LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042419\
Data File : BF113972.D
Acq On : 24 Apr 2019 20:00
Operator : JU/SJ
Sample : K2540-01 10X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FK-SF-03-007-A

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-BF042219.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	5.098	508	512	522	rBV	48639	55248	4.94%	0.565%
2	5.510	576	582	591	rBV	40714	49725	4.45%	0.508%
3	6.510	747	752	762	rBV	146546	174899	15.64%	1.788%
4	6.663	773	778	784	rVV	103415	91536	8.19%	0.936%
5	6.739	784	791	799	rVB2	24222	24981	2.23%	0.255%
6	6.898	814	818	821	rBV	835919	737172	65.93%	7.536%
7	7.051	841	844	848	rBV	251914	202782	18.14%	2.073%
8	7.451	904	912	917	rBV	124787	138255	12.37%	1.413%
9	7.492	917	919	923	rVB	19400	19535	1.75%	0.200%
10	8.175	1030	1035	1041	rBV	967940	931201	83.28%	9.520%
11	8.769	1133	1136	1140	rVB	23221	21331	1.91%	0.218%
12	9.251	1214	1218	1224	rBV	288827	285775	25.56%	2.922%
13	9.333	1229	1232	1237	rBV	33948	33627	3.01%	0.344%
14	9.645	1282	1285	1289	rBV2	29426	39578	3.54%	0.405%
15	9.863	1315	1322	1325	rBV	34714	36976	3.31%	0.378%
16	9.933	1330	1334	1343	rVB	1054453	994097	88.91%	10.163%
17	10.363	1404	1407	1410	rVB	40820	29155	2.61%	0.298%
18	10.475	1423	1426	1433	rVB4	10880	14251	1.27%	0.146%
19	10.586	1440	1445	1447	rBV2	18057	22132	1.98%	0.226%
20	10.722	1462	1468	1471	rBV3	20414	29672	2.65%	0.303%
21	10.833	1485	1487	1493	rBV2	42881	59114	5.29%	0.604%
22	11.027	1516	1520	1523	rBV5	11046	13765	1.23%	0.141%
23	11.286	1560	1564	1566	rBV	35476	37223	3.33%	0.381%
24	11.316	1566	1569	1575	rVB3	31549	35377	3.16%	0.362%
25	11.416	1582	1586	1589	rBV	1043653	929449	83.13%	9.502%
26	11.439	1589	1590	1593	rVV	93419	55878	5.00%	0.571%
27	11.492	1596	1599	1603	rVB	14448	16071	1.44%	0.164%
28	11.710	1633	1636	1638	rBV	39332	29533	2.64%	0.302%
29	11.804	1649	1652	1656	rBV	241605	209540	18.74%	2.142%
30	11.945	1673	1676	1679	rVB	28079	27419	2.45%	0.280%
31	12.027	1687	1690	1693	rBV2	21537	21761	1.95%	0.222%
32	12.116	1702	1705	1708	rBV	41943	31587	2.83%	0.323%
33	12.398	1750	1753	1755	rBV3	19098	23480	2.10%	0.240%
34	12.468	1762	1765	1766	rBV	26802	24420	2.18%	0.250%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042419\
Data File : BF113972.D
Acq On : 24 Apr 2019 20:00
Operator : JU/SJ
Sample : K2540-01 10X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FK-SF-03-007-A

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-BF042219.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.492	1766	1769	1771	rVV	806261	719782	64.38%	7.358%
36	12.516	1771	1773	1778	rVB	687103	581381	52.00%	5.944%
37	12.598	1784	1787	1789	rBV	125663	99344	8.89%	1.016%
38	12.627	1789	1792	1795	rVB	99911	81175	7.26%	0.830%
39	12.674	1797	1800	1802	rBV4	17188	18792	1.68%	0.192%
40	12.857	1828	1831	1833	rBV	81301	74933	6.70%	0.766%
41	12.874	1833	1834	1837	rVB	53544	32111	2.87%	0.328%
42	12.992	1851	1854	1862	rVB	305270	302425	27.05%	3.092%
43	13.233	1892	1895	1900	rBV3	52401	71489	6.39%	0.731%
44	13.574	1951	1953	1957	rBV2	64516	60983	5.45%	0.623%
45	13.910	2007	2010	2012	rBV	60333	52724	4.72%	0.539%
46	14.063	2031	2036	2039	rBV	1127740	1118095	100.00%	11.431%
47	14.233	2062	2065	2067	rVB	79279	70557	6.31%	0.721%
48	14.862	2170	2172	2176	rBV	104967	108538	9.71%	1.110%
49	15.209	2229	2231	2237	rVB	140053	159622	14.28%	1.632%
50	15.568	2287	2292	2295	rBV	644912	783170	70.05%	8.007%

