LSC Area Percent Report

Data Path : V:\HPCHEM1\BNA F\DATA\BF112015\
Data File : BF083103.D
Acq On : 21 Nov 2015 4:31
Operator : UM/IZ
Sample : G4486-01
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-13

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-BF111915.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	5.230	259	275	276	rVV	279927	1798155	1.71%	0.654%
2	5.287	278	280	283	rVV	1562820	2303110	2.18%	0.838%
3	5.687	299	315	317	rBV	325066	1857150	1.76%	0.676%
4	6.350	371	373	376	rBV2	1403796	1797478	1.70%	0.654%
5	6.476	381	384	385	rVV	2769114	4039994	3.83%	1.470%
6	6.533	385	389	391	rVB	532577	1258003	1.19%	0.458%
7	6.853	415	417	419	rBV	2632919	2837727	2.69%	1.033%
8	7.139	439	442	444	rVB	1926337	2530963	2.40%	0.921%
9	7.264	451	453	456	rVB	2268454	2311481	2.19%	0.841%
10	7.813	490	501	503	rBV	605482	2681223	2.54%	0.976%
11	7.984	503	516	518	rVV	2694332	11606735	11.01%	4.225%
12	8.065	518	523	524	rVV	4470435	14582758	13.83%	5.308%
13	8.282	524	542	543	rVV2	14883330	105425445	100.00%	38.372%
14	8.316	543	545	547	rVV	15963636	34936481	33.14%	12.716%
15	8.362	548	549	551	rVV	10227820	7728056	7.33%	2.813%
16	8.522	559	563	564	rVV	1965288	2466642	2.34%	0.898%
17	9.070	601	611	614	rBV2	6597893	18159146	17.22%	6.610%
18	9.745	667	670	672	rBV	1508268	1343868	1.27%	0.489%
19	10.065	687	698	700	rBV	5559898	16891489	16.02%	6.148%
20	10.533	735	739	741	rBV2	2667734	2584652	2.45%	0.941%
21	10.762	757	759	761	rVV2	900708	1202503	1.14%	0.438%
22	10.956	772	776	777	rVV2	3666997	6777975	6.43%	2.467%
23	11.219	797	799	800	rVV	1197197	1112466	1.06%	0.405%
24	11.253	800	802	808	rVB	1917128	2386539	2.26%	0.869%
25	11.825	845	852	854	rBV	7186857	15044954	14.27%	5.476%
26	12.511	907	912	916	rBV	893579	2638457	2.50%	0.960%
27	12.579	916	918	919	rBV	851858	1079032	1.02%	0.393%
28	12.808	936	938	941	rVB	3107716	2885388	2.74%	1.050%
29	12.922	946	948	950	rBV2	794936	1236551	1.17%	0.450%
30	13.848	1027	1029	1033	rBV	998151	1237802	1.17%	0.451%

Sum of corrected areas: 274742223

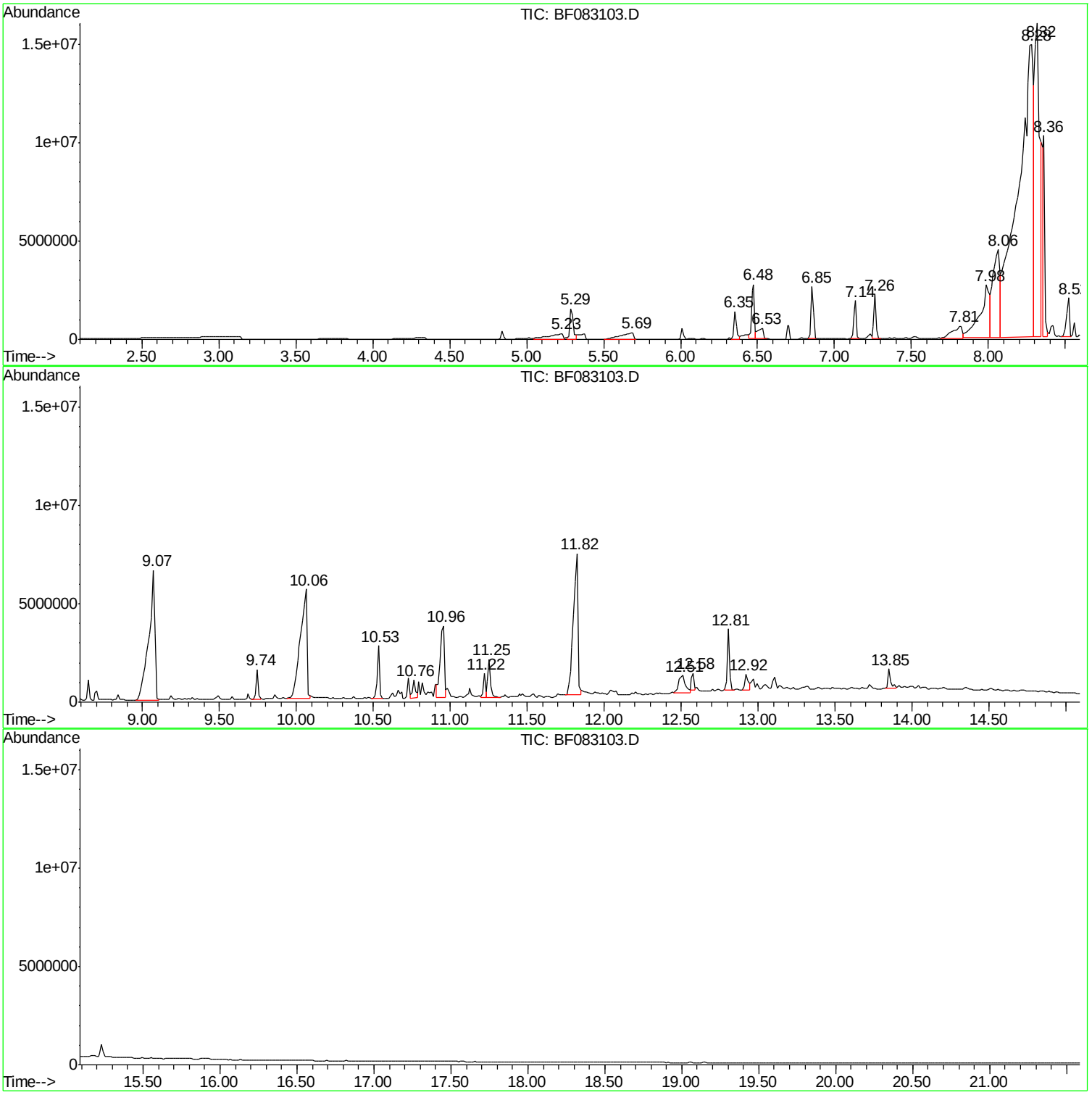
LSC Report - Integrated Chromatogram

Data Path : V:\HPCHEM1\BNA F\DATA\BF112015\
Data File : BF083103.D
Acq On : 21 Nov 2015 4:31
Operator : UM/IZ
Sample : G4486-01
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-13

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF111915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : V:\HPCHEM1\BNA F\DATA\BF112015\
Data File : BF083103.D
Acq On : 21 Nov 2015 4:31
Operator : UM/IZ
Sample : G4486-01
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

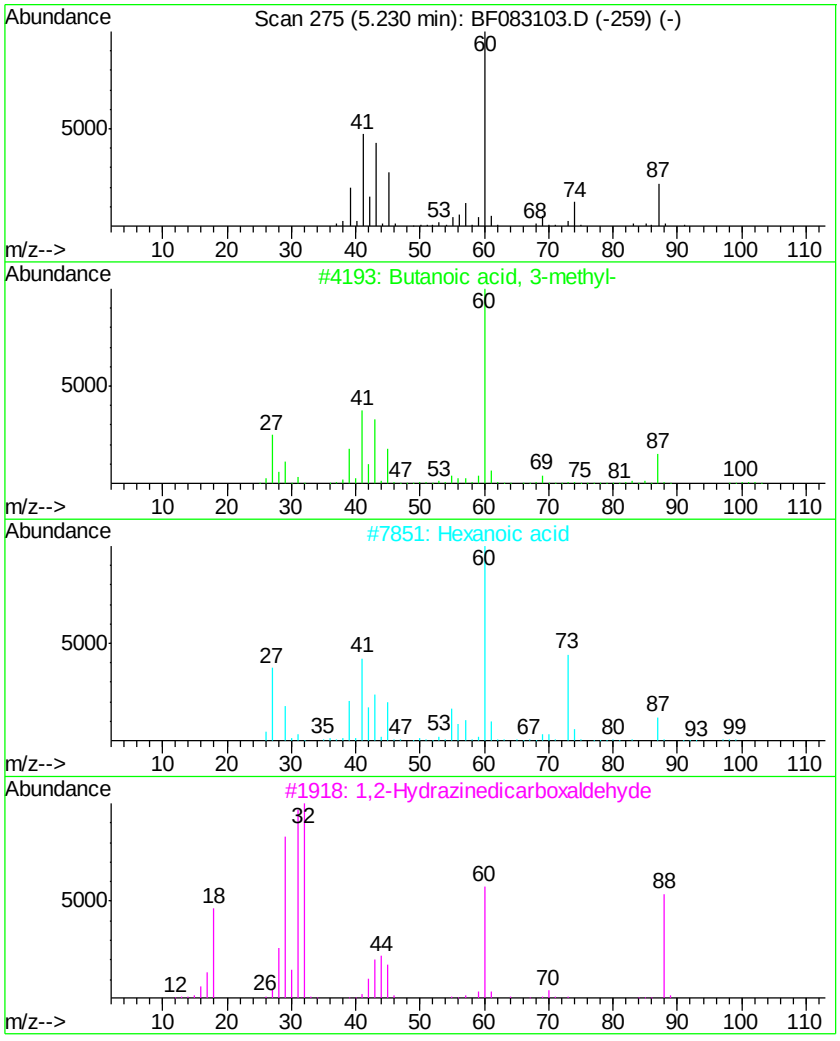
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

