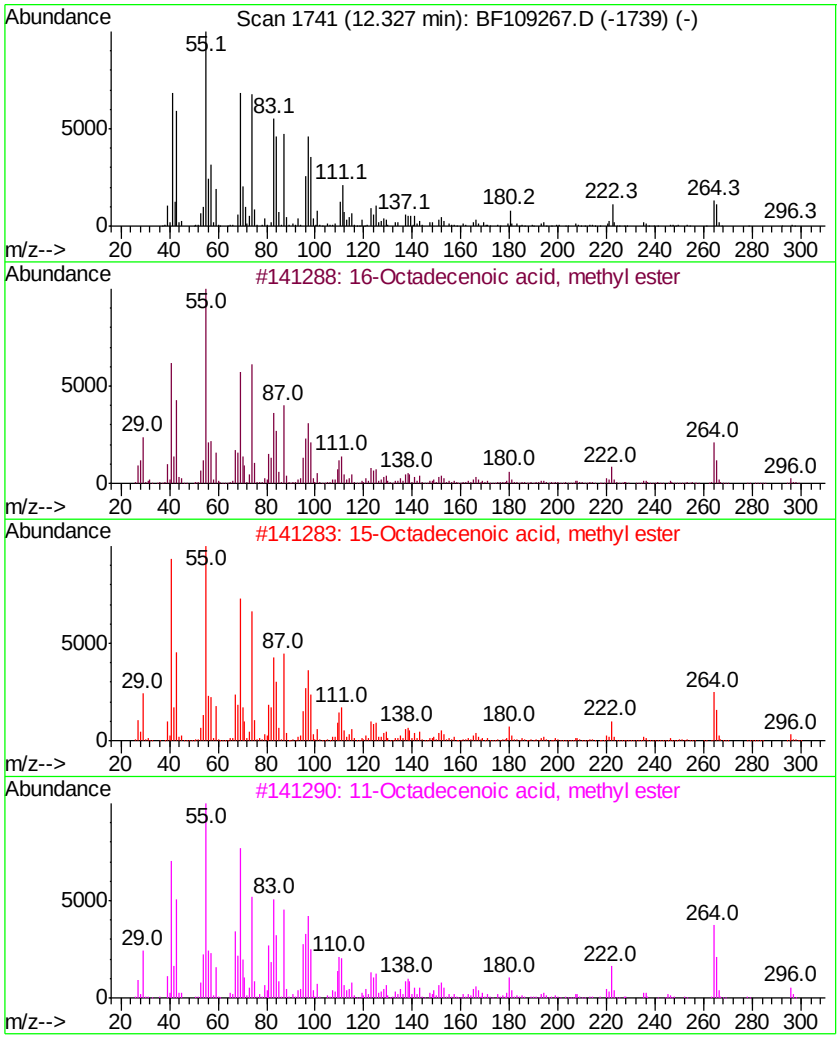
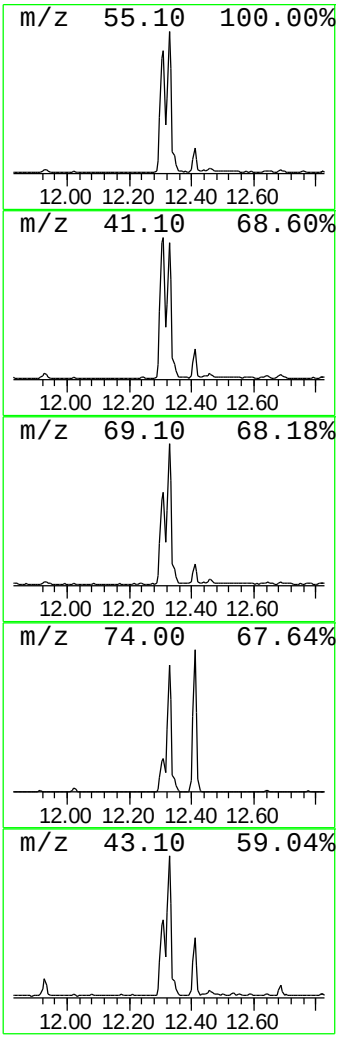
Peak Number 11 16-Octadecenoic acid, methy... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.33	82.68 ng	3587380	Phenanthrene-d10	11.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	16-Octadecenoic acid, methyl ester	296	C19H36O2	056554-49-5	97
2	15-Octadecenoic acid, methyl ester	296	C19H36O2	004764-72-1	96
3	11-Octadecenoic acid, methyl ester	296	C19H36O2	052380-33-3	93
4	12-Octadecenoic acid, methyl ester	296	C19H36O2	056554-46-2	93
5	13-Octadecenoic acid, methyl ester	296	C19H36O2	056554-47-3	90





