LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100716\
Data File : BF090468.D
Acq On : 8 Oct 2016 5:32
Operator : UM/SJ
Sample : H5120-04
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RAV-GT-105

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-BF100516.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	5.171	246	248	251	rBV	465634	465505	7.07%	0.980%
2	5.594	282	285	287	rBV	2324181	1962450	29.82%	4.133%
3	6.611	371	374	376	rBV	1612788	1402207	21.30%	2.953%
4	6.749	384	386	389	rBV	2666494	3127704	47.52%	6.587%
5	6.989	404	407	409	rBV	1238379	1260955	19.16%	2.656%
6	7.149	418	421	423	rVB	3141188	4079522	61.98%	8.591%
7	7.549	453	456	458	rBV	3550298	3492225	53.06%	7.355%
8	7.994	492	495	502	rBV2	132395	202287	3.07%	0.426%
9	8.269	517	519	522	rBV	1438852	1730886	26.30%	3.645%
10	9.183	596	599	602	rBV	249528	260879	3.96%	0.549%
11	9.355	611	614	616	rBV	7110345	6423065	97.59%	13.527%
12	9.743	646	648	650	rVB	393767	323209	4.91%	0.681%
13	10.040	671	674	676	rVB	1774630	2088301	31.73%	4.398%
14	10.257	688	693	695	rBV	2143446	2788690	42.37%	5.873%
15	10.829	740	743	745	rBV	3016166	3069703	46.64%	6.465%
16	10.875	745	747	751	rVV3	61596	115203	1.75%	0.243%
17	10.943	751	753	757	rVB	91100	127529	1.94%	0.269%
18	11.195	773	775	777	rBV	399233	543176	8.25%	1.144%
19	11.389	790	792	794	rBV2	61936	70879	1.08%	0.149%
20	11.526	801	804	806	rBV	2702505	2243997	34.09%	4.726%
21	12.052	848	850	852	rBV	737641	671713	10.21%	1.415%
22	12.623	898	900	907	rBV3	38164	85536	1.30%	0.180%
23	12.761	908	912	917	rBV	175907	294891	4.48%	0.621%
24	12.841	917	919	926	rVB	425203	454721	6.91%	0.958%
25	13.115	941	943	946	rBV	4764015	6581675	100.00%	13.861%
26	13.686	991	993	999	rVB2	41212	69432	1.05%	0.146%
27	14.018	1019	1022	1026	rBV	193051	254185	3.86%	0.535%
28	14.178	1032	1036	1038	rBV	1230704	1714167	26.04%	3.610%
29	15.584	1156	1159	1163	rVB2	36752	92506	1.41%	0.195%
30	15.664	1163	1166	1169	rBV	723854	1110118	16.87%	2.338%
31	16.441	1226	1234	1235	rBV6	25857	118982	1.81%	0.251%
32	16.521	1238	1241	1252	rVB	66420	180103	2.74%	0.379%
33	18.898	1444	1449	1452	rBV3	24858	77776	1.18%	0.164%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100716\
Data File : BF090468.D
Acq On : 8 Oct 2016 5:32
Operator : UM/SJ
Sample : H5120-04
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RAV-GT-105

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-BF100516.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

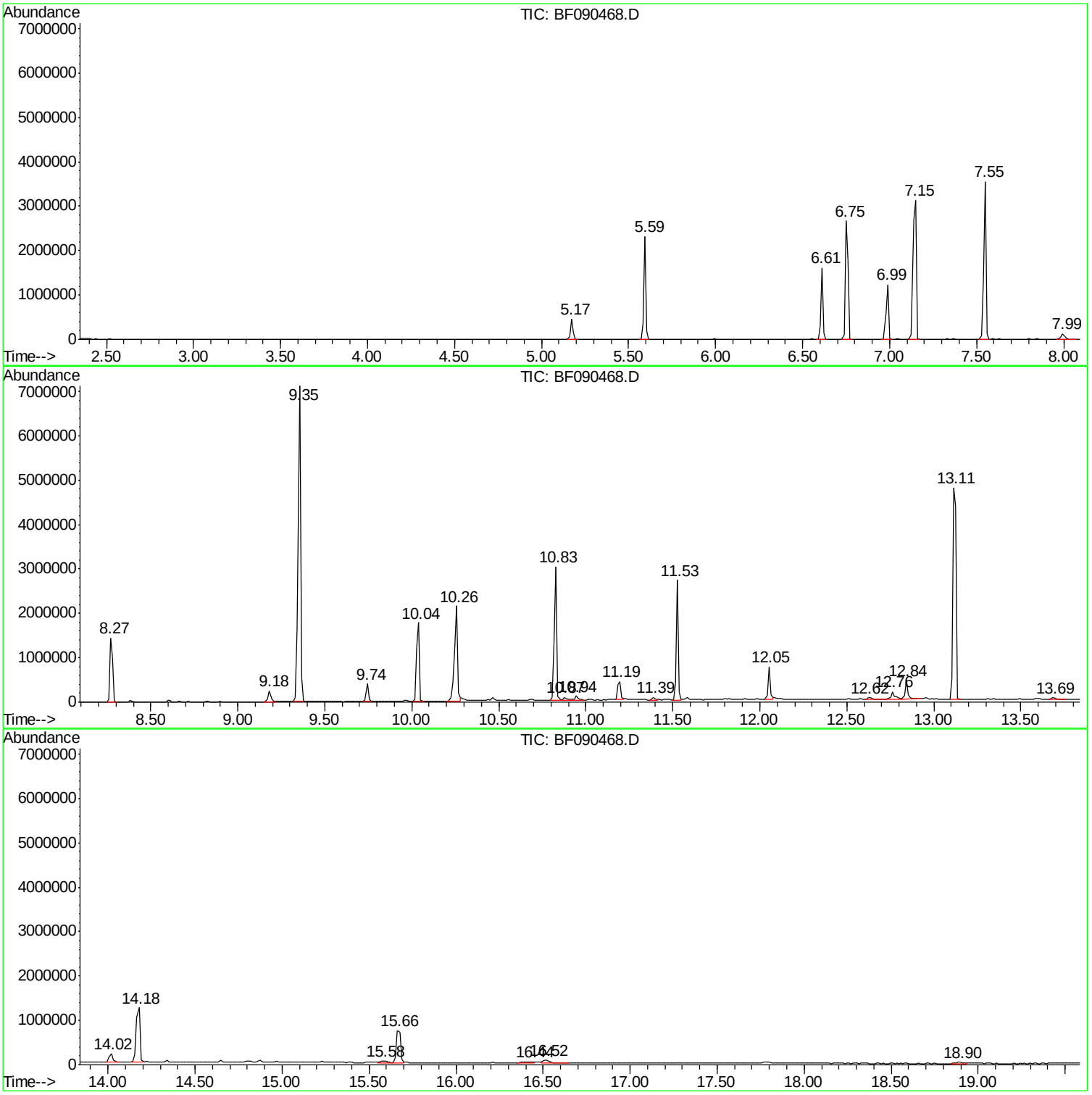
Sum of corrected areas: 47484177

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100716\
Data File : BF090468.D
Acq On : 8 Oct 2016 5:32
Operator : UM/SJ
Sample : H5120-04
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RAV-GT-105

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF100516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100716\
Data File : BF090468.D
Acq On : 8 Oct 2016 5:32
Operator : UM/SJ
Sample : H5120-04
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RAV-GT-105

