LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042319\
Data File : BF113938.D
Acq On : 23 Apr 2019 23:12
Operator : JU/SJ
Sample : K2204-03 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TR-05-042219

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	2.175	12	15	26	rVB	29570	51980	1.05%	0.156%
2	5.516	579	583	600	rVB	1639135	1470295	29.67%	4.406%
3	6.516	749	753	767	rBV	1454050	1489406	30.05%	4.463%
4	6.663	774	778	782	rBV	1786241	1569917	31.68%	4.704%
5	6.898	814	818	821	rBV	874851	709338	14.31%	2.126%
6	7.051	841	844	848	rBV	1433672	1255180	25.33%	3.761%
7	7.451	908	912	915	rBV	1079682	863097	17.42%	2.586%
8	8.180	1032	1036	1039	rBV	844948	807967	16.30%	2.421%
9	9.251	1214	1218	1228	rBV	2061316	1692104	34.14%	5.071%
10	9.639	1281	1284	1289	rVB	196040	167767	3.39%	0.503%
11	9.933	1330	1334	1337	rBV	964885	816799	16.48%	2.448%
12	10.716	1463	1467	1476	rBV	1018344	914384	18.45%	2.740%
13	11.416	1582	1586	1588	rBV	1037925	842879	17.01%	2.526%
14	11.439	1588	1590	1593	rVB	262848	202224	4.08%	0.606%
15	11.733	1638	1640	1649	rVB2	80377	76080	1.54%	0.228%
16	11.810	1649	1653	1656	rBV	2224906	1731307	34.94%	5.188%
17	11.916	1668	1671	1673	rBV	50212	55271	1.12%	0.166%
18	11.939	1673	1675	1682	rVB2	223434	218310	4.41%	0.654%
19	12.027	1687	1690	1693	rBV	76810	80626	1.63%	0.242%
20	12.127	1699	1707	1709	rBV3	32944	51735	1.04%	0.155%
21	12.210	1718	1721	1723	rBV	67806	59843	1.21%	0.179%
22	12.498	1766	1770	1772	rBV	4976916	4955673	100.00%	14.850%
23	12.521	1772	1774	1780	rVV	5199187	4518227	91.17%	13.539%
24	12.568	1780	1782	1784	rVB	89672	71283	1.44%	0.214%
25	12.604	1784	1788	1790	rBV	1111896	1011288	20.41%	3.030%
26	12.627	1790	1792	1795	rVV	527162	396332	8.00%	1.188%
27	12.721	1805	1808	1812	rVB3	57024	52874	1.07%	0.158%
28	12.839	1825	1828	1829	rBV2	140726	147795	2.98%	0.443%
29	12.857	1829	1831	1834	rVB	483488	380631	7.68%	1.141%
30	12.998	1851	1855	1859	rVB	2117384	1828735	36.90%	5.480%
31	13.080	1864	1869	1872	rBV3	65922	100745	2.03%	0.302%
32	13.186	1880	1887	1891	rBV	159865	236089	4.76%	0.707%
33	13.251	1892	1898	1901	rBV3	132608	164341	3.32%	0.492%
34	13.286	1901	1904	1907	rBV2	60467	66521	1.34%	0.199%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042319\
Data File : BF113938.D
Acq On : 23 Apr 2019 23:12
Operator : JU/SJ
Sample : K2204-03 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TR-05-042219

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	13.321	1907	1910	1913	rVB2	98599	94281	1.90%	0.283%
36	13.686	1970	1972	1977	rVB	46494	60651	1.22%	0.182%
37	13.751	1977	1983	1986	rBV5	59362	100402	2.03%	0.301%
38	13.804	1988	1992	1994	rBV3	52776	68220	1.38%	0.204%
39	13.898	2005	2008	2013	rVB3	62273	73503	1.48%	0.220%
40	13.992	2021	2024	2027	rBV2	124535	140471	2.83%	0.421%
41	14.051	2029	2034	2037	rVV2	1247147	1492446	30.12%	4.472%
42	14.080	2037	2039	2046	rVB	272783	249341	5.03%	0.747%
43	14.527	2113	2115	2119	rVB2	70546	68733	1.39%	0.206%
44	14.839	2165	2168	2171	rBV	81098	85778	1.73%	0.257%
45	15.098	2209	2212	2216	rBV	181526	290310	5.86%	0.870%
46	15.180	2223	2226	2229	rBV	104027	116428	2.35%	0.349%
47	15.403	2262	2264	2270	rVB	121604	168756	3.41%	0.506%
48	15.468	2272	2275	2279	rVV	152346	192234	3.88%	0.576%
49	15.533	2282	2286	2290	rVV	628329	828565	16.72%	2.483%
50	15.568	2290	2292	2298	rVB3	146745	175633	3.54%	0.526%
51	16.015	2365	2368	2373	rVB	82554	108727	2.19%	0.326%

Sum of corrected areas: 33371522

LSC Report - Integrated Chromatogram

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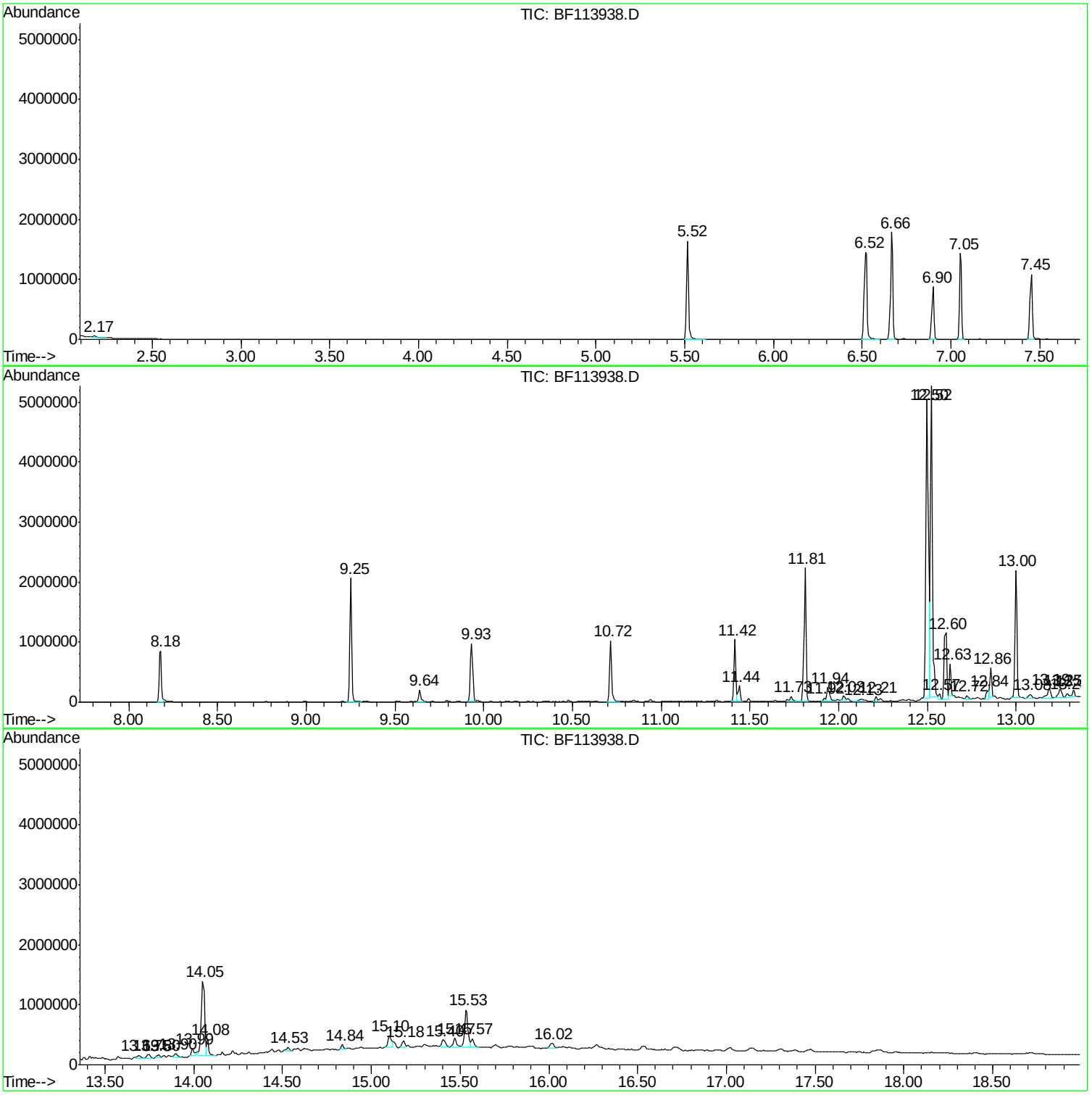
Data File : BF113938.D
Acq On : 23 Apr 2019 23:12
Operator : JU/SJ
Sample : K2204-03 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TR-05-042219