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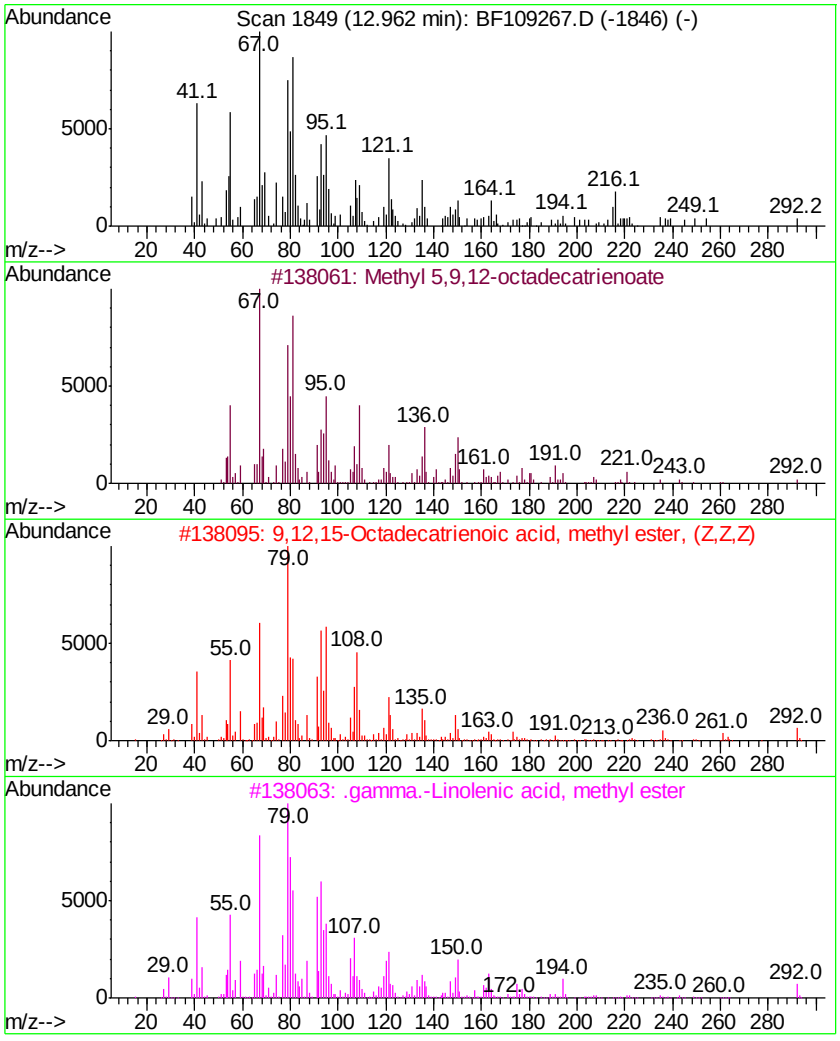
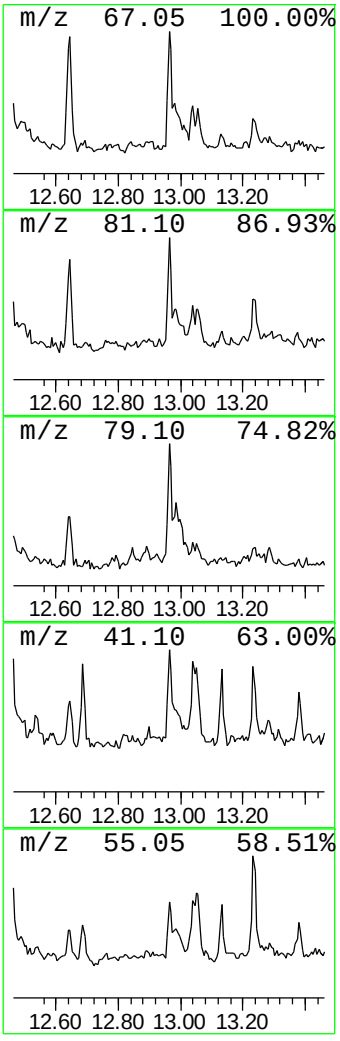
Peak Number 12 Methyl 5,9,12-octadecatrien... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.96	4.87 ng	213078	Chrysene-d12	13.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methyl 5,9,12-octadecatrienoate	292	C19H32O2	1000336-37-5	83
2	9,12,15-Octadecatrienoic acid, m...	292	C19H32O2	000301-00-8	64
3	.gamma.-Linolenic acid, methyl e...	292	C19H32O2	1000333-65-0	64
4	i-Propyl 6,9,12-hexadecatrienoate	292	C19H32O2	1000336-78-1	62
5	9-Oxabicyclo[6.1.0]non-4-ene	124	C8H12O	000637-90-1	53





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Instrument : BNA_F
