LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121618\
Data File : BF111506.D
Acq On : 16 Dec 2018 14:07
Operator : JU/SJ
Sample : J6303-03 2X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NR38-C1-110718

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-BF121418.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	5.404	560	564	579	rVB	1228256	1234653	16.46%	3.113%
2	6.422	733	737	746	rBV	1612021	1419710	18.92%	3.580%
3	6.557	756	760	767	rBV	1766157	1488322	19.84%	3.753%
4	6.787	795	799	802	rBV	1413180	1145836	15.27%	2.889%
5	6.940	822	825	829	rBV	1487054	1252457	16.69%	3.158%
6	7.340	889	893	900	rBV	1105713	1000292	13.33%	2.522%
7	8.069	1013	1017	1020	rBV	1989694	1616253	21.54%	4.075%
8	9.139	1196	1199	1203	rBV	2030388	1811240	24.14%	4.567%
9	9.534	1264	1266	1271	rVB	138963	118048	1.57%	0.298%
10	9.822	1311	1315	1319	rBV	2077529	1747164	23.29%	4.405%
11	10.034	1346	1351	1358	rBV3	218538	287032	3.83%	0.724%
12	10.604	1445	1448	1453	rBV	757809	650404	8.67%	1.640%
13	10.980	1508	1512	1519	rBV	191535	223259	2.98%	0.563%
14	11.304	1563	1567	1569	rBV	1401640	1186619	15.82%	2.992%
15	11.328	1569	1571	1574	rVV	378142	311601	4.15%	0.786%
16	11.380	1577	1580	1584	rVB	84178	86205	1.15%	0.217%
17	11.775	1642	1647	1648	rBV3	90873	124626	1.66%	0.314%
18	11.804	1650	1652	1653	rVV	105816	83024	1.11%	0.209%
19	11.863	1653	1662	1669	rVV	4641036	7502401	100.00%	18.917%
20	12.251	1723	1728	1739	rVB2	237593	703507	9.38%	1.774%
21	12.516	1767	1773	1775	rBV	620930	689202	9.19%	1.738%
22	12.551	1776	1779	1786	rVV	468196	810125	10.80%	2.043%
23	12.633	1787	1793	1804	rVB	3604889	5550958	73.99%	13.996%
24	12.739	1809	1811	1815	rVB	477020	472947	6.30%	1.193%
25	12.886	1833	1836	1844	rVB	1413465	1228320	16.37%	3.097%
26	13.445	1928	1931	1933	rBV	107713	101732	1.36%	0.257%
27	13.551	1941	1949	1960	rBV3	391268	1264855	16.86%	3.189%
28	13.798	1989	1991	2000	rVB4	122567	183430	2.44%	0.463%
29	13.939	2010	2015	2018	rBV2	1465377	1581445	21.08%	3.988%
30	13.963	2018	2019	2022	rVB	245851	150917	2.01%	0.381%
31	14.316	2074	2079	2085	rBV2	433054	863288	11.51%	2.177%
32	14.963	2185	2189	2199	rVB2	395419	773161	10.31%	1.949%
33	15.251	2235	2238	2245	rVB	160072	207713	2.77%	0.524%
34	15.310	2246	2248	2252	rBV	147631	164885	2.20%	0.416%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121618\
Data File : BF111506.D
Acq On : 16 Dec 2018 14:07
Operator : JU/SJ
Sample : J6303-03 2X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NR38-C1-110718

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-BF121418.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	15.374	2255	2259	2263	rBV	951186	1178040	15.70%	2.970%
36	16.486	2445	2448	2458	rVB4	224982	446054	5.95%	1.125%

Sum of corrected areas: 39659725

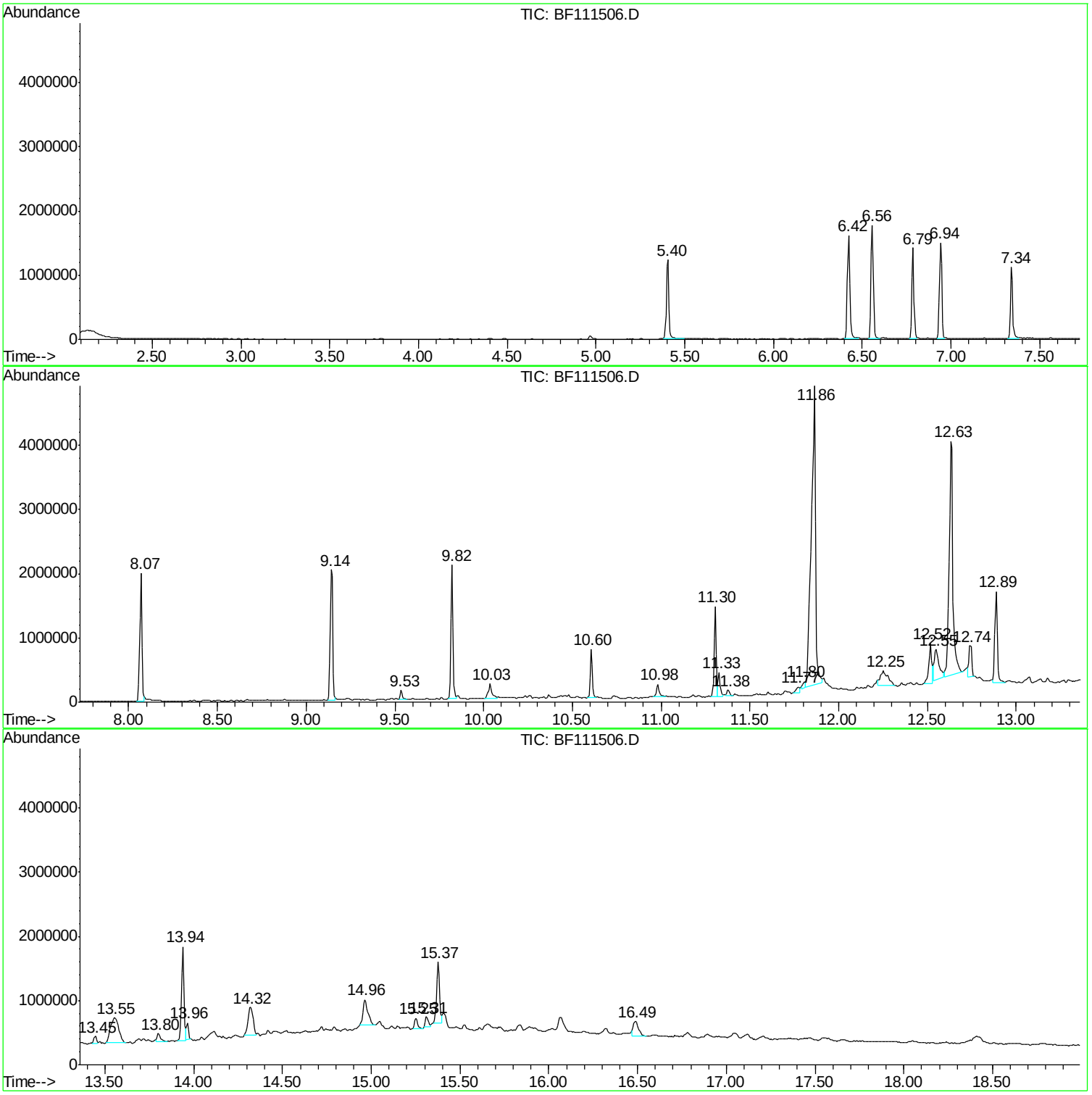
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121618\
Data File : BF111506.D
Acq On : 16 Dec 2018 14:07
Operator : JU/SJ
Sample : J6303-03 2X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NR38-C1-110718

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121418.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\BF121618\
Data File : BF111506.D
Acq On : 16 Dec 2018 14:07
Operator : JU/SJ
Sample : J6303-03 2X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NR38-C1-110718

