LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020516\
Data File : BF084896.D
Acq On : 6 Feb 2016 8:04
Operator : SJ/IZ
Sample : H1329-13
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S4-B010(5-7)

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-BF020116.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	4.818	236	239	248	rVB	805677	1470858	30.67%	3.448%
2	5.253	275	277	280	rBV	3394809	4796265	100.00%	11.242%
3	6.316	367	370	372	rBV	4042309	4408472	91.91%	10.333%
4	6.430	377	380	383	rVV	4720283	4439479	92.56%	10.406%
5	6.659	398	400	402	rBV	1329447	1082407	22.57%	2.537%
6	6.819	411	414	416	rBV	4244788	3985451	83.09%	9.342%
7	7.230	447	450	453	rBV	2700531	2919593	60.87%	6.843%
8	7.356	456	461	467	rBV	102092	196253	4.09%	0.460%
9	7.950	510	513	515	rBV	1242036	1345980	28.06%	3.155%
10	9.025	604	607	610	rBV	4223425	4617409	96.27%	10.823%
11	9.425	640	642	644	rBV	1644174	1348298	28.11%	3.160%
12	9.642	659	661	663	rBV	75431	63432	1.32%	0.149%
13	9.699	663	666	668	rVV	1386272	1414490	29.49%	3.316%
14	10.145	703	705	706	rVB	100405	91292	1.90%	0.214%
15	10.362	720	724	725	rBV	38829	51545	1.07%	0.121%
16	10.488	732	735	737	rBV	2252512	2741813	57.17%	6.427%
17	10.613	744	746	753	rVB	135861	159773	3.33%	0.375%
18	11.059	783	785	786	rBV	88913	77203	1.61%	0.181%
19	11.173	792	795	797	rBV	1510983	1296762	27.04%	3.040%
20	11.893	856	858	862	rVB2	46090	52074	1.09%	0.122%
21	12.373	899	900	903	rBV	49869	60358	1.26%	0.141%
22	12.602	917	920	922	rBV	258743	310995	6.48%	0.729%
23	12.671	925	926	931	rVB	70636	53956	1.12%	0.126%
24	12.762	931	934	936	rBV	2740504	2633613	54.91%	6.173%
25	13.299	979	981	983	rBV	207641	184661	3.85%	0.433%
26	13.676	1011	1014	1021	rBV	197672	367712	7.67%	0.862%
27	13.802	1022	1025	1027	rBV	1018091	955120	19.91%	2.239%
28	13.985	1039	1041	1048	rBV	34187	64960	1.35%	0.152%
29	14.294	1066	1068	1073	rBV	43236	71043	1.48%	0.167%
30	14.591	1089	1094	1096	rBV2	44910	95567	1.99%	0.224%
31	15.174	1142	1145	1147	rBV	734271	886209	18.48%	2.077%
32	15.654	1184	1187	1190	rBV3	25241	73565	1.53%	0.172%
33	16.020	1216	1219	1221	rBV2	25476	49823	1.04%	0.117%
34	17.117	1312	1315	1319	rBV2	27327	58229	1.21%	0.136%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020516\
Data File : BF084896.D
Acq On : 6 Feb 2016 8:04
Operator : SJ/IZ
Sample : H1329-13
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S4-B010(5-7)

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-BF020116.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	17.825	1373	1377	1385	rVB3	28351	90523	1.89%	0.212%
36	18.683	1446	1452	1458	rVB5	36787	147757	3.08%	0.346%

Sum of corrected areas: 42662940

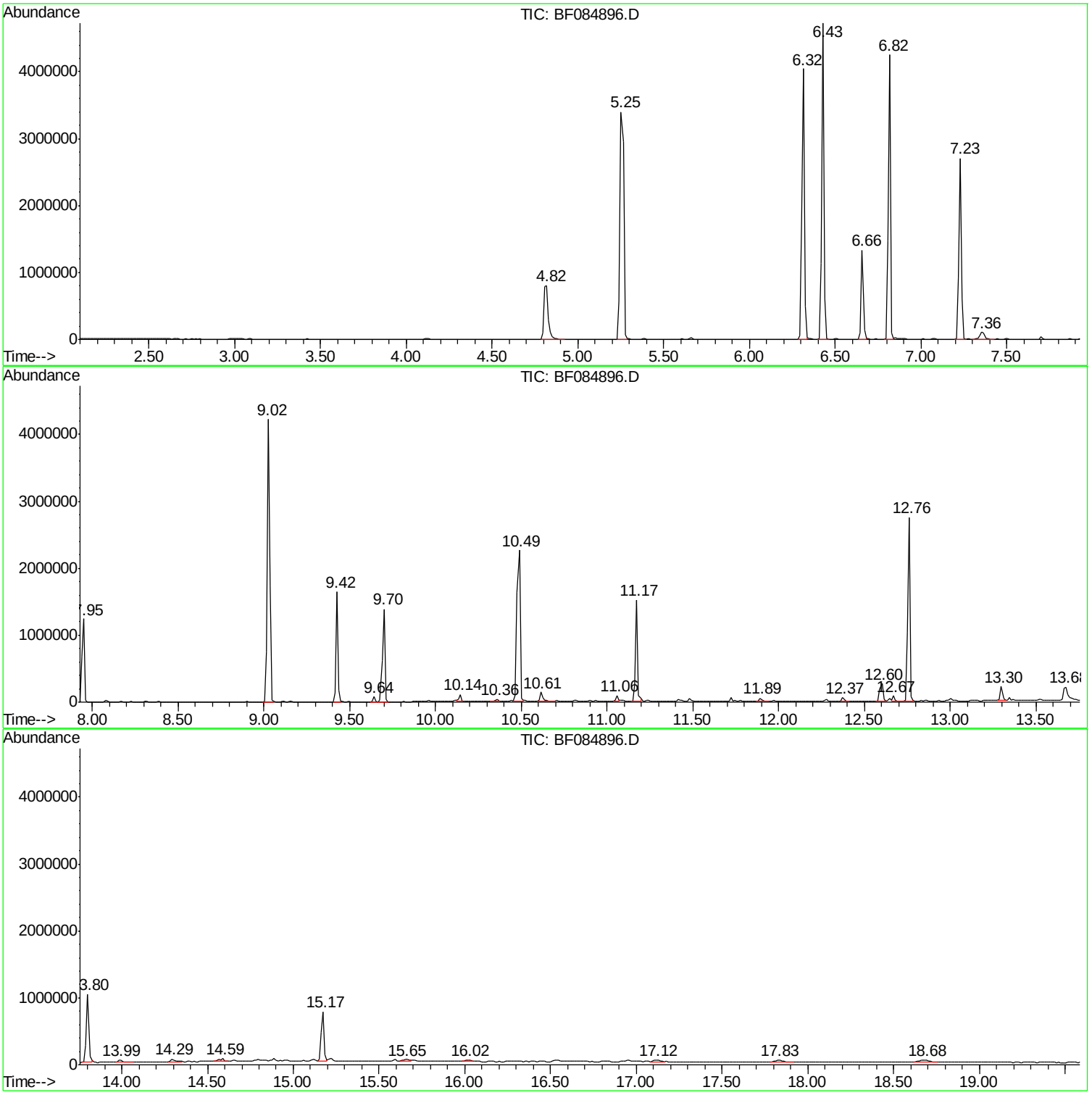
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020516\
Data File : BF084896.D
Acq On : 6 Feb 2016 8:04
Operator : SJ/IZ
Sample : H1329-13
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S4-B010(5-7)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA F\DATA\BF020516\
Data File : BF084896.D
Acq On : 6 Feb 2016 8:04
Operator : SJ/IZ
Sample : H1329-13
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S4-B010(5-7)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

