

Data File : BF096913.D
Acq On : 20 Jul 2017 18:44
Operator : SJ/JU
Sample : I4246-11
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DRUM-4-5-6-7-COMP

Quant Time: Jul 21 03:26:47 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 18 13:33:22 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.57	152	104835	20.00	ng	-0.03
21) Naphthalene-d8	7.85	136	354254	20.00	ng	-0.04
38) Acenaphthene-d10	9.60	164	133087	20.00	ng	-0.03
63) Phenanthrene-d10	11.08	188	189968	20.00	ng	-0.02
75) Chrysene-d12	13.71	240	180204	20.00	ng	-0.02
86) Perylene-d12	15.07	264	181974	20.00	ng	-0.03

System Monitoring Compounds						
5) 2-Fluorophenol	5.19	112	399088	57.24	ng	-0.01
7) Phenol-d6	6.25	99	377797	45.15	ng	0.00
23) Nitrobenzene-d5	7.14	82	468394	81.90	ng	-0.03
41) 2,4,6-Tribromophenol	10.40	330	127103	111.89	ng	-0.02
44) 2-Fluorobiphenyl	8.94	172	807213	95.83	ng	-0.02
78) Terphenyl-d14	12.66	244	504167	48.52	ng	-0.03

Target Compounds						Qvalue
3) Pyridine	2.79	79	188233	24.97	ng	# 79
9) Benzaldehyde	6.12	77	13611	2.81	ng	94
15) Benzyl Alcohol	6.73	79	11365	2.07	ng	# 49
22) Acetophenone	6.98	105	89169	11.26	ng	# 96
24) Nitrobenzene	7.13	77	14299	2.42	ng	# 73
25) Isophorone	7.53	82	47195	4.44	ng	# 76
32) Benzoic acid	7.57	122	8730	2.52	ng	96
47) 2-Nitroaniline	9.15	65	20653	7.15	ng	# 26
50) 2,6-Dinitrotoluene	9.38	165	4897	2.26	ng	# 1
52) 3-Nitroaniline	9.57	138	6798	2.64	ng	# 22
53) 2,4-Dinitrophenol	9.63	184	238	6.94	ng	# 1
55) 4-Nitrophenol	9.71	139	5227	2.78	ng	# 1
59) Diethylphthalate	10.03	149	19600	2.01	ng	# 89
60) 4-Chlorophenyl-phenylether	10.18	204	1373	Below Cal		# 26
66) 4-Bromophenyl-phenylether	10.40	248	8250	4.25	ng	# 1
85) Indeno(1,2,3-cd)pyrene	16.33	276	157	3.34	ng	# 44

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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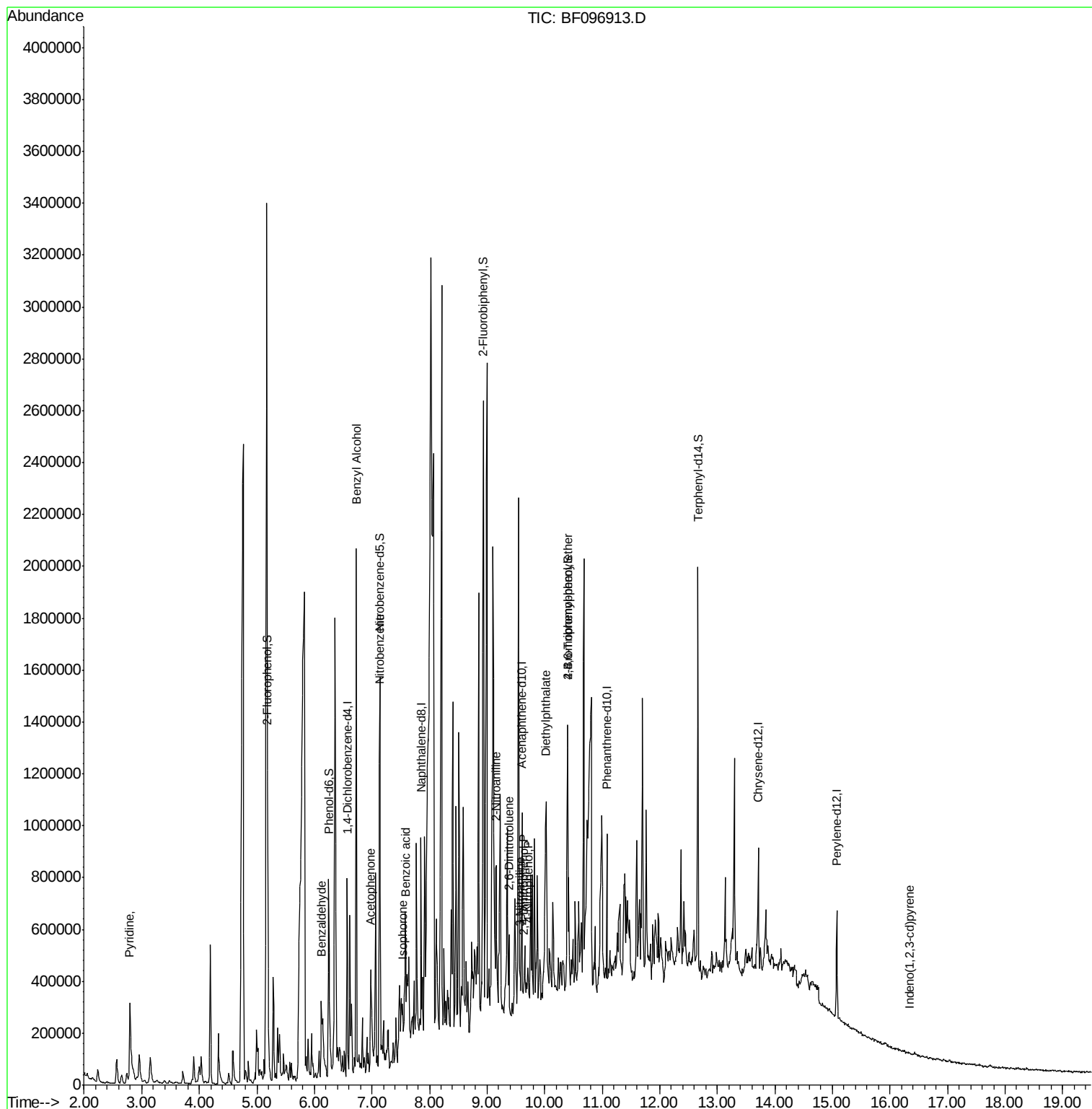
Quant Time: Jul 21 03:26:47 2017

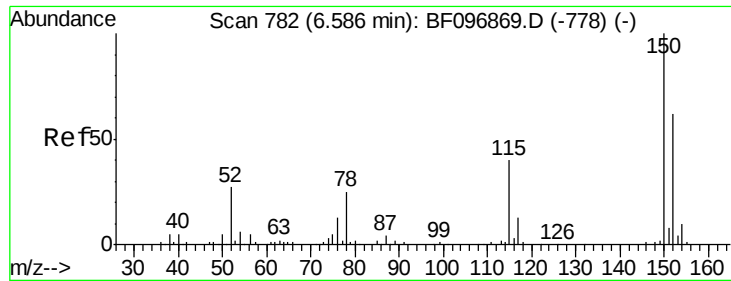
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071317.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Jul 18 13:33:22 2017

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.57 min Scan# 779

Delta R.T. -0.03 min

Lab File: BF096913.D

Acq: 20 Jul 2017 18:44

Instrument :

BNA_F

ClientSampleId :

DRUM-4-5-6-7-COMP

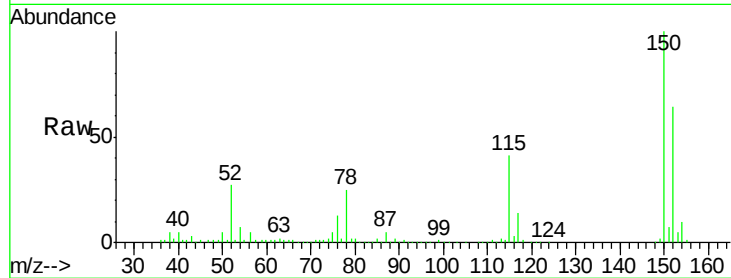
Tgt Ion:152 Resp: 104835

Ion Ratio Lower Upper

152 100

150 155.6 126.2 189.2

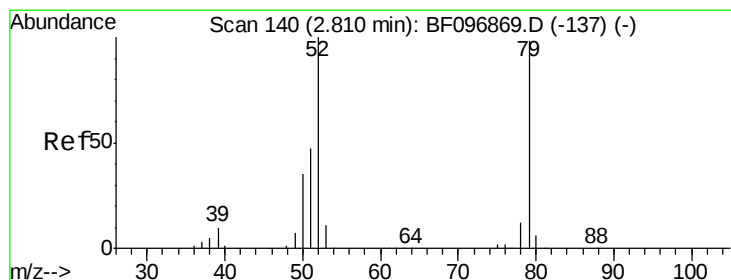
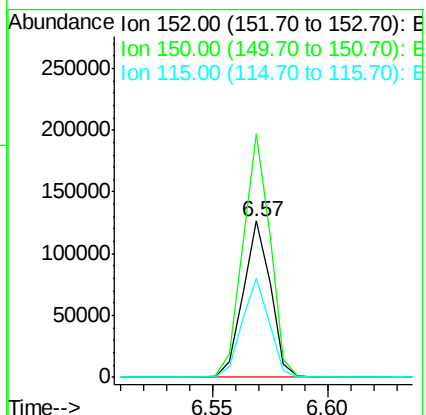
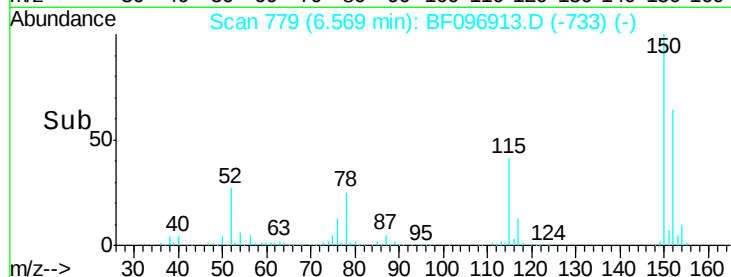
115 63.6 52.2 78.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#3