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

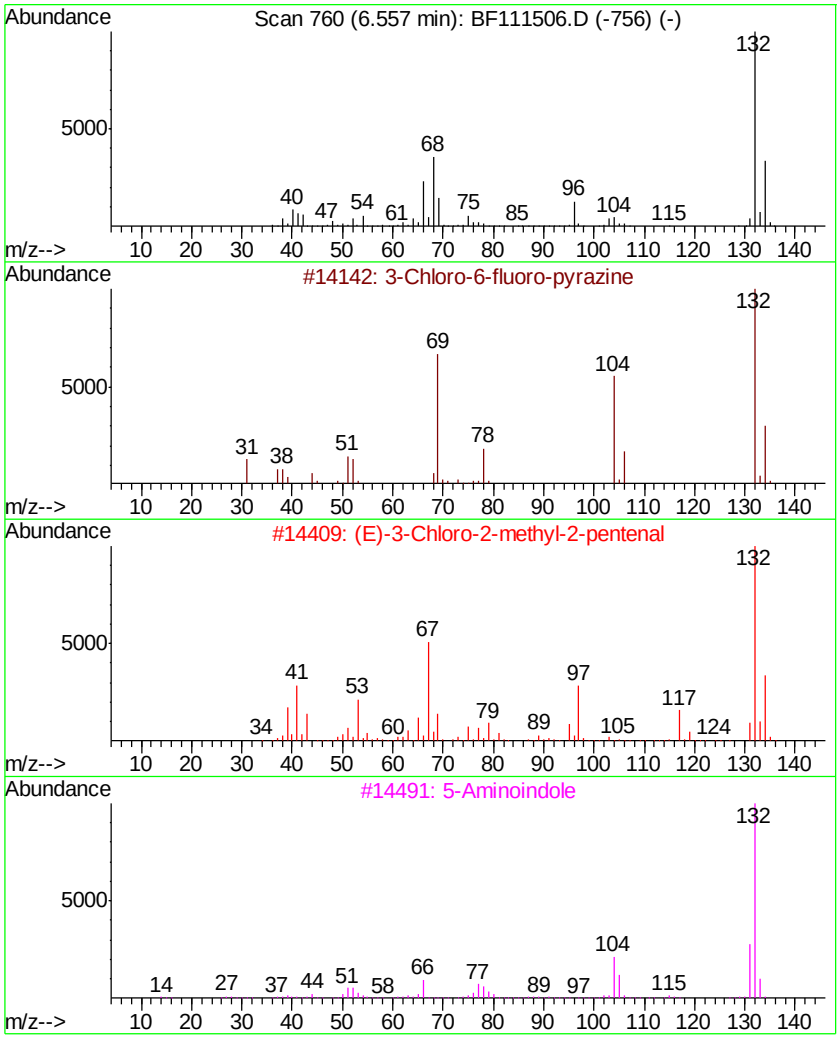
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

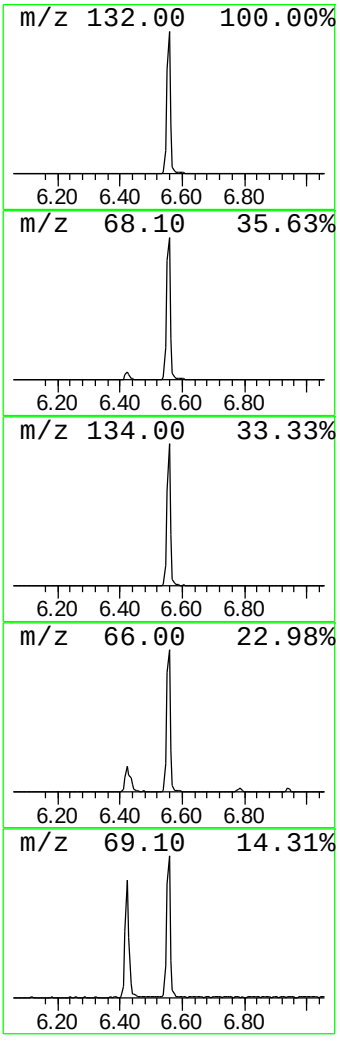
****

Peak Number 1 unknown6.56 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.56	25.98 ng	1488320	1,4-Dichlorobenzene-d4	6.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	35
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	25
3	5-Aminoindole	132	C8H8N2	005192-03-0	16
4	Xenon	132	Xe	007440-63-3	9
5	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121618\
Data File : BF111506.D
Acq On : 16 Dec 2018 14:07
Operator : JU/SJ
Sample : J6303-03 2X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NR38-C1-110718

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

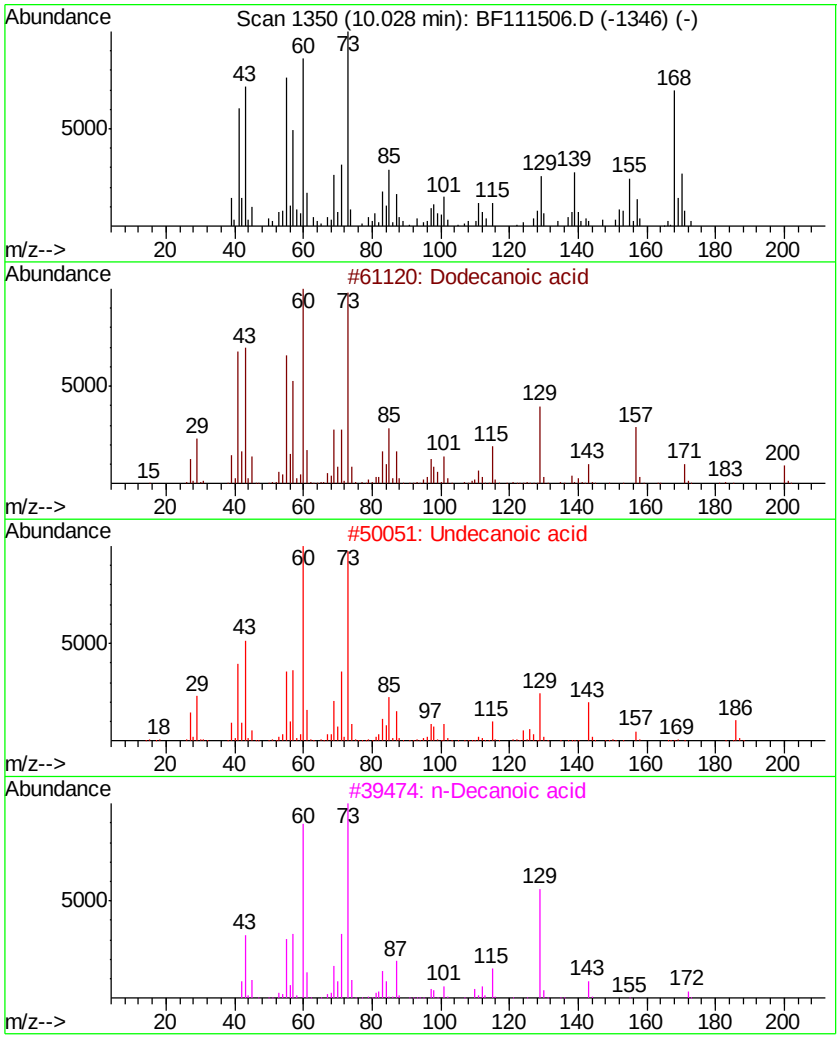
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

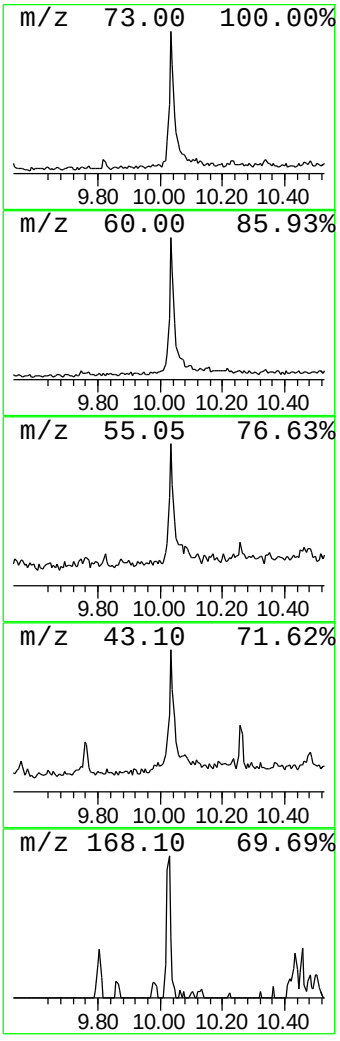
****

Peak Number 3 Dodecanoic acid Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.03	3.29 ng	287032	Acenaphthene-d10	9.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecanoic acid	200	C12H24O2	000143-07-7	98
2	Undecanoic acid	186	C11H22O2	000112-37-8	80
3	n-Decanoic acid	172	C10H20O2	000334-48-5	64
4	Nonanoic acid	158	C9H18O2	000112-05-0	60
5	Ethanone, 1-(4,5-dihydro-2-thiaz...	129	C5H7NOS	029926-41-8	55