ClientSampleId : JC-02-092118-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.M
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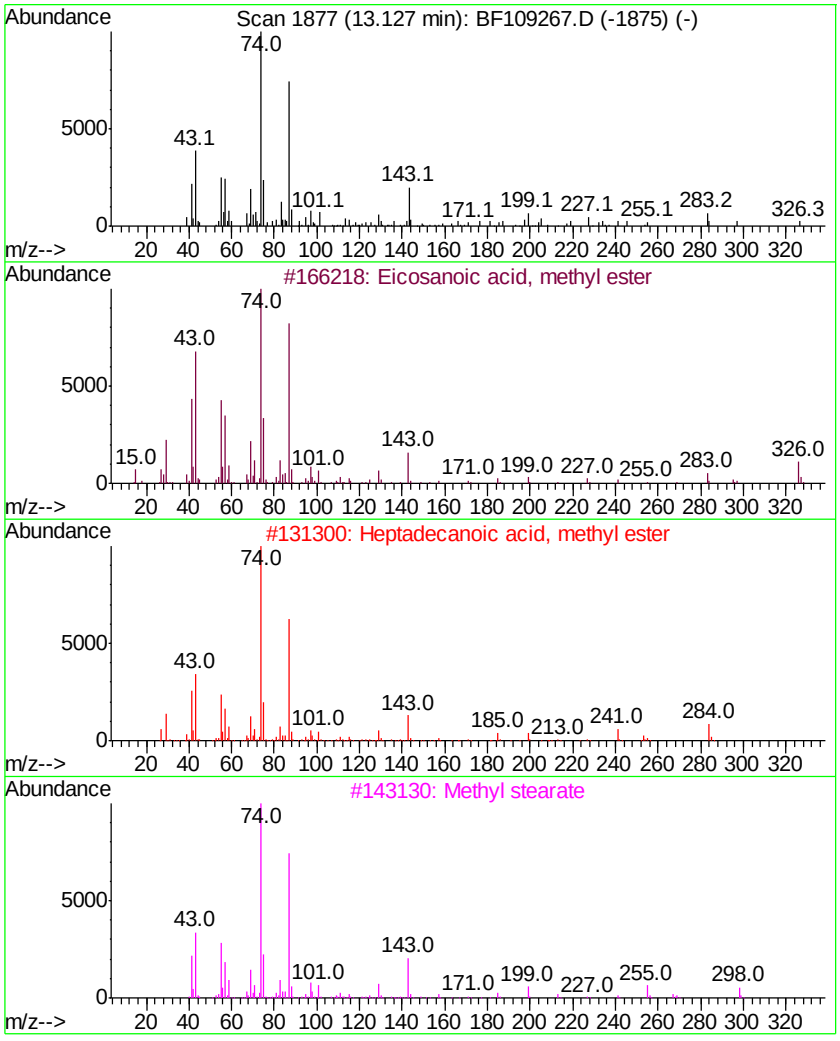
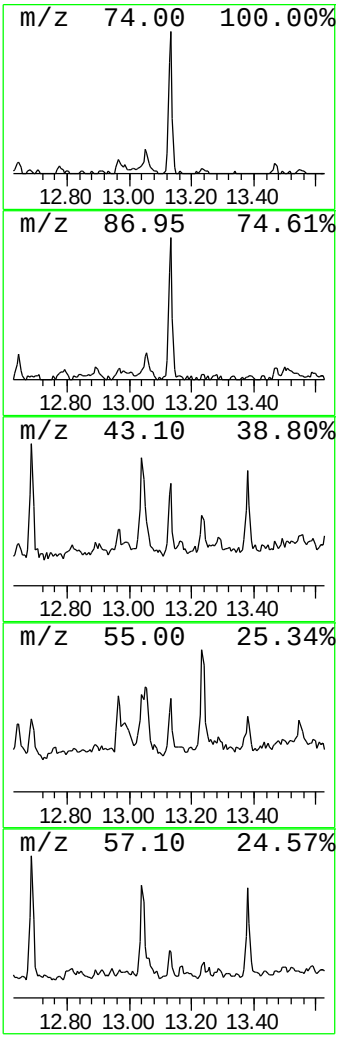
Peak Number 14 Eicosanoic acid, methyl ester Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.13	2.05 ng	89906	Chrysene-d12	13.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosanoic acid, methyl ester	326	C21H42O2	001120-28-1	94
2	Heptadecanoic acid, methyl ester	284	C18H36O2	001731-92-6	93
3	Methyl stearate	298	C19H38O2	000112-61-8	86
4	Hexadecanoic acid, 15-methyl-, m...	284	C18H36O2	006929-04-0	86