Pyridine

Concen: 24.97 ng

RT: 2.79 min Scan# 137

Delta R.T. -0.05 min

Lab File: BF096913.D

Acq: 20 Jul 2017 18:44

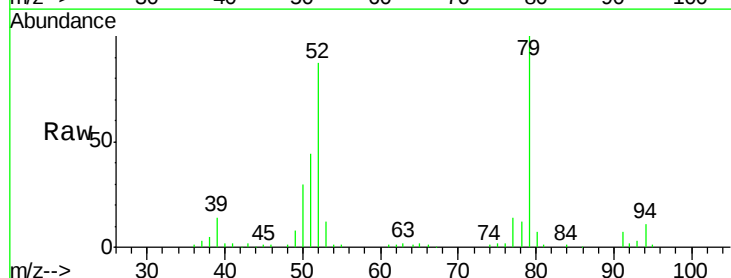
Tgt Ion: 79 Resp: 188233

Ion Ratio Lower Upper

79 100

52 86.6 54.8 82.2#

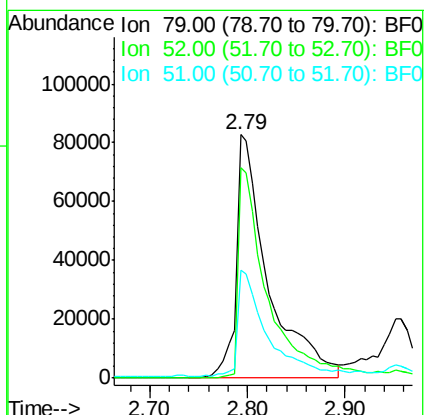
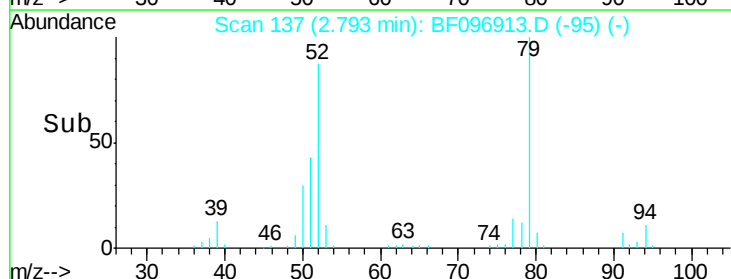
51 44.2 27.0 40.4#

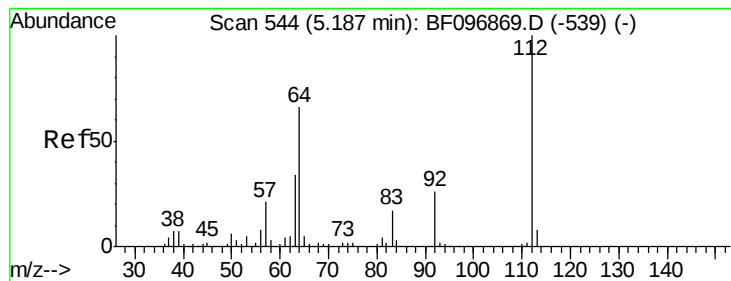


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 52.00 (51.70 to 52.70): BF0

Ion 51.00 (50.70 to 51.70): BF0





#5

2-Fluorophenol

Concen: 57.24 ng

RT: 5.19 min Scan# 544

Delta R.T. -0.01 min

Lab File: BF096913.D

Acq: 20 Jul 2017 18:44

Instrument :

BNA_F

ClientSampleId :

DRUM-4-5-6-7-COMP

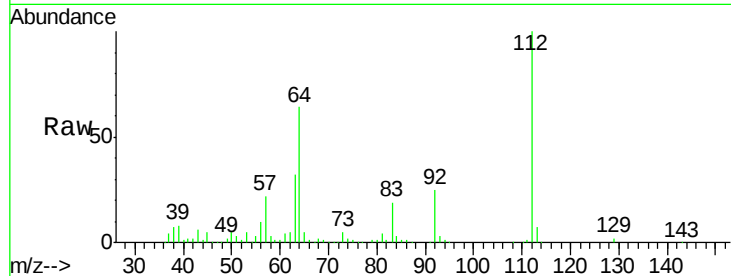
Tgt Ion: 112 Resp: 399088

Ion Ratio Lower Upper

112 100

64 64.3 46.0 69.0

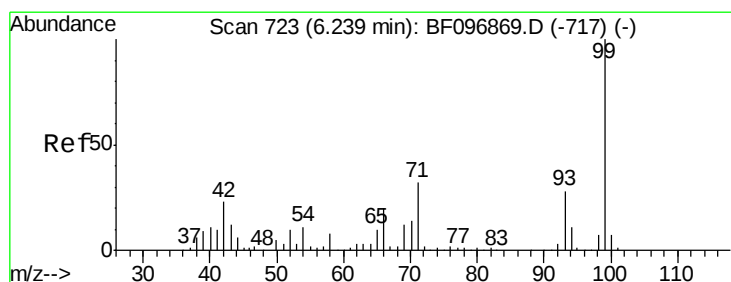
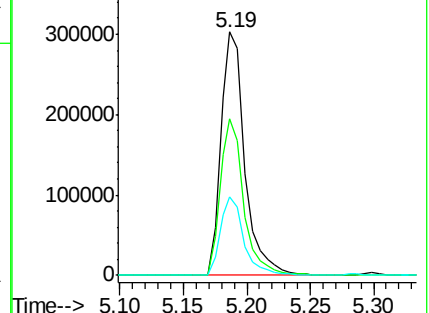
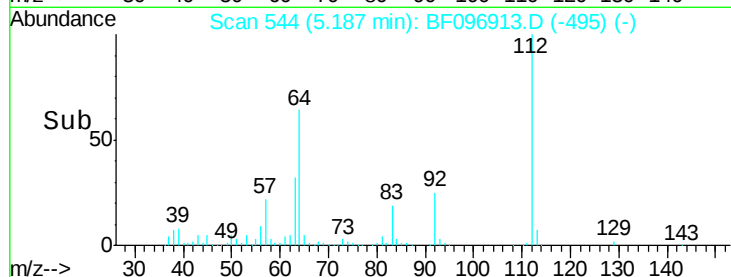
63 32.5 23.4 35.0



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#7

Phenol-d6

Concen: 45.15 ng

RT: 6.25 min Scan# 725

Delta R.T. 0.00 min

Lab File: BF096913.D

Acq: 20 Jul 2017 18:44

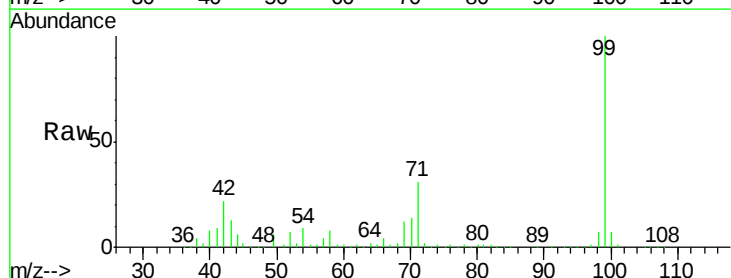
Tgt Ion: 99 Resp: 377797

Ion Ratio Lower Upper

99 100

42 22.3 13.5 20.3#

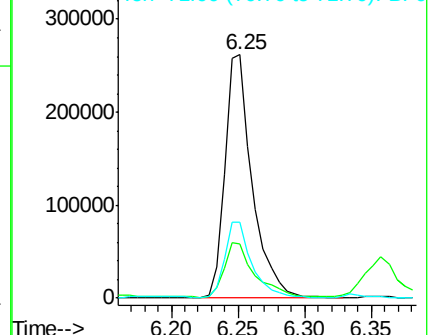
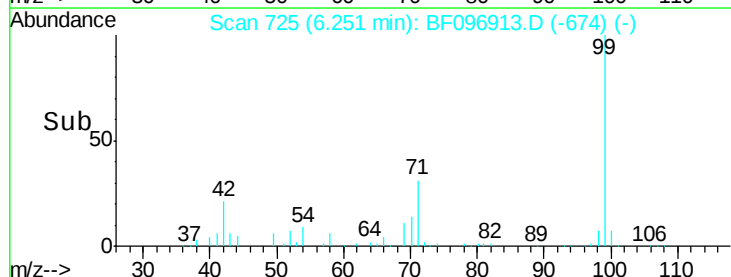
71 31.2 24.5 36.7

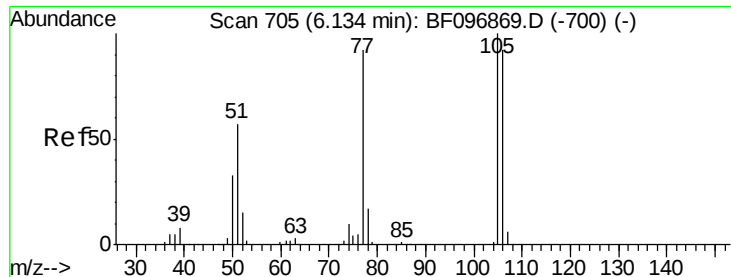


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#9

Benzaldehyde

Concen: 2.81 ng

RT: 6.12 min Scan# 702

Delta R.T. -0.03 min

Lab File: BF096913.D

Acq: 20 Jul 2017 18:44

Instrument :

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ClientSampleId :

DRUM-4-5-6-7-COMP

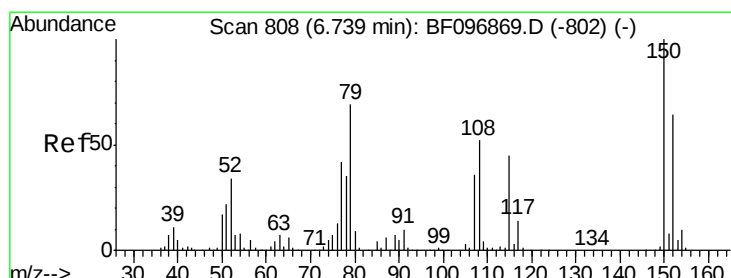
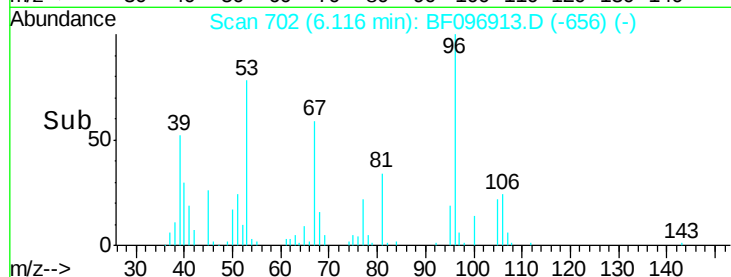
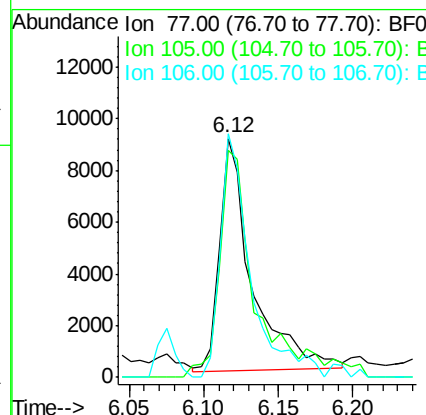
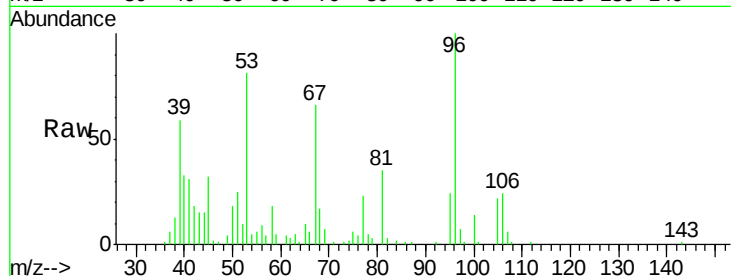
Tgt Ion: 77 Resp: 13611