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF100516.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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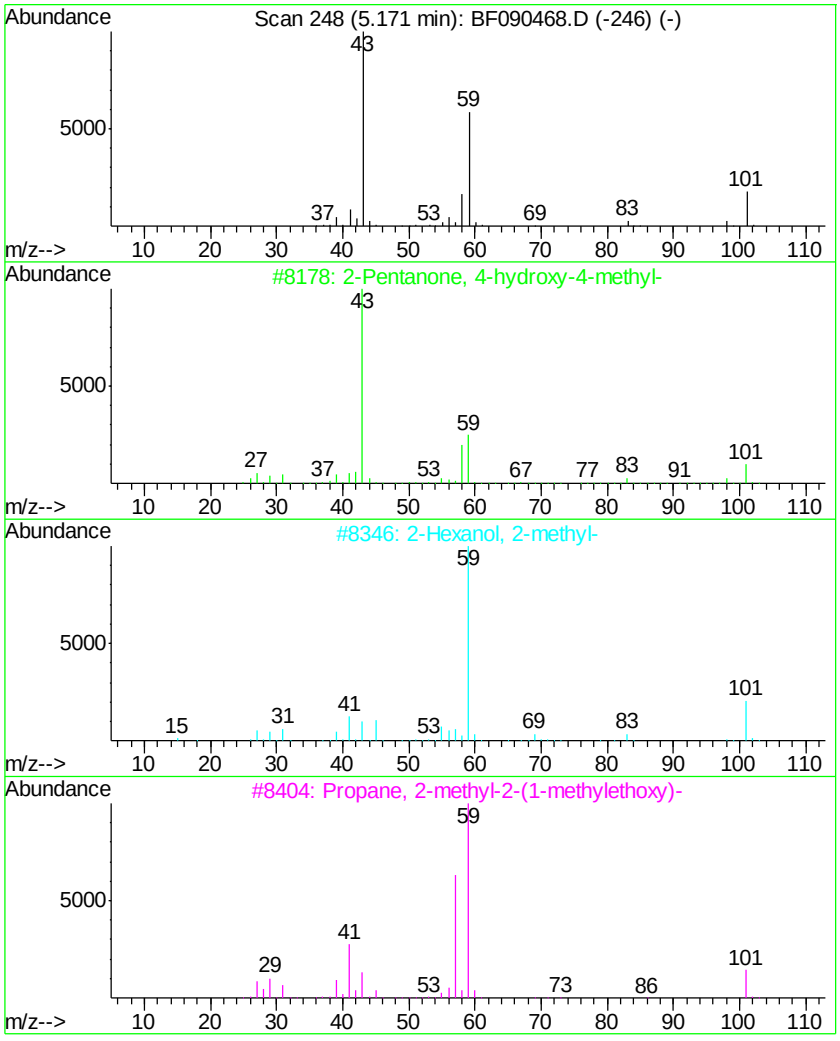
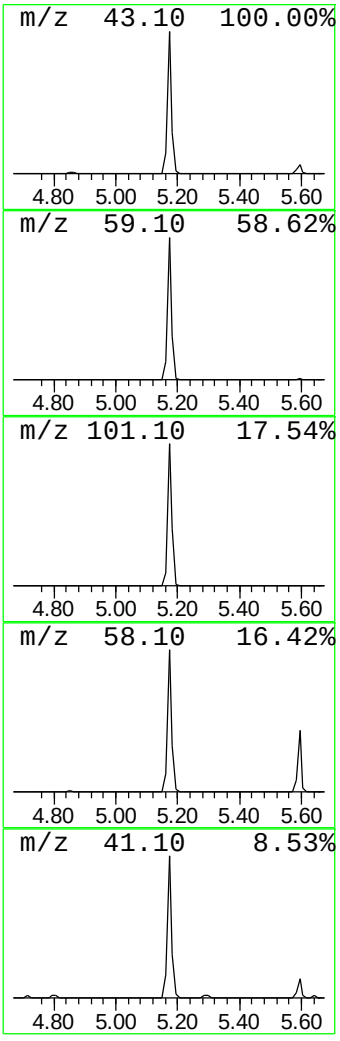
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.17	7.38 ng	465505	1,4-Dichlorobenzene-d4	6.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	38
3	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	33
4	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23
5	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100716\
Data File : BF090468.D
Acq On : 8 Oct 2016 5:32
Operator : UM/SJ
Sample : H5120-04
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RAV-GT-105

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF100516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

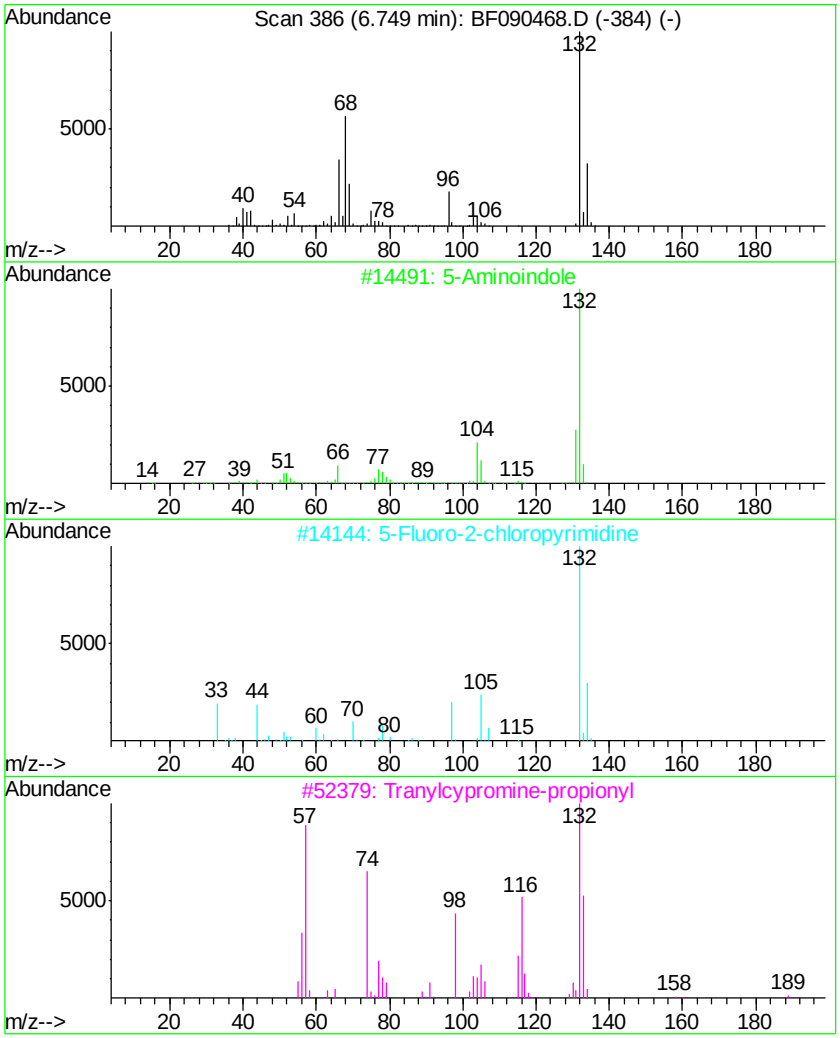
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

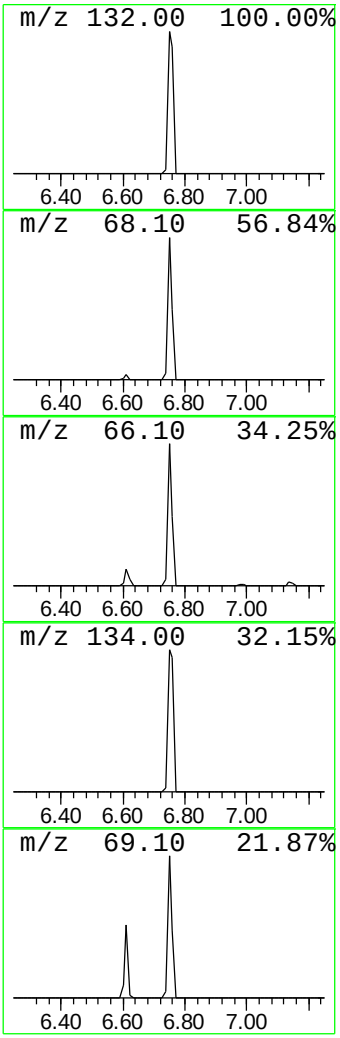
****

Peak Number 2 unknown6.75 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.75	49.61 ng	3127700	1,4-Dichlorobenzene-d4	6.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Aminoindole	132	C8H8N2	005192-03-0	22
2	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4	2-Cyclohexen-1-one	96	C6H8O	000930-68-7	10
5	1,3,4-Thiadiazole-2(3H)-thione, ...	132	C3H4N2S2	029490-19-5	9