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121618\
Data File : BF111506.D
Acq On : 16 Dec 2018 14:07
Operator : JU/SJ
Sample : J6303-03 2X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NR38-C1-110718

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

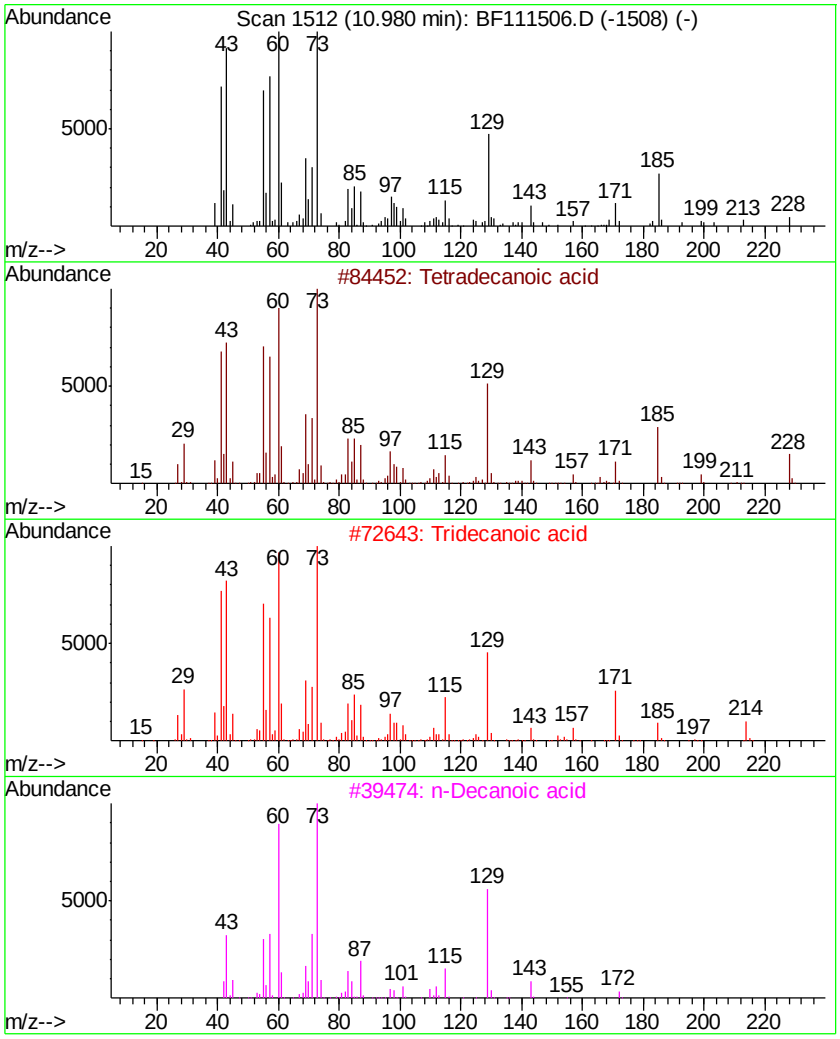
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

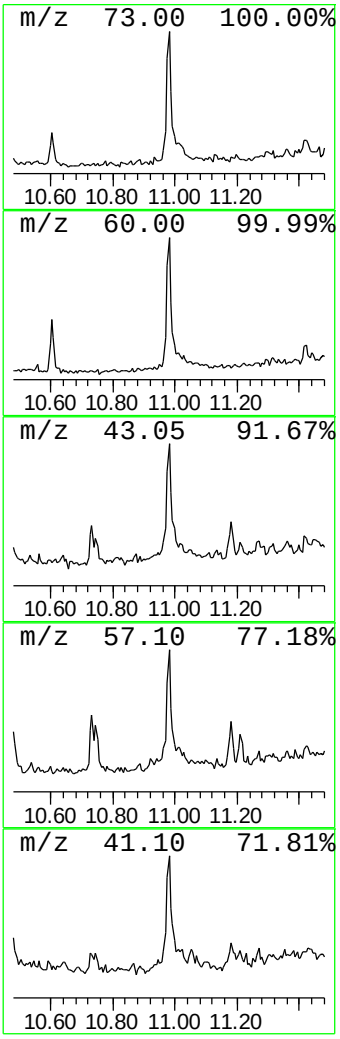
****

Peak Number 4 Tetradecanoic acid Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.98	3.76 ng	223259	Phenanthrene-d10	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecanoic acid	228	C14H28O2	000544-63-8	87
2	Tridecanoic acid	214	C13H26O2	000638-53-9	72
3	n-Decanoic acid	172	C10H20O2	000334-48-5	64
4	Dodecanoic acid	200	C12H24O2	000143-07-7	53
5	Nonanoic acid	158	C9H18O2	000112-05-0	43





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121618\
Data File : BF111506.D
Acq On : 16 Dec 2018 14:07
Operator : JU/SJ
Sample : J6303-03 2X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NR38-C1-110718

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

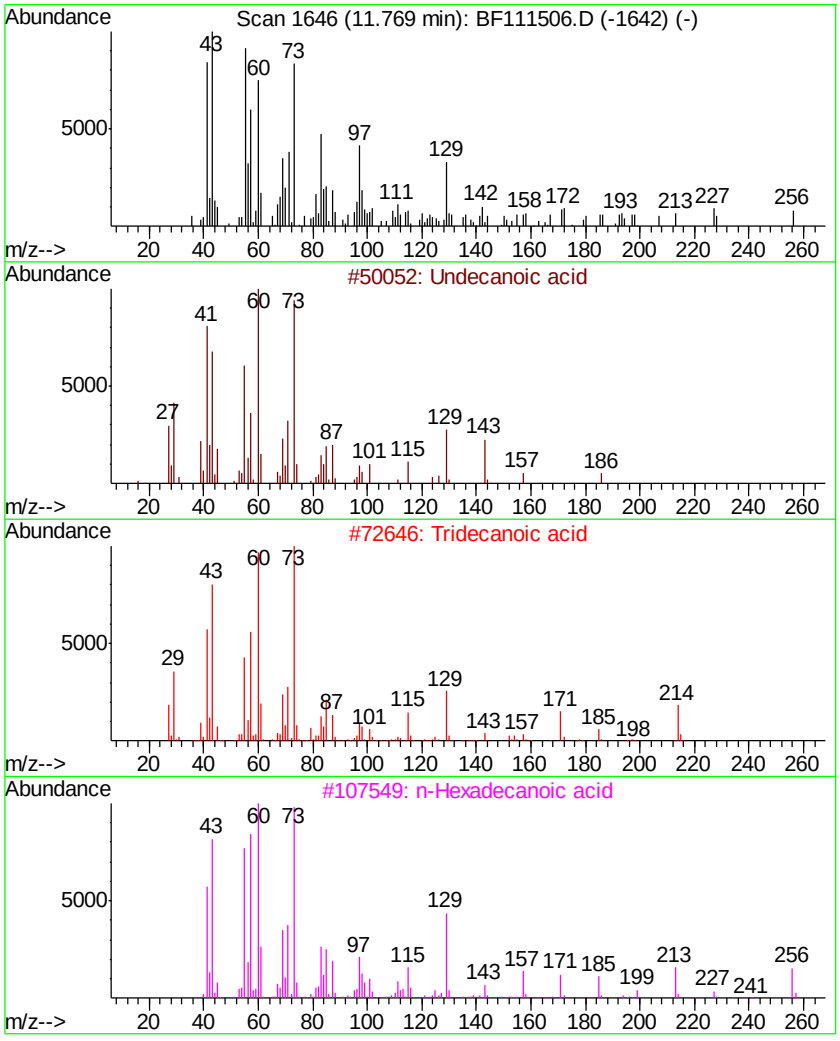
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

