LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120617\
Data File : BF101172.D
Acq On : 6 Dec 2017 17:18
Operator : SJ/JU
Sample : I6683-03 10X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EO-01-120517-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:\HPCHEM1\BNA_F\METHODS\8270-BF113017.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	5.457	570	573	585	rBV	84674	89735	3.43%	1.120%
2	6.475	743	746	753	rBV	85794	84776	3.24%	1.058%
3	6.616	767	770	776	rBV	120111	102187	3.91%	1.275%
4	6.845	806	809	813	rBV	331587	259818	9.93%	3.243%
5	6.998	832	835	842	rVB	96667	81463	3.11%	1.017%
6	7.410	902	905	907	rBV	58710	54069	2.07%	0.675%
7	8.128	1024	1027	1033	rVB	406849	331529	12.67%	4.138%
8	9.198	1206	1209	1214	rBV	143298	119231	4.56%	1.488%
9	9.275	1218	1222	1225	rBV	36688	29083	1.11%	0.363%
10	9.592	1273	1276	1284	rVB4	19586	32304	1.23%	0.403%
11	9.804	1305	1312	1317	rBV	41650	38312	1.46%	0.478%
12	9.886	1322	1326	1329	rVV	414460	347760	13.29%	4.341%
13	10.304	1391	1397	1400	rBV2	44811	41492	1.59%	0.518%
14	10.675	1457	1460	1464	rBV	55442	47364	1.81%	0.591%
15	10.775	1475	1477	1488	rBV	39705	47239	1.81%	0.590%
16	11.375	1575	1579	1581	rBV	381053	319138	12.20%	3.983%
17	11.398	1581	1583	1589	rVB	69938	57937	2.21%	0.723%
18	11.757	1640	1644	1647	rBV	843282	640143	24.46%	7.990%
19	12.451	1754	1762	1764	rBV	2341595	2616683	100.00%	32.660%
20	12.469	1764	1765	1770	rVB2	1743483	1182456	45.19%	14.759%
21	12.545	1775	1778	1782	rVB	270804	238425	9.11%	2.976%
22	12.592	1782	1786	1789	rBV	72948	73765	2.82%	0.921%
23	12.822	1822	1825	1831	rVB	112983	105003	4.01%	1.311%
24	12.957	1844	1848	1851	rBV	109885	86560	3.31%	1.080%
25	13.033	1856	1861	1869	rBV5	14025	35178	1.34%	0.439%
26	13.145	1872	1880	1883	rBV4	18628	33128	1.27%	0.413%
27	14.021	2024	2029	2031	rBV2	303146	322323	12.32%	4.023%
28	14.045	2031	2033	2036	rVB	44377	35161	1.34%	0.439%
29	14.404	2090	2094	2098	rBV2	21759	30070	1.15%	0.375%
30	14.898	2173	2178	2182	rVB	27636	40241	1.54%	0.502%
31	15.063	2203	2206	2209	rBV	35311	50469	1.93%	0.630%
32	15.368	2255	2258	2262	rVB	28678	35228	1.35%	0.440%
33	15.433	2265	2269	2275	rBV	45956	53764	2.05%	0.671%
34	15.498	2275	2280	2284	rBV	216579	287422	10.98%	3.587%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120617\
Data File : BF101172.D
Acq On : 6 Dec 2017 17:18
Operator : SJ/JU
Sample : I6683-03 10X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EO-01-120517-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:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	16.604	2465	2468	2478	rVB10	12538	27619	1.06%	0.345%
36	17.427	2604	2608	2615	rVB2	17362	34844	1.33%	0.435%

Sum of corrected areas: 8011919

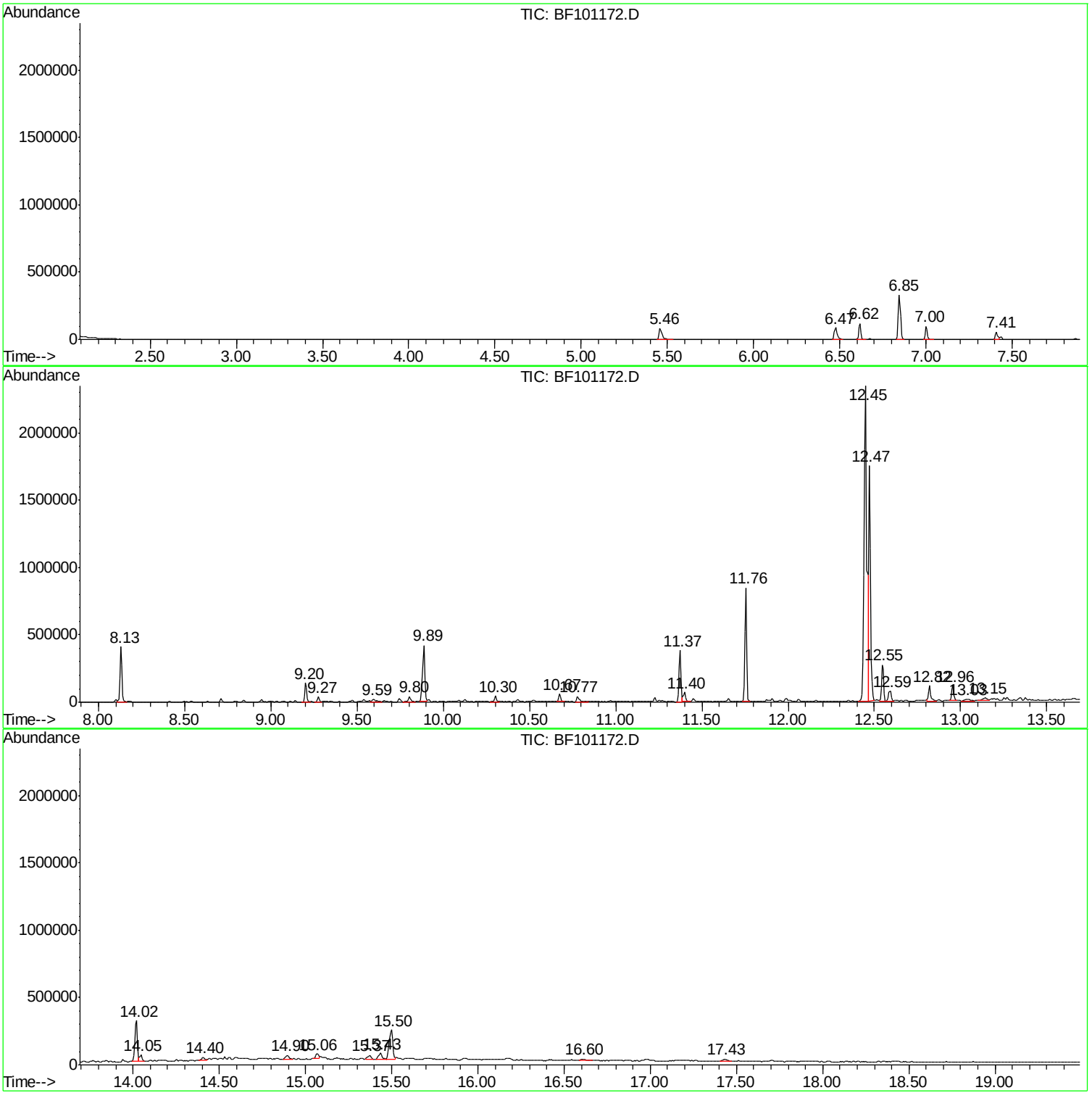
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120617\
Data File : BF101172.D
Acq On : 6 Dec 2017 17:18
Operator : SJ/JU
Sample : I6683-03 10X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EO-01-120517-B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA F\DATA\BF120617\
Data File : BF101172.D
Acq On : 6 Dec 2017 17:18
Operator : SJ/JU
Sample : I6683-03 10X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EO-01-120517-B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