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100716\
Data File : BF090468.D
Acq On : 8 Oct 2016 5:32
Operator : UM/SJ
Sample : H5120-04
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RAV-GT-105

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF100516.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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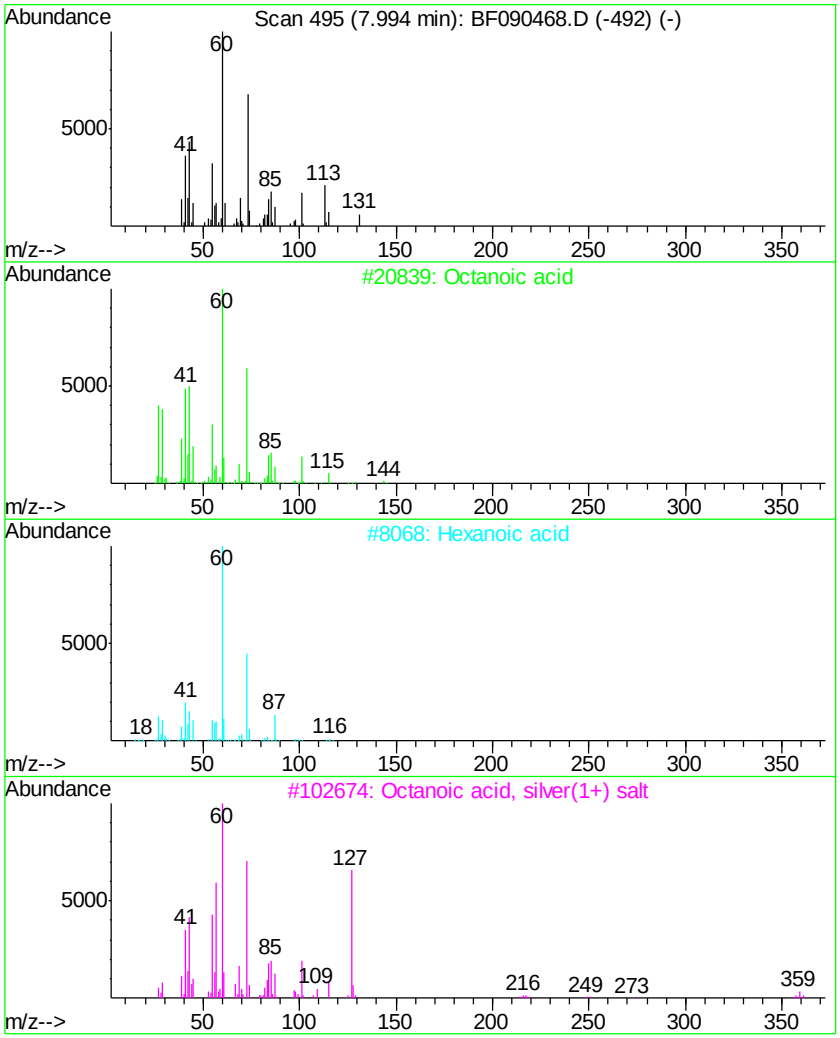
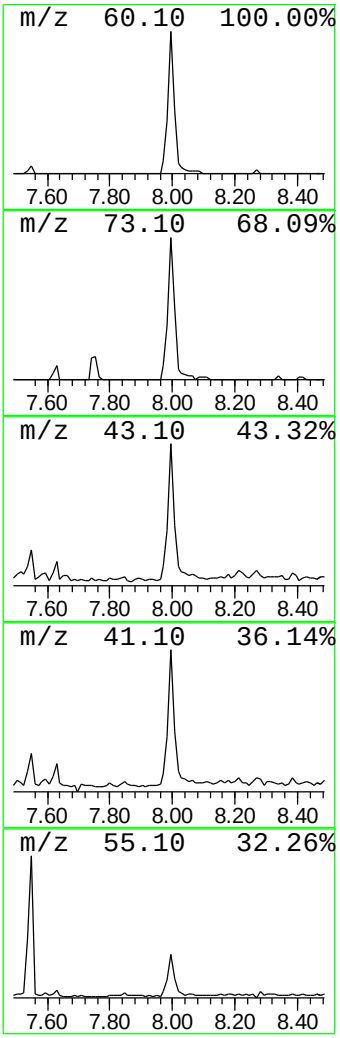
Peak Number 4 Octanoic acid Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.99	2.34 ng	202287	Naphthalene-d8	8.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octanoic acid	144	C8H16O2	000124-07-2	72
2	Hexanoic acid	116	C6H12O2	000142-62-1	53
3	Octanoic acid, silver(1+) salt	250	C8H15AgO2	024927-67-1	49
4	Heptanoic acid	130	C7H14O2	000111-14-8	40
5	Propanedioic acid, propyl-	146	C6H10O4	000616-62-6	40





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100716\
Data File : BF090468.D
Acq On : 8 Oct 2016 5:32
Operator : UM/SJ
Sample : H5120-04
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RAV-GT-105

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF100516.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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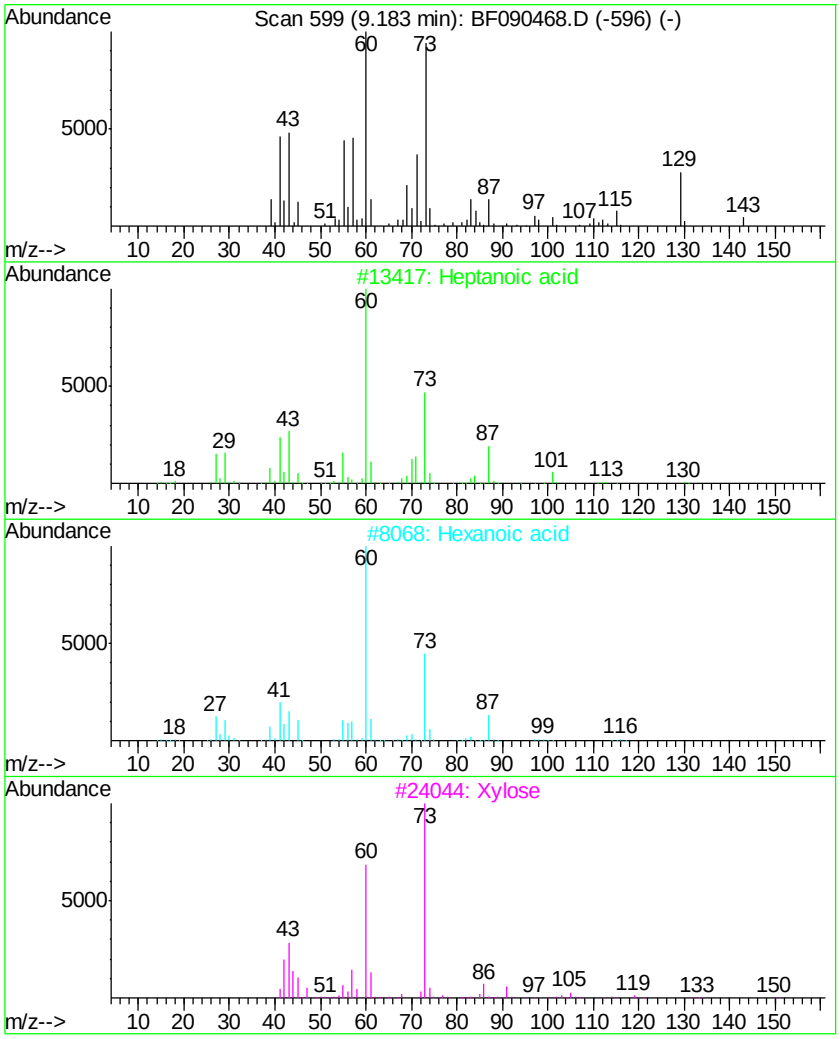
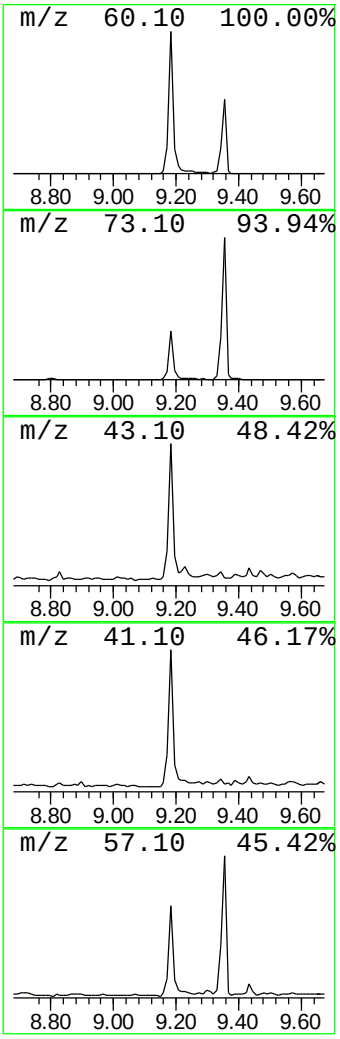
Peak Number 5 Heptanoic acid Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.18	2.50 ng	260879	Acenaphthene-d10	10.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptanoic acid	130	C7H14O2	000111-14-8	59
2	Hexanoic acid	116	C6H12O2	000142-62-1	49
3	Xylose	150	C5H10O5	000058-86-6	47
4	Octanoic acid, silver(1+) salt	250	C8H15AgO2	024927-67-1	47
5	Pentanoic acid	102	C5H10O2	000109-52-4	46





