LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071218\
Data File : BF107349.D
Acq On : 12 Jul 2018 19:47
Operator : JU/SJ
Sample : J3924-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RO-1-4

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-BF061918.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	5.172	478	482	497	rBV	161633	264269	16.40%	1.615%
2	5.578	547	551	571	rBV	1418484	1533796	95.19%	9.372%
3	6.584	717	722	737	rBV	1336721	1611287	100.00%	9.845%
4	6.707	739	743	747	rVV	1423520	1498039	92.97%	9.153%
5	6.760	750	752	763	rVB	15182	20033	1.24%	0.122%
6	6.931	777	781	787	rBV	428314	365976	22.71%	2.236%
7	7.083	803	807	811	rBV	1214682	1218045	75.59%	7.443%
8	7.501	873	878	881	rBV	925756	977760	60.68%	5.974%
9	8.213	995	999	1016	rBV	473993	439448	27.27%	2.685%
10	9.289	1177	1182	1185	rBV	1635577	1604604	99.59%	9.804%
11	9.683	1245	1249	1261	rVB	353665	303598	18.84%	1.855%
12	9.977	1295	1299	1303	rBV	496992	425958	26.44%	2.603%
13	10.777	1431	1435	1445	rBV	963717	919048	57.04%	5.616%
14	11.477	1550	1554	1556	rBV	446537	419680	26.05%	2.564%
15	11.501	1556	1558	1562	rVB	85840	70527	4.38%	0.431%
16	12.007	1642	1644	1648	rVB2	18411	19055	1.18%	0.116%
17	12.095	1655	1659	1661	rBV3	22909	28352	1.76%	0.173%
18	12.530	1729	1733	1735	rBV2	35952	29439	1.83%	0.180%
19	12.630	1744	1750	1755	rVB3	15682	19332	1.20%	0.118%
20	12.695	1758	1761	1764	rBV	232294	209853	13.02%	1.282%
21	12.907	1794	1797	1798	rVV	68183	57303	3.56%	0.350%
22	12.930	1798	1801	1806	rVV	251424	220409	13.68%	1.347%
23	12.977	1806	1809	1813	rVB2	14728	16945	1.05%	0.104%
24	13.060	1819	1823	1827	rBV	1505374	1526521	94.74%	9.327%
25	13.195	1843	1846	1849	rBV2	20255	18742	1.16%	0.115%
26	13.260	1854	1857	1861	rVB	82051	76699	4.76%	0.469%
27	13.460	1888	1891	1893	rBV2	18859	16337	1.01%	0.100%
28	13.607	1912	1916	1918	rBV	74050	64961	4.03%	0.397%
29	13.777	1942	1945	1947	rBV	24228	22121	1.37%	0.135%
30	13.883	1961	1963	1965	rBV	22978	16377	1.02%	0.100%
31	13.936	1969	1972	1978	rVV3	149869	202429	12.56%	1.237%
32	13.989	1978	1981	1983	rVB	26798	26624	1.65%	0.163%
33	14.136	2001	2006	2008	rBV2	548831	597182	37.06%	3.649%
34	14.160	2008	2010	2013	rVB	125011	106334	6.60%	0.650%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071218\
Data File : BF107349.D
Acq On : 12 Jul 2018 19:47
Operator : JU/SJ
Sample : J3924-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RO-1-4

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-BF061918.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	14.248	2021	2025	2029	rBV2	95262	110616	6.87%	0.676%
36	14.524	2070	2072	2075	rVB	25463	18145	1.13%	0.111%
37	14.559	2075	2078	2081	rBV	108620	108943	6.76%	0.666%
38	14.871	2128	2131	2136	rVB	96772	105987	6.58%	0.648%
39	14.954	2141	2145	2149	rVB	168348	174735	10.84%	1.068%
40	15.218	2185	2190	2198	rVB2	145644	274173	17.02%	1.675%
41	15.536	2241	2244	2252	rVB	56140	72534	4.50%	0.443%
42	15.612	2252	2257	2262	rBV2	88648	164498	10.21%	1.005%
43	15.671	2262	2267	2271	rBV	238277	317151	19.68%	1.938%
44	16.077	2332	2336	2341	rVB2	47378	72189	4.48%	0.441%

Sum of corrected areas: 16366054

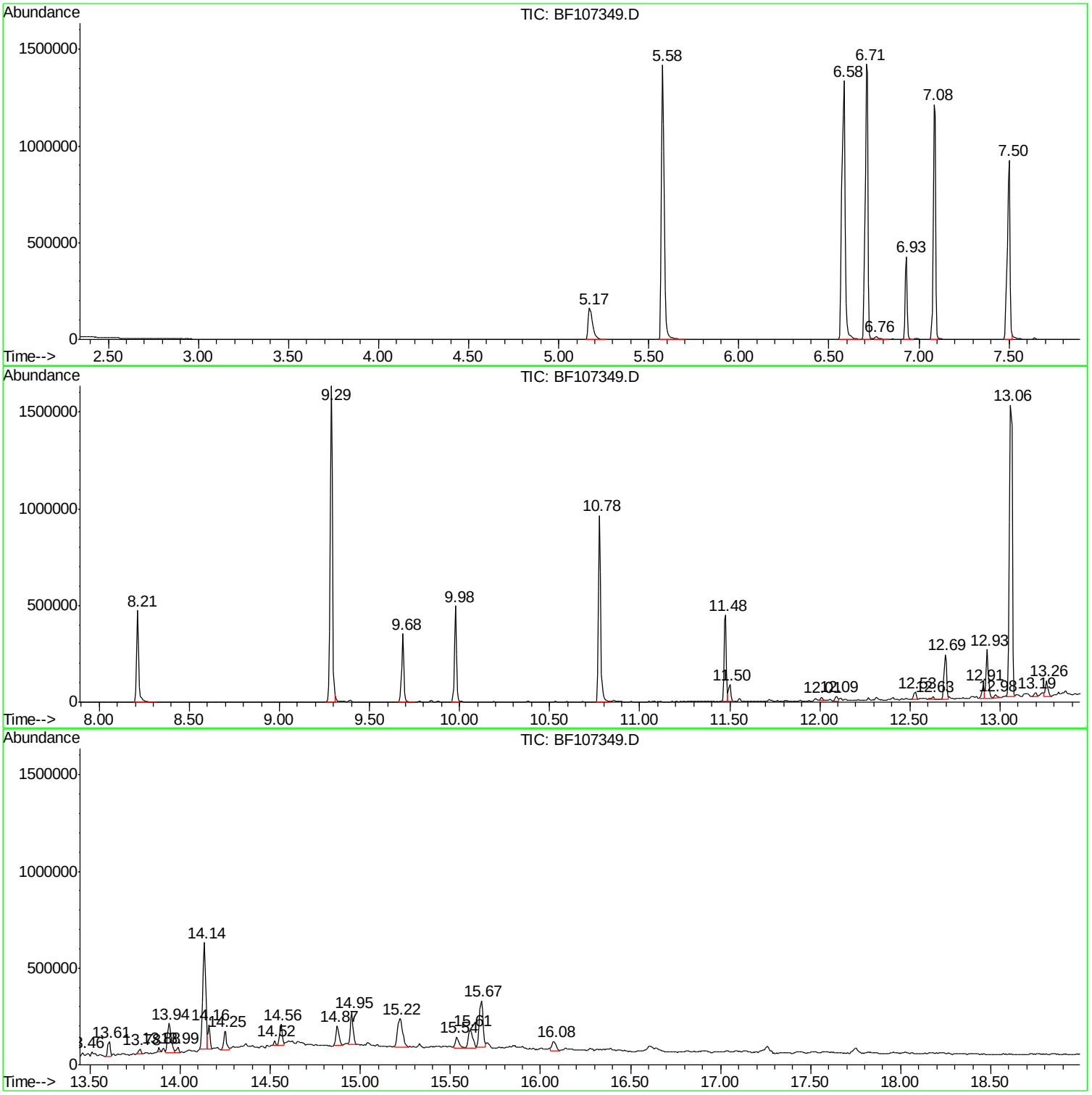
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071218\
Data File : BF107349.D
Acq On : 12 Jul 2018 19:47
Operator : JU/SJ
Sample : J3924-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RO-1-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.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\BF071218\
Data File : BF107349.D
Acq On : 12 Jul 2018 19:47
Operator : JU/SJ
Sample : J3924-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RO-1-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

