

Data File : BF100506.D
Acq On : 13 Nov 2017 16:50
Operator : SJ/JU
Sample : I6301-05 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JC-02-110917-F

Quant Time: Nov 14 00:46:55 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 13 14:08:38 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	89975	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	332972	20.00	ng	0.00
38) Acenaphthene-d10	9.93	164	134064	20.00	ng	0.00
63) Phenanthrene-d10	11.41	188	216723	20.00	ng	0.00
75) Chrysene-d12	14.05	240	197724	20.00	ng	0.00
86) Perylene-d12	15.53	264	158041	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	251616	44.83	ng	0.00
7) Phenol-d6	6.51	99	303303	43.82	ng	0.00
23) Nitrobenzene-d5	7.45	82	182957	36.33	ng	0.00
41) 2,4,6-Tribromophenol	10.72	330	65937	48.27	ng	0.00
44) 2-Fluorobiphenyl	9.25	172	357928	40.65	ng	0.00
78) Terphenyl-d14	12.99	244	249856	29.04	ng	0.00

Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.45	70	23447	4.88	ng	# 82
25) Isophorone	7.45	82	182953	17.29	ng	# 64
47) 2-Nitroaniline	9.63	65	369	2.92	ng	# 1
49) Dimethylphthalate	9.63	163	50899	4.97	ng	# 99
56) 2,4-Dinitrotoluene	9.93	165	18098	7.08	ng	# 23
62) Azobenzene	10.63	77	29376	3.04	ng	# 1
70) Phenanthrene	11.43	178	38221	3.35	ng	99
74) Fluoranthene	12.62	202	53953	4.46	ng	96
77) Pyrene	12.85	202	48916	3.47	ng	98
80) Benzo(a)anthracene	14.04	228	28013	2.35	ng	91
82) Chrysene	14.04	228	28013	2.43	ng	95
87) Benzo(b)fluoranthene	15.09	252	41175	4.40	ng	# 92
88) Benzo(k)fluoranthene	15.09	252	41175	4.65	ng	95
89) Benzo(a)pyrene	15.46	252	19908	2.40	ng	# 90

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

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JC-02-110917-F

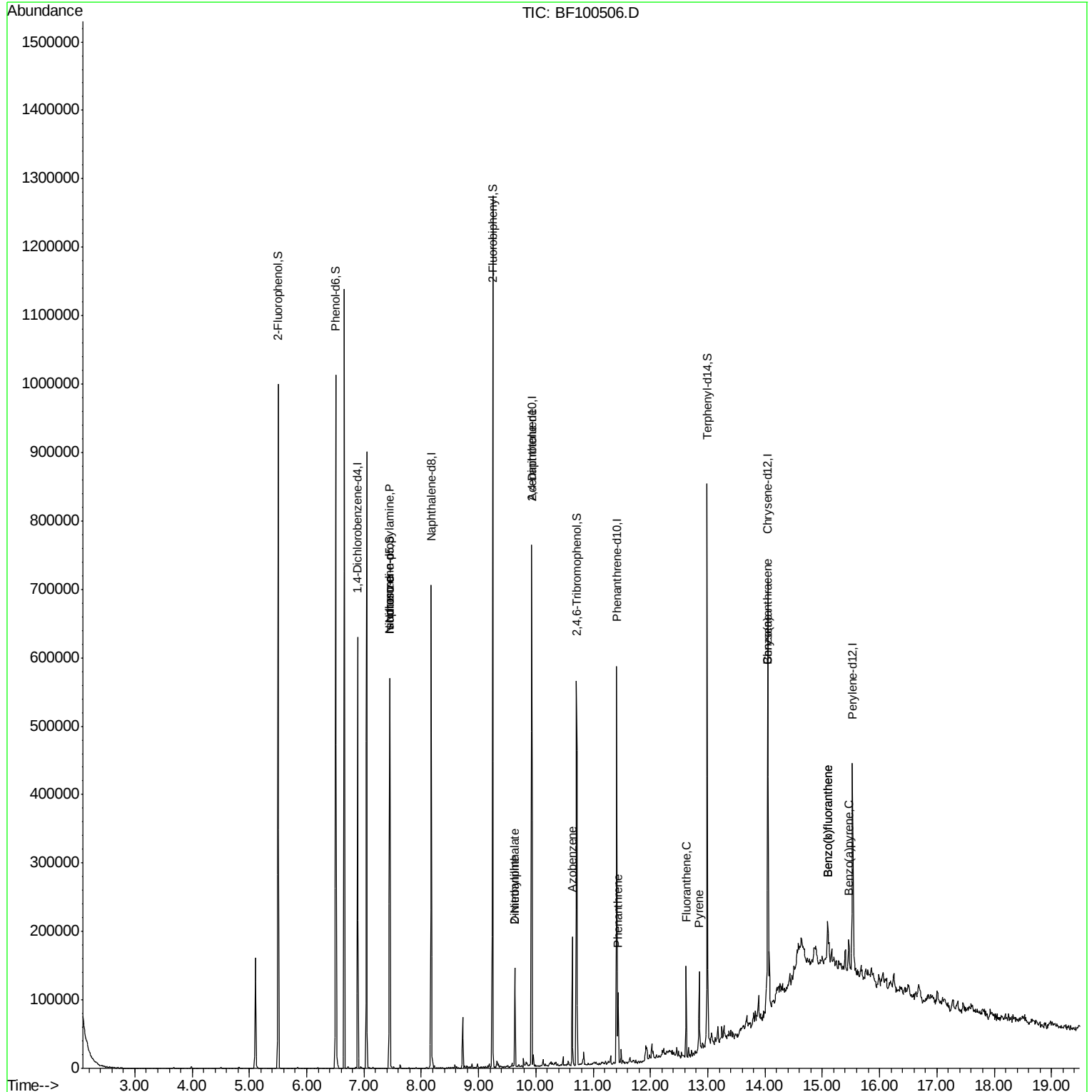
Quant Time: Nov 14 00:46:55 2017

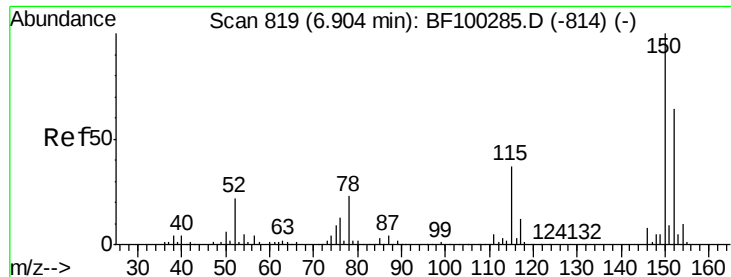
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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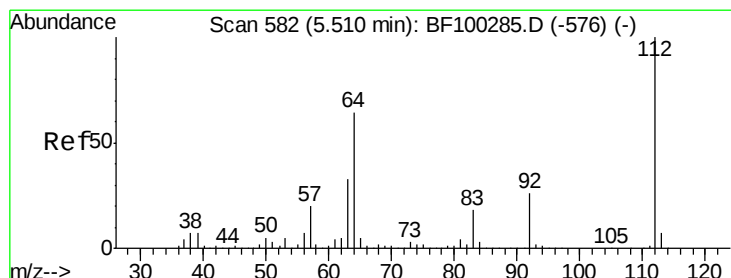
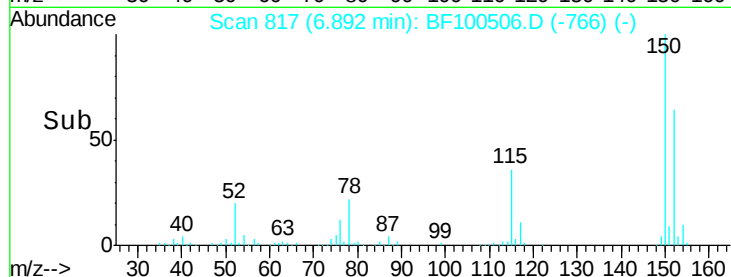
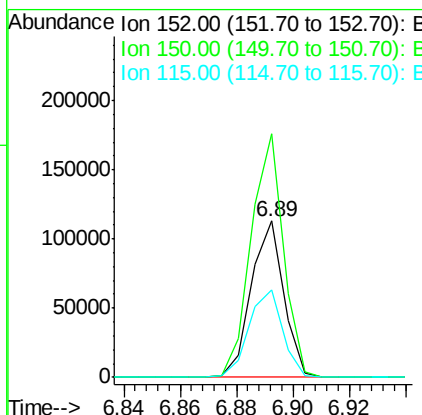
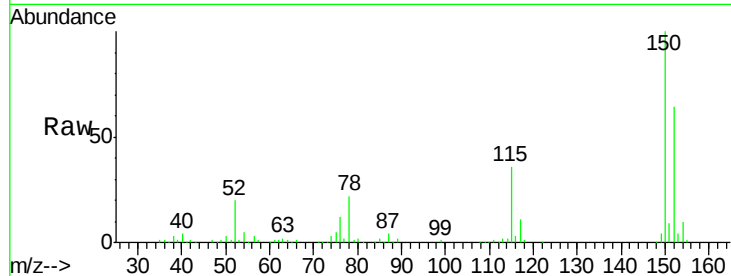




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.89 min Scan# 817
 Delta R.T. 0.00 min
 Lab File: BF100506.D
 Acq: 13 Nov 2017 16:50