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100716\
Data File : BF090468.D
Acq On : 8 Oct 2016 5:32
Operator : UM/SJ
Sample : H5120-04
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RAV-GT-105

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF100516.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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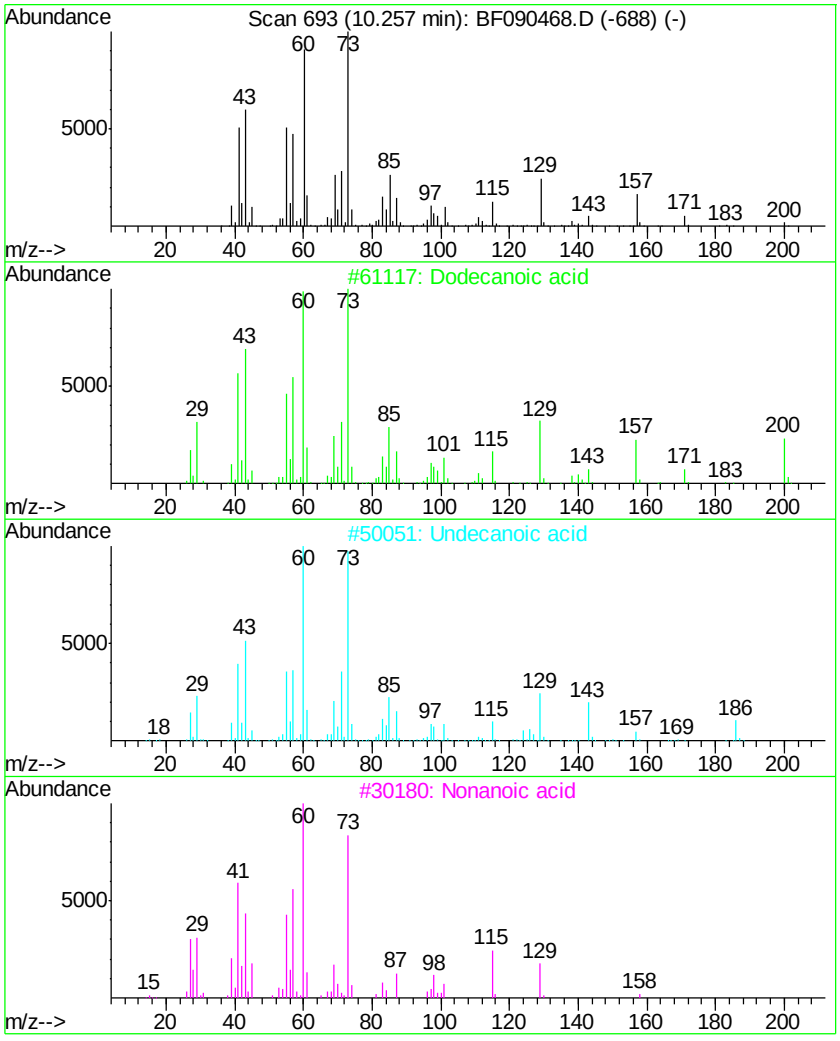
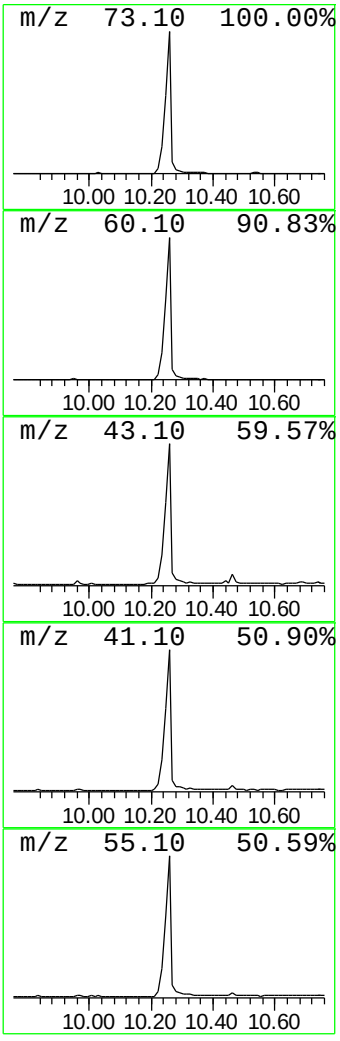
Peak Number 6 Dodecanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.26	26.71 ng	2788690	Acenaphthene-d10	10.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecanoic acid	200	C12H24O2	000143-07-7	94
2	Undecanoic acid	186	C11H22O2	000112-37-8	90
3	Nonanoic acid	158	C9H18O2	000112-05-0	52
4	Ethanone, 1-(4,5-dihydro-2-thiaz...	129	C5H7NOS	029926-41-8	47
5	Hexanoic acid	116	C6H12O2	000142-62-1	46





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100716\
Data File : BF090468.D
Acq On : 8 Oct 2016 5:32
Operator : UM/SJ
Sample : H5120-04
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RAV-GT-105