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\BF042319\
Data File : BF113938.D
Acq On : 23 Apr 2019 23:12
Operator : JU/SJ
Sample : K2204-03 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TR-05-042219

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

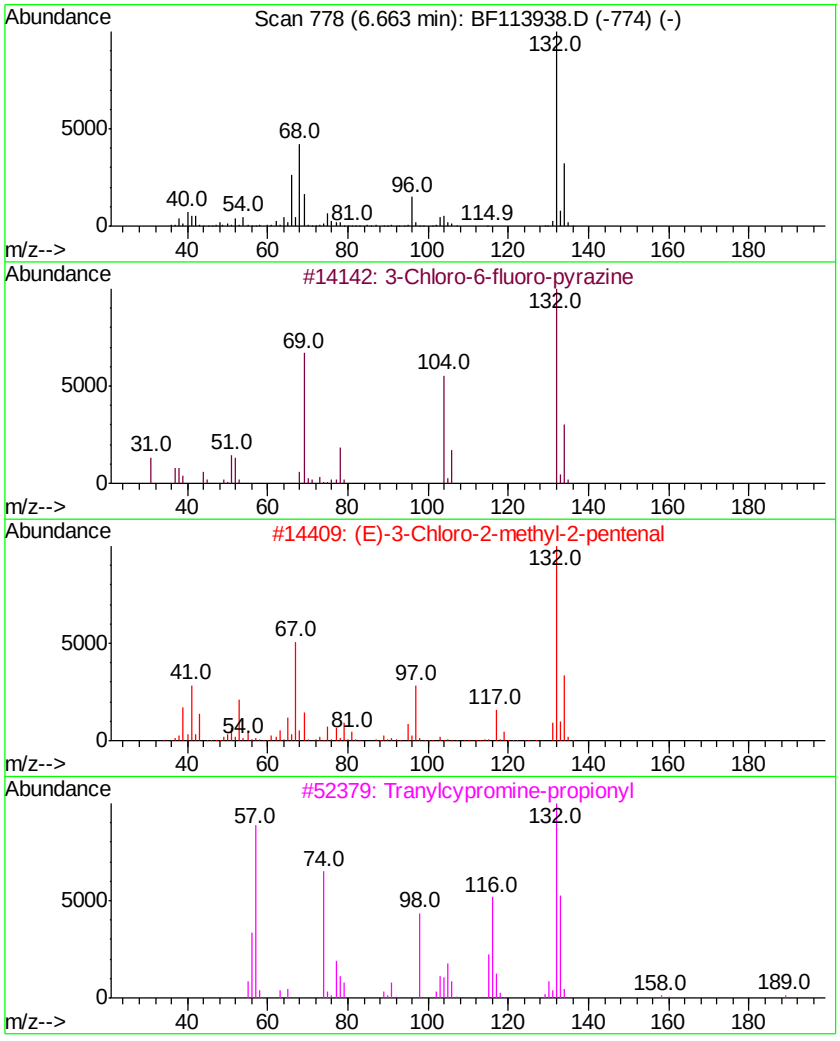
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

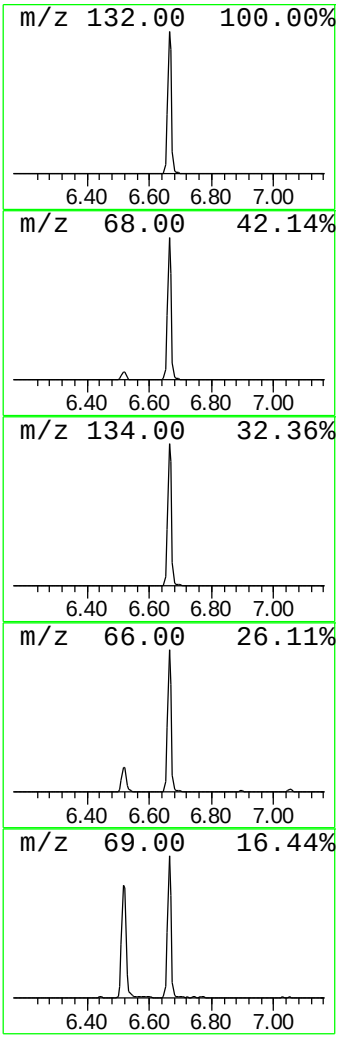
****

Peak Number 1 unknown6.66 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.66	44.26 ng	1569920	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	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	16
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042319\
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Operator : JU/SJ
Sample : K2204-03 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TR-05-042219

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

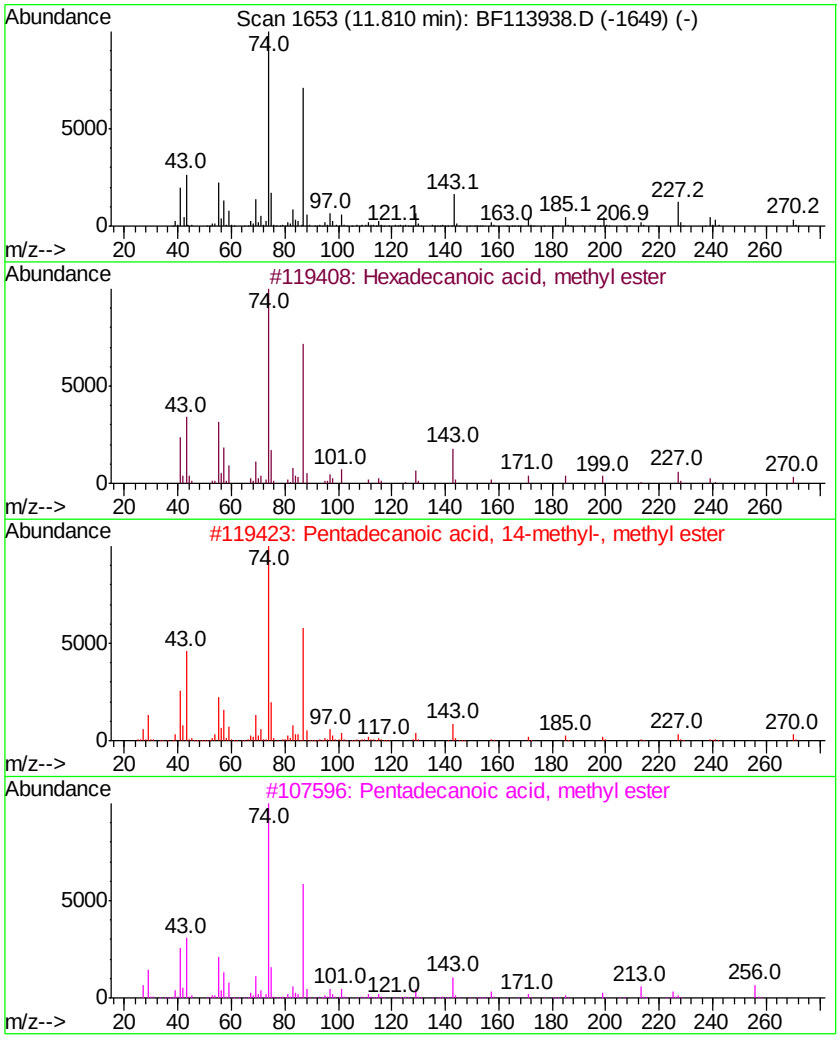
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