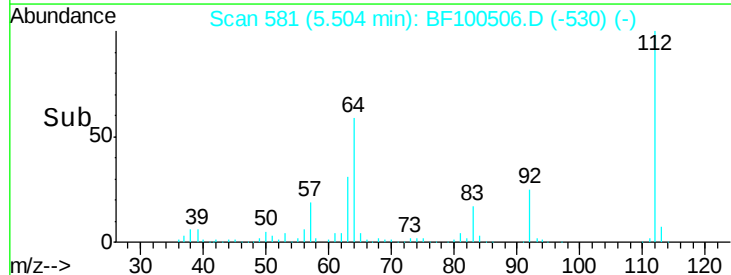
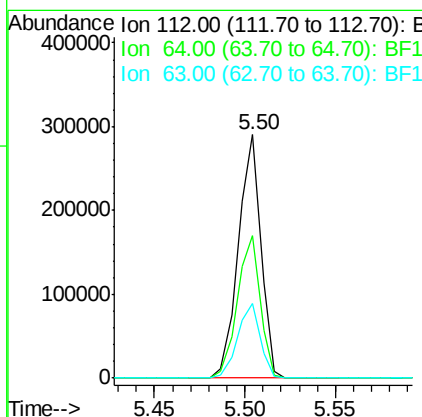
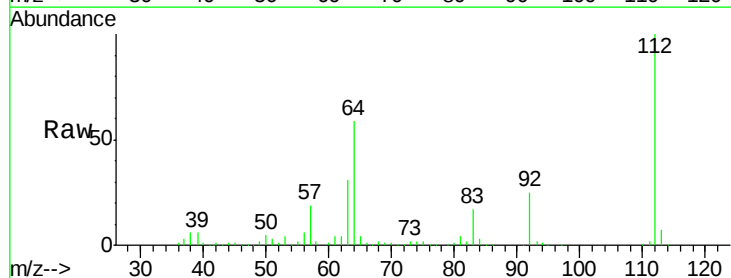
Instrument :
 BNA_F
 ClientSampleId :
 JC-02-110917-F

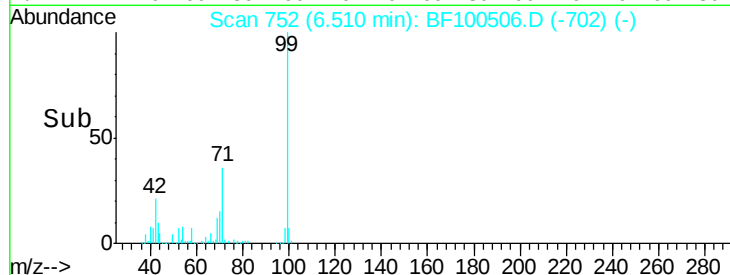
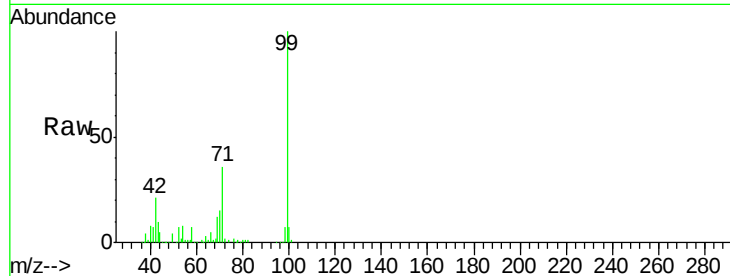
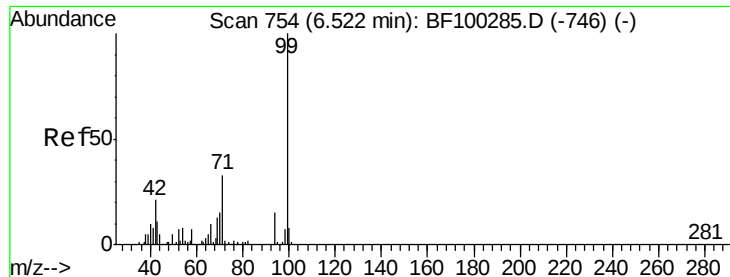
Tgt Ion:152 Resp: 89975
 Ion Ratio Lower Upper
 152 100
 150 155.9 124.6 186.8
 115 55.8 50.1 75.1



#5
 2-Fluorophenol
 Concen: 44.83 ng
 RT: 5.50 min Scan# 581
 Delta R.T. 0.00 min
 Lab File: BF100506.D
 Acq: 13 Nov 2017 16:50

Tgt Ion:112 Resp: 251616
 Ion Ratio Lower Upper
 112 100
 64 58.5 47.9 71.9
 63 30.5 23.7 35.5





#7

Phenol-d6

Concen: 43.82 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF100506.D

Acq: 13 Nov 2017 16:50

Instrument :

BNA_F

ClientSampleId :

JC-02-110917-F

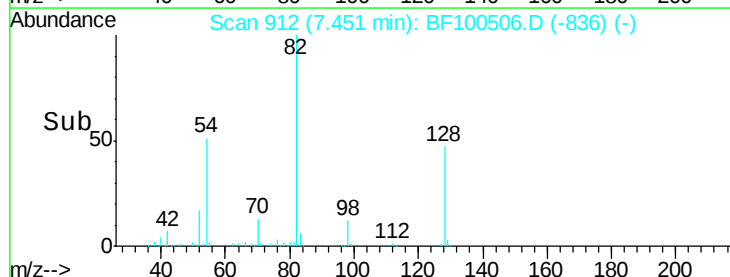
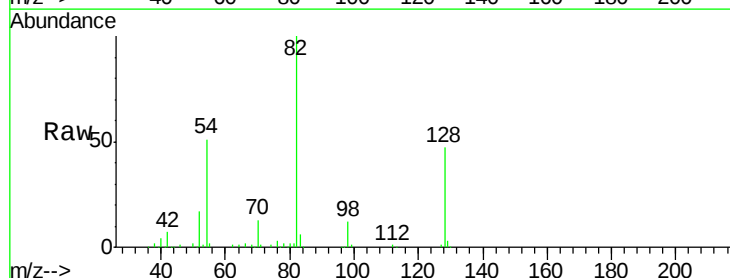
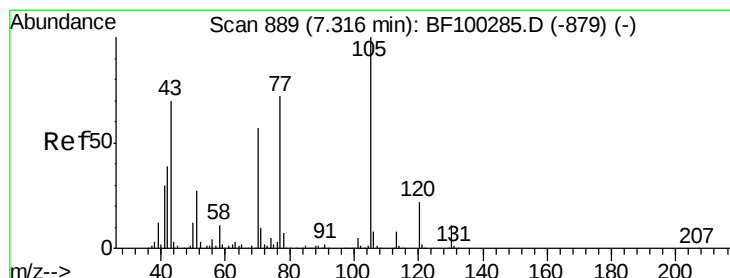
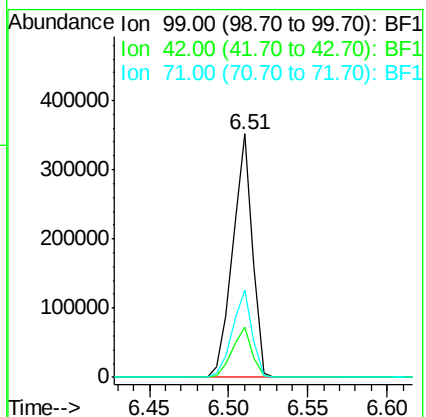
Tgt Ion: 99 Resp: 303303

Ion Ratio Lower Upper

99 100

42 20.9 14.5 21.7

71 35.7 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 4.88 ng

RT: 7.45 min Scan# 912

Delta R.T. 0.15 min

Lab File: BF100506.D

Acq: 13 Nov 2017 16:50

Tgt Ion: 70 Resp: 23447

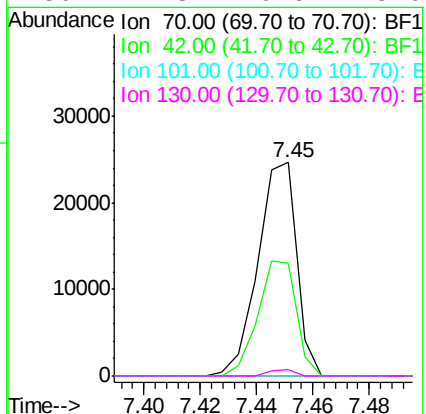
Ion Ratio Lower Upper

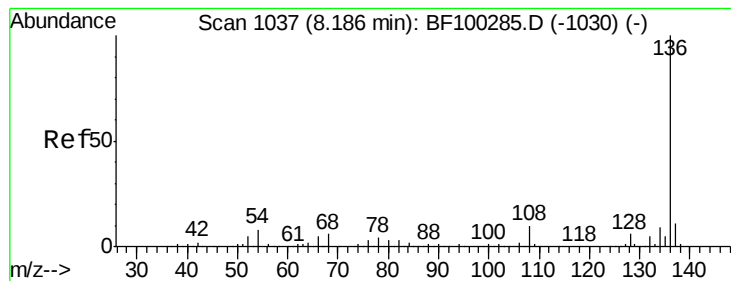
70 100

42 52.6 47.5 71.3

101 0.0 7.4 11.2#

130 2.8 16.6 25.0#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.17 min Scan# 1035

Delta R.T. 0.00 min

Lab File: BF100506.D

Acq: 13 Nov 2017 16:50

Instrument :

BNA_F

ClientSampleId :

JC-02-110917-F

Tgt Ion: 136 Resp: 332972

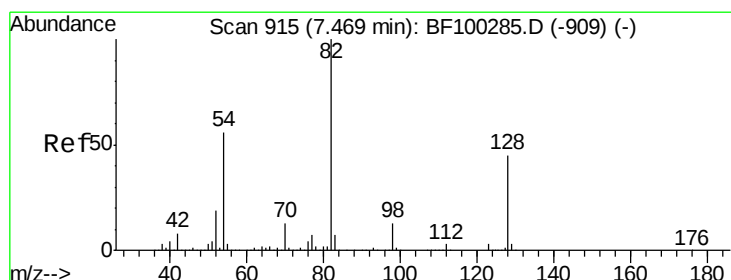
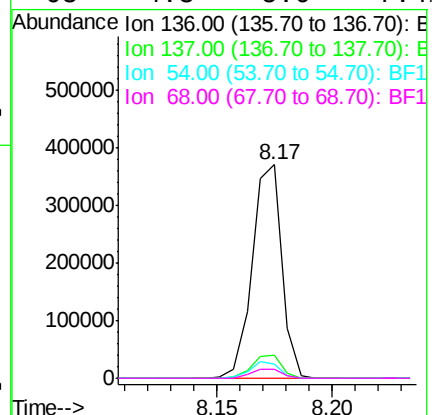
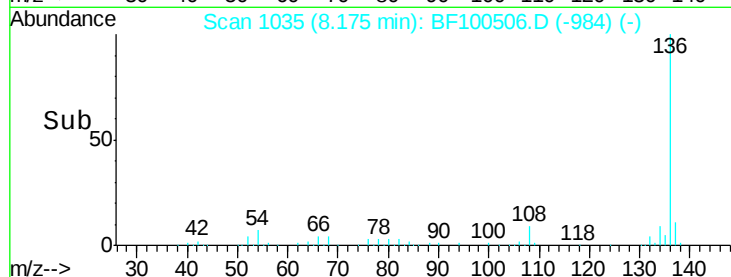
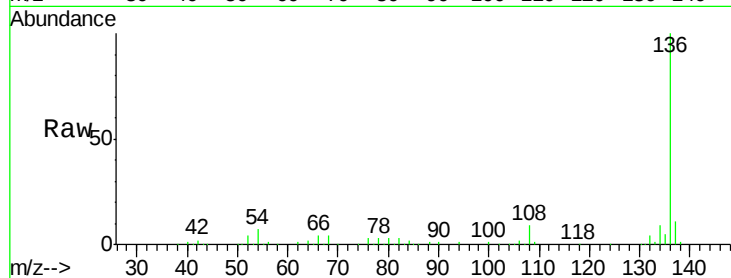
Ion Ratio Lower Upper