5	Hexadecanoic acid, 14-methyl-, m...	284	C18H36O2	002490-49-5	83





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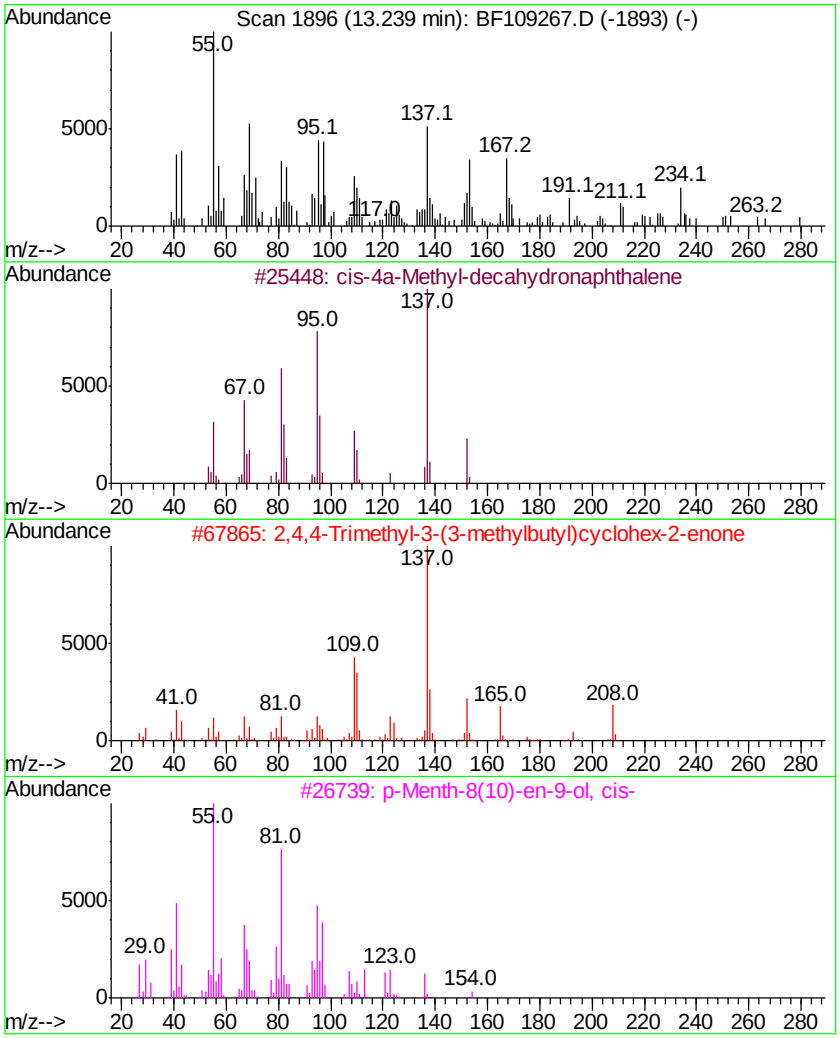
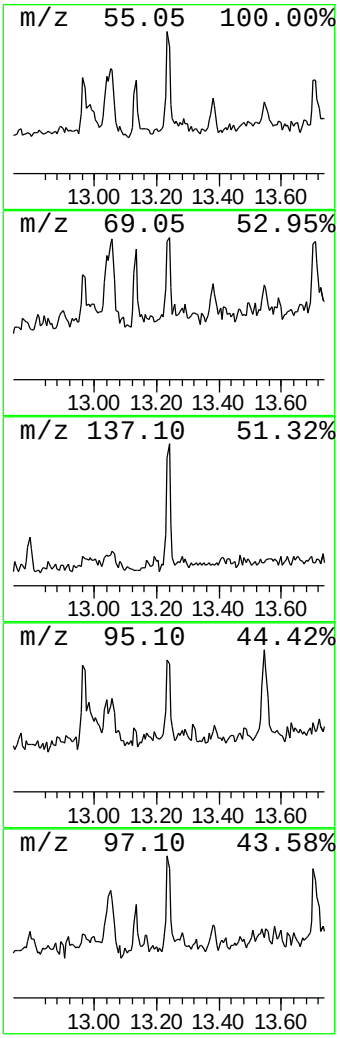
Peak Number 15 unknown13.24 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.24	2.37 ng	103886	Chrysene-d12	13.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	cis-4a-Methyl-decahydronaphthalene	152	C11H20	002547-26-4	27
2	2,4,4-Trimethyl-3-(3-methylbutyl...	208	C14H24O	088725-82-0	22
3	p-Menth-8(10)-en-9-ol, cis-	154	C10H18O	015714-13-3	22
4	Naphthalene, 2-butyldecahydro-	194	C14H26	006305-52-8	22