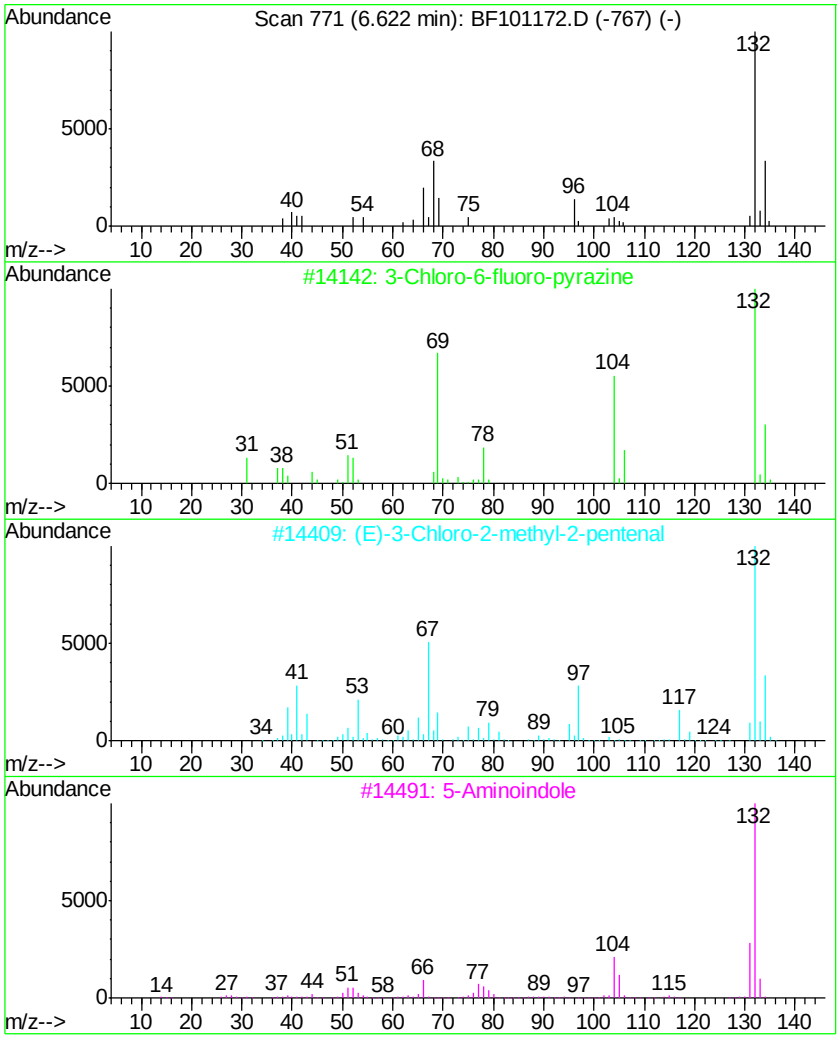
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

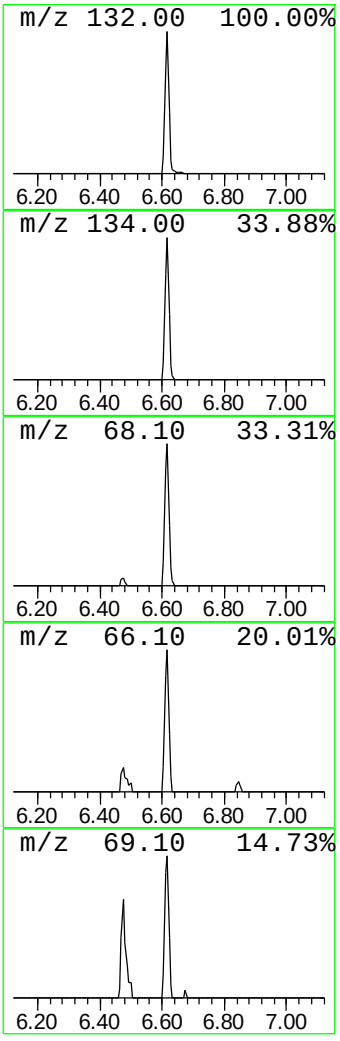
****

Peak Number 1 unknown6.62 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.62	7.87 ng	102187	1,4-Dichlorobenzene-d4	6.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	25
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3	5-Aminoindole	132	C8H8N2	005192-03-0	12
4	4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9
5	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF120617\
Data File : BF101172.D
Acq On : 6 Dec 2017 17:18
Operator : SJ/JU
Sample : I6683-03 10X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EO-01-120517-B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

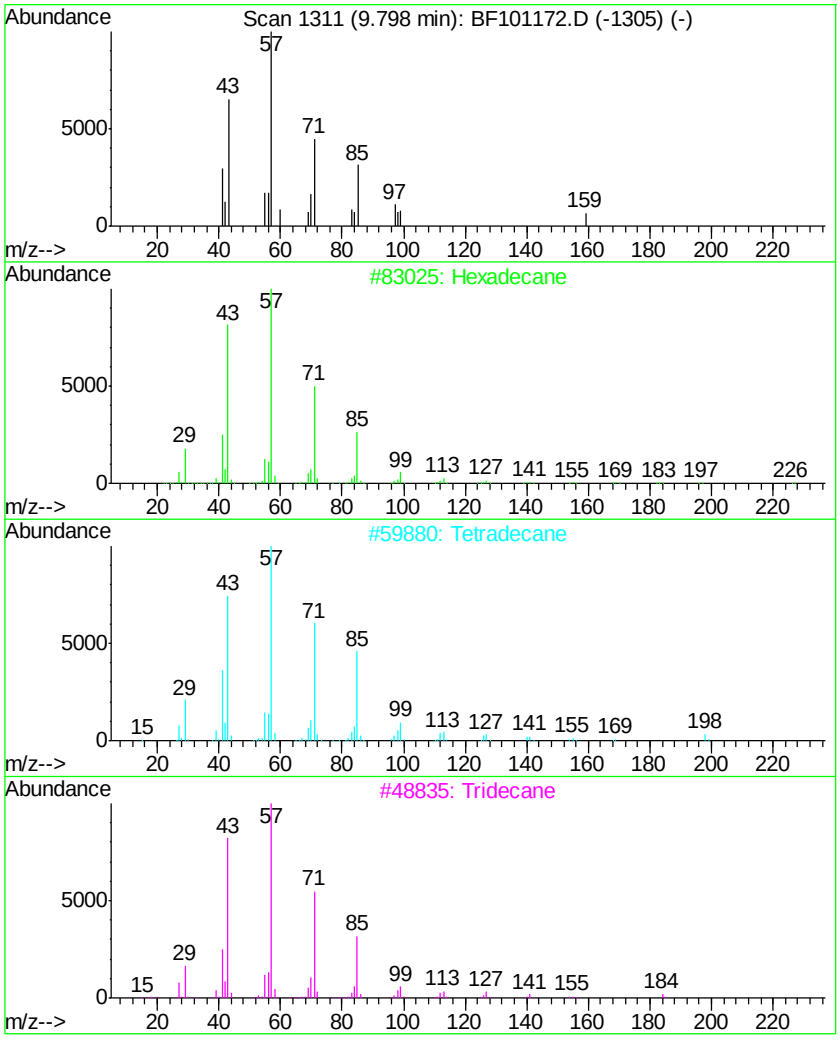
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