136 100

137 10.6 8.9 13.3

54 6.8 6.6 9.8

68 4.3 5.0 7.4#



#23

Nitrobenzene-d5

Concen: 36.33 ng

RT: 7.45 min Scan# 912

Delta R.T. -0.01 min

Lab File: BF100506.D

Acq: 13 Nov 2017 16:50

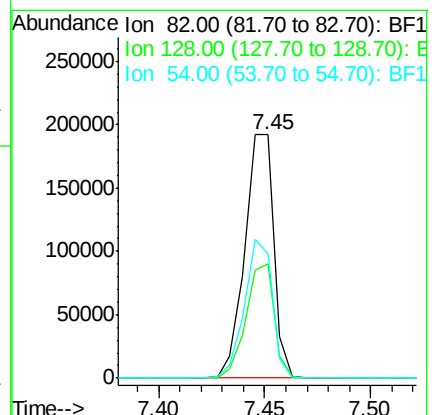
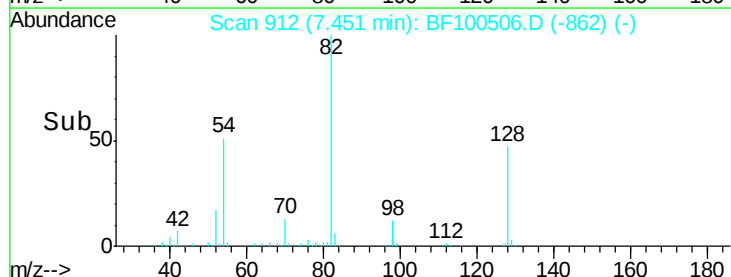
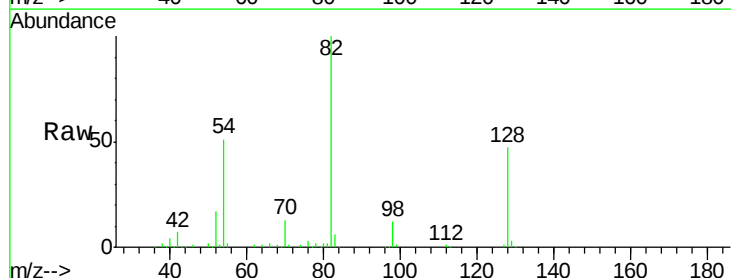
Tgt Ion: 82 Resp: 182957

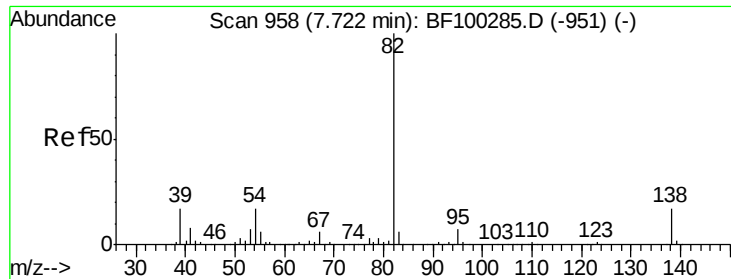
Ion Ratio Lower Upper

82 100

128 47.2 36.1 54.1

54 51.3 41.4 62.2

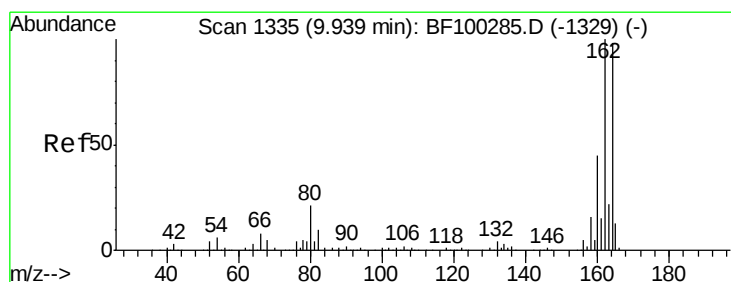
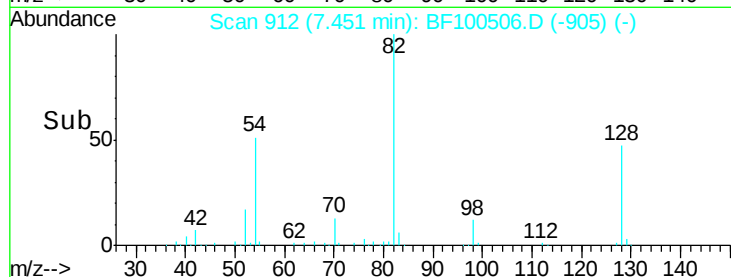
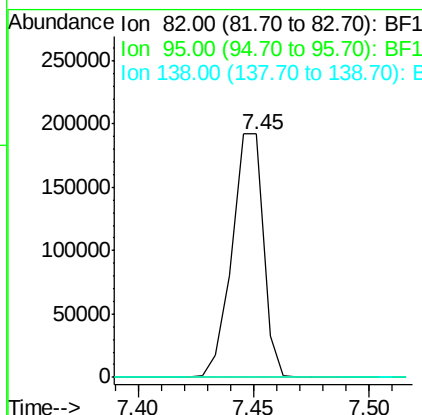
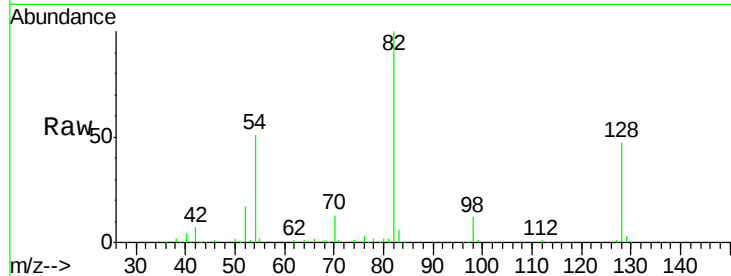




#25
Isophorone
Concen: 17.29 ng
RT: 7.45 min Scan# 912
Delta R.T. -0.26 min
Lab File: BF100506.D
Acq: 13 Nov 2017 16:50

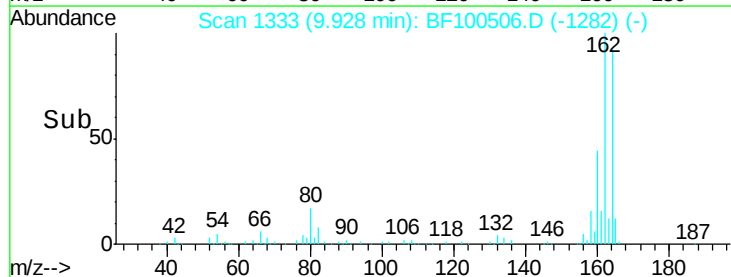
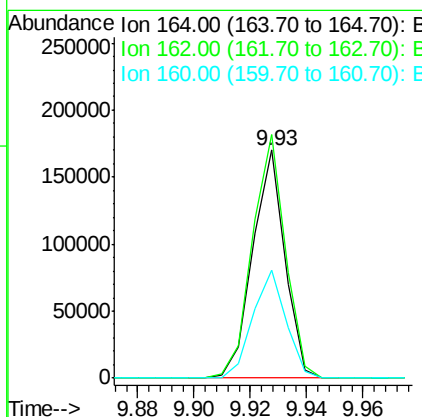
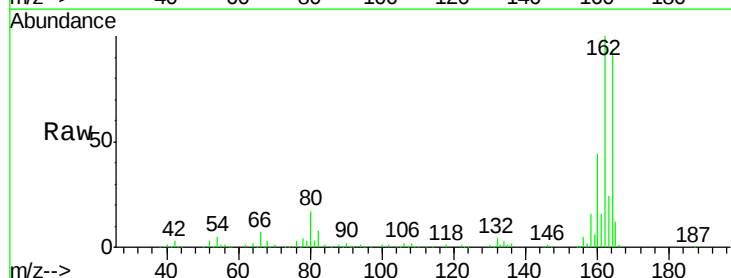
Instrument :
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ClientSampleId :
JC-02-110917-F

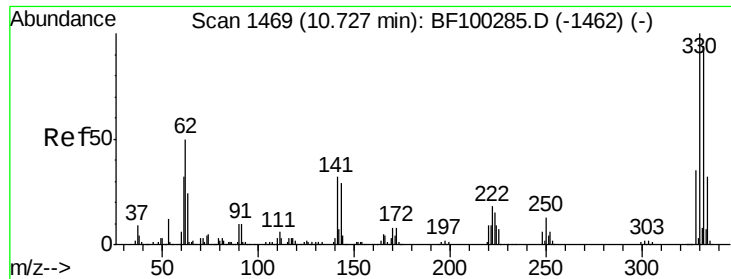
Tgt Ion: 82 Resp: 182953
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.93 min Scan# 1333
Delta R.T. 0.00 min
Lab File: BF100506.D
Acq: 13 Nov 2017 16:50

Tgt Ion: 164 Resp: 134064
Ion Ratio Lower Upper
164 100
162 106.8 86.1 129.1
160 47.3 38.3 57.5