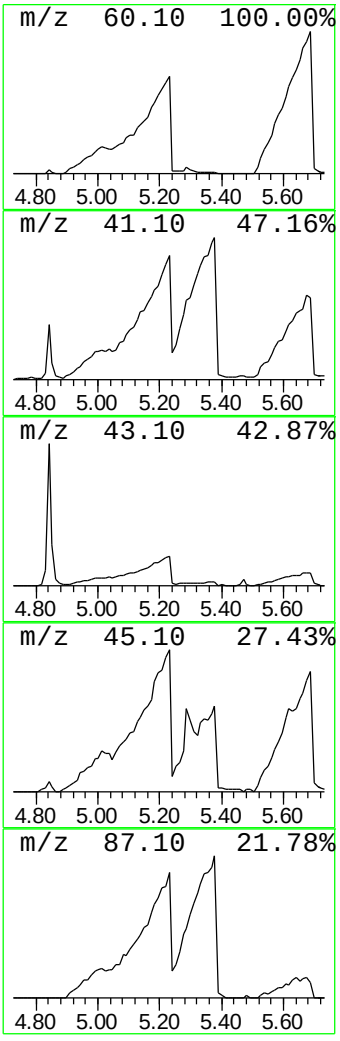
****

Peak Number 1 Butanoic acid, 3-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.23	12.67 ng	1798160	1,4-Dichlorobenzene-d4	6.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanoic acid, 3-methyl-	102	C5H10O2	000503-74-2	59
2	Hexanoic acid	116	C6H12O2	000142-62-1	53
3	1,2-Hydrazinedicarboxaldehyde	88	C2H4N2O2	000628-36-4	36
4	Pentanoic acid	102	C5H10O2	000109-52-4	33
5	1-Pentanamine	87	C5H13N	000110-58-7	9





Data Path : V:\HPCHEM1\BNA F\DATA\BF112015\
Data File : BF083103.D
Acq On : 21 Nov 2015 4:31
Operator : UM/IZ
Sample : G4486-01
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-13

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF111915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

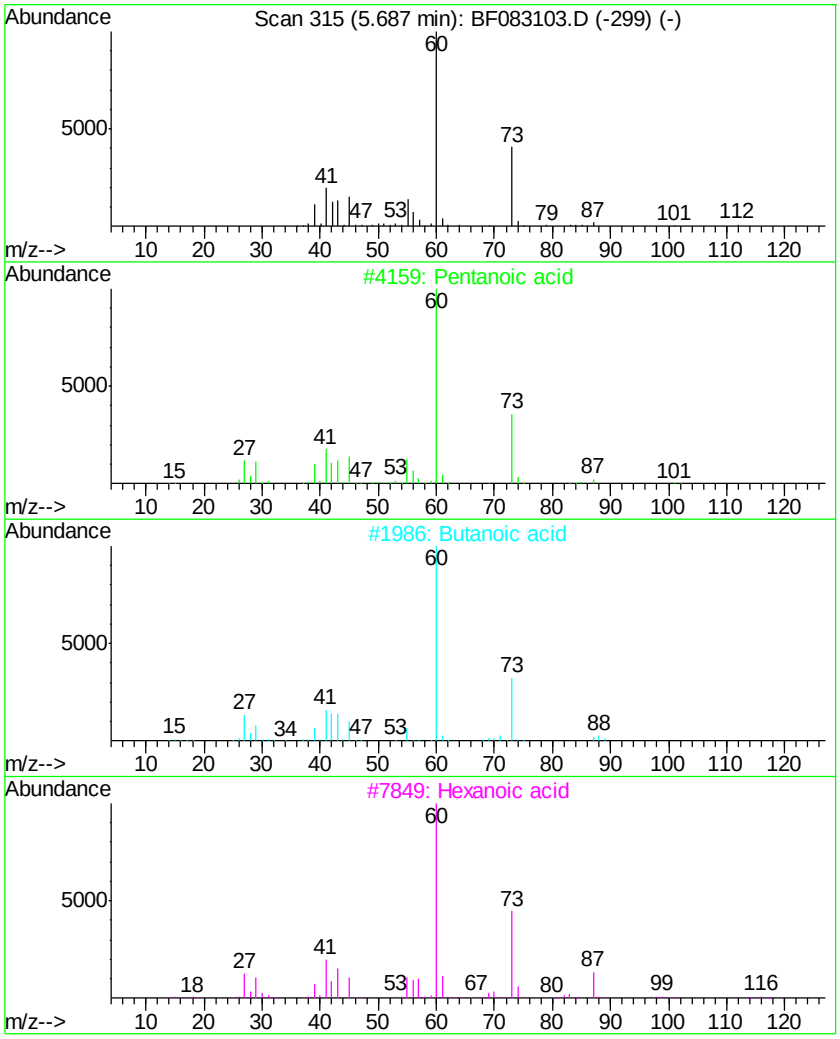
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

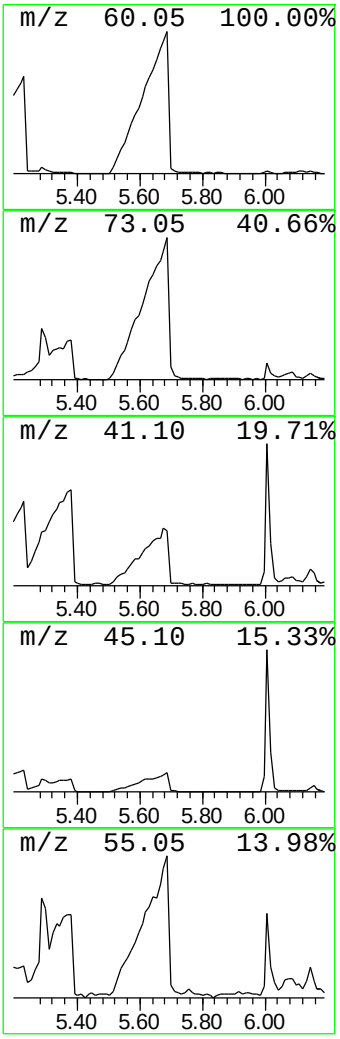
****

Peak Number 2 Pentanoic acid Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.69	13.09 ng	1857150	1,4-Dichlorobenzene-d4	6.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentanoic acid	102	C5H10O2	000109-52-4	90
2	Butanoic acid	88	C4H8O2	000107-92-6	78
3	Hexanoic acid	116	C6H12O2	000142-62-1	64
4	Propanedioic acid, propyl-	146	C6H10O4	000616-62-6	53
5	Butanoic acid, 3-methyl-	102	C5H10O2	000503-74-2	50





Data Path : V:\HPCHEM1\BNA F\DATA\BF112015\
Data File : BF083103.D
Acq On : 21 Nov 2015 4:31
Operator : UM/IZ
Sample : G4486-01
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-13

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF111915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

