LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122216\
Data File : BF091891.D
Acq On : 22 Dec 2016 17:35
Operator : UM/SJ
Sample : H6156-22
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-11A

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-BF122116.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	4.910	245	247	250	rBV	410007	558435	11.46%	1.700%
2	5.401	287	290	299	rBV	1772807	2116520	43.45%	6.443%
3	6.407	376	378	379	rBV	151178	187777	3.85%	0.572%
4	6.453	379	382	384	rVV	1024028	1301762	26.72%	3.963%
5	6.544	387	390	392	rBV	3548588	3896373	79.99%	11.861%
6	6.750	405	408	410	rBV	1016811	884244	18.15%	2.692%
7	6.910	419	422	424	rVB	3801461	3605354	74.02%	10.975%
8	7.322	455	458	460	rBV	2595889	2736193	56.17%	8.330%
9	7.459	466	470	473	rVB2	48115	76206	1.56%	0.232%
10	8.042	518	521	523	rBV	872642	1164047	23.90%	3.544%
11	8.270	538	541	542	rBV	135491	194931	4.00%	0.593%
12	8.293	542	543	545	rVB	203513	151816	3.12%	0.462%
13	9.116	612	615	617	rBV	4972481	4871000	100.00%	14.828%
14	9.196	620	622	625	rVB2	79600	87026	1.79%	0.265%
15	9.722	666	668	670	rBV	62847	77678	1.59%	0.236%
16	9.790	670	674	676	rBV2	1354416	1547964	31.78%	4.712%
17	10.225	708	712	714	rBV2	108639	134552	2.76%	0.410%
18	10.579	740	743	746	rBV2	1873513	2411232	49.50%	7.340%
19	10.693	751	753	755	rBV	79173	106969	2.20%	0.326%
20	11.139	791	792	794	rVB	48162	61655	1.27%	0.188%
21	11.265	801	803	806	rBV	814694	1010497	20.75%	3.076%
22	11.574	827	830	831	rBV	51906	56683	1.16%	0.173%
23	11.974	863	865	867	rBV	49220	52142	1.07%	0.159%
24	12.682	925	927	930	rBV	199378	182478	3.75%	0.556%
25	12.762	930	934	937	rVB2	64433	91486	1.88%	0.279%
26	12.854	939	942	945	rBV	2926865	3466343	71.16%	10.552%
27	13.391	987	989	991	rBV	131341	142762	2.93%	0.435%
28	13.437	991	993	996	rVB2	35591	65610	1.35%	0.200%
29	13.905	1031	1034	1036	rBV	826892	859133	17.64%	2.615%
30	15.300	1153	1156	1159	rBV	482385	750272	15.40%	2.284%

Sum of corrected areas: 32849140

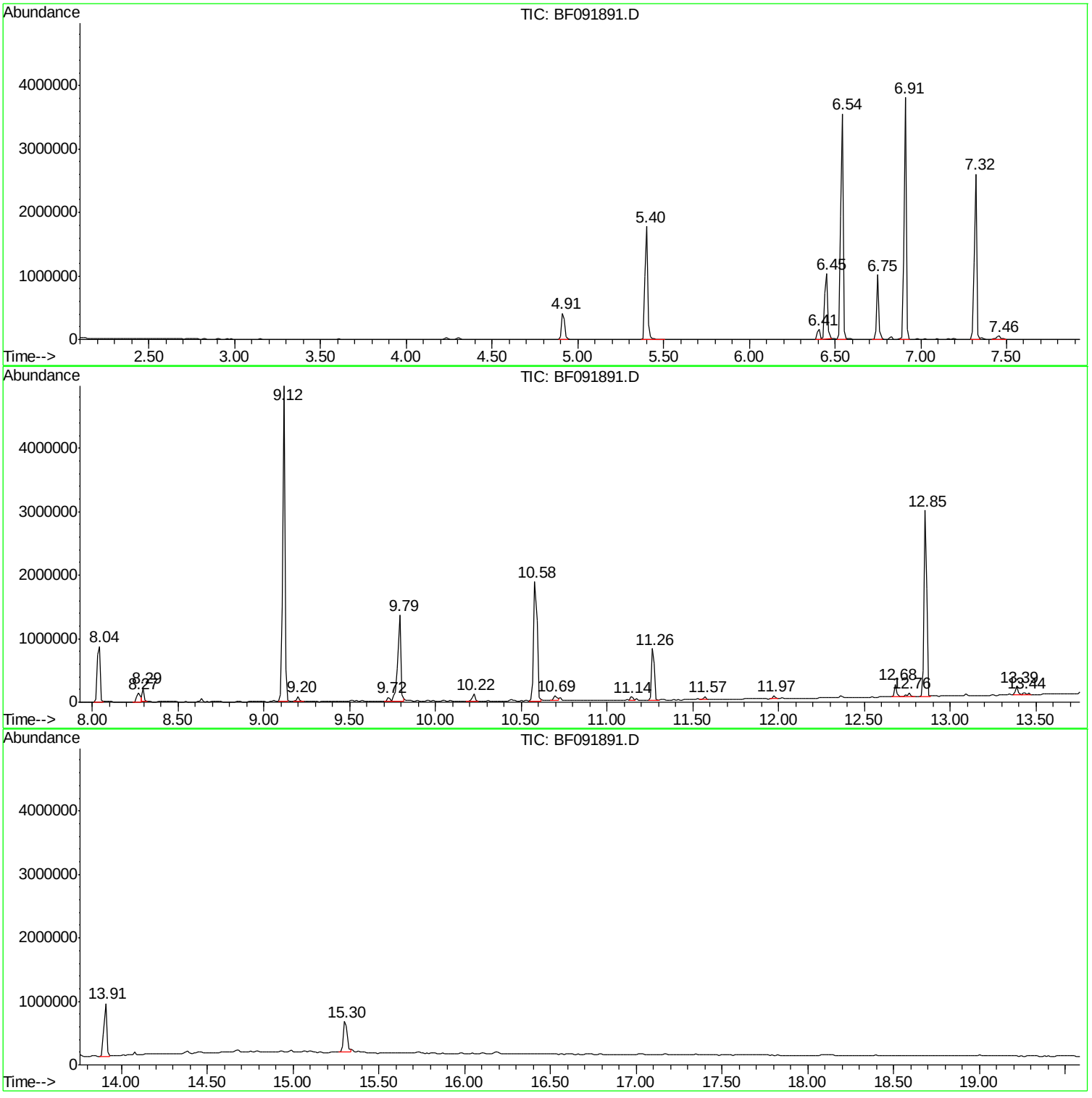
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122216\
Data File : BF091891.D
Acq On : 22 Dec 2016 17:35
Operator : UM/SJ
Sample : H6156-22
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-11A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.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\BF122216\
Data File : BF091891.D
Acq On : 22 Dec 2016 17:35
Operator : UM/SJ
Sample : H6156-22
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-11A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

