

Data File : BF096912.D
Acq On : 20 Jul 2017 18:16
Operator : SJ/JU
Sample : I4246-08
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DRUM-1-2-3-COMP

Quant Time: Jul 21 03:26:31 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	90409	20.00	ng	-0.03
21) Naphthalene-d8	7.85	136	367875	20.00	ng	-0.04
38) Acenaphthene-d10	9.60	164	155451	20.00	ng	-0.03
63) Phenanthrene-d10	11.08	188	244438	20.00	ng	-0.02
75) Chrysene-d12	13.70	240	170322	20.00	ng	-0.03
86) Perylene-d12	15.07	264	169110	20.00	ng	-0.03

System Monitoring Compounds						
5) 2-Fluorophenol	5.19	112	494686	82.27	ng	-0.01
7) Phenol-d6	6.25	99	424872	58.88	ng	0.00
23) Nitrobenzene-d5	7.14	82	495815	83.48	ng	-0.03
41) 2,4,6-Tribromophenol	10.40	330	169629	127.84	ng	-0.02
44) 2-Fluorobiphenyl	8.94	172	845258	85.91	ng	-0.02
78) Terphenyl-d14	12.67	244	573941	58.44	ng	-0.02

Target Compounds						Qvalue
2) 1,4-Dioxane	2.15	88	6741	2.18	ng	# 17
9) Benzaldehyde	6.12	77	12264	2.94	ng	# 81
15) Benzyl Alcohol	6.73	79	12547	2.66	ng	# 51
19) n-Nitroso-di-n-propylamine	7.00	70	12384	2.85	ng	# 83
22) Acetophenone	6.98	105	105158	12.79	ng	94
24) Nitrobenzene	7.13	77	14364	2.34	ng	# 66
25) Isophorone	7.53	82	47652	4.31	ng	# 74
27) 2,4-Dimethylphenol	7.72	122	17861	3.18	ng	91
47) 2-Nitroaniline	9.16	65	17245	5.11	ng	# 25
52) 3-Nitroaniline	9.56	138	11808	3.93	ng	# 40
53) 2,4-Dinitrophenol	9.84	184	122	6.83	ng	# 1
55) 4-Nitrophenol	9.73	139	5787	2.64	ng	# 1
59) Diethylphthalate	10.03	149	63967	5.61	ng	97
60) 4-Chlorophenyl-phenylether	10.13	204	479	Below Cal		# 1
66) 4-Bromophenyl-phenylether	10.40	248	10636	4.26	ng	# 1
85) Indeno(1,2,3-cd)pyrene	16.34	276	354	3.36	ng	# 1

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

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DRUM-1-2-3-COMP

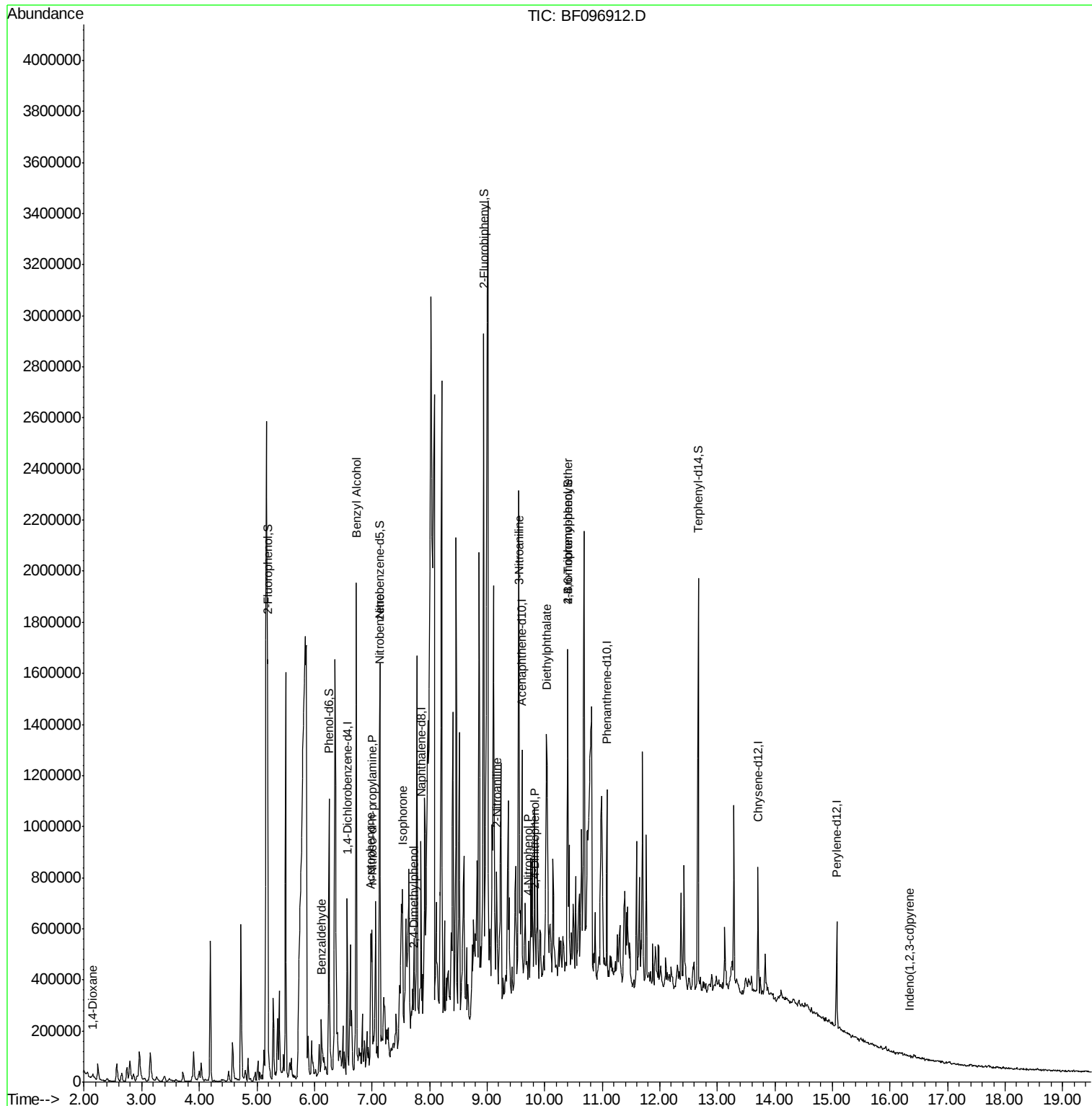
Quant Time: Jul 21 03:26:31 2017

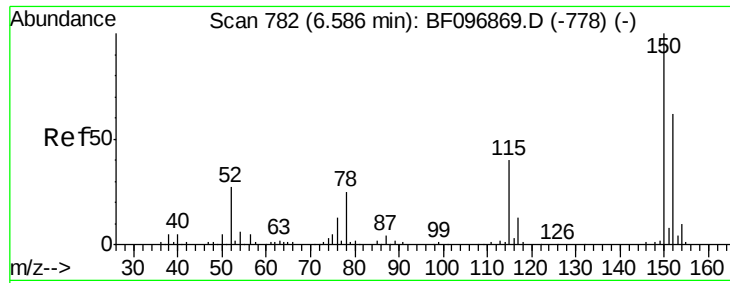
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071317.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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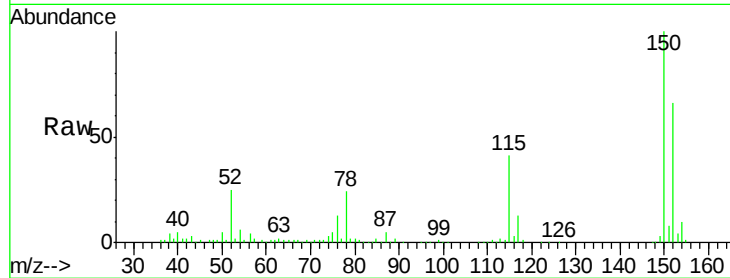




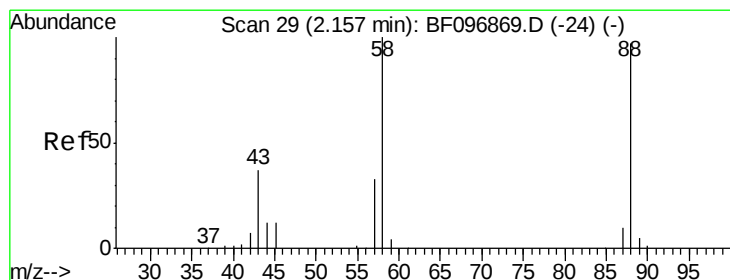
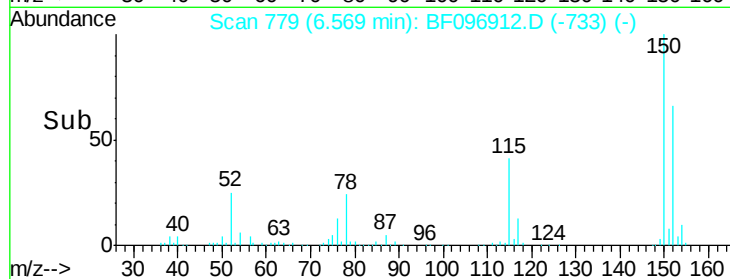
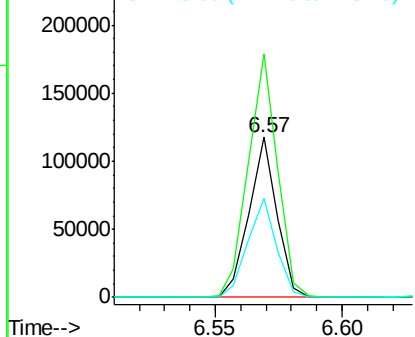
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.57 min Scan# 779
 Delta R.T. -0.03 min
 Lab File: BF096912.D
 Acq: 20 Jul 2017 18:16

Instrument :
 BNA_F
 ClientSampleId :
 DRUM-1-2-3-COMP

Tgt Ion:152 Resp: 90409
 Ion Ratio Lower Upper
 152 100
 150 152.2 126.2 189.2
 115 62.2 52.2 78.2