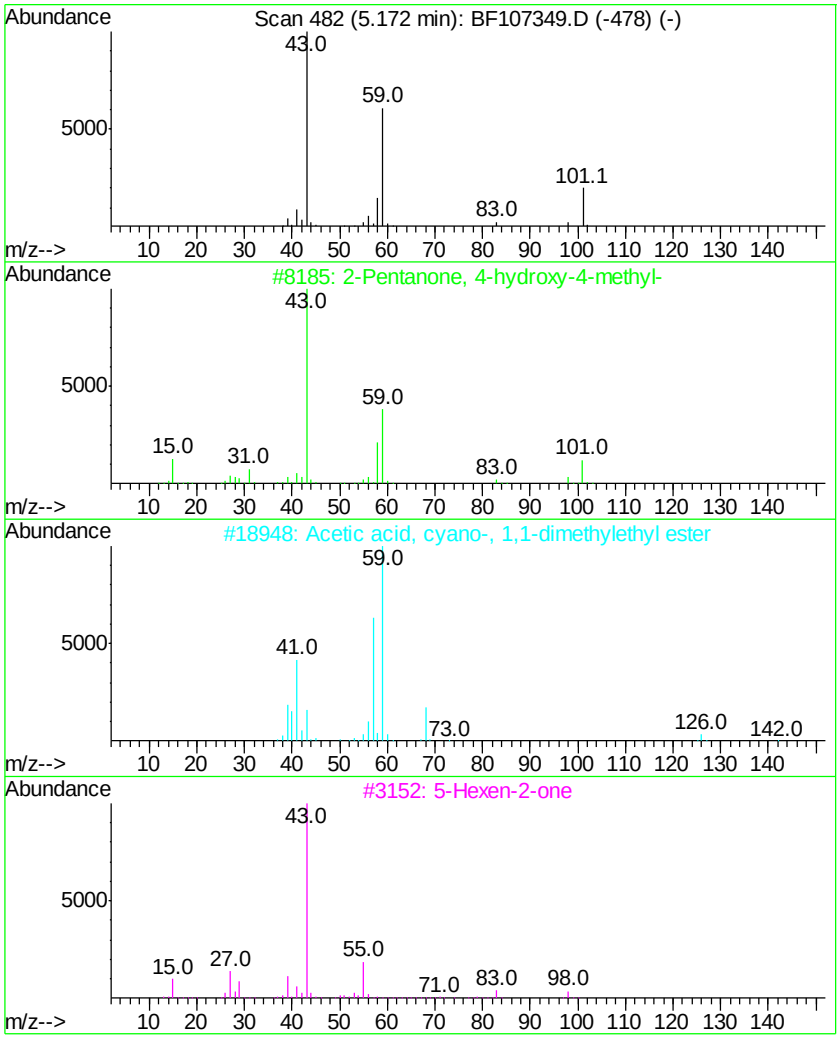
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