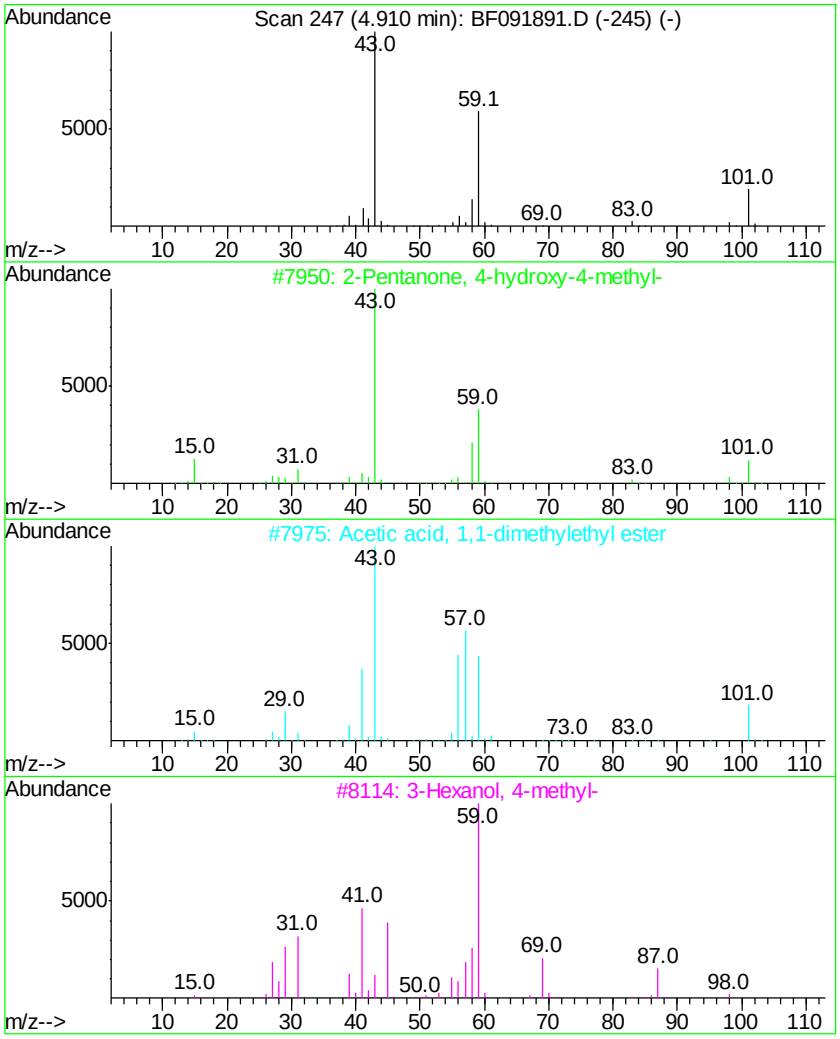
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

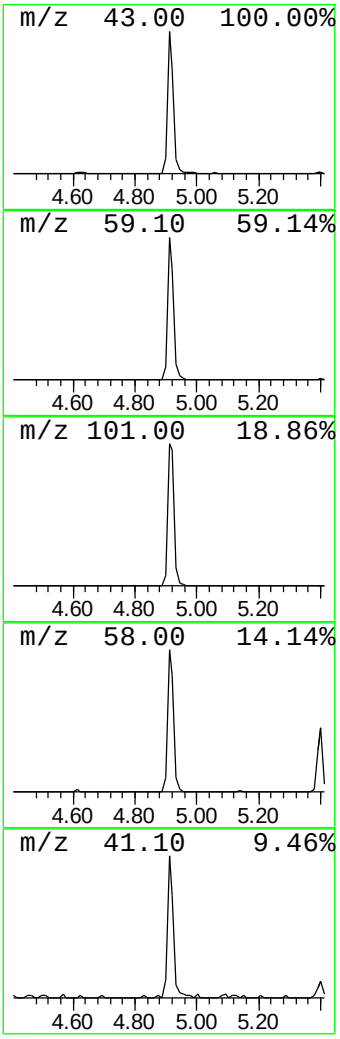
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.91	12.63 ng	558435	1,4-Dichlorobenzene-d4	6.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	39
3	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
4	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	32
5	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF122216\
Data File : BF091891.D
Acq On : 22 Dec 2016 17:35
Operator : UM/SJ
Sample : H6156-22
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-11A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