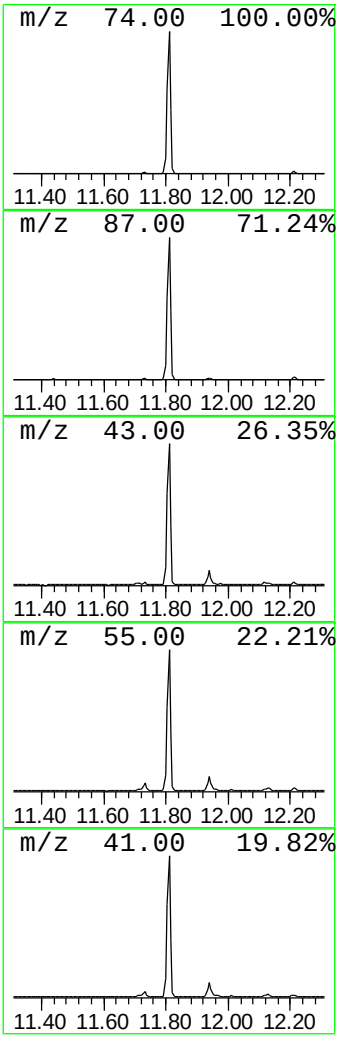
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.81	41.08 ng	1731310	Phenanthrene-d10	11.42

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	95
3	Pentadecanoic acid, methyl ester	256	C16H32O2	007132-64-1	80
4	Dodecanoic acid, 10-methyl-, met...	228	C14H28O2	005129-65-7	80
5	Tridecanoic acid, methyl ester	228	C14H28O2	001731-88-0	72





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042319\
Data File : BF113938.D
Acq On : 23 Apr 2019 23:12
Operator : JU/SJ
Sample : K2204-03 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TR-05-042219

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

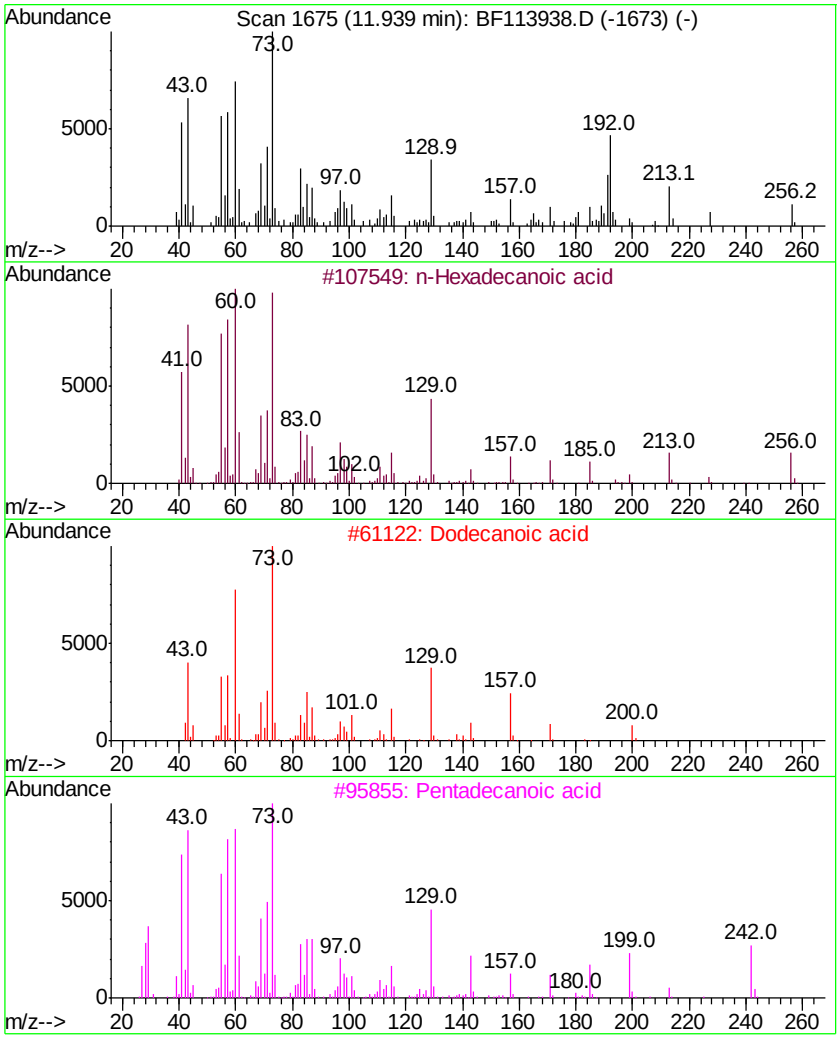
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

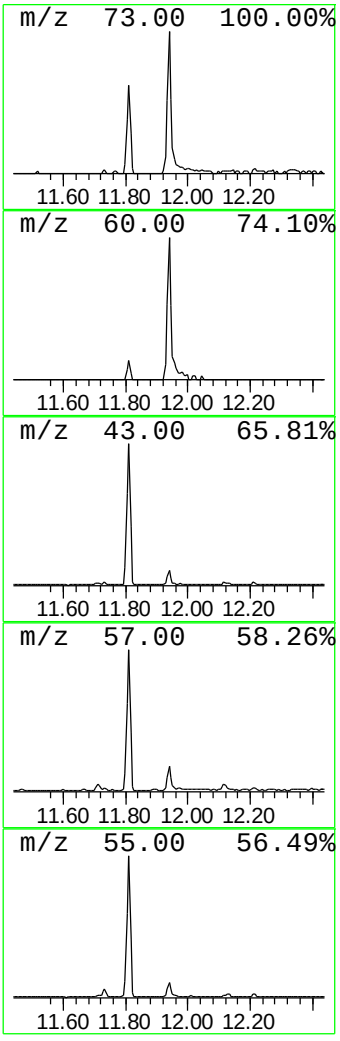
****

Peak Number 4 n-Hexadecanoic acid Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.94	5.18 ng	218310	Phenanthrene-d10	11.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Dodecanoic acid	200	C12H24O2	000143-07-7	78
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	70
4	Tridecanoic acid	214	C13H26O2	000638-53-9	64
5	Tetradecanoic acid	228	C14H28O2	000544-63-8	52





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042319\
Data File : BF113938.D
Acq On : 23 Apr 2019 23:12
Operator : JU/SJ
Sample : K2204-03 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TR-05-042219

