LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041816\
Data File : BF086278.D
Acq On : 18 Apr 2016 13:26
Operator : UM/SJ
Sample : H2471-12
Misc :
ALS Vial : 73 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CDMSH10

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-BF041516.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	2.190	7	9	21	rVB	316085	547568	6.85%	0.691%
2	5.093	260	263	270	rVB	369814	508132	6.36%	0.642%
3	5.493	294	298	300	rBV	6277147	7495154	93.78%	9.463%
4	6.522	384	388	390	rBV	5172350	7992646	100.00%	10.091%
5	6.659	396	400	402	rBV	5630183	7509540	93.96%	9.481%
6	6.887	417	420	422	rBV	2531685	2219434	27.77%	2.802%
7	7.047	431	434	436	rBV	4823936	5716308	71.52%	7.217%
8	7.447	466	469	471	rBV	4103318	4762148	59.58%	6.012%
9	7.493	471	473	474	rVV	119851	117328	1.47%	0.148%
10	7.527	474	476	479	rVB	90997	111174	1.39%	0.140%
11	8.168	530	532	534	rBV	2460201	2837241	35.50%	3.582%
12	9.253	623	627	629	rBV	6660712	7621394	95.36%	9.622%
13	9.642	659	661	663	rBV	1119022	950592	11.89%	1.200%
14	9.859	678	680	683	rBV	186055	173890	2.18%	0.220%
15	9.928	683	686	688	rVB	3337809	3255049	40.73%	4.110%
16	10.259	713	715	717	rBV	133503	132160	1.65%	0.167%
17	10.362	722	724	726	rVB	455198	359423	4.50%	0.454%
18	10.579	740	743	746	rBV	129332	265437	3.32%	0.335%
19	10.716	752	755	757	rBV	3800778	4663404	58.35%	5.888%
20	10.831	764	765	772	rVB	330382	491004	6.14%	0.620%
21	11.025	780	782	784	rBV2	51373	84552	1.06%	0.107%
22	11.276	802	804	806	rBV	135776	198229	2.48%	0.250%
23	11.414	813	816	818	rBV	2510405	3171633	39.68%	4.004%
24	11.939	860	862	864	rBV	435322	432530	5.41%	0.546%
25	12.614	918	921	923	rBV	62053	83731	1.05%	0.106%
26	12.819	936	939	942	rBV2	214285	290232	3.63%	0.366%
27	12.899	942	946	948	rVB2	90192	132433	1.66%	0.167%
28	13.002	951	955	957	rBV	5043497	6724508	84.13%	8.490%
29	13.208	971	973	974	rBV	59245	82957	1.04%	0.105%
30	13.231	974	975	977	rVB	116770	93346	1.17%	0.118%
31	13.471	992	996	999	rBV2	56265	101807	1.27%	0.129%
32	13.528	999	1001	1003	rBV2	110680	160292	2.01%	0.202%
33	13.574	1003	1005	1006	rVB	156131	136103	1.70%	0.172%
34	13.894	1030	1033	1043	rBV	1935305	2368694	29.64%	2.991%

LSC Area Percent Report

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Operator : UM/SJ
Sample : H2471-12
Misc :
ALS Vial : 73 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CDMSH10

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-BF041516.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	14.042	1043	1046	1048	rBV	2722949	2756733	34.49%	3.481%
36	14.214	1059	1061	1064	rBV	227190	237625	2.97%	0.300%
37	14.522	1086	1088	1094	rBV	365810	472712	5.91%	0.597%
38	14.820	1110	1114	1118	rBV2	137066	281148	3.52%	0.355%
39	14.900	1119	1121	1124	rVB	89075	99604	1.25%	0.126%
40	14.968	1124	1127	1129	rBV2	65701	90403	1.13%	0.114%
41	15.151	1141	1143	1148	rBV2	175939	329478	4.12%	0.416%
42	15.471	1168	1171	1174	rBV	1329928	2080123	26.03%	2.626%
43	15.528	1174	1176	1180	rVB	94303	143332	1.79%	0.181%
44	15.951	1210	1213	1214	rBV	124684	208216	2.61%	0.263%
45	15.985	1214	1216	1222	rVB	173455	345824	4.33%	0.437%
46	16.431	1253	1255	1259	rVB2	39327	82683	1.03%	0.104%
47	17.014	1303	1306	1309	rBV	42960	104956	1.31%	0.133%
48	17.460	1342	1345	1350	rBV5	74800	181977	2.28%	0.230%

Sum of corrected areas: 79204887

LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041816\
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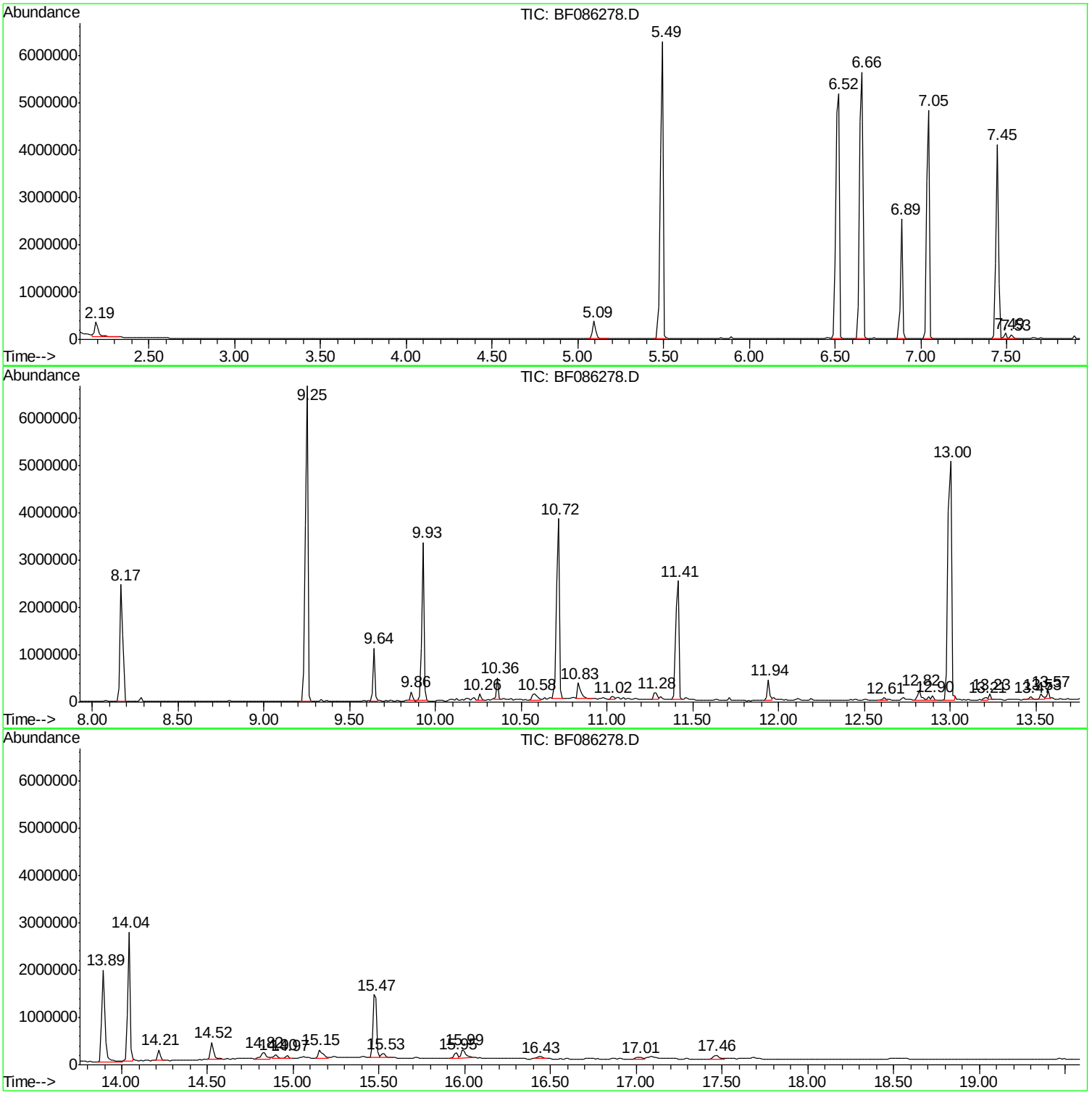
ALS Vial : 73 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CDMSH10