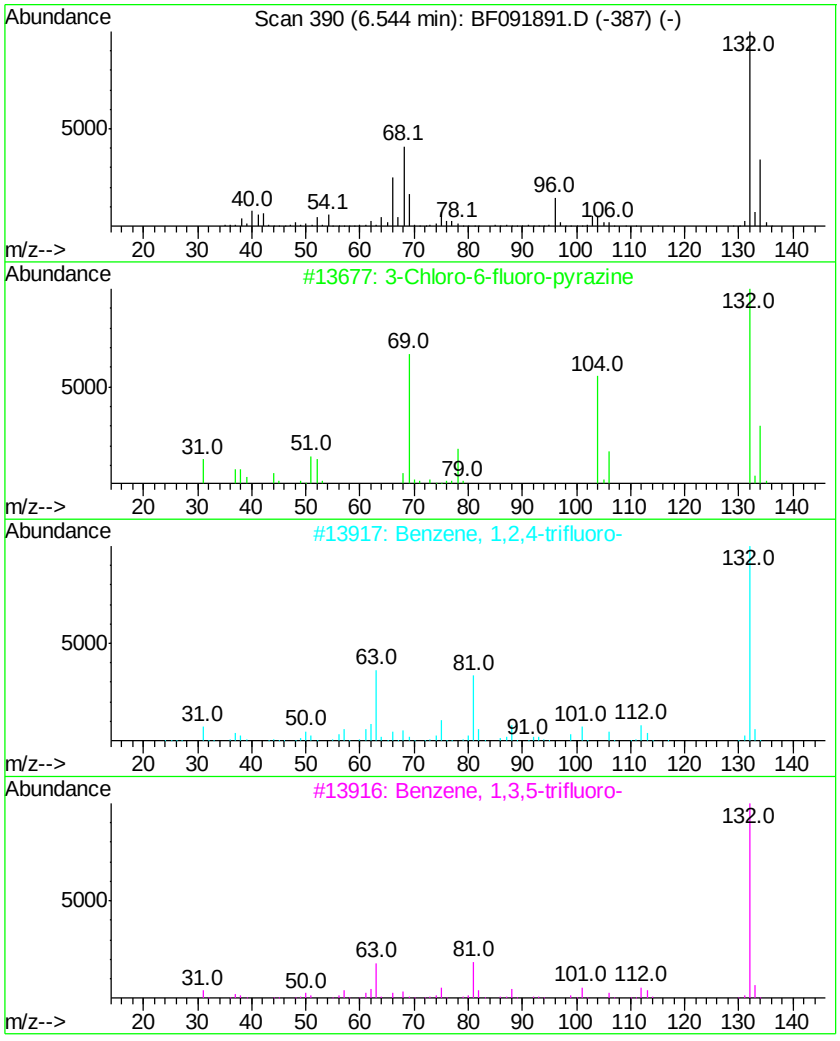
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

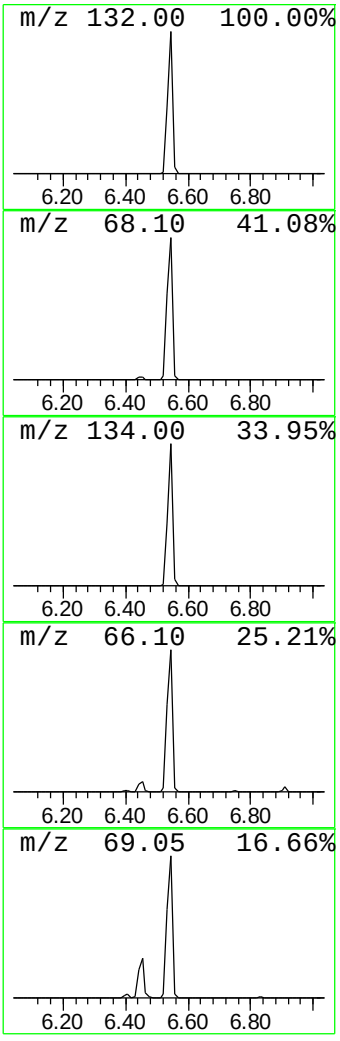
****

Peak Number 2 unknown6.54 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.54	88.13 ng	3896370	1,4-Dichlorobenzene-d4	6.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16
2	Benzene, 1,2,4-trifluoro-	132	C6H3F3	000367-23-7	9
3	Benzene, 1,3,5-trifluoro-	132	C6H3F3	000372-38-3	9
4	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF122216\
Data File : BF091891.D
Acq On : 22 Dec 2016 17:35
Operator : UM/SJ
Sample : H6156-22
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-11A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