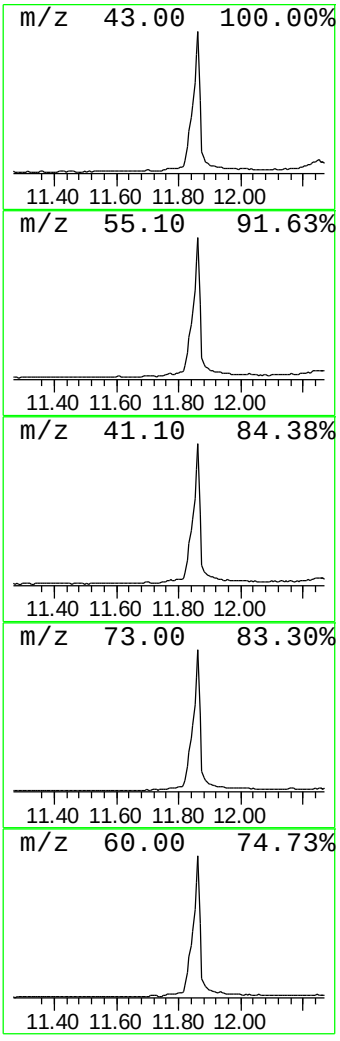
****

Peak Number 5 Undecanoic acid Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.77	2.10 ng	124626	Phenanthrene-d10	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecanoic acid	186	C11H22O2	000112-37-8	55
2	Tridecanoic acid	214	C13H26O2	000638-53-9	53
3	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	50
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	43
5	Myristoleic acid	226	C14H26O2	000544-64-9	25





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121618\
Data File : BF111506.D
Acq On : 16 Dec 2018 14:07
Operator : JU/SJ
Sample : J6303-03 2X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NR38-C1-110718

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

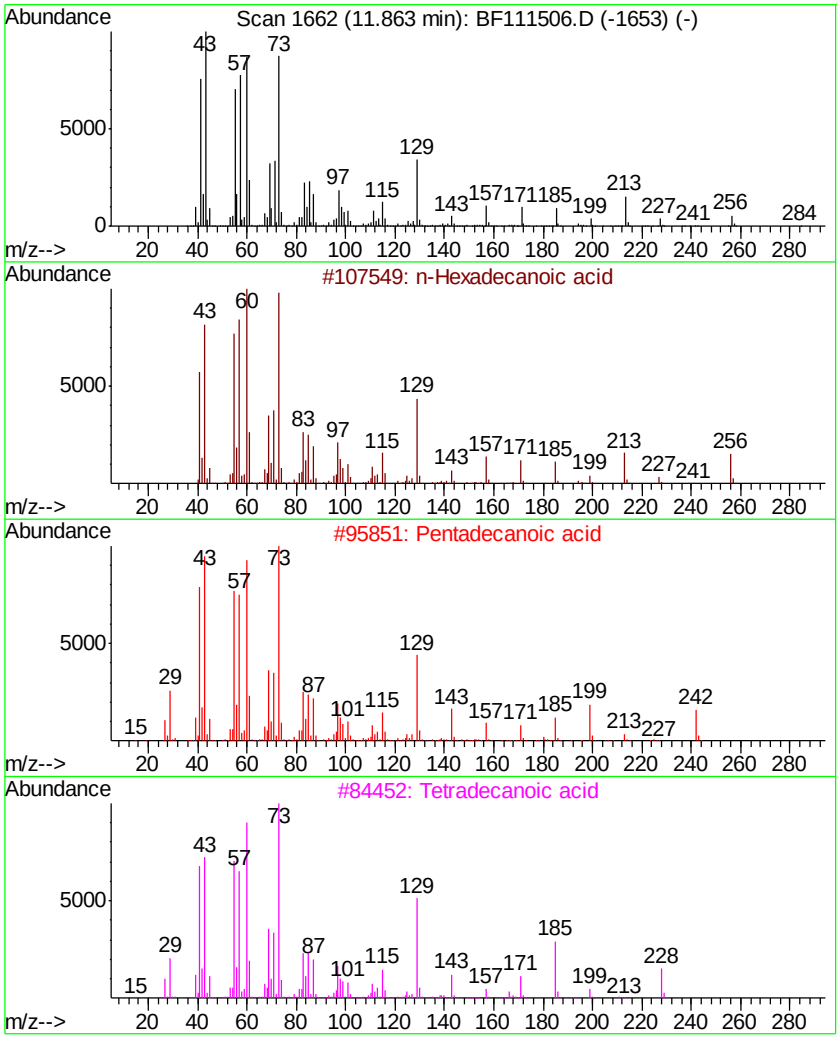
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

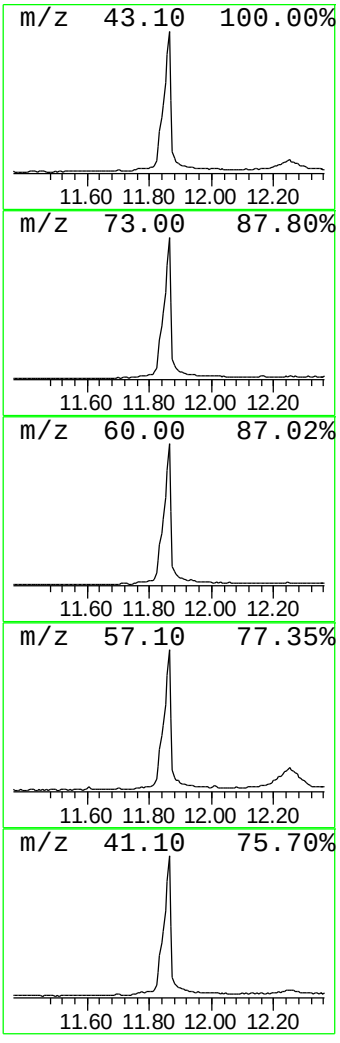
****

Peak Number 6 n-Hexadecanoic acid Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.86	126.45 ng	7502400	Phenanthrene-d10	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	94
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	90
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	81
4	Tridecanoic acid	214	C13H26O2	000638-53-9	72
5	Undecanoic acid	186	C11H22O2	000112-37-8	68





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121618\
Data File : BF111506.D
Acq On : 16 Dec 2018 14:07
Operator : JU/SJ
Sample : J6303-03 2X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NR38-C1-110718