Ion Ratio Lower Upper

77 100

105 95.1 83.8 123.8

106 101.9 79.1 119.1



#15

Benzyl Alcohol

Concen: 2.07 ng

RT: 6.73 min Scan# 806

Delta R.T. -0.02 min

Lab File: BF096913.D

Acq: 20 Jul 2017 18:44

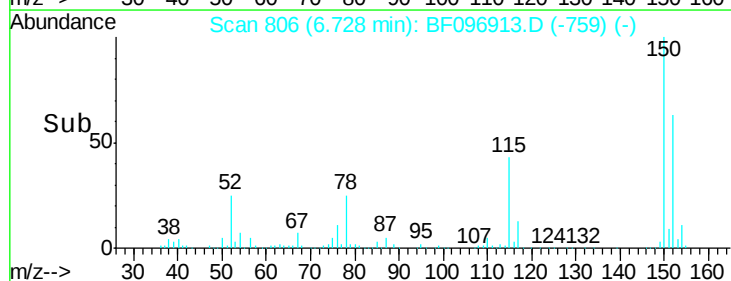
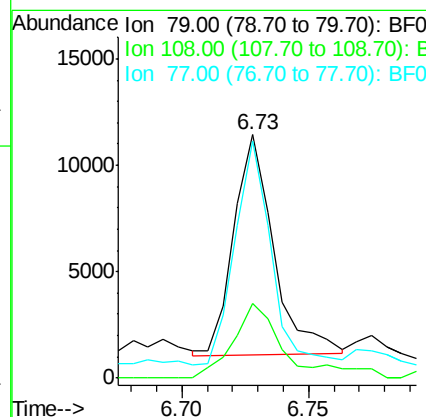
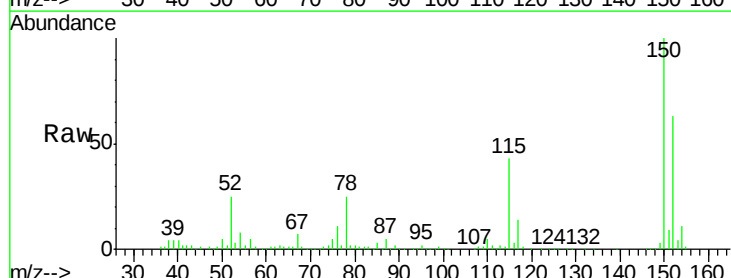
Tgt Ion: 79 Resp: 11365

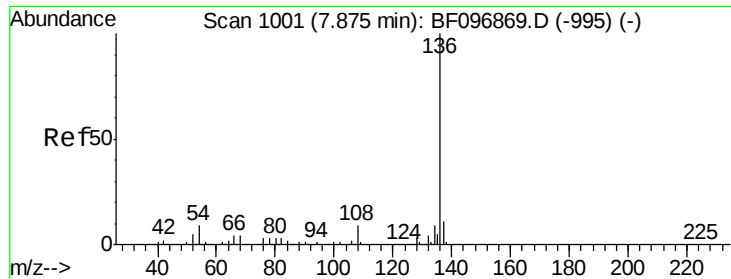
Ion Ratio Lower Upper

79 100

108 30.8 63.4 95.0#

77 97.2 49.2 73.8#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.85 min Scan# 997

Delta R.T. -0.04 min

Lab File: BF096913.D

Acq: 20 Jul 2017 18:44

Instrument :

BNA_F

ClientSampleId :

DRUM-4-5-6-7-COMP

Tgt Ion:136 Resp: 354254

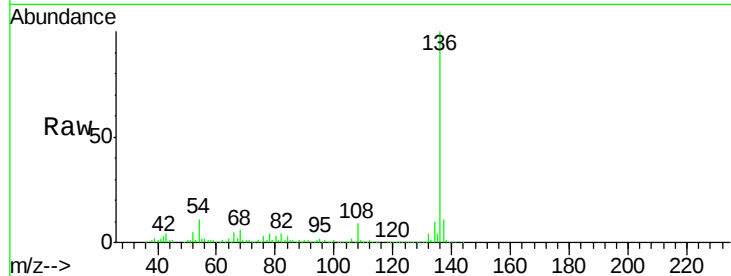
Ion Ratio Lower Upper

136 100

137 11.1 8.5 12.7

54 11.0 4.9 7.3#

68 5.8 4.1 6.1

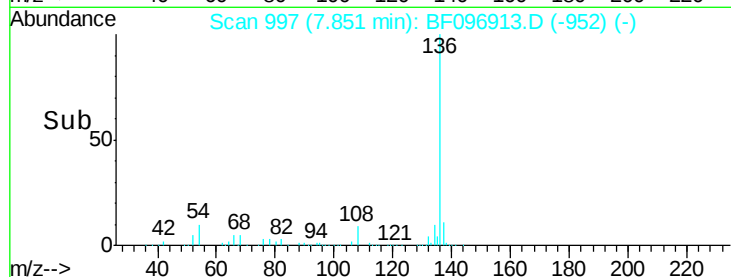


Abundance Ion 136.00 (135.70 to 136.70): E

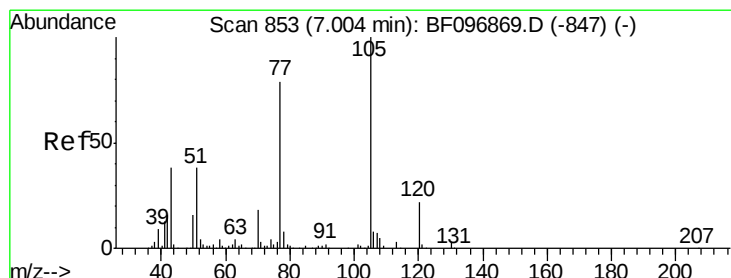
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#22

Acetophenone

Concen: 11.26 ng

RT: 6.98 min Scan# 849

Delta R.T. -0.04 min

Lab File: BF096913.D

Acq: 20 Jul 2017 18:44

Tgt Ion:105 Resp: 89169

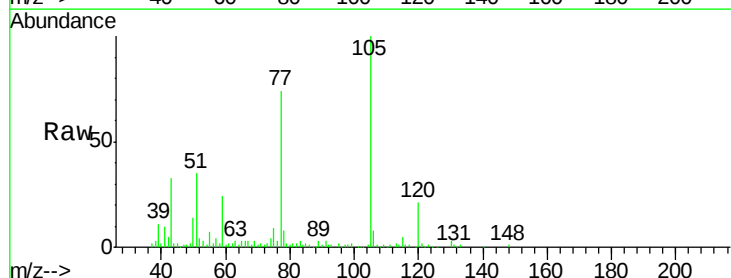
Ion Ratio Lower Upper

105 100

71 2.3 2.8 4.2#

51 35.2 30.7 46.1

120 21.0 17.4 26.0

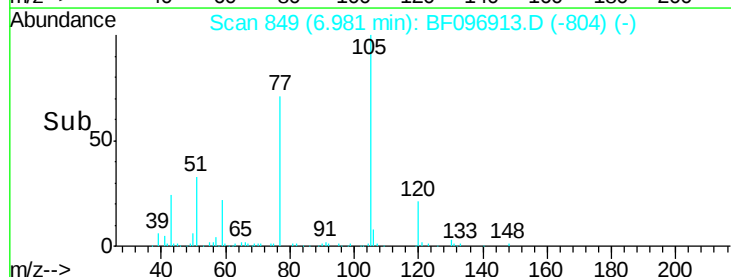


Abundance Ion 105.00 (104.70 to 105.70): E

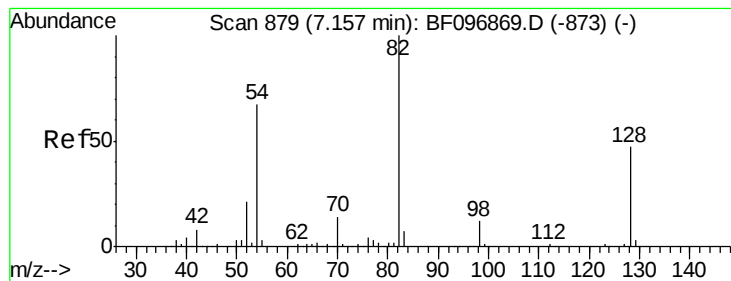
Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E



Time-->



#23

Nitrobenzene-d5

Concen: 81.90 ng

RT: 7.14 min Scan# 876

Delta R.T. -0.03 min

Lab File: BF096913.D

Acq: 20 Jul 2017 18:44

Instrument :

BNA_F

ClientSampleId :

DRUM-4-5-6-7-COMP

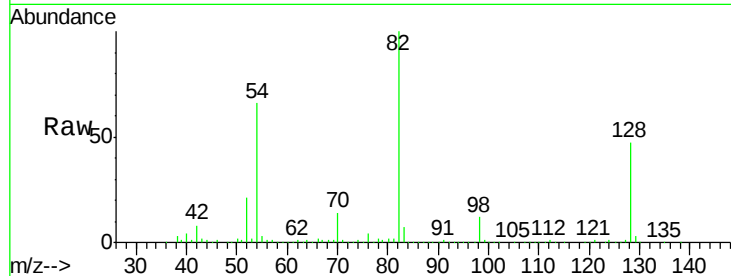
Tgt Ion: 82 Resp: 468394

Ion Ratio Lower Upper

82 100

128 46.7 34.0 51.0

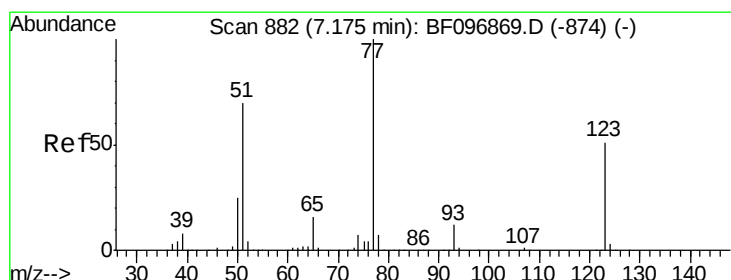
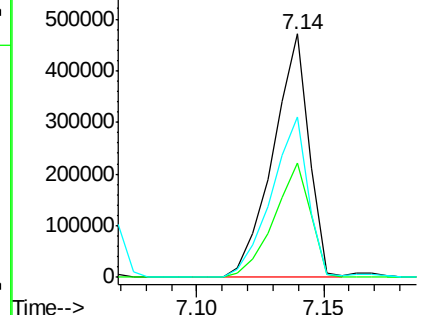
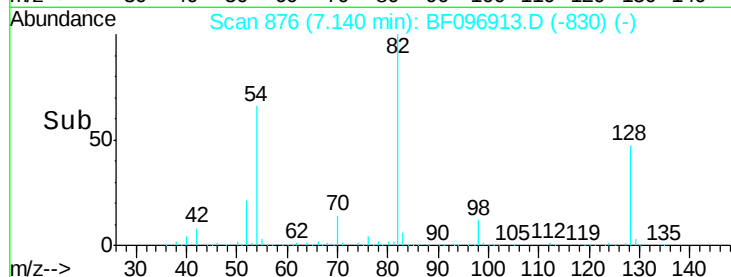
54 66.0 42.2 63.2#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#24