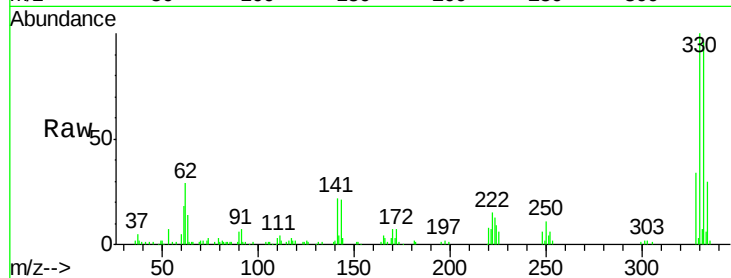




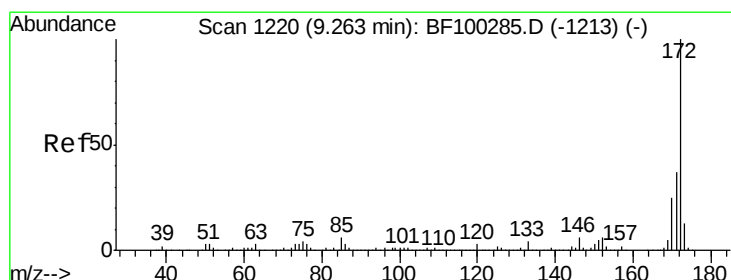
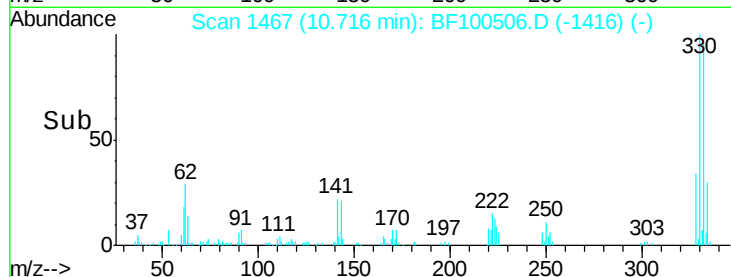
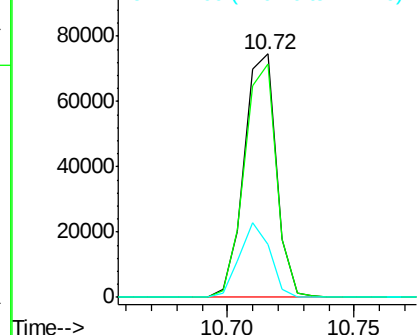
#41
 2,4,6-Tribromophenol
 Concen: 48.27 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: BF100506.D
 Acq: 13 Nov 2017 16:50

Instrument :
 BNA_F
 ClientSampleId :
 JC-02-110917-F

Tgt Ion: 330 Resp: 65937
 Ion Ratio Lower Upper
 330 100
 332 95.5 77.0 115.6
 141 28.9 29.9 44.9#

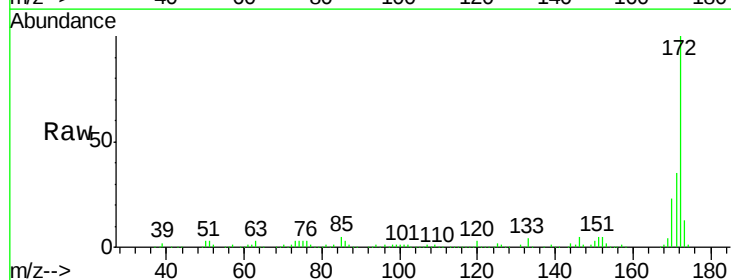


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

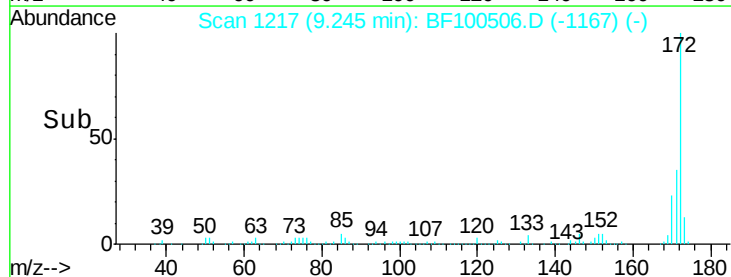
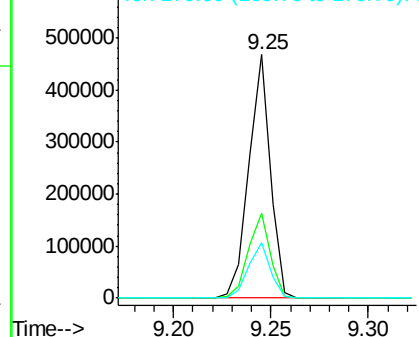


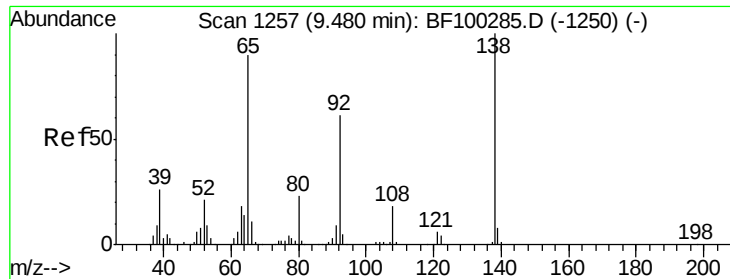
#44
 2-Fluorobiphenyl
 Concen: 40.65 ng
 RT: 9.25 min Scan# 1217
 Delta R.T. -0.01 min
 Lab File: BF100506.D
 Acq: 13 Nov 2017 16:50

Tgt Ion: 172 Resp: 357928
 Ion Ratio Lower Upper
 172 100
 171 34.7 29.7 44.5
 170 22.9 19.6 29.4



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: 2.92 ng

RT: 9.63 min Scan# 1283

Delta R.T. 0.16 min

Lab File: BF100506.D

Acq: 13 Nov 2017 16:50

Instrument :

BNA_F

ClientSampleId :

JC-02-110917-F

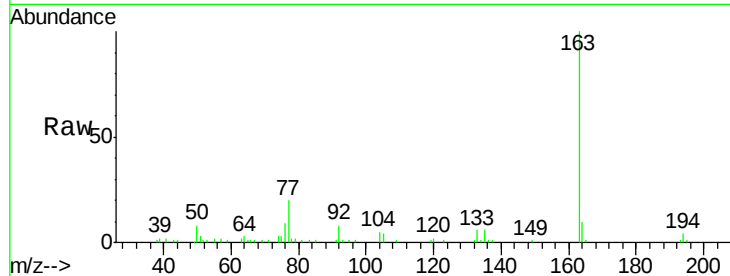
Tgt Ion: 65 Resp: 369

Ion Ratio Lower Upper

65 100

92 793.1 55.8 83.6#

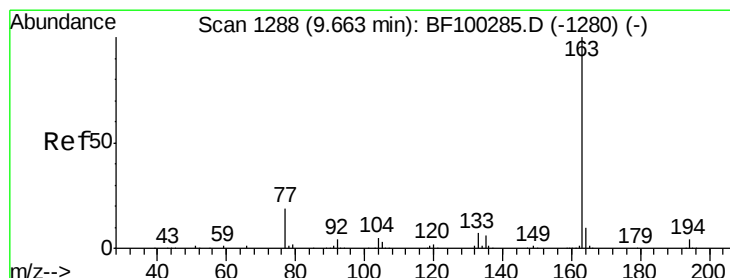
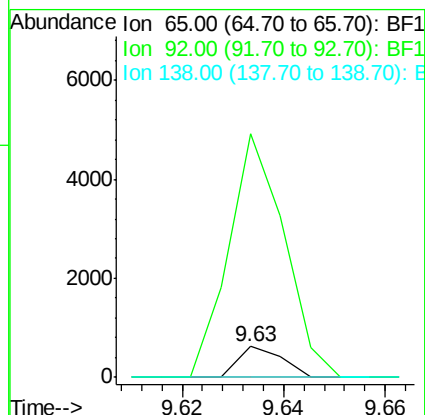
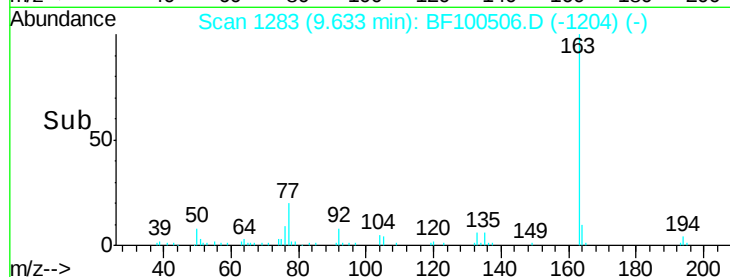
138 0.0 91.2 136.8#



Abundance Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#49

Dimethylphthalate

Concen: 4.97 ng

RT: 9.63 min Scan# 1283

Delta R.T. -0.02 min

Lab File: BF100506.D

Acq: 13 Nov 2017 16:50

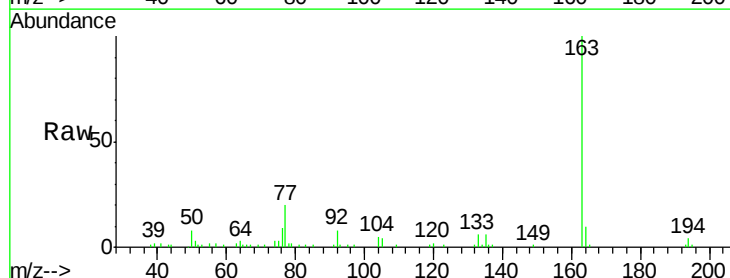
Tgt Ion: 163 Resp: 50899

Ion Ratio Lower Upper

163 100

194 4.4 2.7 4.1#

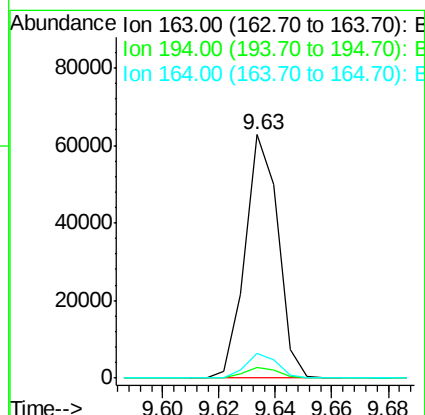
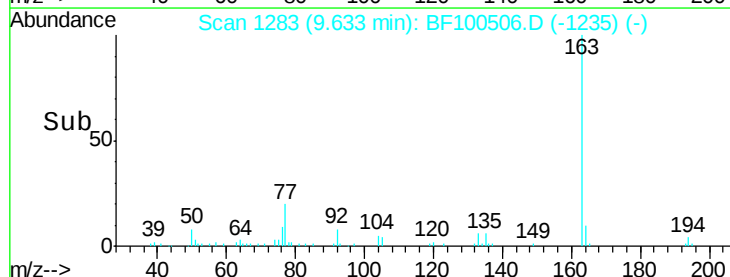
164 10.4 8.2 12.2