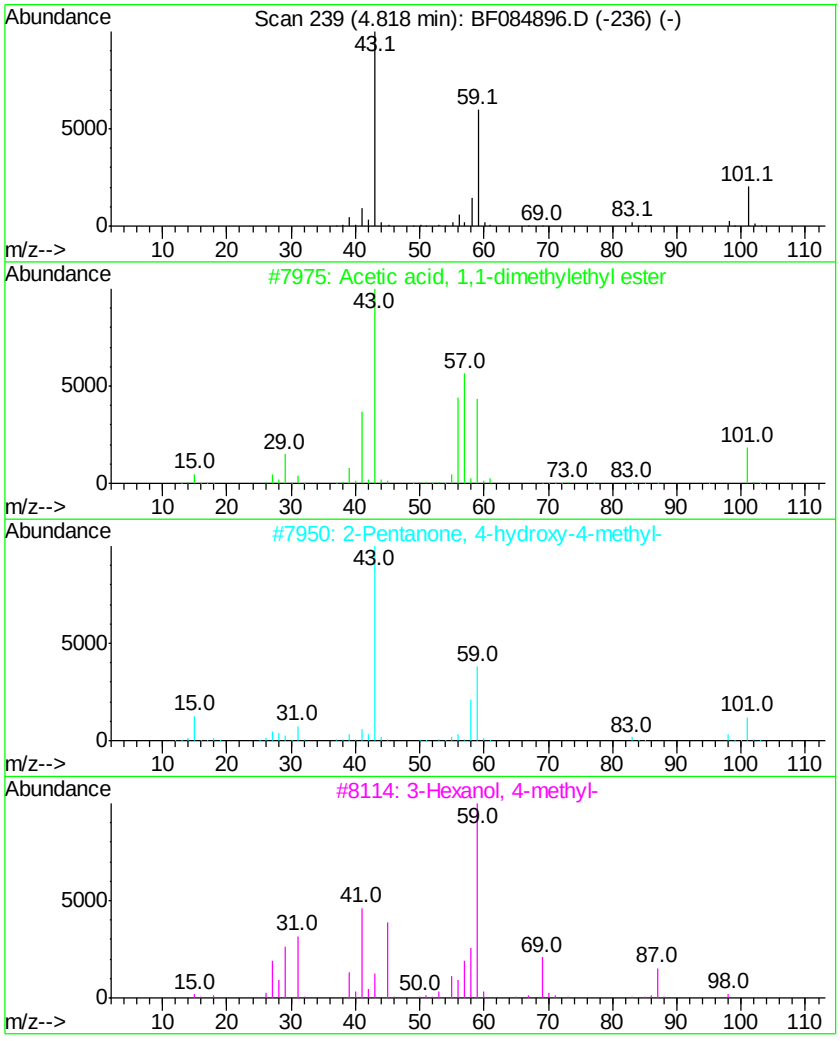
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

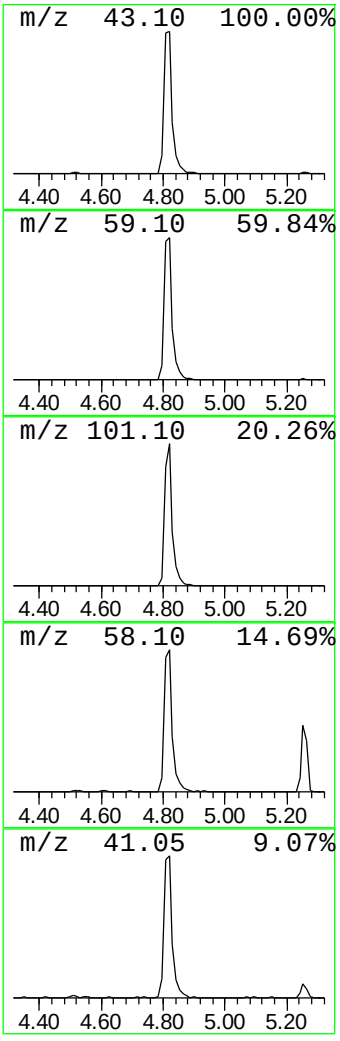
****

Peak Number 1 unknown4.82 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.82	27.18 ng	1470860	1,4-Dichlorobenzene-d4	6.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	39
2	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	38
3	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	28
4	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF020516\
Data File : BF084896.D
Acq On : 6 Feb 2016 8:04
Operator : SJ/IZ
Sample : H1329-13
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S4-B010(5-7)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

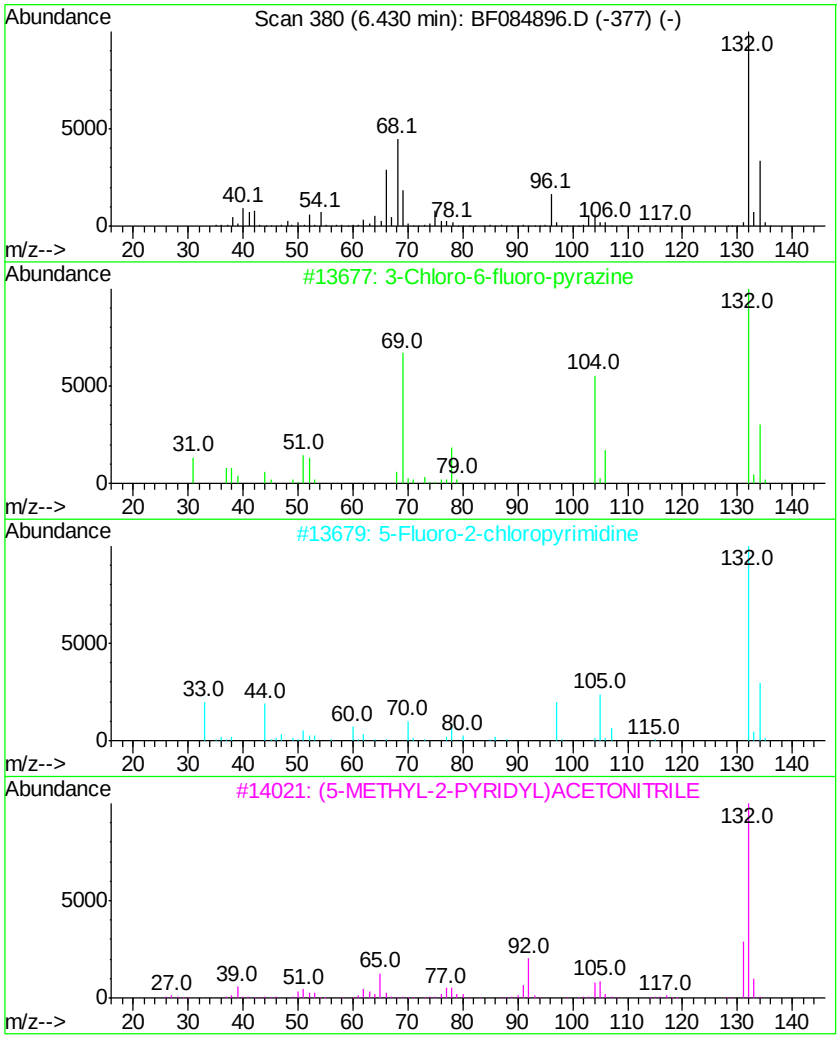
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