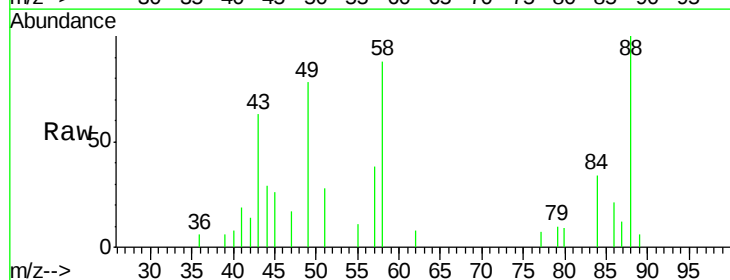


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

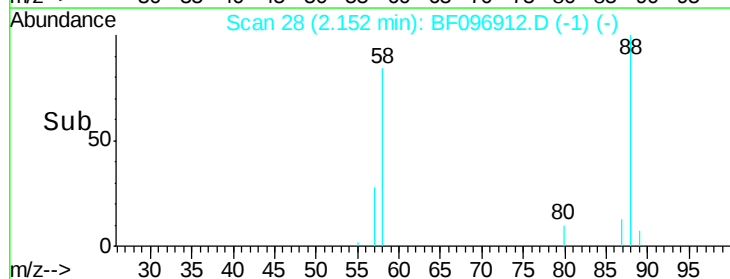
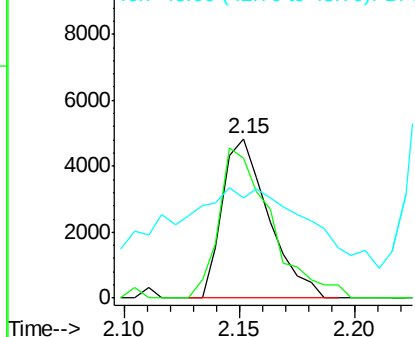


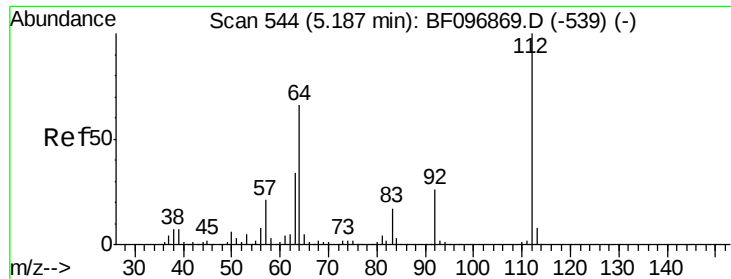
#2
 1,4-Dioxane
 Concen: 2.18 ng
 RT: 2.15 min Scan# 28
 Delta R.T. -0.04 min
 Lab File: BF096912.D
 Acq: 20 Jul 2017 18:16

Tgt Ion: 88 Resp: 6741
 Ion Ratio Lower Upper
 88 100
 58 106.1 61.4 92.0#
 43 142.8 23.4 35.0#



Abundance Ion 88.00 (87.70 to 88.70): BF0
 Ion 58.00 (57.70 to 58.70): BF0
 Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 82.27 ng

RT: 5.19 min Scan# 544

Delta R.T. -0.01 min

Lab File: BF096912.D

Acq: 20 Jul 2017 18:16

Instrument :

BNA_F

ClientSampleId :

DRUM-1-2-3-COMP

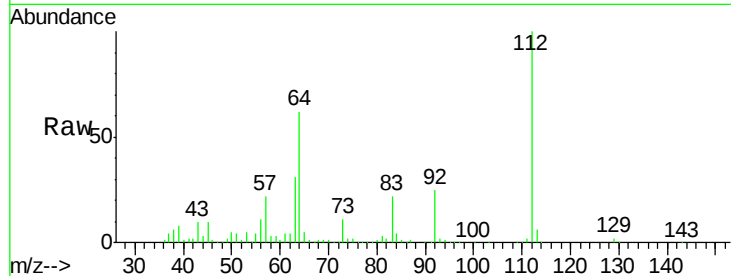
Tgt Ion: 112 Resp: 494686

Ion Ratio Lower Upper

112 100

64 61.5 46.0 69.0

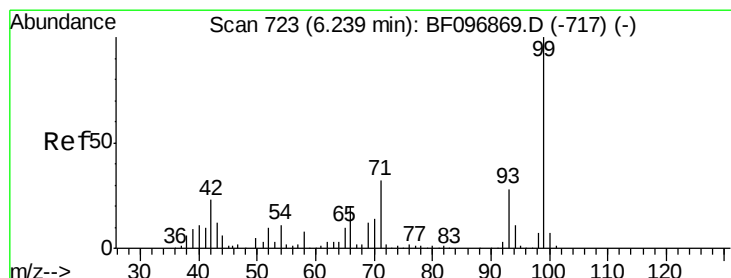
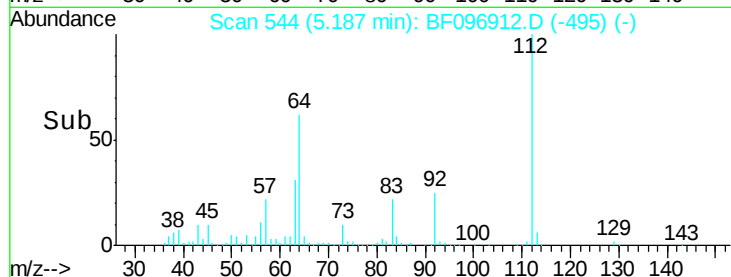
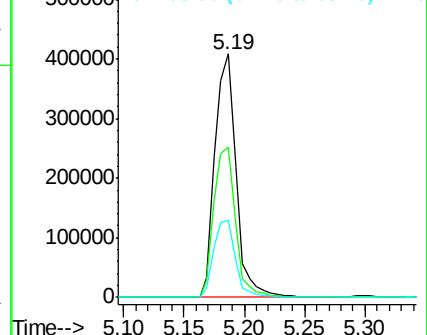
63 31.5 23.4 35.0



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: 58.88 ng

RT: 6.25 min Scan# 725

Delta R.T. 0.00 min

Lab File: BF096912.D

Acq: 20 Jul 2017 18:16

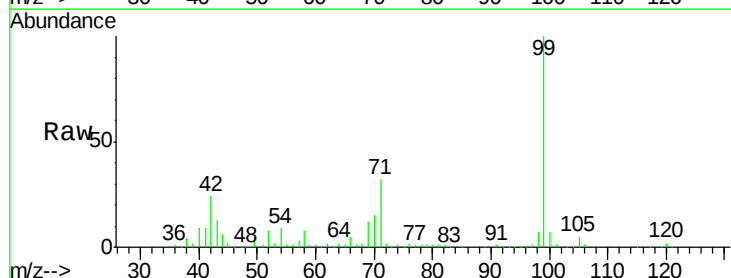
Tgt Ion: 99 Resp: 424872

Ion Ratio Lower Upper

99 100

42 23.8 13.5 20.3#

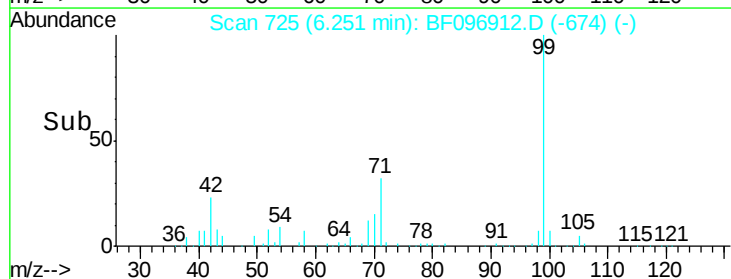
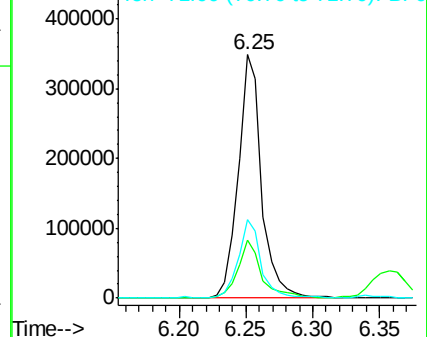
71 32.4 24.5 36.7

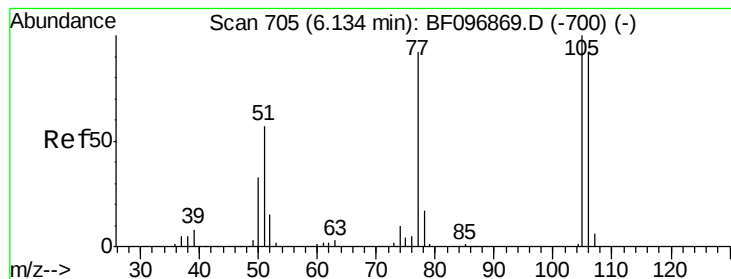


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#9

Benzaldehyde

Concen: 2.94 ng

RT: 6.12 min Scan# 702

Delta R.T. -0.03 min

Lab File: BF096912.D

Acq: 20 Jul 2017 18:16

Instrument :

BNA_F

ClientSampleId :

DRUM-1-2-3-COMP

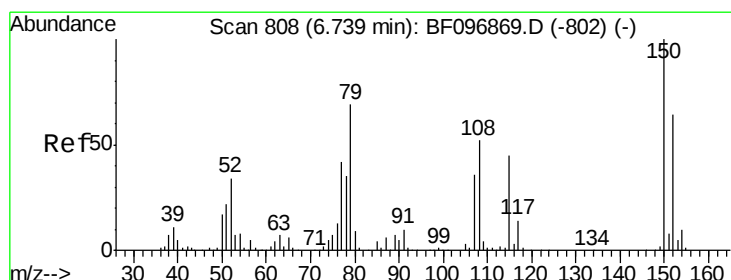
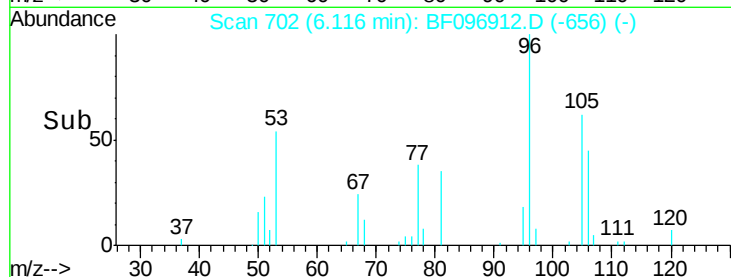
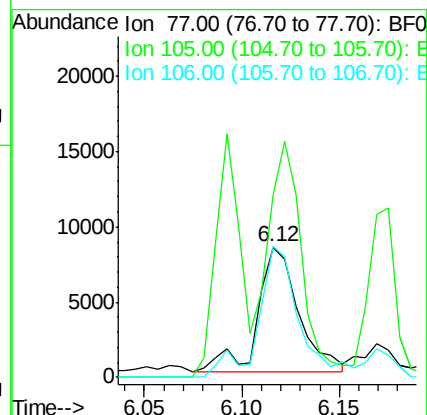
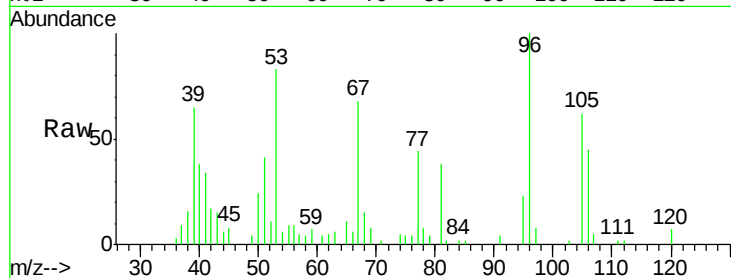
Tgt Ion: 77 Resp: 12264