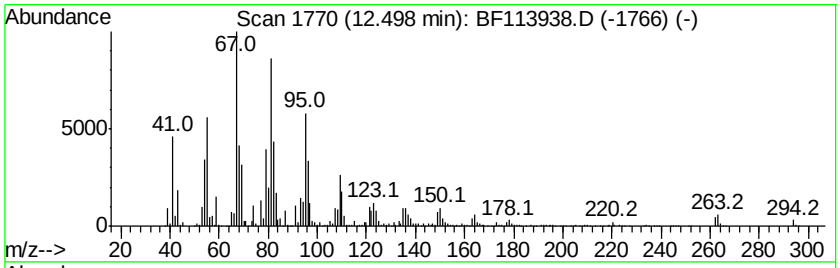
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF042219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

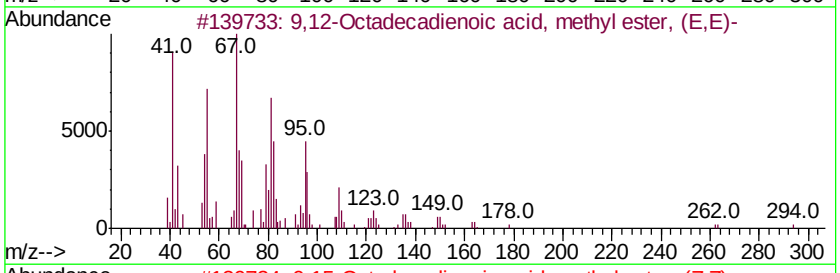
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

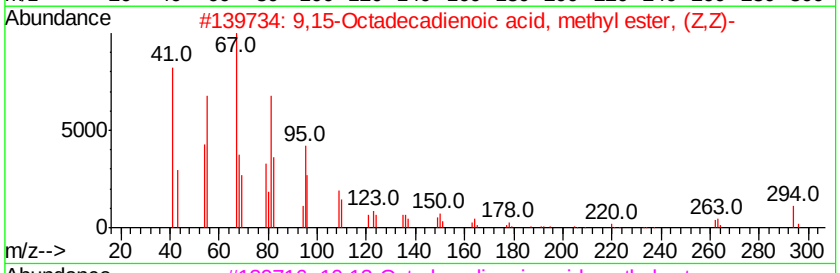
****
Peak Number 5 9,12-Octadecadienoic acid, ... Concentration Rank 1

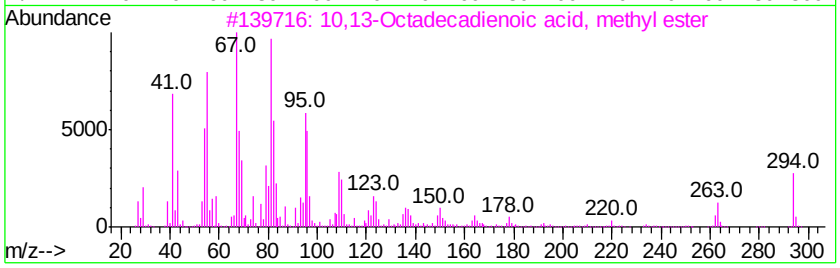
R.T.	EstConc	Area	Relative to ISTD	R.T.
12.50	117.59 ng	4955670	Phenanthrene-d10	11.42

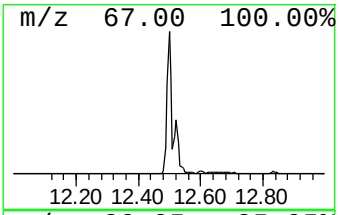
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002566-97-4	99
2	9,15-Octadecadienoic acid, methy...	294	C19H34O2	017309-05-6	99
3	10,13-Octadecadienoic acid, meth...	294	C19H34O2	056554-62-2	98
4	11,14-Octadecadienoic acid, meth...	294	C19H34O2	056554-61-1	98
5	9,12-Octadecadienoic acid (Z,Z)-...	294	C19H34O2	000112-63-0	98

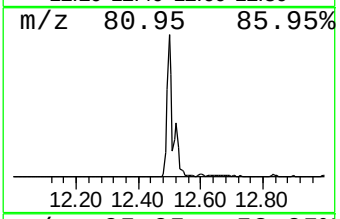


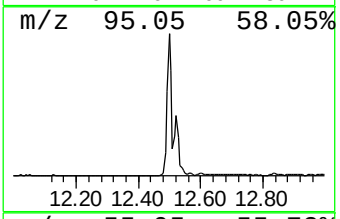


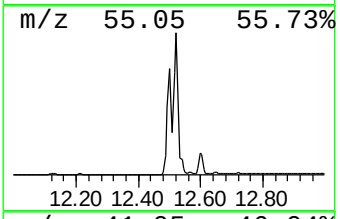


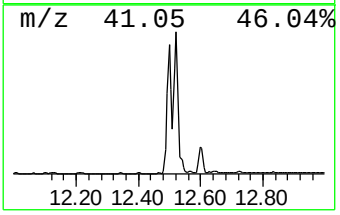












Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042319\
Data File : BF113938.D
Acq On : 23 Apr 2019 23:12
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Sample : K2204-03 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TR-05-042219

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

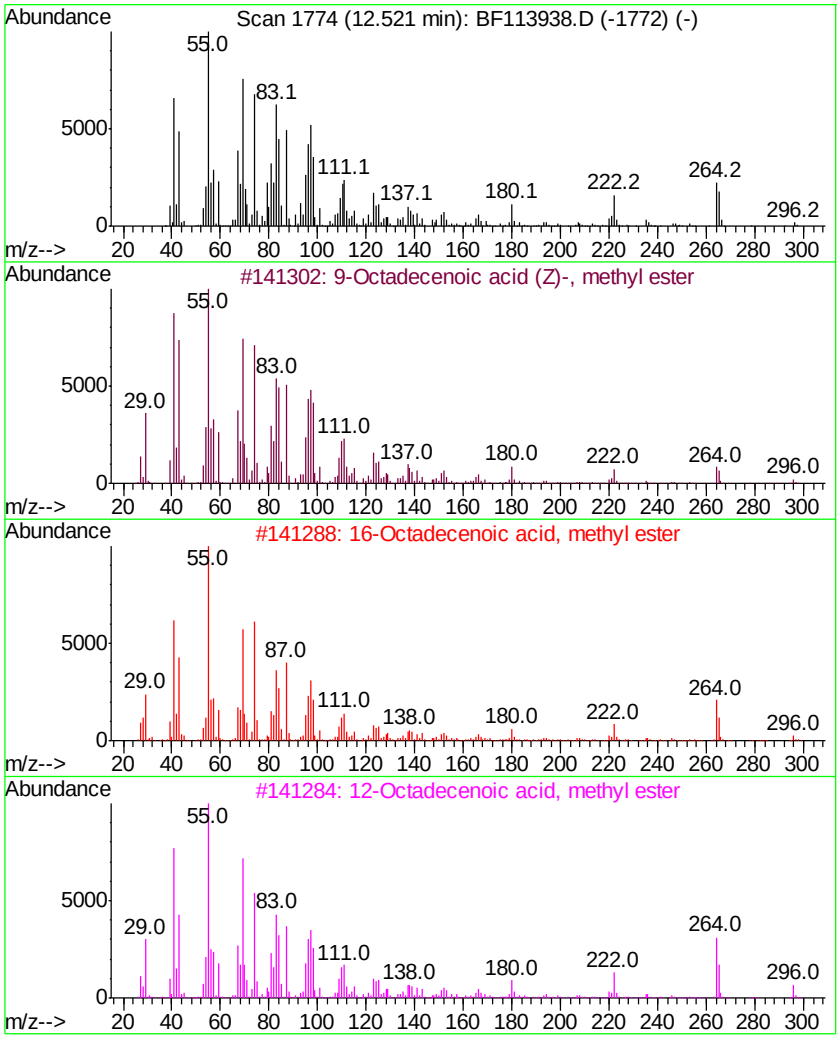
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