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

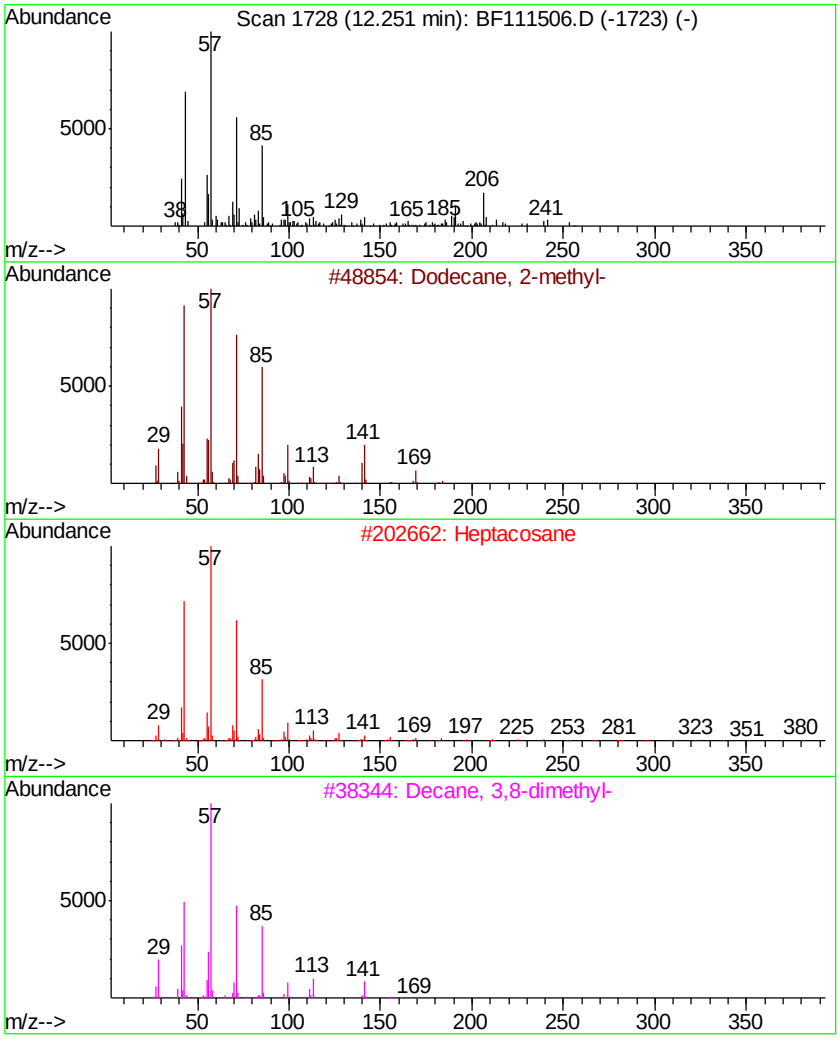
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

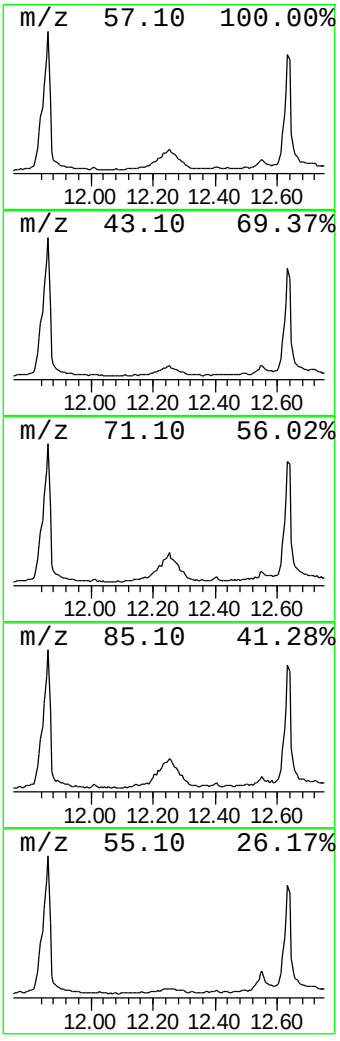
****

Peak Number 7 Dodecane, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.25	11.86 ng	703507	Phenanthrene-d10	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2-methyl-	184	C13H28	001560-97-0	58
2	Heptacosane	380	C27H56	000593-49-7	58
3	Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	53
4	Undecane, 3,7-dimethyl-	184	C13H28	017301-29-0	50
5	Nonane	128	C9H20	000111-84-2	49





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121618\
Data File : BF111506.D
Acq On : 16 Dec 2018 14:07
Operator : JU/SJ
Sample : J6303-03 2X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NR38-C1-110718

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

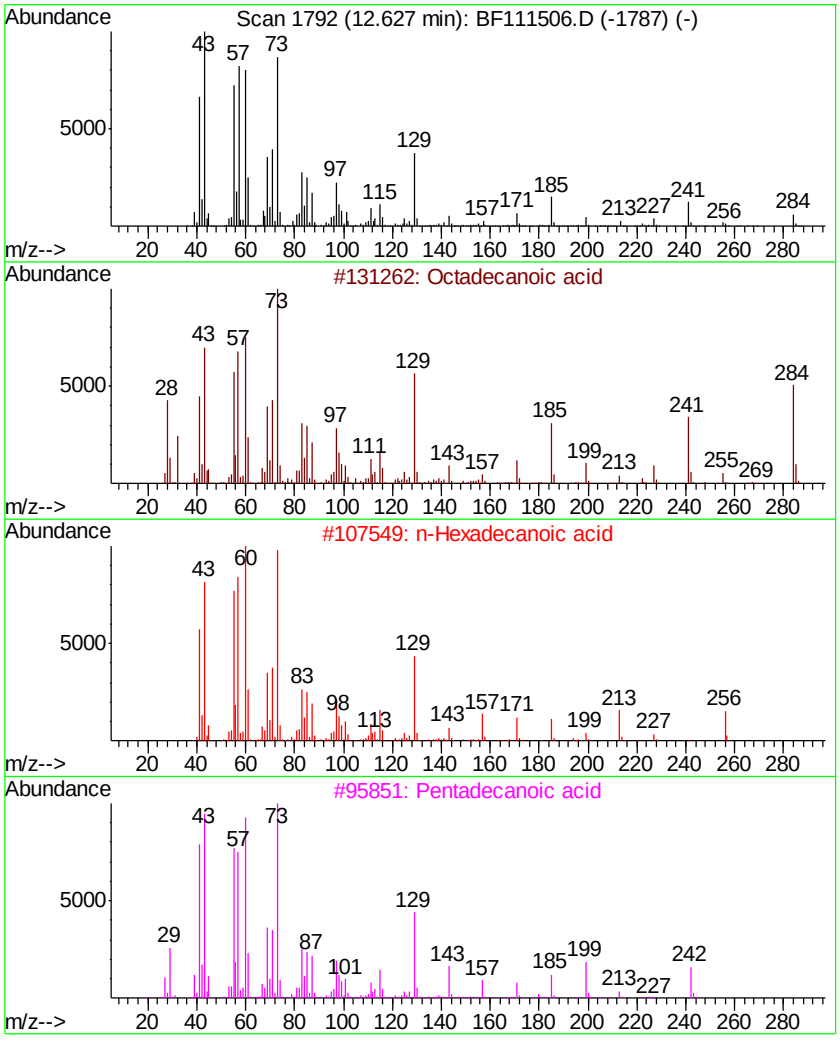
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

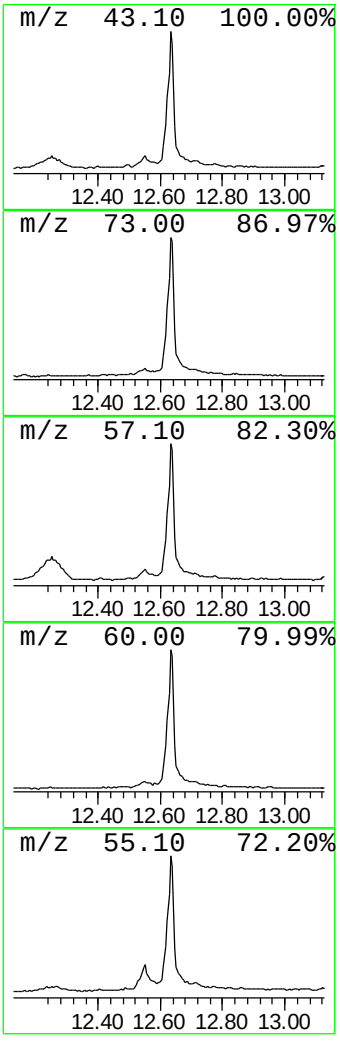
****

Peak Number 8 Octadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.63	70.20 ng	5550960	Chrysene-d12	13.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	90
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	89
4	n-Decanoic acid	172	C10H20O2	000334-48-5	70
5	Tetradecanoic acid	228	C14H28O2	000544-63-8	58





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121618\
Data File : BF111506.D
Acq On : 16 Dec 2018 14:07
Operator : JU/SJ
Sample : J6303-03 2X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NR38-C1-110718