Ion Ratio Lower Upper

77 100

105 140.1 83.8 123.8#

106 100.8 79.1 119.1



#15

Benzyl Alcohol

Concen: 2.66 ng

RT: 6.73 min Scan# 806

Delta R.T. -0.02 min

Lab File: BF096912.D

Acq: 20 Jul 2017 18:16

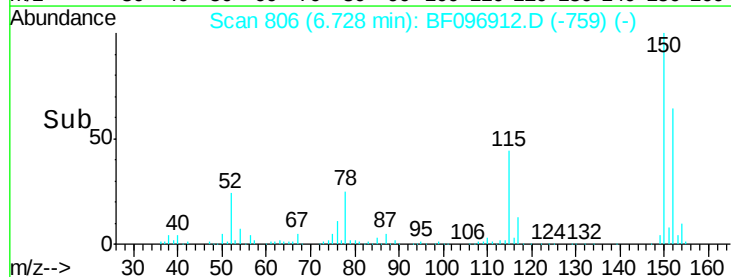
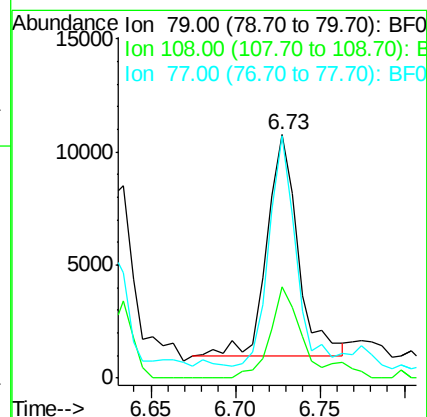
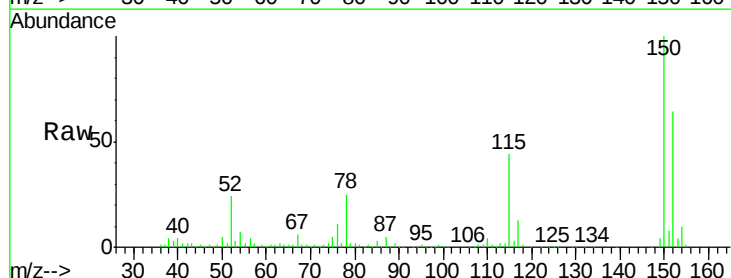
Tgt Ion: 79 Resp: 12547

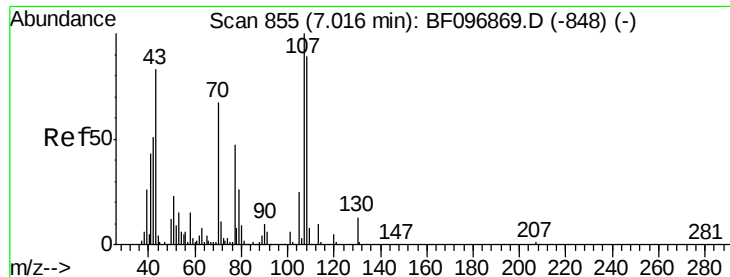
Ion Ratio Lower Upper

79 100

108 37.3 63.4 95.0#

77 99.5 49.2 73.8#

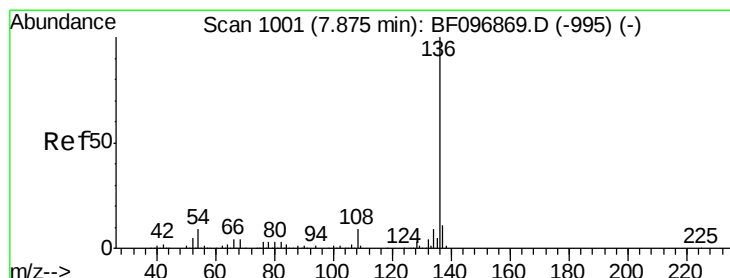
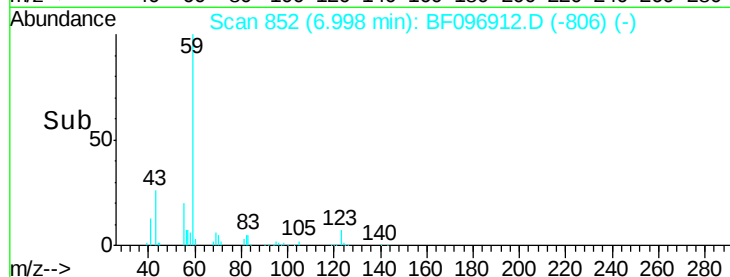
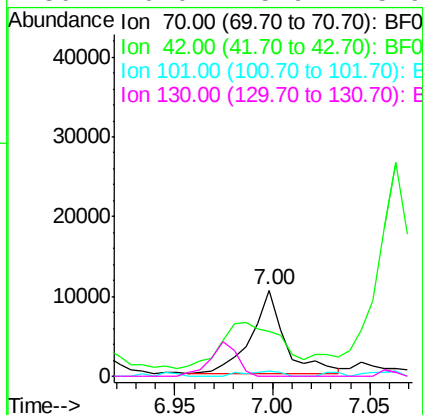
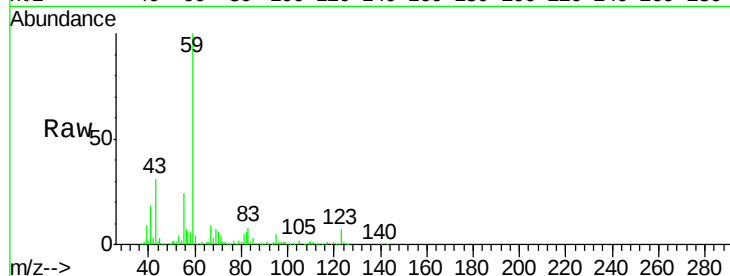




#19
n-Nitroso-di-n-propylamine
Concen: 2.85 ng
RT: 7.00 min Scan# 852
Delta R.T. -0.03 min
Lab File: BF096912.D
Acq: 20 Jul 2017 18:16

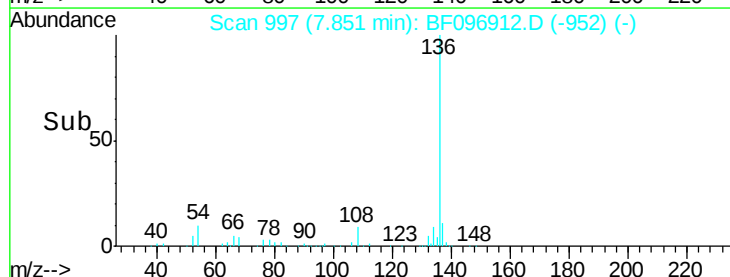
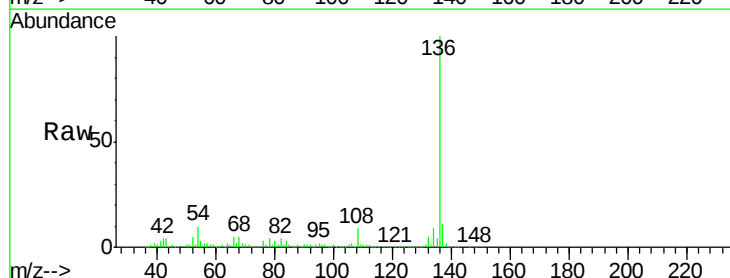
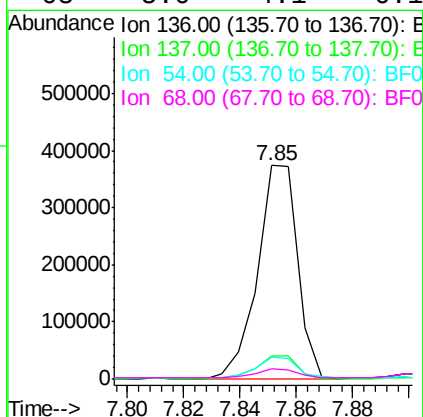
Instrument :
BNA_F
ClientSampleId :
DRUM-1-2-3-COMP

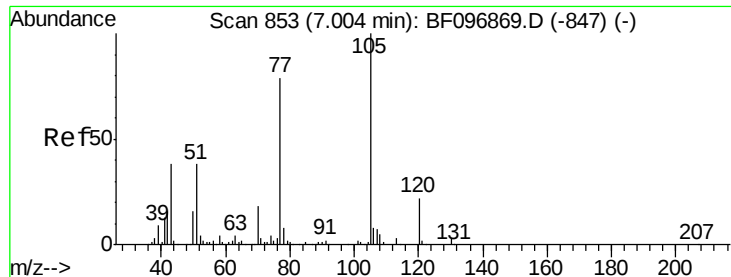
Tgt Ion: 70 Resp: 12384
Ion Ratio Lower Upper
70 100
42 52.3 47.2 70.8
101 6.1 7.2 10.8#
130 0.0 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.85 min Scan# 997
Delta R.T. -0.04 min
Lab File: BF096912.D
Acq: 20 Jul 2017 18:16

Tgt Ion: 136 Resp: 367875
Ion Ratio Lower Upper
136 100
137 11.0 8.5 12.7
54 10.3 4.9 7.3#
68 5.0 4.1 6.1





#22

Acetophenone

Concen: 12.79 ng

RT: 6.98 min Scan# 849

Delta R.T. -0.04 min

Lab File: BF096912.D

Acq: 20 Jul 2017 18:16

Instrument :

BNA_F

ClientSampleId :

