

Data File : BF100512.D
Acq On : 13 Nov 2017 19:34
Operator : SJ/JU
Sample : I6301-09 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

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

Quant Time: Nov 14 00:52:10 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	73965	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	267212	20.00	ng	0.00
38) Acenaphthene-d10	9.93	164	109454	20.00	ng	0.00
63) Phenanthrene-d10	11.42	188	171645	20.00	ng	0.00
75) Chrysene-d12	14.05	240	158232	20.00	ng	0.00
86) Perylene-d12	15.53	264	115617	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	110562	23.96	ng	0.00
7) Phenol-d6	6.50	99	129501	22.76	ng	-0.01
23) Nitrobenzene-d5	7.45	82	73194	18.11	ng	-0.01
41) 2,4,6-Tribromophenol	10.72	330	25389	22.76	ng	0.00
44) 2-Fluorobiphenyl	9.25	172	141281	19.65	ng	0.00
78) Terphenyl-d14	12.99	244	99416	14.44	ng	0.00

Target Compounds						Qvalue
26) 2-Nitrophenol	7.79	139	261	5.50	ng	# 1
32) Benzoic acid	8.09	122	133	9.41	ng	# 1
35) Caprolactam	8.59	113	2815	2.26	ng	# 1
47) 2-Nitroaniline	9.48	65	397	2.97	ng	# 1
49) Dimethylphthalate	9.64	163	27555	3.30	ng	# 95
62) Azobenzene	10.63	77	16382	2.08	ng	# 1
70) Phenanthrene	11.44	178	37885	4.19	ng	95
74) Fluoranthene	12.63	202	73207	7.64	ng	95
77) Pyrene	12.86	202	66593	5.90	ng	98
80) Benzo(a)anthracene	14.04	228	32737	3.44	ng	95
82) Chrysene	14.08	228	30985	3.36	ng	95
87) Benzo(b)fluoranthene	15.10	252	41808	6.10	ng	# 83
88) Benzo(k)fluoranthene	15.10	252	41808	6.46	ng	# 86
89) Benzo(a)pyrene	15.47	252	19788	3.26	ng	# 95
91) Benzo(g,h,i)perylene	17.47	276	11404	2.35	ng	# 88

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

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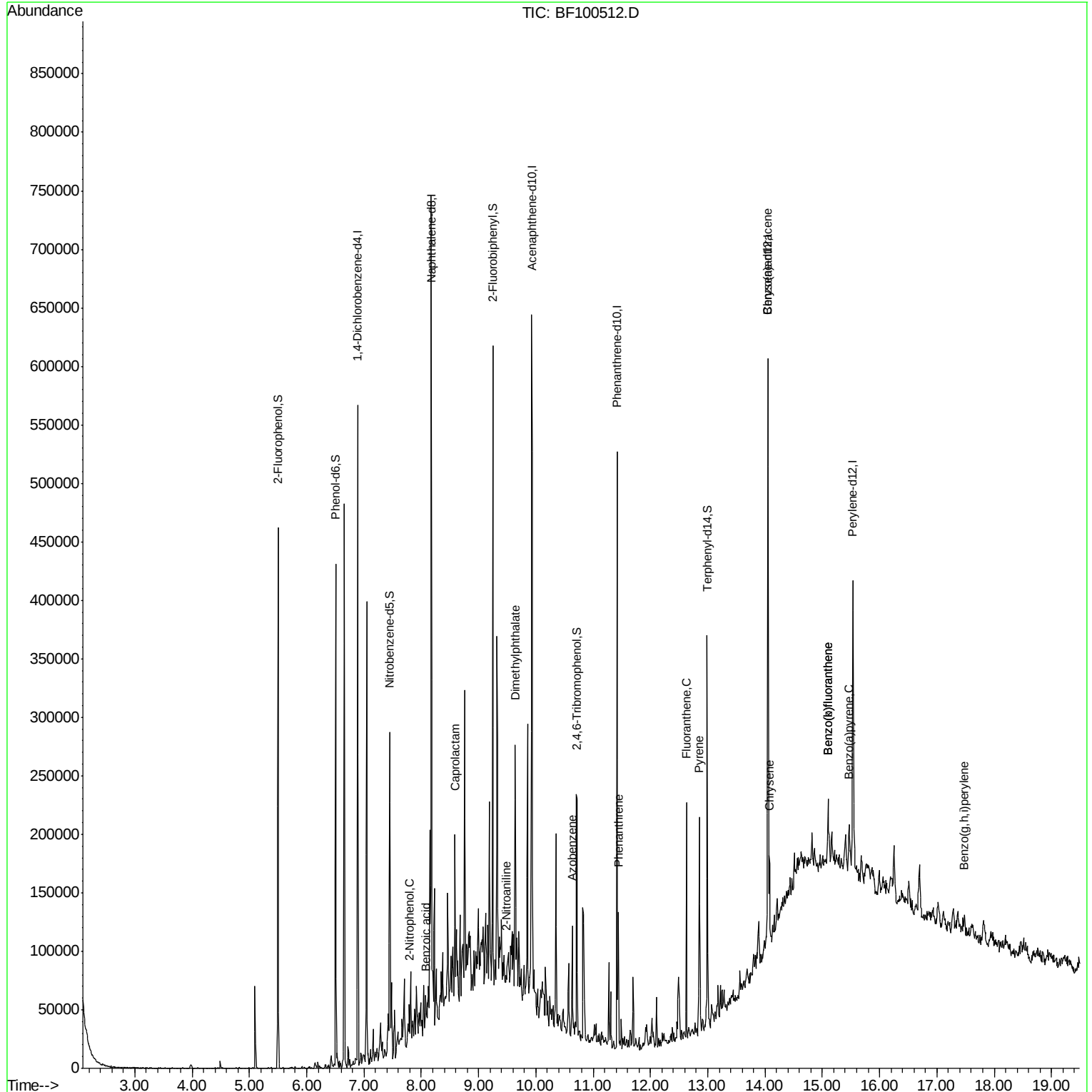
Quant Time: Nov 14 00:52:10 2017

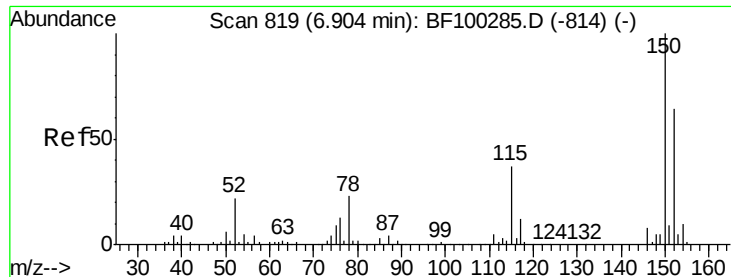
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Mon Nov 13 14:08:38 2017