Sum of corrected areas: 9781666

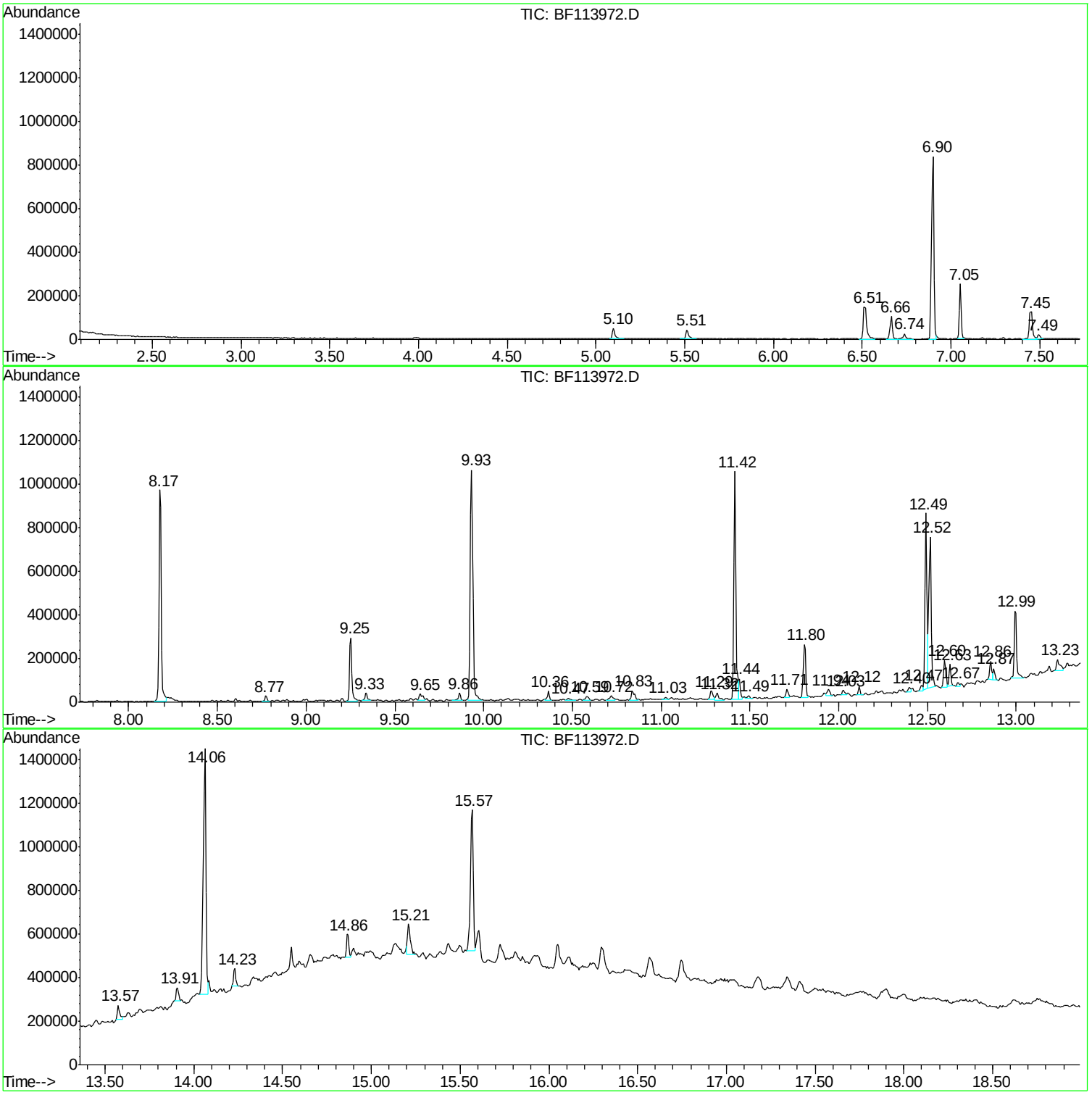
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042419\
Data File : BF113972.D
Acq On : 24 Apr 2019 20:00
Operator : JU/SJ
Sample : K2540-01 10X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FK-SF-03-007-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF042219.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\BF042419\
Data File : BF113972.D
Acq On : 24 Apr 2019 20:00
Operator : JU/SJ
Sample : K2540-01 10X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FK-SF-03-007-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF042219.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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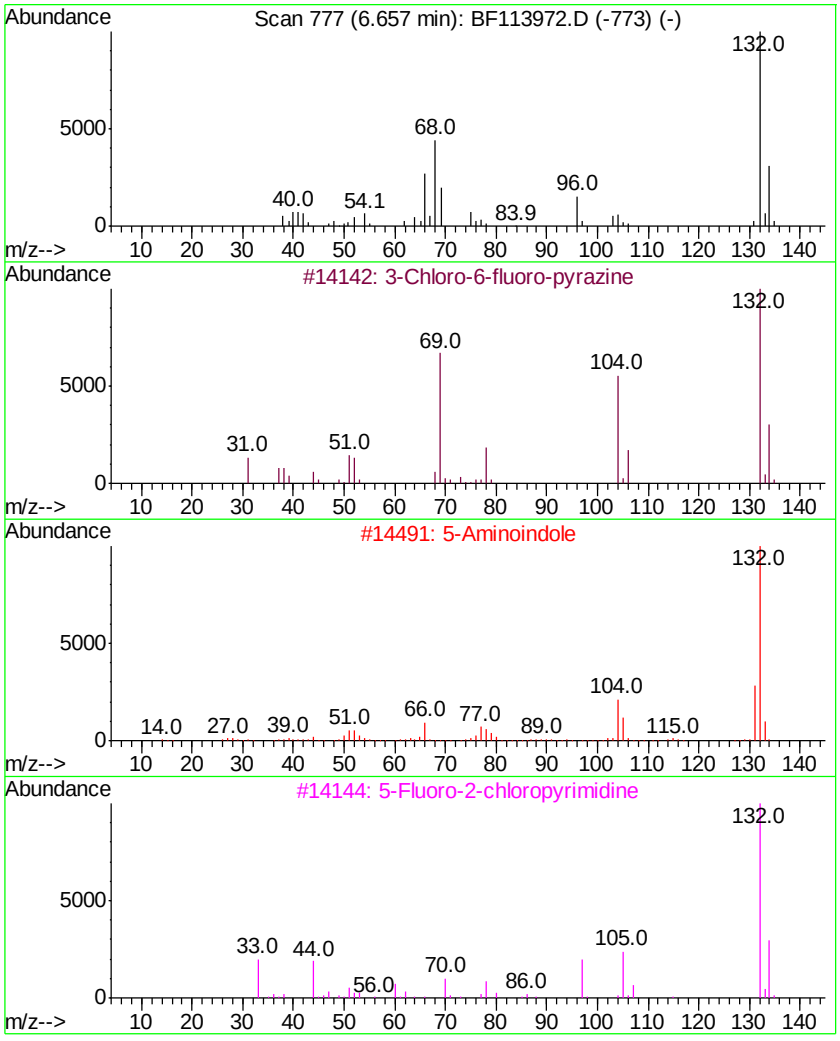
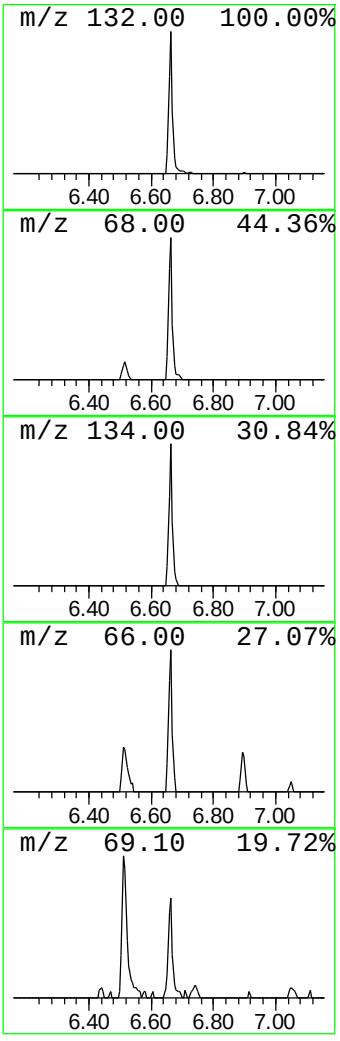
Peak Number 1 unknown6.66 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.66	2.48 ng	91536	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	16
2	5-Aminoindole	132	C8H8N2	005192-03-0	10
3	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9
4	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	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\BF042419\
Data File : BF113972.D
Acq On : 24 Apr 2019 20:00
Operator : JU/SJ
Sample : K2540-01 10X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FK-SF-03-007-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF042219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