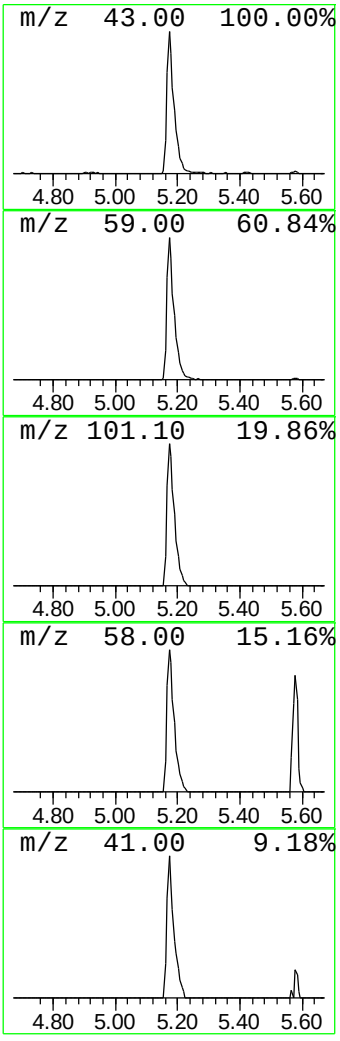
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.17	14.44 ng	264269	1,4-Dichlorobenzene-d4	6.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	72
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
3	5-Hexen-2-one	98	C6H10O	000109-49-9	9
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
5	3-Hydroxy-3-methyl-2-butanone	102	C5H10O2	000115-22-0	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071218\
Data File : BF107349.D
Acq On : 12 Jul 2018 19:47
Operator : JU/SJ
Sample : J3924-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RO-1-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.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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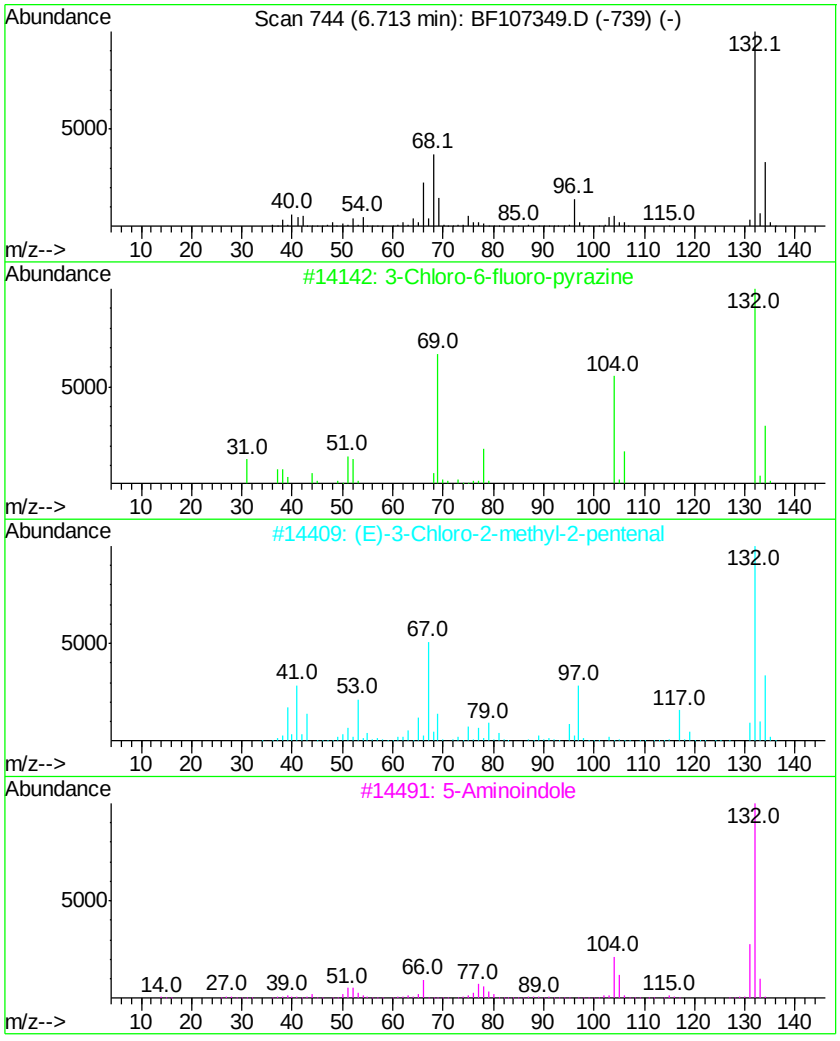
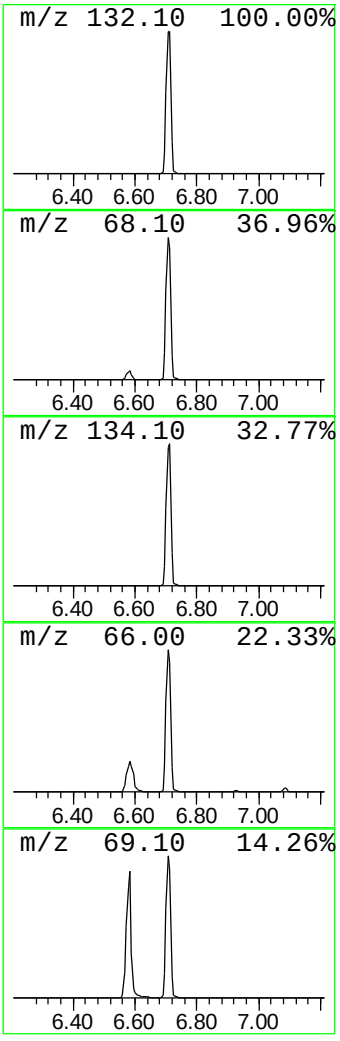
Peak Number 2 unknown6.71 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.71	81.87 ng	1498040	1,4-Dichlorobenzene-d4	6.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3	5-Aminoindole	132	C8H8N2	005192-03-0	12
4	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	10
5	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071218\
Data File : BF107349.D
Acq On : 12 Jul 2018 19:47
Operator : JU/SJ
Sample : J3924-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RO-1-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.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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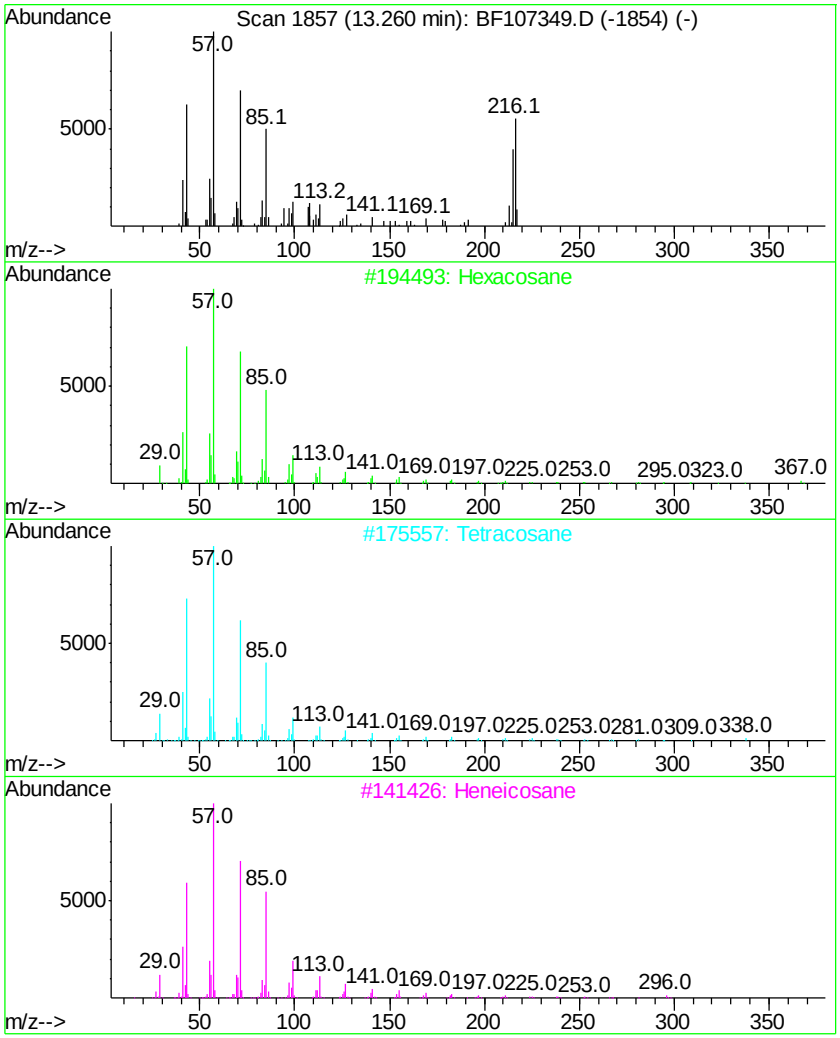
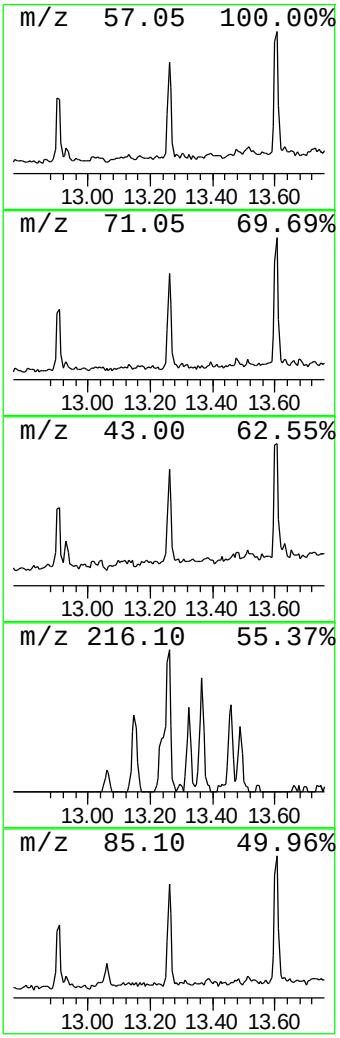
Peak Number 4 unknown13.26 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.26	2.57 ng	76699	Chrysene-d12	14.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexacosane	366	C26H54	000630-01-3	46
2	Tetracosane	338	C24H50	000646-31-1	41
3	Heneicosane	296	C21H44	000629-94-7	41
4	2-methyloctacosane	408	C29H60	1000376-72-8	41
5	Octacosane	394	C28H58	000630-02-4	41