Response via : Initial Calibration

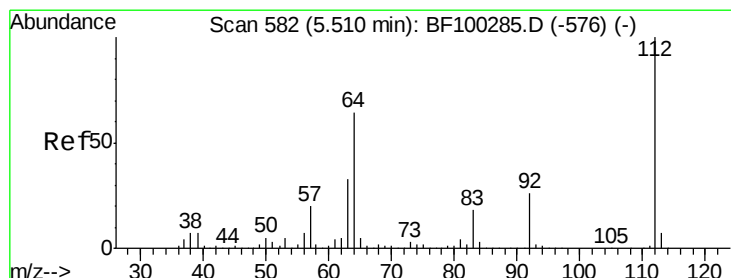
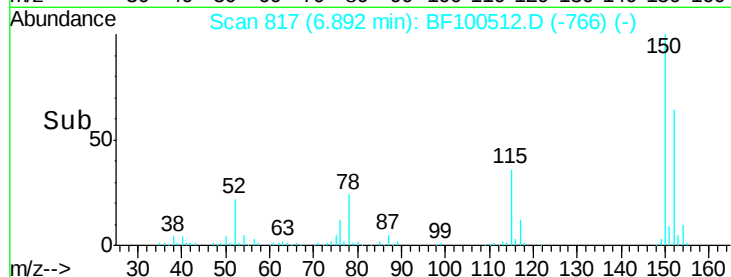
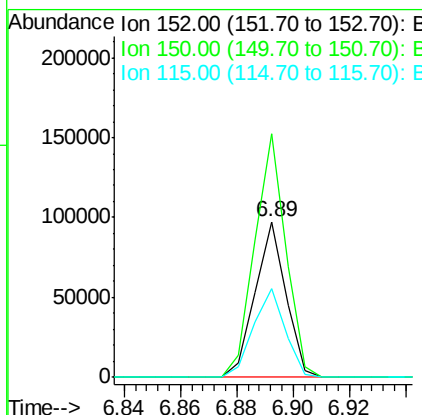
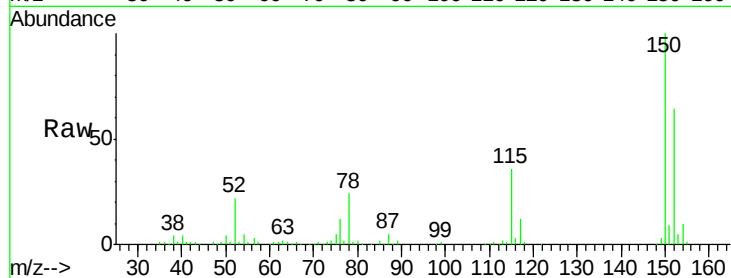




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.89 min Scan# 817
 Delta R.T. 0.00 min
 Lab File: BF100512.D
 Acq: 13 Nov 2017 19:34

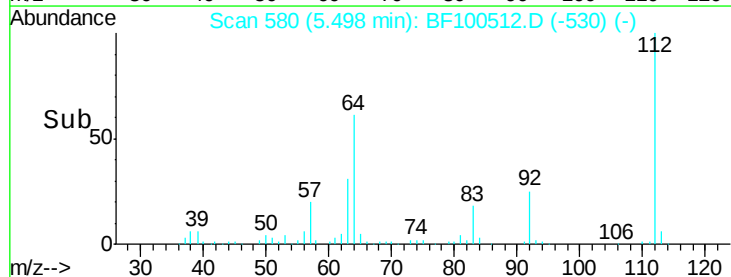
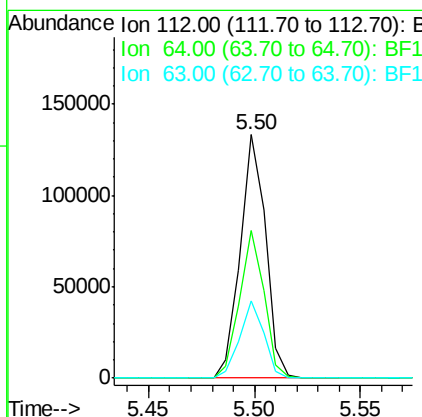
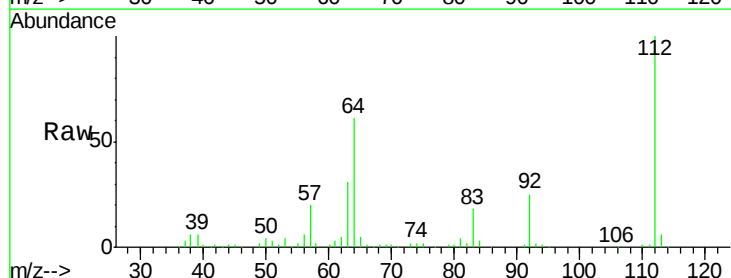
Instrument :
 BNA_F
 ClientSampleId :
 JC-02-110917-H

Tgt Ion:152 Resp: 73965
 Ion Ratio Lower Upper
 152 100
 150 156.7 124.6 186.8
 115 56.9 50.1 75.1



#5
 2-Fluorophenol
 Concen: 23.96 ng
 RT: 5.50 min Scan# 580
 Delta R.T. -0.01 min
 Lab File: BF100512.D
 Acq: 13 Nov 2017 19:34

Tgt Ion:112 Resp: 110562
 Ion Ratio Lower Upper
 112 100
 64 60.9 47.9 71.9
 63 31.5 23.7 35.5





#7

Phenol-d6

Concen: 22.76 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF100512.D

Acq: 13 Nov 2017 19:34

Instrument :

BNA_F

ClientSampleId :