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041816\
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Operator : UM/SJ
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Misc :
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Instrument : BNA_F
ClientSampleId : CDMSH10

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

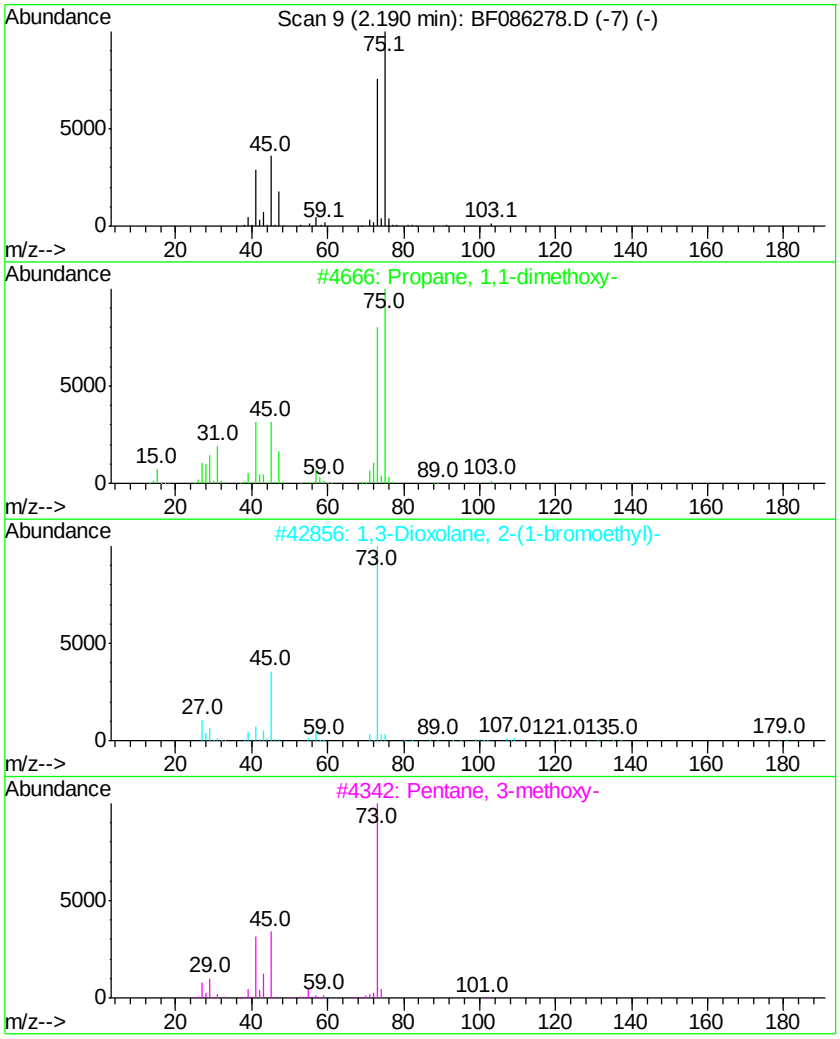
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

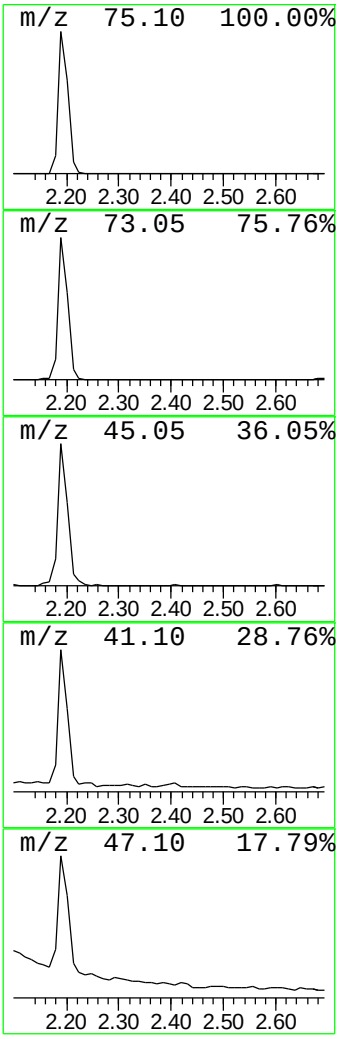
****

Peak Number 1 Propane, 1,1-dimethoxy- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.19	4.93 ng	547568	1,4-Dichlorobenzene-d4	6.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane, 1,1-dimethoxy-	104	C5H12O2	004744-10-9	74
2	1,3-Dioxolane, 2-(1-bromoethyl)-	180	C5H9BrO2	005267-73-2	14
3	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	14
4	Thiocyanic acid, methyl ester	73	C2H3NS	000556-64-9	9
5	Borane, dimethoxy-	74	C2H7BO2	004542-61-4	9





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Acq On : 18 Apr 2016 13:26
Operator : UM/SJ
Sample : H2471-12
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Instrument : BNA_F
ClientSampleId : CDMSH10

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

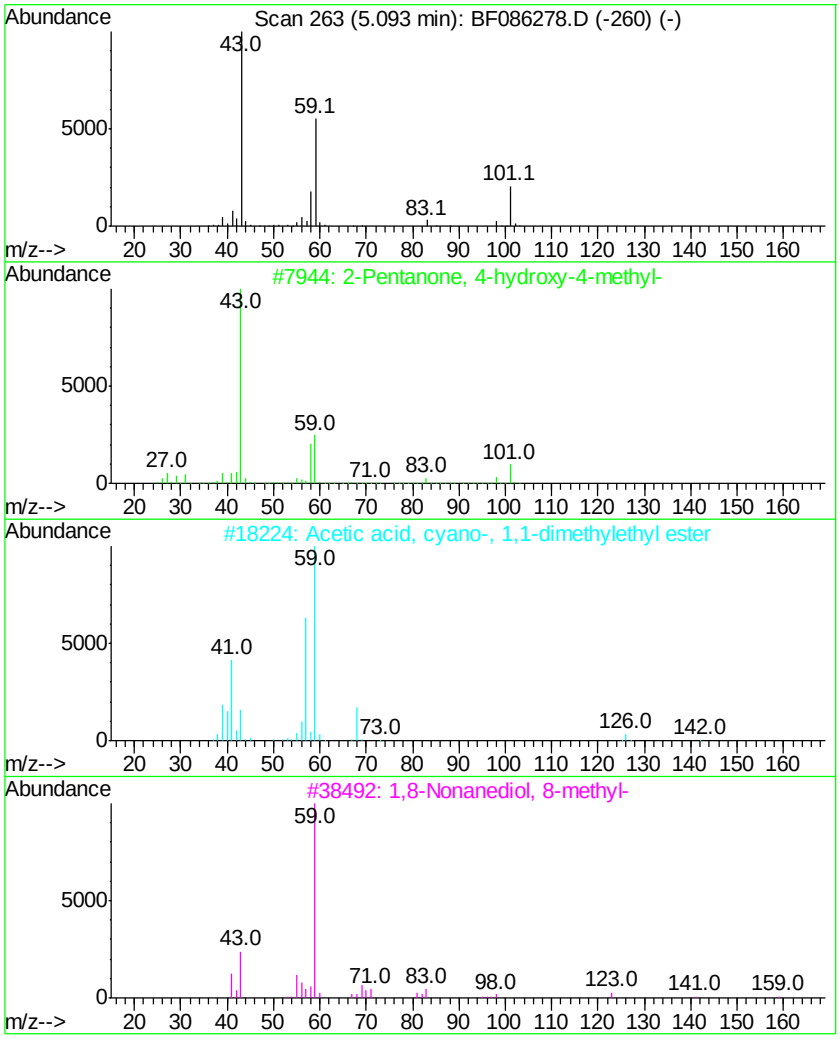
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