Nitrobenzene

Concen: 2.42 ng

RT: 7.13 min Scan# 874

Delta R.T. -0.06 min

Lab File: BF096913.D

Acq: 20 Jul 2017 18:44

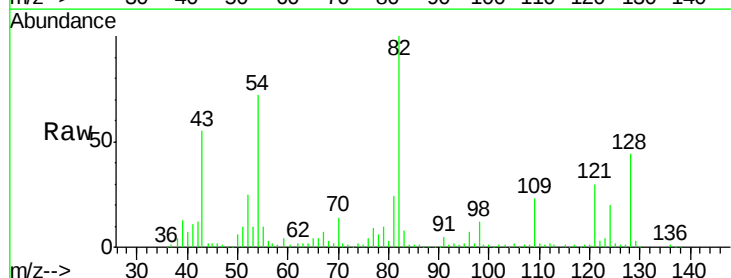
Tgt Ion: 77 Resp: 14299

Ion Ratio Lower Upper

77 100

123 38.2 35.8 53.8

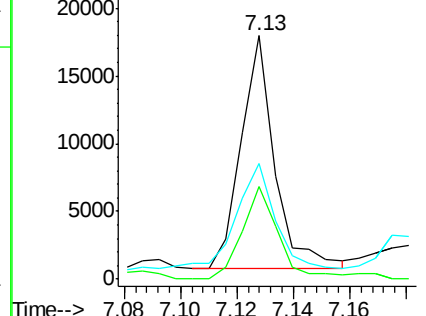
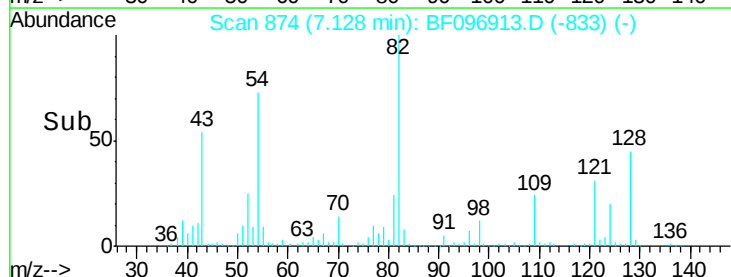
65 47.4 10.6 15.8#

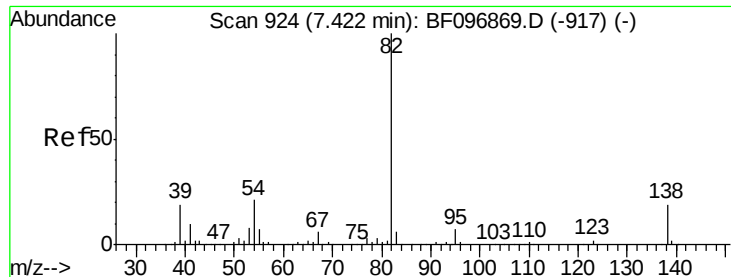


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 123.00 (122.70 to 123.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#25

Isophorone

Concen: 4.44 ng

RT: 7.53 min Scan# 943

Delta R.T. 0.10 min

Lab File: BF096913.D

Acq: 20 Jul 2017 18:44

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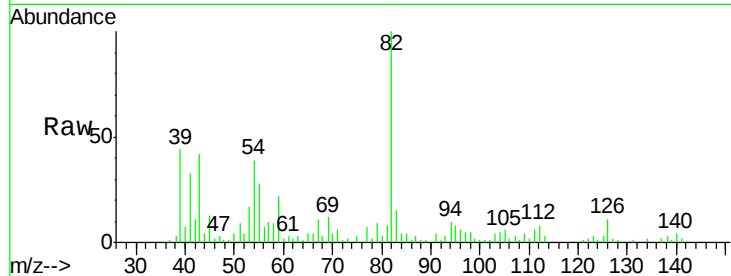
Tgt Ion: 82 Resp: 47195

Ion Ratio Lower Upper

82 100

95 7.6 5.3 7.9

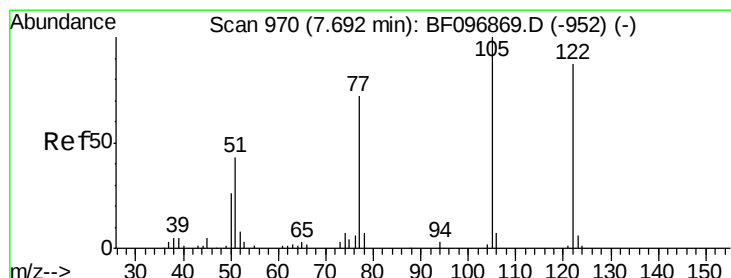
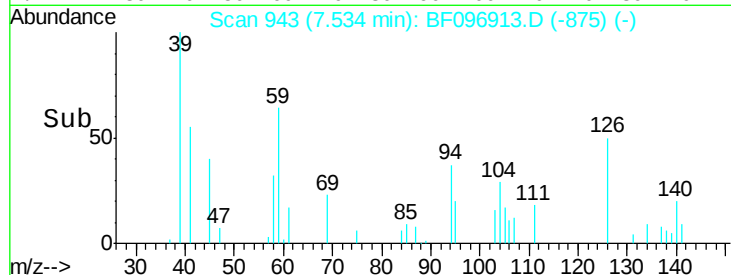
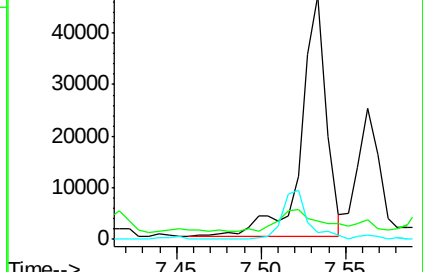
138 2.7 13.1 19.7#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0



#32

Benzoic acid

Concen: 2.52 ng

RT: 7.57 min Scan# 949

Delta R.T. -0.14 min

Lab File: BF096913.D

Acq: 20 Jul 2017 18:44

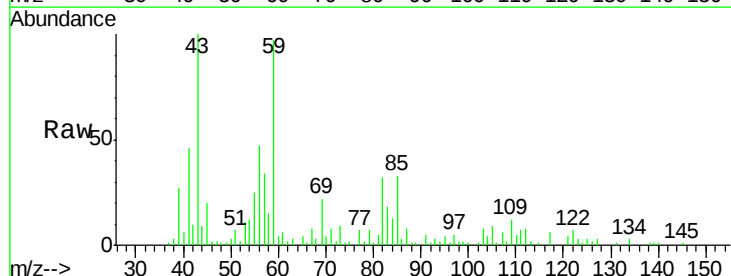
Tgt Ion: 122 Resp: 8730

Ion Ratio Lower Upper

122 100

105 124.9 103.3 143.3

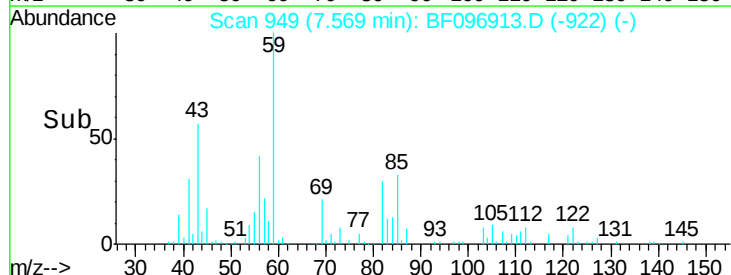
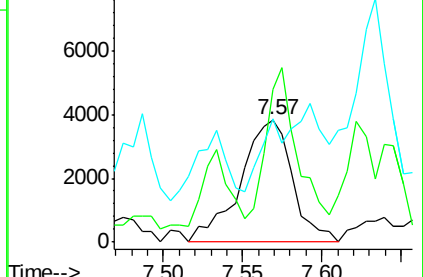
77 100.3 73.7 113.7

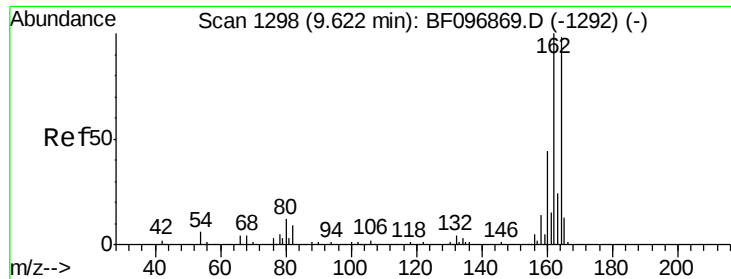


Abundance Ion 122.00 (121.70 to 122.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