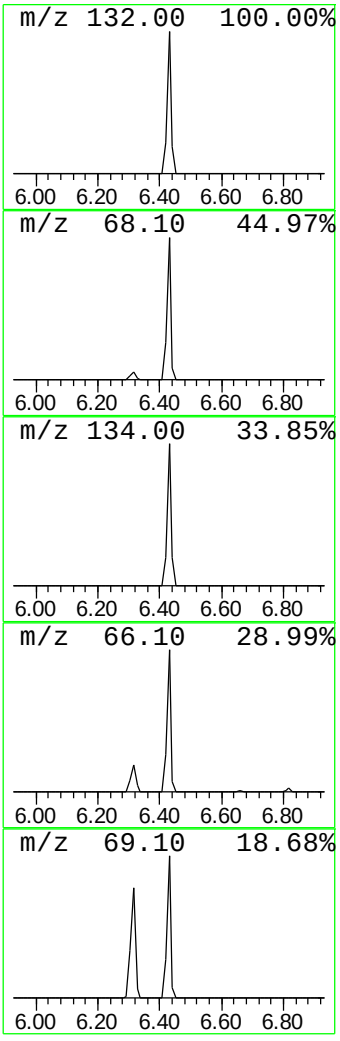
****

Peak Number 2 unknown6.43 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.43	82.03 ng	4439480	1,4-Dichlorobenzene-d4	6.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	35
2	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	16
3	(5-METHYL-2-PYRIDYL)ACETONITRILE	132	C8H8N2	1000241-93-9	10
4	Benzene, 1,2,4-trifluoro-	132	C6H3F3	000367-23-7	9
5	Benzene, 1,3,5-trifluoro-	132	C6H3F3	000372-38-3	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF020516\
Data File : BF084896.D
Acq On : 6 Feb 2016 8:04
Operator : SJ/IZ
Sample : H1329-13
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S4-B010(5-7)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

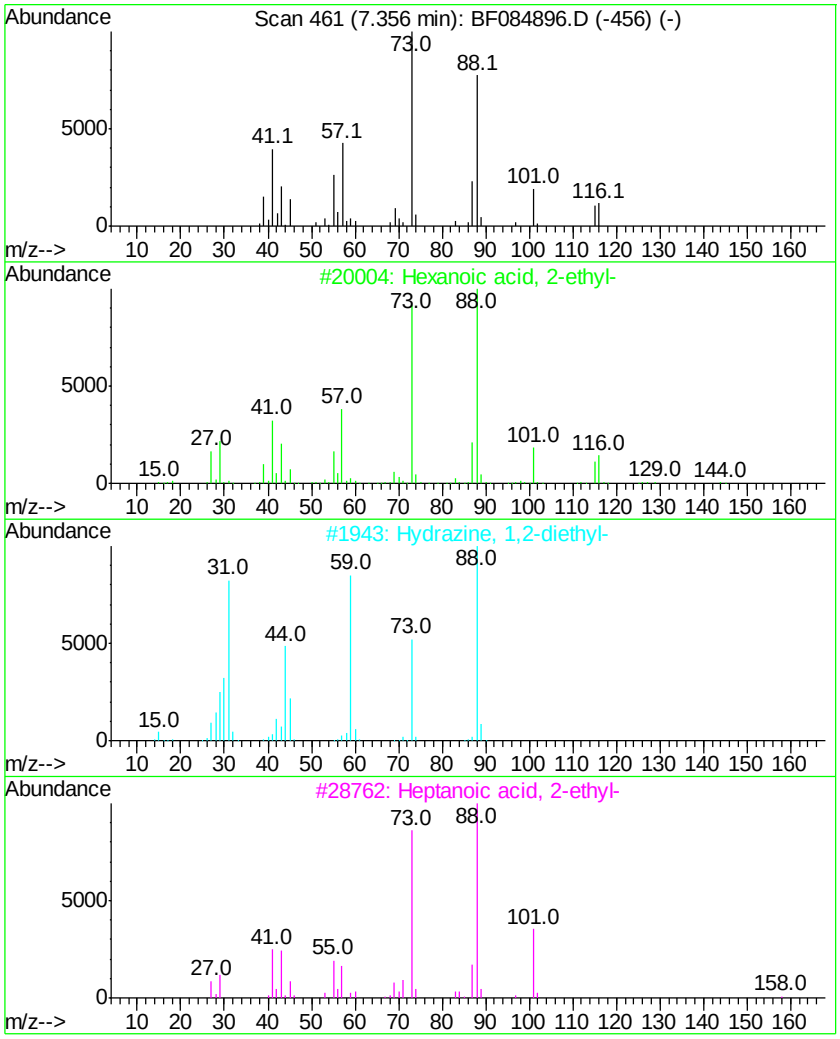
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

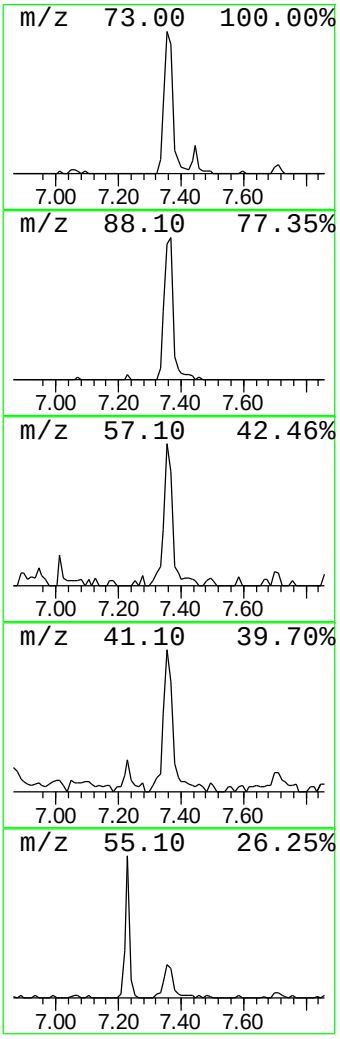
****

Peak Number 4 Hexanoic acid, 2-ethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.36	2.92 ng	196253	Naphthalene-d8	7.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanoic acid, 2-ethyl-	144	C8H16O2	000149-57-5	90
2	Hydrazine, 1,2-diethyl-	88	C4H12N2	001615-80-1	43
3	Heptanoic acid, 2-ethyl-	158	C9H18O2	003274-29-1	42
4	Butanoic acid, 2-ethyl-, 1,2,3-p...	386	C21H38O6	056554-54-2	42
5	Butanoic acid, 2-methyl-, methyl...	116	C6H12O2	000868-57-5	40