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

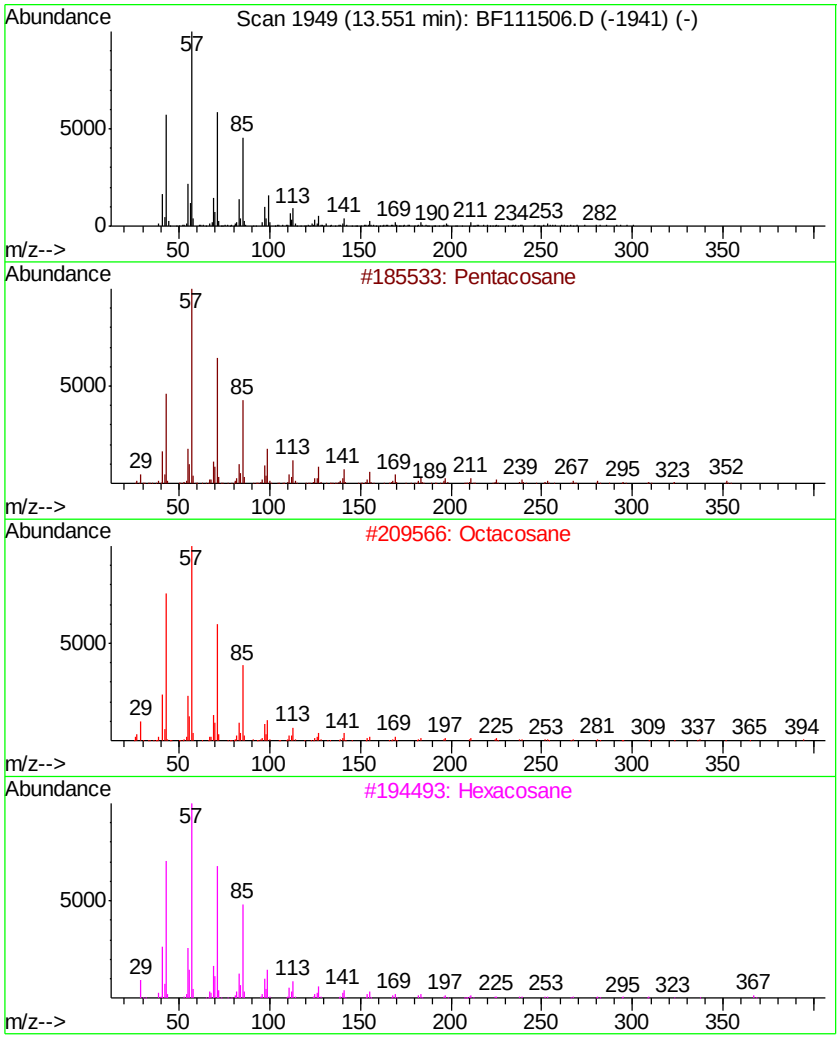
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

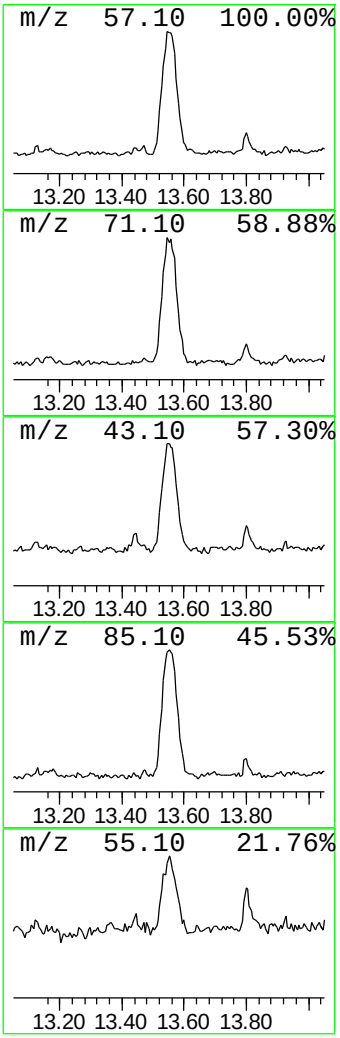
****

Peak Number 9 Pentacosane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.55	16.00 ng	1264860	Chrysene-d12	13.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentacosane	352	C25H52	000629-99-2	91
2	Octacosane	394	C28H58	000630-02-4	91
3	Hexacosane	366	C26H54	000630-01-3	91
4	2-methyloctacosane	408	C29H60	1000376-72-8	87
5	Heneicosane	296	C21H44	000629-94-7	87





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121618\
Data File : BF111506.D
Acq On : 16 Dec 2018 14:07
Operator : JU/SJ
Sample : J6303-03 2X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NR38-C1-110718

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

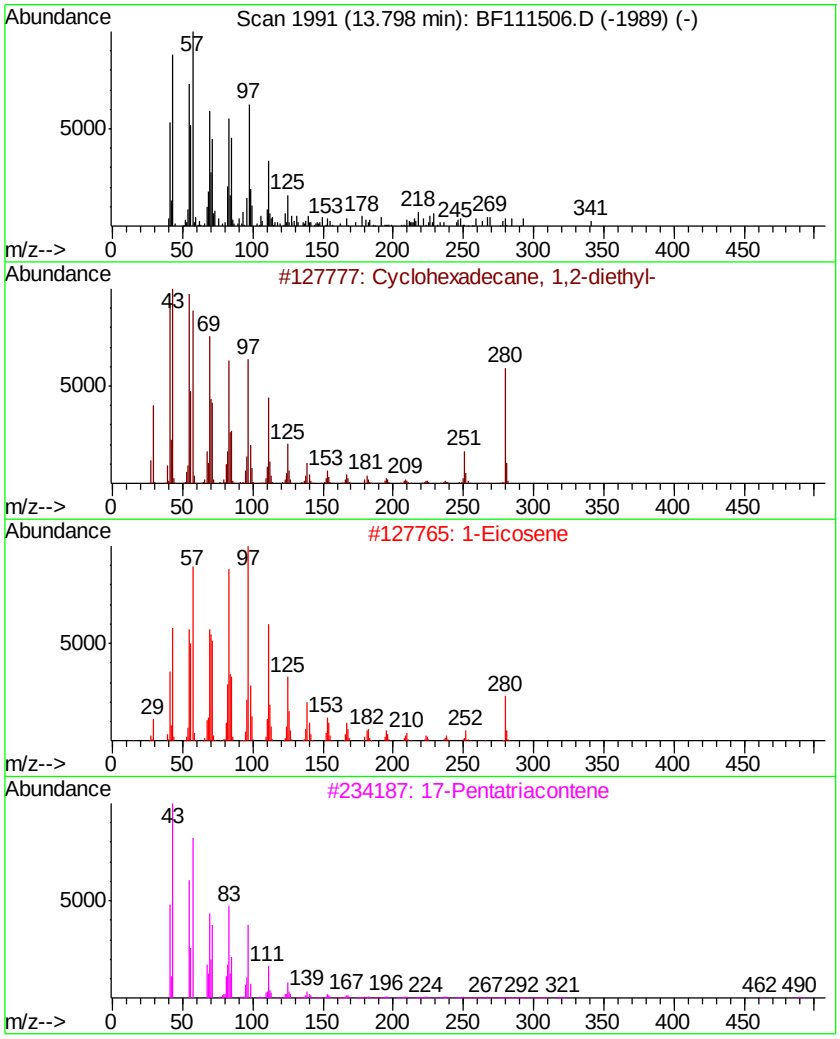
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

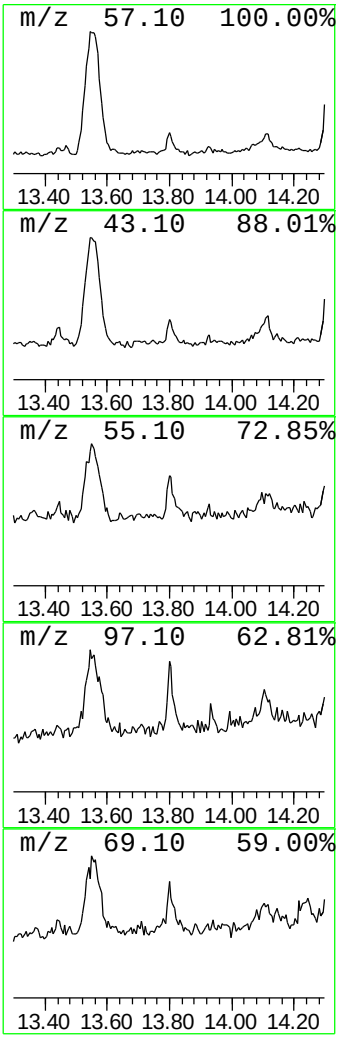
****

Peak Number 10 Cyclohexadecane, 1,2-diethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.80	2.32 ng	183430	Chrysene-d12	13.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexadecane, 1,2-diethyl-	280	C20H40	1000155-85-3	80
2	1-Eicosene	280	C20H40	003452-07-1	74
3	17-Pentatriacontene	491	C35H70	006971-40-0	68
4	Octacosanol	410	C28H58O	000557-61-9	68
5	Docosyl heptafluorobutyrate	522	C26H45F7O2	1000351-83-1	64