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF100516.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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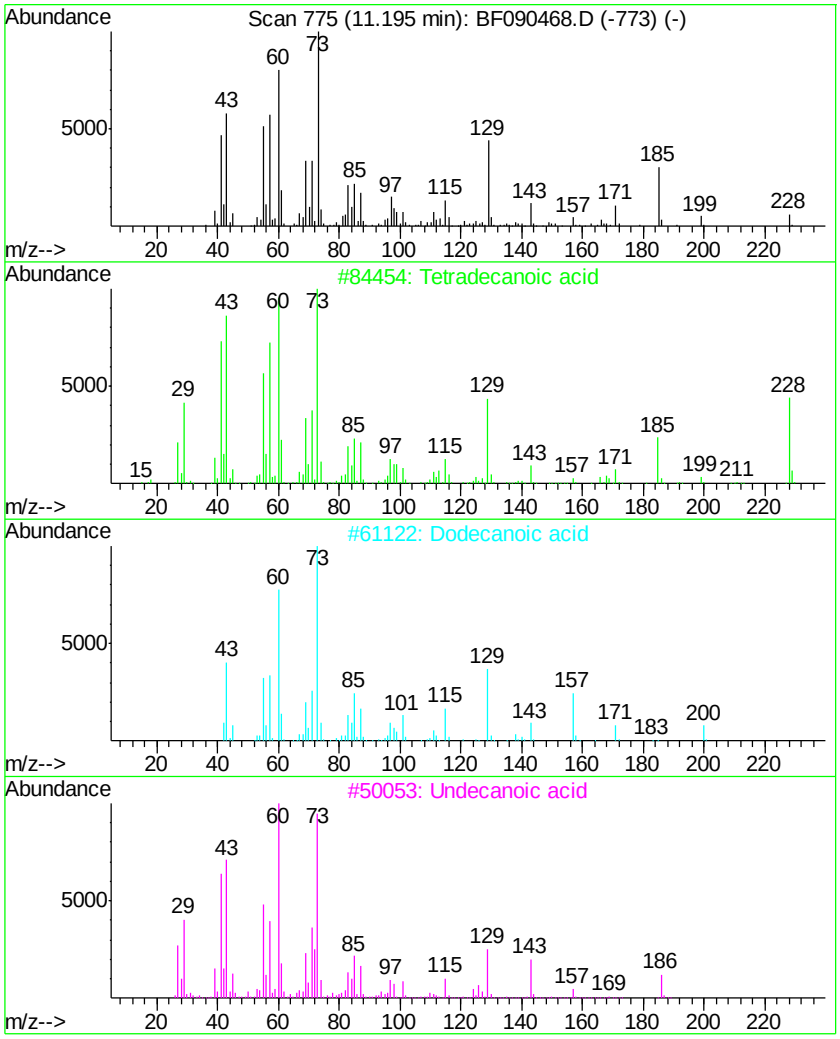
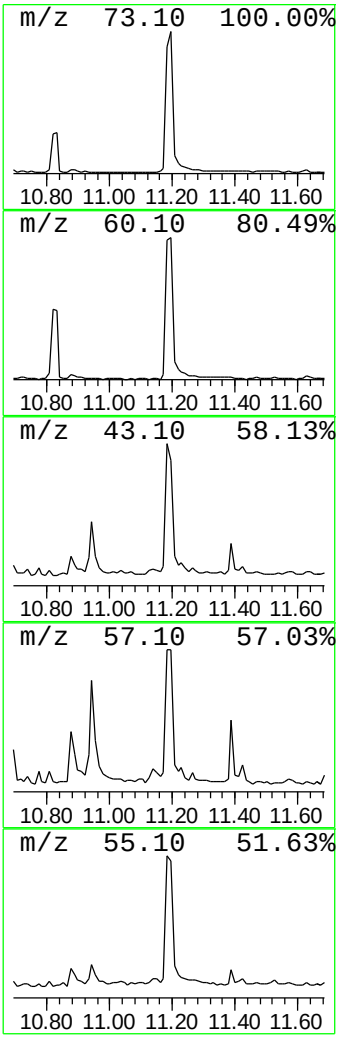
Peak Number 7 Tetradecanoic acid Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.19	4.84 ng	543176	Phenanthrene-d10	11.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecanoic acid	228	C14H28O2	000544-63-8	94
2	Dodecanoic acid	200	C12H24O2	000143-07-7	80
3	Undecanoic acid	186	C11H22O2	000112-37-8	64
4	Tridecanoic acid	214	C13H26O2	000638-53-9	64
5	11-Bromoundecanoic acid	264	C11H21BrO2	002834-05-1	40





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100716\
Data File : BF090468.D
Acq On : 8 Oct 2016 5:32
Operator : UM/SJ
Sample : H5120-04
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RAV-GT-105

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF100516.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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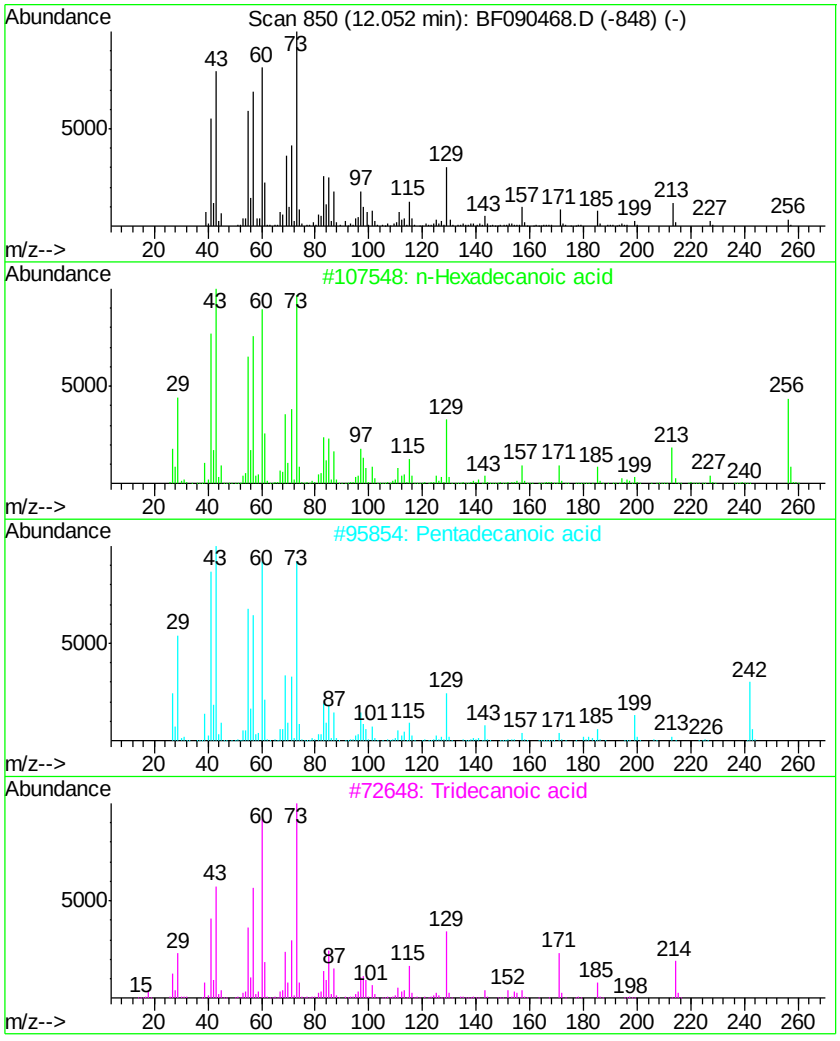
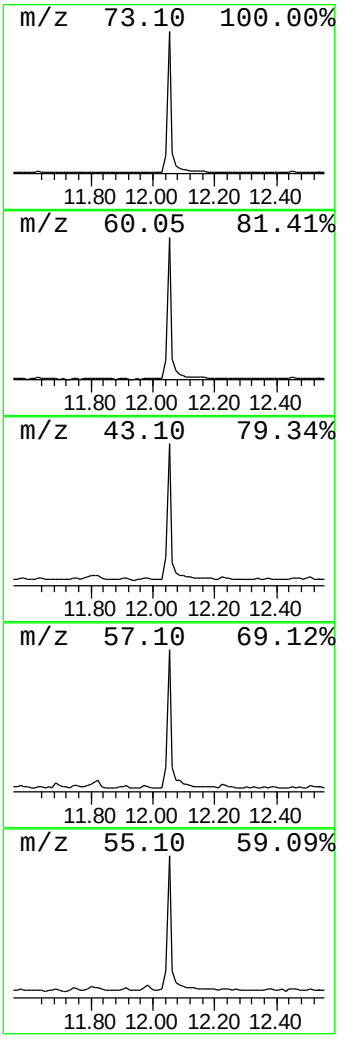
Peak Number 8 n-Hexadecanoic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.05	5.99 ng	671713	Phenanthrene-d10	11.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	86
3	Tridecanoic acid	214	C13H26O2	000638-53-9	80
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	76
5	Dodecanoic acid	200	C12H24O2	000143-07-7	62





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100716\
Data File : BF090468.D
Acq On : 8 Oct 2016 5:32
Operator : UM/SJ
Sample : H5120-04
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RAV-GT-105