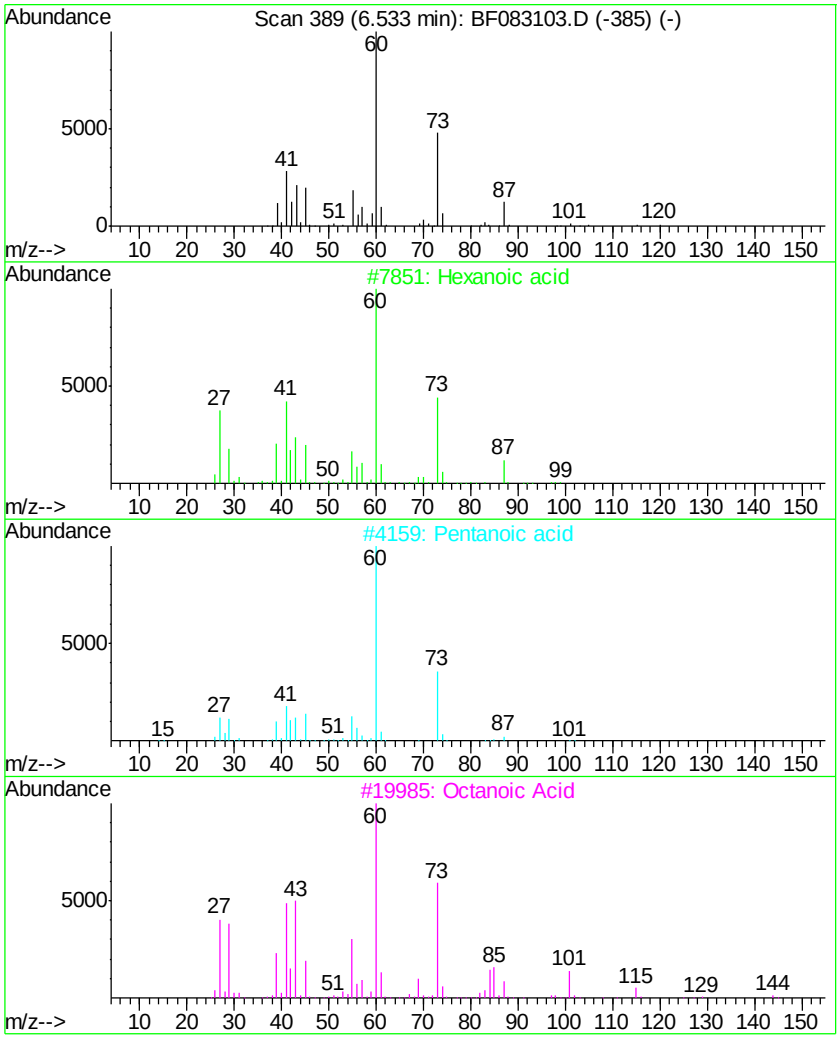
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

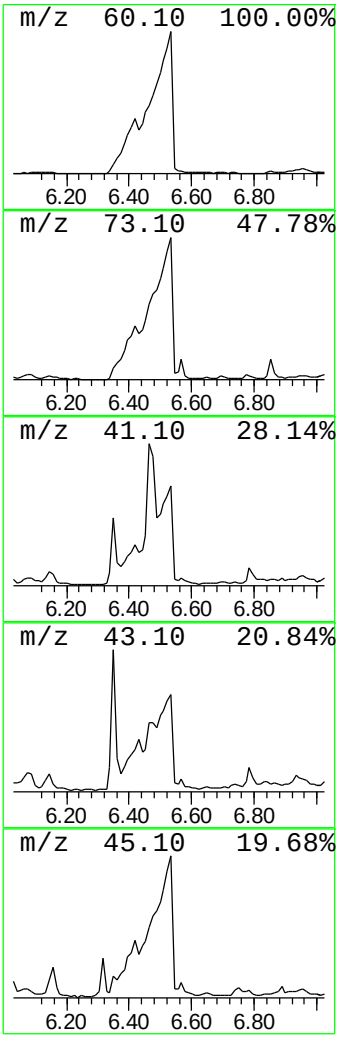
****

Peak Number 4 Hexanoic acid Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.53	8.87 ng	1258000	1,4-Dichlorobenzene-d4	6.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanoic acid	116	C6H12O2	000142-62-1	78
2	Pentanoic acid	102	C5H10O2	000109-52-4	72
3	Octanoic Acid	144	C8H16O2	000124-07-2	64
4	Heptanoic acid	130	C7H14O2	000111-14-8	64
5	Butanoic acid, 3-methyl-	102	C5H10O2	000503-74-2	45





Library Search Compound Report

Data Path : V:\HPCHEM1\BNA F\DATA\BF112015\
Data File : BF083103.D
Acq On : 21 Nov 2015 4:31
Operator : UM/IZ
Sample : G4486-01
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-13

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF111915.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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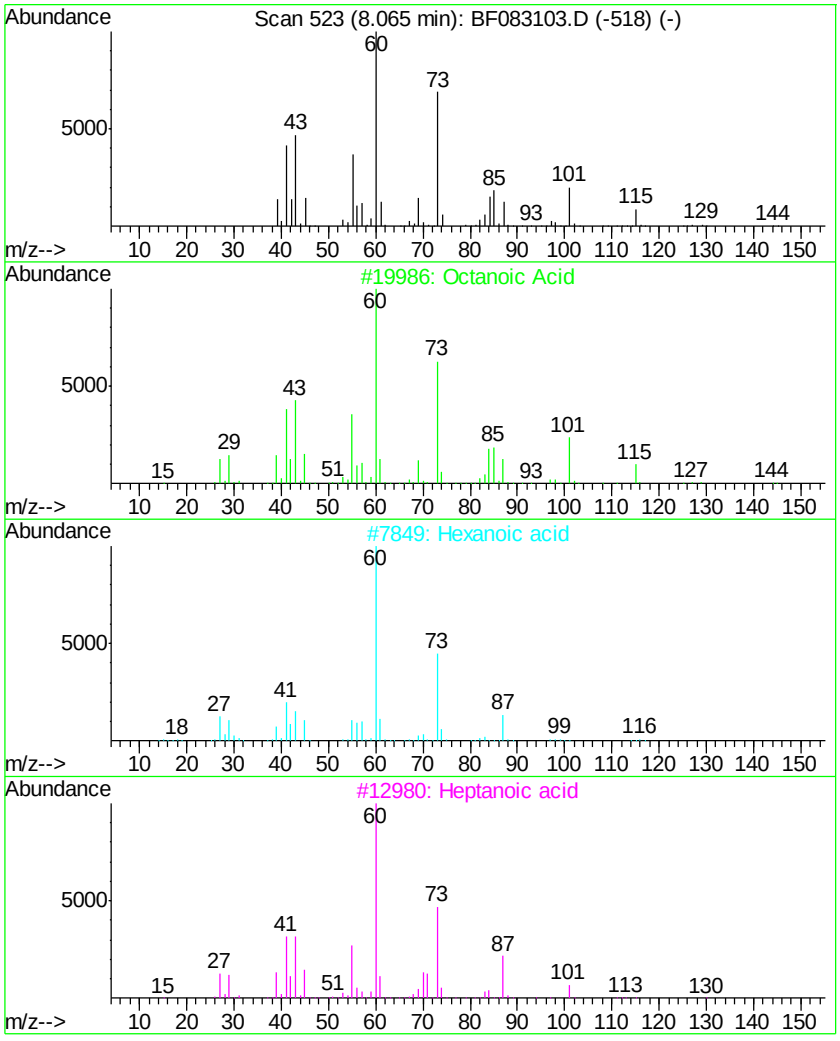
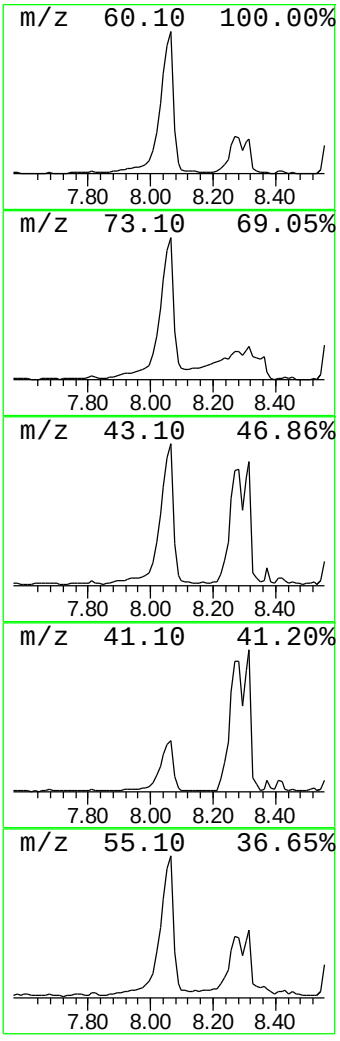
Peak Number 6 Octanoic Acid Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.06	25.13 ng	14582800	Naphthalene-d8	7.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octanoic Acid	144	C8H16O2	000124-07-2	94
2	Hexanoic acid	116	C6H12O2	000142-62-1	64
3	Heptanoic acid	130	C7H14O2	000111-14-8	40
4	Butanoic acid, 3-methyl-	102	C5H10O2	000503-74-2	40
5	Propanedioic acid, propyl-	146	C6H10O4	000616-62-6	40





Data Path : V:\HPCHEM1\BNA F\DATA\BF112015\
Data File : BF083103.D
Acq On : 21 Nov 2015 4:31
Operator : UM/IZ
Sample : G4486-01
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-13

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF111915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