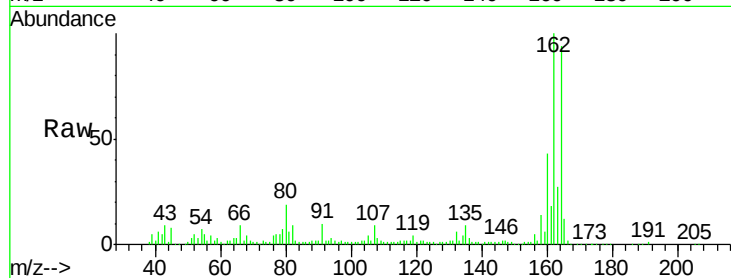




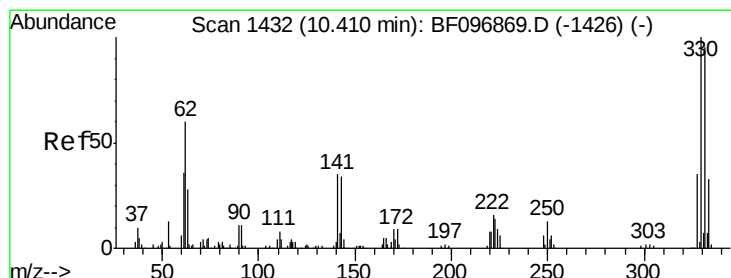
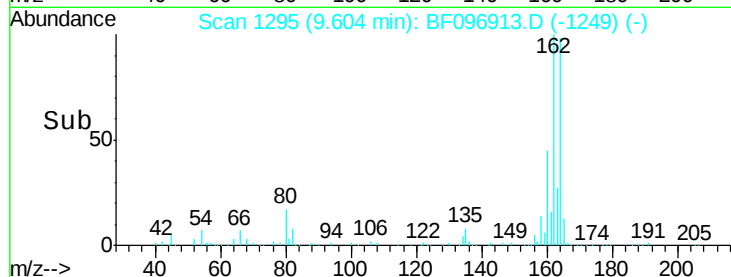
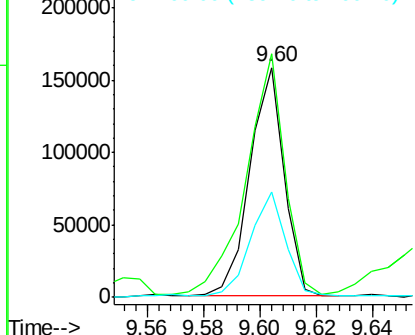
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.60 min Scan# 1295
 Delta R.T. -0.03 min
 Lab File: BF096913.D
 Acq: 20 Jul 2017 18:44

Instrument :
 BNA_F
 ClientSampleId :
 DRUM-4-5-6-7-COMP

Tgt Ion:164 Resp: 133087
 Ion Ratio Lower Upper
 164 100
 162 105.9 82.6 123.8
 160 46.1 36.2 54.2

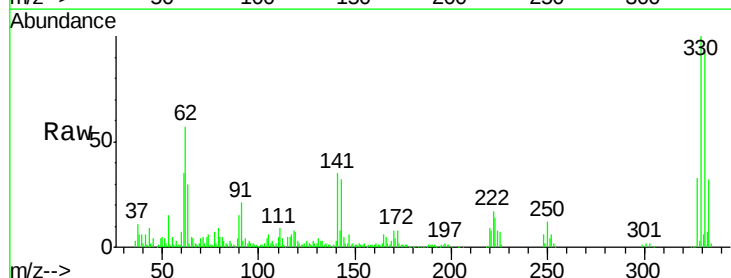


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

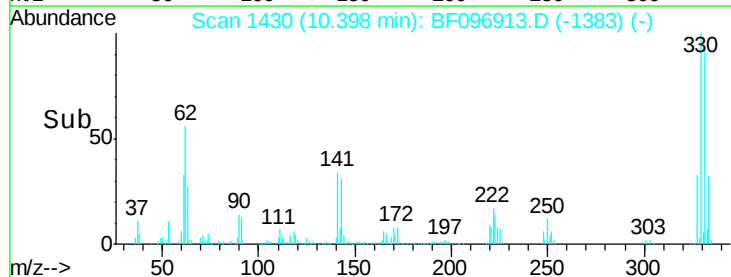
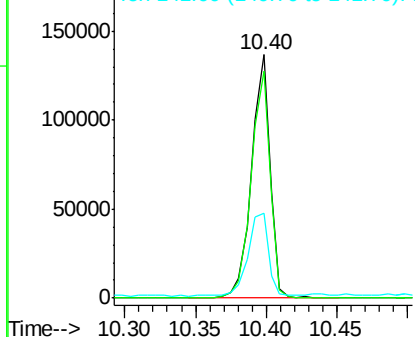


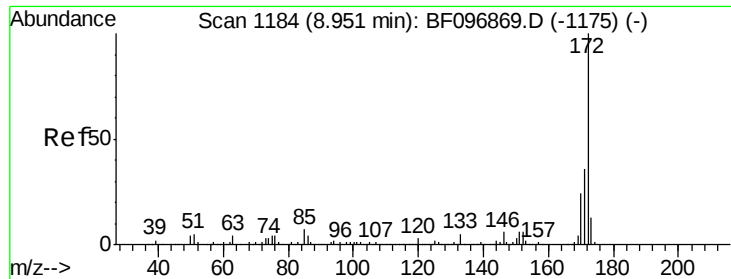
#41
 2,4,6-Tribromophenol
 Concen: 111.89 ng
 RT: 10.40 min Scan# 1430
 Delta R.T. -0.02 min
 Lab File: BF096913.D
 Acq: 20 Jul 2017 18:44

Tgt Ion:330 Resp: 127103
 Ion Ratio Lower Upper
 330 100
 332 95.1 76.6 115.0
 141 37.1 31.4 47.2



Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

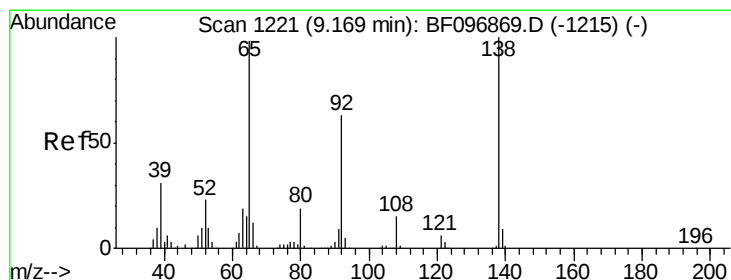
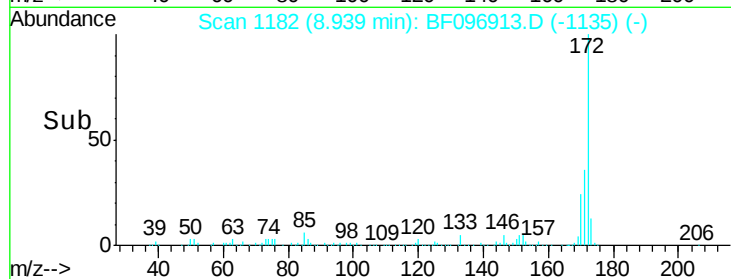
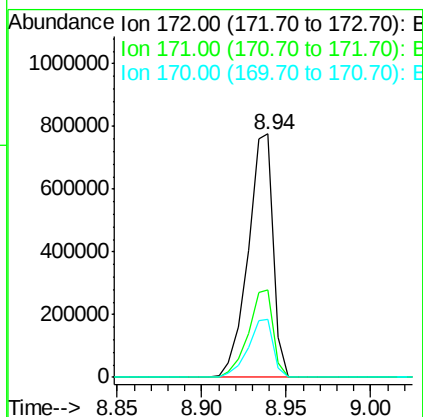
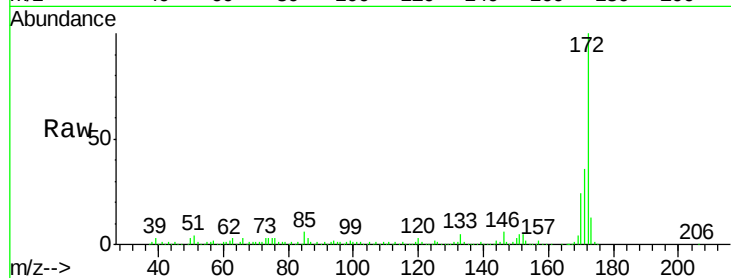




#44
 2-Fluorobiphenyl
 Concen: 95.83 ng
 RT: 8.94 min Scan# 1182
 Delta R.T. -0.02 min
 Lab File: BF096913.D
 Acq: 20 Jul 2017 18:44

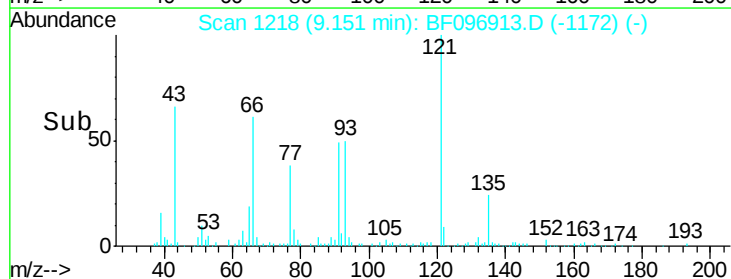
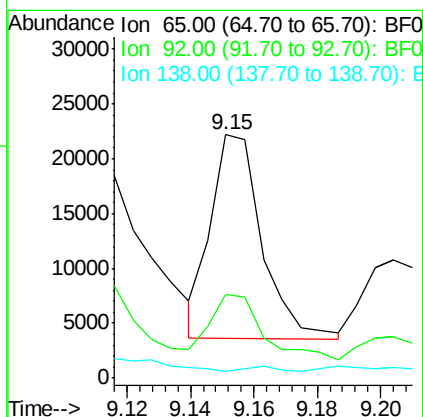
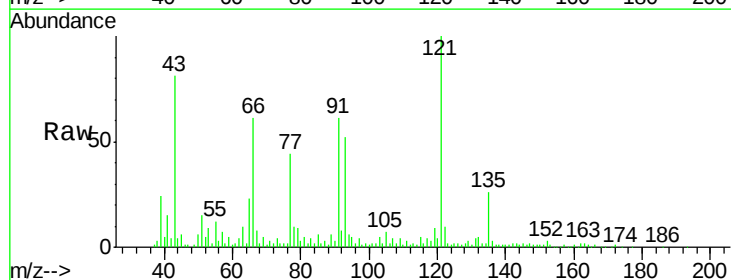
Instrument :
 BNA_F
 ClientSampleId :
 DRUM-4-5-6-7-COMP

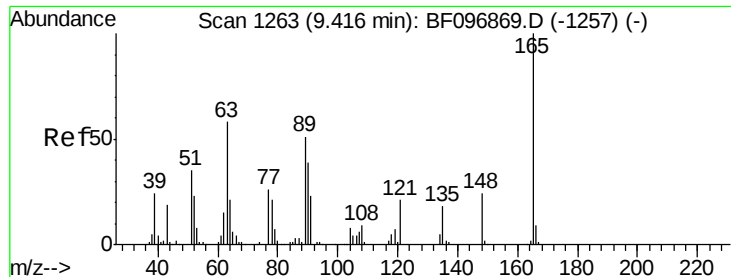
Tgt Ion: 172 Resp: 807213
 Ion Ratio Lower Upper
 172 100
 171 35.7 29.6 44.4
 170 24.0 19.8 29.8