DRUM-1-2-3-COMP

Tgt Ion:105 Resp: 105158

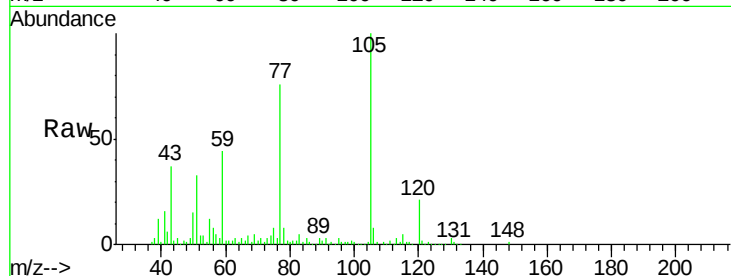
Ion Ratio Lower Upper

105 100

71 3.0 2.8 4.2

51 32.7 30.7 46.1

120 21.4 17.4 26.0

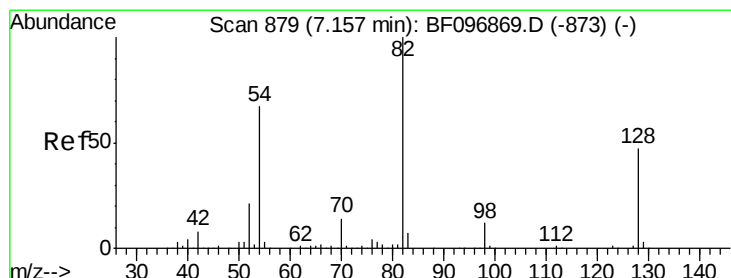
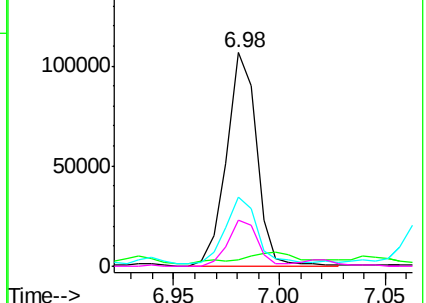
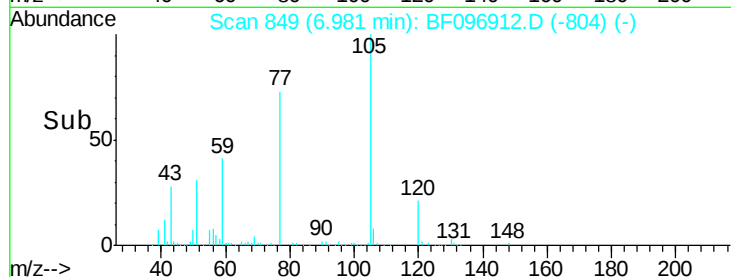


Abundance Ion 105.00 (104.70 to 105.70): E

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



#23

Nitrobenzene-d5

Concen: 83.48 ng

RT: 7.14 min Scan# 876

Delta R.T. -0.03 min

Lab File: BF096912.D

Acq: 20 Jul 2017 18:16

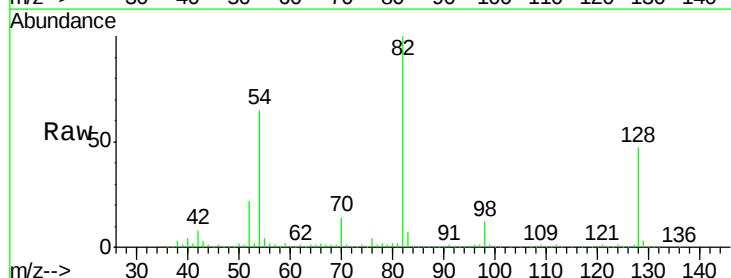
Tgt Ion: 82 Resp: 495815

Ion Ratio Lower Upper

82 100

128 47.5 34.0 51.0

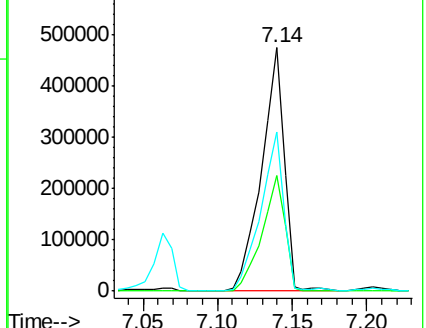
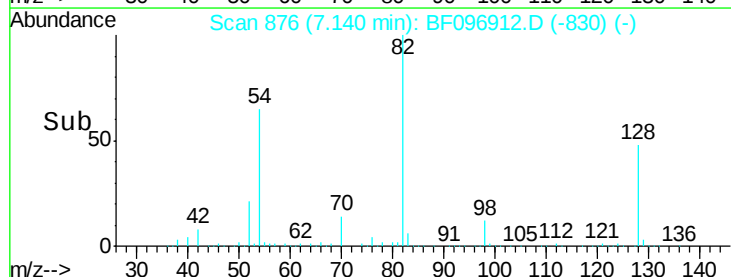
54 65.5 42.2 63.2#

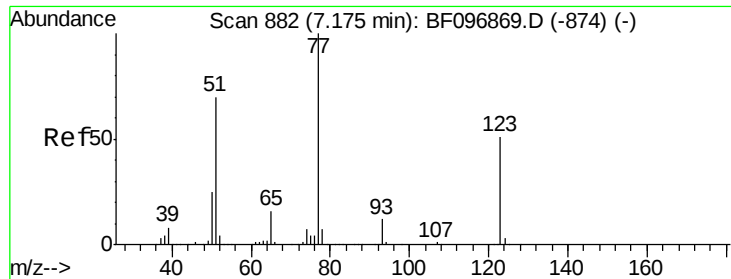


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#24

Nitrobenzene

Concen: 2.34 ng

RT: 7.13 min Scan# 874

Delta R.T. -0.06 min

Lab File: BF096912.D

Acq: 20 Jul 2017 18:16

Instrument :

BNA_F

ClientSampleId :

DRUM-1-2-3-COMP

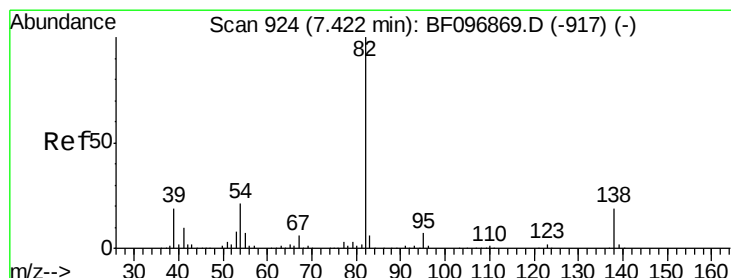
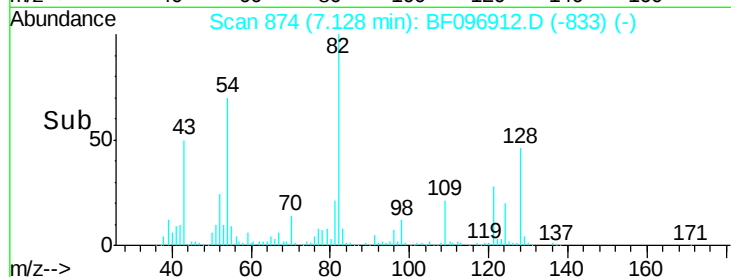
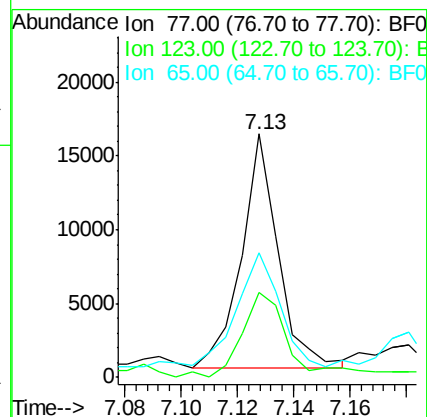
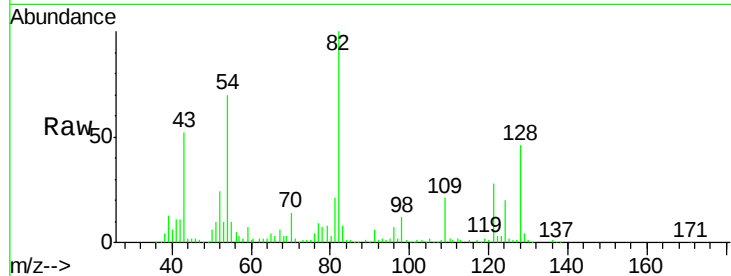
Tgt Ion: 77 Resp: 14364

Ion Ratio Lower Upper

77 100

123 34.7 35.8 53.8#

65 51.1 10.6 15.8#



#25

Isophorone

Concen: 4.31 ng

RT: 7.53 min Scan# 943

Delta R.T. 0.10 min

Lab File: BF096912.D

Acq: 20 Jul 2017 18:16

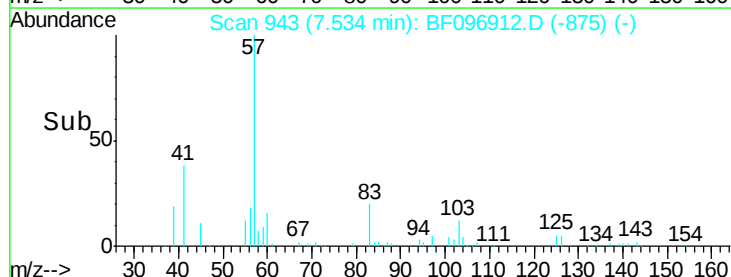
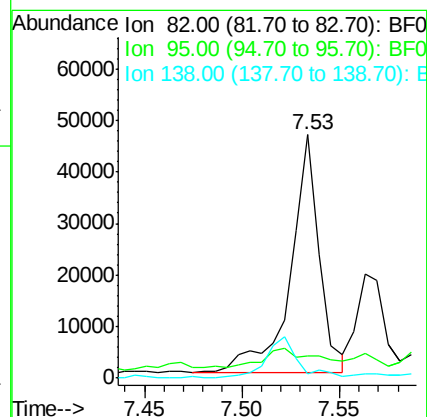
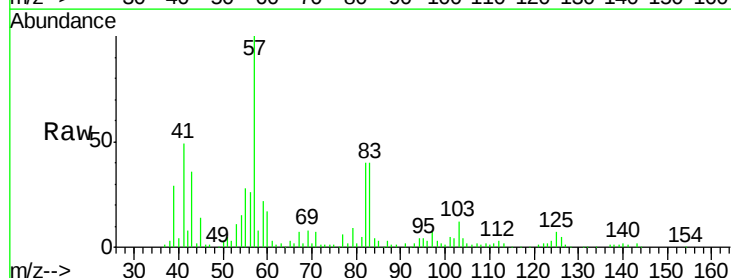
Tgt Ion: 82 Resp: 47652