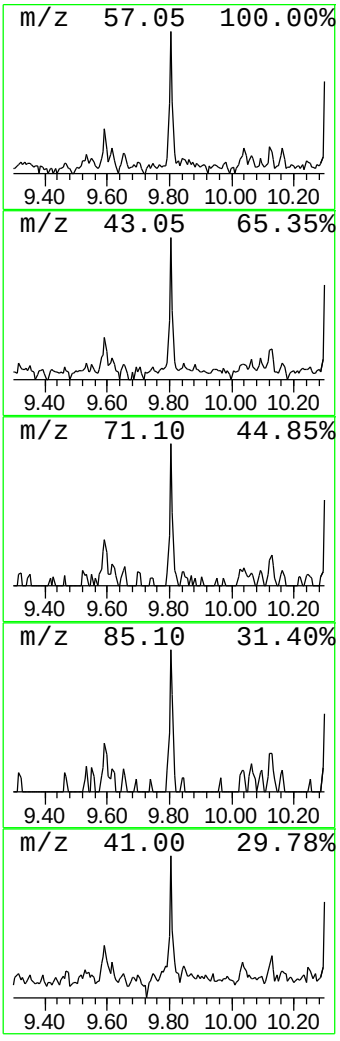
****

Peak Number 3 Hexadecane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.80	2.20 ng	38312	Acenaphthene-d10	9.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	86
2	Tetradecane	198	C14H30	000629-59-4	86
3	Tridecane	184	C13H28	000629-50-5	78
4	Decane, 2-methyl-	156	C11H24	006975-98-0	64
5	Pentadecane	212	C15H32	000629-62-9	59





Data Path : Z:\HPCHEM1\BNA F\DATA\BF120617\
Data File : BF101172.D
Acq On : 6 Dec 2017 17:18
Operator : SJ/JU
Sample : I6683-03 10X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EO-01-120517-B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

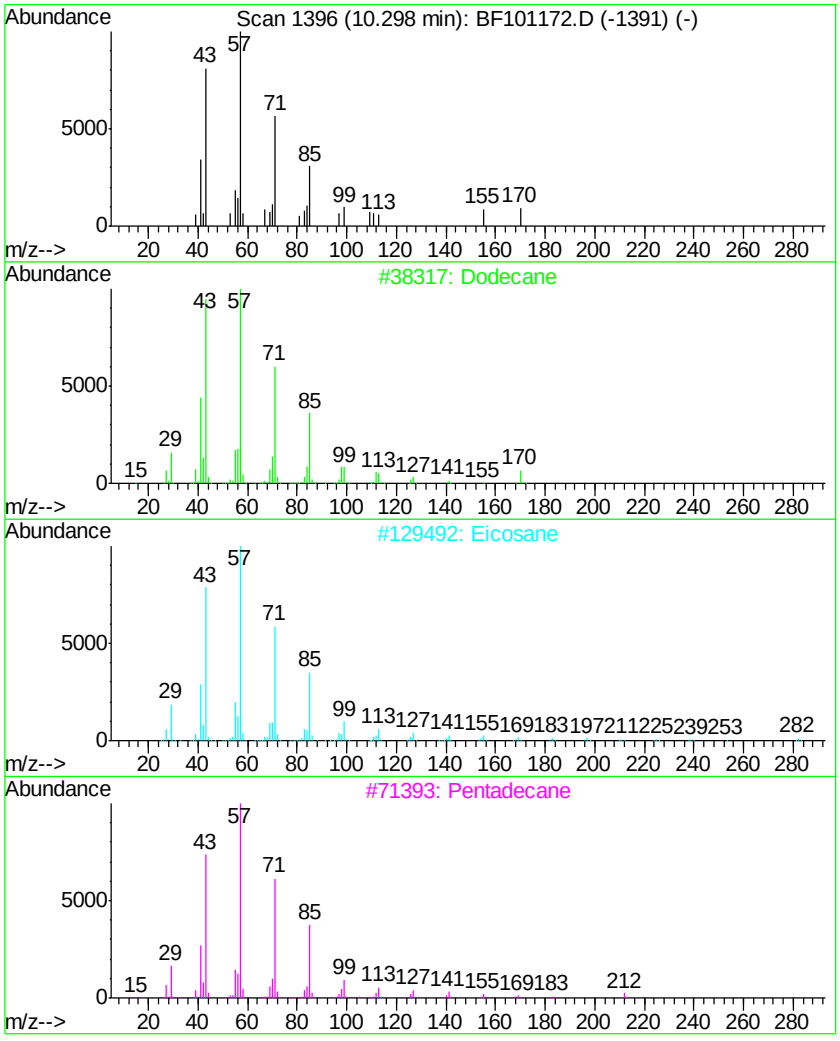
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

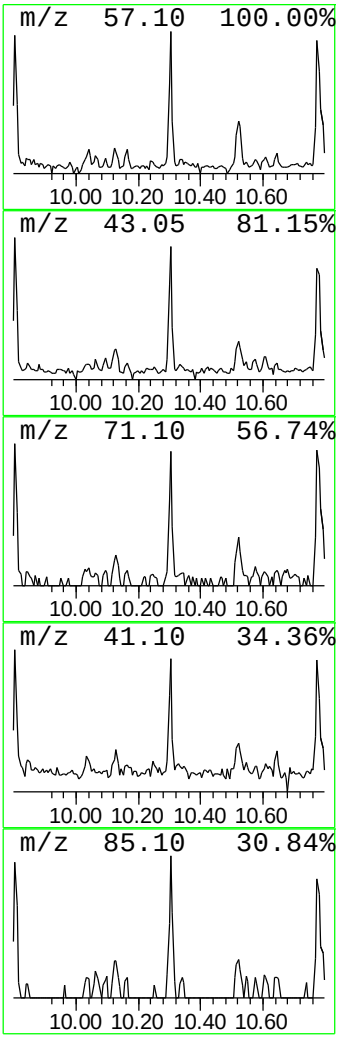
****

Peak Number 4 Dodecane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.30	2.39 ng	41492	Acenaphthene-d10	9.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane	170	C12H26	000112-40-3	90
2	Eicosane	282	C20H42	000112-95-8	86
3	Pentadecane	212	C15H32	000629-62-9	80
4	Tetracosane	338	C24H50	000646-31-1	80
5	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	78





Data Path : Z:\HPCHEM1\BNA F\DATA\BF120617\
Data File : BF101172.D
Acq On : 6 Dec 2017 17:18
Operator : SJ/JU
Sample : I6683-03 10X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EO-01-120517-B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