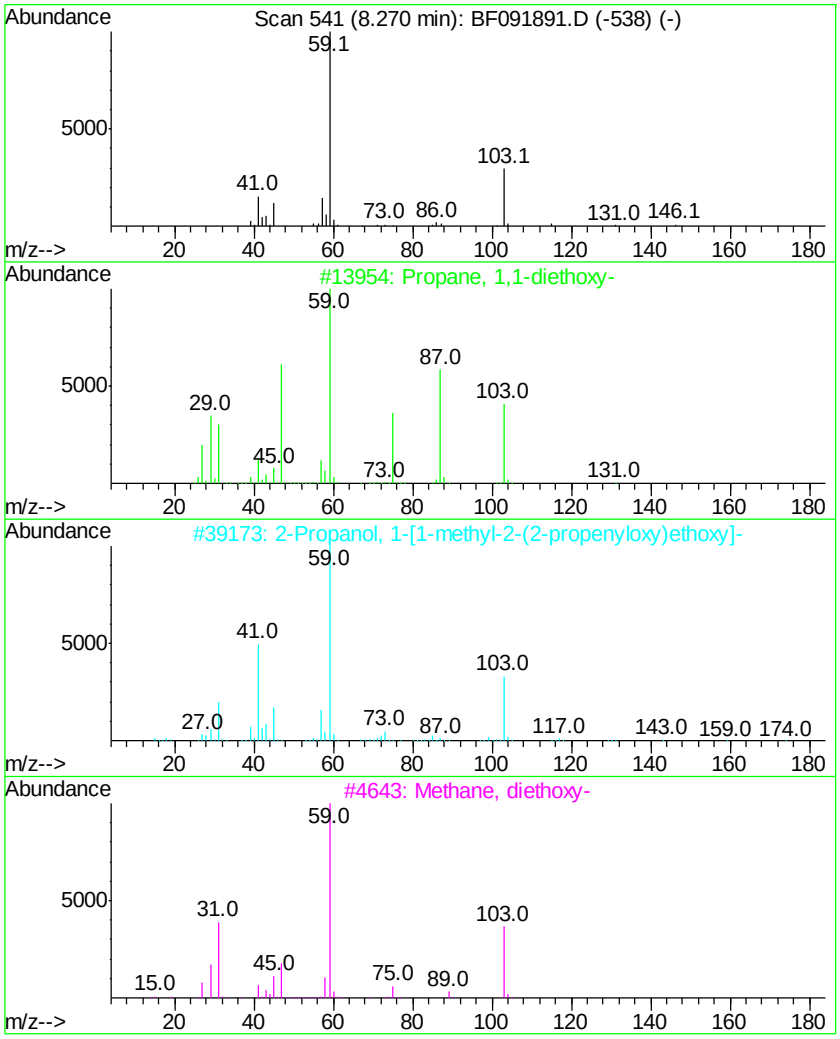
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

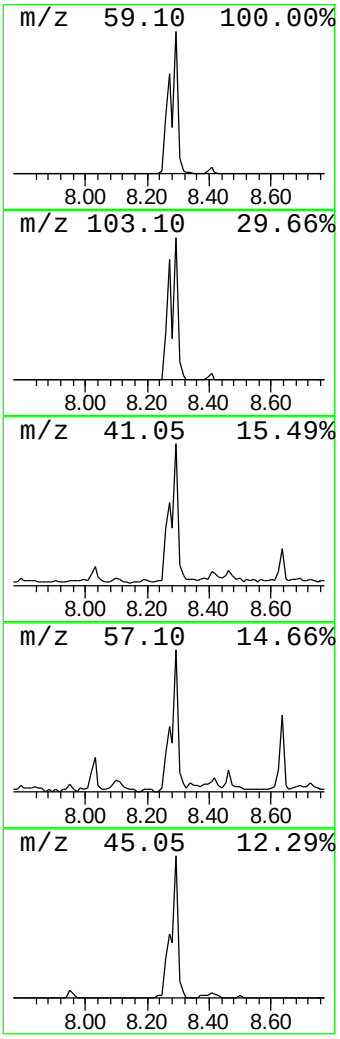
****

Peak Number 4 Propane, 1,1-diethoxy- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.27	3.35 ng	194931	Naphthalene-d8	8.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane, 1,1-diethoxy-	132	C7H16O2	004744-08-5	78
2	2-Propanol, 1-[1-methyl-2-(2-pro...	174	C9H18O3	055956-25-7	74
3	Methane, diethoxy-	104	C5H12O2	000462-95-3	72
4	1-Propanol, 2-(2-hydroxypropoxy)-	134	C6H14O3	000106-62-7	72
5	1-Propanol, 2,2'-oxybis-	134	C6H14O3	000108-61-2	56





Data Path : Z:\HPCHEM1\BNA F\DATA\BF122216\
Data File : BF091891.D
Acq On : 22 Dec 2016 17:35
Operator : UM/SJ
Sample : H6156-22
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-11A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

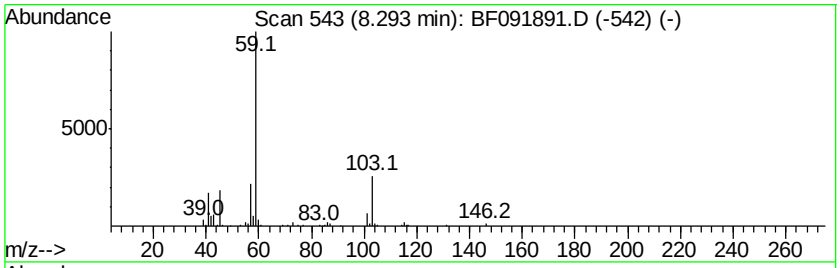
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

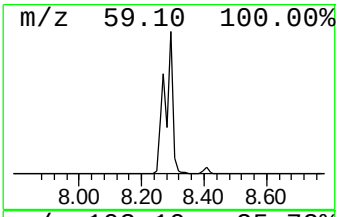
****

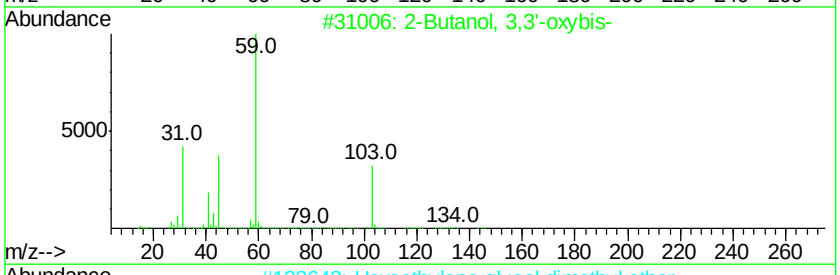
Peak Number 5 2-Butanol, 3,3'-oxybis- Concentration Rank 7

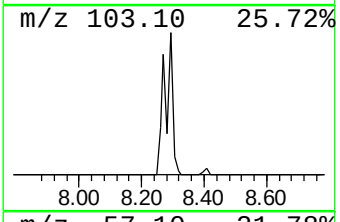
R.T.	EstConc	Area	Relative to ISTD	R.T.
8.29	2.61 ng	151816	Naphthalene-d8	8.04