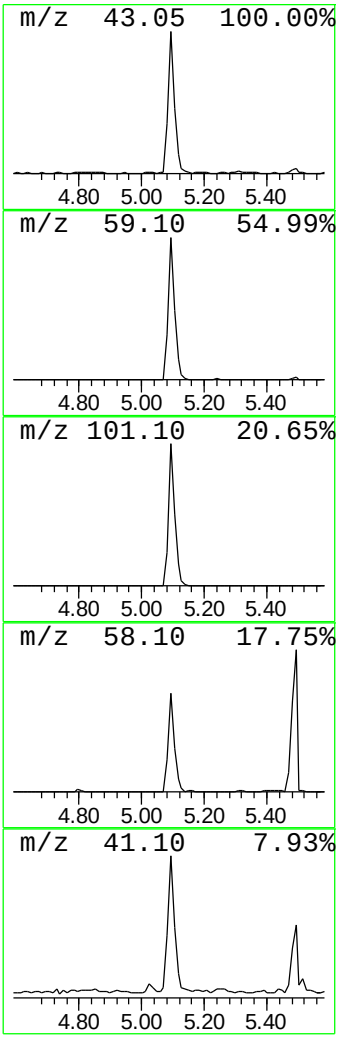
****

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.09	4.58 ng	508132	1,4-Dichlorobenzene-d4	6.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23
3	1,8-Nonanediol, 8-methyl-	174	C10H22O2	054725-73-4	23
4	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
5	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041816\
Data File : BF086278.D
Acq On : 18 Apr 2016 13:26
Operator : UM/SJ
Sample : H2471-12
Misc :
ALS Vial : 73 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CDMSH10

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

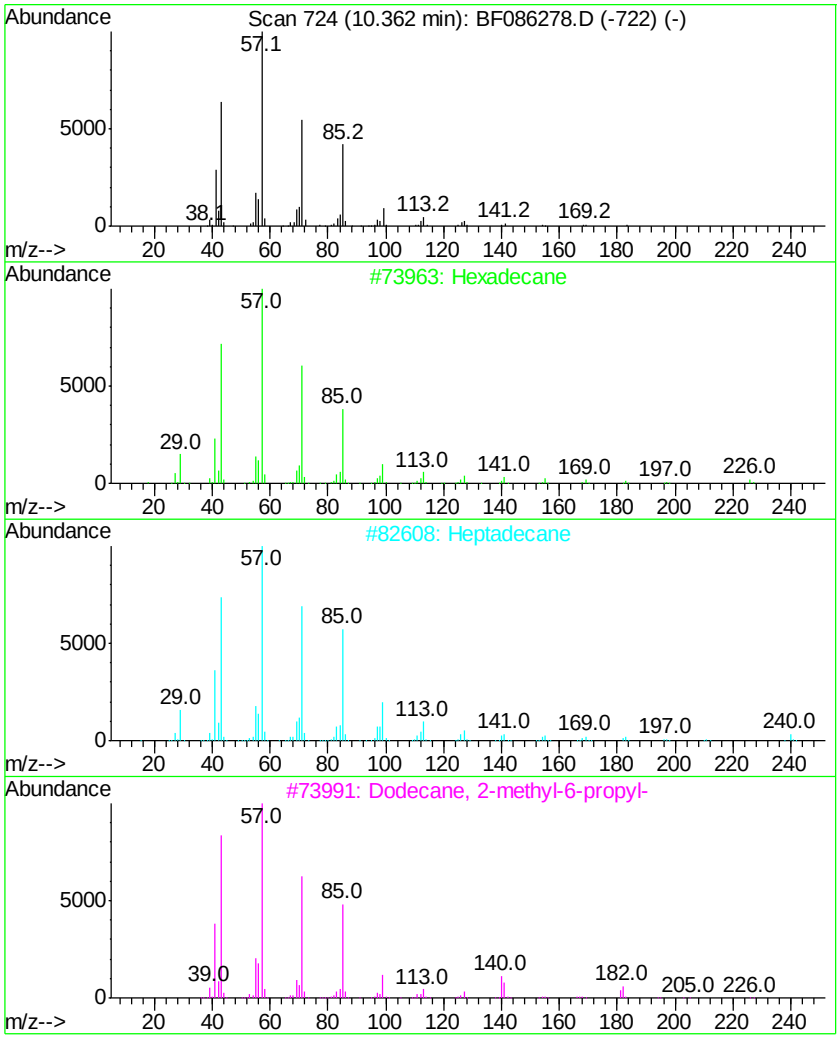
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

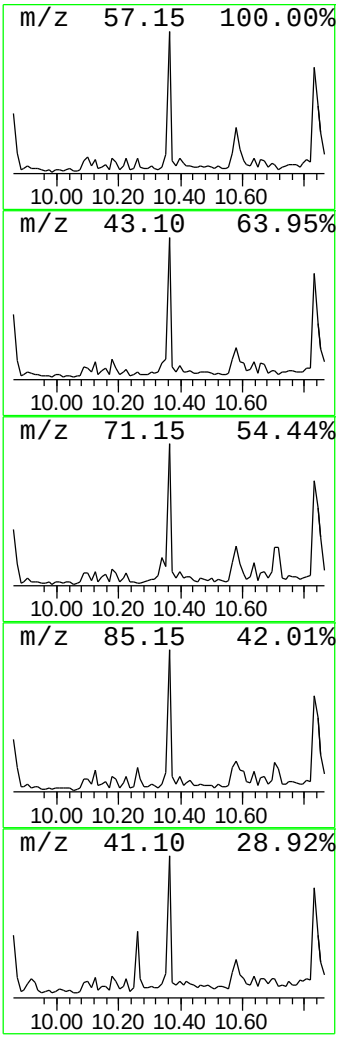
****

Peak Number 5 Hexadecane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.36	2.21 ng	359423	Acenaphthene-d10	9.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	86
2	Heptadecane	240	C17H36	000629-78-7	83
3	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	80
4	Nonane, 5-butyl-	184	C13H28	017312-63-9	72
5	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	64





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Operator : UM/SJ
Sample : H2471-12
Misc :
ALS Vial : 73 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CDMSH10

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041516.M
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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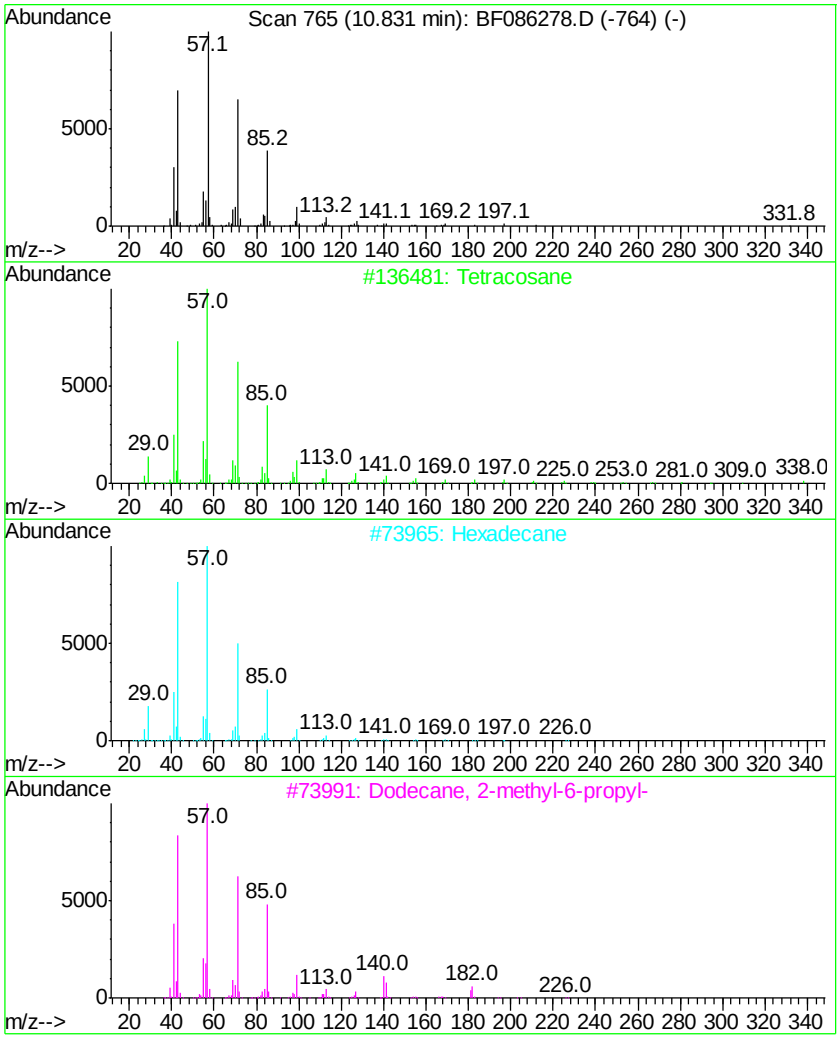
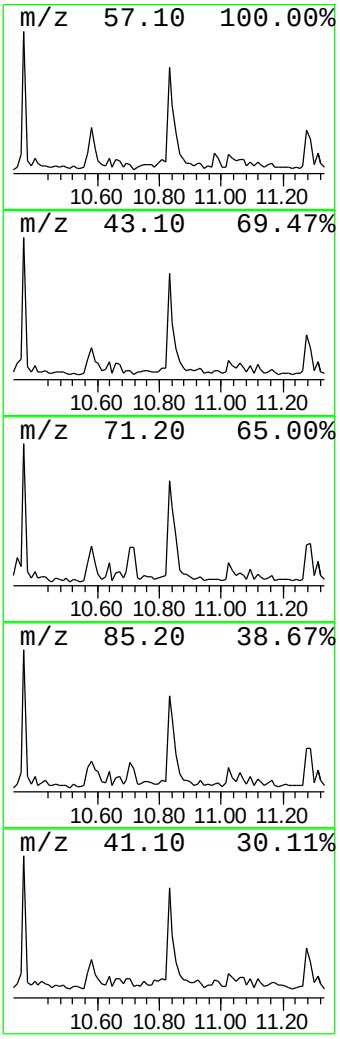
Peak Number 6 Tetracosane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.83	3.10 ng	491004	Phenanthrene-d10	11.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetracosane	338	C24H50	000646-31-1	83
2	Hexadecane	226	C16H34	000544-76-3	80
3	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	80
4	Eicosane	282	C20H42	000112-95-8	72
5	Pentadecane	212	C15H32	000629-62-9	64