JC-02-110917-H

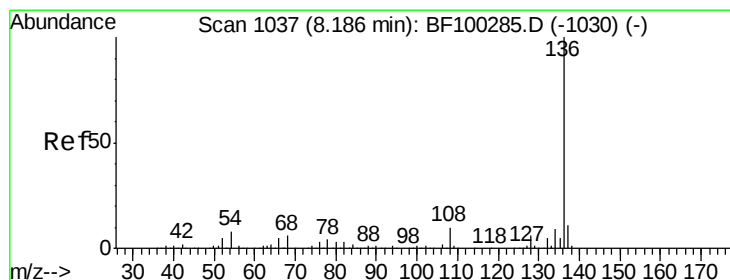
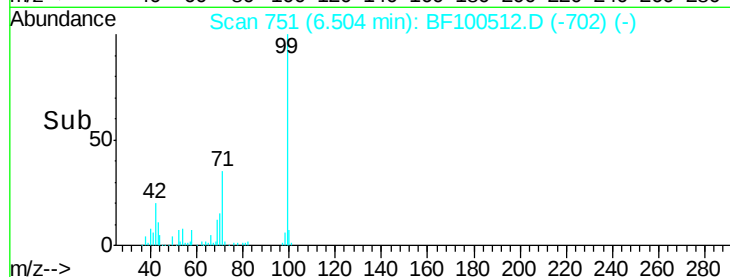
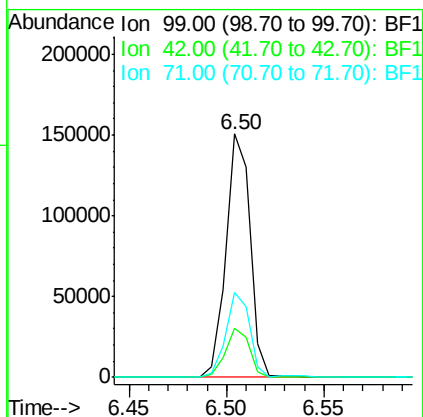
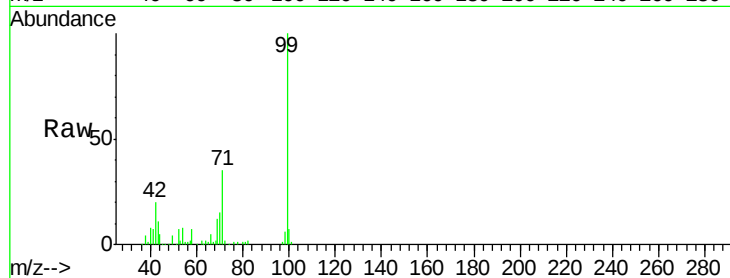
Tgt Ion: 99 Resp: 129501

Ion Ratio Lower Upper

99 100

42 20.1 14.5 21.7

71 35.0 25.4 38.0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.17 min Scan# 1035

Delta R.T. 0.00 min

Lab File: BF100512.D

Acq: 13 Nov 2017 19:34

Tgt Ion: 136 Resp: 267212

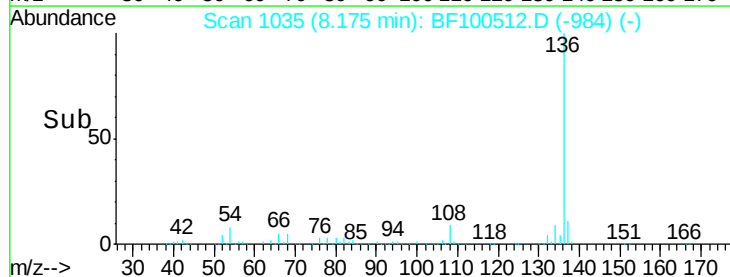
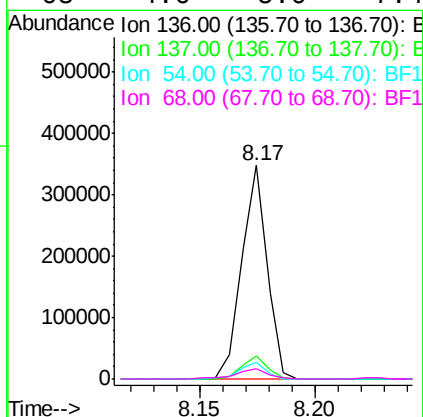
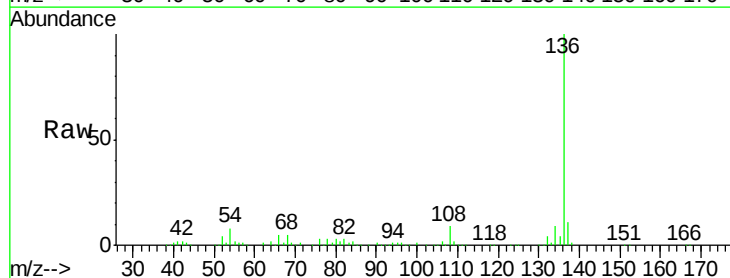
Ion Ratio Lower Upper

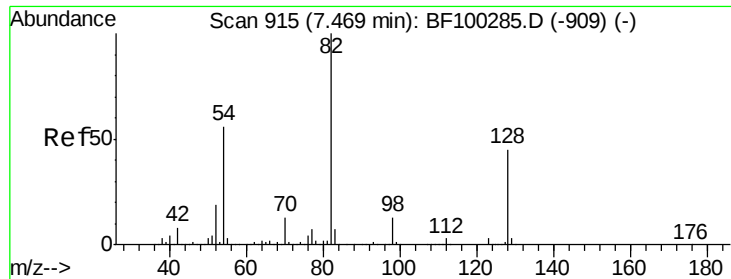
136 100

137 11.0 8.9 13.3

54 7.7 6.6 9.8

68 4.6 5.0 7.4#

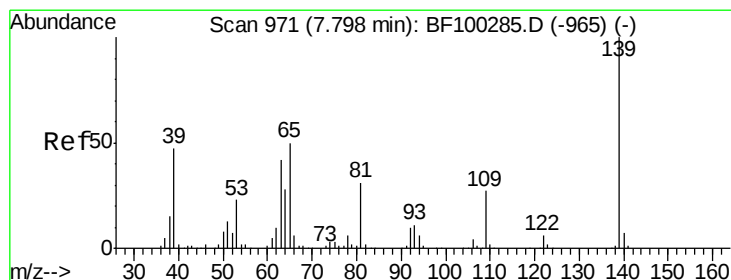
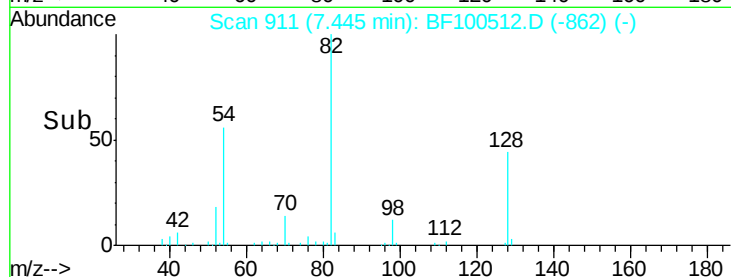
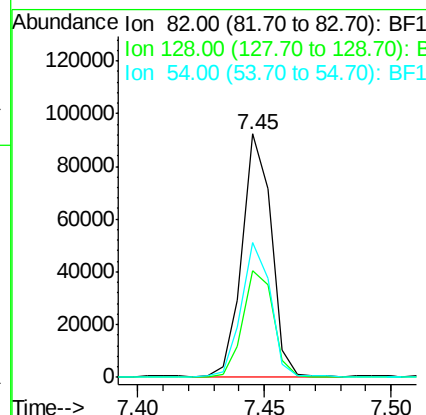
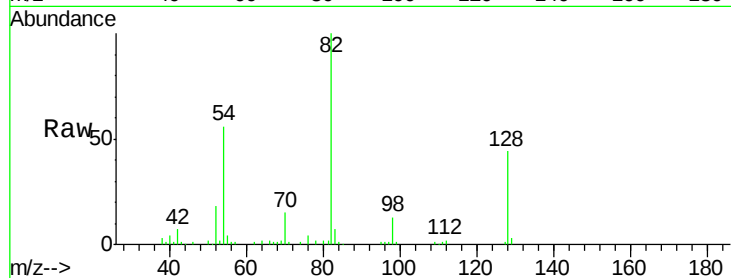