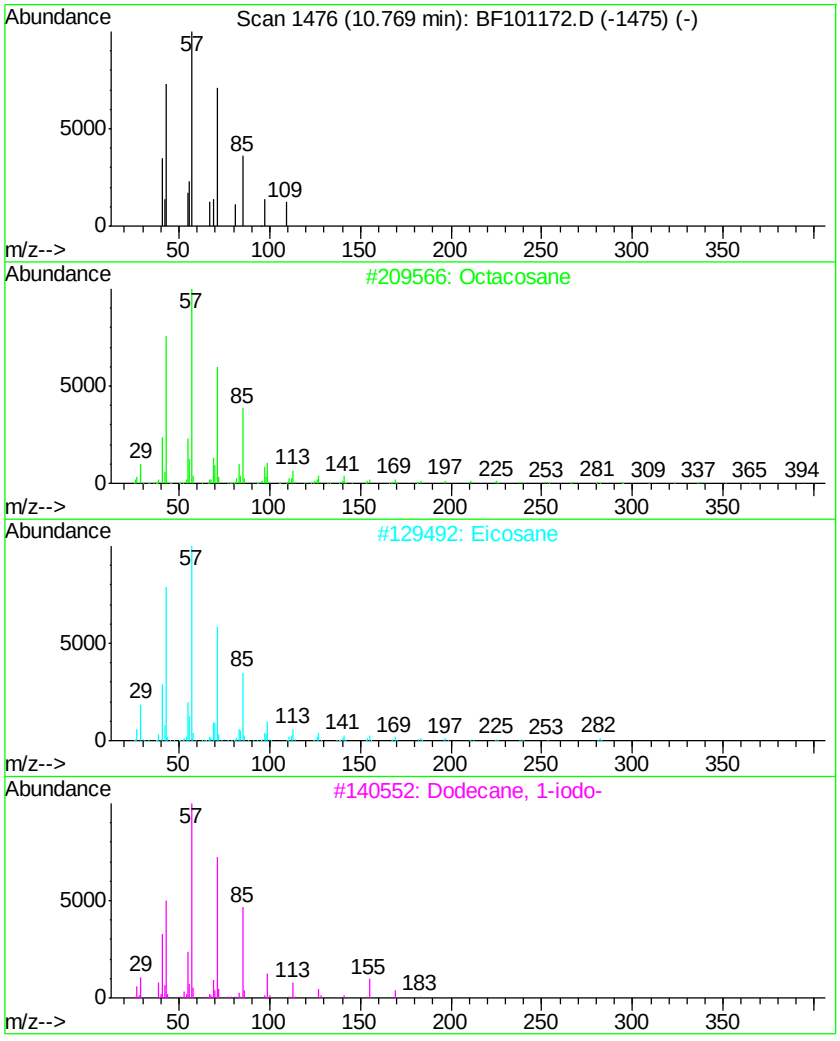
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

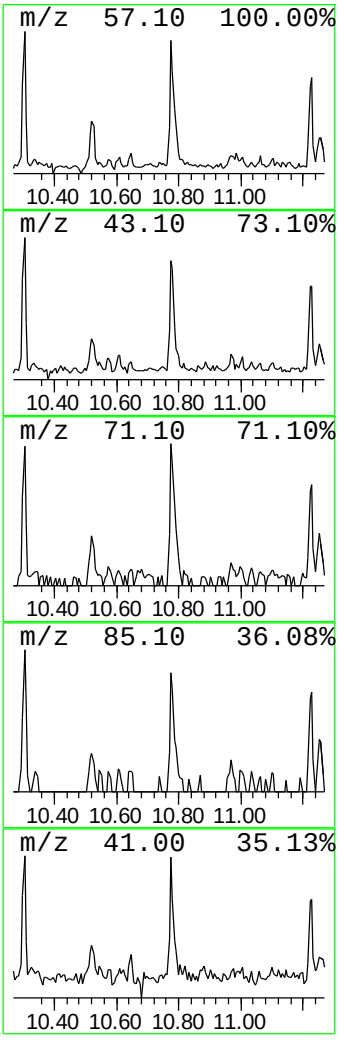
****

Peak Number 5 Octacosane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.77	2.96 ng	47239	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octacosane	394	C28H58	000630-02-4	83
2	Eicosane	282	C20H42	000112-95-8	72
3	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	72
4	Tridecane	184	C13H28	000629-50-5	72
5	Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	64





Data Path : Z:\HPCHEM1\BNA F\DATA\BF120617\
Data File : BF101172.D
Acq On : 6 Dec 2017 17:18
Operator : SJ/JU
Sample : I6683-03 10X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EO-01-120517-B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

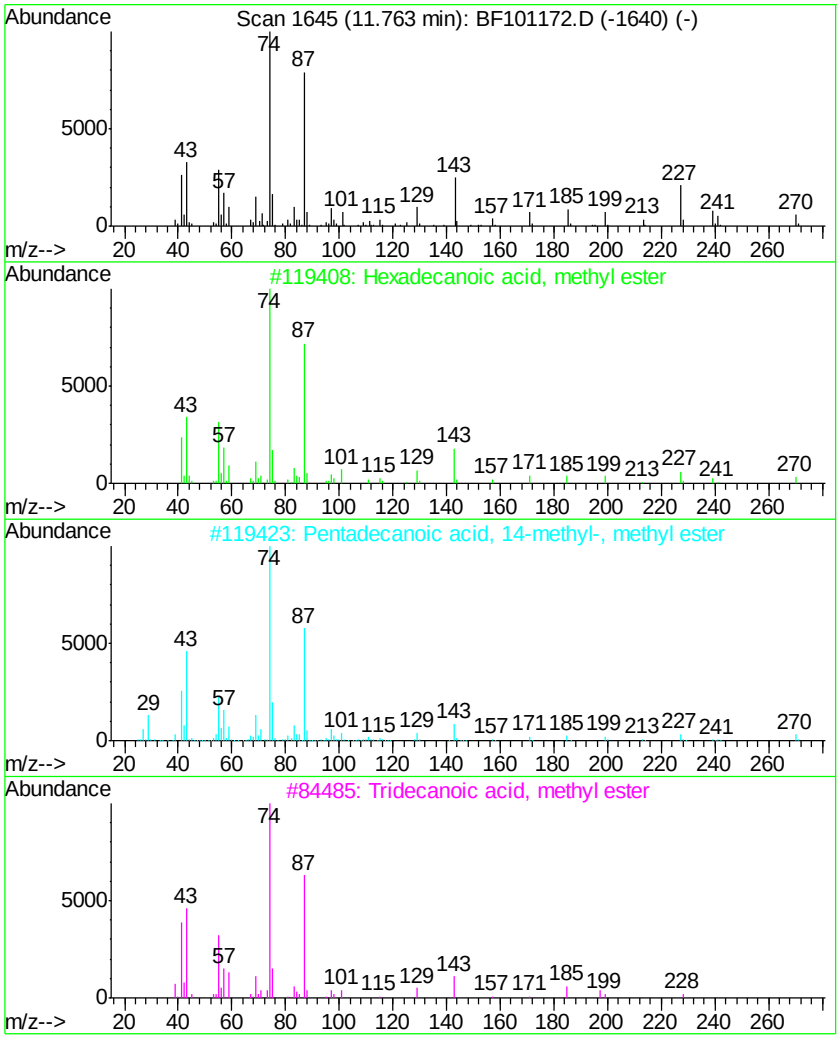
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

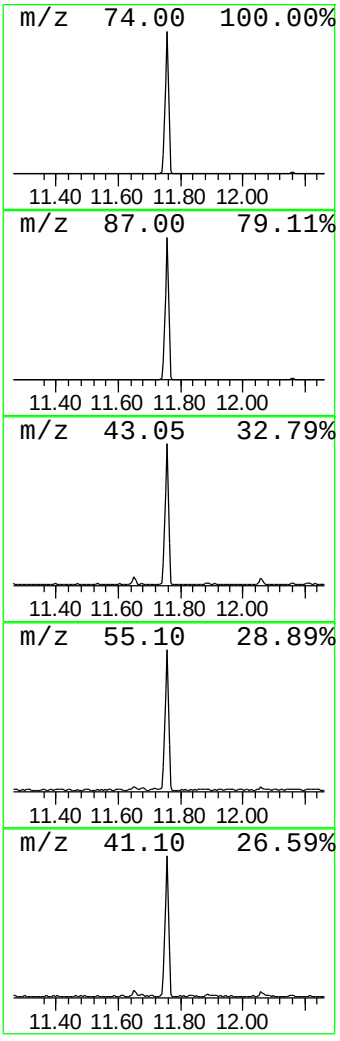
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.76	40.12 ng	640143	Phenanthrene-d10	11.37