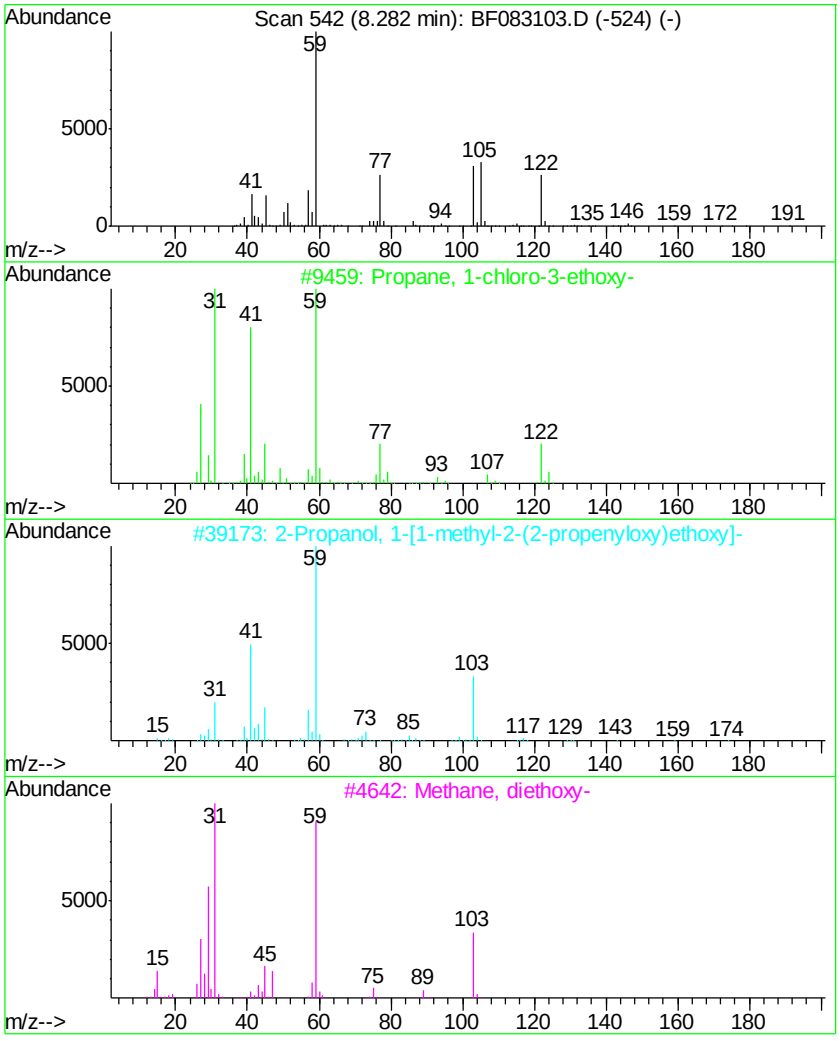
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

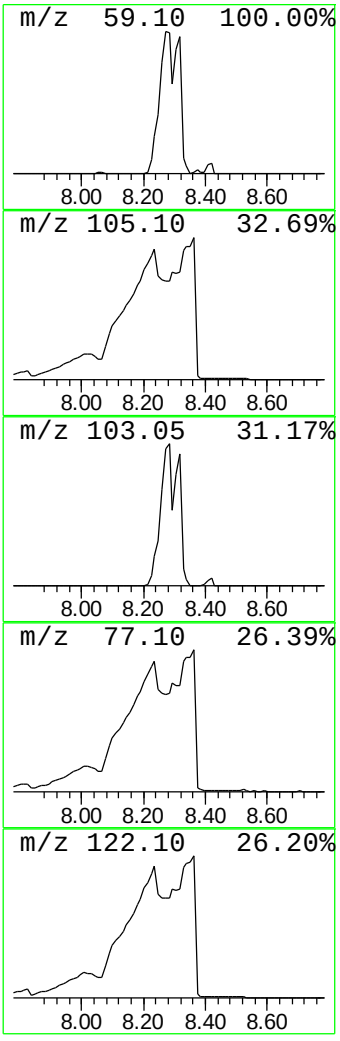
****

Peak Number 7 Propane, 1-chloro-3-ethoxy- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.28	181.66 ng	105425000	Naphthalene-d8	7.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane, 1-chloro-3-ethoxy-	122	C5H11ClO	036865-38-0	52
2	2-Propanol, 1-[1-methyl-2-(2-pro...	174	C9H18O3	055956-25-7	47
3	Methane, diethoxy-	104	C5H12O2	000462-95-3	43
4	1-Propanol, 2-(2-hydroxypropoxy)-	134	C6H14O3	000106-62-7	43
5	Ethanol, 1-methoxy-, benzoate	180	C10H12O3	051835-44-0	36





Data Path : V:\HPCHEM1\BNA F\DATA\BF112015\
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Operator : UM/IZ
Sample : G4486-01
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-13

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF111915.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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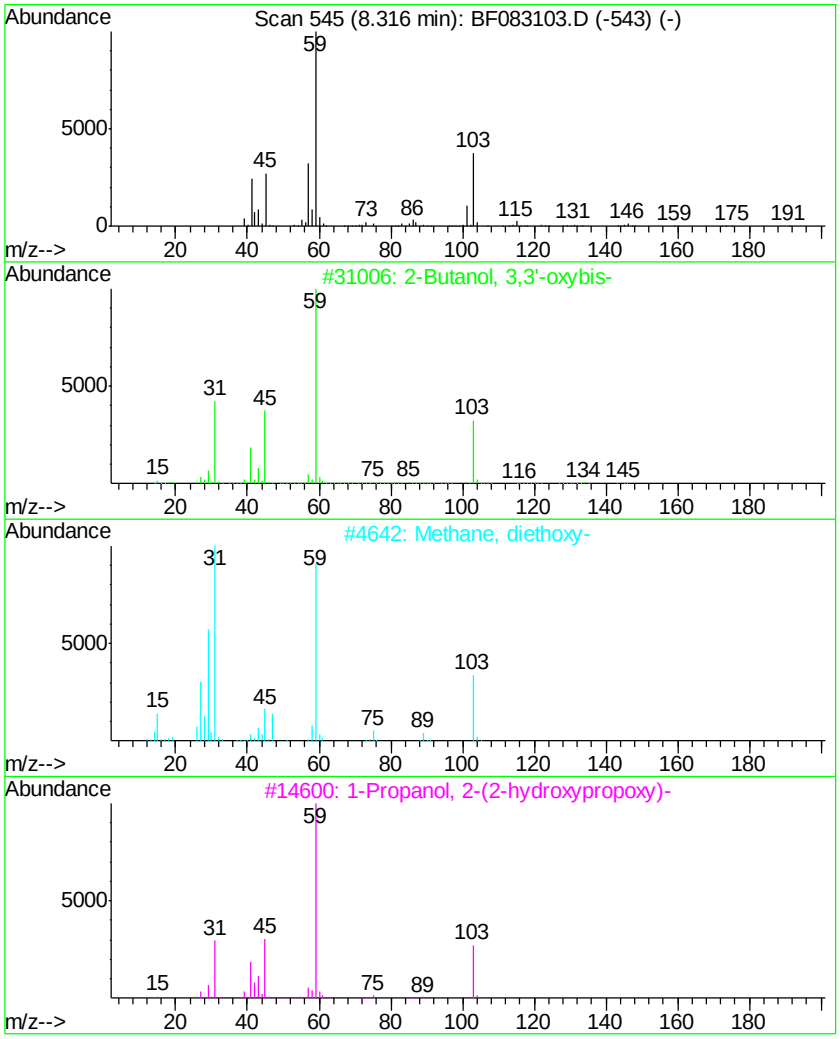
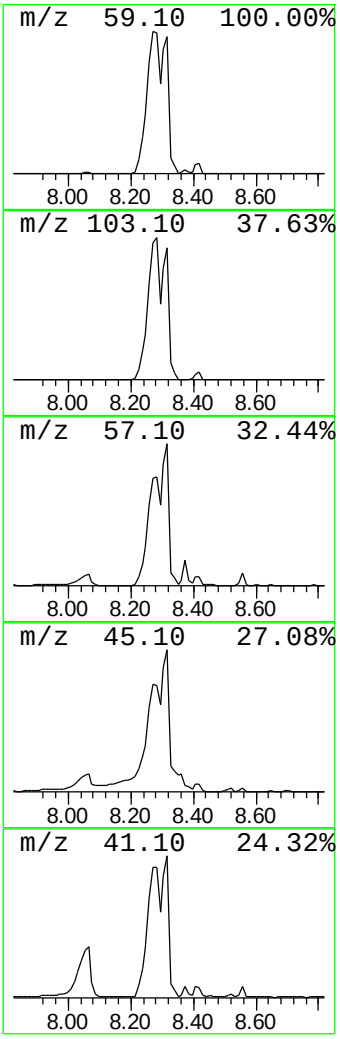
Peak Number 8 2-Butanol, 3,3'-oxybis- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.32	60.20 ng	34936500	Naphthalene-d8	7.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butanol, 3,3'-oxybis-	162	C8H18O3	054305-61-2	72
2	Methane, diethoxy-	104	C5H12O2	000462-95-3	72
3	1-Propanol, 2-(2-hydroxypropoxy)-	134	C6H14O3	000106-62-7	64
4	1-Propanol, 2,2'-oxybis-	134	C6H14O3	000108-61-2	64
5	Dipropylene glycol	134	C6H14O3	025265-71-8	56