#23
Nitrobenzene-d5
Concen: 18.11 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.01 min
Lab File: BF100512.D
Acq: 13 Nov 2017 19:34

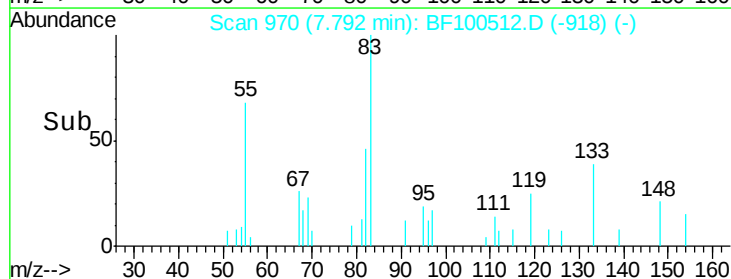
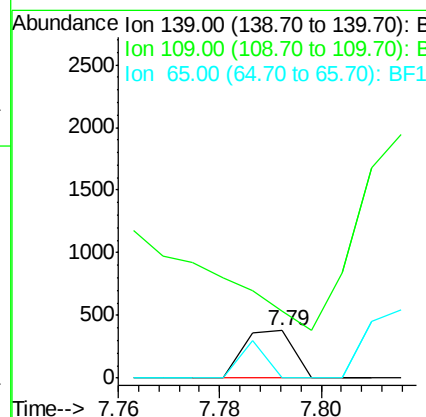
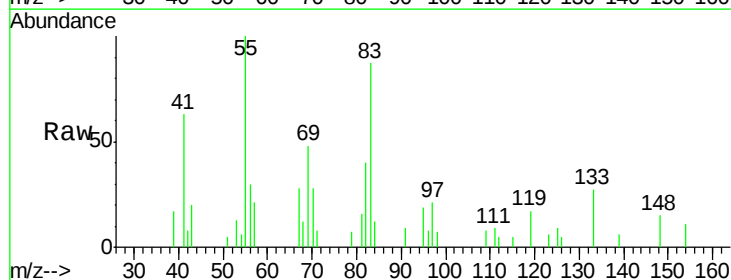
Instrument :
BNA_F
ClientSampleId :
JC-02-110917-H

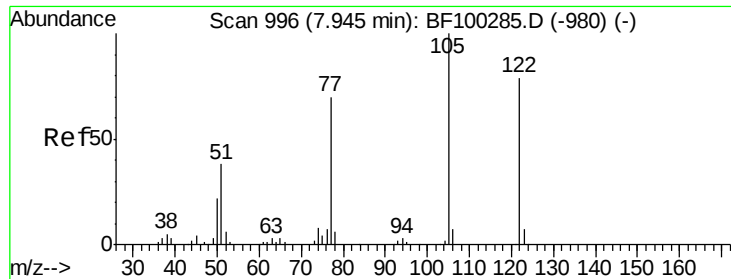
Tgt Ion	Ratio	Lower	Upper
82	100		
128	43.8	36.1	54.1
54	55.5	41.4	62.2



#26
2-Nitrophenol
Concen: 5.50 ng
RT: 7.79 min Scan# 970
Delta R.T. 0.01 min
Lab File: BF100512.D
Acq: 13 Nov 2017 19:34

Tgt Ion	Ratio	Lower	Upper
139	100		
109	140.0	22.7	34.1#
65	0.0	40.5	60.7#

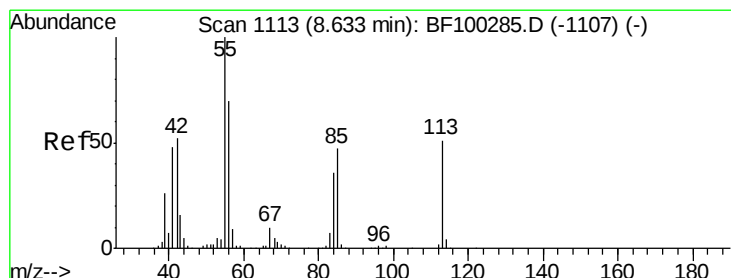
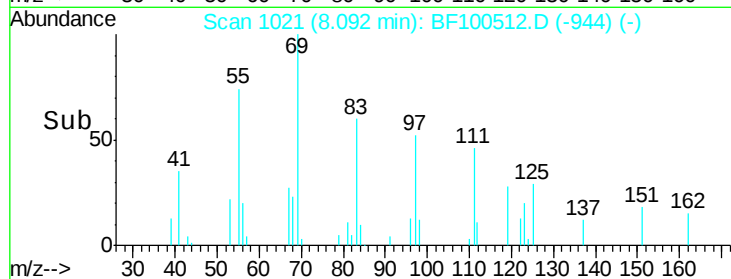
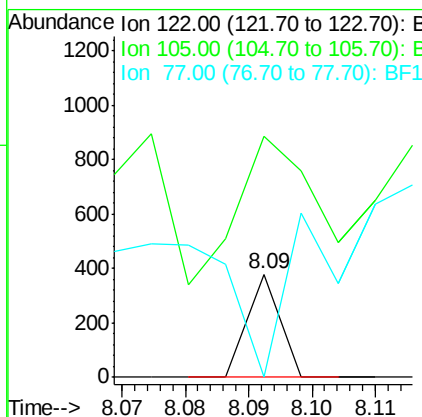
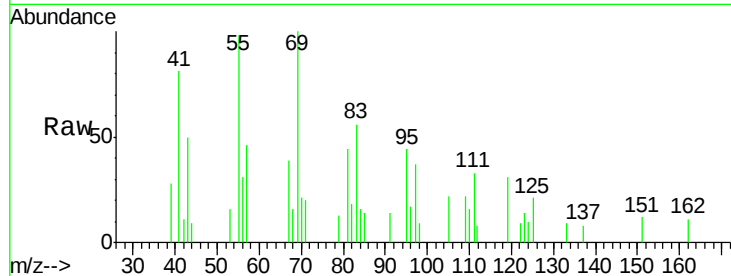




#32
Benzoic acid
Concen: 9.41 ng
RT: 8.09 min Scan# 1021
Delta R.T. 0.15 min
Lab File: BF100512.D
Acq: 13 Nov 2017 19:34