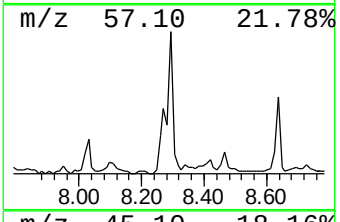
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butanol, 3,3'-oxybis-	162	C8H18O3	054305-61-2	72
2	Hexaethylene glycol dimethyl ether	310	C14H30O7	001072-40-8	64
3	1-Propanol, 2-(2-hydroxypropoxy)-	134	C6H14O3	000106-62-7	56
4	2-Propanol, 1-[1-methyl-2-(2-pro...	174	C9H18O3	055956-25-7	56
5	Propane, 1,2-dimethoxy-	104	C5H12O2	007778-85-0	53

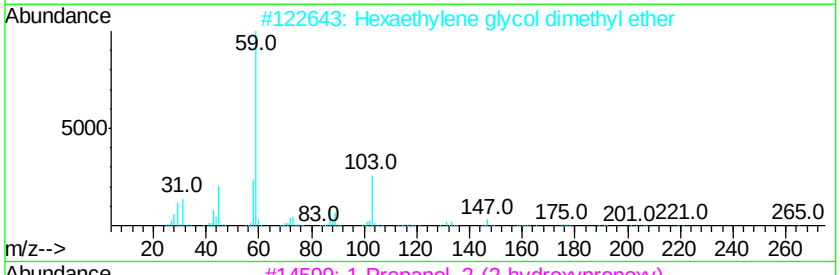


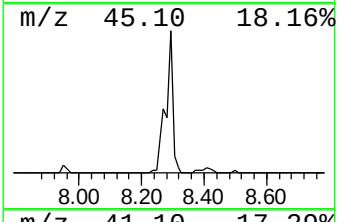


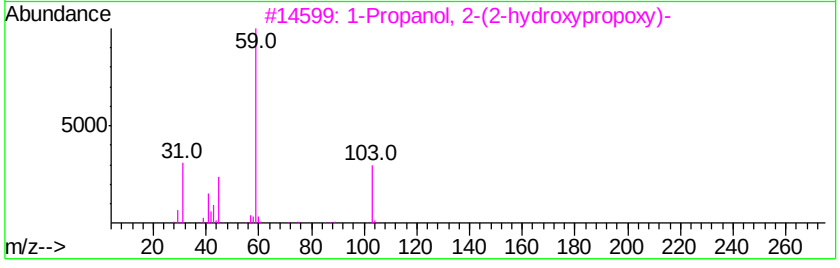


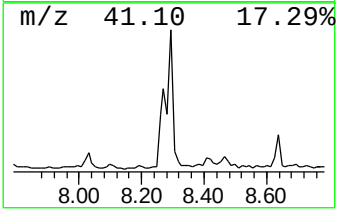












Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122216\
Data File : BF091891.D
Acq On : 22 Dec 2016 17:35
Operator : UM/SJ
Sample : H6156-22
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-11A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

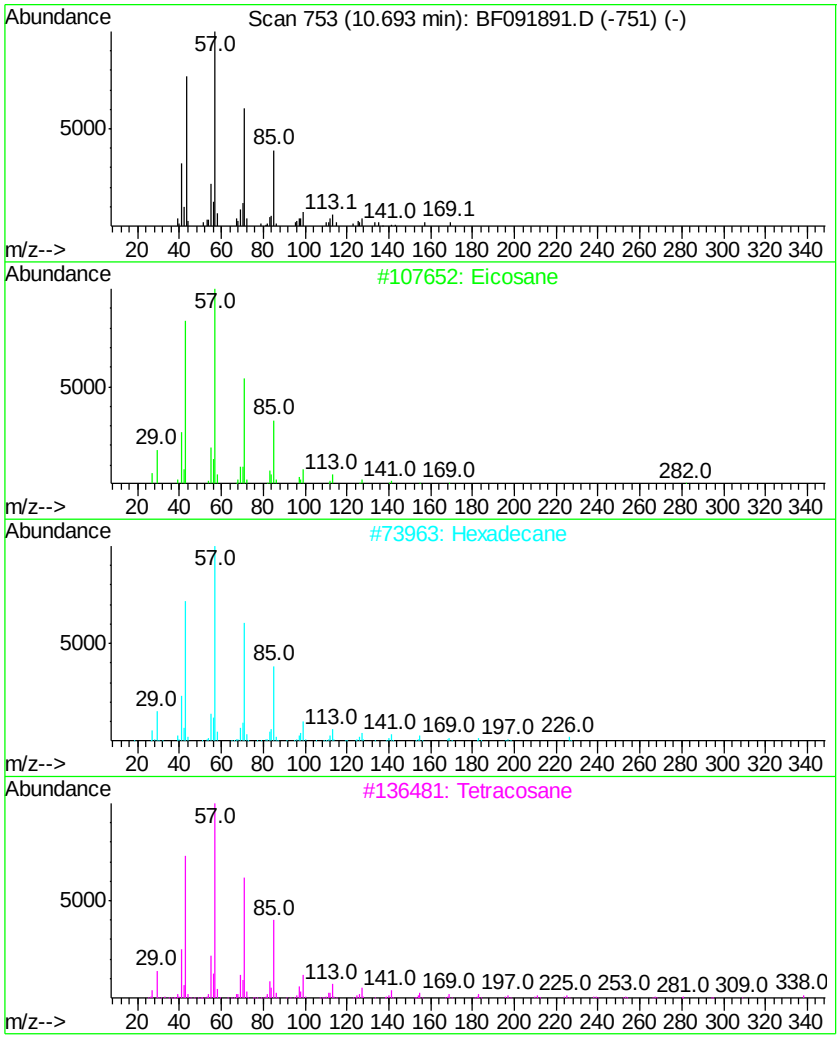
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