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071218\
Data File : BF107349.D
Acq On : 12 Jul 2018 19:47
Operator : JU/SJ
Sample : J3924-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RO-1-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.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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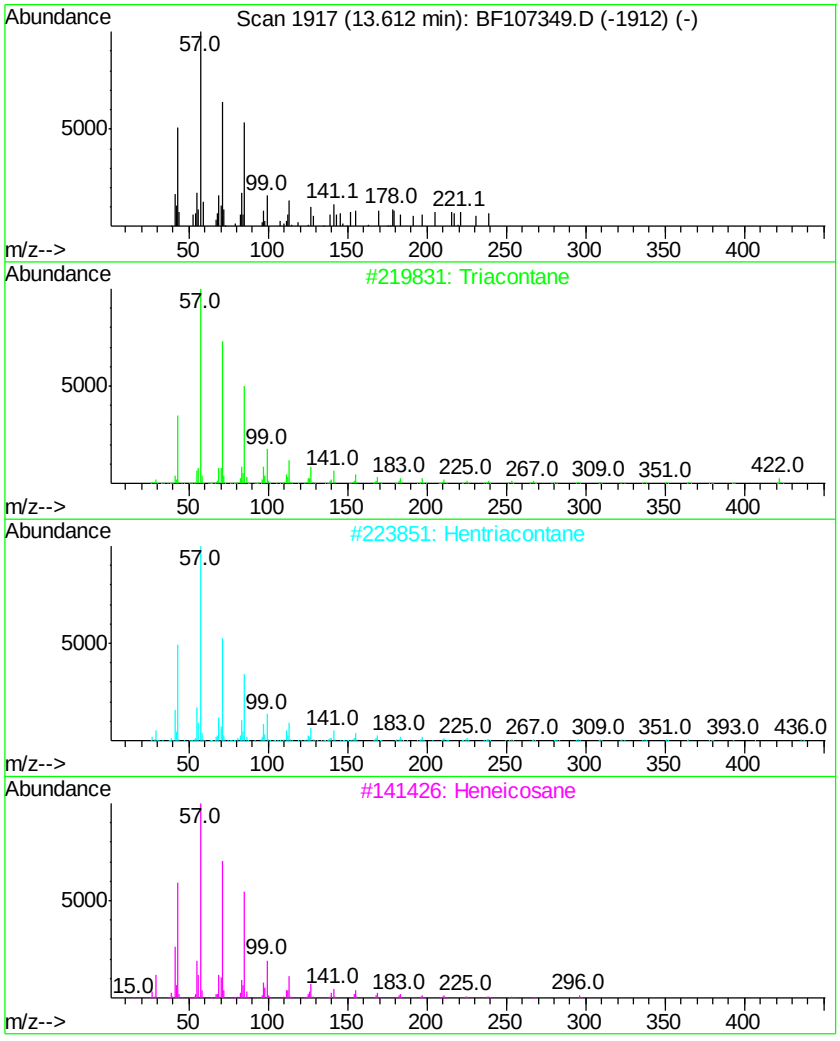
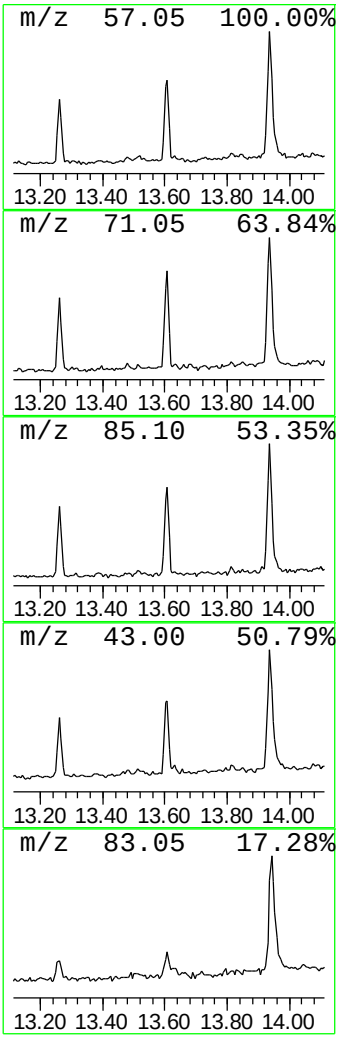
Peak Number 5 Triacontane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.61	2.18 ng	64961	Chrysene-d12	14.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triacontane	422	C30H62	000638-68-6	83
2	Hentriacontane	437	C31H64	000630-04-6	81
3	Heneicosane	296	C21H44	000629-94-7	81
4	Hexacosane	366	C26H54	000630-01-3	81
5	Octacosane	394	C28H58	000630-02-4	80





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071218\
Data File : BF107349.D
Acq On : 12 Jul 2018 19:47
Operator : JU/SJ
Sample : J3924-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RO-1-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.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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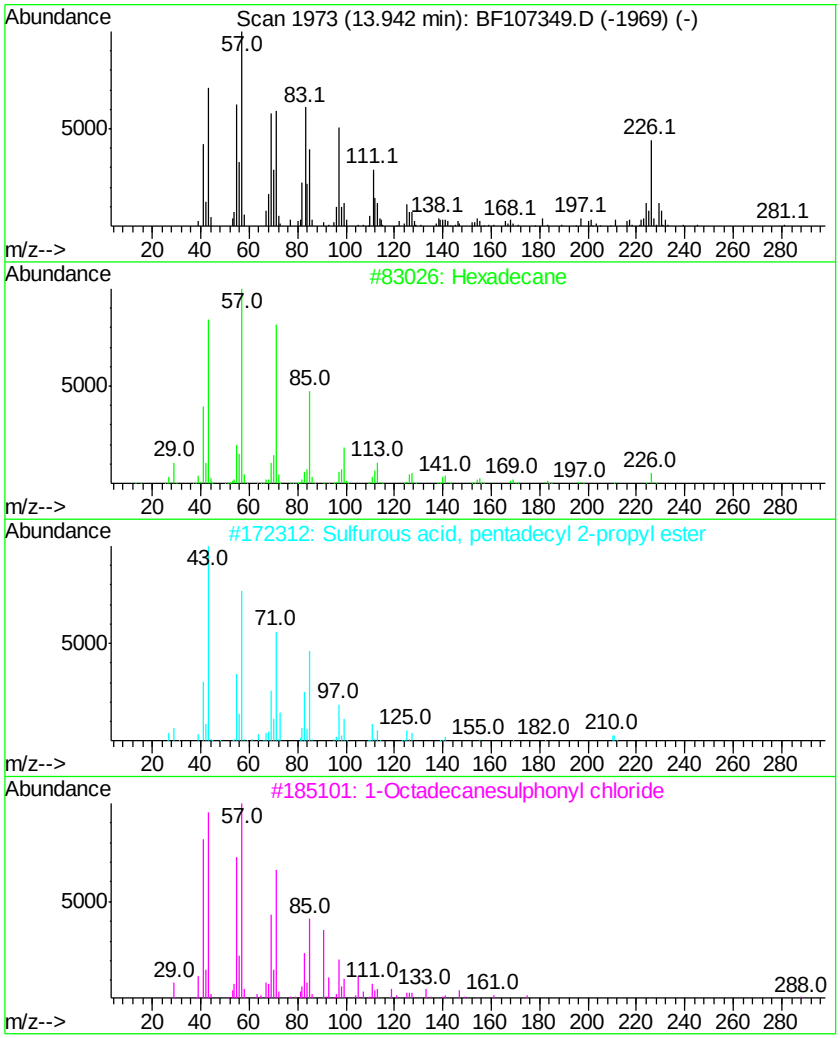
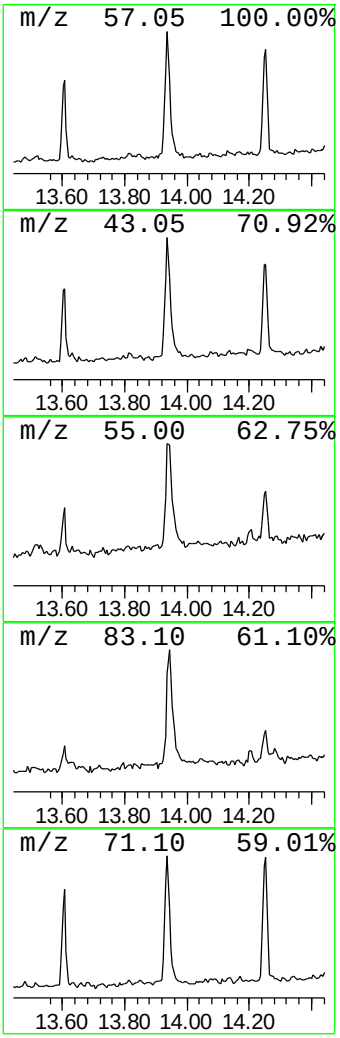
Peak Number 6 Hexadecane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.94	6.78 ng	202429	Chrysene-d12	14.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	90
2	Sulfurous acid, pentadecyl 2-pro...	334	C18H38O3S	1000309-12-6	58
3	1-Octadecanesulphonyl chloride	352	C18H37ClO2S	1000342-70-4	58
4	Sulfurous acid, 2-propyl tetrade...	320	C17H36O3S	1000309-12-5	58
5	Sulfurous acid, 2-propyl tridecy...	306	C16H34O3S	1000309-12-4	49