Library Search Compound Report

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Operator : UM/SJ
Sample : H2471-12
Misc :
ALS Vial : 73 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CDMSH10

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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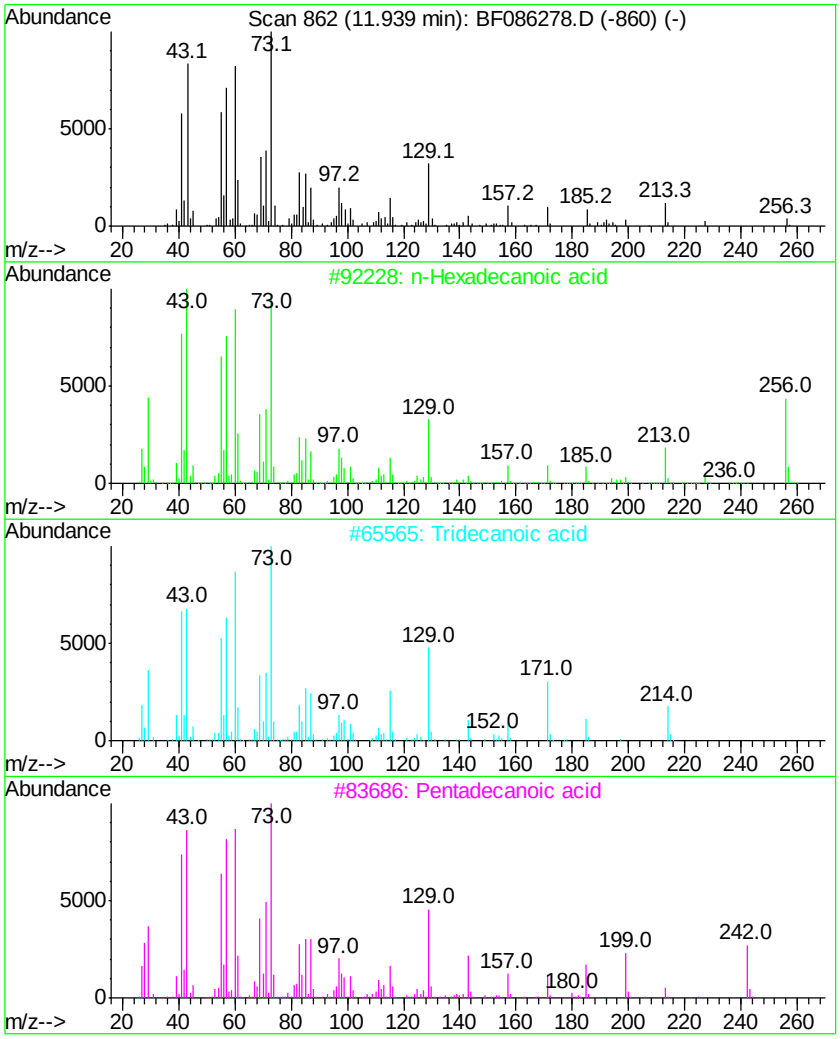
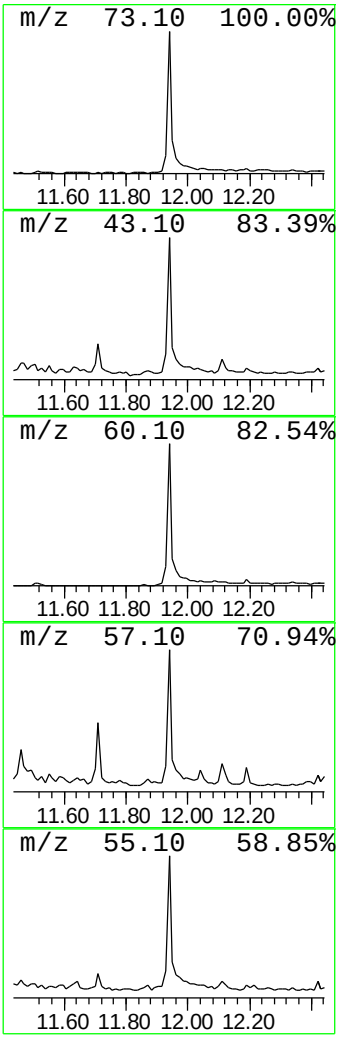
Peak Number 7 n-Hexadecanoic acid Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.94	2.73 ng	432530	Phenanthrene-d10	11.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Tridecanoic acid	214	C13H26O2	000638-53-9	91
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	87
4	2-Butenoic acid, 2-methoxy-3-met...	144	C7H12O3	056009-32-6	25
5	N-Acetylisoxazolidine	115	C5H9NO2	115615-36-6	18





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Sample : H2471-12
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ALS Vial : 73 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CDMSH10