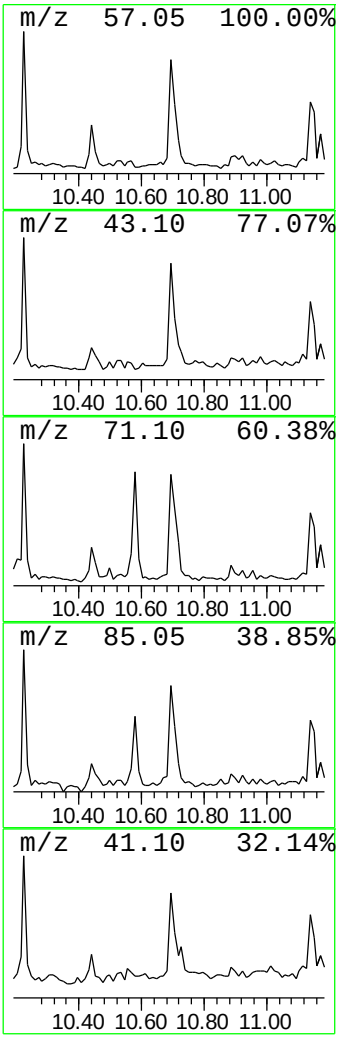
****

Peak Number 6 Eicosane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.69	2.12 ng	106969	Phenanthrene-d10	11.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	91
2	Hexadecane	226	C16H34	000544-76-3	90
3	Tetracosane	338	C24H50	000646-31-1	90
4	Tridecane	184	C13H28	000629-50-5	90
5	Tetradecane	198	C14H30	000629-59-4	90





Data Path : Z:\HPCHEM1\BNA F\DATA\BF122216\
Data File : BF091891.D
Acq On : 22 Dec 2016 17:35
Operator : UM/SJ
Sample : H6156-22
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-11A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

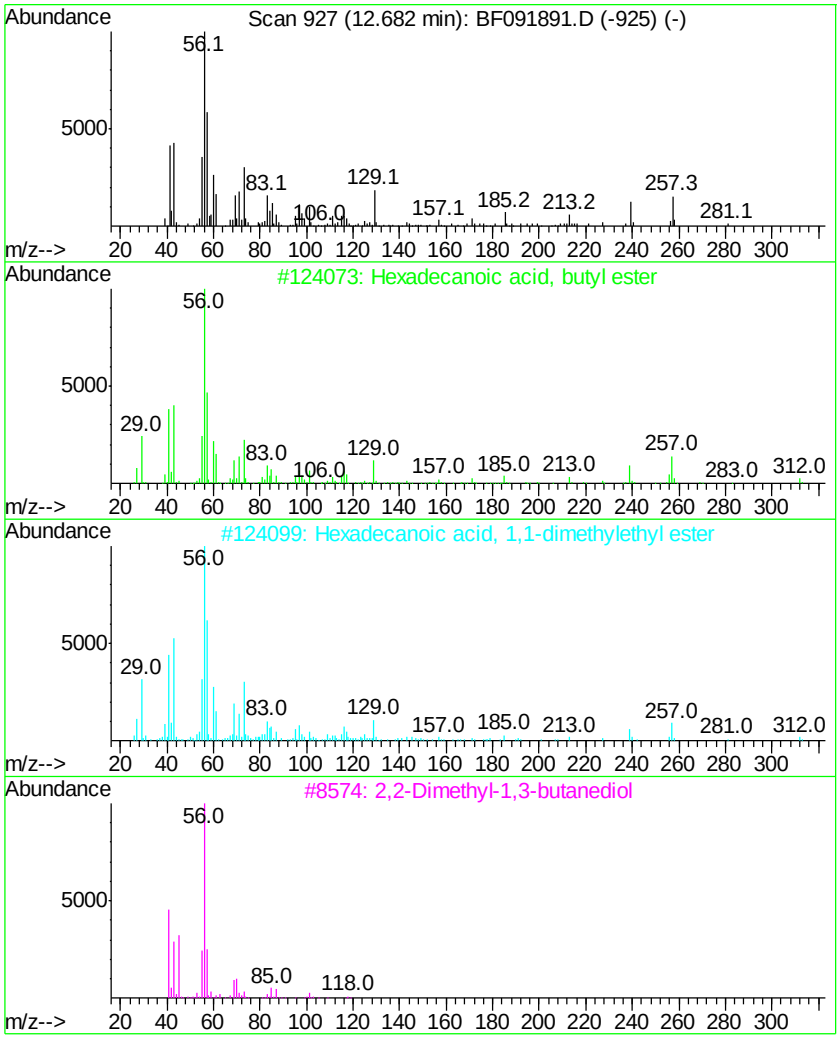
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