5	Spiro(2-oxabicyclo[2.1.0]pentane...	210	C13H22O2	1000195-30-3	22





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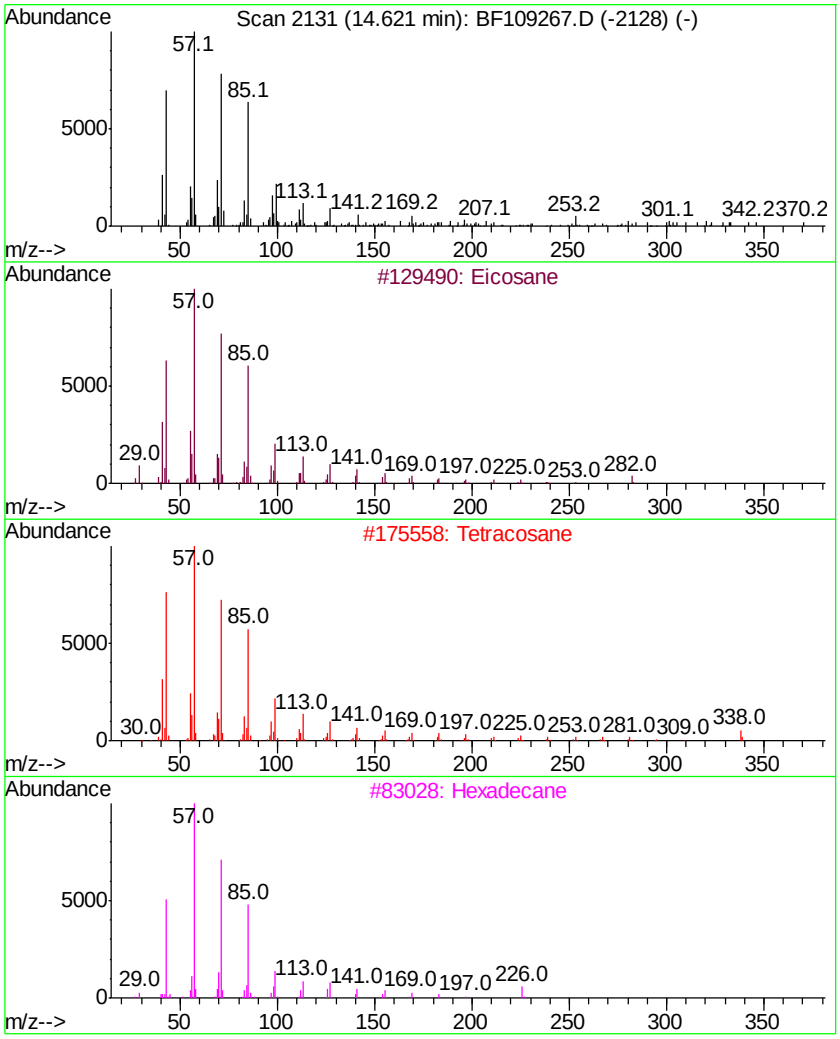
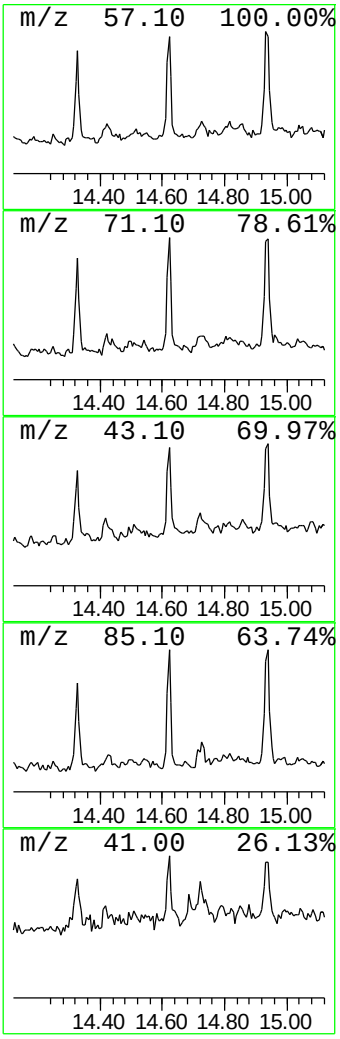
Peak Number 17 Eicosane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.62	3.22 ng	109725	Perylene-d12	15.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	91
2	Tetracosane	338	C24H50	000646-31-1	91
3	Hexadecane	226	C16H34	000544-76-3	90
4	Triacontane	422	C30H62	000638-68-6	90
5	Heneicosane	296	C21H44	000629-94-7	87





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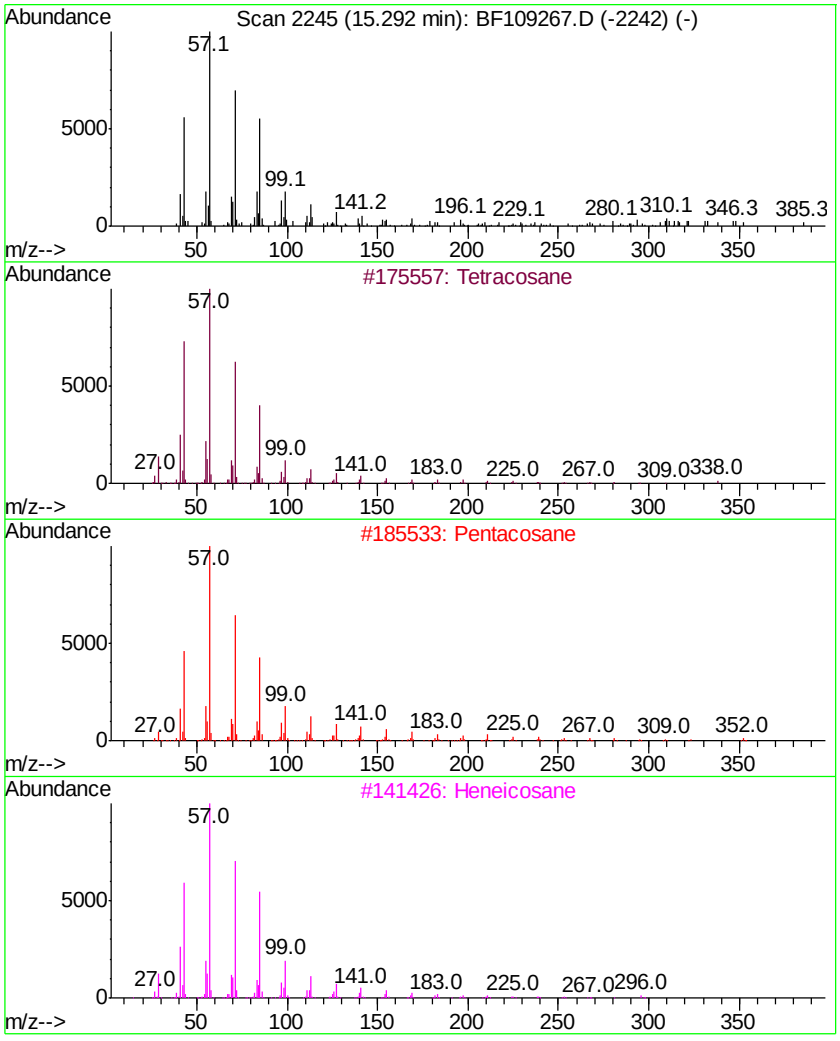