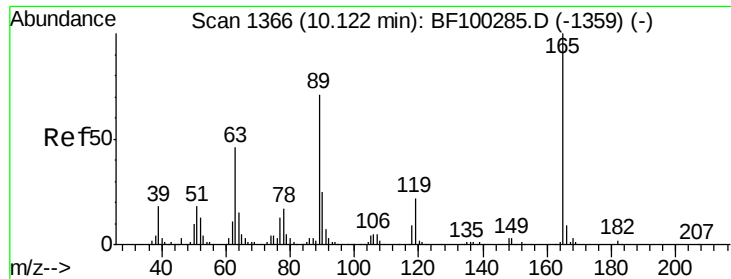


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

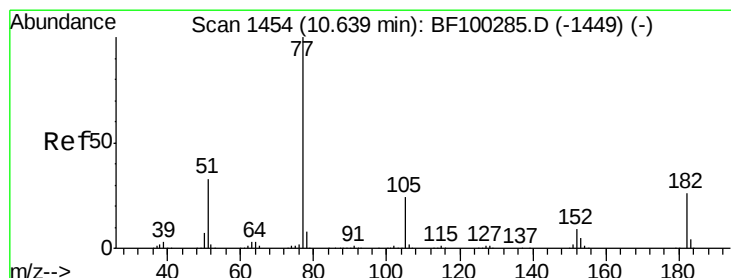
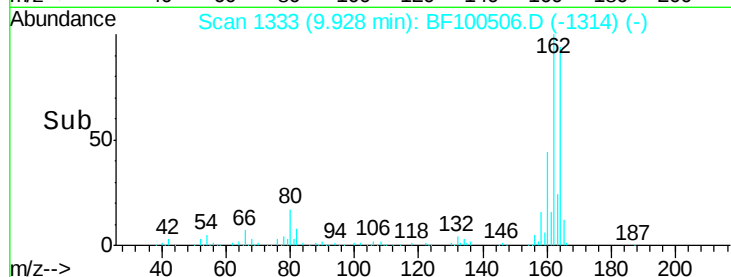
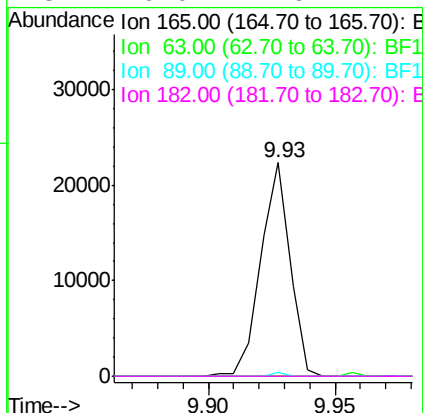
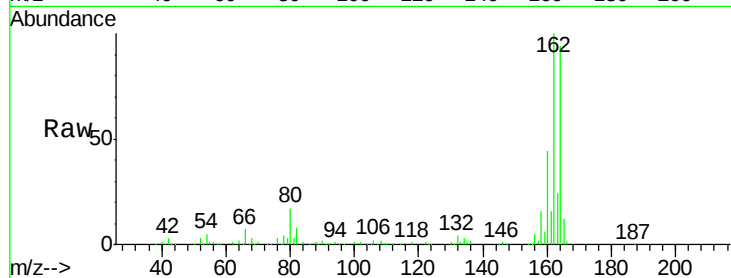




#56
 2,4-Dinitrotoluene
 Concen: 7.08 ng
 RT: 9.93 min Scan# 1333
 Delta R.T. -0.19 min
 Lab File: BF100506.D
 Acq: 13 Nov 2017 16:50

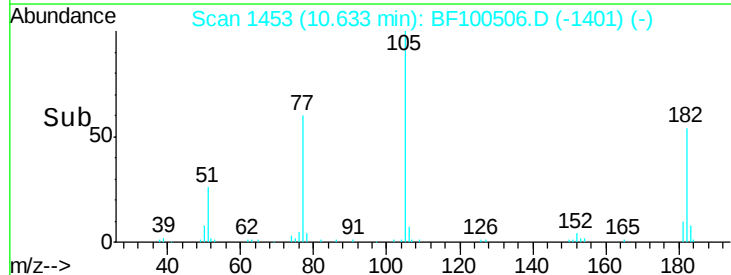
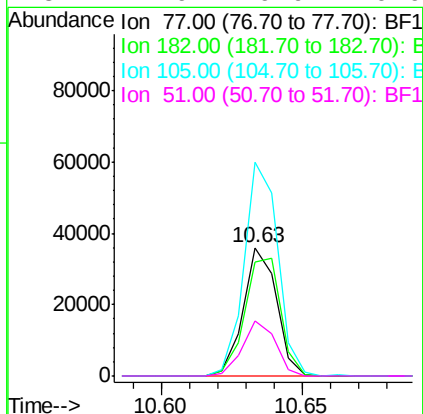
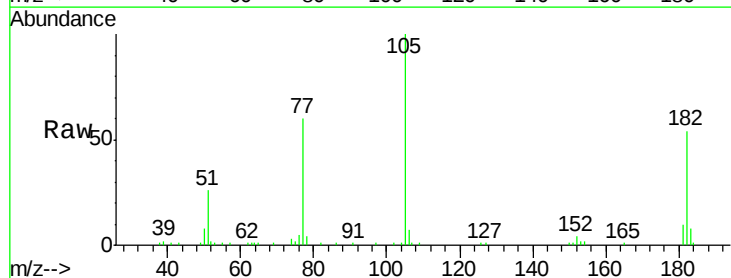
Instrument :
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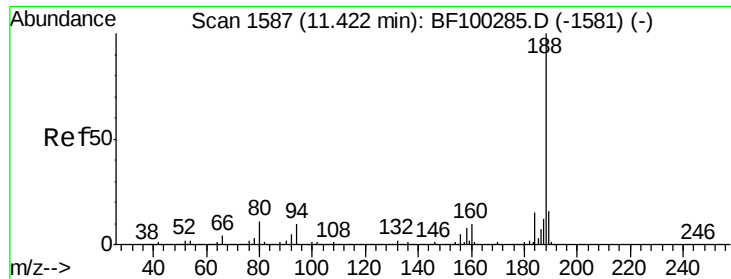
Tgt Ion:	165	Resp:	18098
Ion Ratio	Lower	Upper	
165	100		
63	0.0	36.4	54.6#
89	1.7	57.8	86.6#
182	0.0	1.6	2.4#



#62
 Azobenzene
 Concen: 3.04 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. 0.01 min
 Lab File: BF100506.D
 Acq: 13 Nov 2017 16:50

Tgt Ion:	77	Resp:	29376
Ion Ratio	Lower	Upper	
77	100		
182	89.0	1.7	41.7#
105	166.1	3.0	43.0#
51	42.9	9.9	49.9





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.41 min Scan# 1585

Delta R.T. 0.00 min

Lab File: BF100506.D

Acq: 13 Nov 2017 16:50

Instrument :

BNA_F

ClientSampleId :

JC-02-110917-F

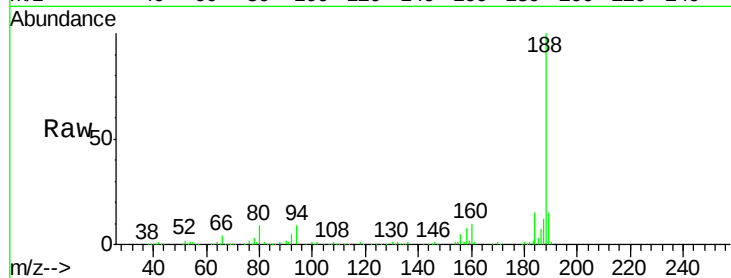
Tgt Ion:188 Resp: 216723

Ion Ratio Lower Upper

188 100

94 8.6 8.5 12.7

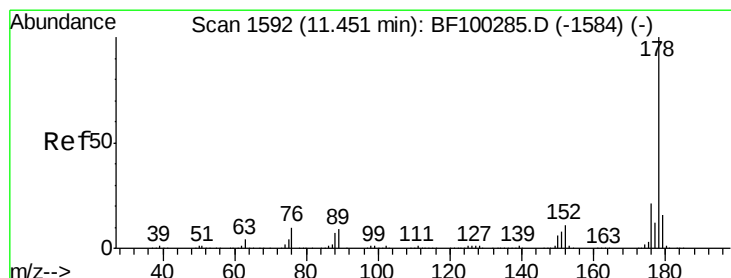
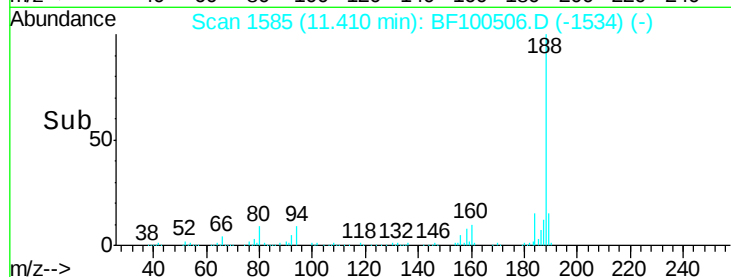
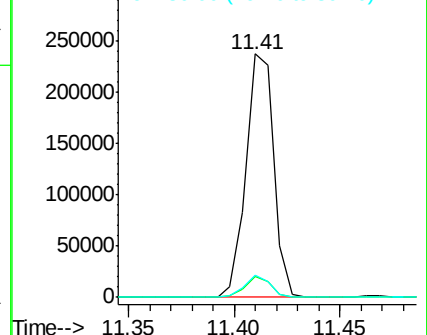
80 9.2 9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#70