#47
 2-Nitroaniline
 Concen: 7.15 ng
 RT: 9.15 min Scan# 1218
 Delta R.T. -0.03 min
 Lab File: BF096913.D
 Acq: 20 Jul 2017 18:44

Tgt Ion: 65 Resp: 20653
 Ion Ratio Lower Upper
 65 100
 92 34.2 53.9 80.9#
 138 2.6 78.8 118.2#

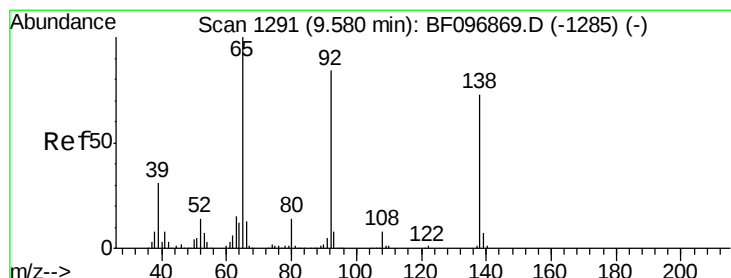
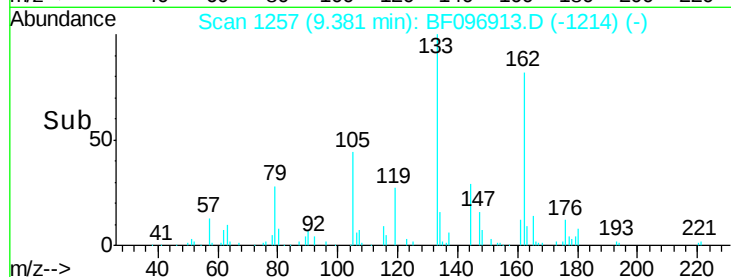
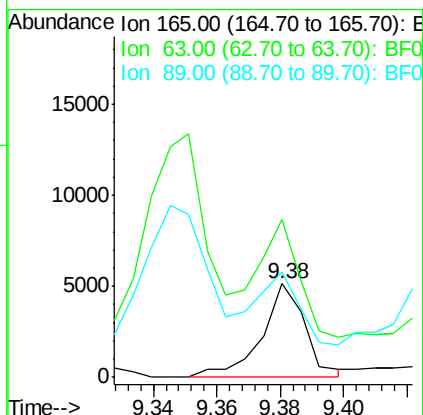
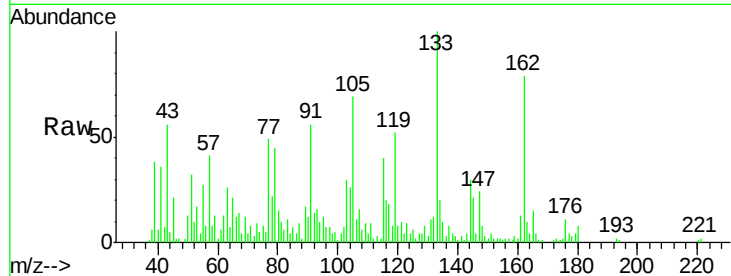




#50
 2,6-Dinitrotoluene
 Concen: 2.26 ng
 RT: 9.38 min Scan# 1257
 Delta R.T. -0.05 min
 Lab File: BF096913.D
 Acq: 20 Jul 2017 18:44

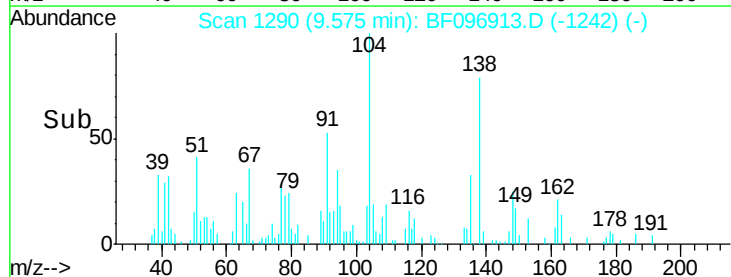
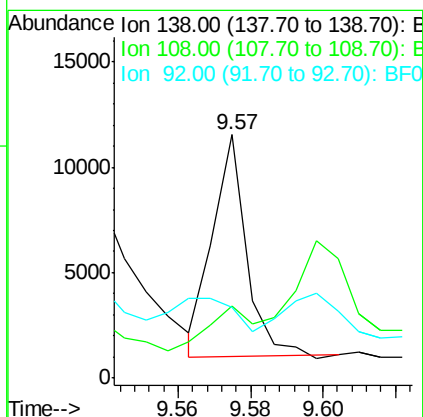
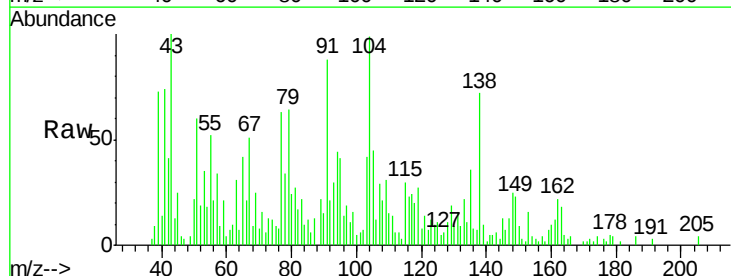
Instrument :
 BNA_F
 ClientSampleId :
 DRUM-4-5-6-7-COMP

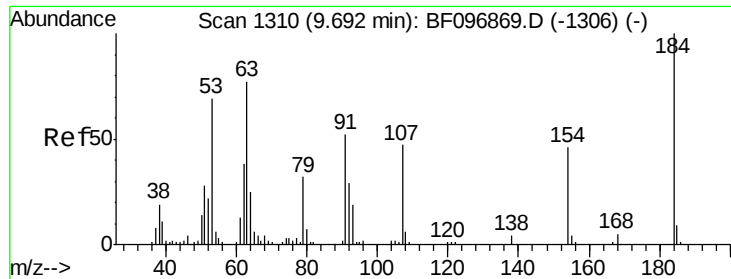
Tgt Ion:165 Resp: 4897
 Ion Ratio Lower Upper
 165 100
 63 168.3 34.3 51.5#
 89 113.2 37.1 55.7#



#52
 3-Nitroaniline
 Concen: 2.64 ng
 RT: 9.57 min Scan# 1290
 Delta R.T. -0.02 min
 Lab File: BF096913.D
 Acq: 20 Jul 2017 18:44

Tgt Ion:138 Resp: 6798
 Ion Ratio Lower Upper
 138 100
 108 29.5 9.1 13.7#
 92 28.9 93.8 140.6#

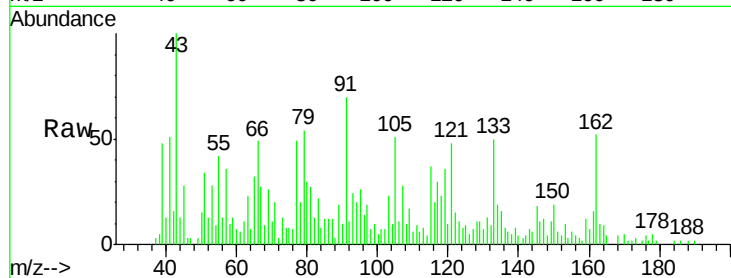




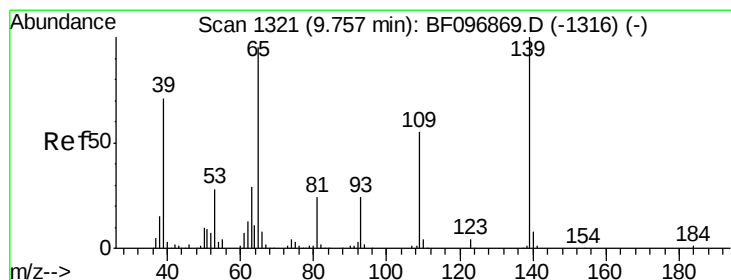
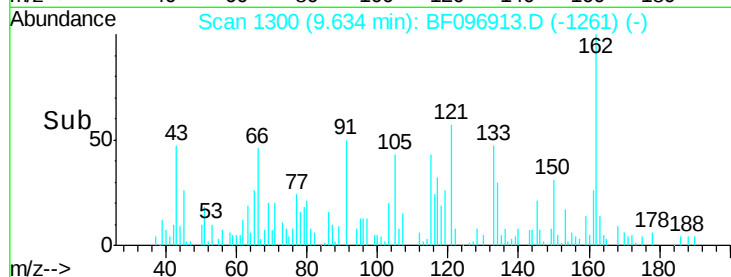
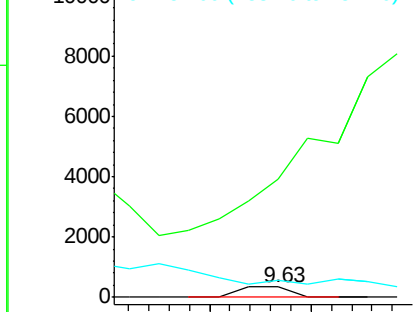
#53
 2,4-Dinitrophenol
 Concen: 6.94 ng
 RT: 9.63 min Scan# 1300
 Delta R.T. -0.07 min
 Lab File: BF096913.D
 Acq: 20 Jul 2017 18:44

Instrument :
 BNA_F
 ClientSampleId :
 DRUM-4-5-6-7-COMP

Tgt Ion:184 Resp: 238
 Ion Ratio Lower Upper
 184 100
 63 1154.4 62.7 94.1#
 154 162.1 81.1 121.7#

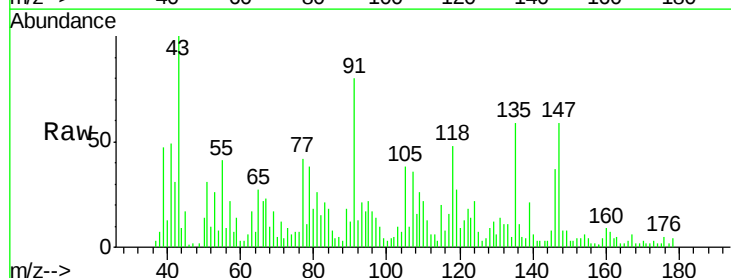


Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 154.00 (153.70 to 154.70): E