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071218\
Data File : BF107349.D
Acq On : 12 Jul 2018 19:47
Operator : JU/SJ
Sample : J3924-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RO-1-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.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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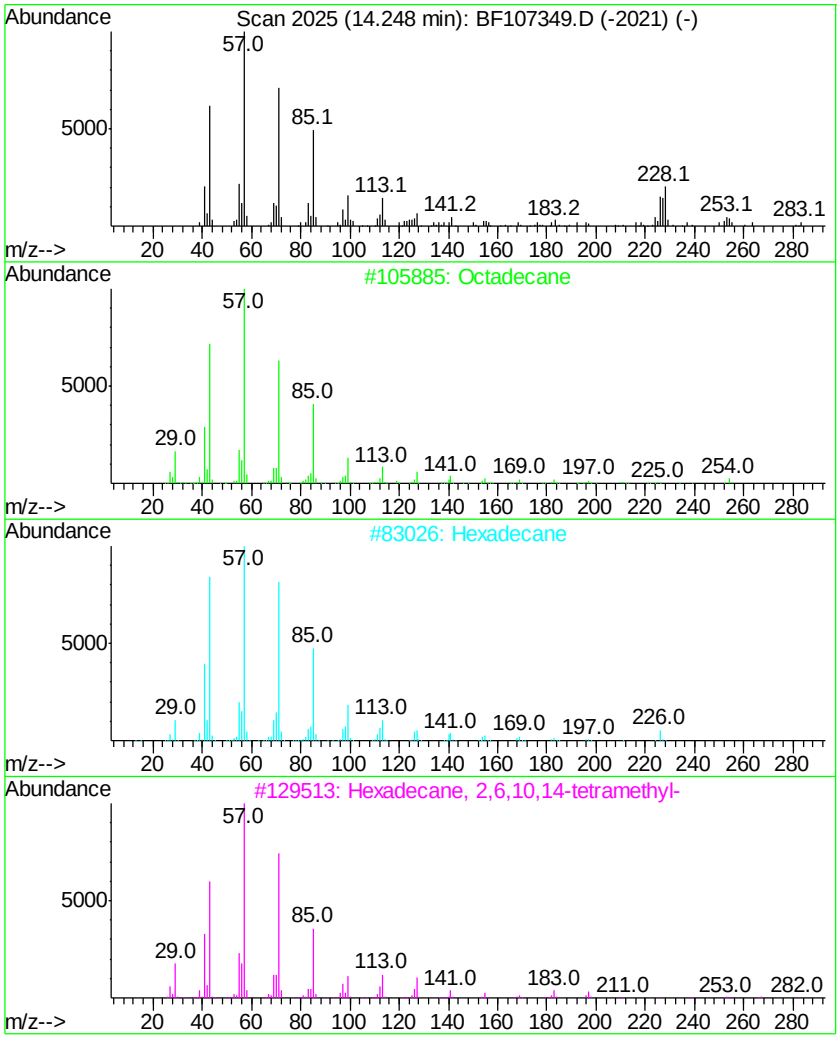
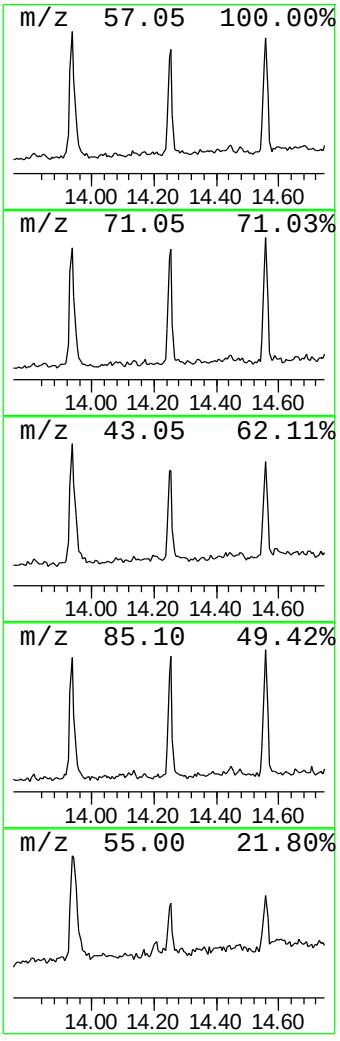
Peak Number 7 Octadecane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.25	3.70 ng	110616	Chrysene-d12	14.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane	254	C18H38	000593-45-3	96
2	Hexadecane	226	C16H34	000544-76-3	91
3	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	90
4	Heneicosane	296	C21H44	000629-94-7	62
5	Heptadecane	240	C17H36	000629-78-7	62