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	92
3	Tridecanoic acid, methyl ester	228	C14H28O2	001731-88-0	90
4	Decanoic acid, methyl ester	186	C11H22O2	000110-42-9	87
5	Hexadecanoic acid, 15-methyl-, m...	284	C18H36O2	006929-04-0	83





Data Path : Z:\HPCHEM1\BNA F\DATA\BF120617\
Data File : BF101172.D
Acq On : 6 Dec 2017 17:18
Operator : SJ/JU
Sample : I6683-03 10X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EO-01-120517-B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

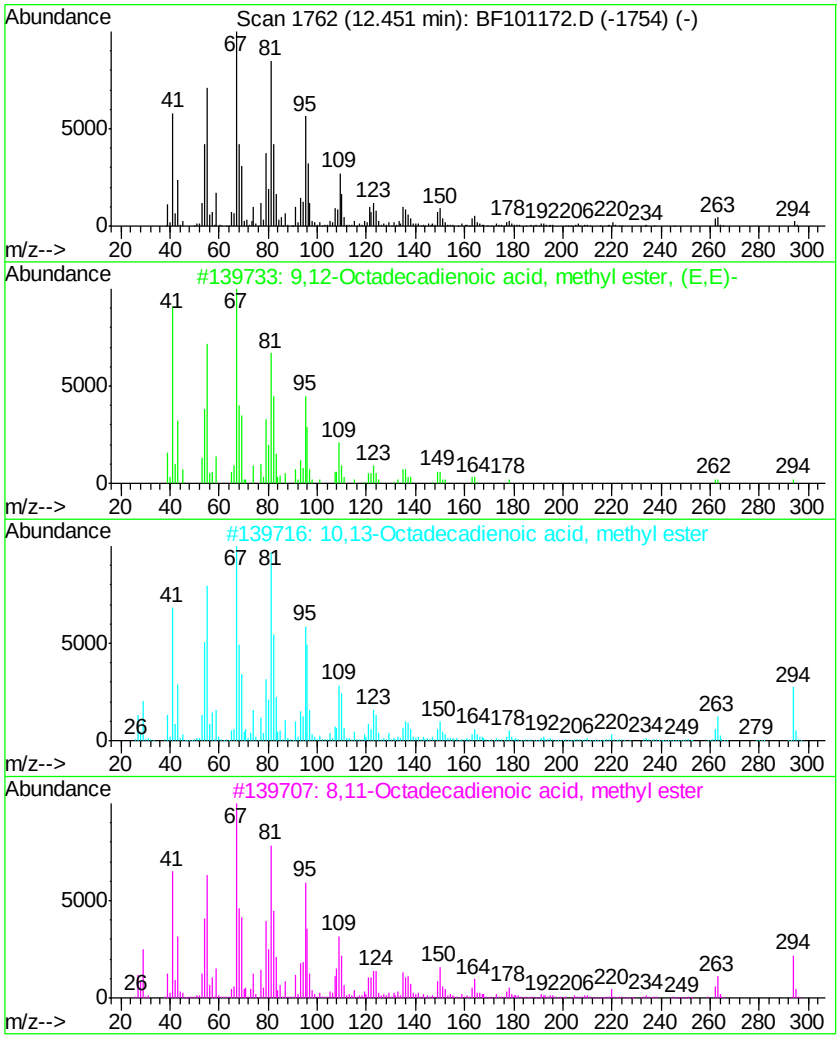
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

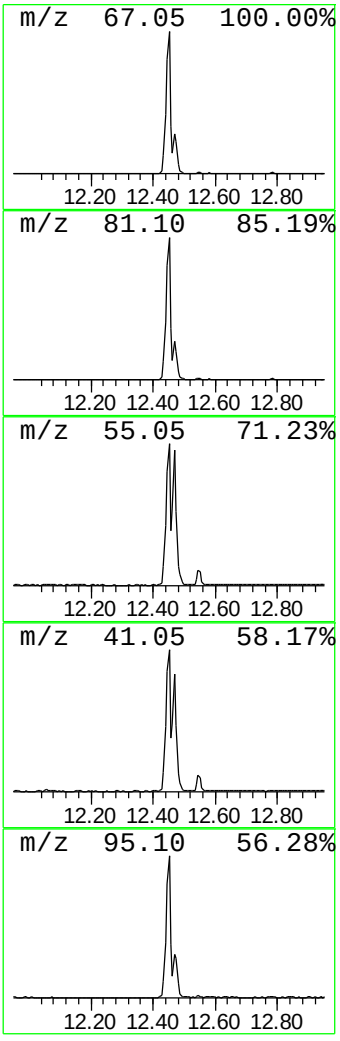
****

Peak Number 7 9,12-Octadecadienoic acid, ... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.45	163.98 ng	2616680	Phenanthrene-d10	11.37

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	8,11-Octadecadienoic acid, methy...	294	C19H34O2	056599-58-7	99
4	9,15-Octadecadienoic acid, methy...	294	C19H34O2	017309-05-6	99
5	9,12-Octadecadienoic acid (Z,Z)-...	294	C19H34O2	000112-63-0	99





Data Path : Z:\HPCHEM1\BNA F\DATA\BF120617\
Data File : BF101172.D
Acq On : 6 Dec 2017 17:18
Operator : SJ/JU
Sample : I6683-03 10X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EO-01-120517-B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

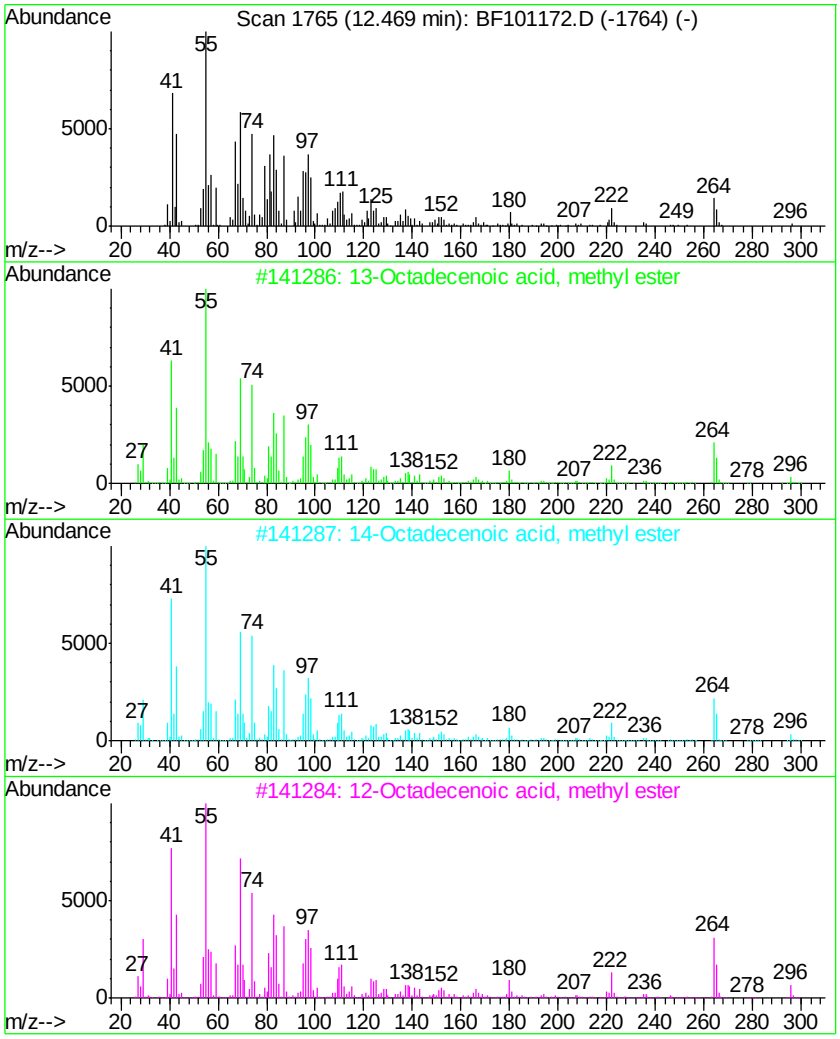
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