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020516\
Data File : BF084896.D
Acq On : 6 Feb 2016 8:04
Operator : SJ/IZ
Sample : H1329-13
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S4-B010(5-7)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

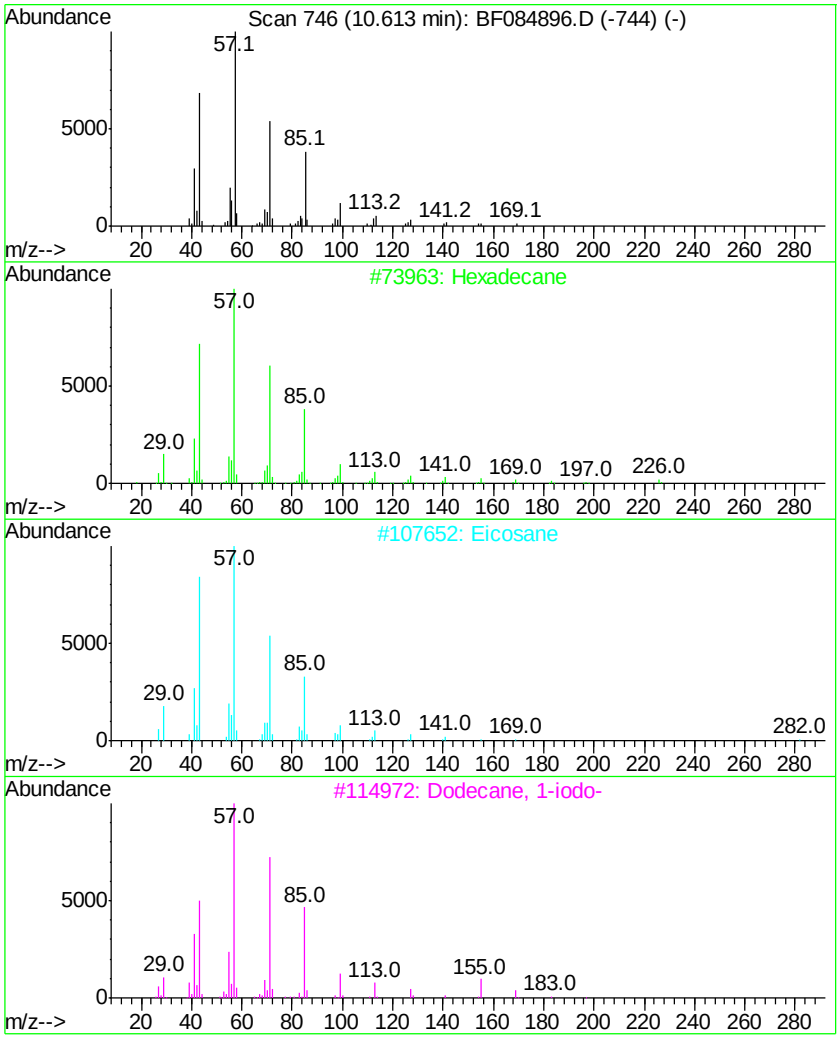
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

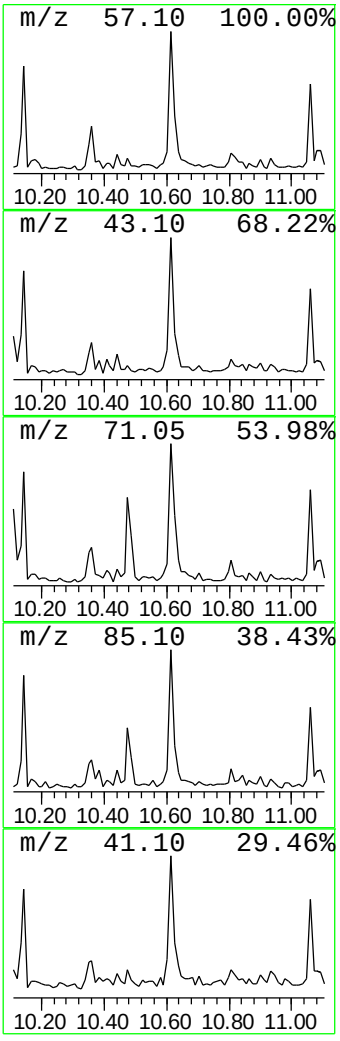
****

Peak Number 5 Hexadecane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.61	2.46 ng	159773	Phenanthrene-d10	11.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	90
2	Eicosane	282	C20H42	000112-95-8	74
3	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	72
4	Heptacosane	380	C27H56	000593-49-7	72
5	Nonane, 5-butyl-	184	C13H28	017312-63-9	64





Data Path : Z:\HPCHEM1\BNA F\DATA\BF020516\
Data File : BF084896.D
Acq On : 6 Feb 2016 8:04
Operator : SJ/IZ
Sample : H1329-13
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S4-B010(5-7)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

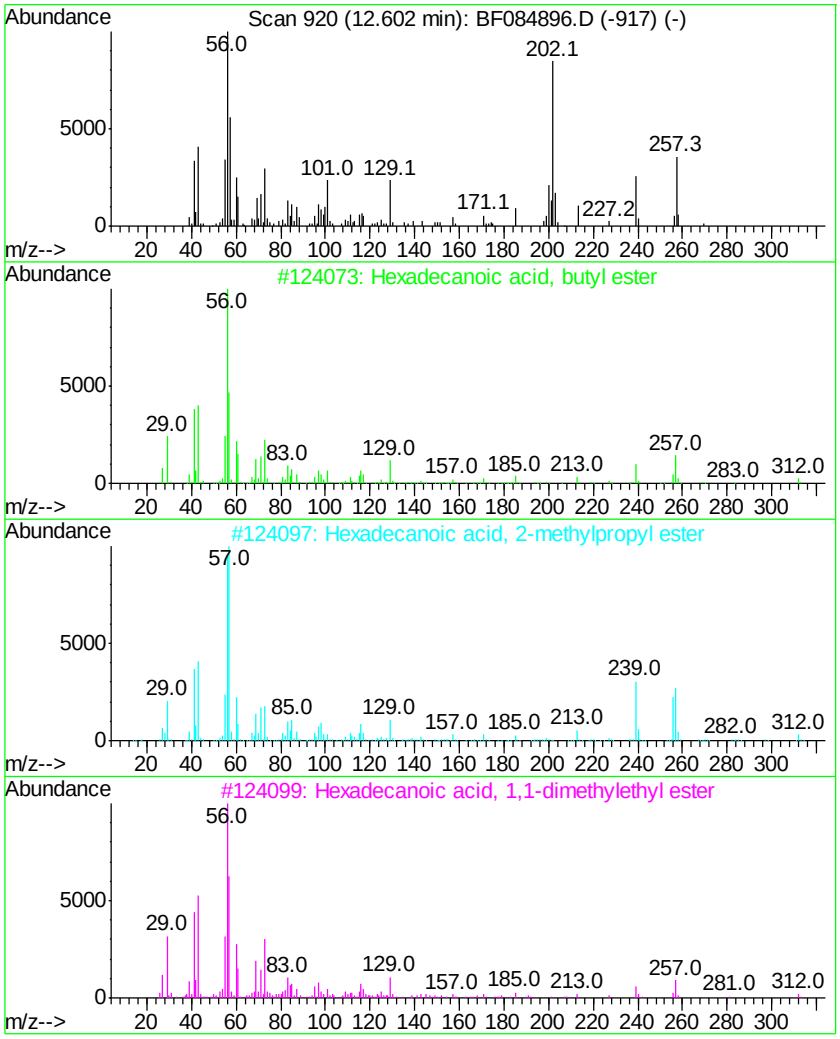
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