Data Path : V:\HPCHEM1\BNA F\DATA\BF112015\
Data File : BF083103.D
Acq On : 21 Nov 2015 4:31
Operator : UM/IZ
Sample : G4486-01
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-13

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF111915.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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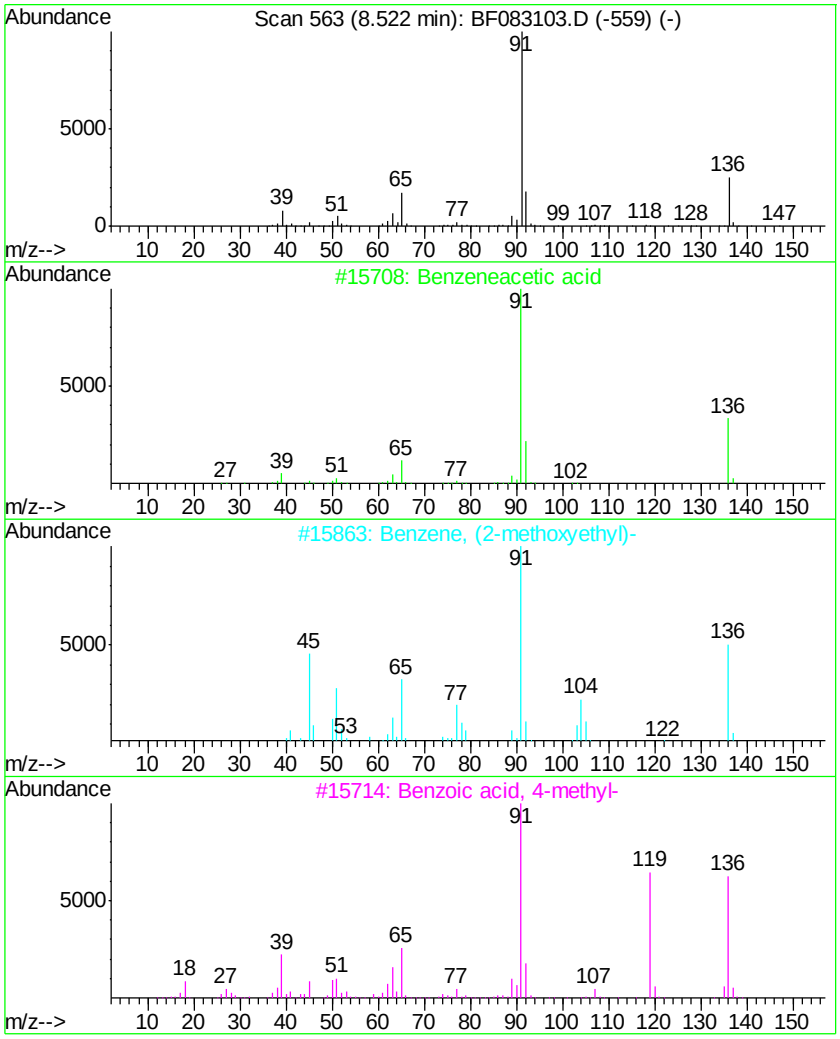
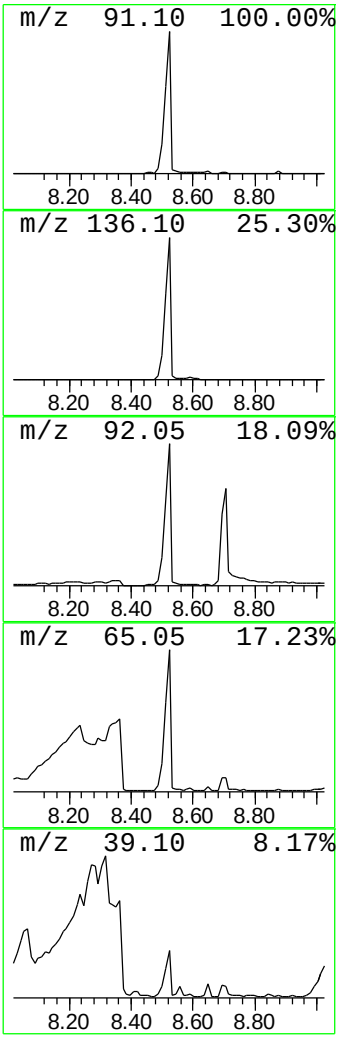
Peak Number 10 Benzeneacetic acid Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.52	4.25 ng	2466640	Naphthalene-d8	7.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzeneacetic acid	136	C8H8O2	000103-82-2	87
2	Benzene, (2-methoxyethyl)-	136	C9H12O	003558-60-9	72
3	Benzoic acid, 4-methyl-	136	C8H8O2	000099-94-5	59
4	Propanedioic acid, phenyl-	180	C9H8O4	002613-89-0	59
5	Benzyl 2-chloroethyl sulfone	218	C9H11ClO2S	066998-67-2	50





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Acq On : 21 Nov 2015 4:31
Operator : UM/IZ
Sample : G4486-01
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-13

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF111915.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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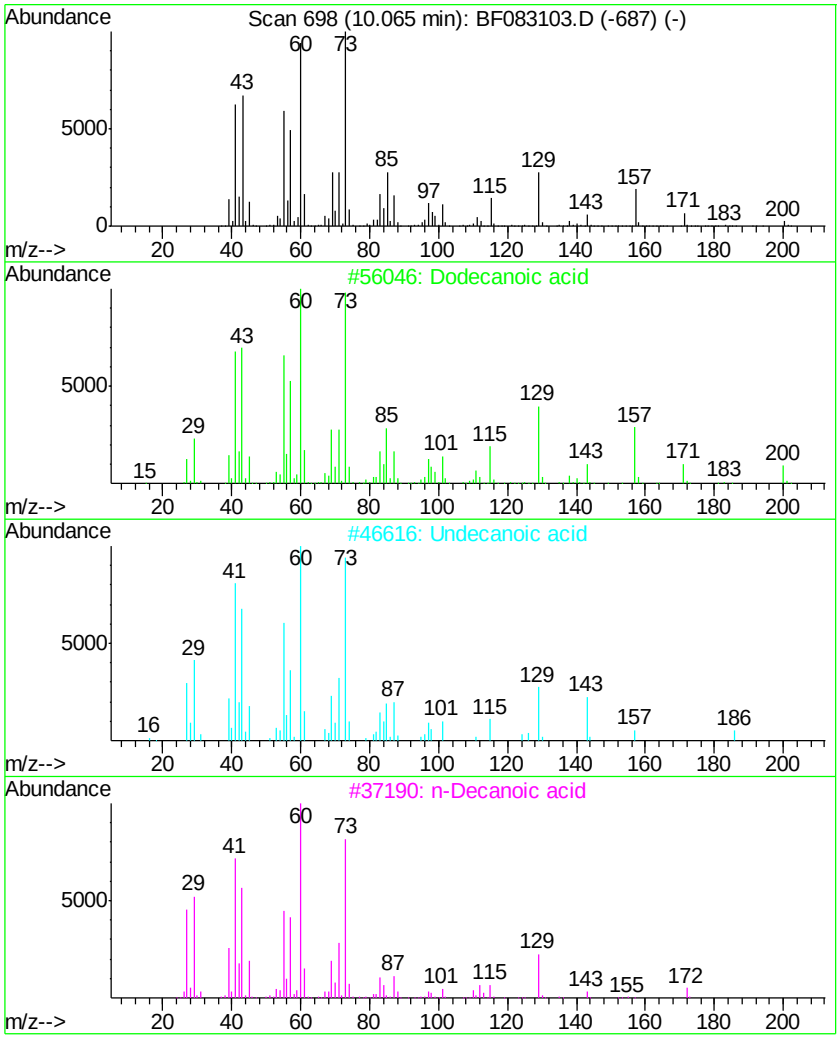
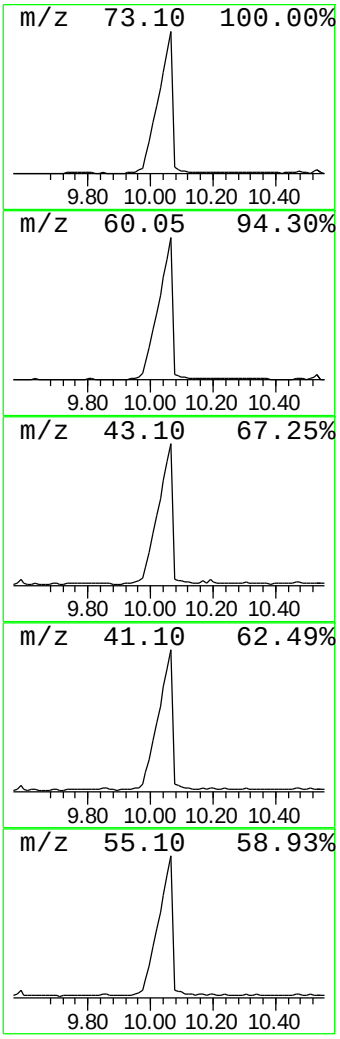
Peak Number 11 Dodecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.06	251.39 ng	16891500	Acenaphthene-d10	9.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecanoic acid	200	C12H24O2	000143-07-7	98
2	Undecanoic acid	186	C11H22O2	000112-37-8	86
3	n-Decanoic acid	172	C10H20O2	000334-48-5	81
4	Nonanoic acid	158	C9H18O2	000112-05-0	58
5	Ethanone, 1-(4,5-dihydro-2-thiaz...	129	C5H7NOS	029926-41-8	43