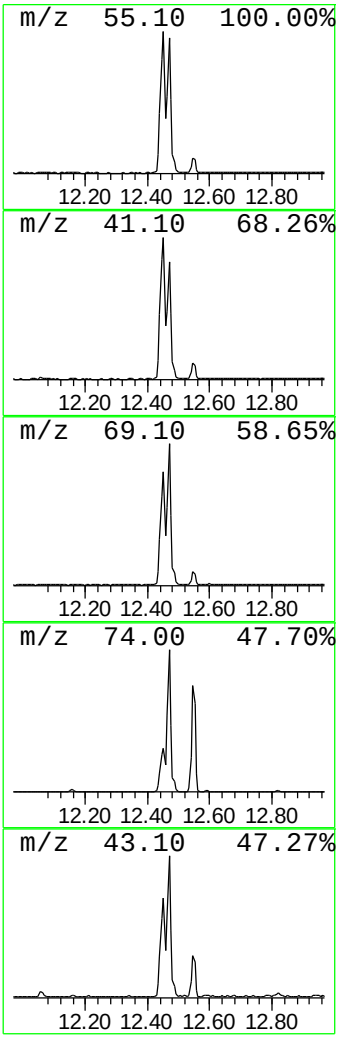
****

Peak Number 8 13-Octadecenoic acid, methy... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.47	74.10 ng	1182460	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	13-Octadecenoic acid, methyl ester	296	C19H36O2	056554-47-3	99
2	14-Octadecenoic acid, methyl ester	296	C19H36O2	056554-48-4	99
3	12-Octadecenoic acid, methyl ester	296	C19H36O2	056554-46-2	96
4	15-Octadecenoic acid, methyl ester	296	C19H36O2	004764-72-1	94
5	trans-13-Octadecenoic acid, meth...	296	C19H36O2	1000333-61-3	94





Data Path : Z:\HPCHEM1\BNA F\DATA\BF120617\
Data File : BF101172.D
Acq On : 6 Dec 2017 17:18
Operator : SJ/JU
Sample : I6683-03 10X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EO-01-120517-B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

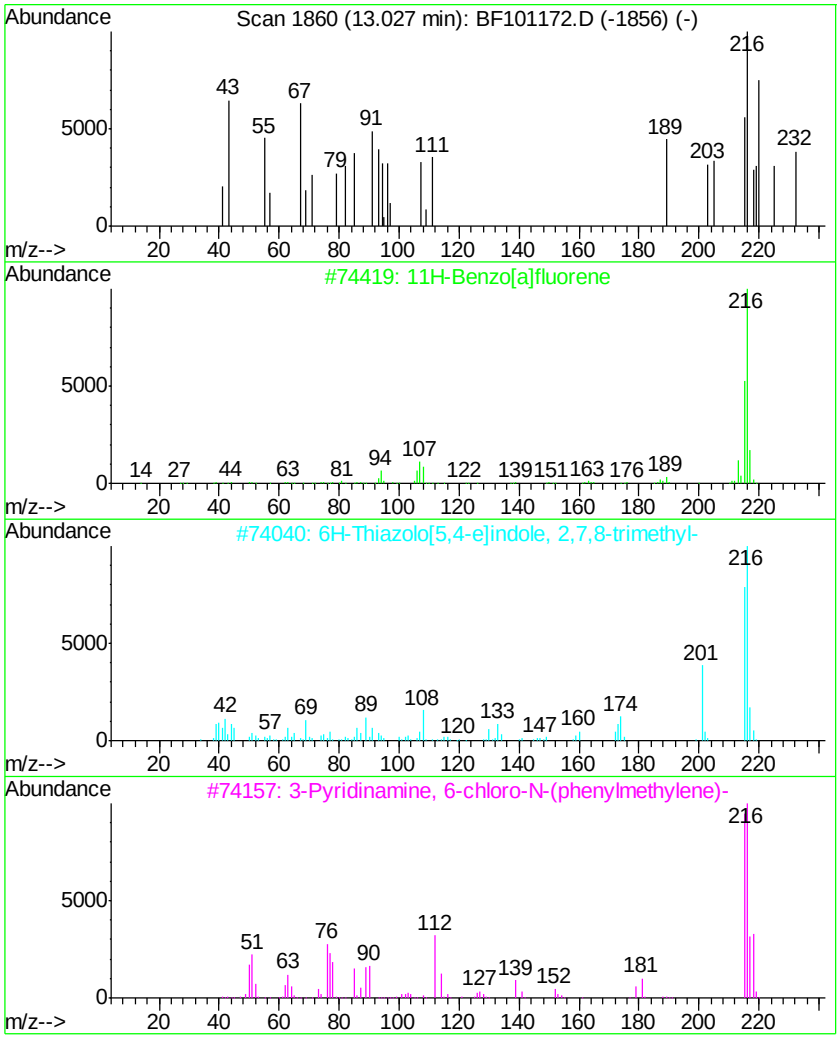
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

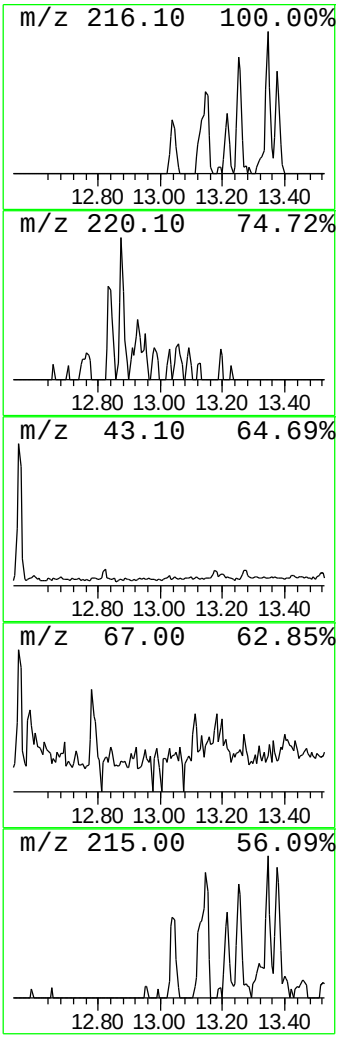
****

Peak Number 9 unknown13.03 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.03	2.18 ng	35178	Chrysene-d12	14.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	49
2	6H-Thiazolo[5,4-e]indole, 2,7,8-...	216	C12H12N2S	1000338-32-0	47
3	3-Pyridinamine, 6-chloro-N-(phen...	216	C12H9ClN2	005325-71-3	47
4	2H-Benzimidazol-2-one, 6,7-dichl...	216	C8H6Cl2N2O	077572-79-3	32
5	3,4-Dichlorocinnamic acid	216	C9H6Cl2O2	001202-39-7	25





Data Path : Z:\HPCHEM1\BNA F\DATA\BF120617\
Data File : BF101172.D
Acq On : 6 Dec 2017 17:18
Operator : SJ/JU
Sample : I6683-03 10X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EO-01-120517-B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