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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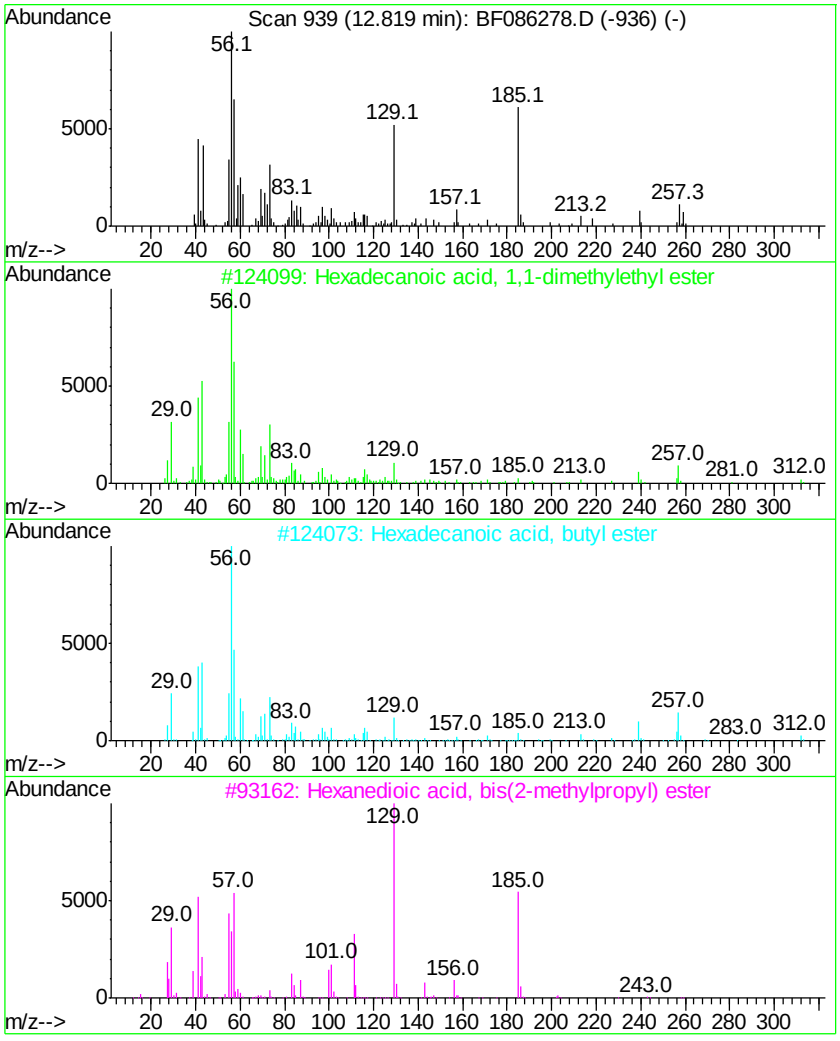
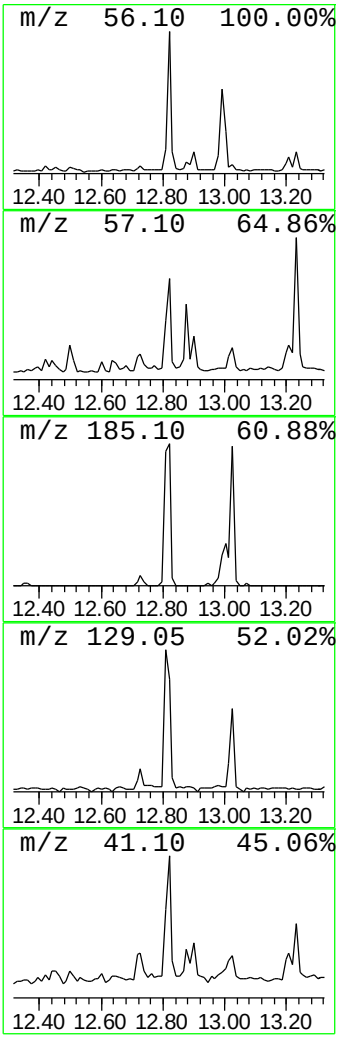
Peak Number 8 Hexadecanoic acid, 1,1-dime... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.82	2.11 ng	290232	Chrysene-d12	14.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecanoic acid, 1,1-dimethyle...	312	C20H40O2	031158-91-5	55
2	Hexadecanoic acid, butyl ester	312	C20H40O2	000111-06-8	47
3	Hexanedioic acid, bis(2-methylpr...	258	C14H26O4	000141-04-8	43
4	Oxirane, 2,3-bis(1-methylethyl)-...	128	C8H16O	054644-32-5	30
5	Cyclobutane, 1,1-dimethyl-2-octyl-	196	C14H28	062338-30-1	22





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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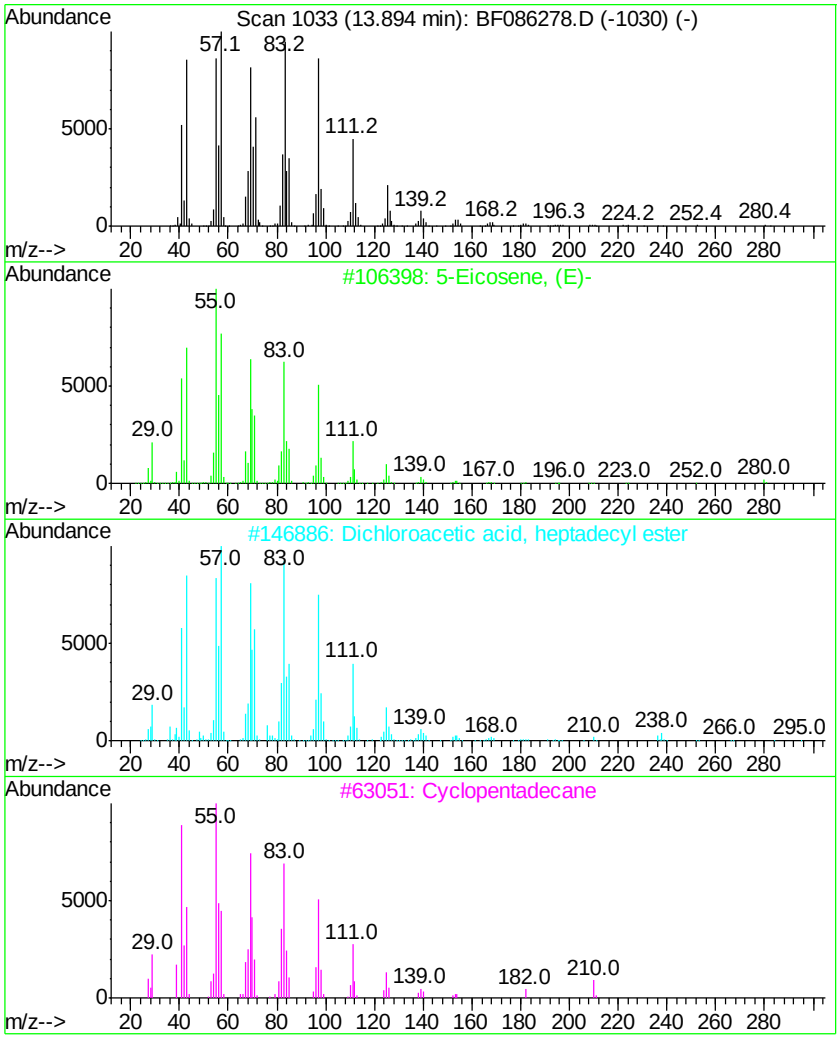
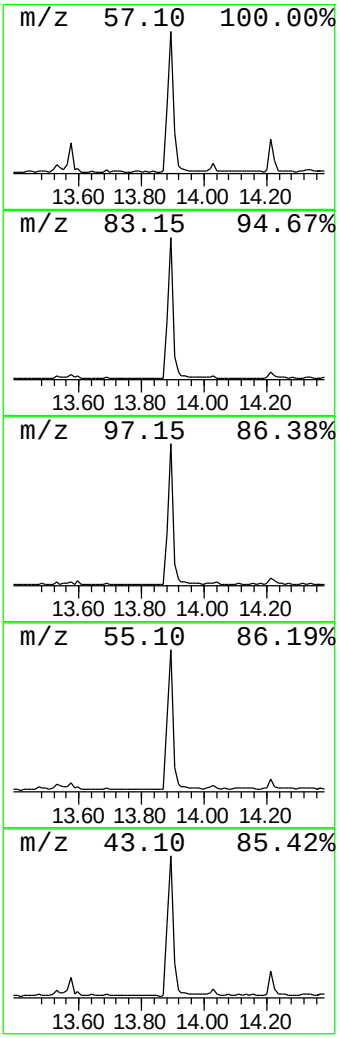
Peak Number 9 5-Eicosene, (E)- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.89	17.18 ng	2368690	Chrysene-d12	14.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Eicosene, (E)-	280	C20H40	074685-30-6	99
2	Dichloroacetic acid, heptadecyl ...	366	C19H36Cl2O2	1000282-98-2	94
3	Cyclopentadecane	210	C15H30	000295-48-7	93
4	1-Nonadecene	266	C19H38	018435-45-5	91
5	Trichloroacetic acid, pentadecyl...	372	C17H31Cl3O2	074339-53-0	91





Data Path : Z:\HPCHEM1\BNA F\DATA\BF041816\
Data File : BF086278.D
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Operator : UM/SJ
Sample : H2471-12
Misc :
ALS Vial : 73 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CDMSH10