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071218\
Data File : BF107349.D
Acq On : 12 Jul 2018 19:47
Operator : JU/SJ
Sample : J3924-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RO-1-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.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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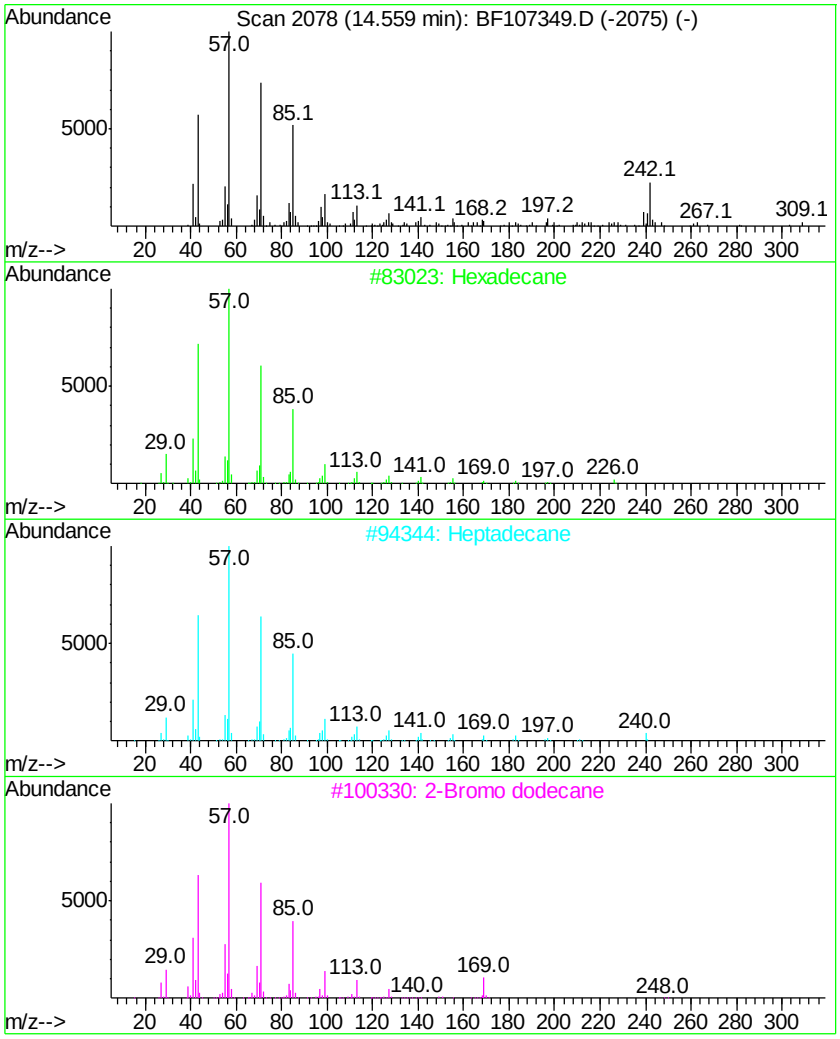
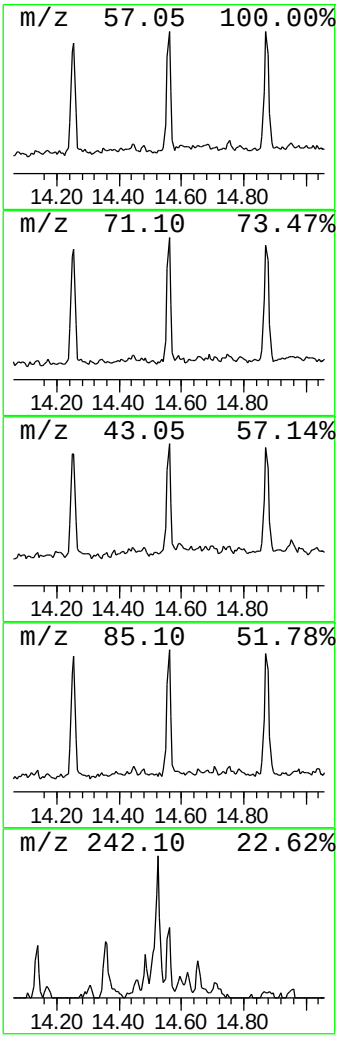
Peak Number 8 Heptadecane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.56	3.65 ng	108943	Chrysene-d12	14.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	96
2	Heptadecane	240	C17H36	000629-78-7	93
3	2-Bromo dodecane	248	C12H25Br	013187-99-0	90
4	Heneicosane	296	C21H44	000629-94-7	87
5	Hexacosane	366	C26H54	000630-01-3	87





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071218\
Data File : BF107349.D
Acq On : 12 Jul 2018 19:47
Operator : JU/SJ
Sample : J3924-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RO-1-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.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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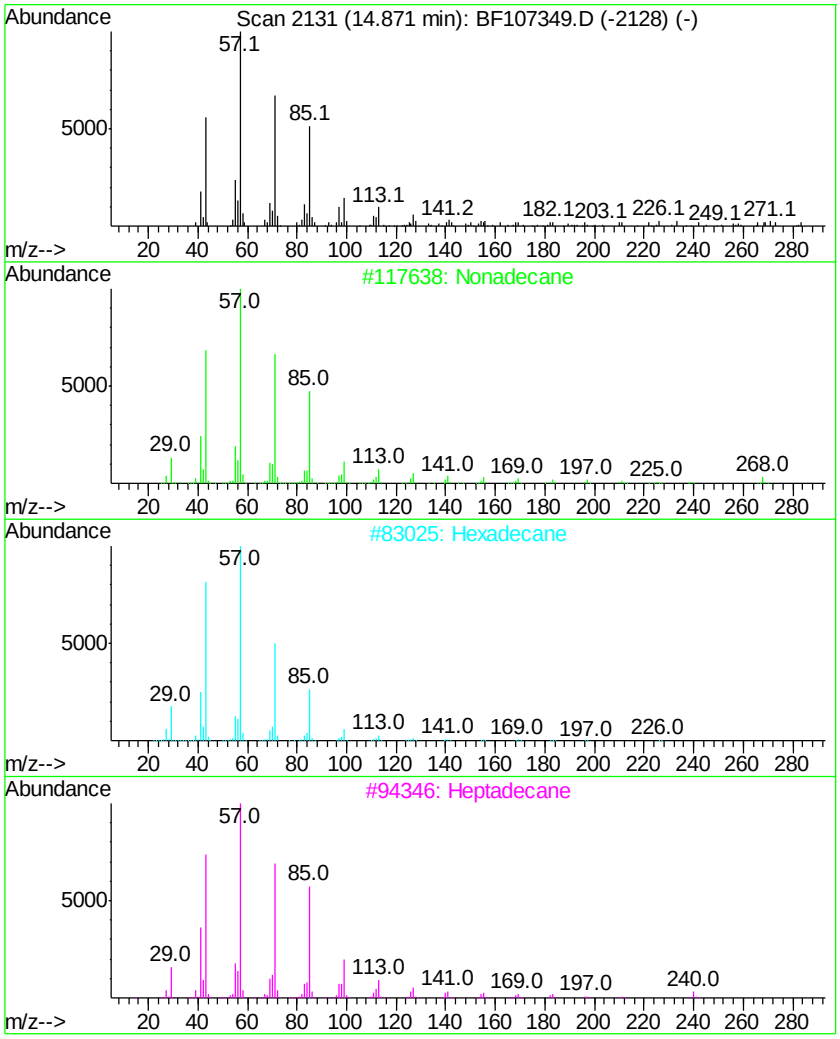
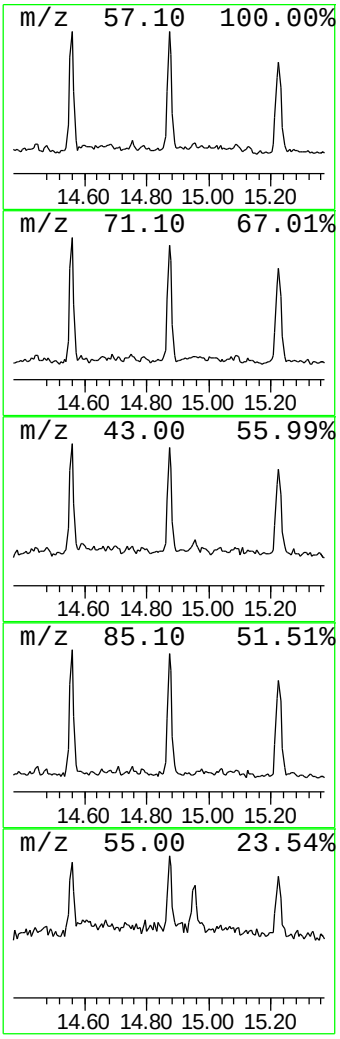
Peak Number 9 Nonadecane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.87	3.55 ng	105987	Chrysene-d12	14.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	93
2	Hexadecane	226	C16H34	000544-76-3	91
3	Heptadecane	240	C17H36	000629-78-7	87
4	Heneicosane	296	C21H44	000629-94-7	87
5	Hexacosane	366	C26H54	000630-01-3	87