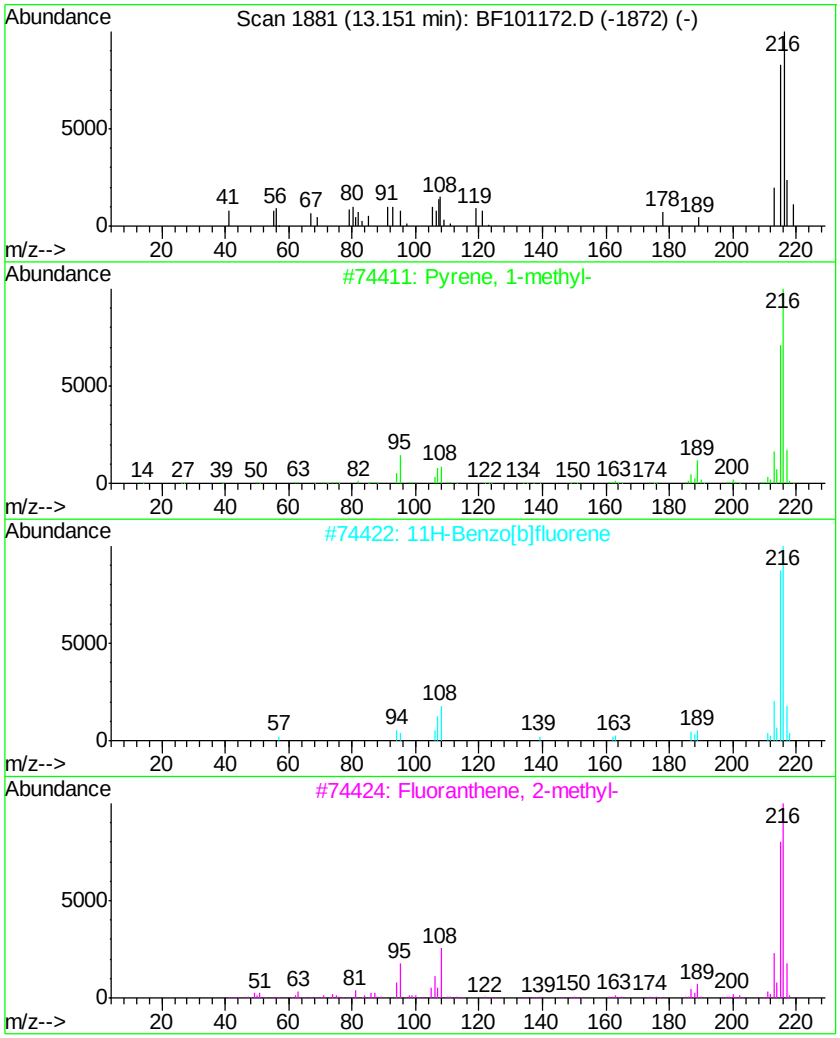
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

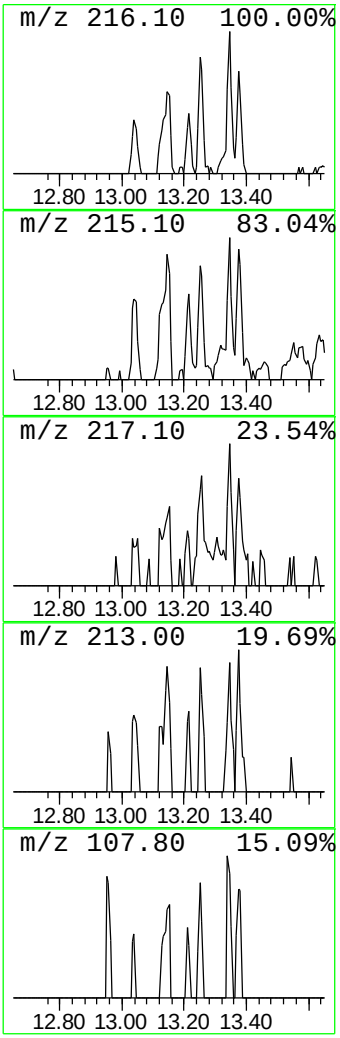
****

Peak Number 10 Pyrene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.15	2.06 ng	33128	Chrysene-d12	14.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	74
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	70
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	62
4	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	58
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	58





Data Path : Z:\HPCHEM1\BNA F\DATA\BF120617\
Data File : BF101172.D
Acq On : 6 Dec 2017 17:18
Operator : SJ/JU
Sample : I6683-03 10X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EO-01-120517-B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

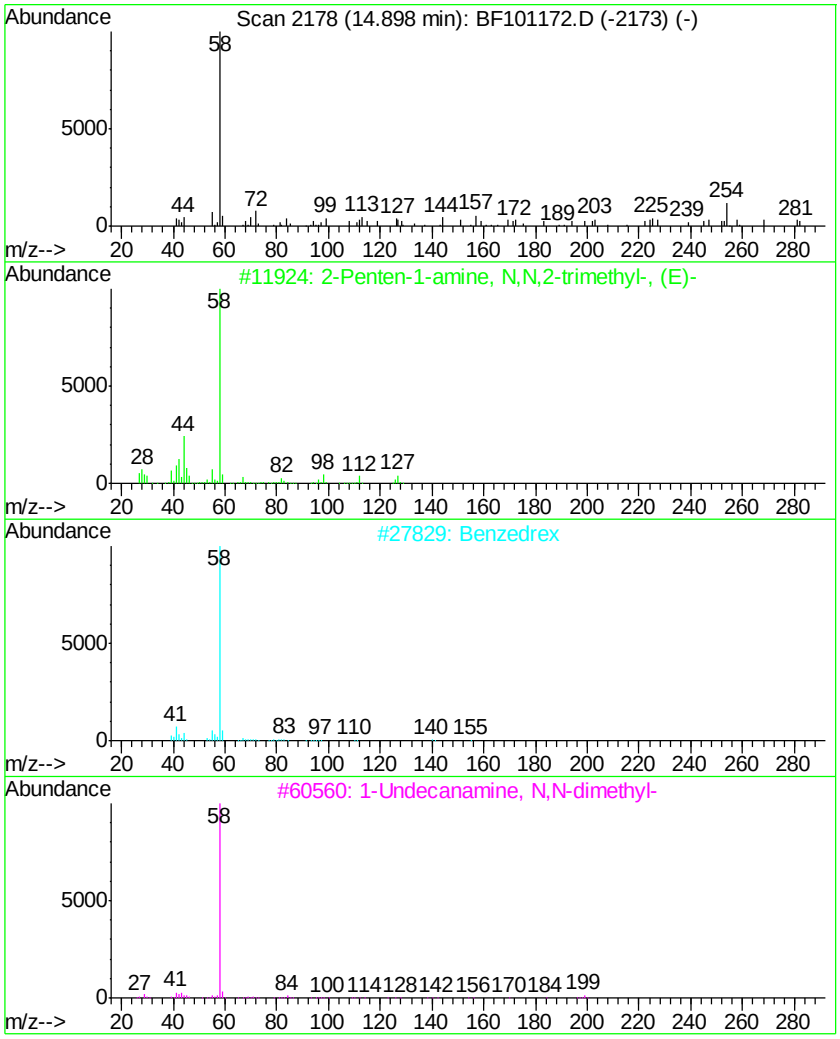
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