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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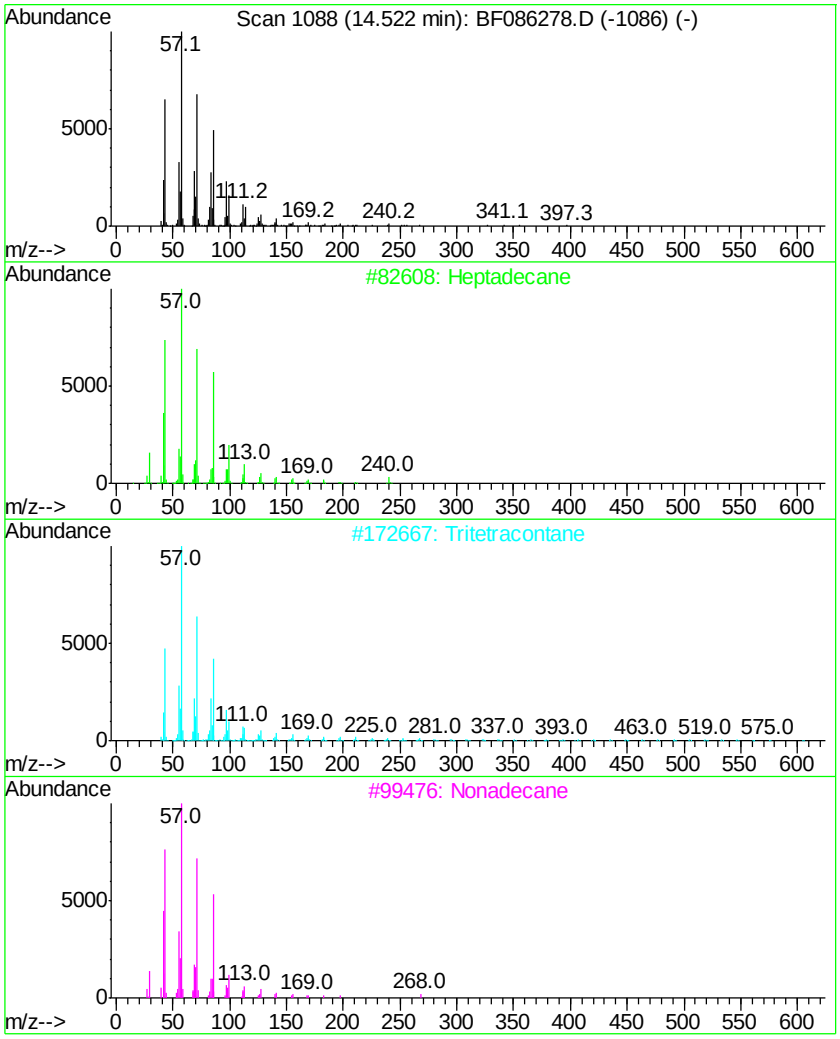
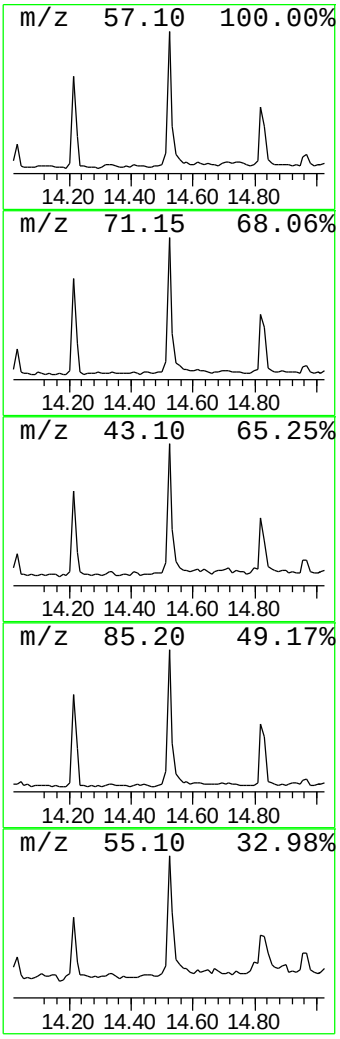
Peak Number 10 Heptadecane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.52	3.43 ng	472712	Chrysene-d12	14.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	95
2	Tritetracontane	605	C43H88	007098-21-7	91
3	Nonadecane	268	C19H40	000629-92-5	68
4	Eicosane	282	C20H42	000112-95-8	68
5	Octadecane	254	C18H38	000593-45-3	62





Data Path : Z:\HPCHEM1\BNA F\DATA\BF041816\
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Misc :
ALS Vial : 73 Sample Multiplier: 1

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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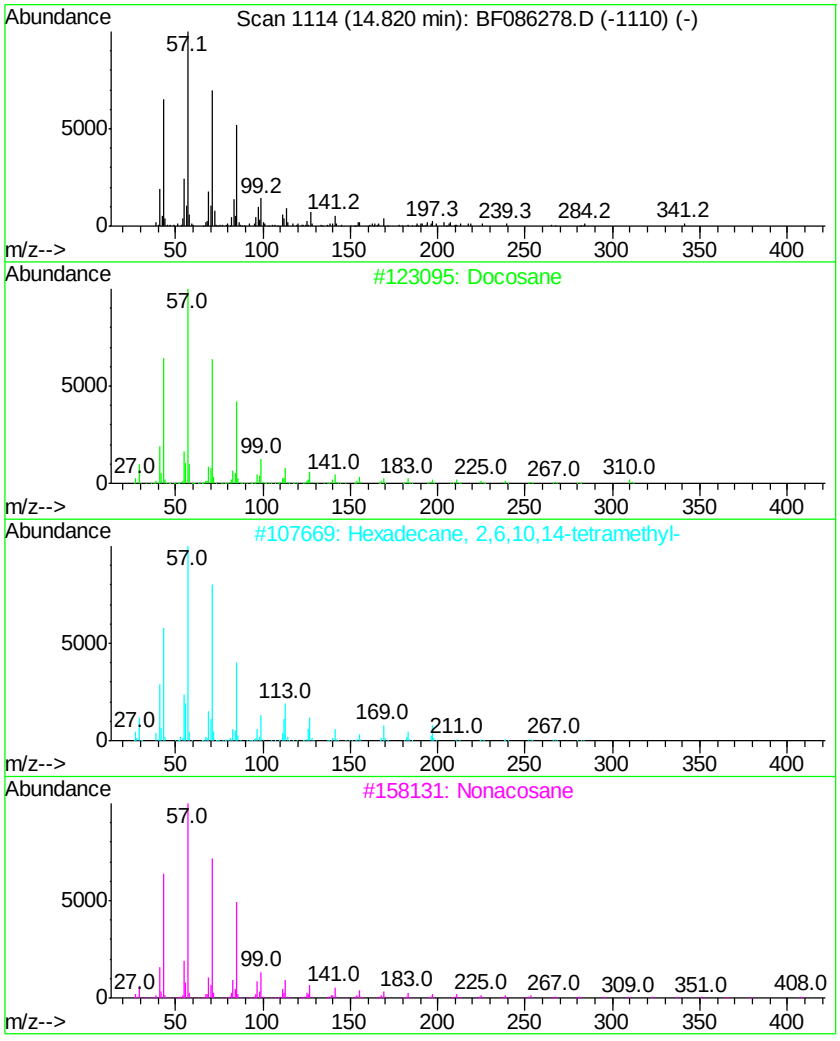
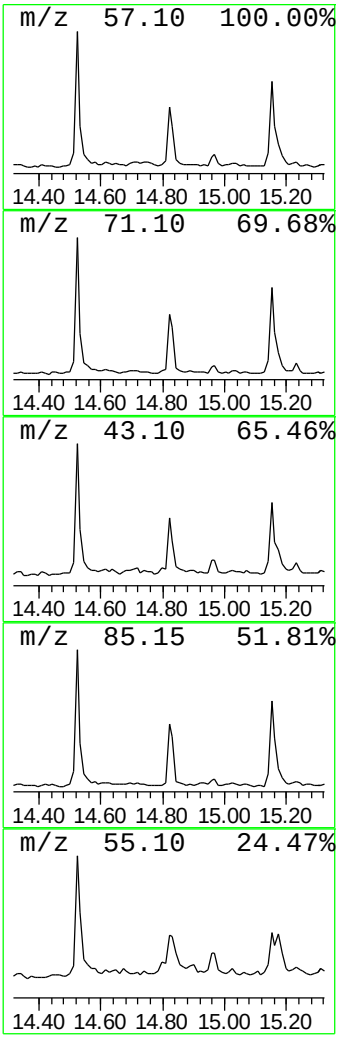
Peak Number 11 Docosane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.82	2.70 ng	281148	Perylene-d12	15.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Docosane	310	C22H46	000629-97-0	87
2	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	87
3	Nonacosane	408	C29H60	000630-03-5	87
4	Triacontane	422	C30H62	000638-68-6	87
5	Heneicosane	296	C21H44	000629-94-7	86