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121618\
Data File : BF111506.D
Acq On : 16 Dec 2018 14:07
Operator : JU/SJ
Sample : J6303-03 2X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NR38-C1-110718

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

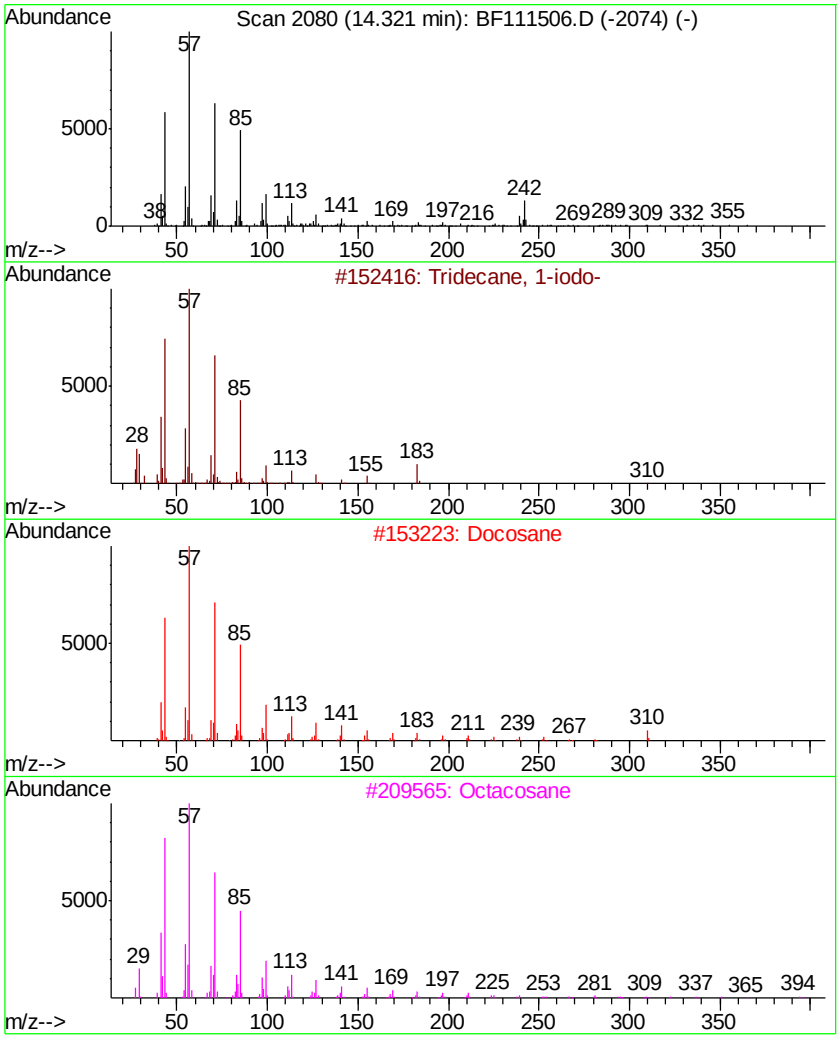
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

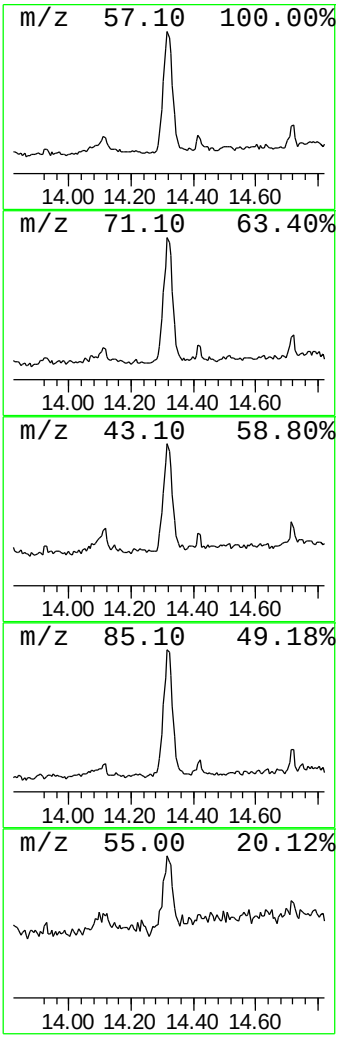
****

Peak Number 11 Tridecane, 1-iodo- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.32	10.92 ng	863288	Chrysene-d12	13.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	91
2	Docosane	310	C22H46	000629-97-0	87
3	Octacosane	394	C28H58	000630-02-4	87
4	Heptacosane	380	C27H56	000593-49-7	87
5	2-methyloctacosane	408	C29H60	1000376-72-8	87





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121618\
Data File : BF111506.D
Acq On : 16 Dec 2018 14:07
Operator : JU/SJ
Sample : J6303-03 2X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NR38-C1-110718

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

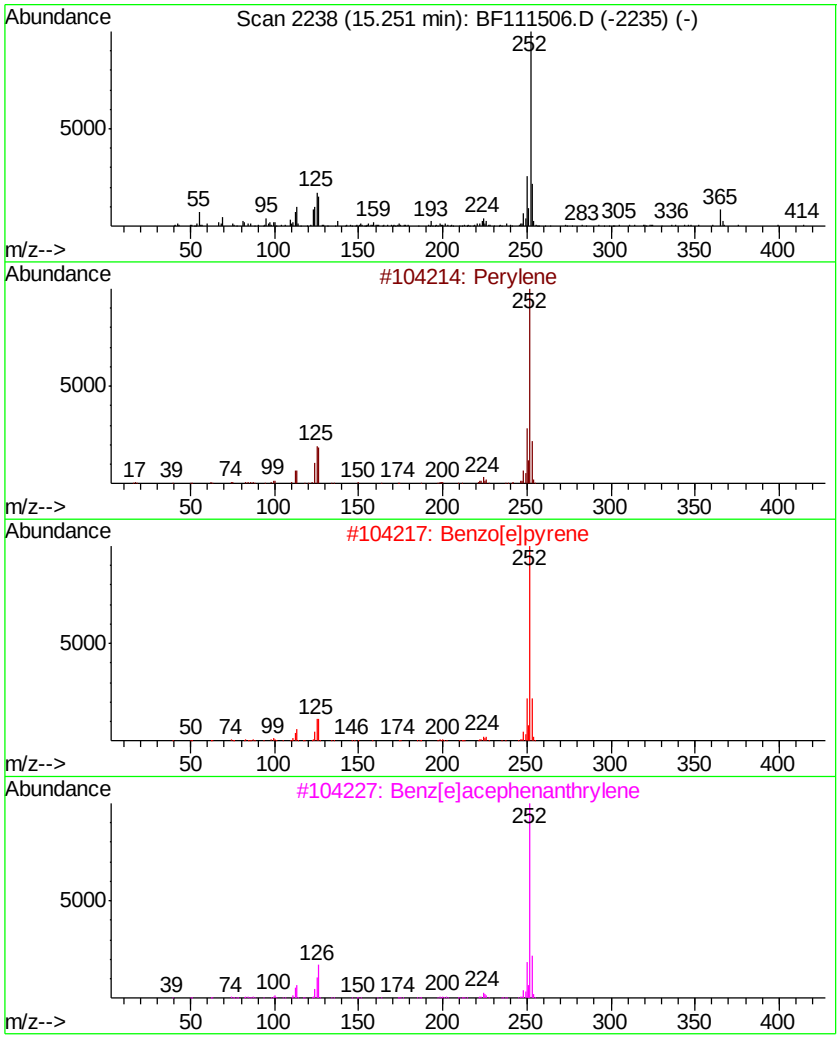
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