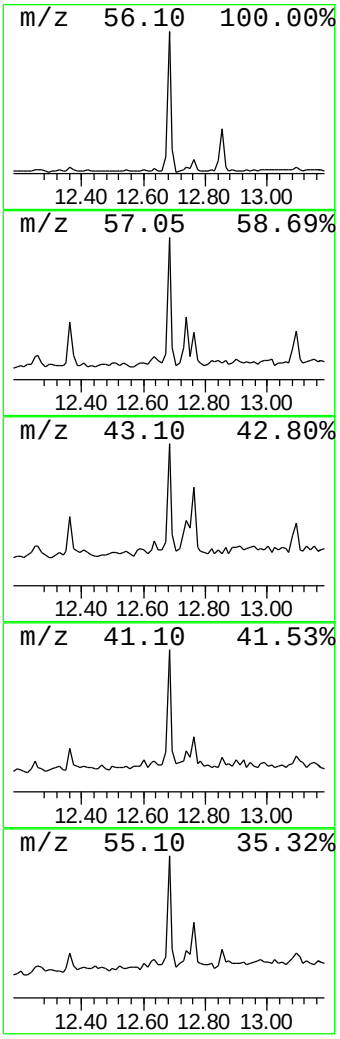
****

Peak Number 7 Hexadecanoic acid, butyl ester Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.68	4.25 ng	182478	Chrysene-d12	13.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecanoic acid, butyl ester	312	C20H40O2	000111-06-8	91
2	Hexadecanoic acid, 1,1-dimethyle...	312	C20H40O2	031158-91-5	83
3	2,2-Dimethyl-1,3-butanediol	118	C6H14O2	000076-35-7	43
4	Decane, 2,2,3-trimethyl-	184	C13H28	062338-09-4	38
5	1-Heptene, 2-methyl-	112	C8H16	015870-10-7	35





Data Path : Z:\HPCHEM1\BNA F\DATA\BF122216\
Data File : BF091891.D
Acq On : 22 Dec 2016 17:35
Operator : UM/SJ
Sample : H6156-22
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-11A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

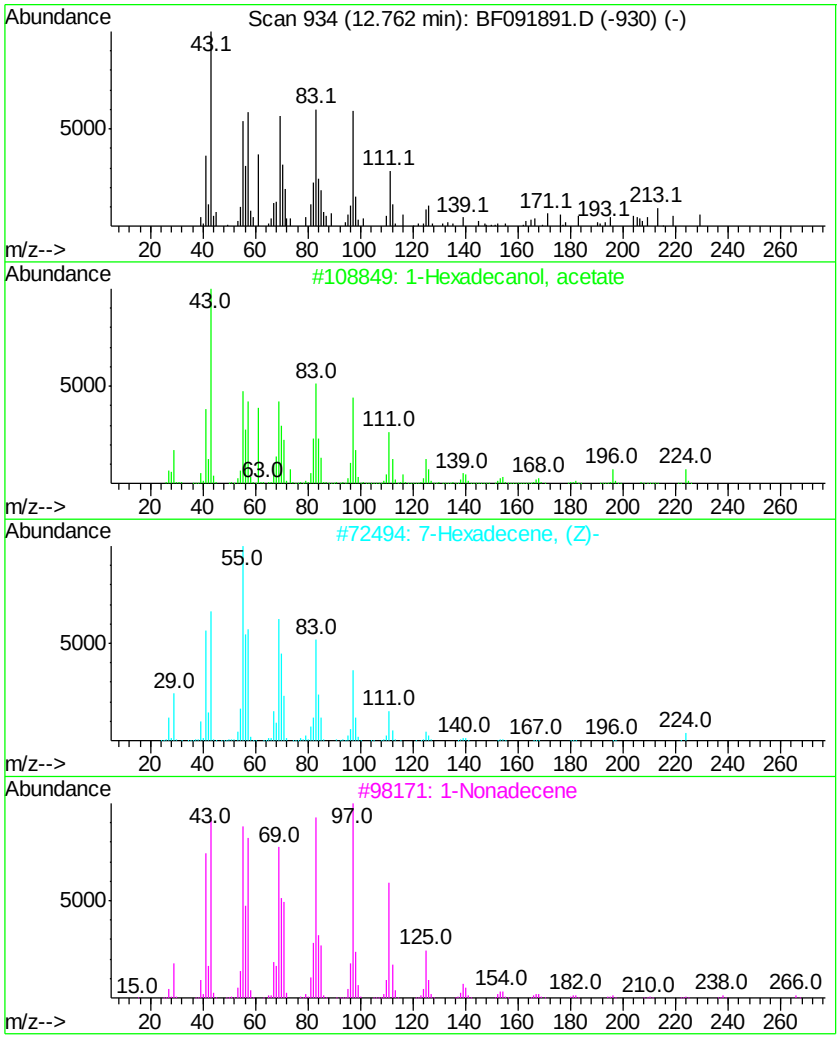
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

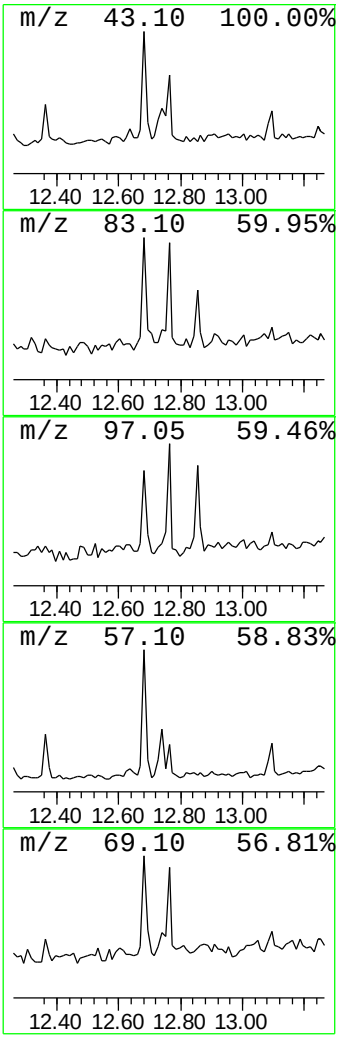
****

Peak Number 8 1-Hexadecanol, acetate Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.76	2.13 ng	91486	Chrysene-d12	13.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexadecanol, acetate	284	C18H36O2	000629-70-9	90
2	7-Hexadecene, (Z)-	224	C16H32	035507-09-6	64
3	1-Nonadecene	266	C19H38	018435-45-5	64
4	9-Octadecene, (E)-	252	C18H36	007206-25-9	64
5	1-Tetradecanol, acetate	256	C16H32O2	000638-59-5	62