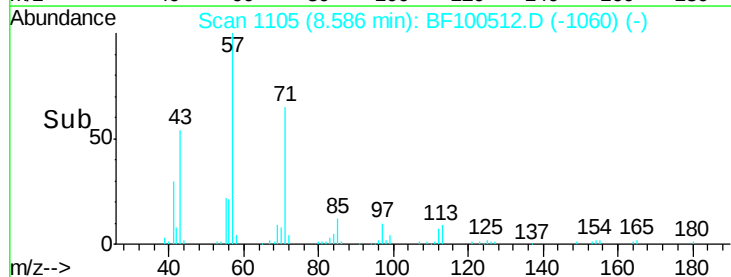
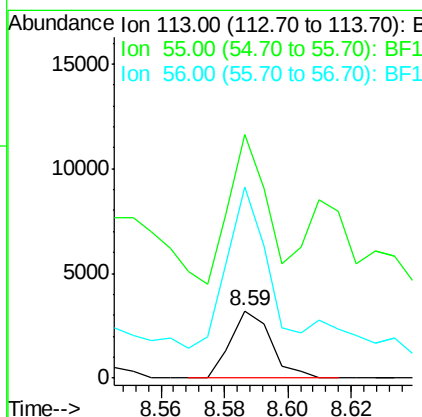
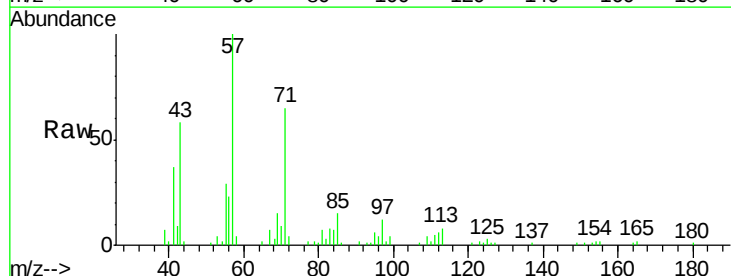
Instrument :
BNA_F
ClientSampleId :
JC-02-110917-H

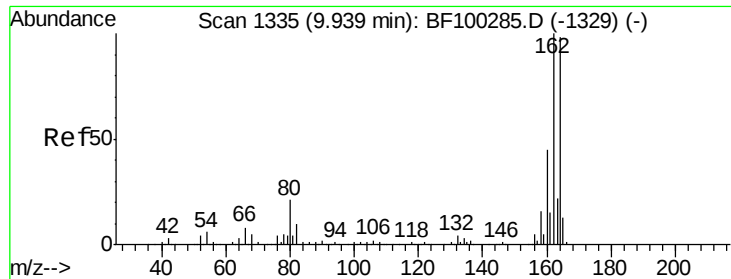
Tgt Ion:122 Resp: 133
Ion Ratio Lower Upper
122 100
105 234.4 101.1 141.1#
77 0.0 70.7 110.7#



#35
Caprolactam
Concen: 2.26 ng
RT: 8.59 min Scan# 1105
Delta R.T. -0.04 min
Lab File: BF100512.D
Acq: 13 Nov 2017 19:34

Tgt Ion:113 Resp: 2815
Ion Ratio Lower Upper
113 100
55 361.0 163.3 203.3#
56 283.0 115.7 155.7#

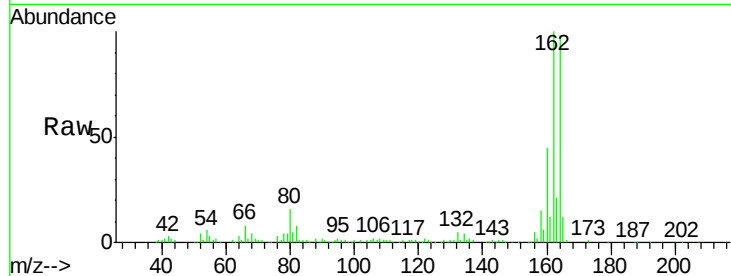




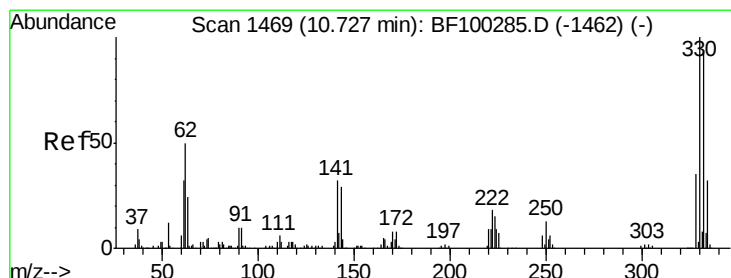
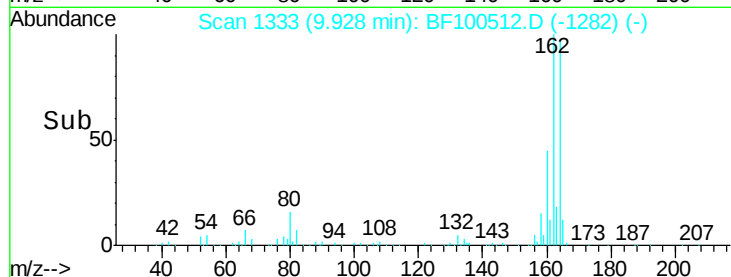
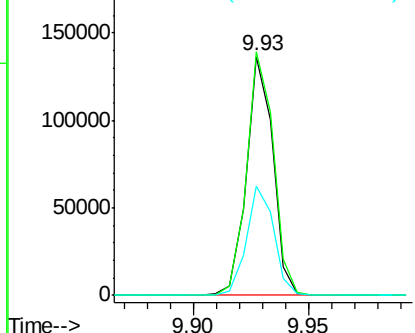
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.93 min Scan# 1333
 Delta R.T. 0.00 min
 Lab File: BF100512.D
 Acq: 13 Nov 2017 19:34

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

Tgt Ion:164 Resp: 109454
 Ion Ratio Lower Upper
 164 100
 162 102.1 86.1 129.1
 160 45.6 38.3 57.5

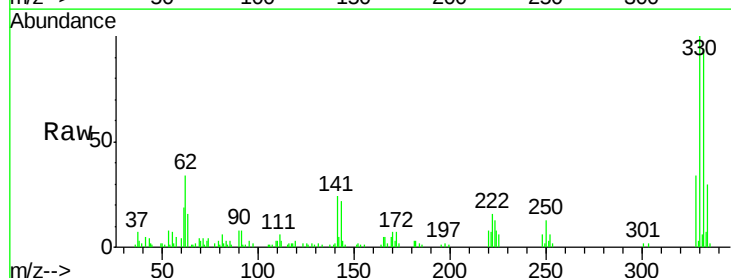


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

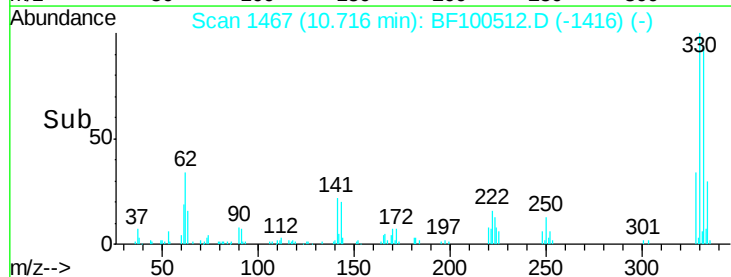
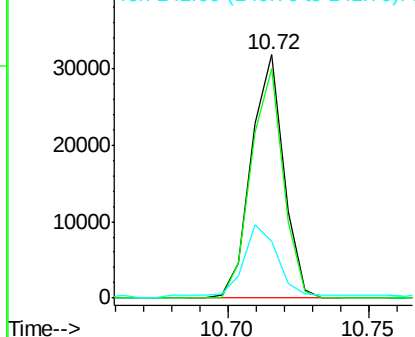