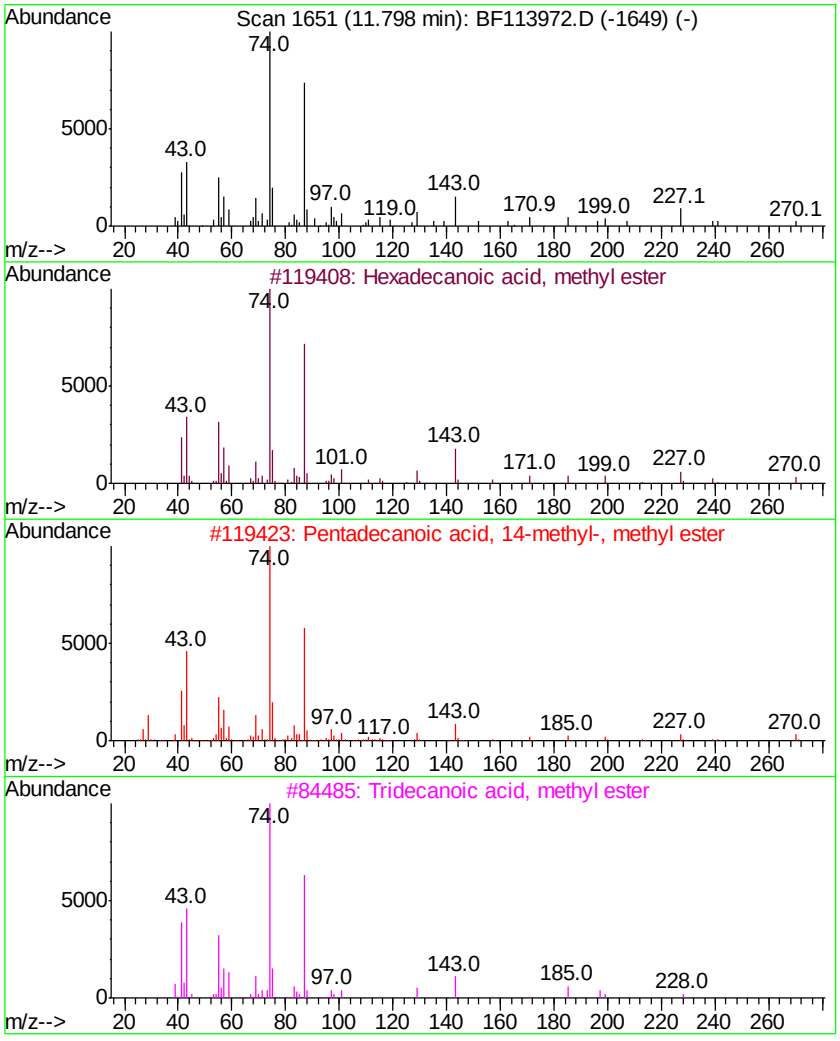
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