Phenanthrene

Concen: 3.35 ng

RT: 11.43 min Scan# 1589

Delta R.T. -0.01 min

Lab File: BF100506.D

Acq: 13 Nov 2017 16:50

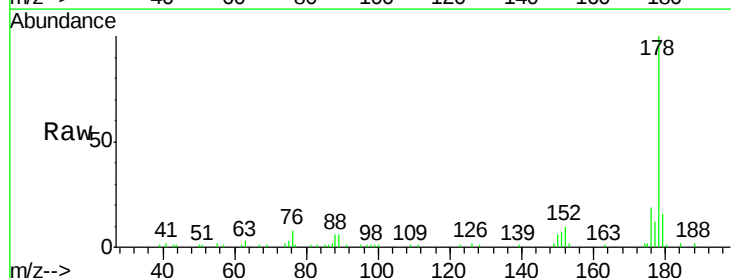
Tgt Ion:178 Resp: 38221

Ion Ratio Lower Upper

178 100

176 19.1 15.8 23.8

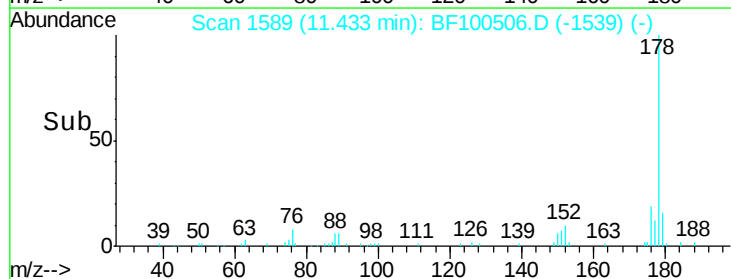
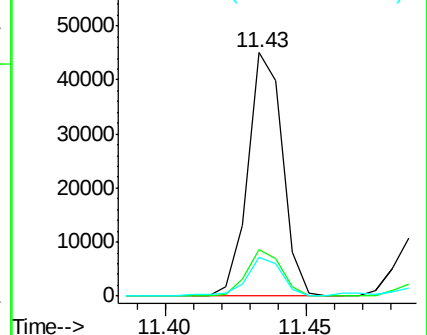
179 16.0 13.0 19.6

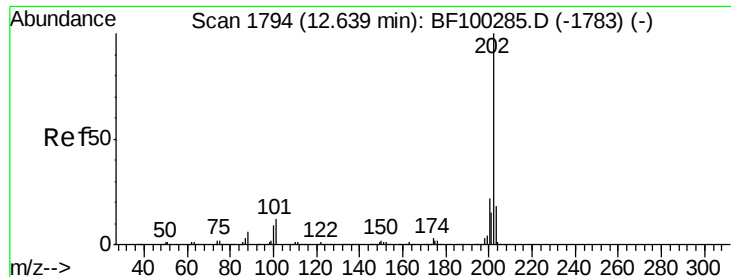


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

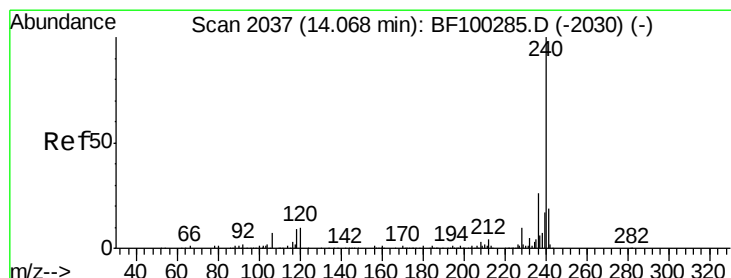
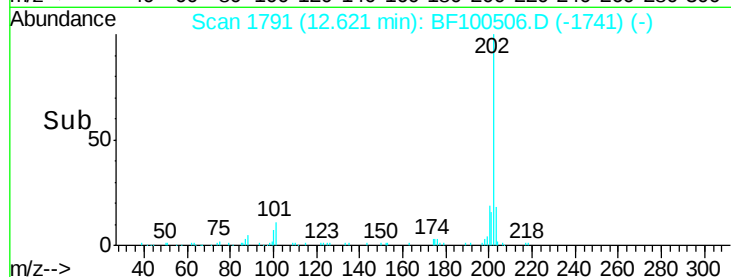
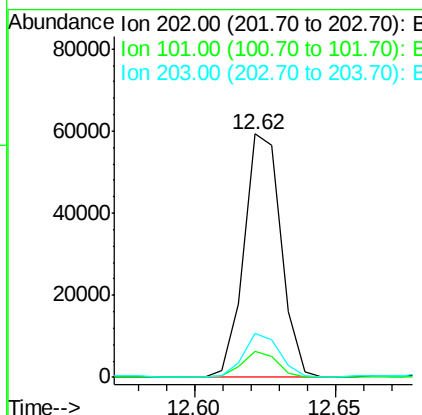
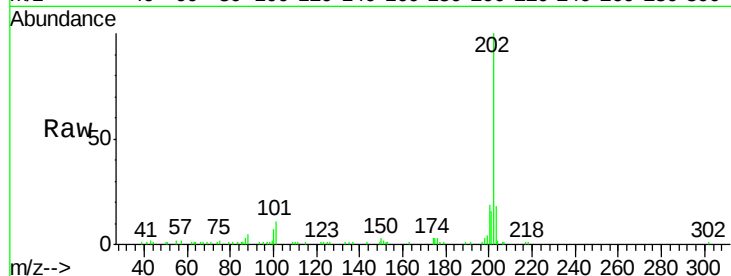




#74
 Fluoranthene
 Concen: 4.46 ng
 RT: 12.62 min Scan# 1791
 Delta R.T. -0.01 min
 Lab File: BF100506.D
 Acq: 13 Nov 2017 16:50

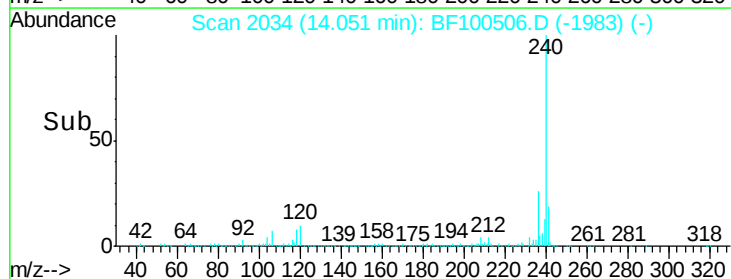
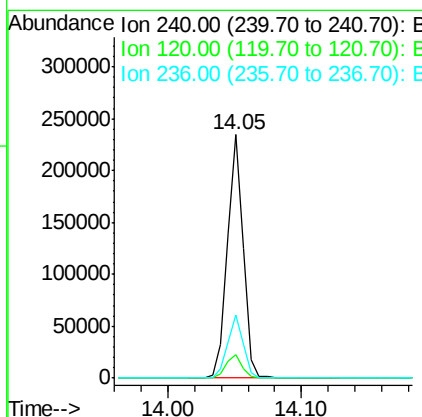
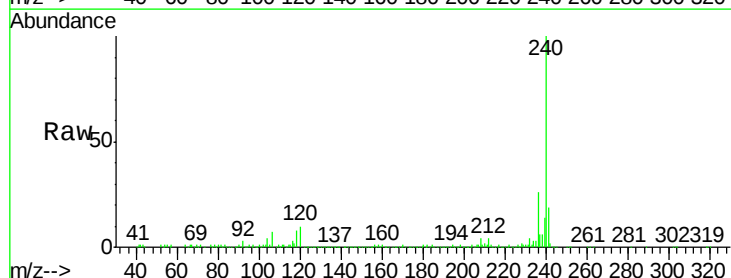
Instrument :
 BNA_F
 ClientSampleId :
 JC-02-110917-F

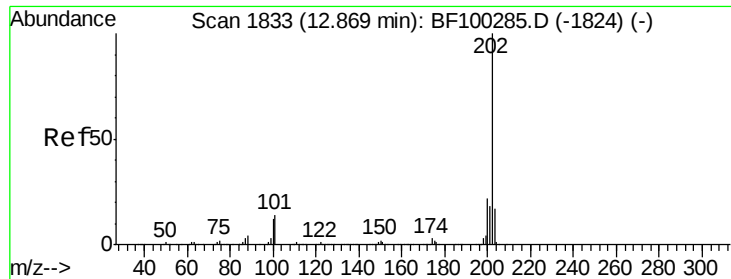
Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.7	0.0	34.1
203	18.1	0.0	38.1



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.05 min Scan# 2034
 Delta R.T. 0.00 min
 Lab File: BF100506.D
 Acq: 13 Nov 2017 16:50

Tgt Ion	Ratio	Lower	Upper
240	100		
120	9.6	9.5	14.3
236	25.9	20.7	31.1





#77

Pyrene

Concen: 3.47 ng

RT: 12.85 min Scan# 1830

Delta R.T. -0.01 min

Lab File: BF100506.D

Acq: 13 Nov 2017 16:50

Instrument :

BNA_F

ClientSampleId :