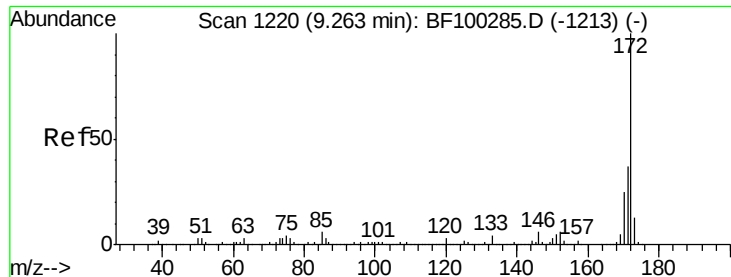
#41
 2,4,6-Tribromophenol
 Concen: 22.76 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: BF100512.D
 Acq: 13 Nov 2017 19:34

Tgt Ion:330 Resp: 25389
 Ion Ratio Lower Upper
 330 100
 332 93.1 77.0 115.6
 141 34.0 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

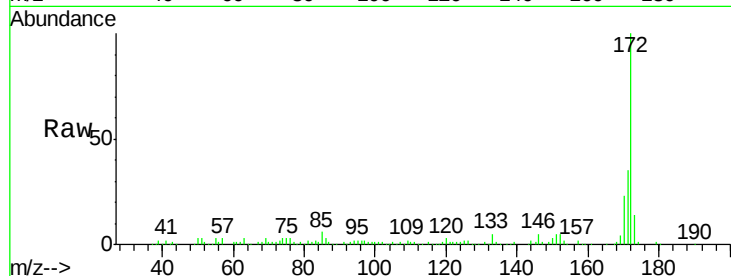




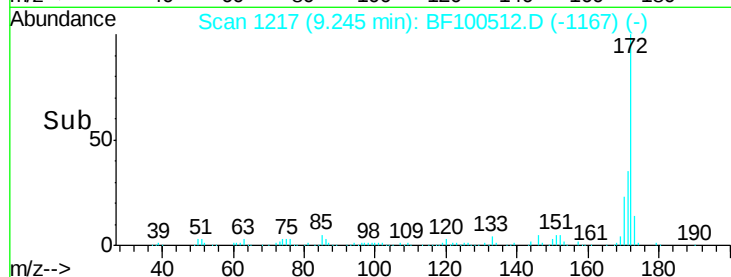
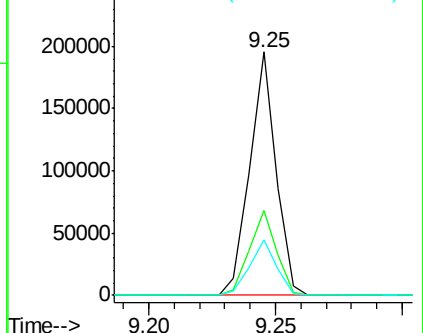
#44
2-Fluorobiphenyl
Concen: 19.65 ng
RT: 9.25 min Scan# 1217
Delta R.T. -0.01 min
Lab File: BF100512.D
Acq: 13 Nov 2017 19:34

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

Tgt Ion: 172 Resp: 141281
Ion Ratio Lower Upper
172 100
171 35.1 29.7 44.5
170 22.8 19.6 29.4

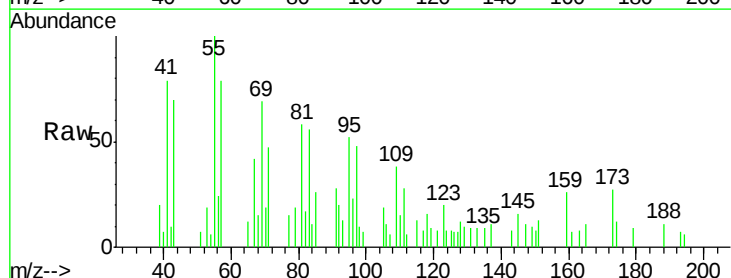


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

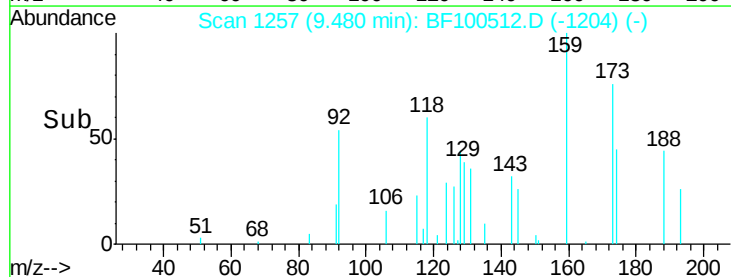
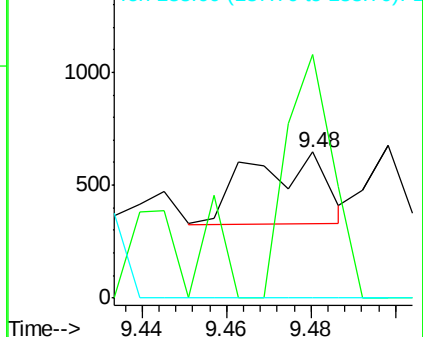


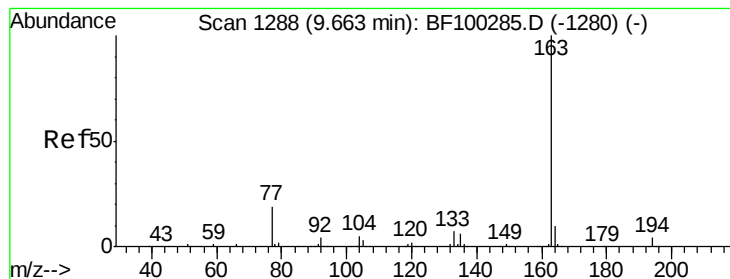
#47
2-Nitroaniline
Concen: 2.97 ng
RT: 9.48 min Scan# 1257
Delta R.T. 0.01 min
Lab File: BF100512.D
Acq: 13 Nov 2017 19:34