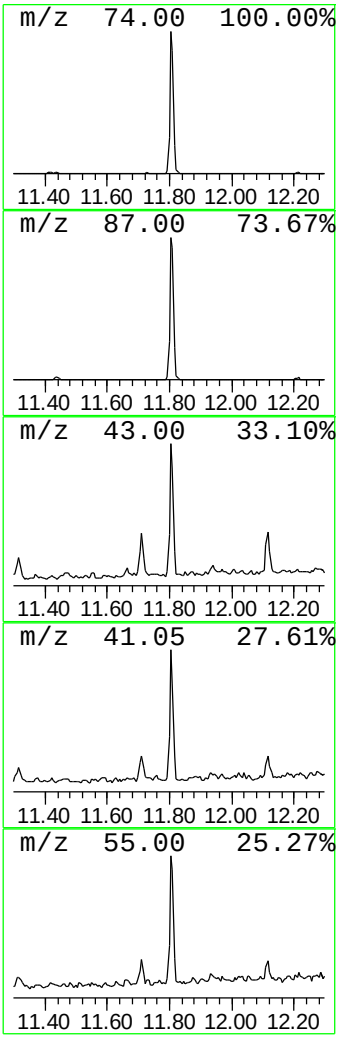
****

Peak Number 3 Hexadecanoic acid, methyl e... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.80	4.51 ng	209540	Phenanthrene-d10	11.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecanoic acid, methyl ester	270	C17H34O2	000112-39-0	96
2	Pentadecanoic acid, 14-methyl-, ...	270	C17H34O2	005129-60-2	93
3	Tridecanoic acid, methyl ester	228	C14H28O2	001731-88-0	91
4	Pentadecanoic acid, methyl ester	256	C16H32O2	007132-64-1	86
5	Hexadecanoic acid, 2-methyl-	270	C17H34O2	027147-71-3	86





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042419\
Data File : BF113972.D
Acq On : 24 Apr 2019 20:00
Operator : JU/SJ
Sample : K2540-01 10X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FK-SF-03-007-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF042219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

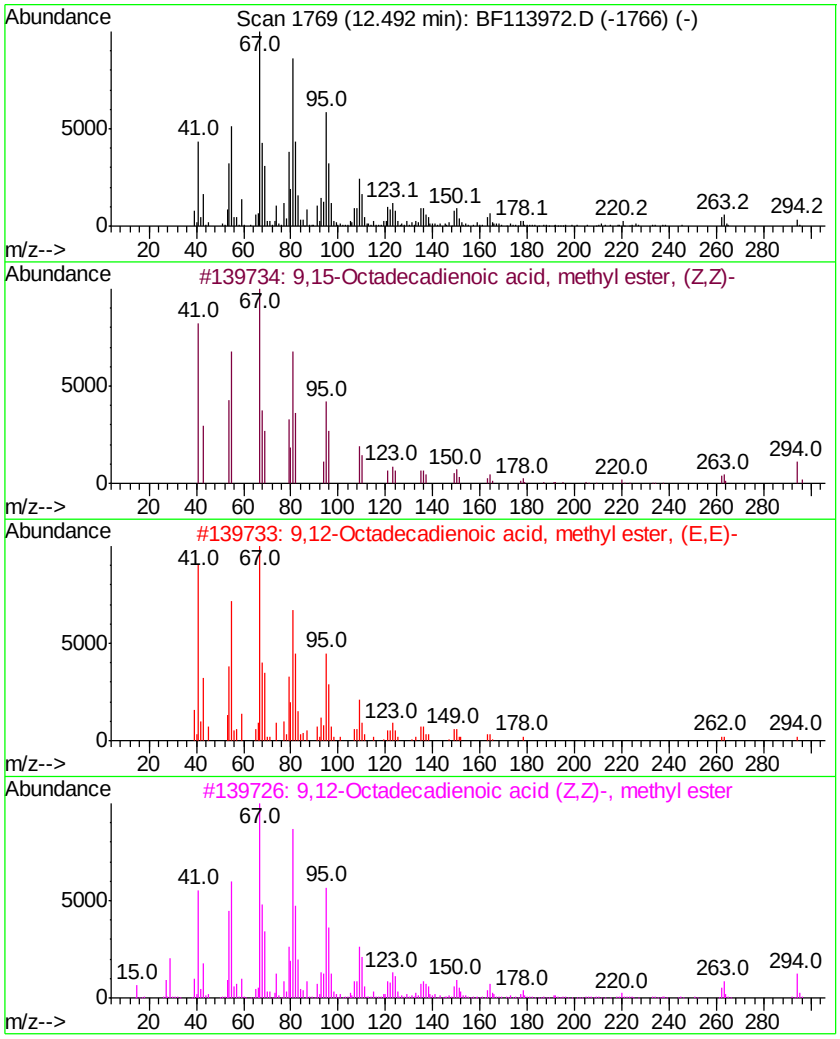
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