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Data File : BF086278.D
Acq On : 18 Apr 2016 13:26
Operator : UM/SJ
Sample : H2471-12
Misc :
ALS Vial : 73 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CDMSH10

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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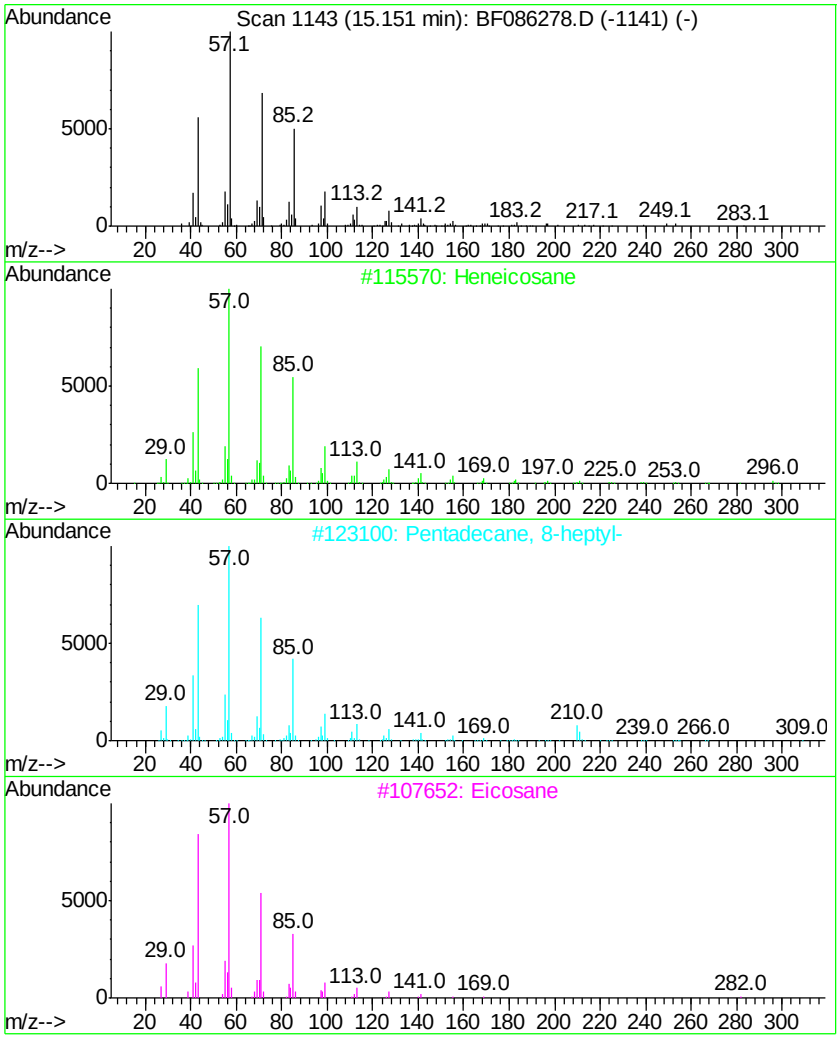
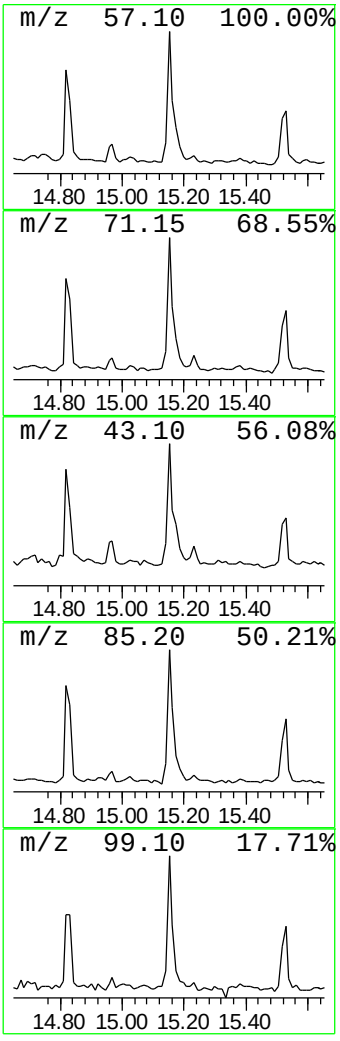
Peak Number 12 Heneicosane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.15	3.17 ng	329478	Perylene-d12	15.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	91
2	Pentadecane, 8-heptyl-	310	C22H46	071005-15-7	91
3	Eicosane	282	C20H42	000112-95-8	90
4	Tetracosane	338	C24H50	000646-31-1	90
5	Pentacosane	352	C25H52	000629-99-2	86





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Acq On : 18 Apr 2016 13:26
Operator : UM/SJ
Sample : H2471-12
Misc :
ALS Vial : 73 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CDMSH10

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
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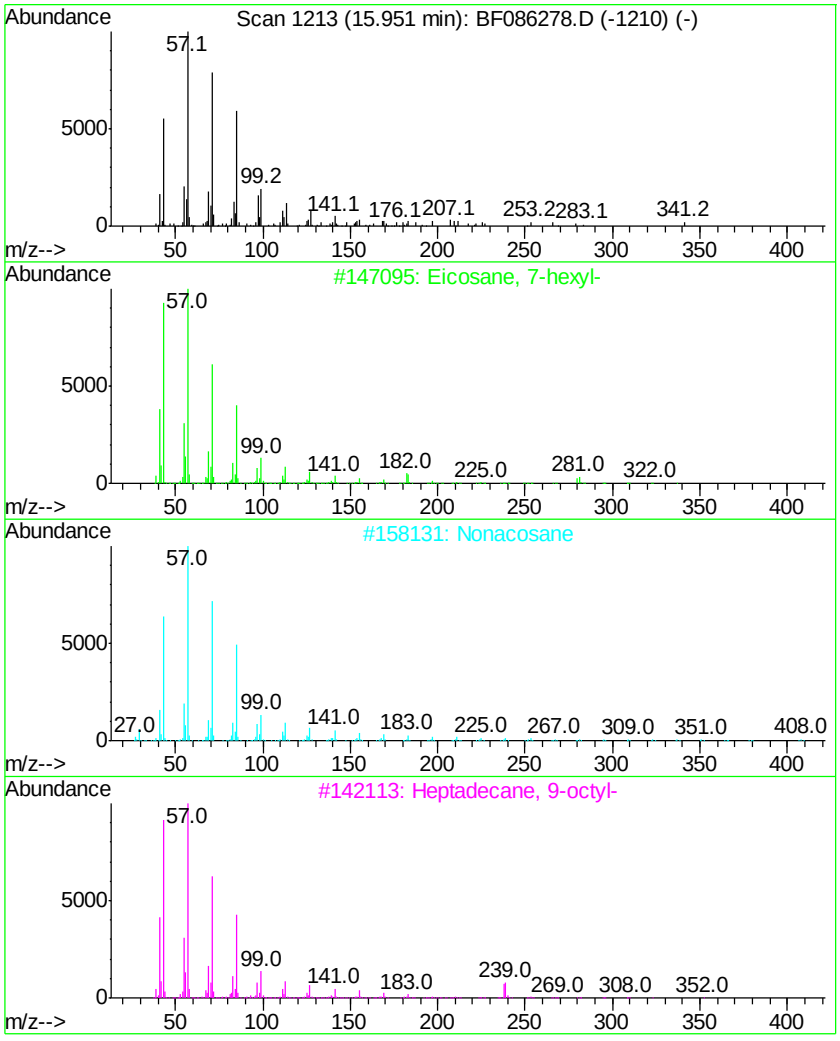
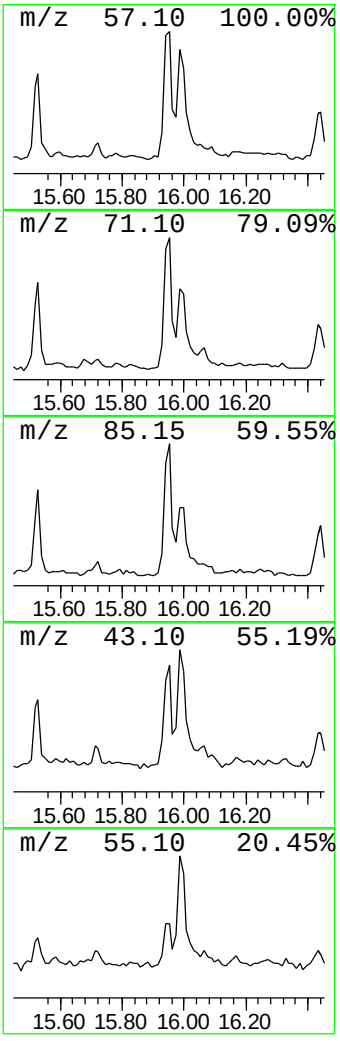
Peak Number 13 Eicosane, 7-hexyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.95	2.00 ng	208216	Perylene-d12	15.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane, 7-hexyl-	366	C26H54	055333-99-8	91
2	Nonacosane	408	C29H60	000630-03-5	91
3	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	91
4	Heptacosane	380	C27H56	000593-49-7	91
5	Octacosane	394	C28H58	000630-02-4	90