JC-02-110917-F

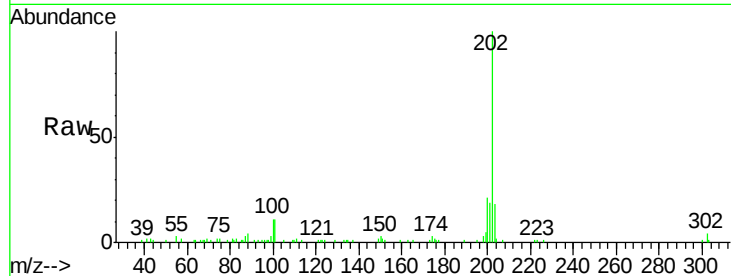
Tgt Ion:202 Resp: 48916

Ion Ratio Lower Upper

202 100

200 20.6 17.4 26.2

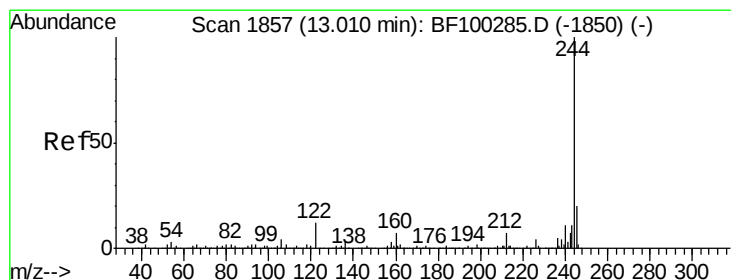
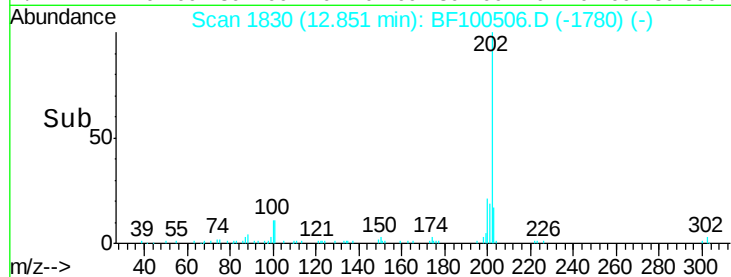
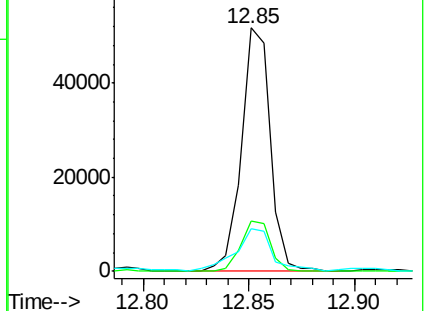
203 17.6 14.3 21.5



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 29.04 ng

RT: 12.99 min Scan# 1854

Delta R.T. -0.01 min

Lab File: BF100506.D

Acq: 13 Nov 2017 16:50

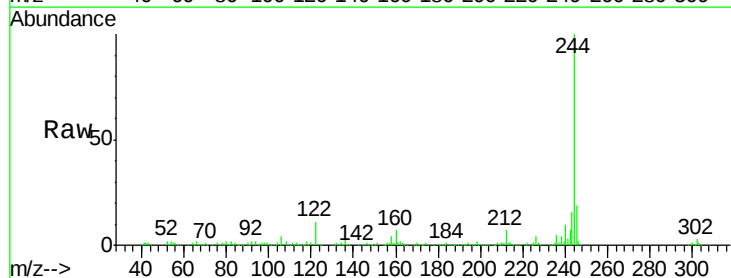
Tgt Ion:244 Resp: 249856

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

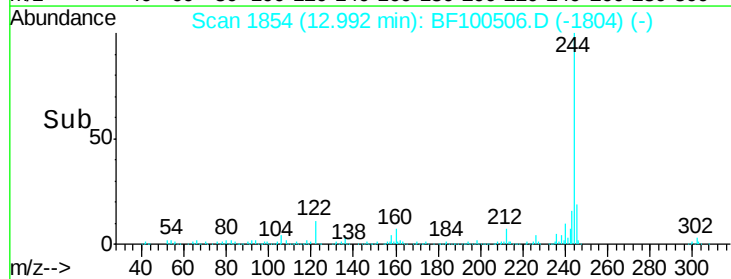
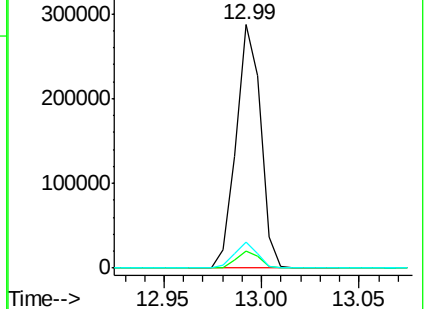
122 10.6 11.0 16.4#

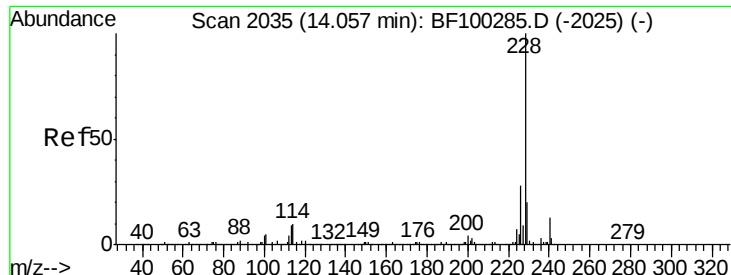


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 2.35 ng

RT: 14.04 min Scan# 2032

Delta R.T. 0.00 min

Lab File: BF100506.D

Acq: 13 Nov 2017 16:50

Instrument :

BNA_F

ClientSampleId :

JC-02-110917-F

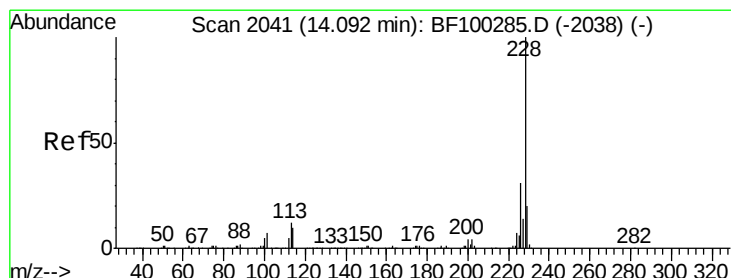
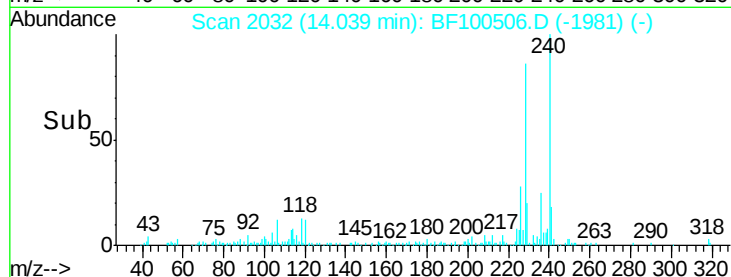
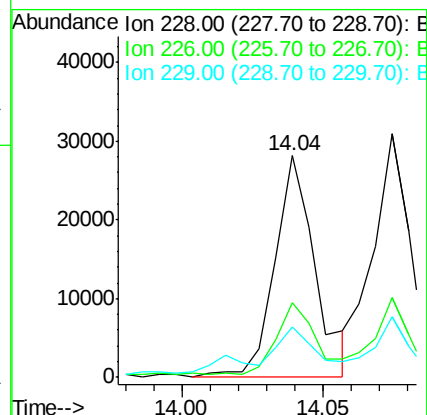
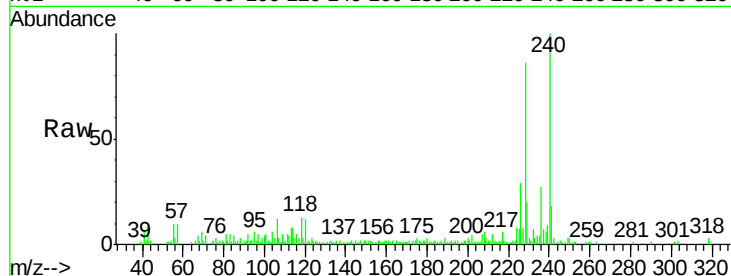
Tgt Ion:228 Resp: 28013

Ion Ratio Lower Upper

228 100

226 33.6 22.6 33.8

229 22.7 15.8 23.6



#82

Chrysene

Concen: 2.43 ng

RT: 14.04 min Scan# 2032

Delta R.T. -0.04 min

Lab File: BF100506.D

Acq: 13 Nov 2017 16:50

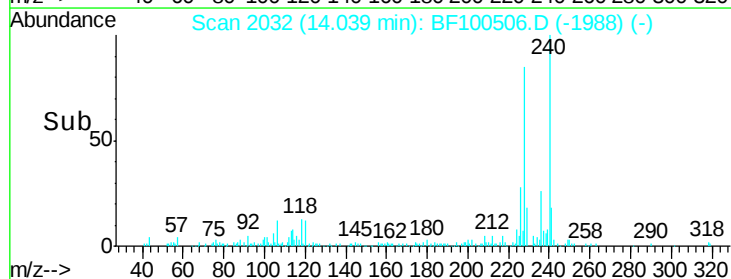
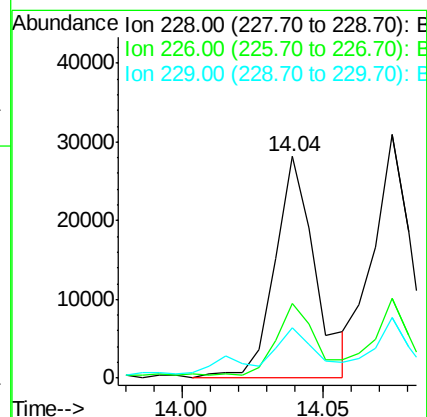
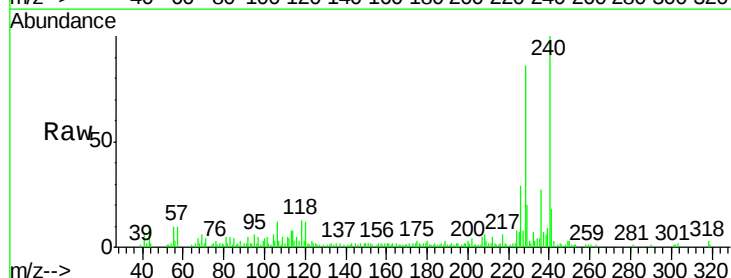
Tgt Ion:228 Resp: 28013