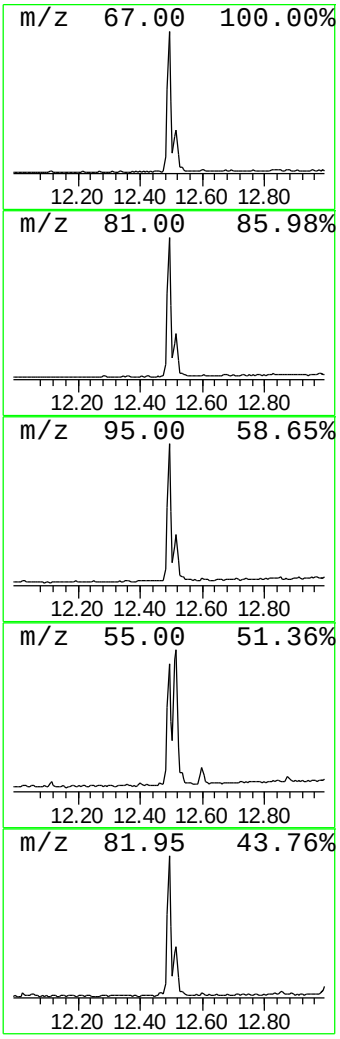
****

Peak Number 4 9,15-Octadecadienoic acid, ... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.49	15.49 ng	719782	Phenanthrene-d10	11.42

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





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042419\
Data File : BF113972.D
Acq On : 24 Apr 2019 20:00
Operator : JU/SJ
Sample : K2540-01 10X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FK-SF-03-007-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF042219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

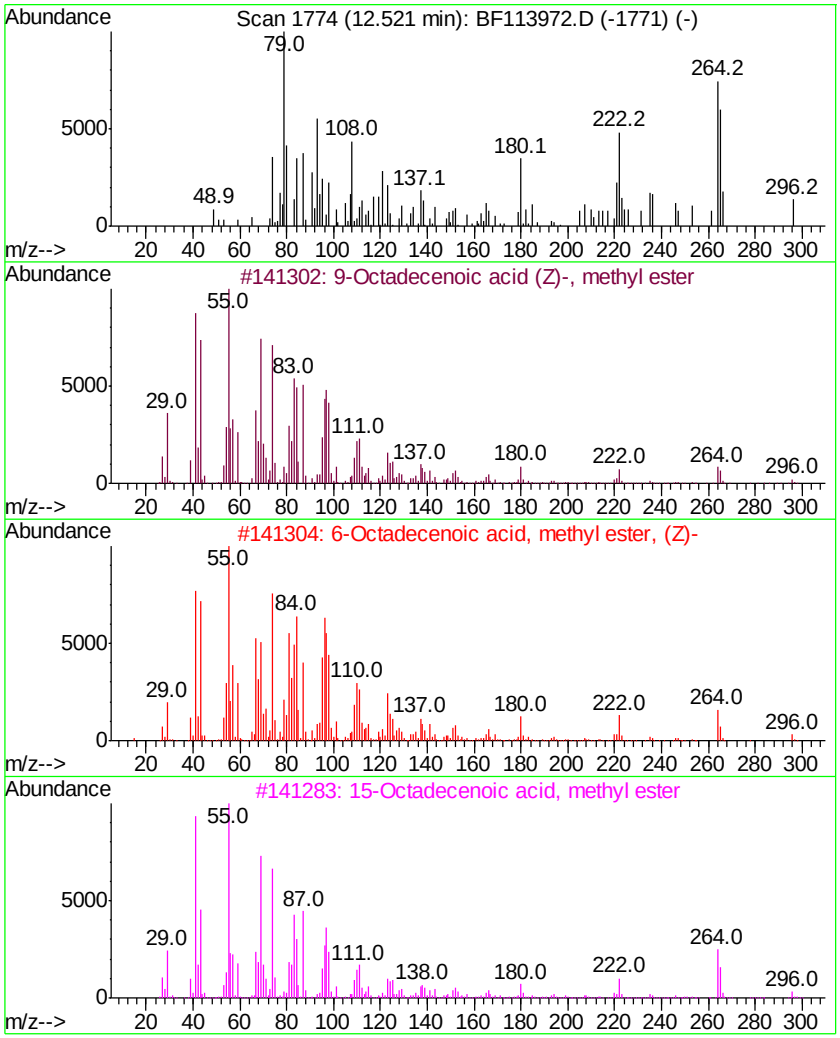
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