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF100516.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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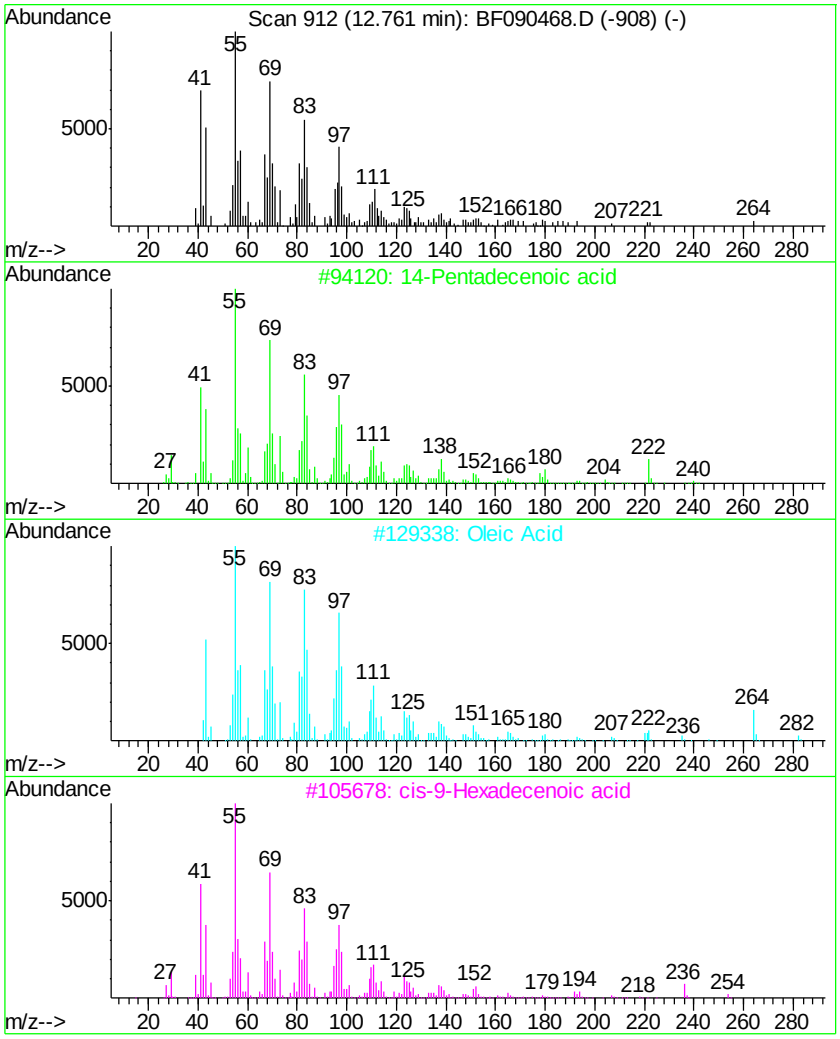
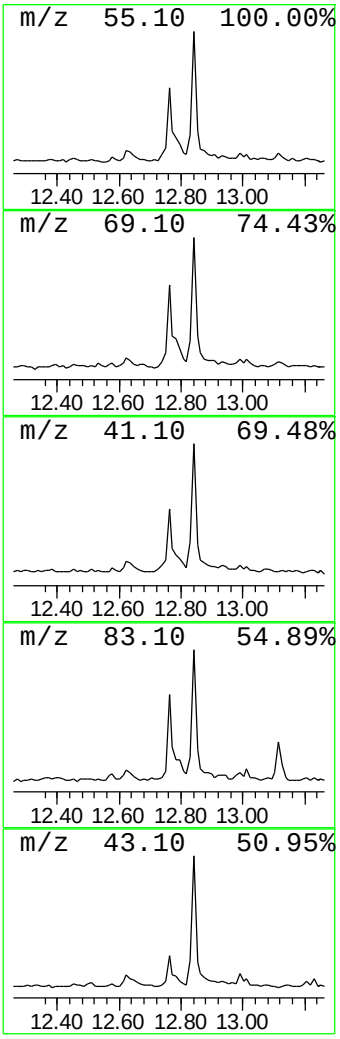
Peak Number 9 14-Pentadecenoic acid Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.76	2.63 ng	294891	Phenanthrene-d10	11.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	14-Pentadecenoic acid	240	C15H28O2	017351-34-7	90
2	Oleic Acid	282	C18H34O2	000112-80-1	87
3	cis-9-Hexadecenoic acid	254	C16H30O2	1000333-19-5	64
4	cis-Vaccenic acid	282	C18H34O2	000506-17-2	60
5	9-Octadecenoic acid, (E)-	282	C18H34O2	000112-79-8	60





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100716\
Data File : BF090468.D
Acq On : 8 Oct 2016 5:32
Operator : UM/SJ
Sample : H5120-04
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RAV-GT-105

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF100516.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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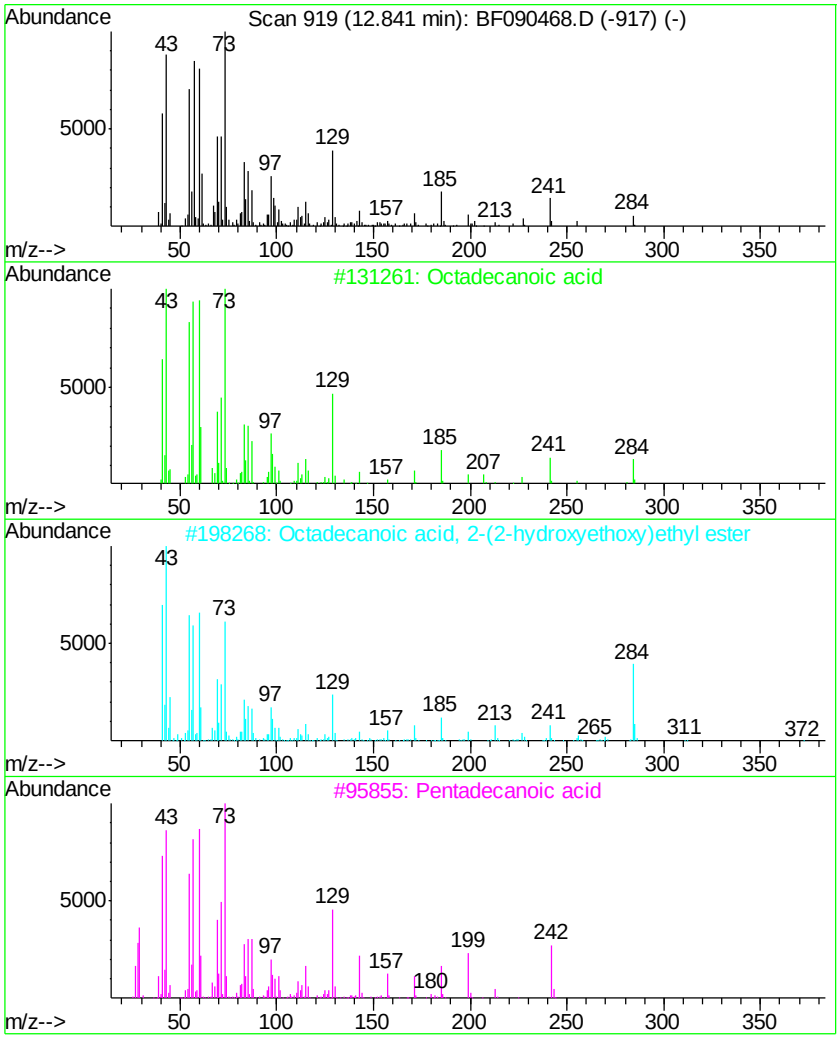
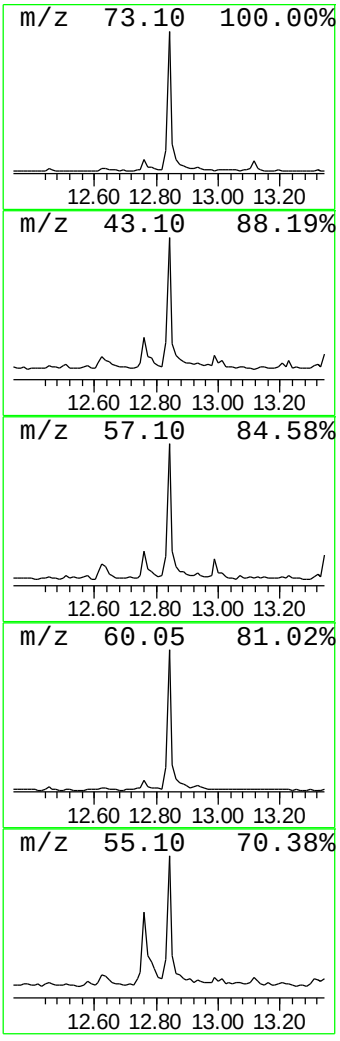
Peak Number 10 Octadecanoic acid Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.84	4.05 ng	454721	Phenanthrene-d10	11.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2	Octadecanoic acid, 2-(2-hydroxye...	372	C22H44O4	000106-11-6	90
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	87
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	83
5	n-Decanoic acid	172	C10H20O2	000334-48-5	70