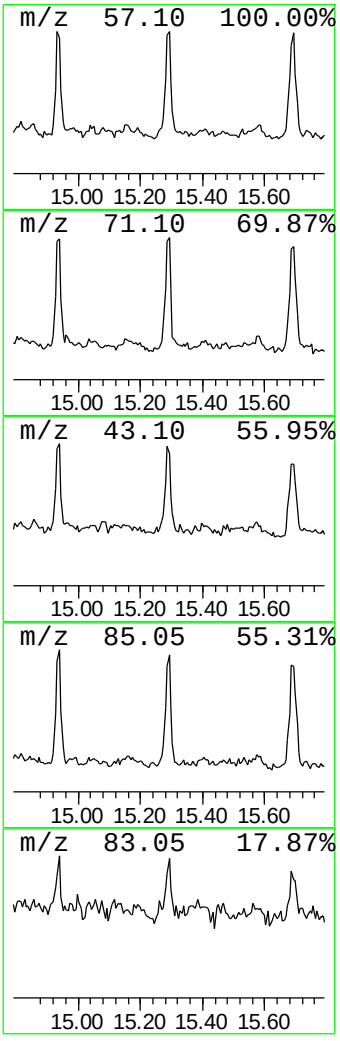
Peak Number 19 Tetracosane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.29	3.17 ng	108018	Perylene-d12	15.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetracosane	338	C24H50	000646-31-1	97
2	Pentacosane	352	C25H52	000629-99-2	93
3	Heneicosane	296	C21H44	000629-94-7	93
4	Heptadecane	240	C17H36	000629-78-7	91
5	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	91





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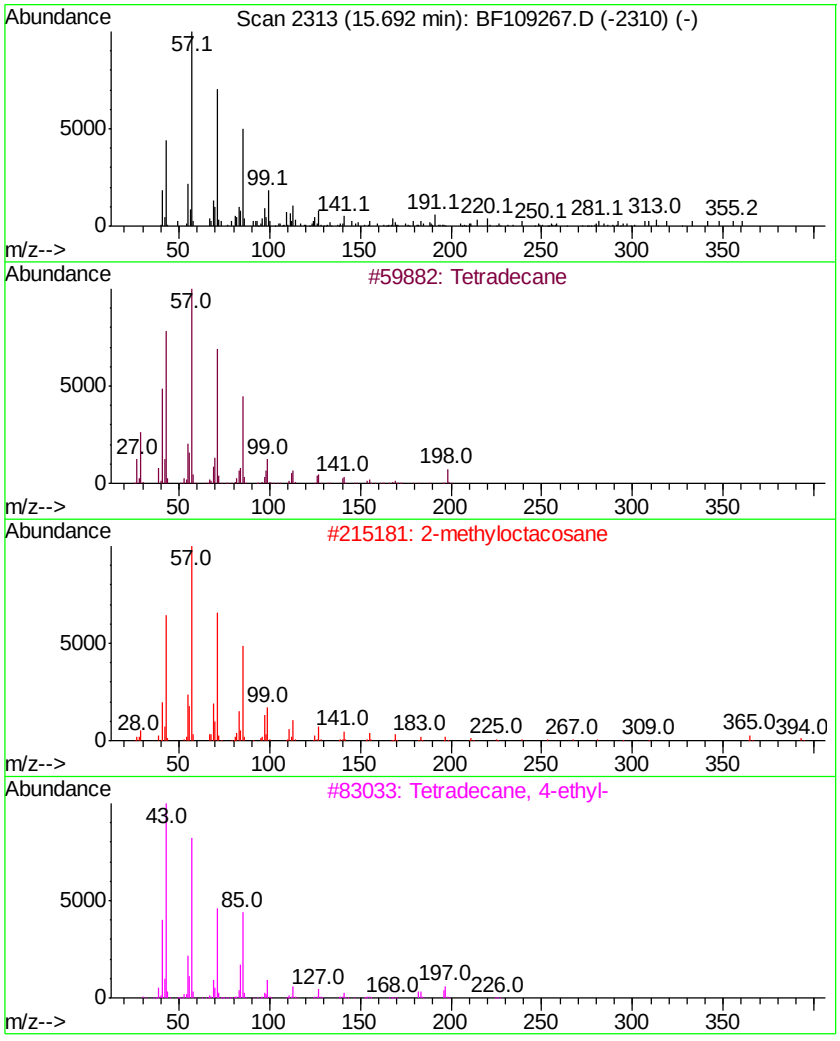
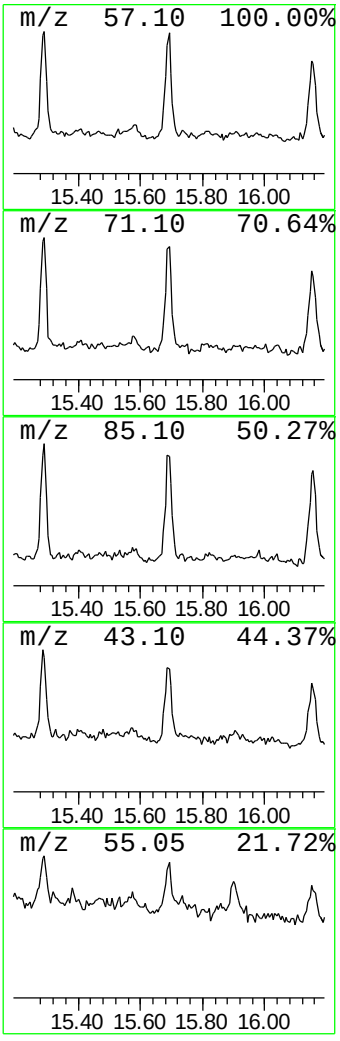