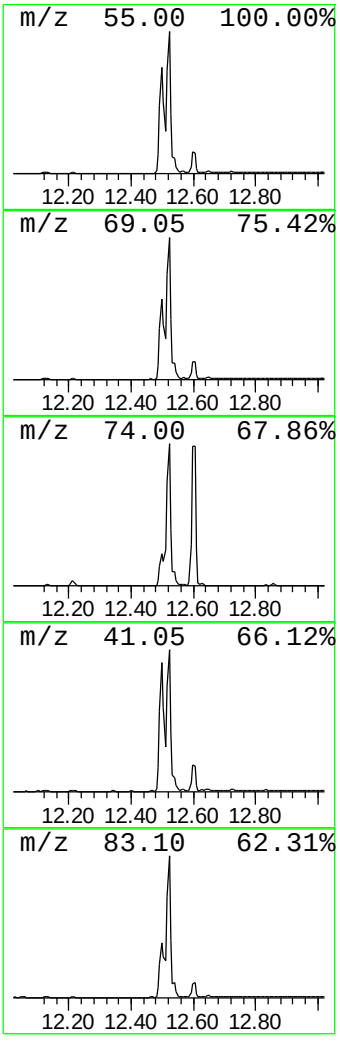
****

Peak Number 6 9-Octadecenoic acid (Z)-, m... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.52	107.21 ng	4518230	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	16-Octadecenoic acid, methyl ester	296	C19H36O2	056554-49-5	99
3	12-Octadecenoic acid, methyl ester	296	C19H36O2	056554-46-2	99
4	13-Octadecenoic acid, methyl ester	296	C19H36O2	056554-47-3	99
5	11-Octadecenoic acid, methyl est...	296	C19H36O2	001937-63-9	99





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042319\
Data File : BF113938.D
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Sample : K2204-03 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TR-05-042219

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

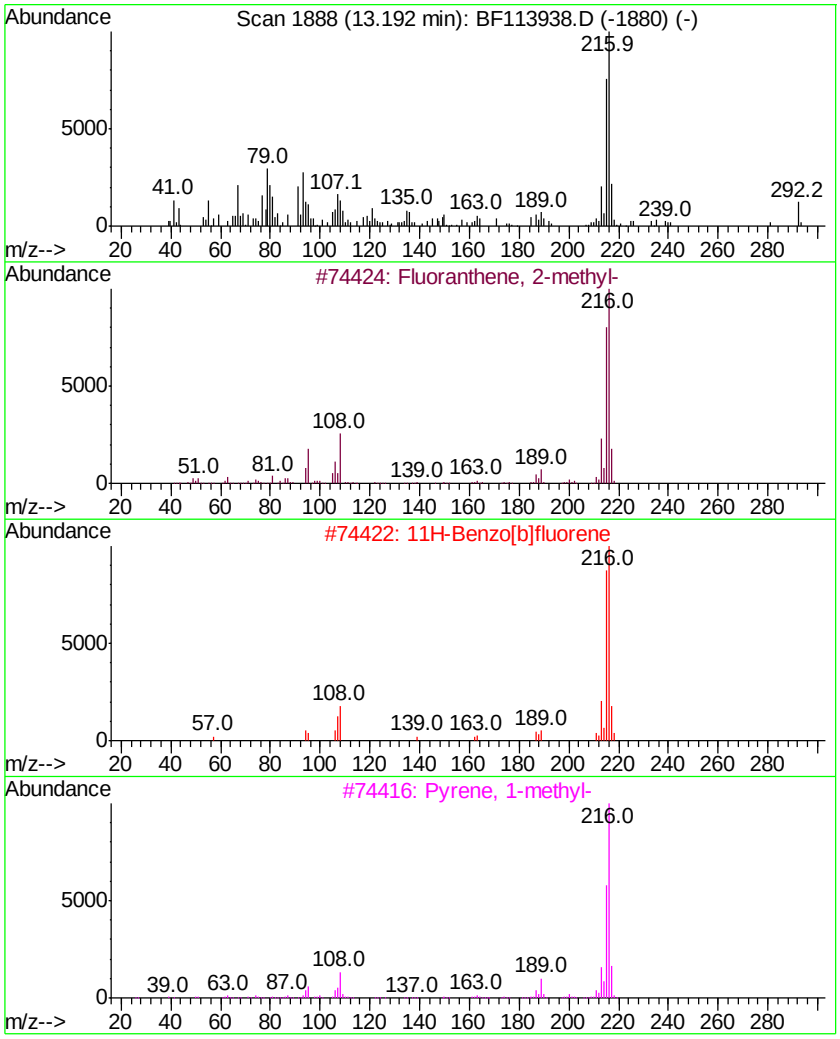
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

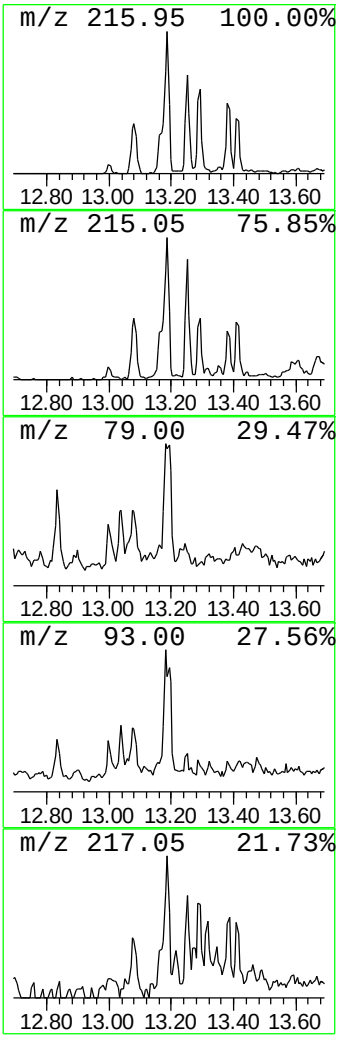
****

Peak Number 7 Fluoranthene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.19	3.16 ng	236089	Chrysene-d12	14.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	87





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042319\
Data File : BF113938.D
Acq On : 23 Apr 2019 23:12
Operator : JU/SJ
Sample : K2204-03 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TR-05-042219