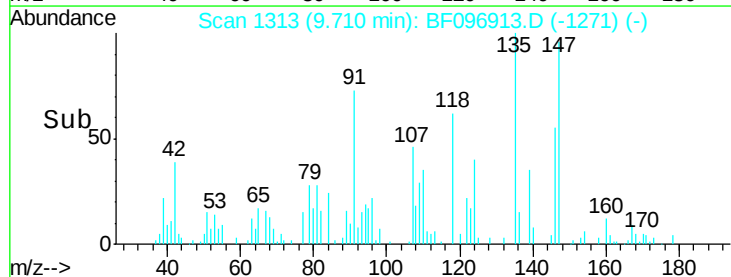
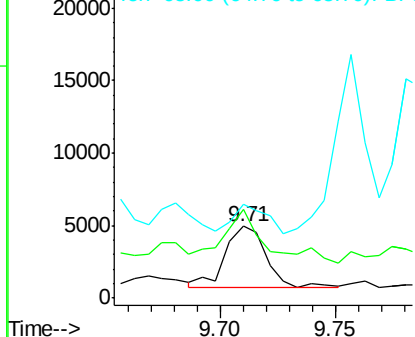


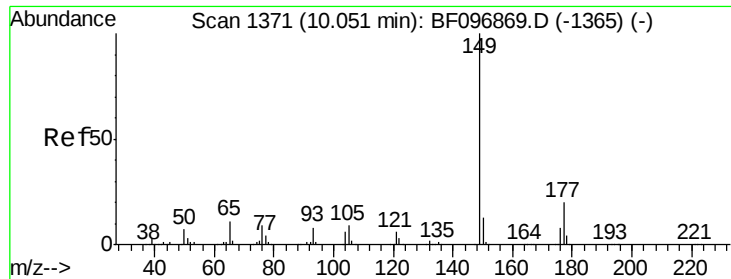
#55
 4-Nitrophenol
 Concen: 2.78 ng
 RT: 9.71 min Scan# 1313
 Delta R.T. -0.05 min
 Lab File: BF096913.D
 Acq: 20 Jul 2017 18:44

Tgt Ion:139 Resp: 5227
 Ion Ratio Lower Upper
 139 100
 109 123.4 34.1 74.1#
 65 130.4 31.4 71.4#



Abundance Ion 139.00 (138.70 to 139.70): E
 Ion 109.00 (108.70 to 109.70): E
 Ion 65.00 (64.70 to 65.70): BF0

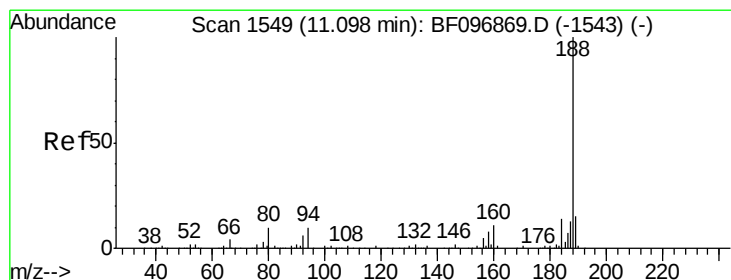
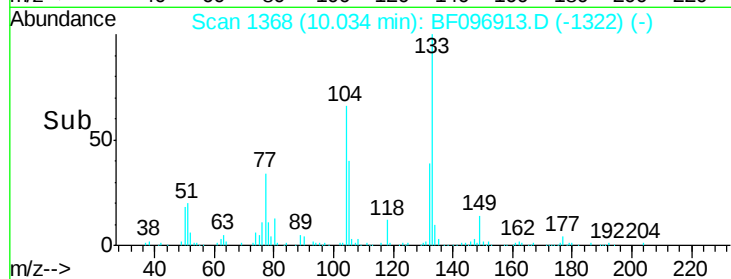
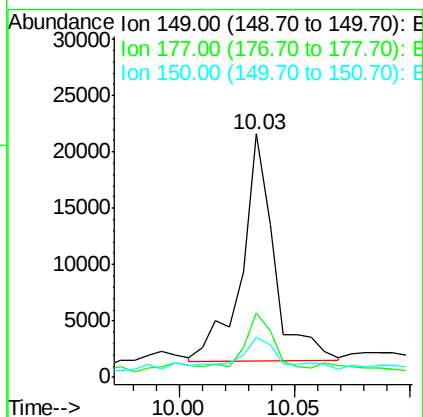
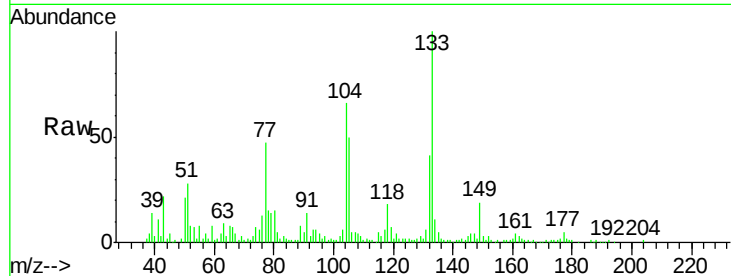




#59
Diethylphthalate
Concen: 2.01 ng
RT: 10.03 min Scan# 1368
Delta R.T. -0.03 min
Lab File: BF096913.D
Acq: 20 Jul 2017 18:44

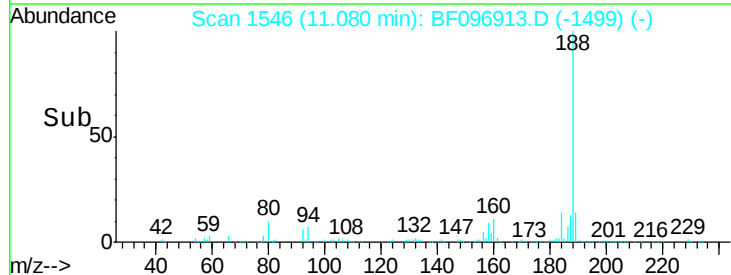
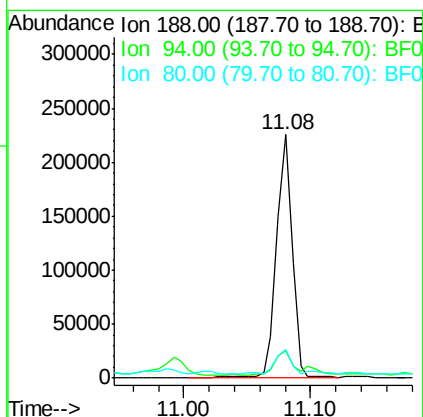
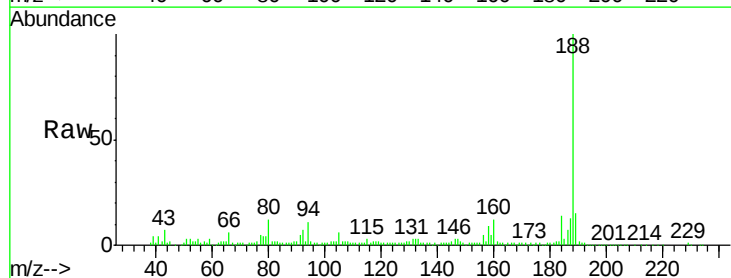
Instrument :
BNA_F
ClientSampleId :
DRUM-4-5-6-7-COMP

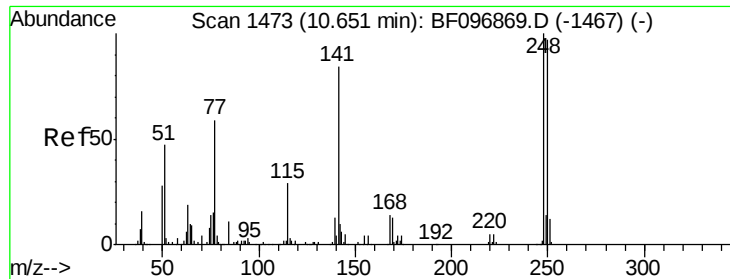
Tgt Ion:149 Resp: 19600
Ion Ratio Lower Upper
149 100
177 26.5 16.7 25.1#
150 16.2 10.2 15.2#



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.08 min Scan# 1546
Delta R.T. -0.02 min
Lab File: BF096913.D
Acq: 20 Jul 2017 18:44

Tgt Ion:188 Resp: 189968
Ion Ratio Lower Upper
188 100
94 11.1 9.4 14.2
80 11.7 10.2 15.2

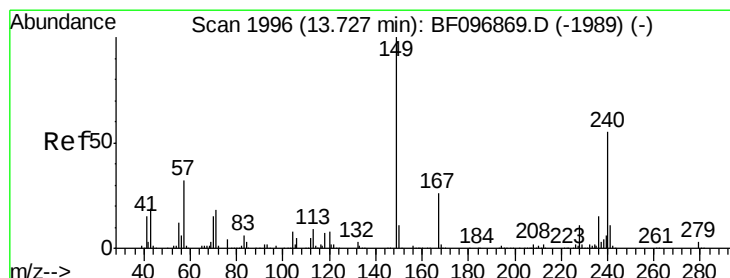
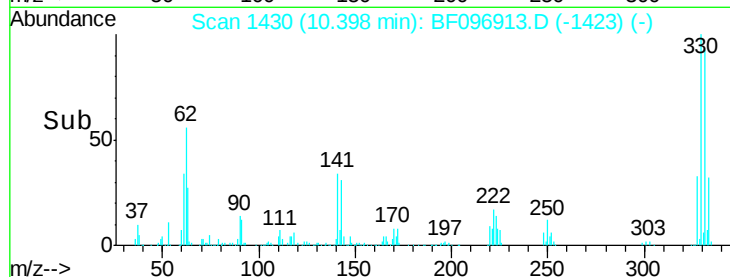
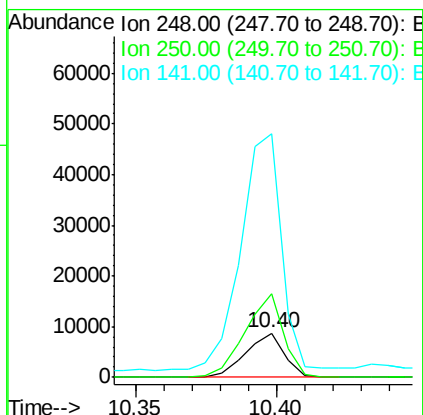
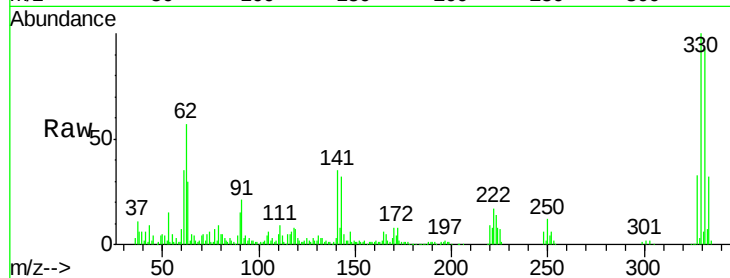




#66
4-Bromophenyl-phenylether
Concen: 4.25 ng
RT: 10.40 min Scan# 1430
Delta R.T. -0.26 min
Lab File: BF096913.D
Acq: 20 Jul 2017 18:44