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071218\
Data File : BF107349.D
Acq On : 12 Jul 2018 19:47
Operator : JU/SJ
Sample : J3924-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RO-1-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.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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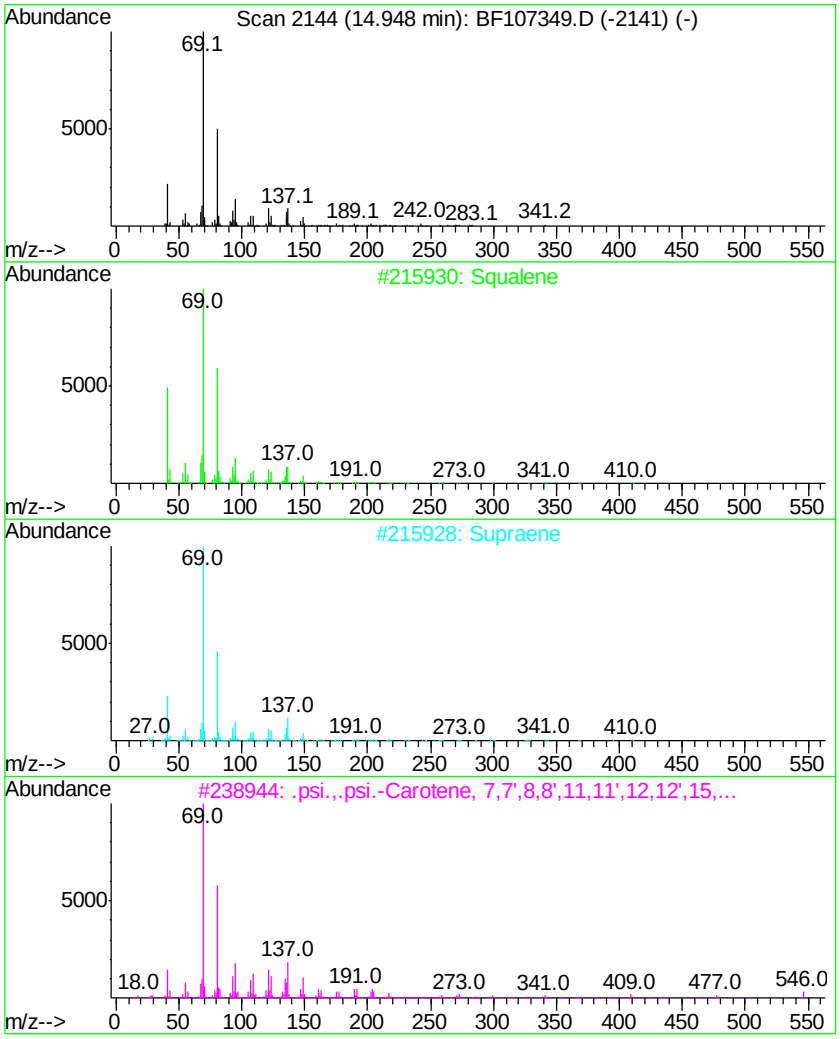
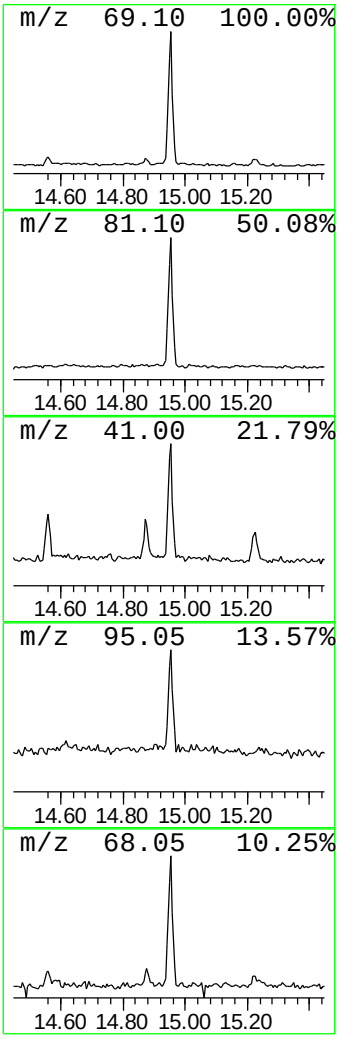
Peak Number 10 Squalene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.95	11.02 ng	174735	Perylene-d12	15.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Squalene	410	C30H50	000111-02-4	91
2	Supraene	410	C30H50	007683-64-9	91
3	.psi.,.psi.-Carotene, 7,7',8,8',...	547	C40H66	000502-62-5	78
4	7,11-Dimethyldodeca-2,6,10-trien...	208	C14H24O	125529-10-4	72
5	2,6,10-Dodecatrien-1-ol, 3,7,11-...	264	C17H28O2	004128-17-0	59





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071218\
Data File : BF107349.D
Acq On : 12 Jul 2018 19:47
Operator : JU/SJ
Sample : J3924-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RO-1-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.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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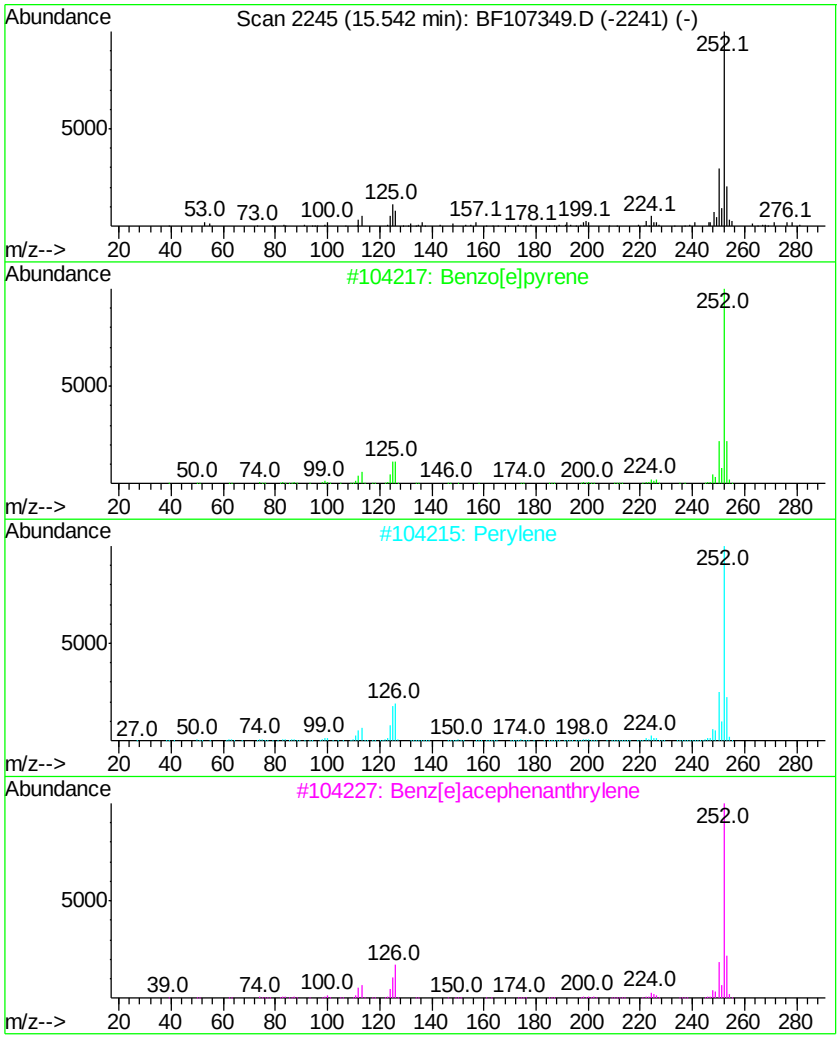
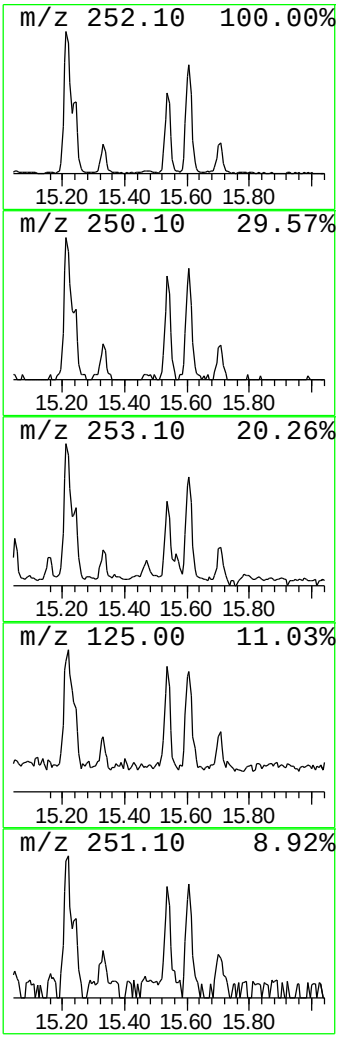
Peak Number 11 Benzo[e]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.54	4.57 ng	72534	Perylene-d12	15.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	95
2	Perylene	252	C20H12	000198-55-0	93
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90
4	Benzo[a]pyrene	252	C20H12	000050-32-8	90
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	89