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

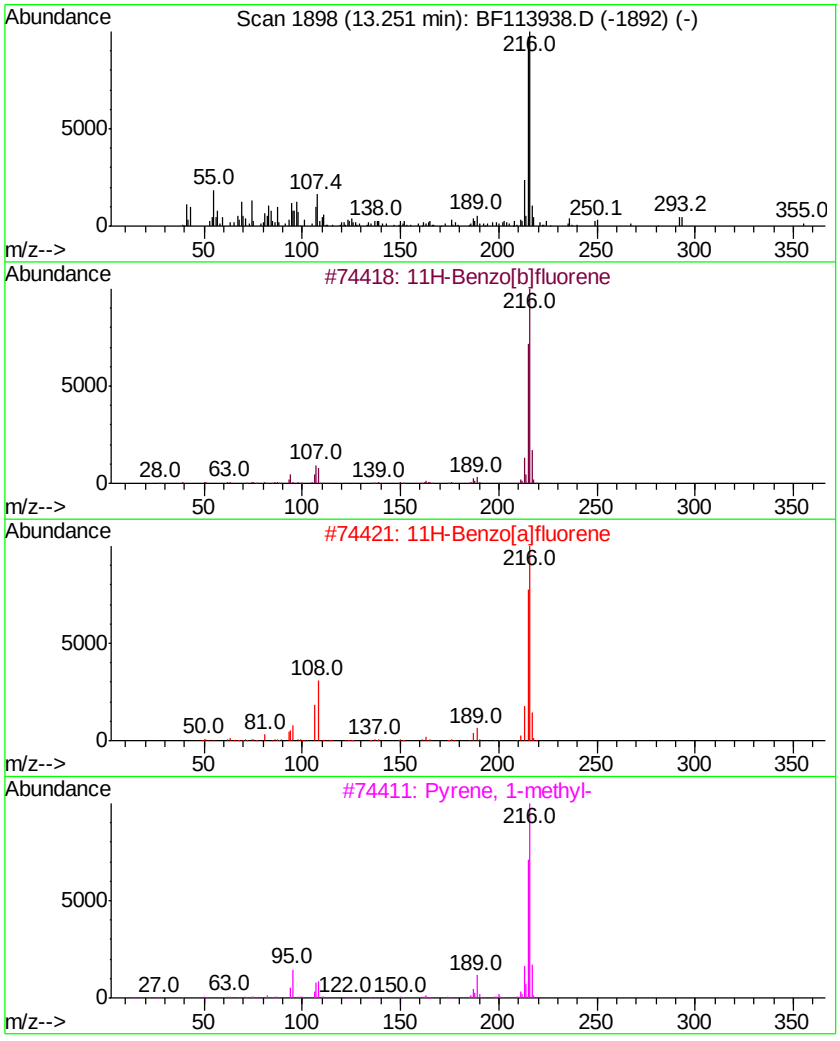
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

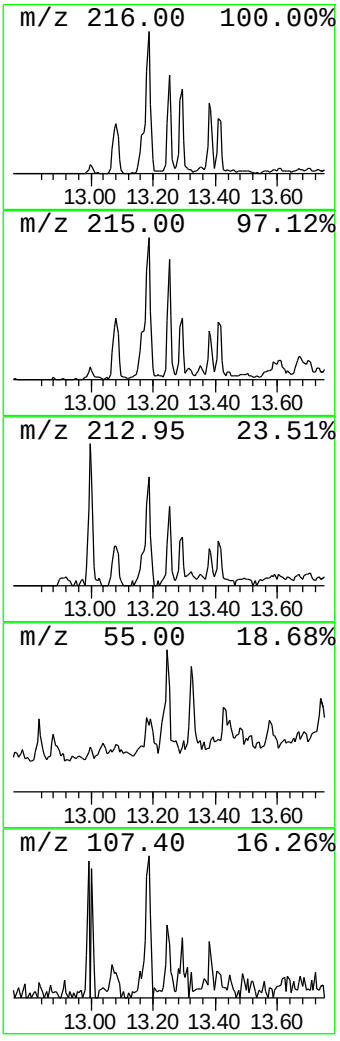
****

Peak Number 8 11H-Benzo[b]fluorene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.25	2.20 ng	164341	Chrysene-d12	14.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	64
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	64
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	62
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	62





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Data File : BF113938.D
Acq On : 23 Apr 2019 23:12
Operator : JU/SJ
Sample : K2204-03 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TR-05-042219

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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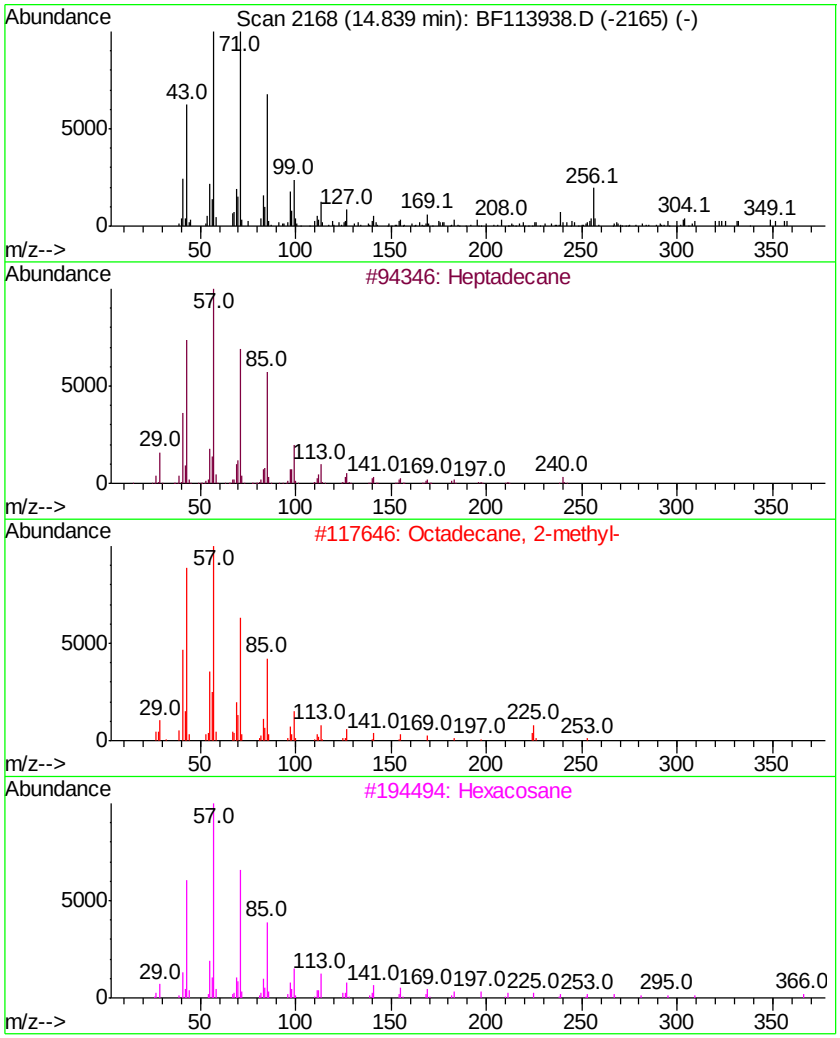
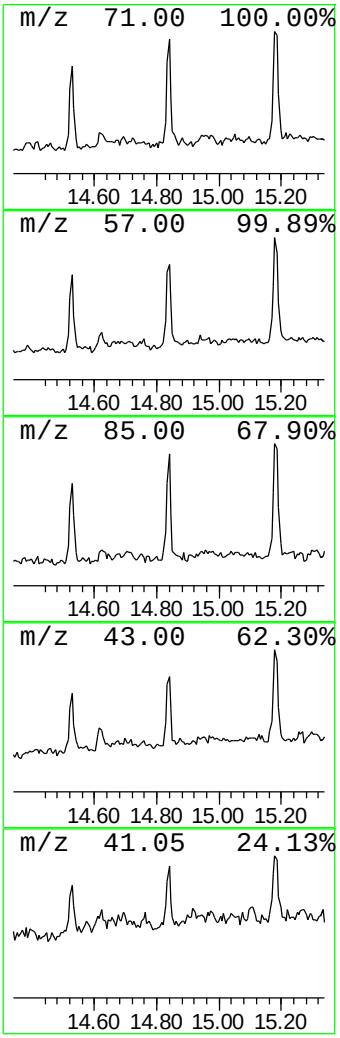
Peak Number 9 Heptadecane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.84	2.07 ng	85778	Perylene-d12	15.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	87
2	Octadecane, 2-methyl-	268	C19H40	001560-88-9	72
3	Hexacosane	366	C26H54	000630-01-3	72
4	Octacosane	394	C28H58	000630-02-4	72
5	Octadecane	254	C18H38	000593-45-3	55