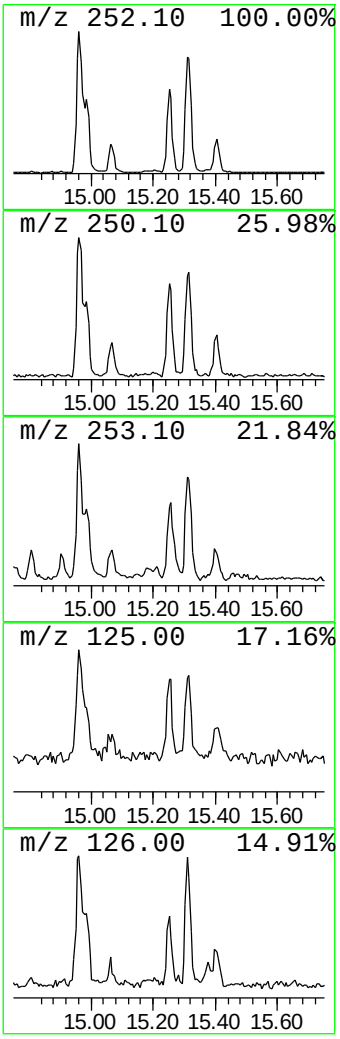
****

Peak Number 12 Perylene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.25	3.53 ng	207713	Perylene-d12	15.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene	252	C20H12	000198-55-0	98
2	Benzo[e]pyrene	252	C20H12	000192-97-2	98
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	98
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	96
5	Benzo[a]pyrene	252	C20H12	000050-32-8	94





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121618\
Data File : BF111506.D
Acq On : 16 Dec 2018 14:07
Operator : JU/SJ
Sample : J6303-03 2X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NR38-C1-110718

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

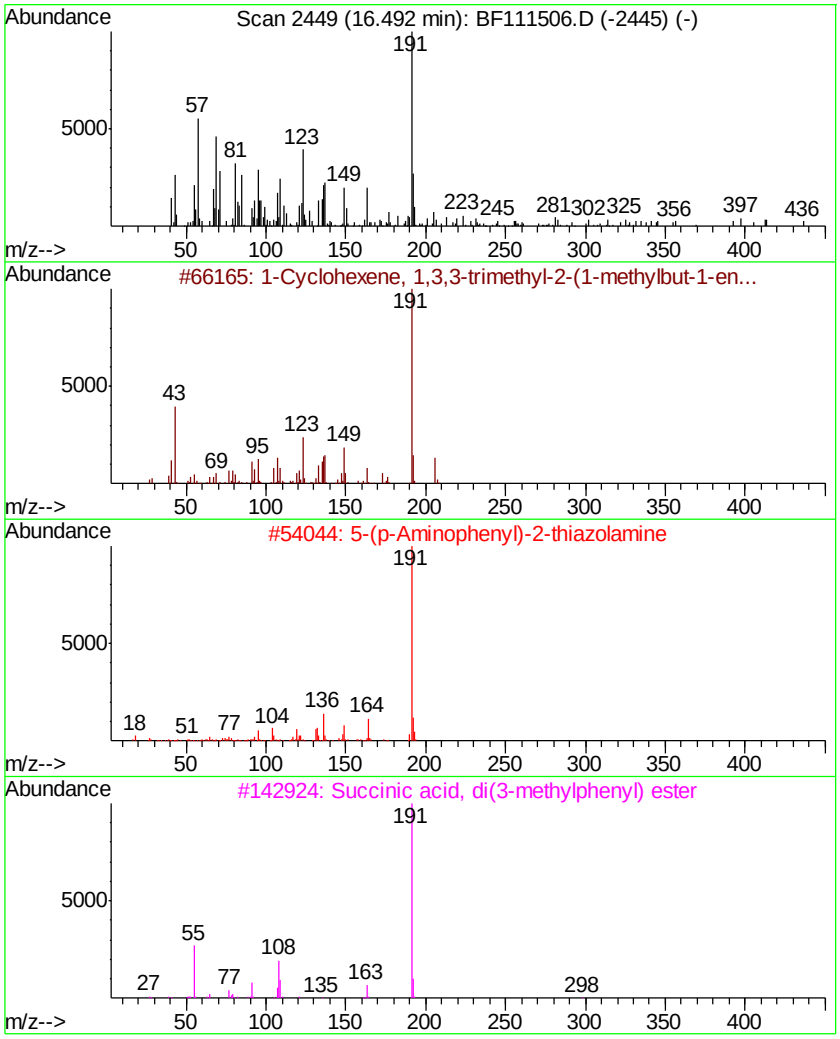
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

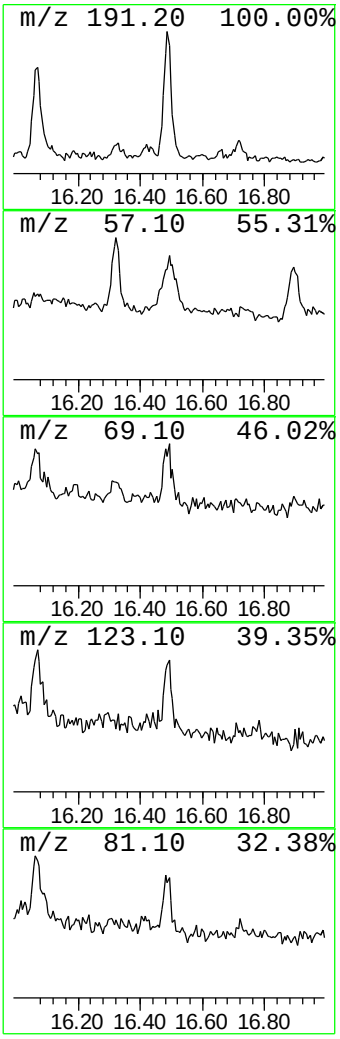
****

Peak Number 13 unknown16.49 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.49	7.57 ng	446054	Perylene-d12	15.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Cyclohexene, 1,3,3-trimethyl-2...	206	C14H22O	1000197-08-4	47
2	5-(p-Aminophenyl)-2-thiazolamine	191	C9H9N3S	090349-87-4	38
3	Succinic acid, di(3-methylphenyl...	298	C18H18O4	1000329-96-8	38
4	Propenoic acid, 3-(3,4-dimethoxy...	344	C19H24N2O4	1000259-51-5	38
5	4-(3H-Imidazo[4,5-b]pyridin-2-yl...	342	C15H18N8S	1000276-08-2	38





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF121618\
Data File : BF111506.D
Acq On : 16 Dec 2018 14:07
Operator : JU/SJ
Sample : J6303-03 2X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NR38-C1-110718

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121418.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
unknown6.56	6.56	26.0	ng	1488320	1	6.79	1145840	20.0
Dodecanoic acid	10.03	3.3	ng	287032	3	9.82	1747160	20.0
Tetradecanoic acid	10.98	3.8	ng	223259	4	11.30	1186620	20.0
Undecanoic acid	11.77	2.1	ng	124626	4	11.30	1186620	20.0
n-Hexadecanoic acid	11.86	126.5	ng	7502400	4	11.30	1186620	20.0
Dodecane, 2-methyl-	12.25	11.9	ng	703507	4	11.30	1186620	20.0
Octadecanoic acid	12.63	70.2	ng	5550960	5	13.94	1581450	20.0
Pentacosane	13.55	16.0	ng	1264860	5	13.94	1581450	20.0
Cyclohexadecane, ...	13.80	2.3	ng	183430	5	13.94	1581450	20.0
Tridecane, 1-iodo-	14.32	10.9	ng	863288	5	13.94	1581450	20.0
Perylene	15.25	3.5	ng	207713	6	15.37	1178040	20.0
unknown16.49	16.49	7.6	ng	446054	6	15.37	1178040	20.0