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100716\
Data File : BF090468.D
Acq On : 8 Oct 2016 5:32
Operator : UM/SJ
Sample : H5120-04
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RAV-GT-105

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF100516.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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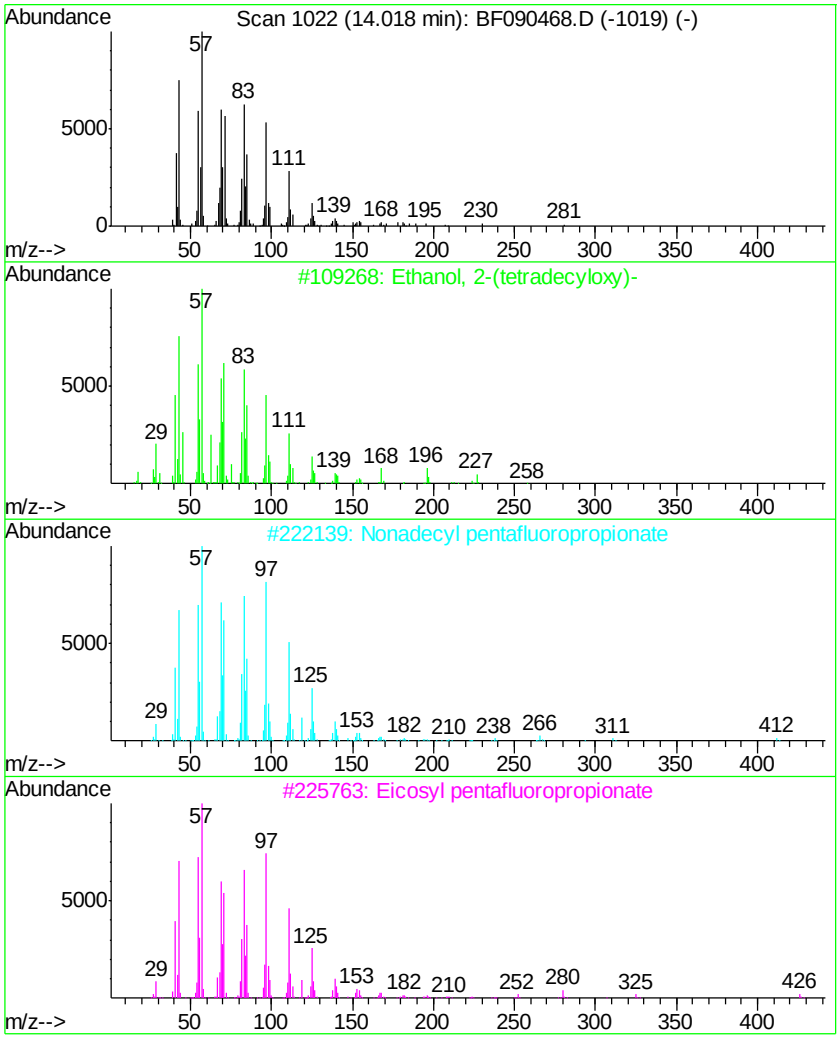
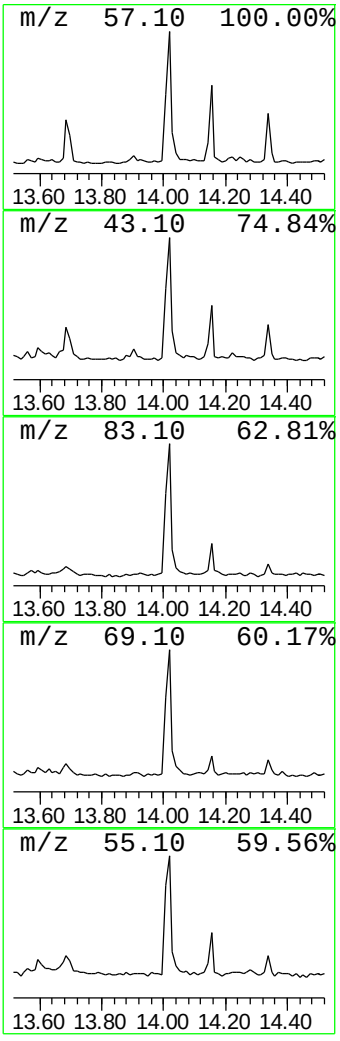
Peak Number 11 Ethanol, 2-(tetradecyloxy)- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.02	2.97 ng	254185	Chrysene-d12	14.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol, 2-(tetradecyloxy)-	258	C16H34O2	002136-70-1	91
2	Nonadecyl pentafluoropropionate	430	C22H39F5O2	1000351-88-8	91
3	Eicosyl pentafluoropropionate	444	C23H41F5O2	1000351-80-8	91
4	Eicosyl heptafluorobutyrate	494	C24H41F7O2	1000351-83-5	91
5	Pentafluoropropionic acid, octad...	416	C21H37F5O2	959261-25-7	90





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100716\
Data File : BF090468.D
Acq On : 8 Oct 2016 5:32
Operator : UM/SJ
Sample : H5120-04
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RAV-GT-105

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF100516.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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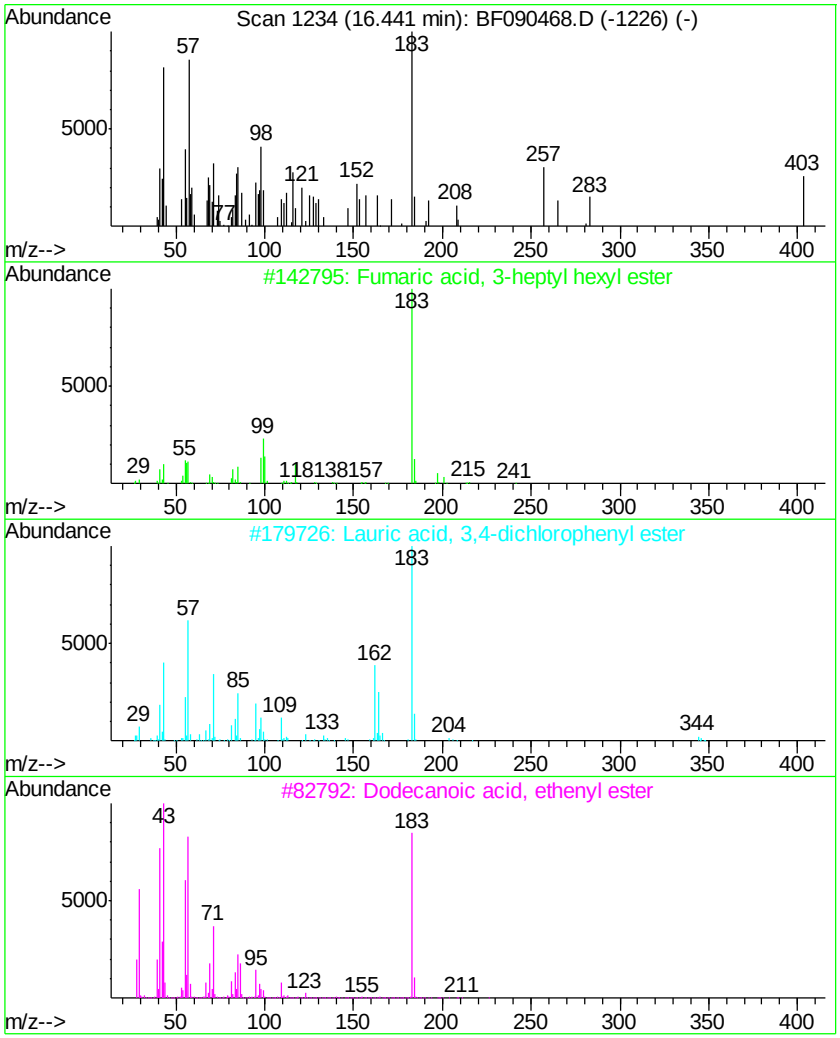
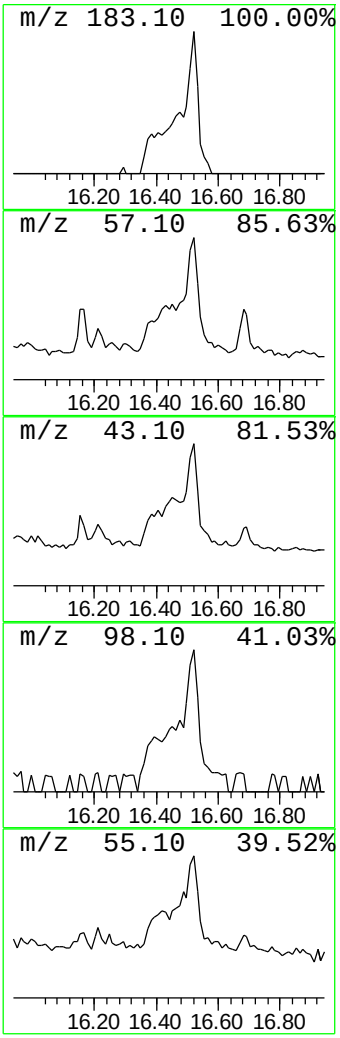
Peak Number 12 unknown16.44 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.44	2.14 ng	118982	Perylene-d12	15.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fumaric acid, 3-heptyl hexyl ester	298	C17H30O4	1000348-68-3	27
2	Lauric acid, 3,4-dichlorophenyl ...	344	C18H26Cl2O2	1000357-92-7	27
3	Dodecanoic acid, ethenyl ester	226	C14H26O2	002146-71-6	27
4	Fumaric acid, 4-heptyl hexyl ester	298	C17H30O4	1000348-51-5	27
5	5-Hydrazinocarbonyl-1H-imidazole...	183	C6H9N5O2	1000318-13-3	22