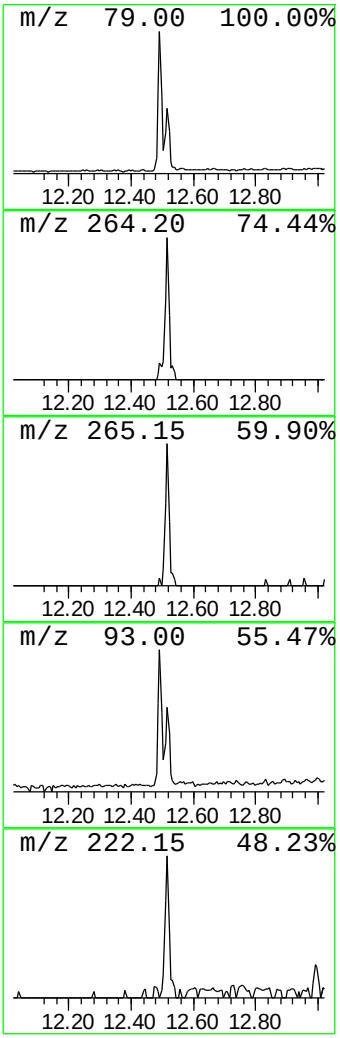
****

Peak Number 5 9-Octadecenoic acid (Z)-, m... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.52	12.51 ng	581381	Phenanthrene-d10	11.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Octadecenoic acid (Z)-, methyl...	296	C19H36O2	000112-62-9	99
2	6-Octadecenoic acid, methyl este...	296	C19H36O2	002777-58-4	99
3	15-Octadecenoic acid, methyl ester	296	C19H36O2	004764-72-1	99
4	14-Octadecenoic acid, methyl ester	296	C19H36O2	056554-48-4	99
5	9-Octadecenoic acid, methyl ester	296	C19H36O2	002462-84-2	99





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042419\
Data File : BF113972.D
Acq On : 24 Apr 2019 20:00
Operator : JU/SJ
Sample : K2540-01 10X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FK-SF-03-007-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF042219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

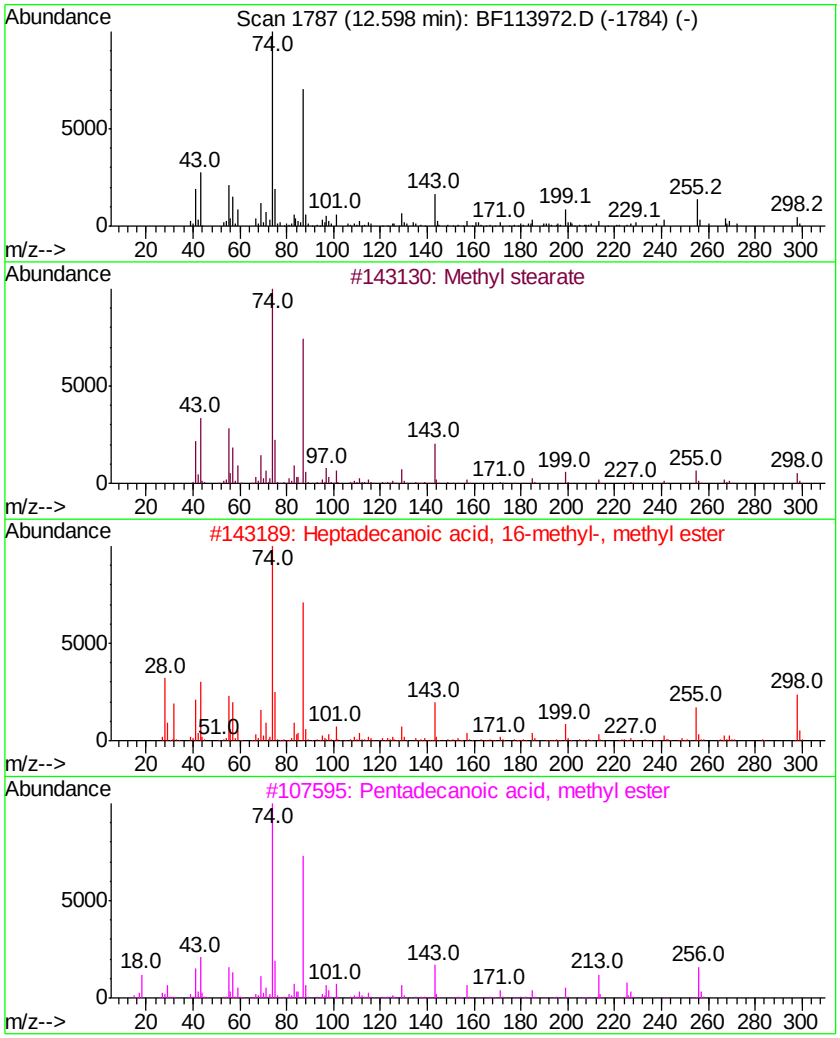
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

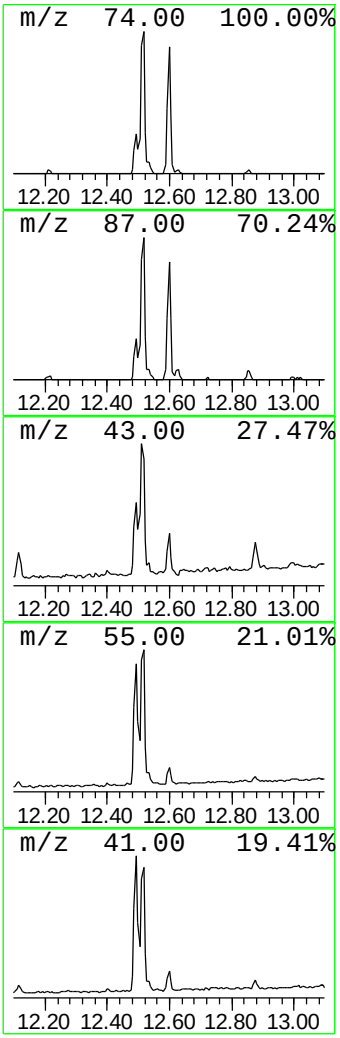
****

Peak Number 6 Methyl stearate Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.60	2.14 ng	99344	Phenanthrene-d10	11.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methyl stearate	298	C19H38O2	000112-61-8	96
2	Heptadecanoic acid, 16-methyl-, ...	298	C19H38O2	005129-61-3	93
3	Pentadecanoic acid, methyl ester	256	C16H32O2	007132-64-1	91
4	Heptadecanoic acid, 15-methyl-, ...	298	C19H38O2	054833-55-5	87
5	Hexadecanoic acid, 15-methyl-, m...	284	C18H36O2	006929-04-0	83