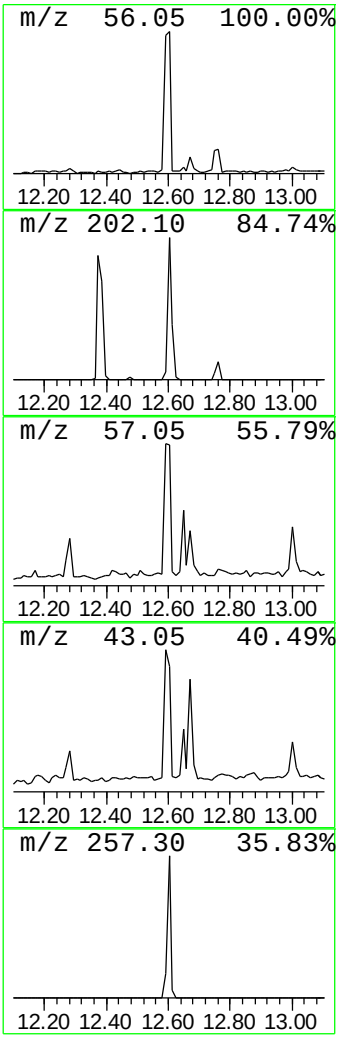
****

Peak Number 6 unknown12.60 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.60	6.51 ng	310995	Chrysene-d12	13.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecanoic acid, butyl ester	312	C20H40O2	000111-06-8	43
2	Hexadecanoic acid, 2-methylpropy...	312	C20H40O2	000110-34-9	43
3	Hexadecanoic acid, 1,1-dimethyle...	312	C20H40O2	031158-91-5	38
4	Fluoranthene	202	C16H10	000206-44-0	35
5	n-Butyl laurate	256	C16H32O2	000106-18-3	35





Data Path : Z:\HPCHEM1\BNA F\DATA\BF020516\
Data File : BF084896.D
Acq On : 6 Feb 2016 8:04
Operator : SJ/IZ
Sample : H1329-13
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S4-B010(5-7)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.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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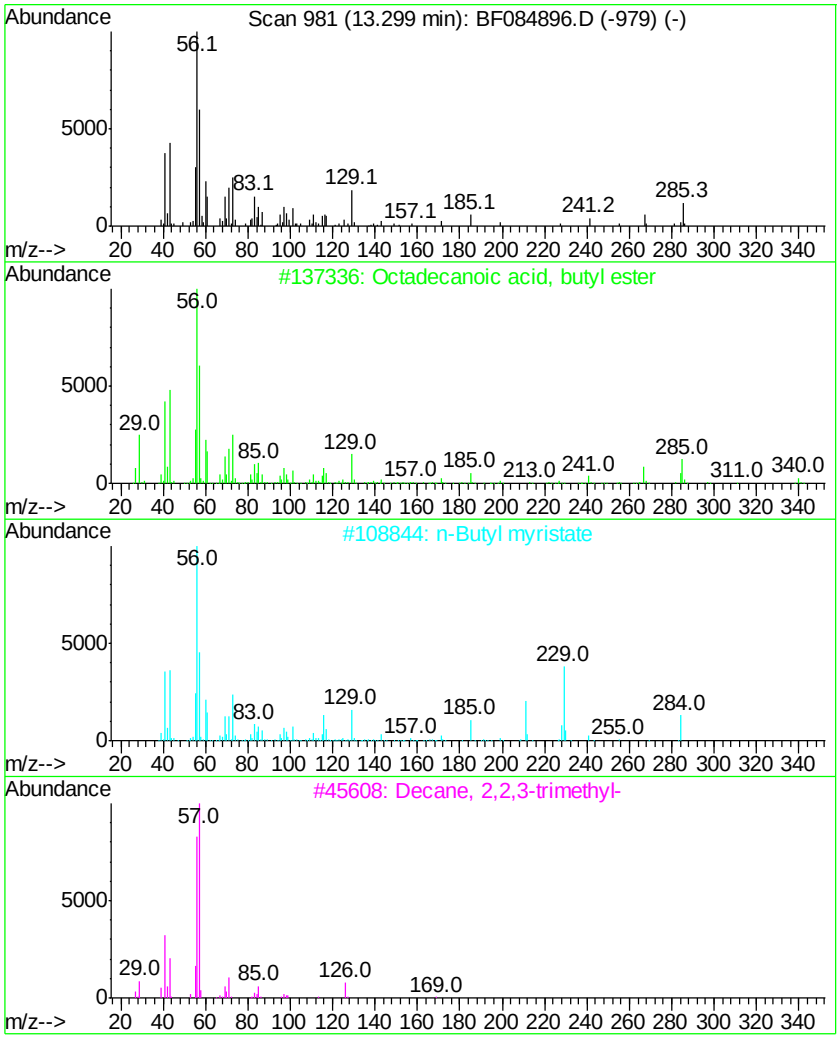
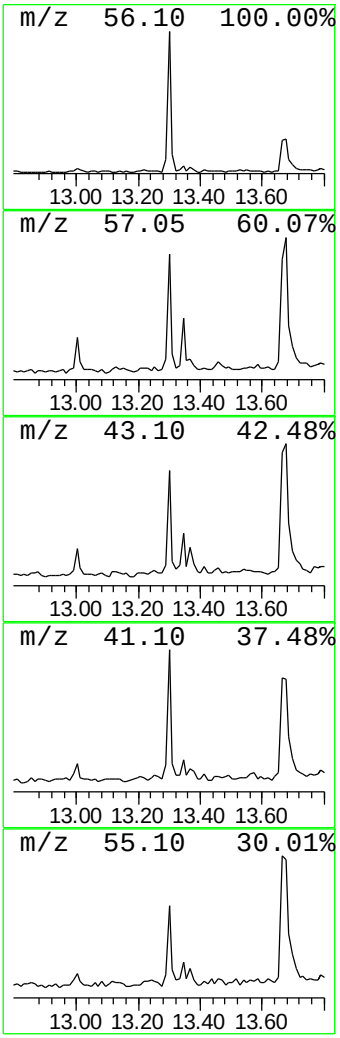
Peak Number 7 Octadecanoic acid, butyl ester Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.30	3.87 ng	184661	Chrysene-d12	13.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid, butyl ester	340	C22H44O2	000123-95-5	90
2	n-Butyl myristate	284	C18H36O2	000110-36-1	80
3	Decane, 2,2,3-trimethyl-	184	C13H28	062338-09-4	43
4	Pentadecane, 8-methylene-	224	C16H32	055668-09-2	37
5	1-[N-Aziridyl]heptene-3	139	C9H17N	1000255-07-6	35