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100716\
Data File : BF090468.D
Acq On : 8 Oct 2016 5:32
Operator : UM/SJ
Sample : H5120-04
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RAV-GT-105

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF100516.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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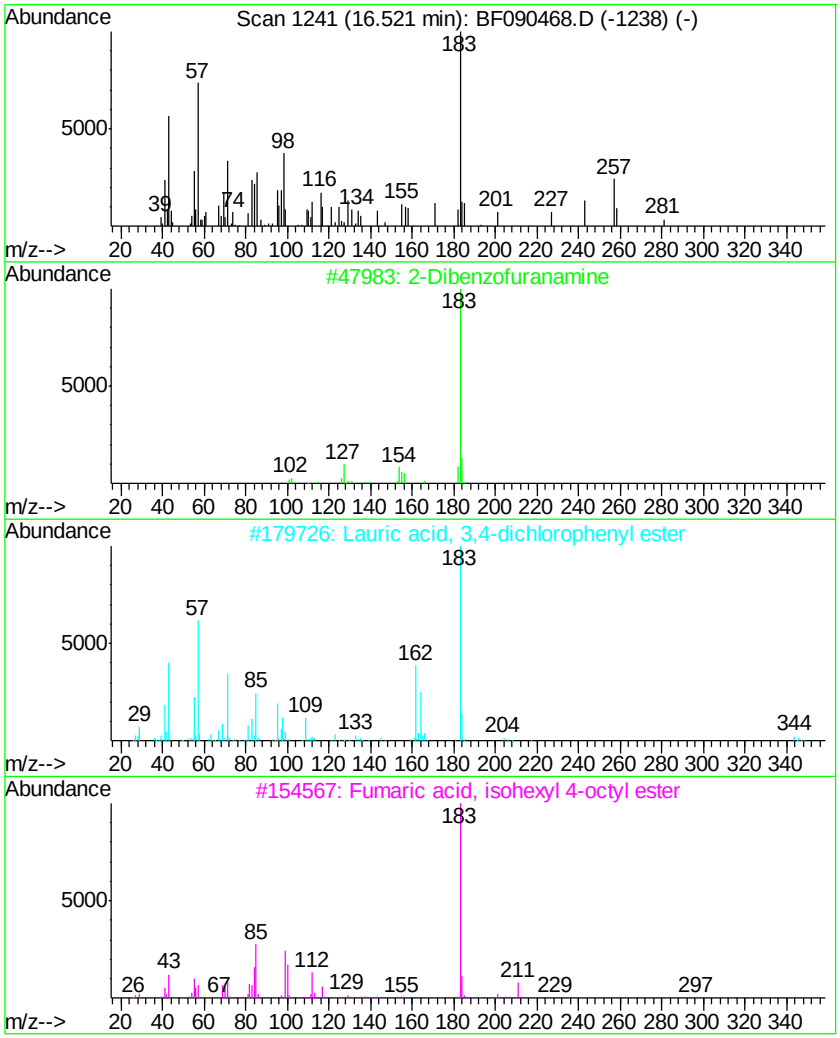
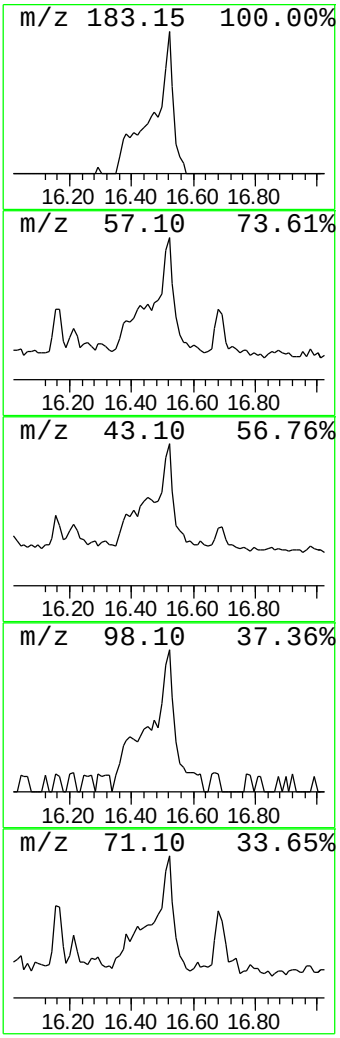
Peak Number 13 unknown16.52 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.52	3.24 ng	180103	Perylene-d12	15.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Dibenzofuranamine	183	C12H9NO	003693-22-9	47
2	Lauric acid, 3,4-dichlorophenyl ...	344	C18H26Cl2O2	1000357-92-7	43
3	Fumaric acid, isohexyl 4-octyl e...	312	C18H32O4	1000339-21-6	40
4	3-Dibenzofuranamine	183	C12H9NO	004106-66-5	38
5	Fumaric acid, cyclobutyl isohexy...	254	C14H22O4	1000345-03-5	38





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100716\
Data File : BF090468.D
Acq On : 8 Oct 2016 5:32
Operator : UM/SJ
Sample : H5120-04
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RAV-GT-105

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF100516.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	7.4	ng	465505	1	6.99	1260960	20.0
unknown6.75	6.75	49.6	ng	3127700	1	6.99	1260960	20.0
Octanoic acid	7.99	2.3	ng	202287	2	8.27	1730890	20.0
Heptanoic acid	9.18	2.5	ng	260879	3	10.04	2088300	20.0
Dodecanoic acid	10.26	26.7	ng	2788690	3	10.04	2088300	20.0
Tetradecanoic acid	11.19	4.8	ng	543176	4	11.53	2244000	20.0
n-Hexadecanoic acid	12.05	6.0	ng	671713	4	11.53	2244000	20.0
14-Pentadecenoic ...	12.76	2.6	ng	294891	4	11.53	2244000	20.0
Octadecanoic acid	12.84	4.0	ng	454721	4	11.53	2244000	20.0
Ethanol, 2-(tetra...	14.02	3.0	ng	254185	5	14.18	1714170	20.0
unknown16.44	16.44	2.1	ng	118982	6	15.68	1110120	20.0
unknown16.52	16.52	3.2	ng	180103	6	15.68	1110120	20.0