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042419\
Data File : BF113972.D
Acq On : 24 Apr 2019 20:00
Operator : JU/SJ
Sample : K2540-01 10X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FK-SF-03-007-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF042219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

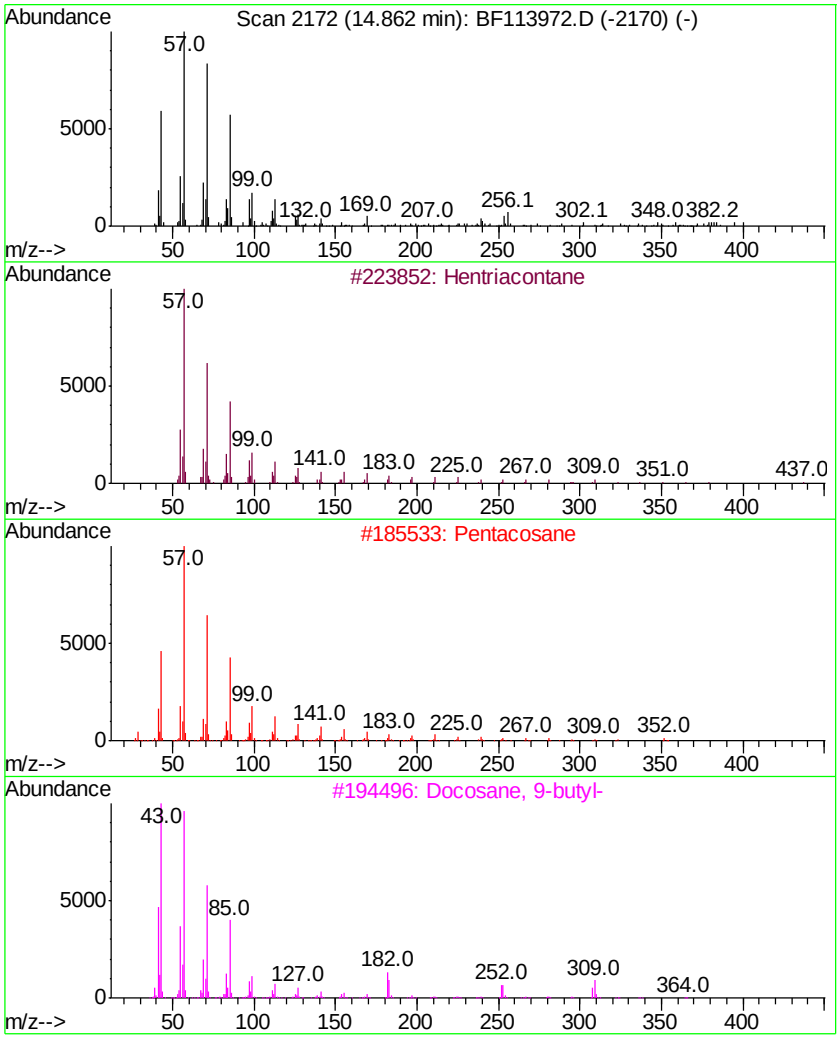
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