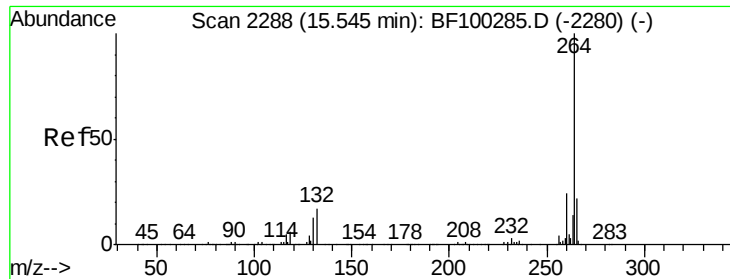
Ion Ratio Lower Upper

228 100

226 33.6 25.0 37.6

229 22.7 16.2 24.4

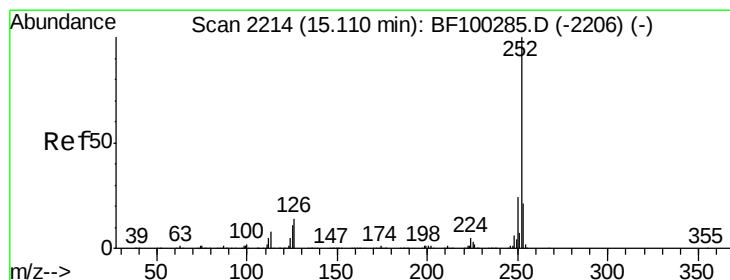
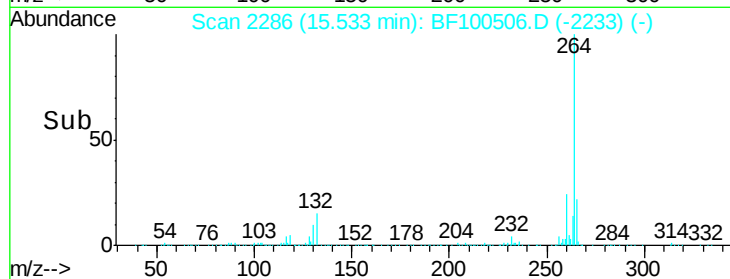
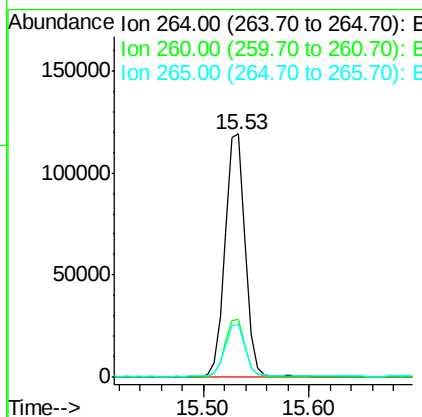
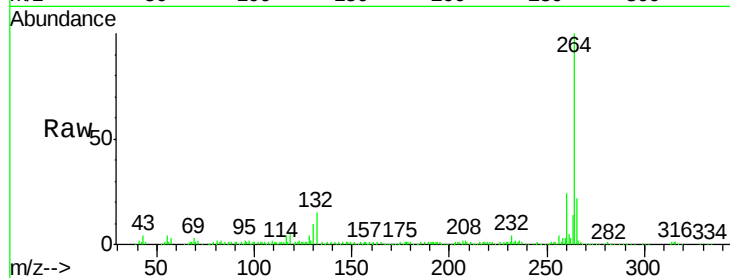




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.53 min Scan# 2286
Delta R.T. 0.01 min
Lab File: BF100506.D
Acq: 13 Nov 2017 16:50

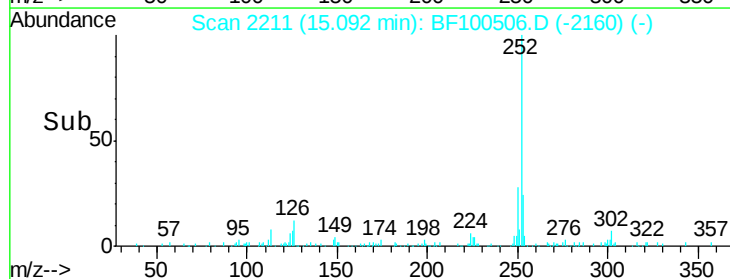
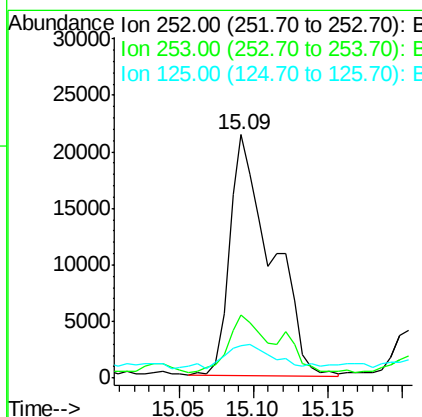
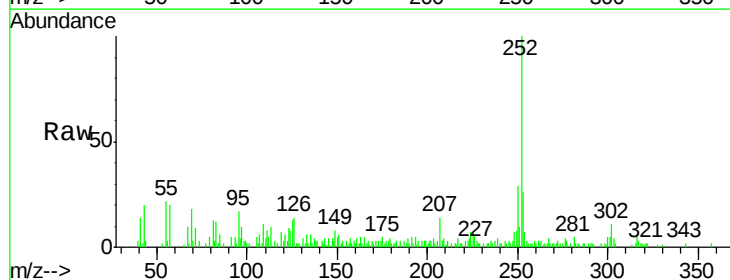
Instrument :
BNA_F
ClientSampleId :
JC-02-110917-F

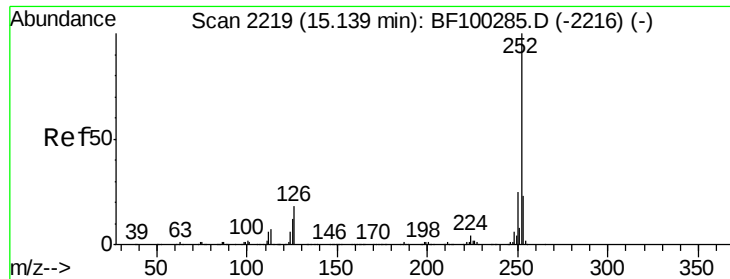
Tgt Ion:264 Resp: 158041
Ion Ratio Lower Upper
264 100
260 23.8 19.2 28.8
265 22.0 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 4.40 ng
RT: 15.09 min Scan# 2211
Delta R.T. 0.00 min
Lab File: BF100506.D
Acq: 13 Nov 2017 16:50

Tgt Ion:252 Resp: 41175
Ion Ratio Lower Upper
252 100
253 25.8 17.0 25.6#
125 13.1 9.0 13.6

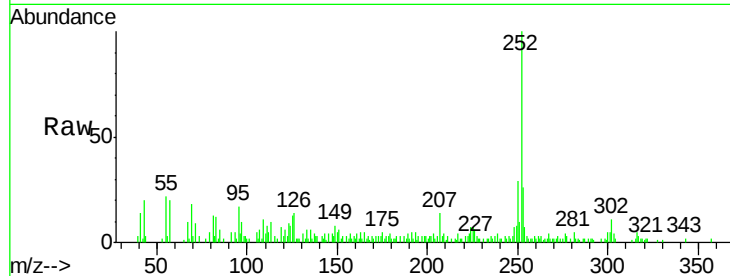




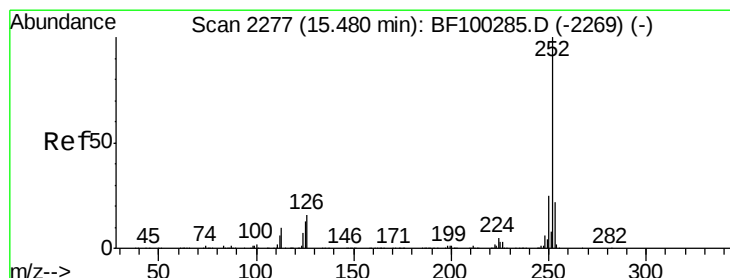
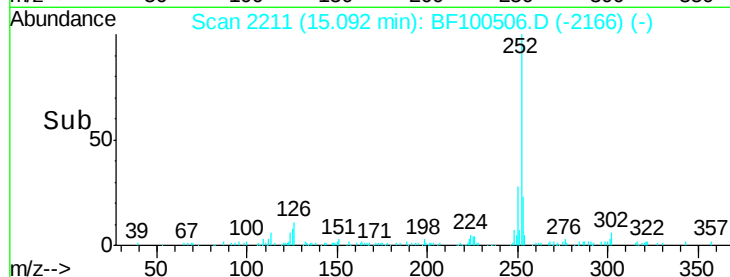
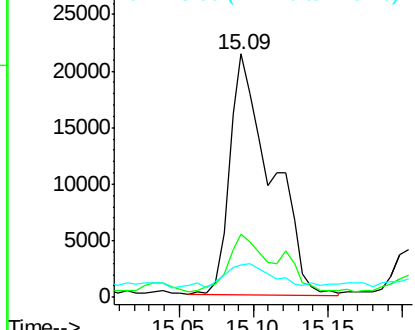
#88
Benzo(k)fluoranthene
Concen: 4.65 ng
RT: 15.09 min Scan# 2211
Delta R.T. -0.04 min
Lab File: BF100506.D
Acq: 13 Nov 2017 16:50

Instrument :
BNA_F
ClientSampleId :
JC-02-110917-F

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.8	17.9	26.9
125	13.1	10.2	15.2

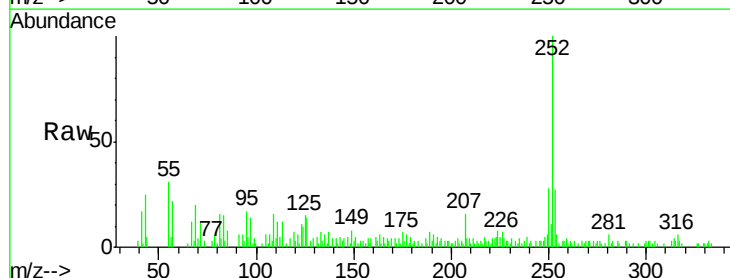


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#89
Benzo(a)pyrene
Concen: 2.40 ng
RT: 15.46 min Scan# 2274
Delta R.T. 0.00 min
Lab File: BF100506.D
Acq: 13 Nov 2017 16:50

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.8	17.1	25.7#
125	14.7	9.8	14.6#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