Data Path : Z:\HPCHEM1\BNA F\DATA\BF020516\
Data File : BF084896.D
Acq On : 6 Feb 2016 8:04
Operator : SJ/IZ
Sample : H1329-13
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S4-B010(5-7)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.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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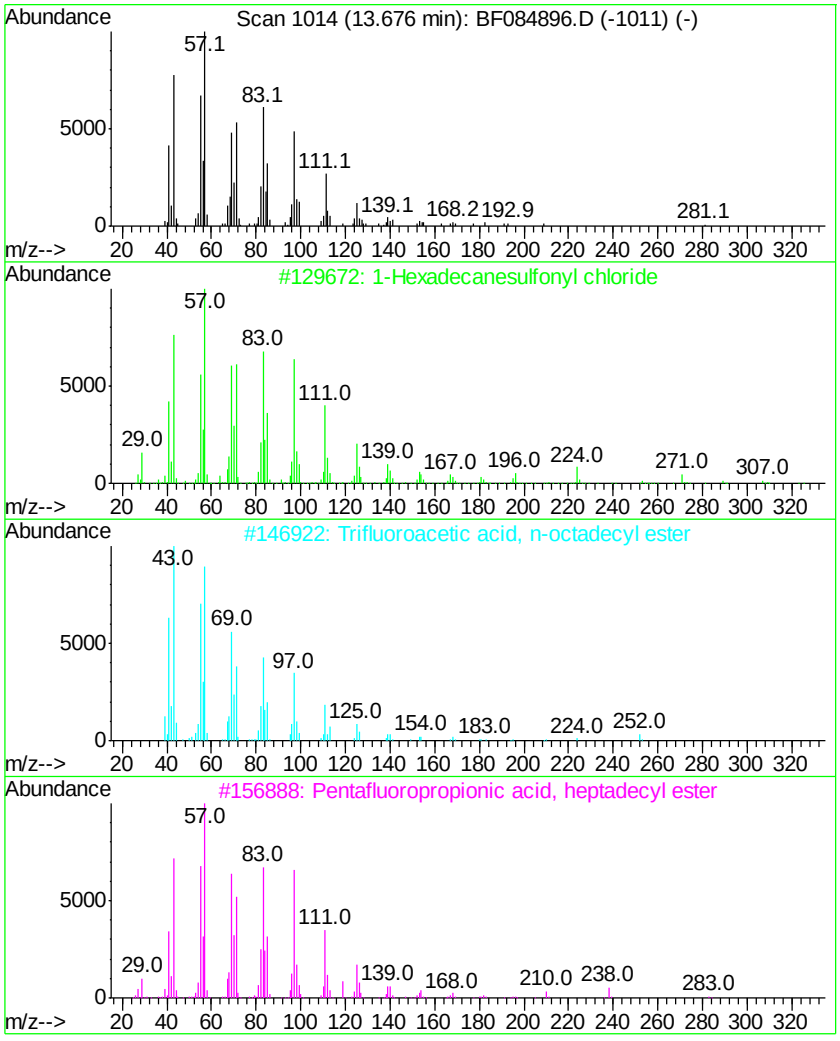
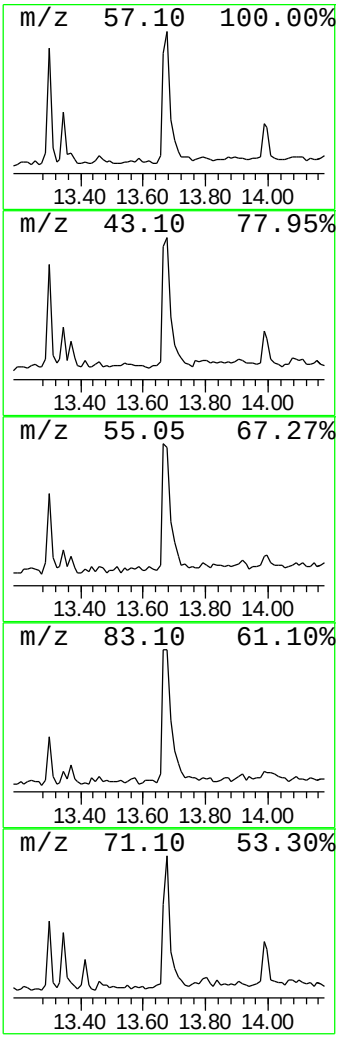
Peak Number 8 1-Hexadecanesulfonyl chloride Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.68	7.70 ng	367712	Chrysene-d12	13.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexadecanesulfonyl chloride	324	C16H33ClO2S	038775-38-1	91
2	Trifluoroacetic acid, n-octadecy...	366	C20H37F3O2	079392-43-1	91
3	Pentafluoropropionic acid, hepta...	402	C20H35F5O2	1000283-04-2	91
4	Heptafluorobutyric acid, n-octad...	466	C22H37F7O2	000400-57-7	91
5	Ethanol, 2-(tetradecyloxy)-	258	C16H34O2	002136-70-1	90