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Data File : BF083103.D
Acq On : 21 Nov 2015 4:31
Operator : UM/IZ
Sample : G4486-01
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-13

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF111915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

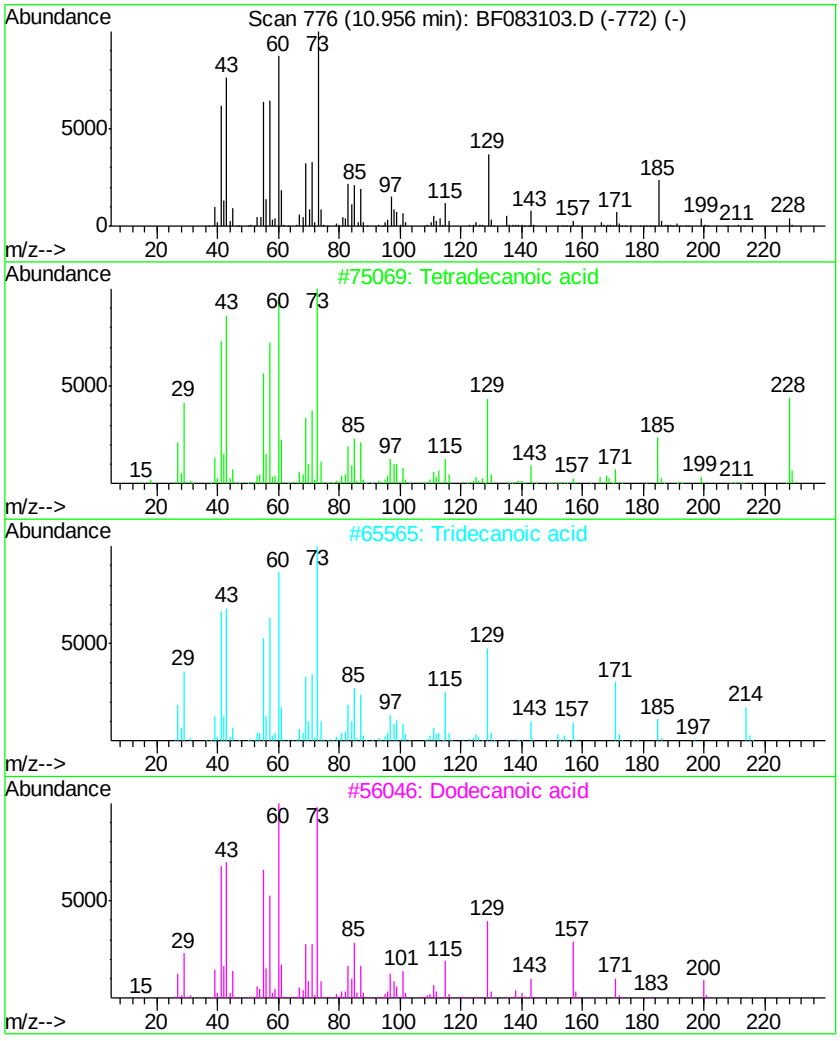
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

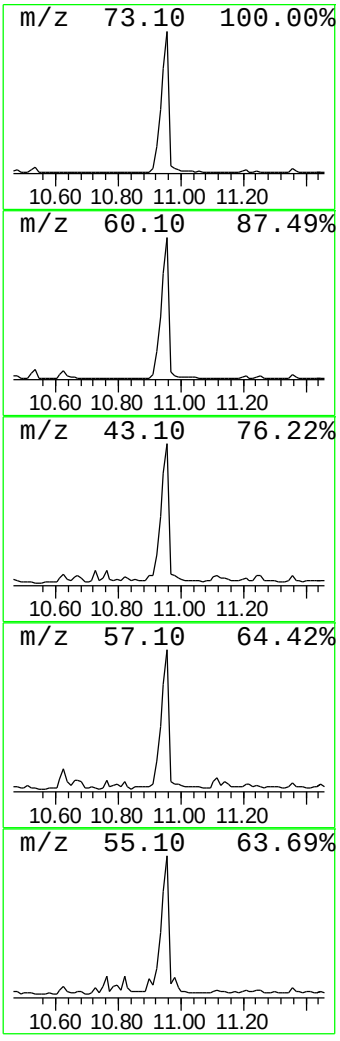
****

Peak Number 13 Tetradecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.96	121.86 ng	6777980	Phenanthrene-d10	11.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecanoic acid	228	C14H28O2	000544-63-8	95
2	Tridecanoic acid	214	C13H26O2	000638-53-9	80
3	Dodecanoic acid	200	C12H24O2	000143-07-7	64
4	n-Decanoic acid	172	C10H20O2	000334-48-5	53
5	Butanoic acid	88	C4H8O2	000107-92-6	27





Data Path : V:\HPCHEM1\BNA F\DATA\BF112015\
Data File : BF083103.D
Acq On : 21 Nov 2015 4:31
Operator : UM/IZ
Sample : G4486-01
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-13

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF111915.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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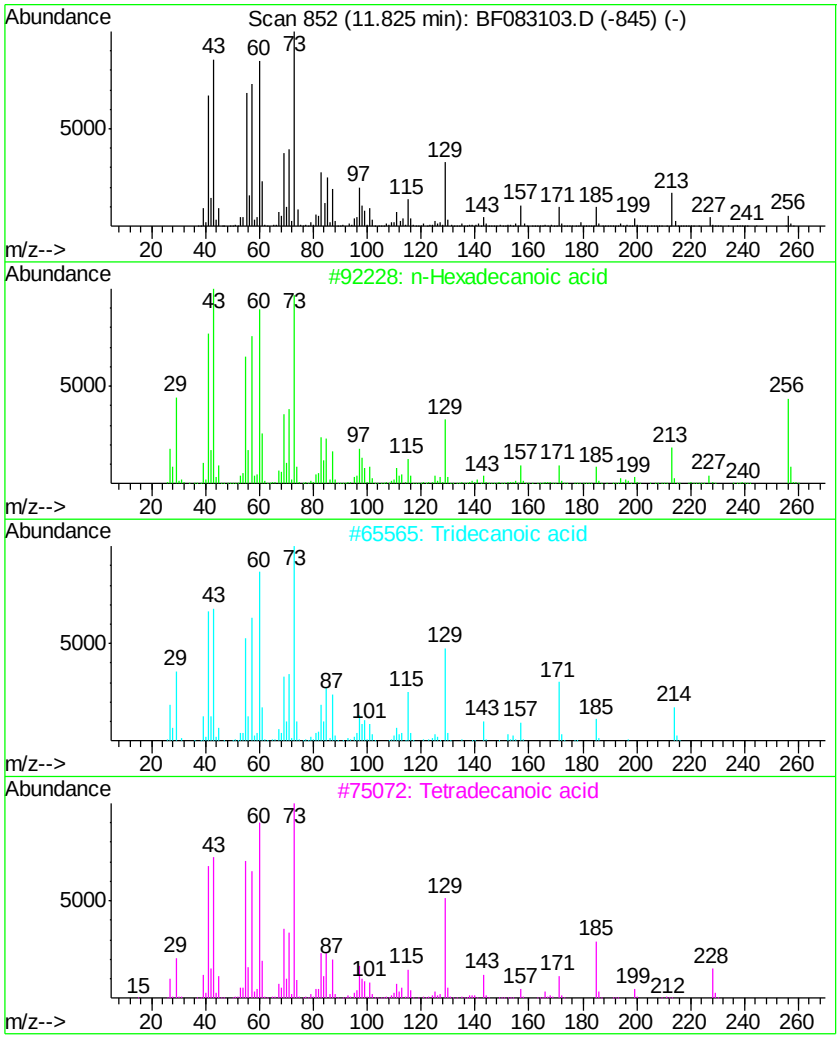
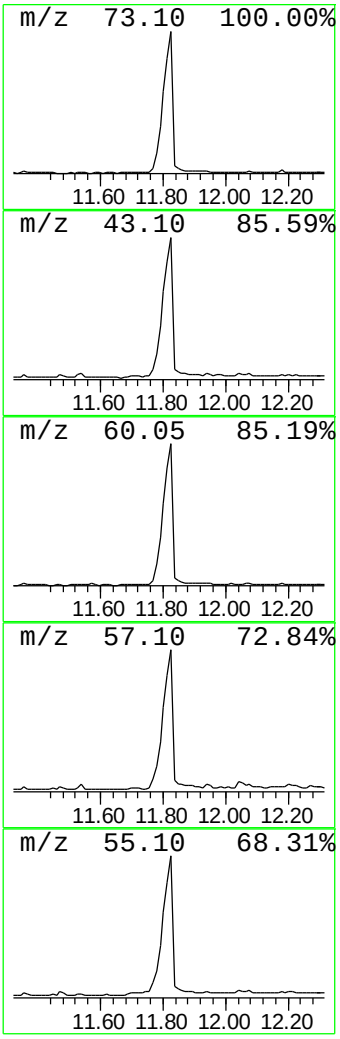
Peak Number 14 n-Hexadecanoic acid Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.82	270.48 ng	15045000	Phenanthrene-d10	11.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
2	Tridecanoic acid	214	C13H26O2	000638-53-9	95
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	87
4	Estra-1,3,5(10)-trien-17.beta.-ol	256	C18H24O	002529-64-8	25
5	6-Methyl(pentamethylene)silyloxy...	326	C20H42OSi	1000278-79-4	18