Data Path : Z:\HPCHEM1\BNA F\DATA\BF041816\
Data File : BF086278.D
Acq On : 18 Apr 2016 13:26
Operator : UM/SJ
Sample : H2471-12
Misc :
ALS Vial : 73 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CDMSH10

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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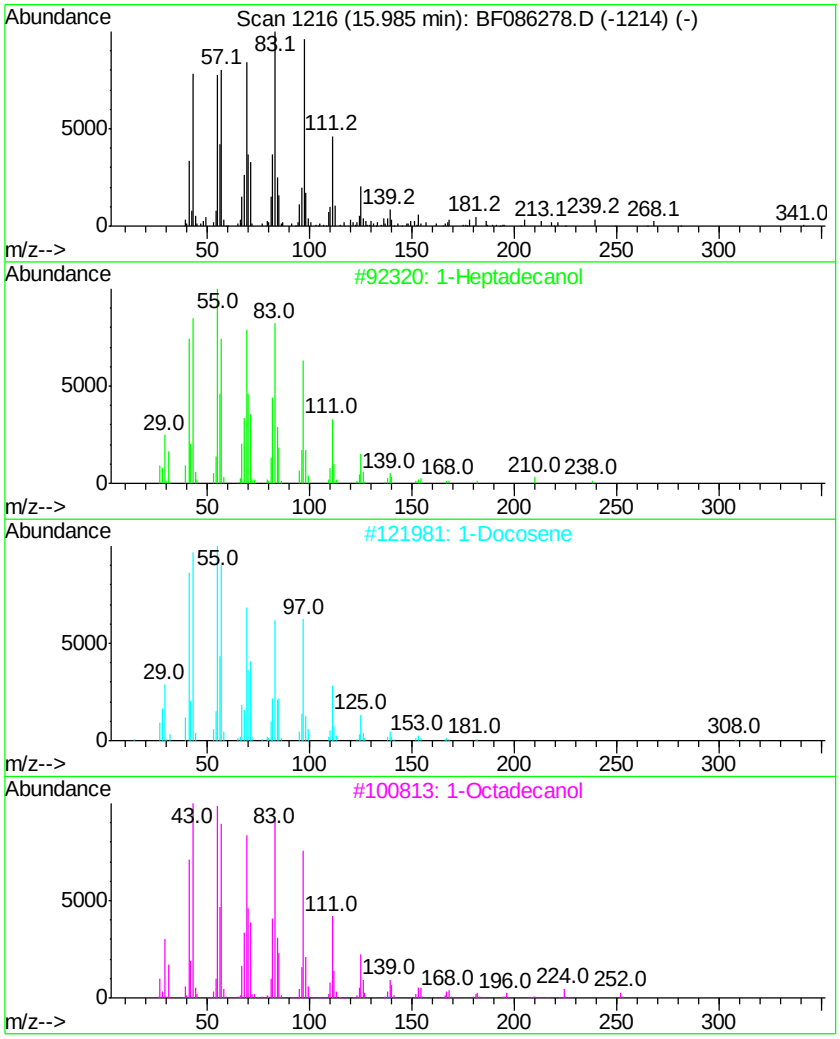
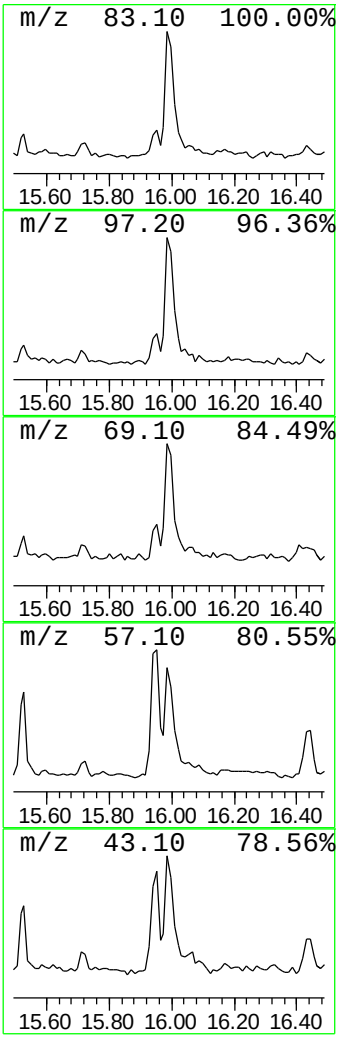
Peak Number 14 1-Heptadecanol Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.99	3.33 ng	345824	Perylene-d12	15.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Heptadecanol	256	C17H36O	001454-85-9	87
2	1-Docosene	308	C22H44	001599-67-3	74
3	1-Octadecanol	270	C18H38O	000112-92-5	70
4	Bromoacetic acid, pentadecyl ester	348	C17H33BrO2	131143-01-6	62
5	1-Hexadecanol	242	C16H34O	036653-82-4	58





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041816\
Data File : BF086278.D
Acq On : 18 Apr 2016 13:26
Operator : UM/SJ
Sample : H2471-12
Misc :
ALS Vial : 73 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CDMSH10

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Propane, 1,1-dime...	2.19	4.9	ng	547568	1	6.89	2219430	20.0
2-Pentanone, 4-hy...	5.09	4.6	ng	508132	1	6.89	2219430	20.0
Hexadecane	10.36	2.2	ng	359423	3	9.93	3255050	20.0
Tetracosane	10.83	3.1	ng	491004	4	11.41	3171630	20.0
n-Hexadecanoic acid	11.94	2.7	ng	432530	4	11.41	3171630	20.0
Hexadecanoic acid...	12.82	2.1	ng	290232	5	14.04	2756730	20.0
5-Eicosene, (E)-	13.89	17.2	ng	2368690	5	14.04	2756730	20.0
Heptadecane	14.52	3.4	ng	472712	5	14.04	2756730	20.0
Docosane	14.82	2.7	ng	281148	6	15.48	2080120	20.0
Heneicosane	15.15	3.2	ng	329478	6	15.48	2080120	20.0
Eicosane, 7-hexyl-	15.95	2.0	ng	208216	6	15.48	2080120	20.0
1-Heptadecanol	15.99	3.3	ng	345824	6	15.48	2080120	20.0