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Acq On : 6 Feb 2016 8:04
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ALS Vial : 41 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S4-B010(5-7)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.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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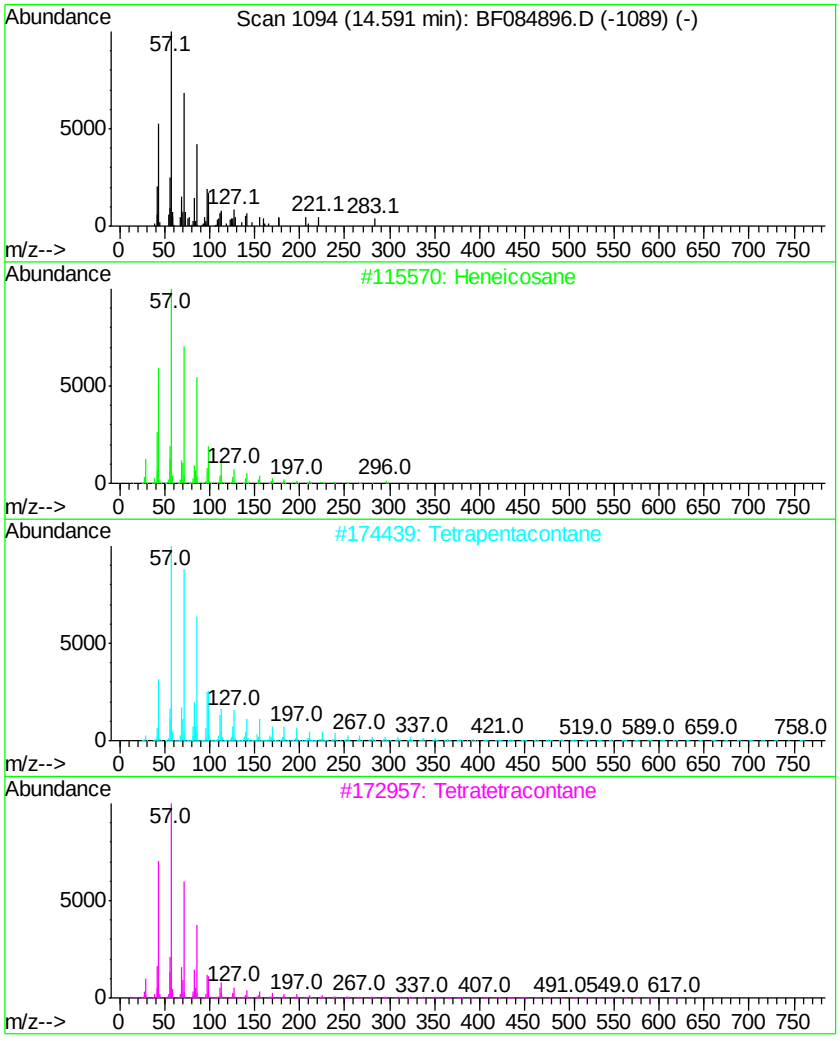
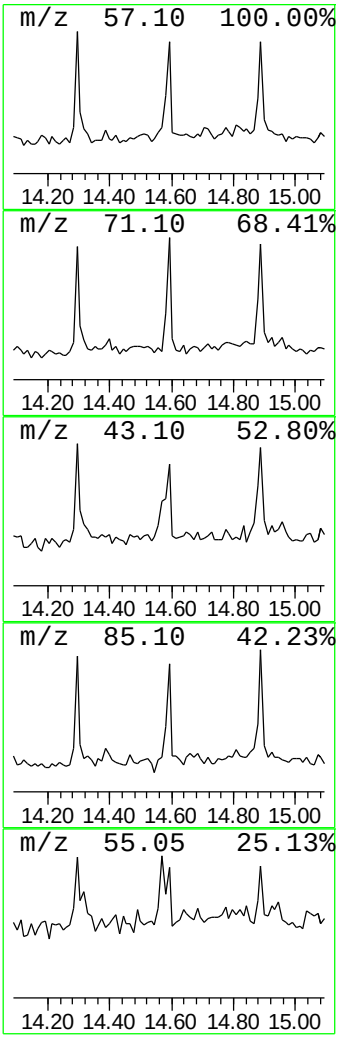
Peak Number 9 Heneicosane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.59	2.16 ng	95567	Perylene-d12	15.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	64
2	Tetrapentacontane	759	C54H110	005856-66-6	64
3	Tetratetracontane	619	C44H90	007098-22-8	64
4	Tetratriacontane	479	C34H70	014167-59-0	59
5	Heptacosane	380	C27H56	000593-49-7	59





Data Path : Z:\HPCHEM1\BNA F\DATA\BF020516\
Data File : BF084896.D
Acq On : 6 Feb 2016 8:04
Operator : SJ/IZ
Sample : H1329-13
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S4-B010(5-7)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.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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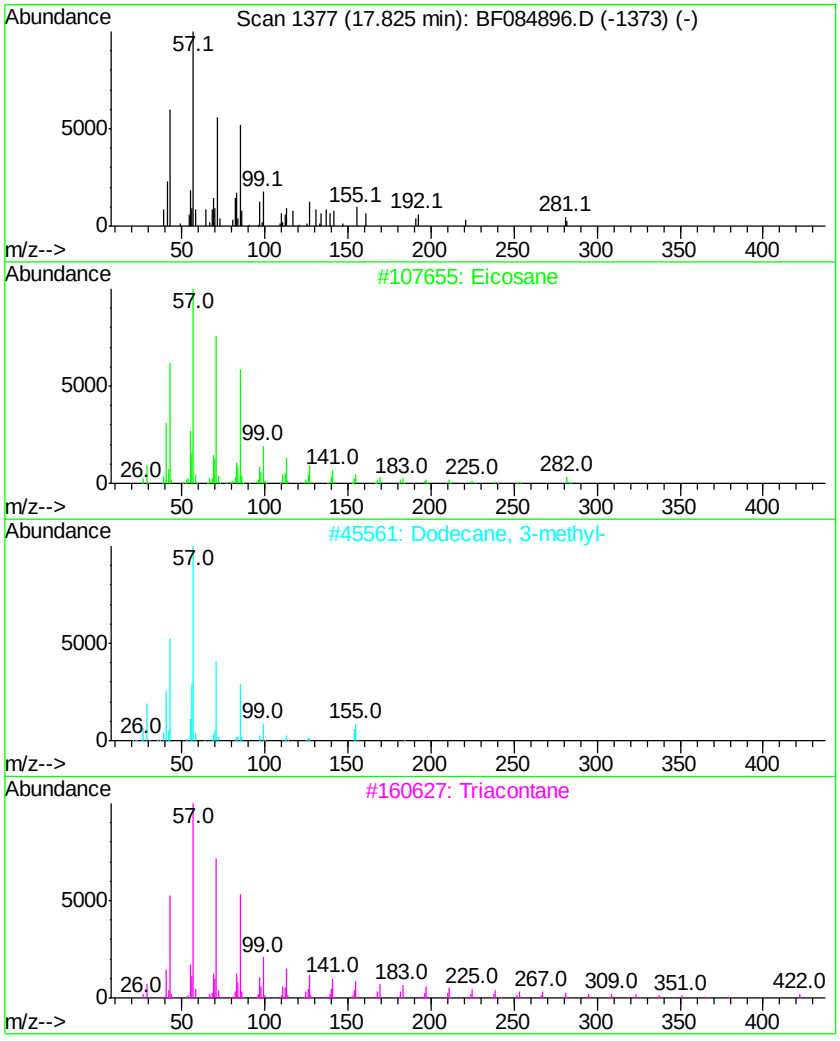
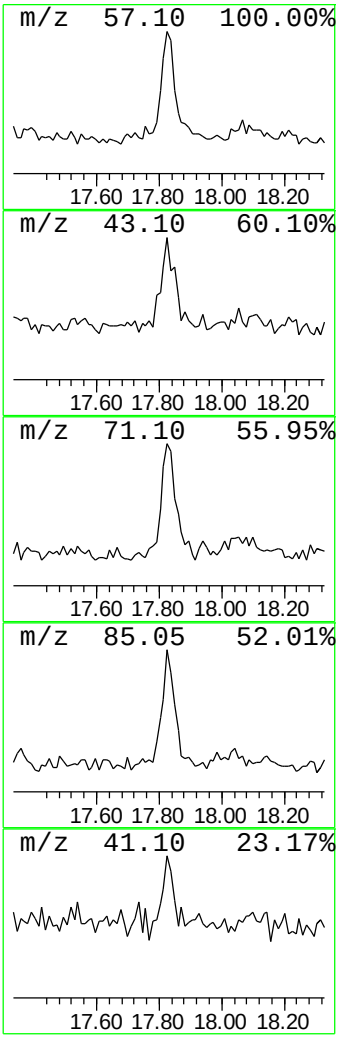
Peak Number 10 Eicosane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.83	2.04 ng	90523	Perylene-d12	15.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	83
2	Dodecane, 3-methyl-	184	C13H28	017312-57-1	72
3	Triacontane	422	C30H62	000638-68-6	72
4	Octadecane, 1-iodo-	380	C18H37I	000629-93-6	72
5	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	72