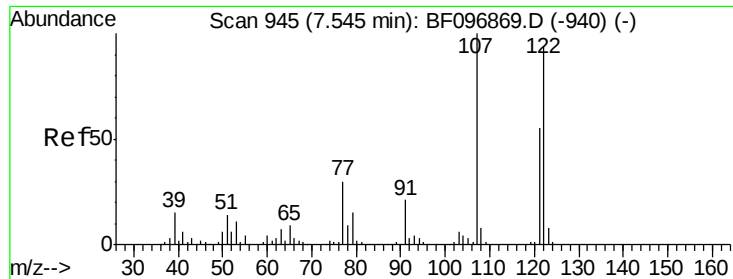
Ion Ratio Lower Upper

82 100

95 9.2 5.3 7.9#

138 1.9 13.1 19.7#

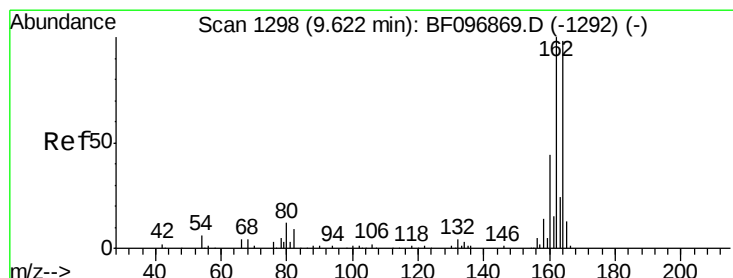
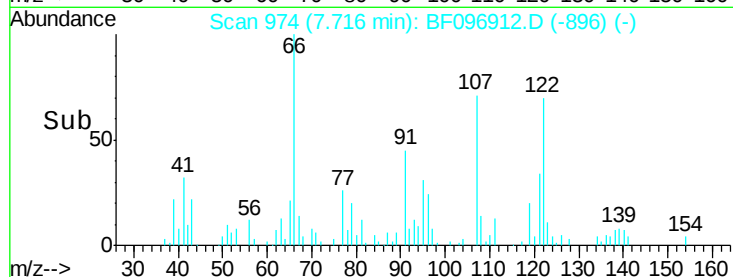
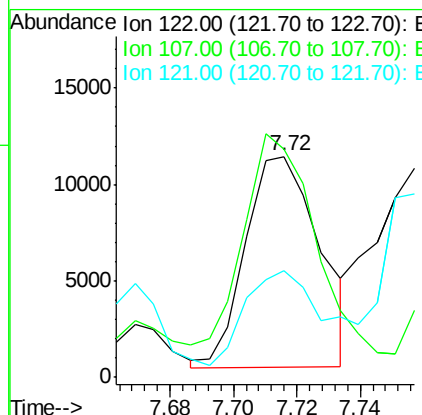
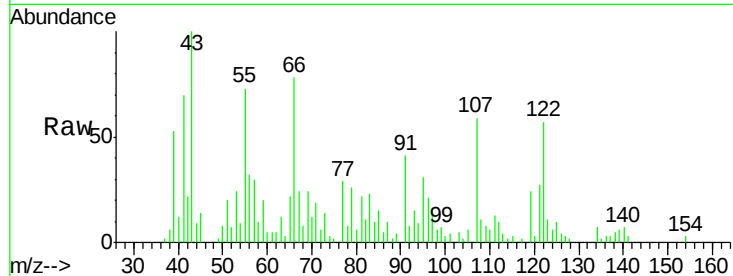




#27
 2,4-Dimethylphenol
 Concen: 3.18 ng
 RT: 7.72 min Scan# 974
 Delta R.T. 0.16 min
 Lab File: BF096912.D
 Acq: 20 Jul 2017 18:16

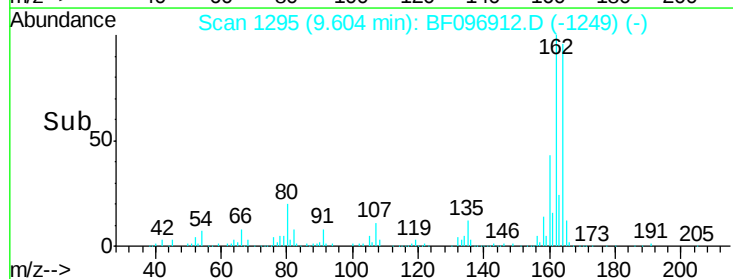
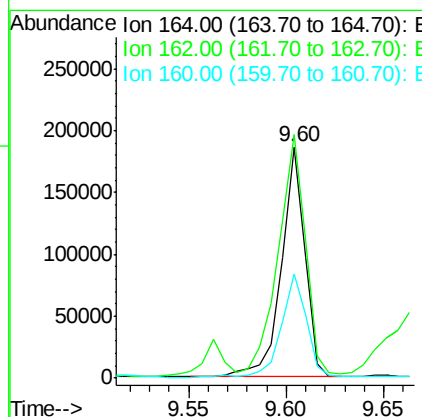
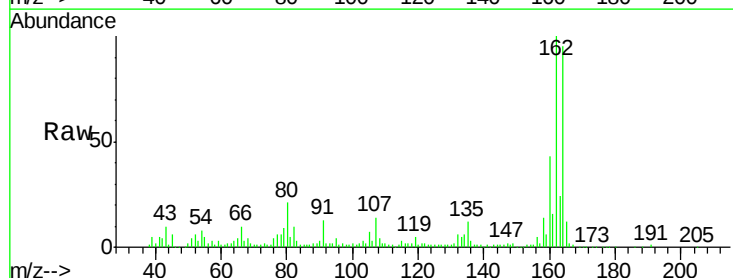
Instrument :
 BNA_F
 ClientSampleId :
 DRUM-1-2-3-COMP

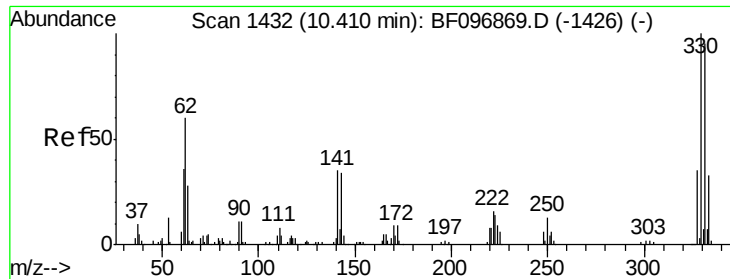
Tgt Ion:122 Resp: 17861
 Ion Ratio Lower Upper
 122 100
 107 103.5 89.2 133.8
 121 48.1 45.2 67.8



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.60 min Scan# 1295
 Delta R.T. -0.03 min
 Lab File: BF096912.D
 Acq: 20 Jul 2017 18:16

Tgt Ion:164 Resp: 155451
 Ion Ratio Lower Upper
 164 100
 162 105.2 82.6 123.8
 160 45.2 36.2 54.2

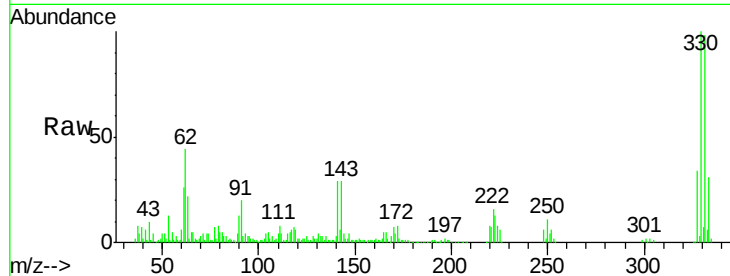




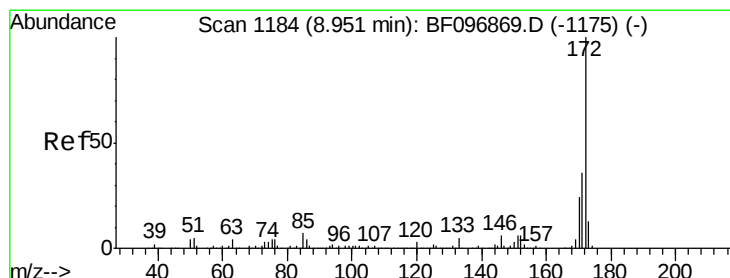
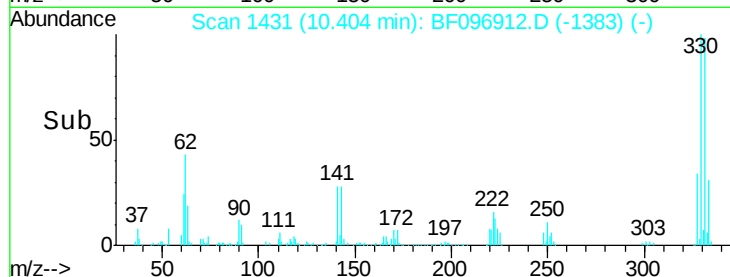
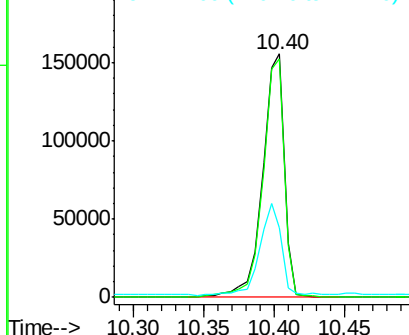
#41
 2,4,6-Tribromophenol
 Concen: 127.84 ng
 RT: 10.40 min Scan# 1431
 Delta R.T. -0.02 min
 Lab File: BF096912.D
 Acq: 20 Jul 2017 18:16

Instrument :
 BNA_F
 ClientSampleId :
 DRUM-1-2-3-COMP

Tgt Ion:330 Resp: 169629
 Ion Ratio Lower Upper
 330 100
 332 97.6 76.6 115.0
 141 37.7 31.4 47.2