Data Path : Z:\HPCHEM1\BNA F\DATA\BF122216\
Data File : BF091891.D
Acq On : 22 Dec 2016 17:35
Operator : UM/SJ
Sample : H6156-22
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-11A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

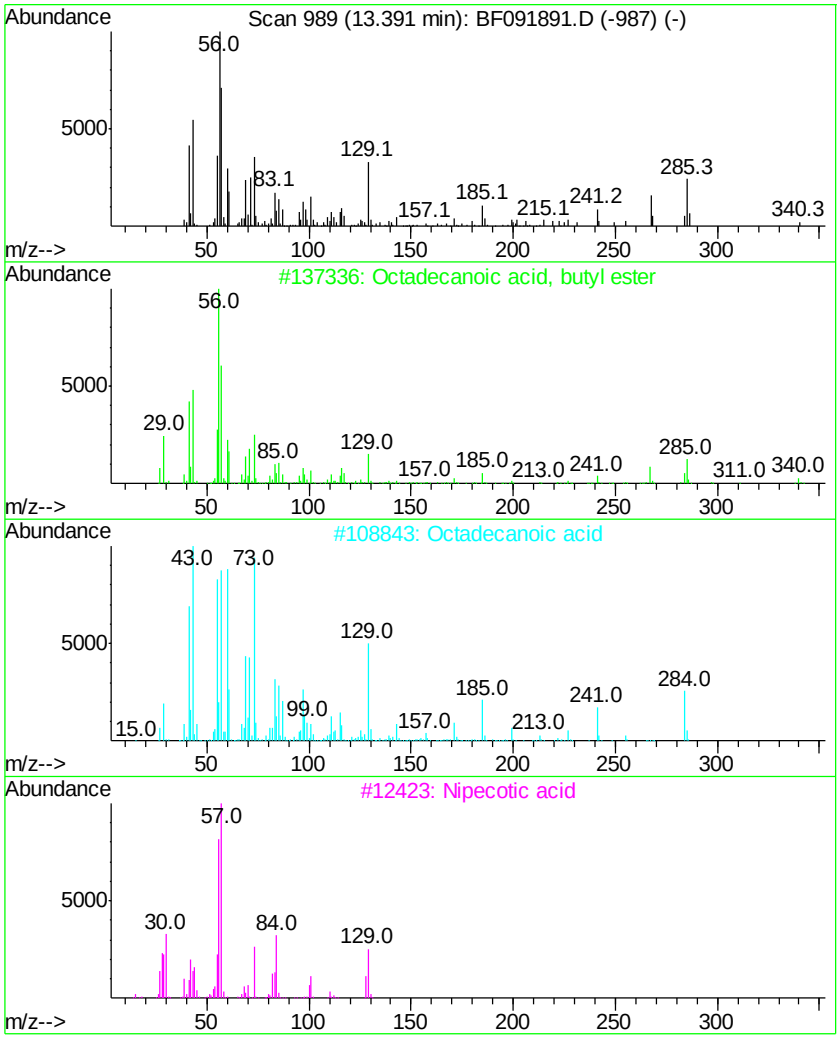
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

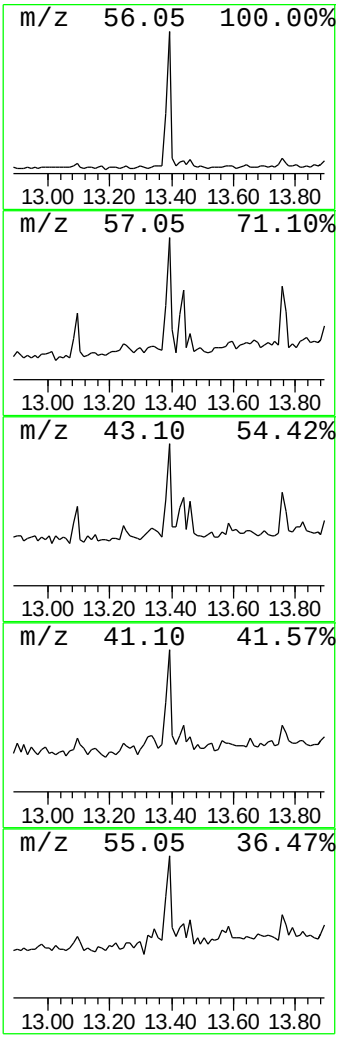
****

Peak Number 9 Octadecanoic acid, butyl ester Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.39	3.32 ng	142762	Chrysene-d12	13.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid, butyl ester	340	C22H44O2	000123-95-5	93
2	Octadecanoic acid	284	C18H36O2	000057-11-4	62
3	Nipecotic acid	129	C6H11NO2	000498-95-3	47
4	Octadecanoic acid, 2-methylpropy...	340	C22H44O2	000646-13-9	46
5	Cyclopentanone, 2,2,5,5-tetramet...	140	C9H16O	004541-35-9	30





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122216\
Data File : BF091891.D
Acq On : 22 Dec 2016 17:35
Operator : UM/SJ
Sample : H6156-22
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-11A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.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
2-Pentanone, 4-hy...	4.91	12.6	ng	558435	1	6.75	884244	20.0
unknown6.54	6.54	88.1	ng	3896370	1	6.75	884244	20.0
Propane, 1,1-diet...	8.27	3.4	ng	194931	2	8.04	1164050	20.0
2-Butanol, 3,3'-o...	8.29	2.6	ng	151816	2	8.04	1164050	20.0
Eicosane	10.69	2.1	ng	106969	4	11.26	1010500	20.0
Hexadecanoic acid...	12.68	4.3	ng	182478	5	13.91	859133	20.0
1-Hexadecanol, ac...	12.76	2.1	ng	91486	5	13.91	859133	20.0
Octadecanoic acid...	13.39	3.3	ng	142762	5	13.91	859133	20.0