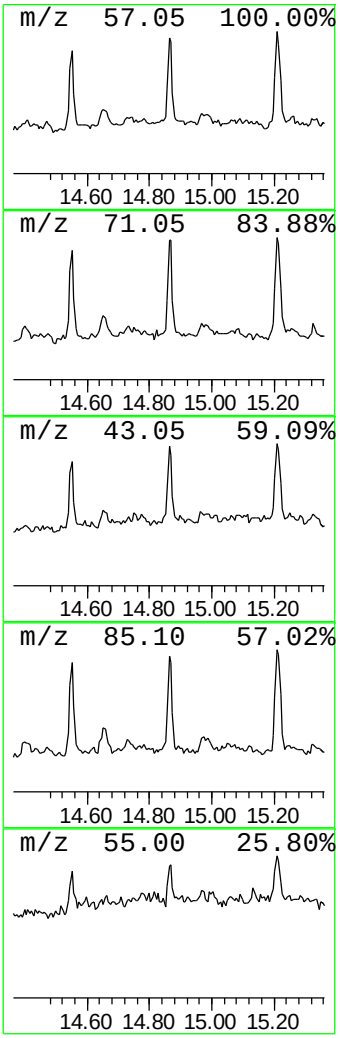
****

Peak Number 7 Hentriacontane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.86	2.77 ng	108538	Perylene-d12	15.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hentriacontane	437	C31H64	000630-04-6	91
2	Pentacosane	352	C25H52	000629-99-2	91
3	Docosane, 9-butyl-	366	C26H54	055282-14-9	90
4	Octadecane, 2-methyl-	268	C19H40	001560-88-9	90
5	2-methyloctacosane	408	C29H60	1000376-72-8	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042419\
Data File : BF113972.D
Acq On : 24 Apr 2019 20:00
Operator : JU/SJ
Sample : K2540-01 10X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FK-SF-03-007-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF042219.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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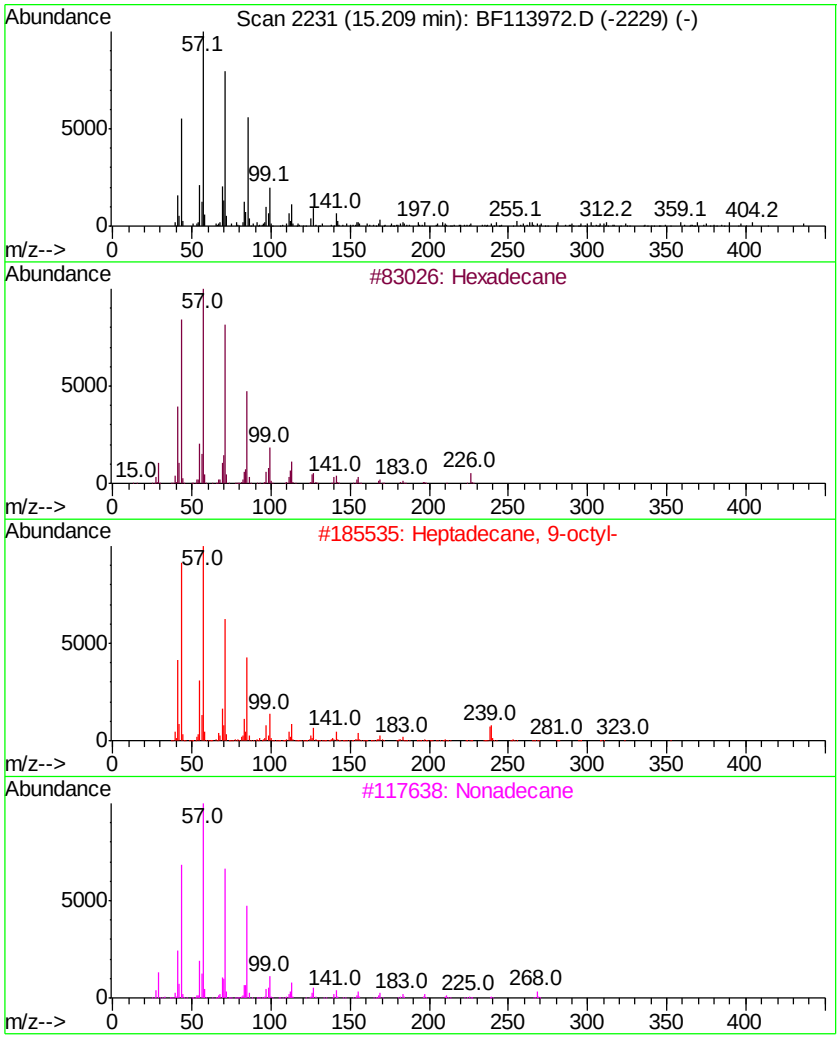
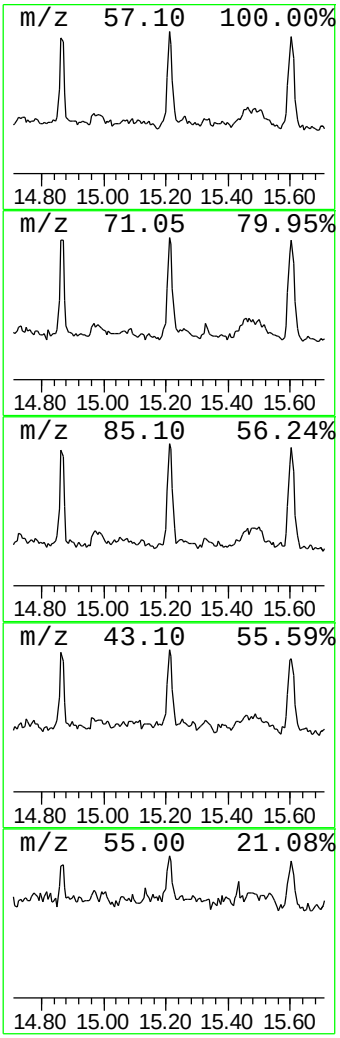
Peak Number 8 Hexadecane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.21	4.08 ng	159622	Perylene-d12	15.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	94
2	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	93
3	Nonadecane	268	C19H40	000629-92-5	93
4	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	91
5	Tetracosane	338	C24H50	000646-31-1	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF042419\
Data File : BF113972.D
Acq On : 24 Apr 2019 20:00
Operator : JU/SJ
Sample : K2540-01 10X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FK-SF-03-007-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF042219.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
unknown6.66	6.66	2.5	ng	91536	1	6.90	737172	20.0
Hexadecanoic acid...	11.80	4.5	ng	209540	4	11.42	929449	20.0
9,15-Octadecadien...	12.49	15.5	ng	719782	4	11.42	929449	20.0
9-Octadecenoic ac...	12.52	12.5	ng	581381	4	11.42	929449	20.0
Methyl stearate	12.60	2.1	ng	99344	4	11.42	929449	20.0
Hentriacontane	14.86	2.8	ng	108538	6	15.57	783170	20.0
Hexadecane	15.21	4.1	ng	159622	6	15.57	783170	20.0