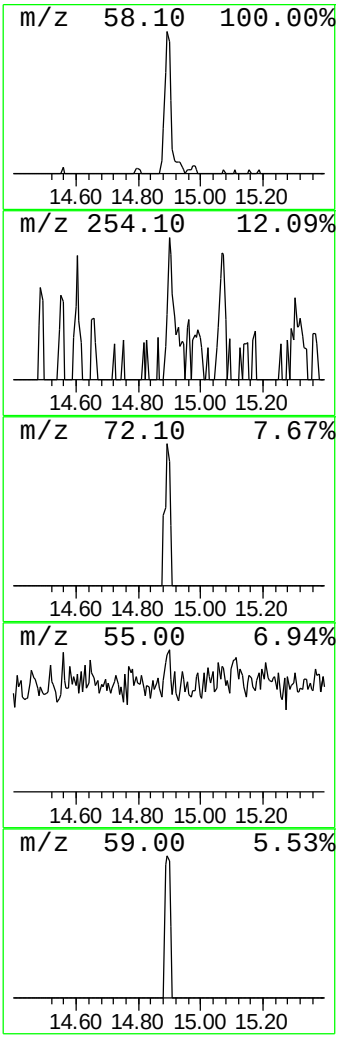
****

Peak Number 11 2-Penten-1-amine, N,N,2-tri... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.90	2.80 ng	40241	Perylene-d12	15.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Penten-1-amine, N,N,2-trimethy...	127	C8H17N	055630-70-1	58
2	Benzedrex	155	C10H21N	000101-40-6	53
3	1-Undecanamine, N,N-dimethyl-	199	C13H29N	017373-28-3	53
4	N,N-Dimethyl-3-butoxypropylamine	159	C9H21NO	071126-65-3	53
5	1-Hexanamine, 2-ethyl-N,N-dimethyl-	157	C10H23N	028056-87-3	53





Data Path : Z:\HPCHEM1\BNA F\DATA\BF120617\
Data File : BF101172.D
Acq On : 6 Dec 2017 17:18
Operator : SJ/JU
Sample : I6683-03 10X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EO-01-120517-B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

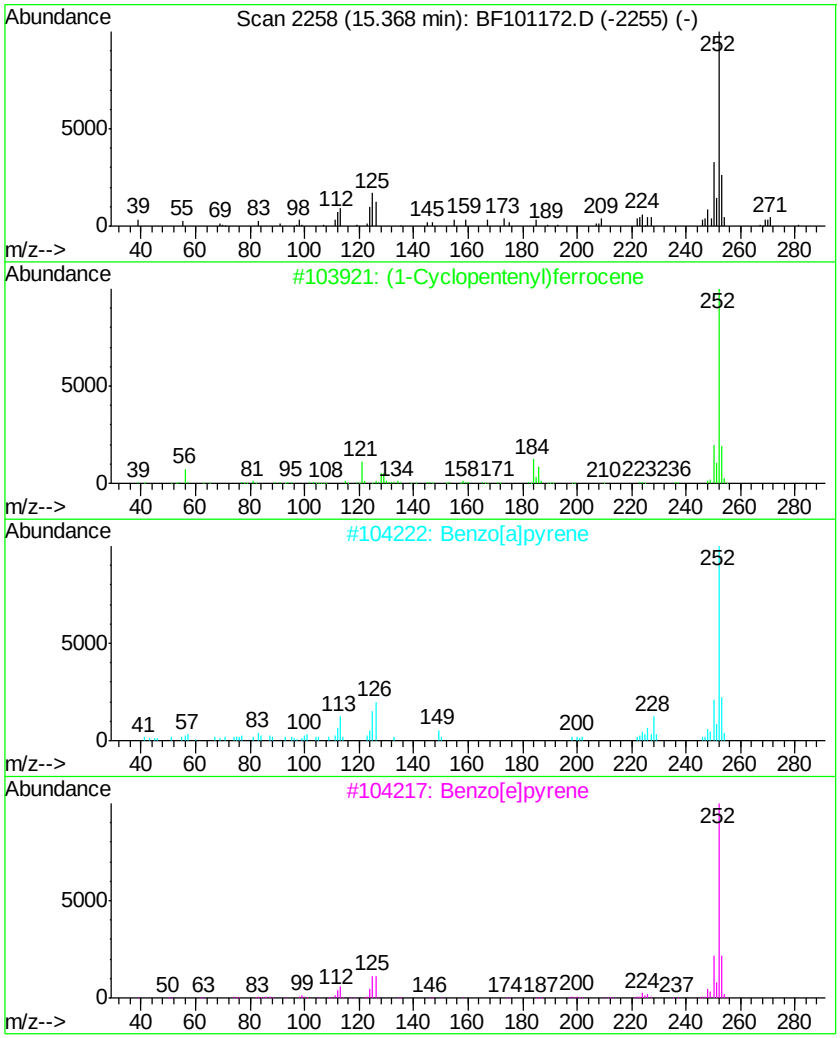
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

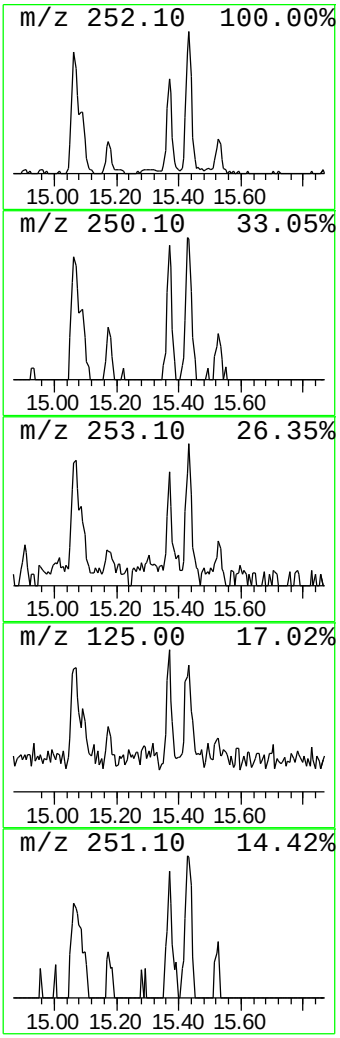
****

Peak Number 12 (1-Cyclopentenyl)ferrocene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.37	2.45 ng	35228	Perylene-d12	15.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(1-Cyclopentenyl)ferrocene	252	C15H16Fe	012260-67-2	86
2	Benzo[a]pyrene	252	C20H12	000050-32-8	81
3	Benzo[e]pyrene	252	C20H12	000192-97-2	81
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	76
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	76





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120617\
Data File : BF101172.D
Acq On : 6 Dec 2017 17:18
Operator : SJ/JU
Sample : I6683-03 10X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EO-01-120517-B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.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
unknown6.62	6.62	7.9	ng	102187	1	6.85	259818	20.0
Hexadecane	9.80	2.2	ng	38312	3	9.89	347760	20.0
Dodecane	10.30	2.4	ng	41492	3	9.89	347760	20.0
Octacosane	10.77	3.0	ng	47239	4	11.37	319138	20.0
Hexadecanoic acid...	11.76	40.1	ng	640143	4	11.37	319138	20.0
9,12-Octadecadien...	12.45	164.0	ng	2616680	4	11.37	319138	20.0
13-Octadecenoic a...	12.47	74.1	ng	1182460	4	11.37	319138	20.0
unknown13.03	13.03	2.2	ng	35178	5	14.02	322323	20.0
Pyrene, 1-methyl-	13.15	2.1	ng	33128	5	14.02	322323	20.0
2-Penten-1-amine,...	14.90	2.8	ng	40241	6	15.50	287422	20.0
(1-Cyclopentenyl)...	15.37	2.5	ng	35228	6	15.50	287422	20.0