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Operator : JU/SJ
Sample : K2204-03 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TR-05-042219

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF042219.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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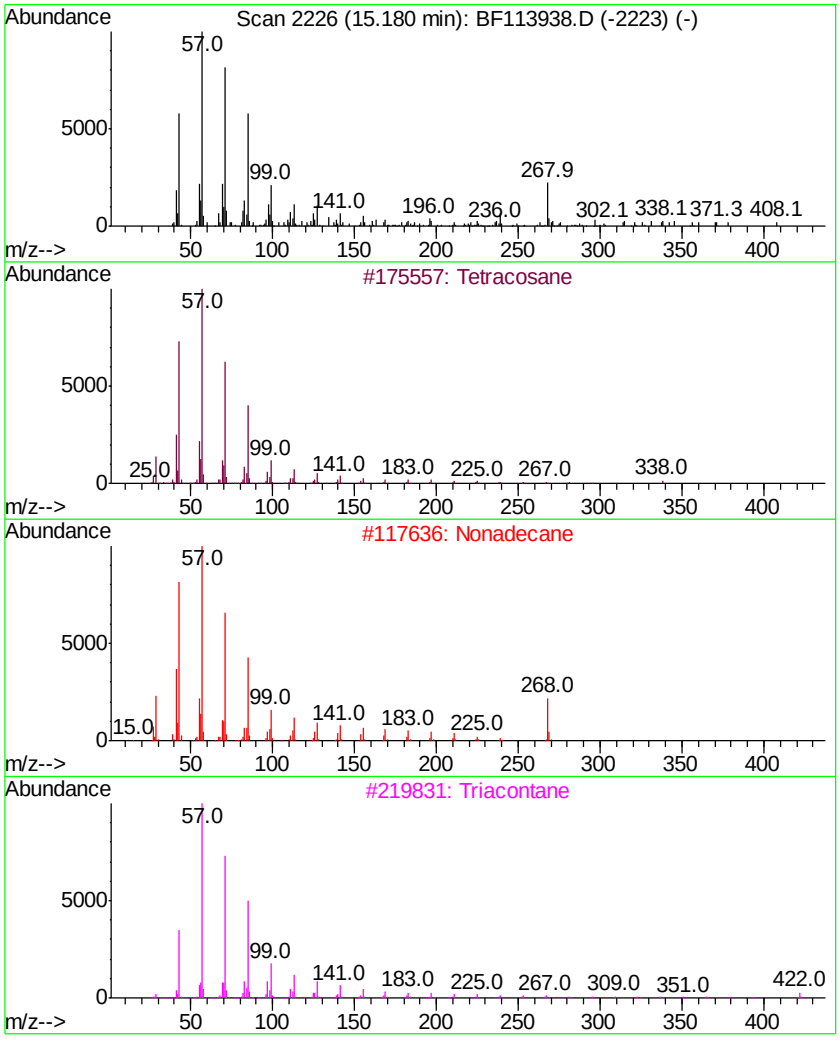
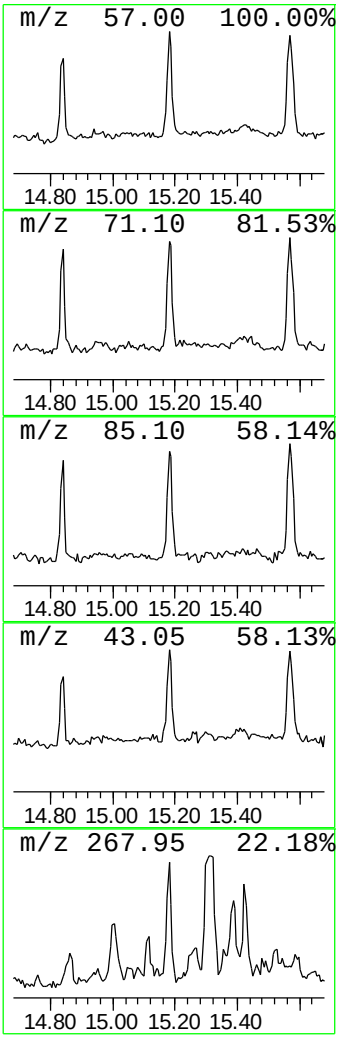
Peak Number 10 Tetracosane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.18	2.81 ng	116428	Perylene-d12	15.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetracosane	338	C24H50	000646-31-1	93
2	Nonadecane	268	C19H40	000629-92-5	87
3	Triacontane	422	C30H62	000638-68-6	83
4	Tridecanol, 2-ethyl-2-methyl-	242	C16H34O	1000115-66-1	83
5	Heneicosane	296	C21H44	000629-94-7	83





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Data File : BF113938.D
Acq On : 23 Apr 2019 23:12
Operator : JU/SJ
Sample : K2204-03 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TR-05-042219

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

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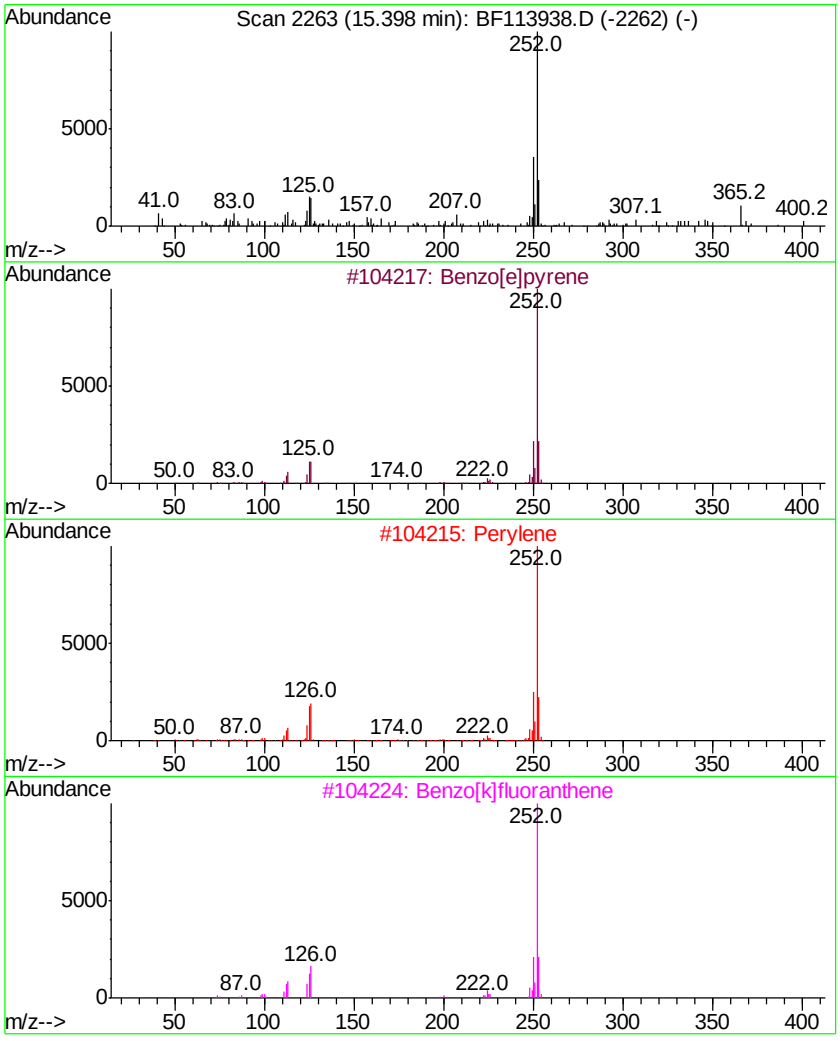
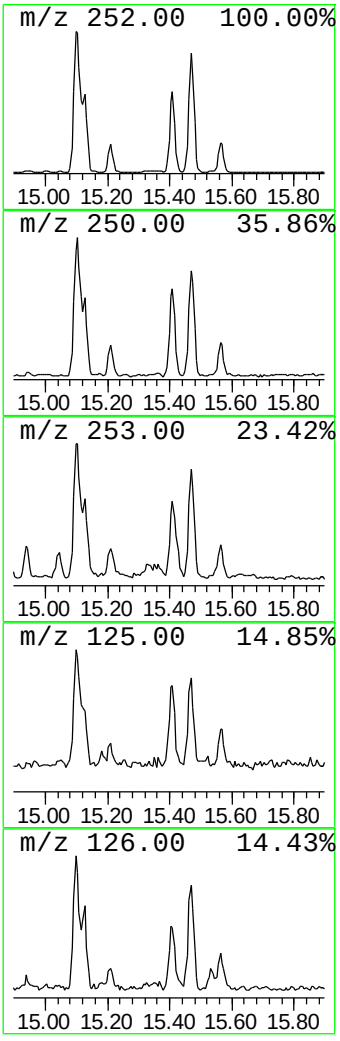
Peak Number 11 Benzo[e]pyrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.40	4.07 ng	168756	Perylene-d12	15.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	93
2	Perylene	252	C20H12	000198-55-0	90
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90
4	Benzo[a]pyrene	252	C20H12	000050-32-8	90
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	89