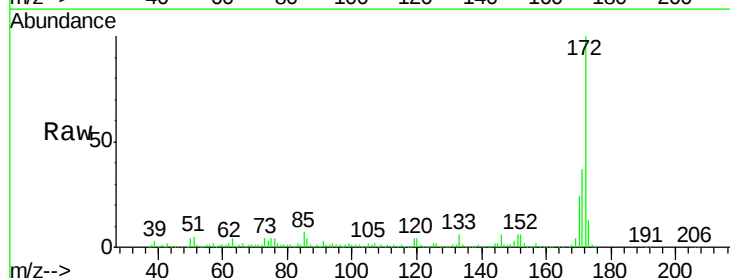


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

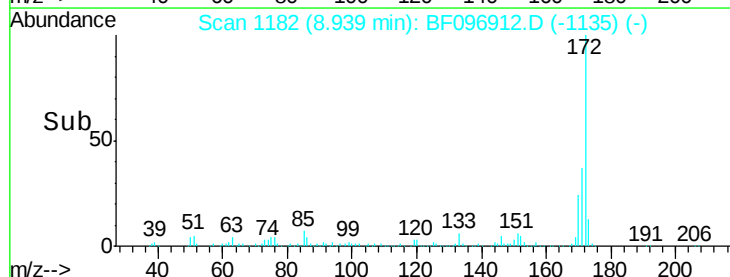
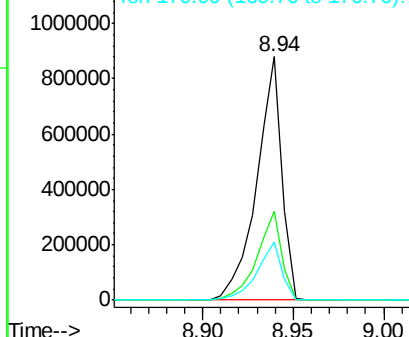


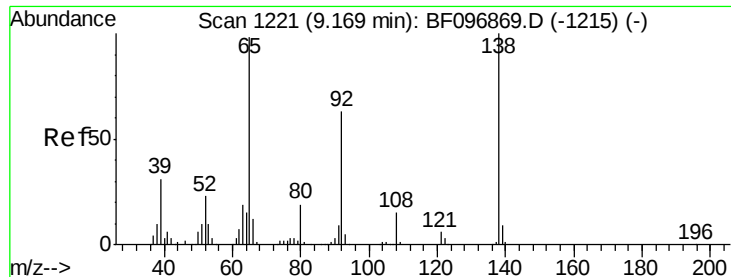
#44
 2-Fluorobiphenyl
 Concen: 85.91 ng
 RT: 8.94 min Scan# 1182
 Delta R.T. -0.02 min
 Lab File: BF096912.D
 Acq: 20 Jul 2017 18:16

Tgt Ion:172 Resp: 845258
 Ion Ratio Lower Upper
 172 100
 171 36.6 29.6 44.4
 170 23.7 19.8 29.8



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

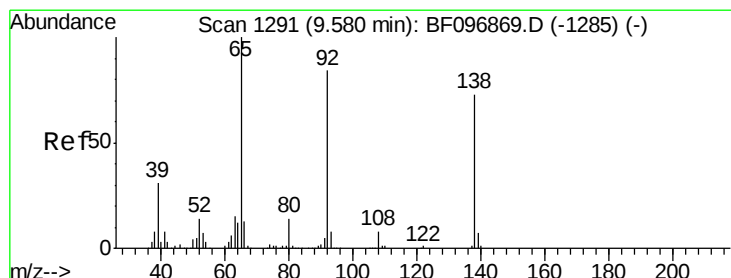
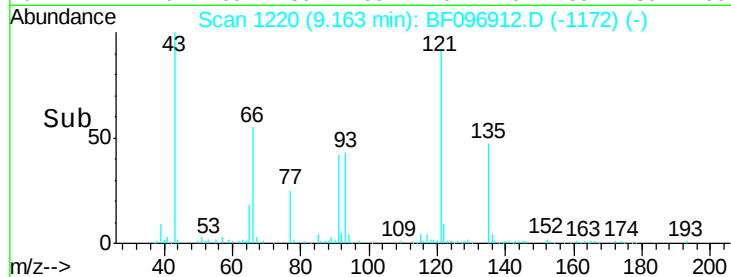
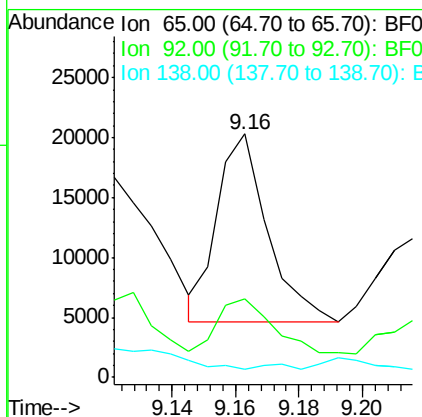
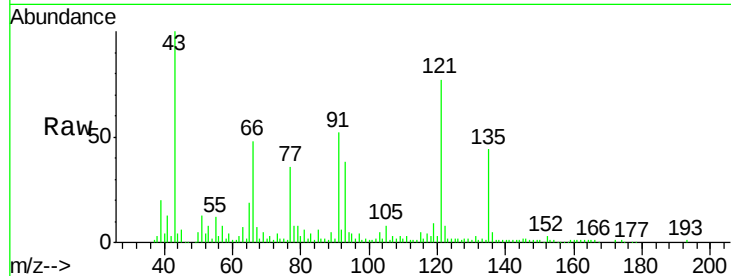




#47
 2-Nitroaniline
 Concen: 5.11 ng
 RT: 9.16 min Scan# 1220
 Delta R.T. -0.02 min
 Lab File: BF096912.D
 Acq: 20 Jul 2017 18:16

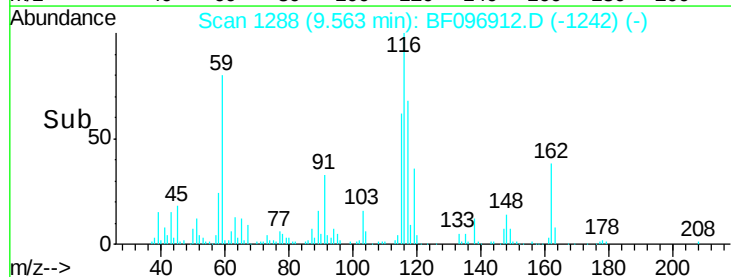
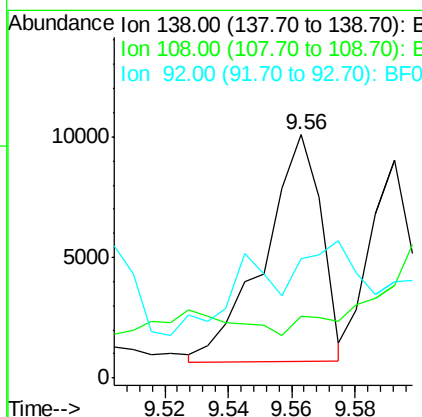
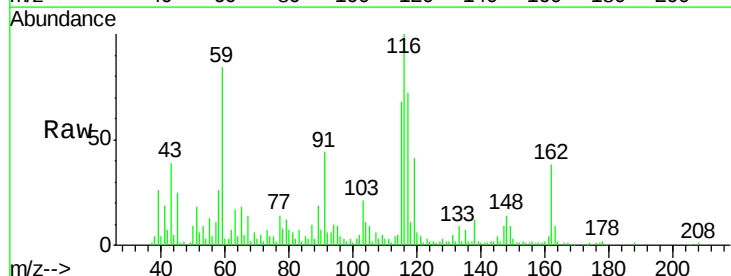
Instrument :
 BNA_F
 ClientSampleId :
 DRUM-1-2-3-COMP

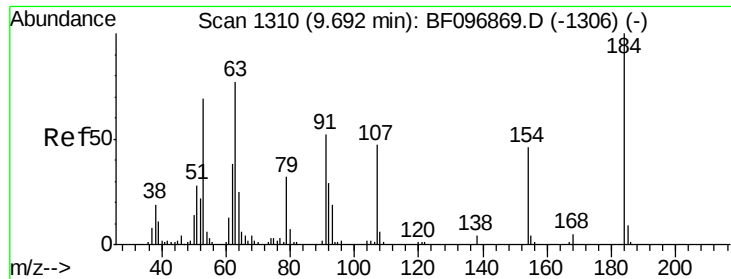
Tgt Ion: 65 Resp: 17245
 Ion Ratio Lower Upper
 65 100
 92 32.2 53.9 80.9#
 138 3.1 78.8 118.2#



#52
 3-Nitroaniline
 Concen: 3.93 ng
 RT: 9.56 min Scan# 1288
 Delta R.T. -0.03 min
 Lab File: BF096912.D
 Acq: 20 Jul 2017 18:16

Tgt Ion: 138 Resp: 11808
 Ion Ratio Lower Upper
 138 100
 108 25.3 9.1 13.7#
 92 49.3 93.8 140.6#

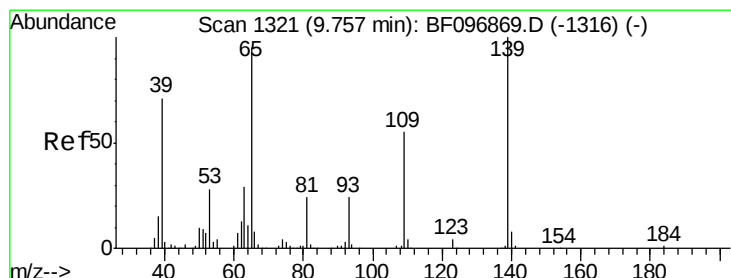
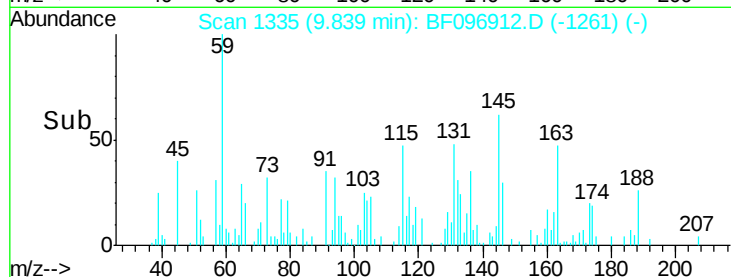
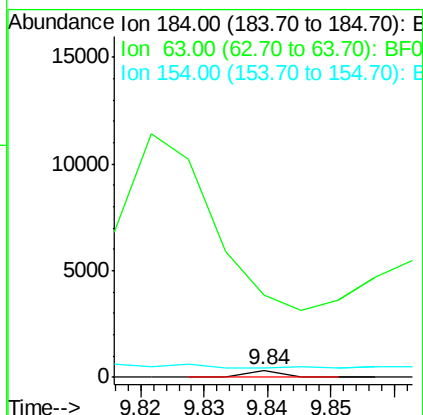
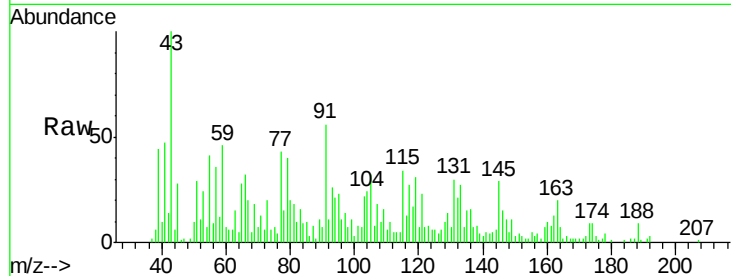