Peak Number 20 Tetradecane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.69	2.98 ng	101263	Perylene-d12	15.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	74
2	2-methyloctacosane	408	C29H60	1000376-72-8	68
3	Tetradecane, 4-ethyl-	226	C16H34	055045-14-2	64
4	Heptadecane	240	C17H36	000629-78-7	64
5	Heneicosane, 11-(1-ethylpropyl)-	366	C26H54	055282-11-6	64





Tentatively Identified Compound (LSC) summary

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					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
unknown6.47	6.47	28.1	ng	1024470	1	6.70	728540	20.0
Hexadecane	10.18	2.1	ng	107764	3	9.73	1032730	20.0
Tridecane	10.65	4.5	ng	195838	4	11.21	867789	20.0
Octadecane	11.52	3.0	ng	128918	4	11.21	867789	20.0
Hexadecanoic acid...	11.62	34.9	ng	1513670	4	11.21	867789	20.0
n-Hexadecanoic acid	11.75	2.1	ng	89935	4	11.21	867789	20.0
Heptadecane	11.93	2.9	ng	127341	4	11.21	867789	20.0
9,12-Octadecadien...	12.31	99.5	ng	4318900	4	11.21	867789	20.0
16-Octadecenoic a...	12.33	82.7	ng	3587380	4	11.21	867789	20.0
Methyl 5,9,12-oct...	12.96	4.9	ng	213078	5	13.84	875014	20.0
Eicosanoic acid, ...	13.13	2.0	ng	89906	5	13.84	875014	20.0
unknown13.24	13.24	2.4	ng	103886	5	13.84	875014	20.0
Eicosane	14.62	3.2	ng	109725	6	15.24	680672	20.0
Tetracosane	15.29	3.2	ng	108018	6	15.24	680672	20.0
Tetradecane	15.69	3.0	ng	101263	6	15.24	680672	20.0