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Data File : BF083103.D
Acq On : 21 Nov 2015 4:31
Operator : UM/IZ
Sample : G4486-01
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-13

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF111915.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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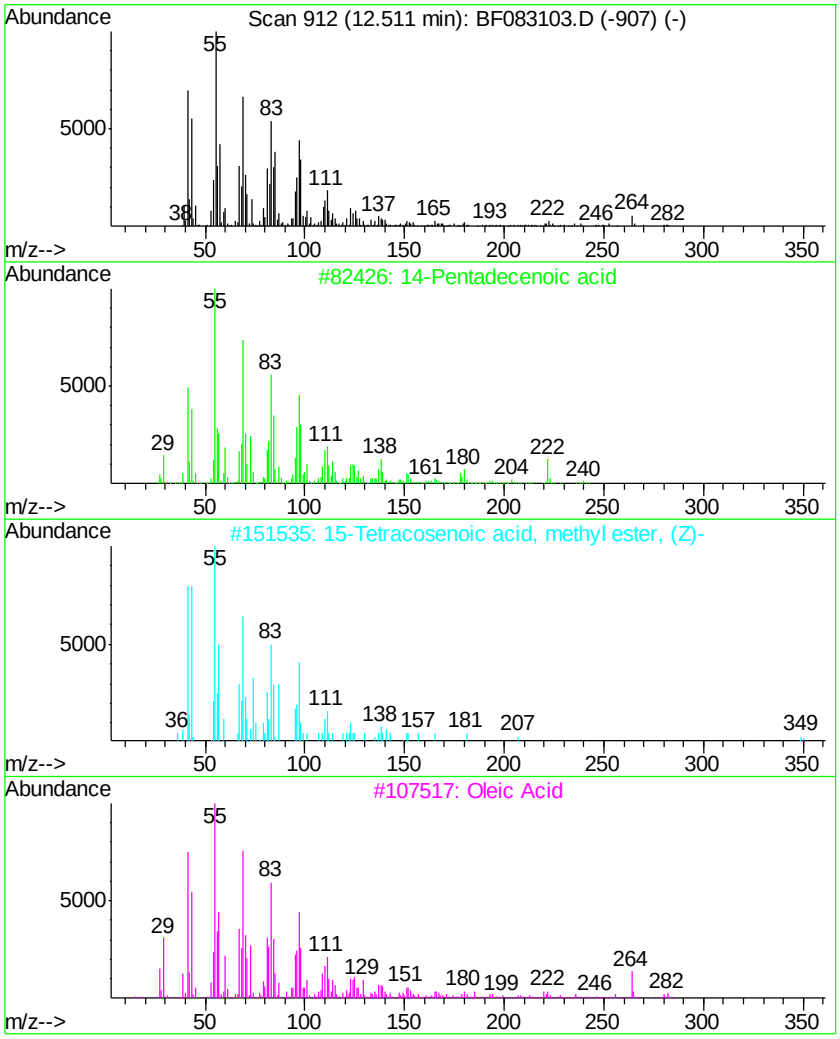
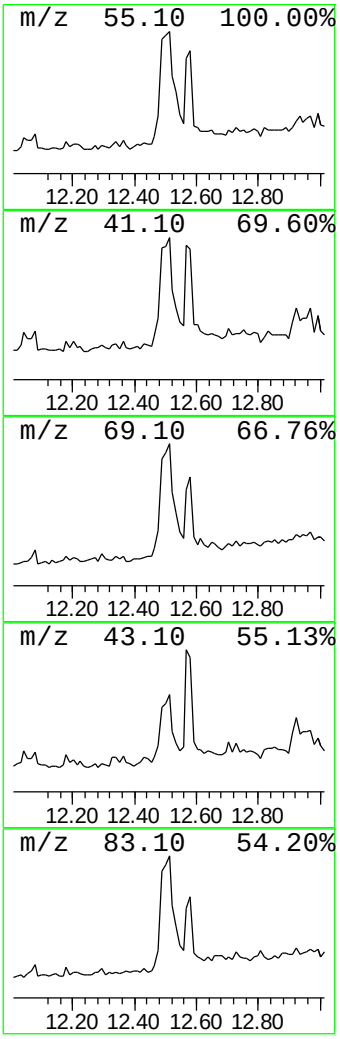
Peak Number 15 14-Pentadecenoic acid Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.51	47.43 ng	2638460	Phenanthrene-d10	11.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	14-Pentadecenoic acid	240	C15H28O2	017351-34-7	83
2	15-Tetracosenoic acid, methyl es...	380	C25H48O2	002733-88-2	81
3	Oleic Acid	282	C18H34O2	000112-80-1	80
4	6-Octadecenoic acid, (Z)-	282	C18H34O2	000593-39-5	80
5	Cyclopropane, 1-(1,2-dimethylpro...	252	C18H36	041977-42-8	64





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Data File : BF083103.D
Acq On : 21 Nov 2015 4:31
Operator : UM/IZ
Sample : G4486-01
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-13