Tgt Ion: 65 Resp: 397
Ion Ratio Lower Upper
65 100
92 166.6 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): E





#49

Dimethylphthalate

Concen: 3.30 ng

RT: 9.64 min Scan# 1284

Delta R.T. -0.01 min

Lab File: BF100512.D

Acq: 13 Nov 2017 19:34

Instrument :

BNA_F

ClientSampleId :

JC-02-110917-H

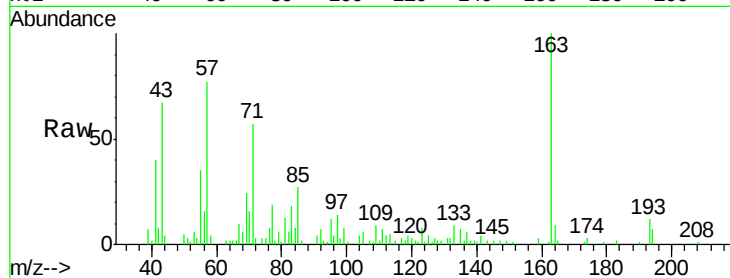
Tgt Ion: 163 Resp: 27555

Ion Ratio Lower Upper

163 100

194 6.8 2.7 4.1#

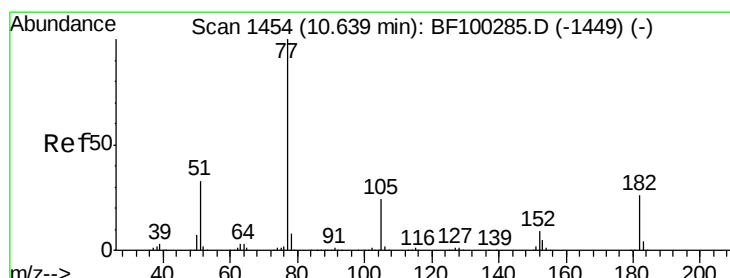
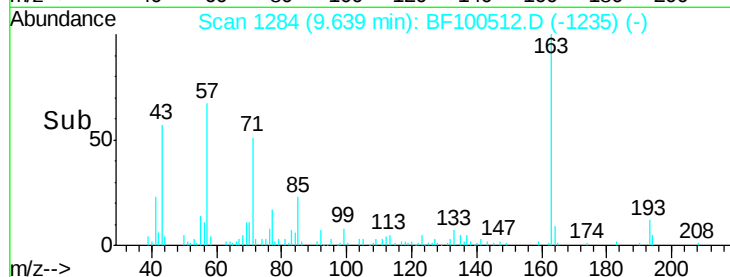
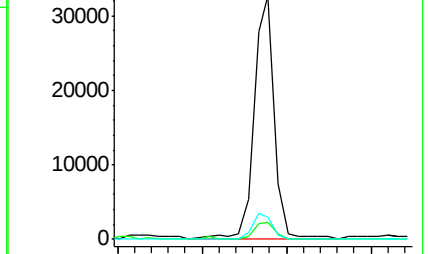
164 9.2 8.2 12.2



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



#62

Azobenzene

Concen: 2.08 ng

RT: 10.63 min Scan# 1453

Delta R.T. 0.01 min

Lab File: BF100512.D

Acq: 13 Nov 2017 19:34

Tgt Ion: 77 Resp: 16382

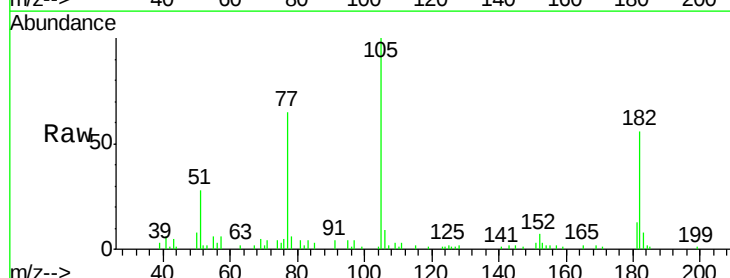
Ion Ratio Lower Upper

77 100

182 87.2 1.7 41.7#

105 154.5 3.0 43.0#

51 43.9 9.9 49.9

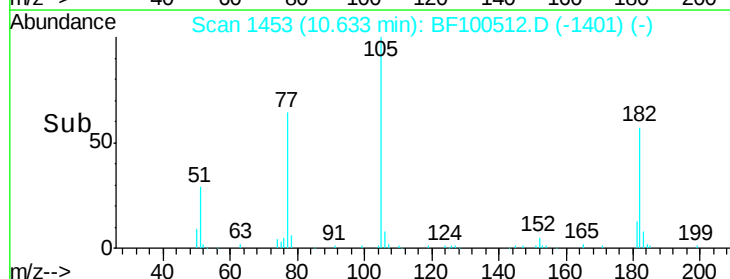
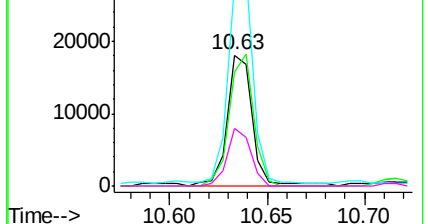


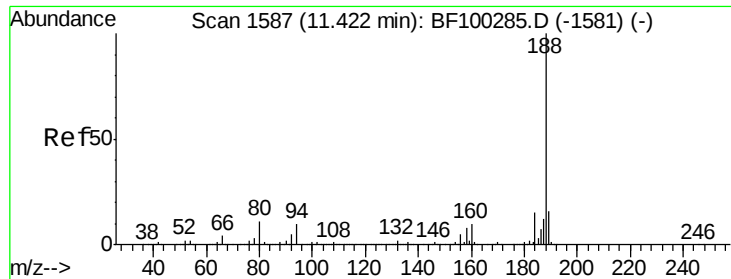
Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF1