#53
 2,4-Dinitrophenol
 Concen: 6.83 ng
 RT: 9.84 min Scan# 1335
 Delta R.T. 0.14 min
 Lab File: BF096912.D
 Acq: 20 Jul 2017 18:16

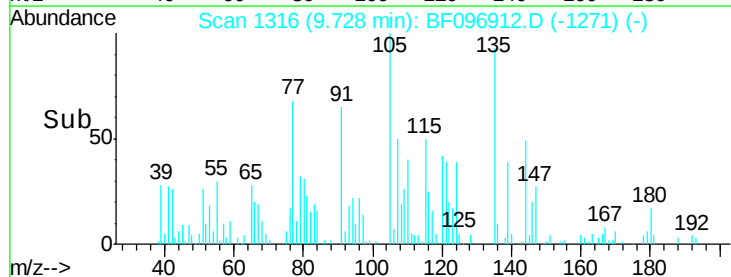
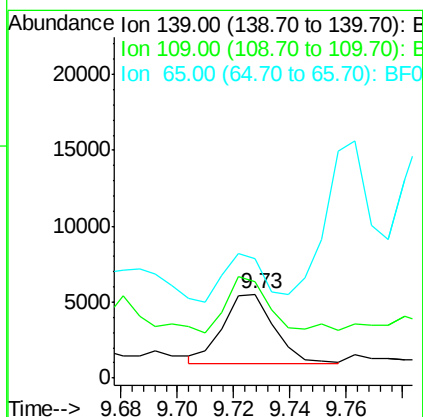
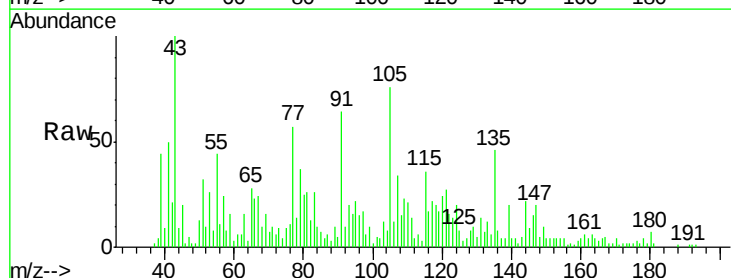
Instrument :
 BNA_F
 ClientSampleId :
 DRUM-1-2-3-COMP

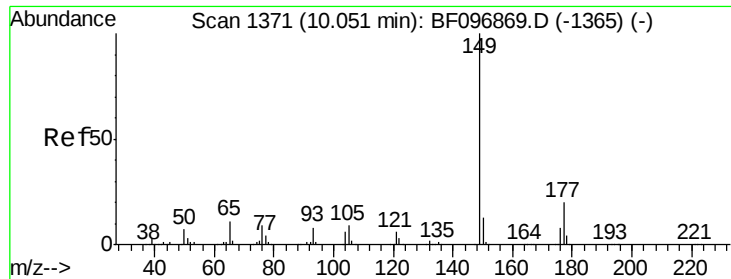
Tgt Ion:184 Resp: 122
 Ion Ratio Lower Upper
 184 100
 63 1103.2 62.7 94.1#
 154 128.5 81.1 121.7#



#55
 4-Nitrophenol
 Concen: 2.64 ng
 RT: 9.73 min Scan# 1316
 Delta R.T. -0.04 min
 Lab File: BF096912.D
 Acq: 20 Jul 2017 18:16

Tgt Ion:139 Resp: 5787
 Ion Ratio Lower Upper
 139 100
 109 115.5 34.1 74.1#
 65 142.7 31.4 71.4#

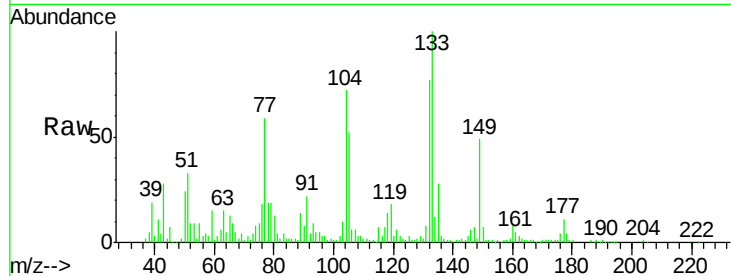




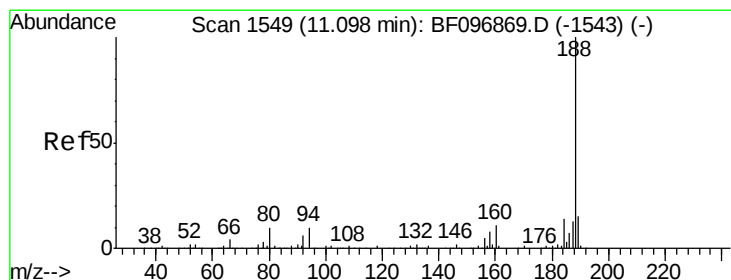
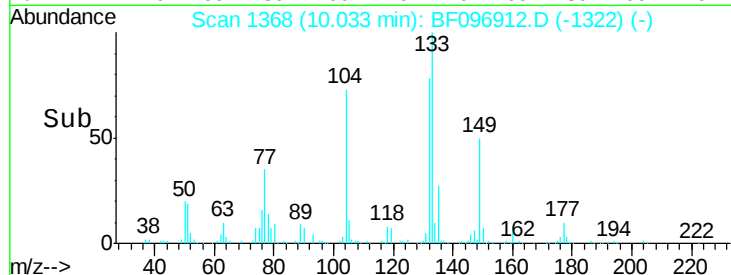
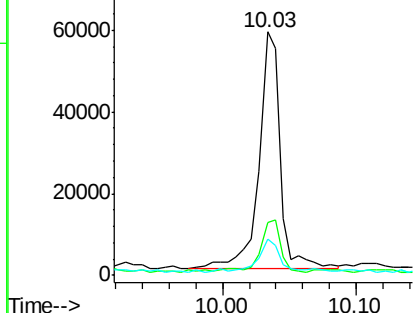
#59
Diethylphthalate
Concen: 5.61 ng
RT: 10.03 min Scan# 1368
Delta R.T. -0.03 min
Lab File: BF096912.D
Acq: 20 Jul 2017 18:16

Instrument :
BNA_F
ClientSampleId :
DRUM-1-2-3-COMP

Tgt Ion:149 Resp: 63967
Ion Ratio Lower Upper
149 100
177 21.5 16.7 25.1
150 14.9 10.2 15.2

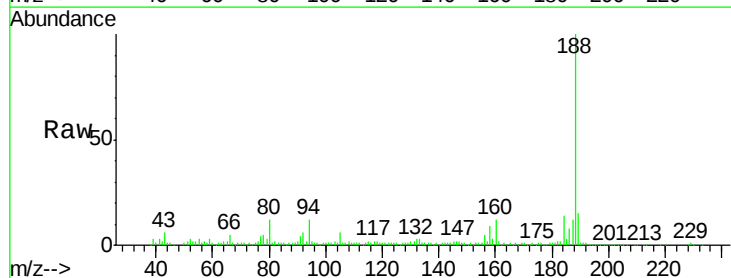


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

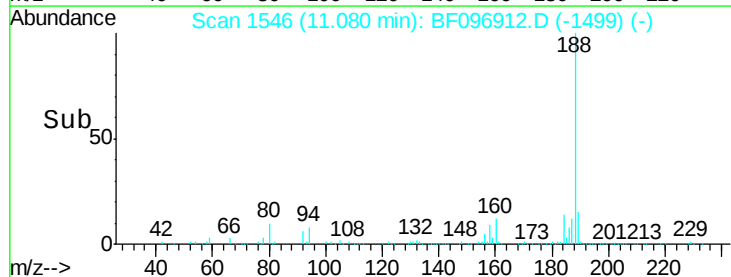
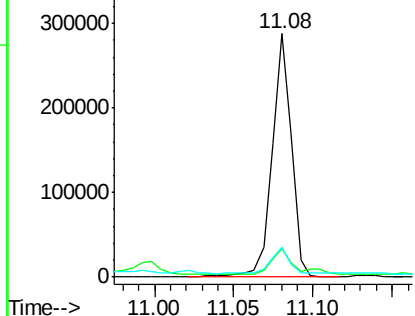


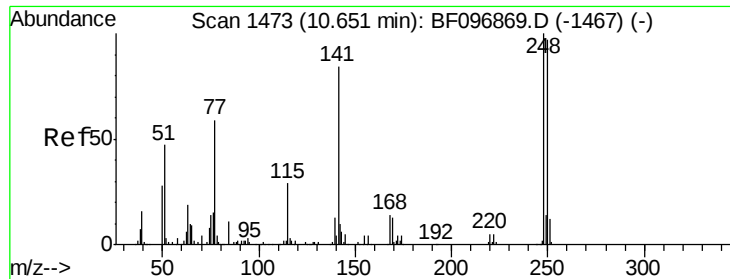
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.08 min Scan# 1546
Delta R.T. -0.02 min
Lab File: BF096912.D
Acq: 20 Jul 2017 18:16

Tgt Ion:188 Resp: 244438
Ion Ratio Lower Upper
188 100
94 11.6 9.4 14.2
80 12.0 10.2 15.2