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Data File : BF113938.D
Acq On : 23 Apr 2019 23:12
Operator : JU/SJ
Sample : K2204-03 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TR-05-042219

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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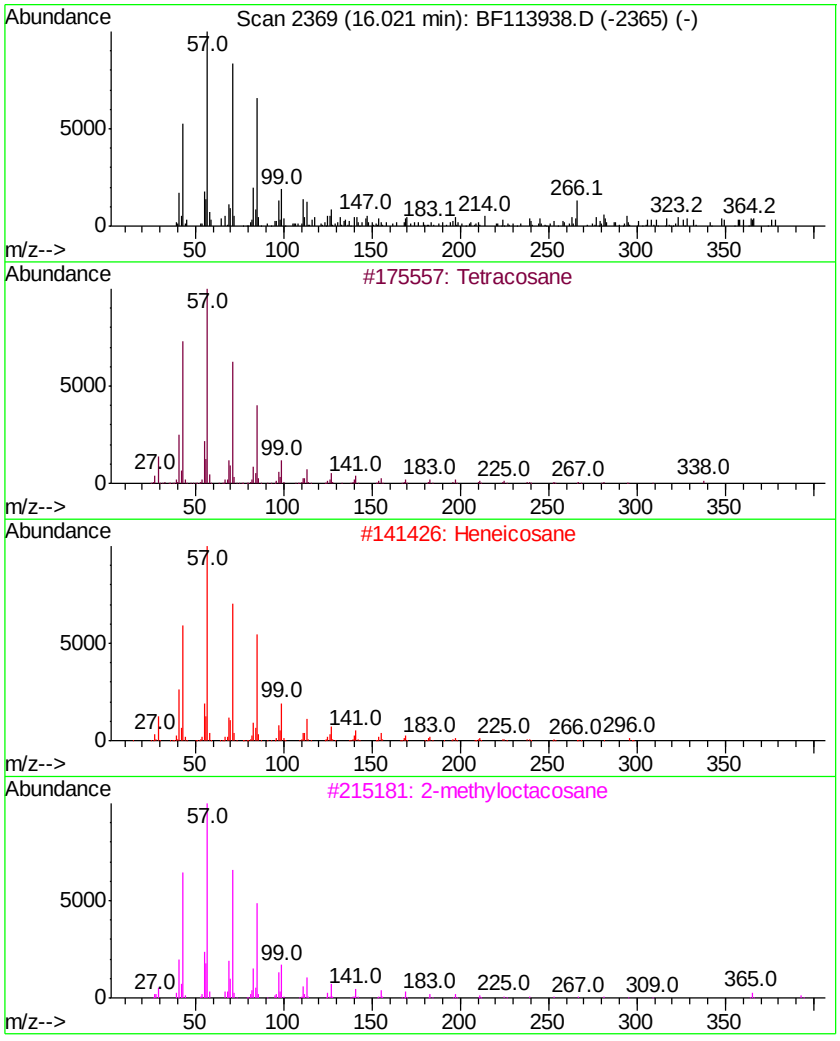
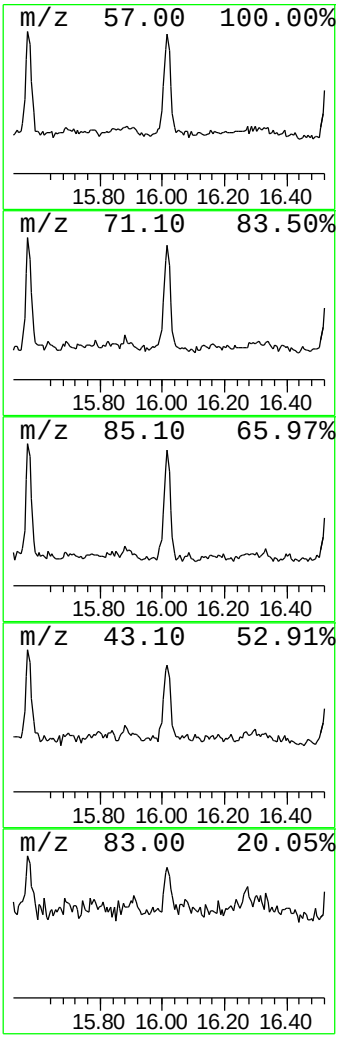
Peak Number 12 2-methyloctacosane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.02	2.62 ng	108727	Perylene-d12	15.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetracosane	338	C24H50	000646-31-1	93
2	Heneicosane	296	C21H44	000629-94-7	90
3	2-methyloctacosane	408	C29H60	1000376-72-8	81
4	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	76
5	Tetracosane, 11-decyl-	479	C34H70	055429-84-0	74





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF042319\
Data File : BF113938.D
Acq On : 23 Apr 2019 23:12
Operator : JU/SJ
Sample : K2204-03 2X
Misc :
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Instrument : BNA_F
ClientSampleId : TR-05-042219

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	44.3	ng	1569920	1	6.90	709338	20.0
Hexadecanoic acid...	11.81	41.1	ng	1731310	4	11.42	842879	20.0
n-Hexadecanoic acid	11.94	5.2	ng	218310	4	11.42	842879	20.0
9,12-Octadecadien...	12.50	117.6	ng	4955670	4	11.42	842879	20.0
9-Octadecenoic ac...	12.52	107.2	ng	4518230	4	11.42	842879	20.0
Fluoranthene, 2-m...	13.19	3.2	ng	236089	5	14.05	1492450	20.0
11H-Benzo[b]fluorene	13.25	2.2	ng	164341	5	14.05	1492450	20.0
Heptadecane	14.84	2.1	ng	85778	6	15.53	828565	20.0
Tetracosane	15.18	2.8	ng	116428	6	15.53	828565	20.0
Benzo[e]pyrene	15.40	4.1	ng	168756	6	15.53	828565	20.0
2-methyloctacosane	16.02	2.6	ng	108727	6	15.53	828565	20.0