Data Path : Z:\HPCHEM1\BNA F\DATA\BF020516\
Data File : BF084896.D
Acq On : 6 Feb 2016 8:04
Operator : SJ/IZ
Sample : H1329-13
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S4-B010(5-7)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

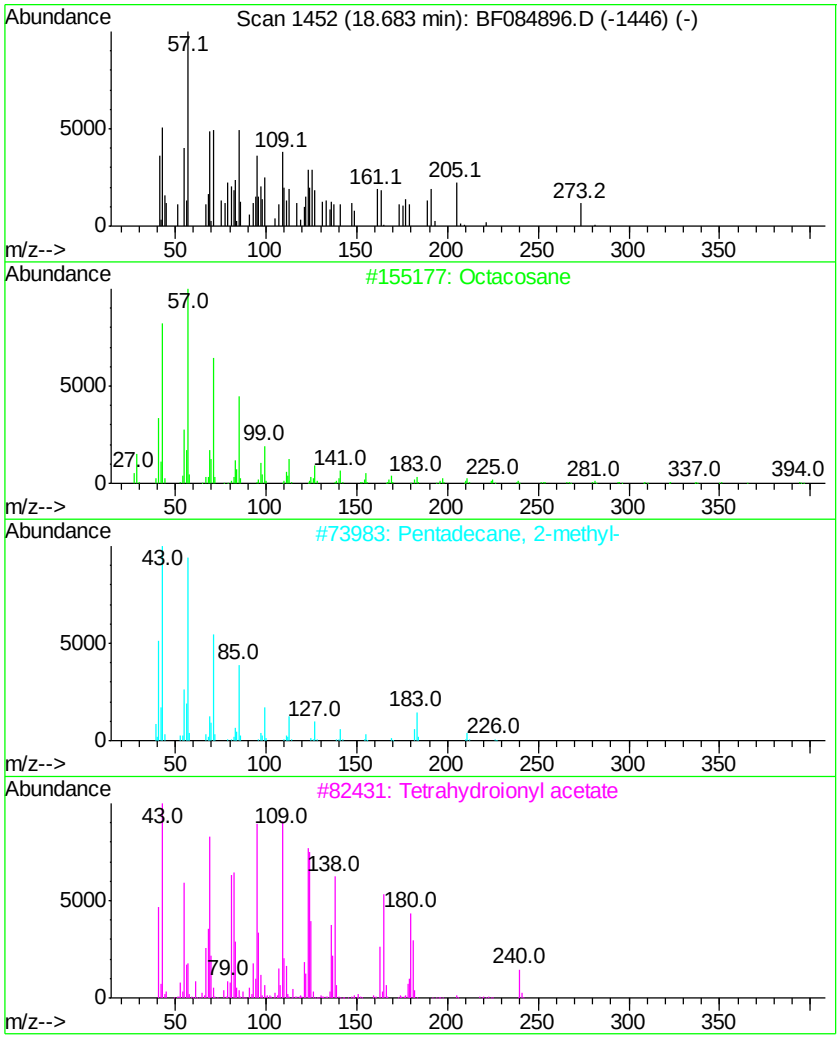
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

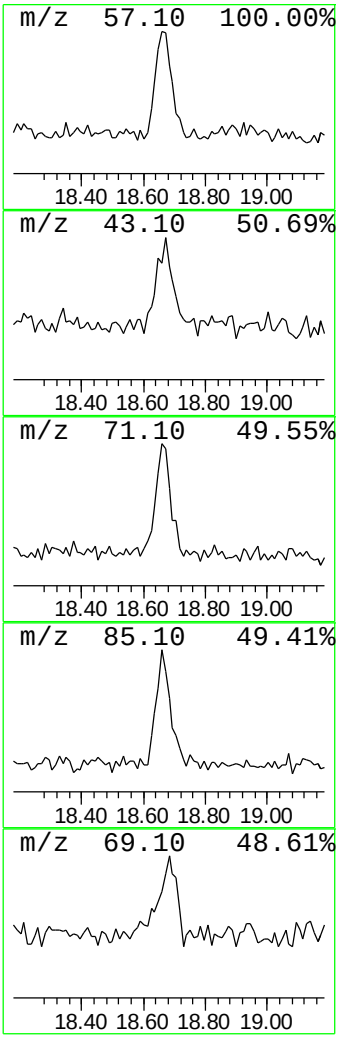
****

Peak Number 11 unknown18.68 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.68	3.33 ng	147757	Perylene-d12	15.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octacosane	394	C28H58	000630-02-4	22
2	Pentadecane, 2-methyl-	226	C16H34	001560-93-6	22
3	Tetrahydroionyl acetate	240	C15H28O2	068555-59-9	22
4	Cyclohexanol, 3-(aminomethyl)-3,...	171	C10H21NO	015647-11-7	14
5	Hentriacontane	437	C31H64	000630-04-6	12





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020516\
Data File : BF084896.D
Acq On : 6 Feb 2016 8:04
Operator : SJ/IZ
Sample : H1329-13
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S4-B010(5-7)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.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
unknown4.82	4.82	27.2	ng	1470860	1	6.66	1082410	20.0
unknown6.43	6.43	82.0	ng	4439480	1	6.66	1082410	20.0
Hexanoic acid, 2-...	7.36	2.9	ng	196253	2	7.95	1345980	20.0
Hexadecane	10.61	2.5	ng	159773	4	11.17	1296760	20.0
unknown12.60	12.60	6.5	ng	310995	5	13.80	955120	20.0
Octadecanoic acid...	13.30	3.9	ng	184661	5	13.80	955120	20.0
1-Hexadecanesulfo...	13.68	7.7	ng	367712	5	13.80	955120	20.0
Heneicosane	14.59	2.2	ng	95567	6	15.17	886209	20.0
Eicosane	17.83	2.0	ng	90523	6	15.17	886209	20.0
unknown18.68	18.68	3.3	ng	147757	6	15.17	886209	20.0