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

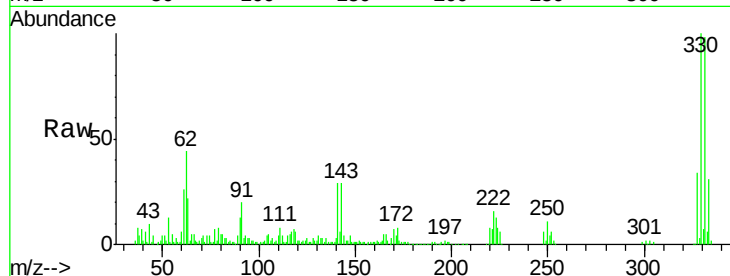




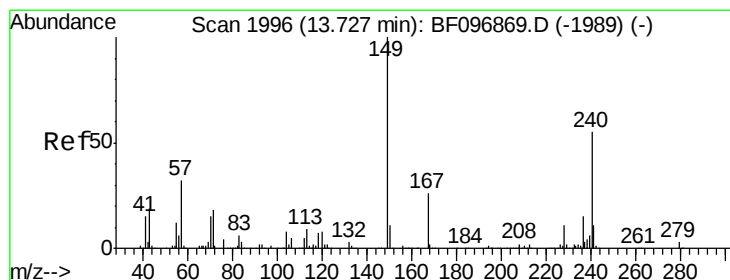
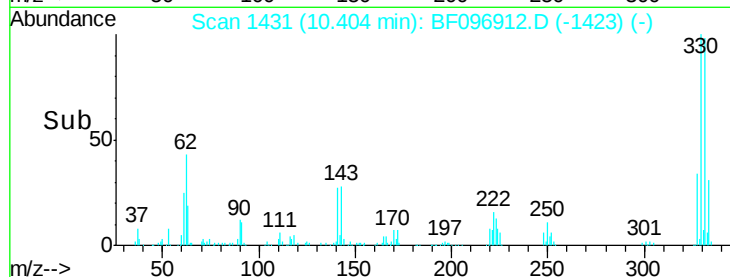
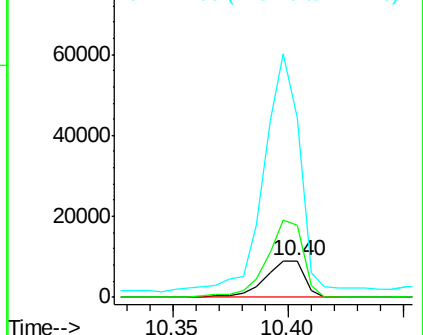
#66
4-Bromophenyl-phenylether
Concen: 4.26 ng
RT: 10.40 min Scan# 1431
Delta R.T. -0.25 min
Lab File: BF096912.D
Acq: 20 Jul 2017 18:16

Instrument :
BNA_F
ClientSampleId :
DRUM-1-2-3-COMP

Tgt Ion:248 Resp: 10636
Ion Ratio Lower Upper
248 100
250 196.0 76.8 115.2#
141 491.9 68.6 103.0#

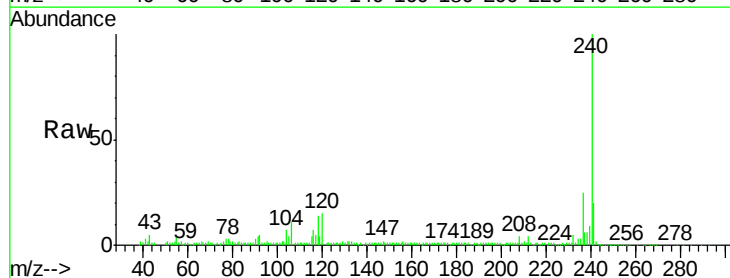


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

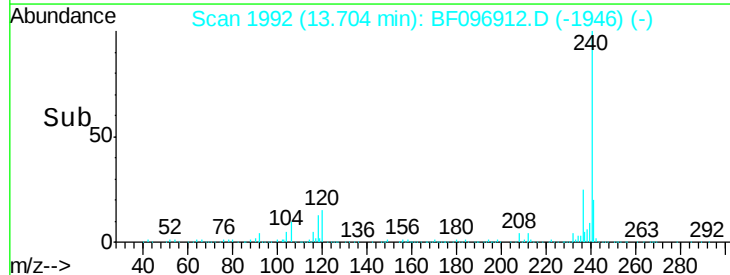
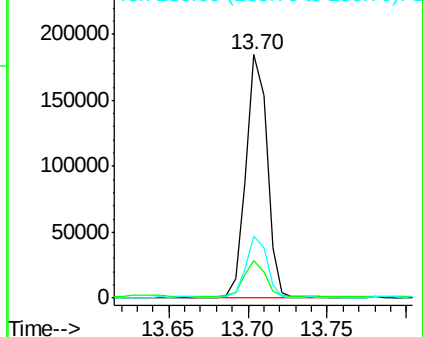


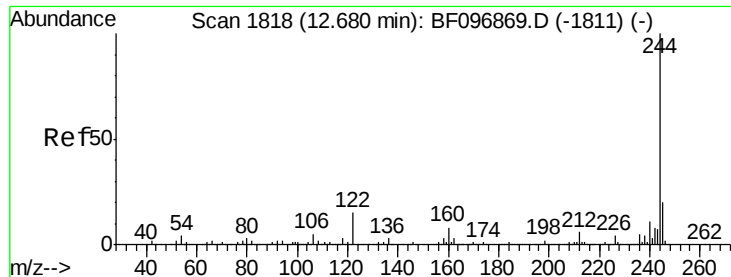
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.70 min Scan# 1992
Delta R.T. -0.03 min
Lab File: BF096912.D
Acq: 20 Jul 2017 18:16

Tgt Ion:240 Resp: 170322
Ion Ratio Lower Upper
240 100
120 15.5 5.8 8.8#
236 25.3 20.5 30.7



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 58.44 ng

RT: 12.67 min Scan# 1816

Delta R.T. -0.02 min

Lab File: BF096912.D

Acq: 20 Jul 2017 18:16

Instrument :

BNA_F

ClientSampleId :

DRUM-1-2-3-COMP

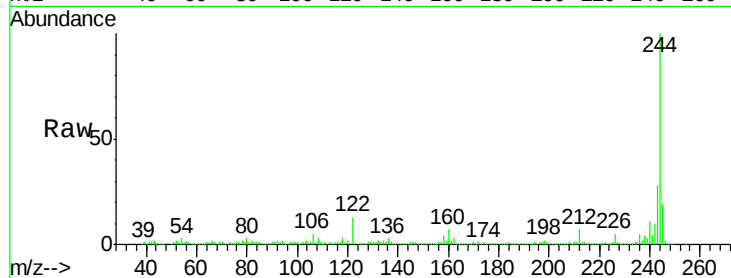
Tgt Ion:244 Resp: 573941

Ion Ratio Lower Upper

244 100

212 7.0 6.0 9.0

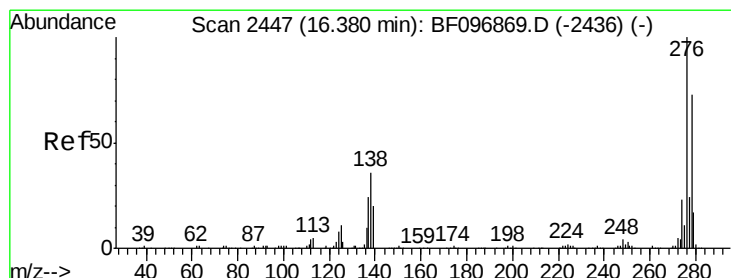
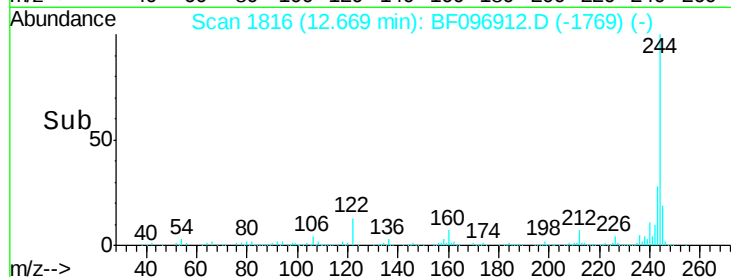
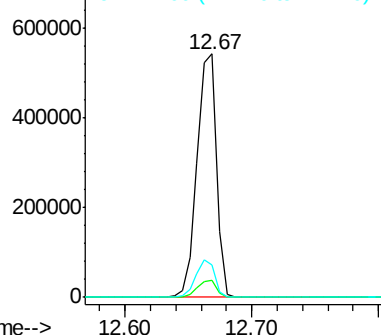
122 13.4 10.3 15.5



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: 3.36 ng

RT: 16.34 min Scan# 2441

Delta R.T. -0.05 min

Lab File: BF096912.D

Acq: 20 Jul 2017 18:16

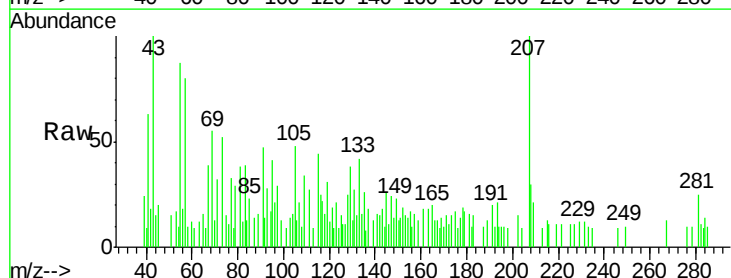
Tgt Ion:276 Resp: 354

Ion Ratio Lower Upper

276 100

138 141.2 27.8 41.6#

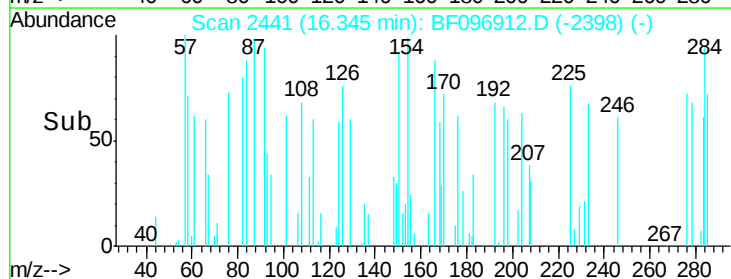
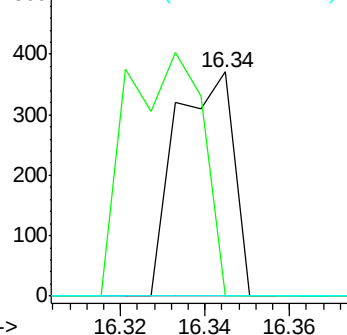
277 0.0 20.2 30.4#

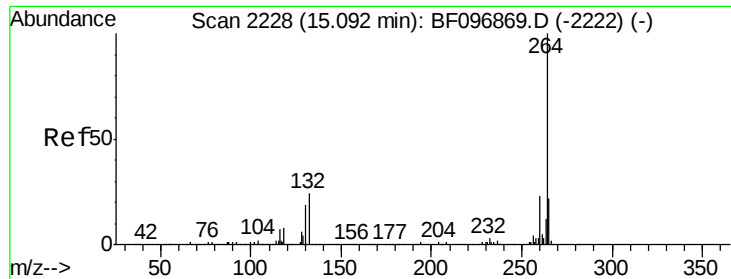


Abundance Ion 276.00 (275.70 to 276.70): E

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: BF096912.D
Acq: 20 Jul 2017 18:16

Instrument :
BNA_F
ClientSampleId :
DRUM-1-2-3-COMP

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.5	29.3
265	20.4	17.2	25.8