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Data File : BF107349.D
Acq On : 12 Jul 2018 19:47
Operator : JU/SJ
Sample : J3924-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RO-1-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.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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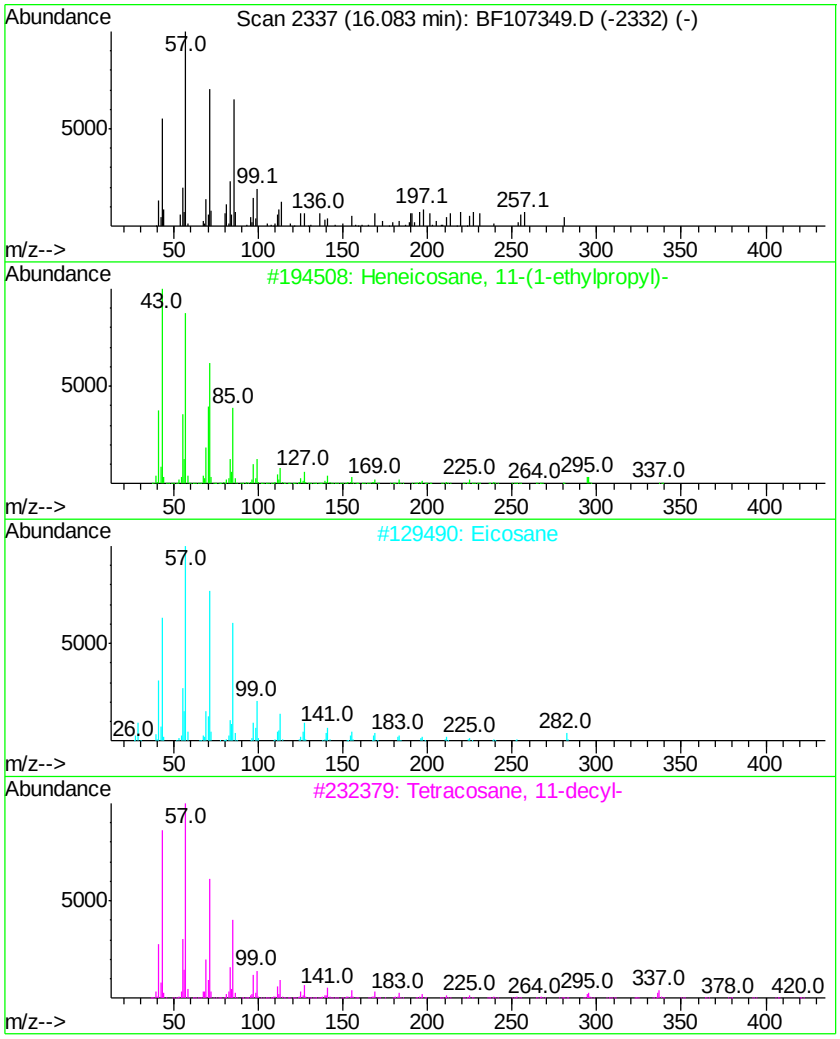
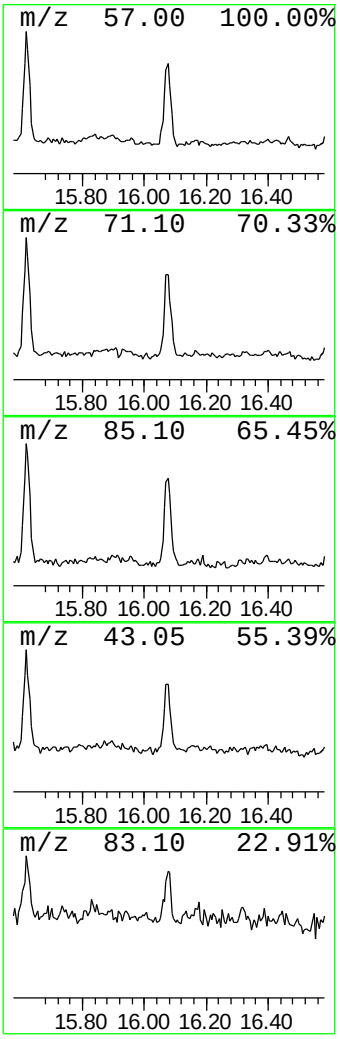
Peak Number 12 Heneicosane, 11-(1-ethylpro... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.08	4.55 ng	72189	Perylene-d12	15.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane, 11-(1-ethylpropyl)-	366	C26H54	055282-11-6	90
2	Eicosane	282	C20H42	000112-95-8	80
3	Tetracosane, 11-decyl-	479	C34H70	055429-84-0	80
4	Heptadecane	240	C17H36	000629-78-7	80
5	Hexadecane	226	C16H34	000544-76-3	80





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF071218\
Data File : BF107349.D
Acq On : 12 Jul 2018 19:47
Operator : JU/SJ
Sample : J3924-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RO-1-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.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
2-Pentanone, 4-hy...	5.17	14.4	ng	264269	1	6.93	365976	20.0
unknown6.71	6.71	81.9	ng	1498040	1	6.93	365976	20.0
unknown13.26	13.26	2.6	ng	76699	5	14.14	597182	20.0
Triacontane	13.61	2.2	ng	64961	5	14.14	597182	20.0
Hexadecane	13.94	6.8	ng	202429	5	14.14	597182	20.0
Octadecane	14.25	3.7	ng	110616	5	14.14	597182	20.0
Heptadecane	14.56	3.6	ng	108943	5	14.14	597182	20.0
Nonadecane	14.87	3.5	ng	105987	5	14.14	597182	20.0
Squalene	14.95	11.0	ng	174735	6	15.67	317151	20.0
Benzo[e]pyrene	15.54	4.6	ng	72534	6	15.67	317151	20.0
Heneicosane, 11-(...	16.08	4.5	ng	72189	6	15.67	317151	20.0