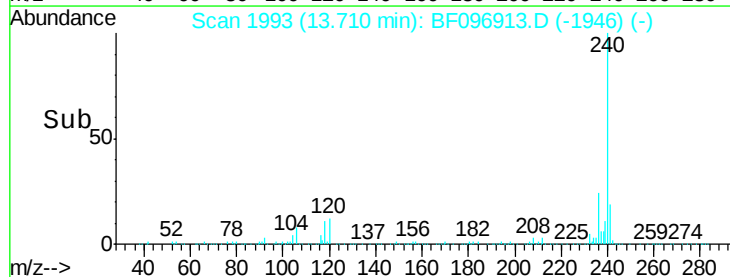
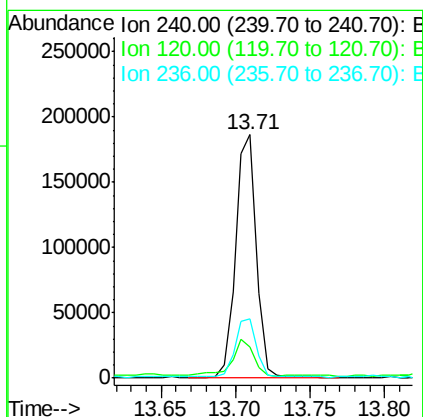
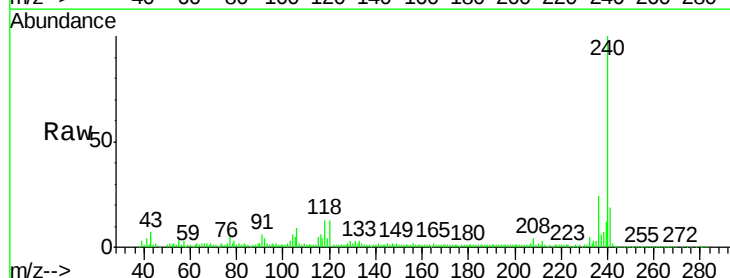
Instrument :
BNA_F
ClientSampleId :
DRUM-4-5-6-7-COMP

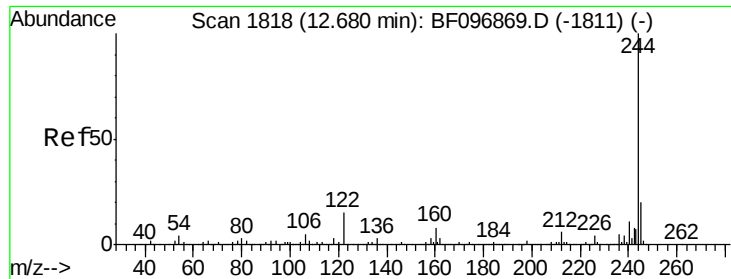
Tgt Ion:248 Resp: 8250
Ion Ratio Lower Upper
248 100
250 188.1 76.8 115.2#
141 549.7 68.6 103.0#



#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.71 min Scan# 1993
Delta R.T. -0.02 min
Lab File: BF096913.D
Acq: 20 Jul 2017 18:44

Tgt Ion:240 Resp: 180204
Ion Ratio Lower Upper
240 100
120 13.0 5.8 8.8#
236 24.2 20.5 30.7





#78

Terphenyl-d14

Concen: 48.52 ng

RT: 12.66 min Scan# 1815

Delta R.T. -0.03 min

Lab File: BF096913.D

Acq: 20 Jul 2017 18:44

Instrument :

BNA_F

ClientSampleId :

DRUM-4-5-6-7-COMP

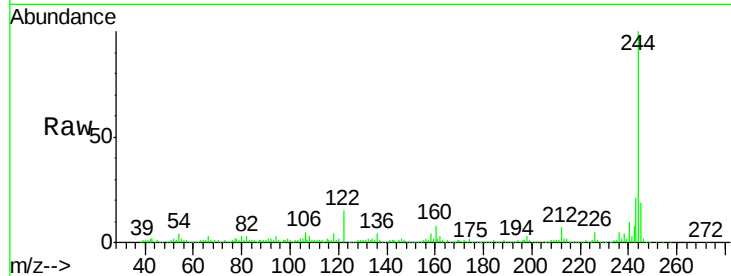
Tgt Ion:244 Resp: 504167

Ion Ratio Lower Upper

244 100

212 6.8 6.0 9.0

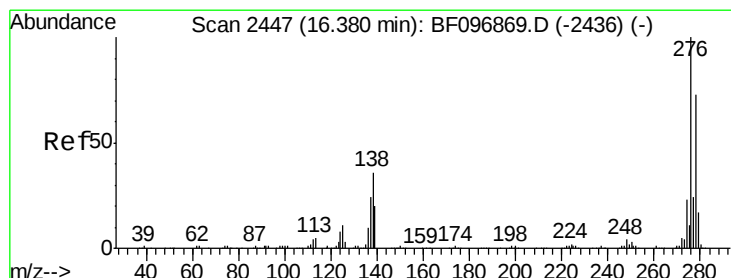
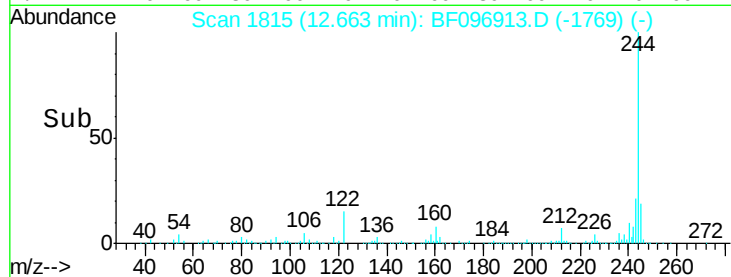
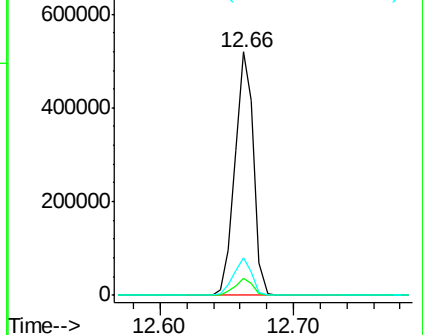
122 15.3 10.3 15.5



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 3.34 ng

RT: 16.33 min Scan# 2439

Delta R.T. -0.06 min

Lab File: BF096913.D

Acq: 20 Jul 2017 18:44

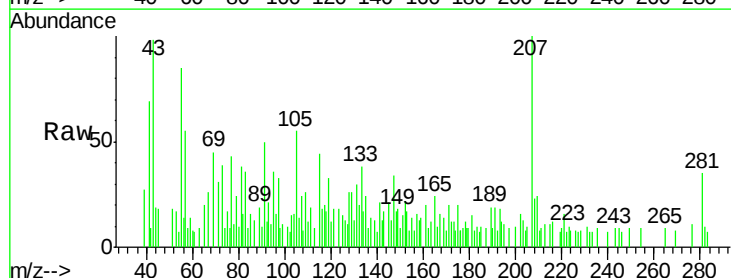
Tgt Ion:276 Resp: 157

Ion Ratio Lower Upper

276 100

138 0.0 27.8 41.6#

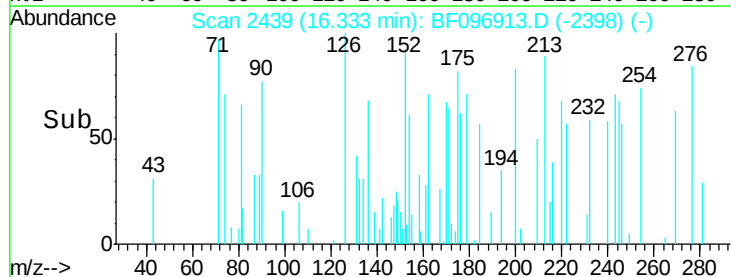
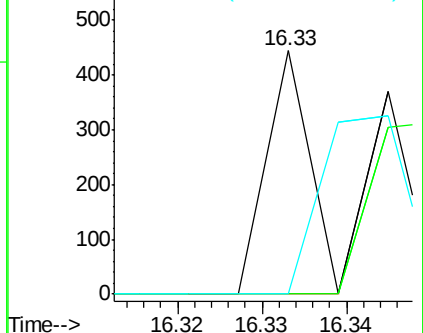
277 0.0 20.2 30.4#

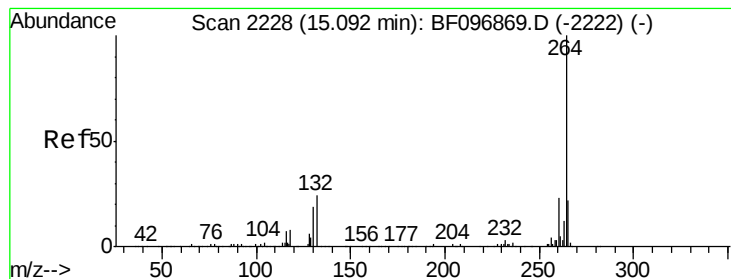


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#86

Perylene-d12

Concen: 20.00 ng

RT: 15.07 min Scan# 2225

Delta R.T. -0.03 min

Lab File: BF096913.D

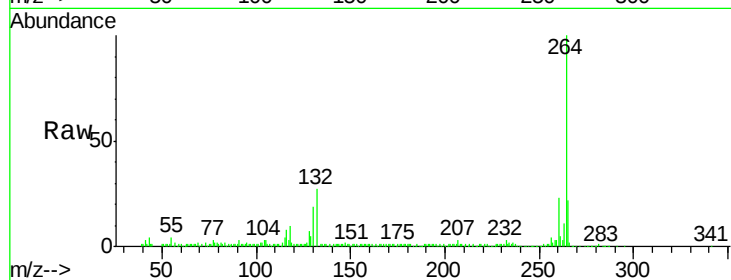
Acq: 20 Jul 2017 18:44

Instrument :

BNA_F

ClientSampleId :

DRUM-4-5-6-7-COMP



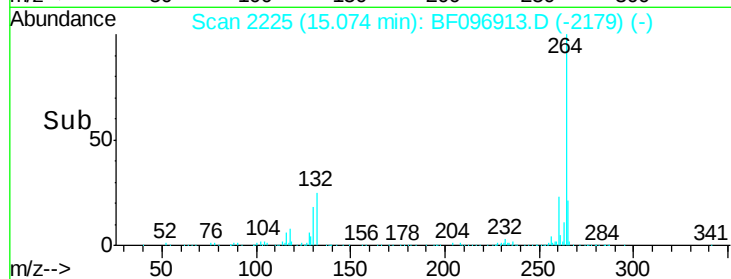
Tgt Ion: 264 Resp: 181974

Ion Ratio Lower Upper

264 100

260 23.1 19.5 29.3

265 21.5 17.2 25.8



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