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF111915.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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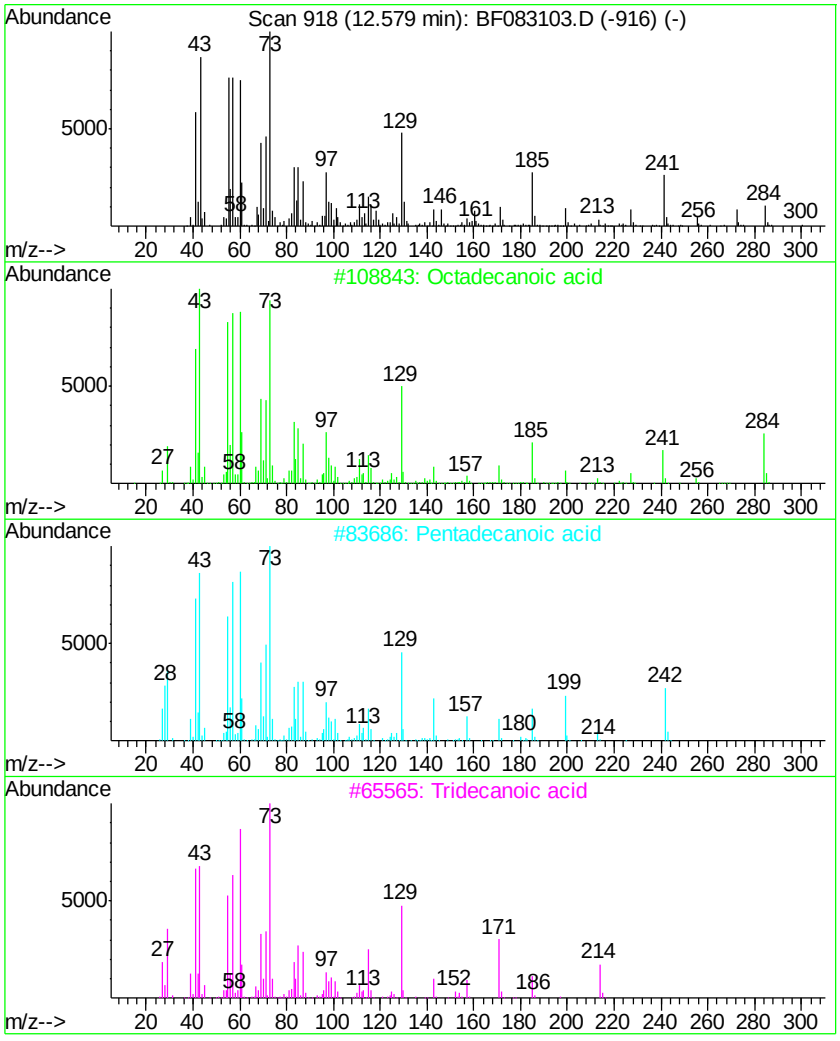
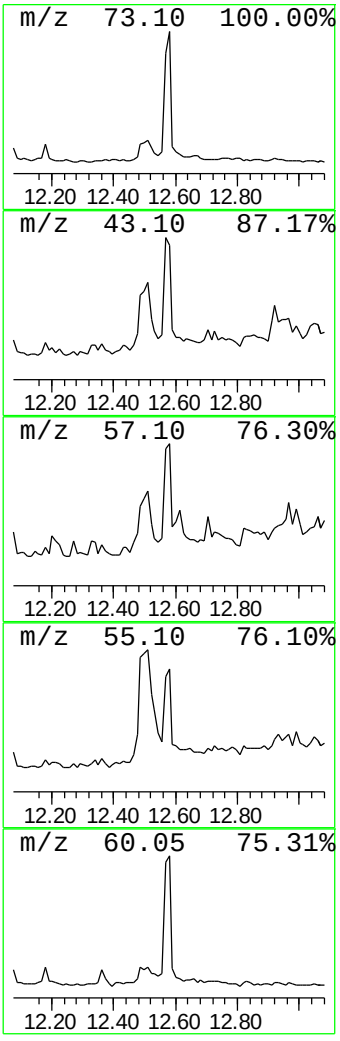
Peak Number 16 Octadecanoic acid Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.58	17.43 ng	1079030	Chrysene-d12	13.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	94
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	90
3	Tridecanoic acid	214	C13H26O2	000638-53-9	72
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	64
5	Octadecanoic acid, 2-(2-hydroxye...	372	C22H44O4	000106-11-6	64





Data Path : V:\HPCHEM1\BNA F\DATA\BF112015\
Data File : BF083103.D
Acq On : 21 Nov 2015 4:31
Operator : UM/IZ
Sample : G4486-01
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-13

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF111915.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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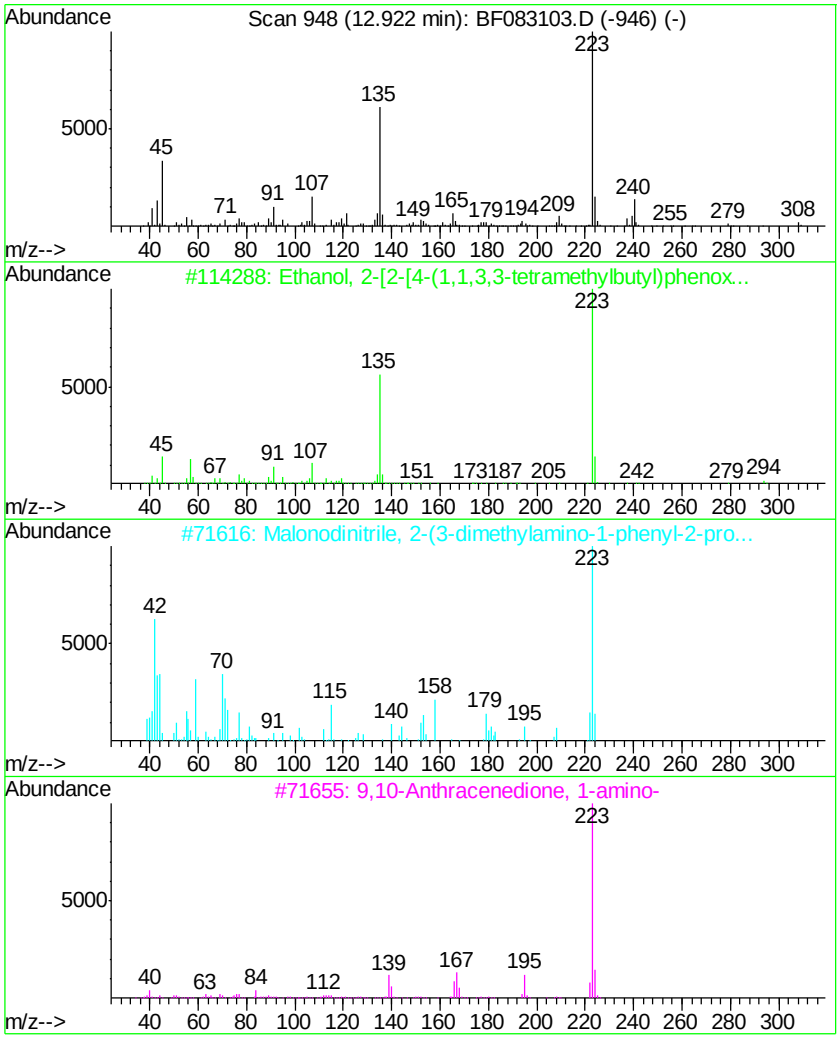
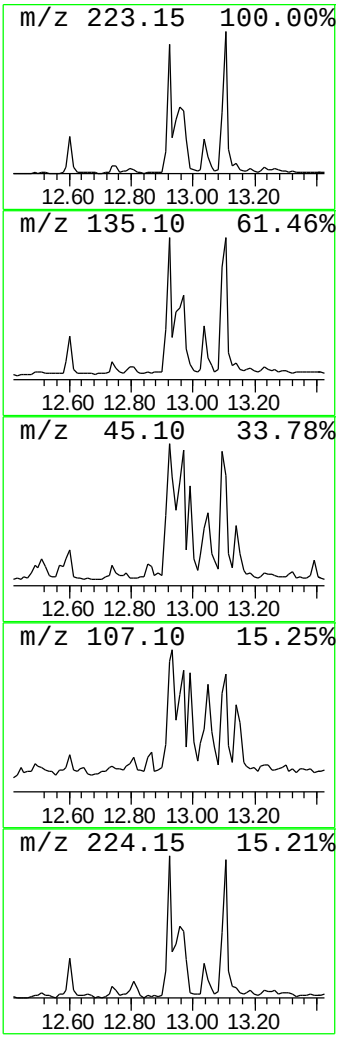
Peak Number 17 Ethanol, 2-[2-[4-(1,1,3,3-t... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.92	19.98 ng	1236550	Chrysene-d12	13.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol, 2-[2-[4-(1,1,3,3-tetram...	294	C18H30O3	002315-61-9	72
2	Malonodinitrile, 2-(3-dimethylam...	223	C14H13N3	065996-13-6	46
3	9,10-Anthracenedione, 1-amino-	223	C14H9NO2	000082-45-1	35
4	2-[p-Aminobenzyl]benzimidazole	223	C14H13N3	099206-51-6	35
5	(4-Oxo-2-phenyl-1,2,3,4-tetrahyd...	282	C16H14N2O3	1000190-14-1	25





Tentatively Identified Compound (LSC) summary

Data Path : V:\HPCHEM1\BNA_F\DATA\BF112015\
Data File : BF083103.D
Acq On : 21 Nov 2015 4:31
Operator : UM/IZ
Sample : G4486-01
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-13

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF111915.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
Butanoic acid, 3-...	5.23	12.7	ng	1798160	1	6.70	2837730	20.0
Pentanoic acid	5.69	13.1	ng	1857150	1	6.70	2837730	20.0
Hexanoic acid	6.53	8.9	ng	1258000	1	6.70	2837730	20.0
Octanoic Acid	8.06	25.1	ng	14582800	2	7.98	11606700	20.0
Propane, 1-chloro...	8.28	181.7	ng	105425000	2	7.98	11606700	20.0
2-Butanol, 3,3'-o...	8.32	60.2	ng	34936500	2	7.98	11606700	20.0
Benzeneacetic acid	8.52	4.3	ng	2466640	2	7.98	11606700	20.0
Dodecanoic acid	10.06	251.4	ng	16891500	3	9.74	1343870	20.0
Tetradecanoic acid	10.96	121.9	ng	6777980	4	11.22	1112470	20.0
n-Hexadecanoic acid	11.82	270.5	ng	15045000	4	11.22	1112470	20.0
14-Pentadecenoic ...	12.51	47.4	ng	2638460	4	11.22	1112470	20.0
Octadecanoic acid	12.58	17.4	ng	1079030	5	13.85	1237800	20.0
Ethanol, 2-[2-[4-...	12.92	20.0	ng	1236550	5	13.85	1237800	20.0