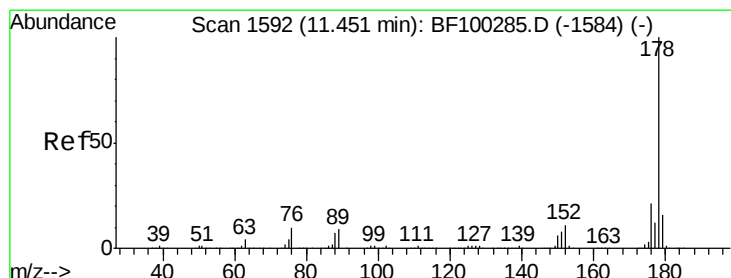
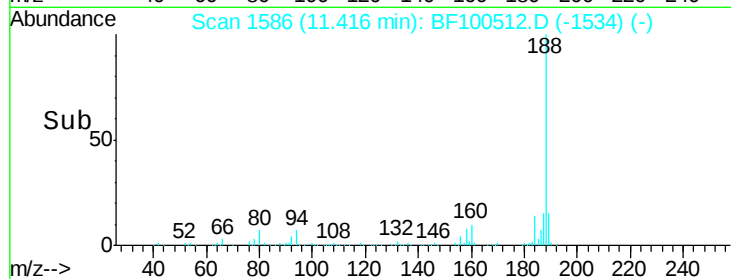
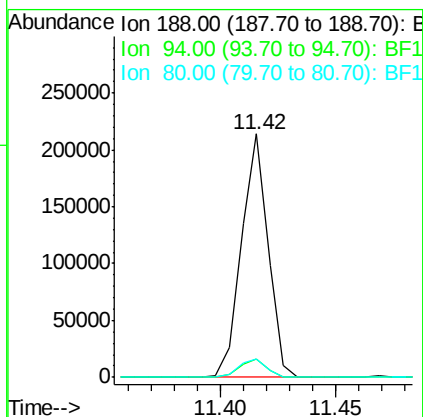
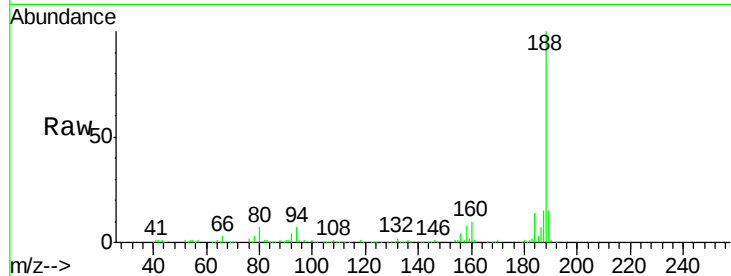




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.42 min Scan# 1586
Delta R.T. 0.01 min
Lab File: BF100512.D
Acq: 13 Nov 2017 19:34

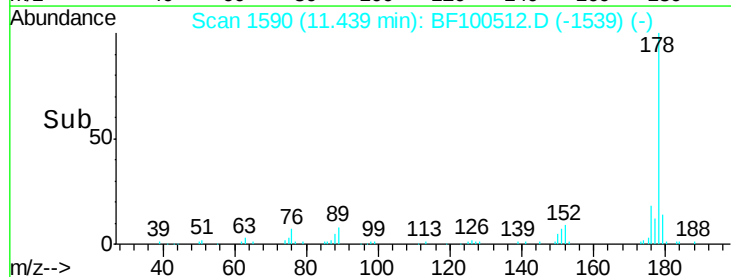
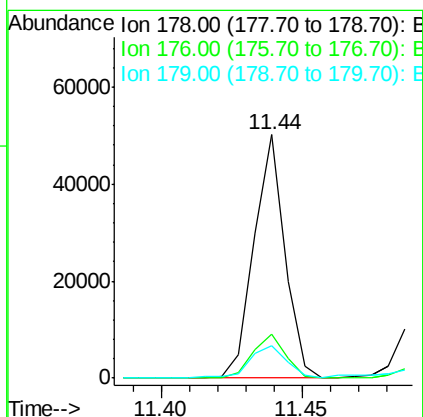
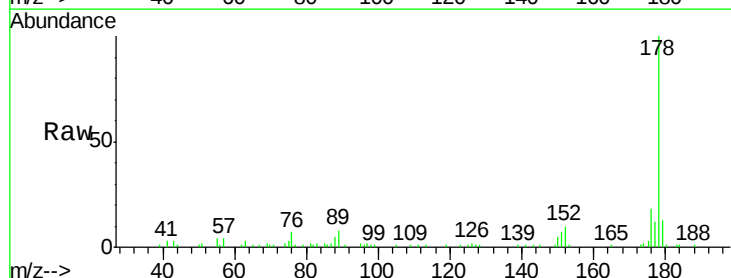
Instrument :
BNA_F
ClientSampleId :
JC-02-110917-H

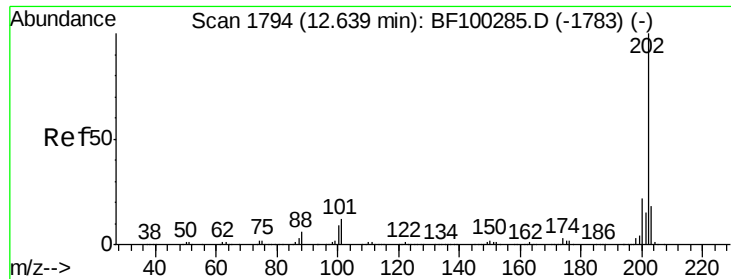
Tgt Ion:188 Resp: 171645
Ion Ratio Lower Upper
188 100
94 7.4 8.5 12.7#
80 7.4 9.2 13.8#



#70
Phenanthrene
Concen: 4.19 ng
RT: 11.44 min Scan# 1590
Delta R.T. 0.00 min
Lab File: BF100512.D
Acq: 13 Nov 2017 19:34

Tgt Ion:178 Resp: 37885
Ion Ratio Lower Upper
178 100
176 17.9 15.8 23.8
179 13.4 13.0 19.6





#74

Fluoranthene

Concen: 7.64 ng

RT: 12.63 min Scan# 1792

Delta R.T. 0.00 min

Lab File: BF100512.D

Acq: 13 Nov 2017 19:34

Instrument :

BNA_F

ClientSampleId :

JC-02-110917-H

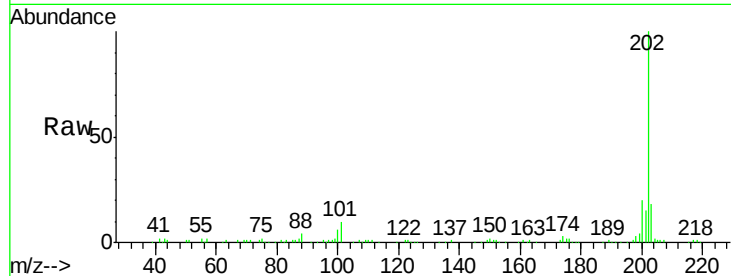
Tgt Ion: 202 Resp: 73207

Ion Ratio Lower Upper

202 100

101 9.6 0.0 34.1

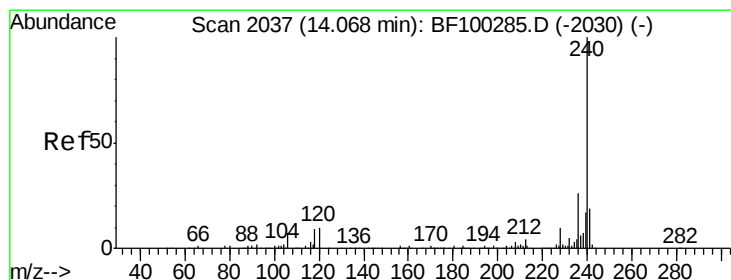
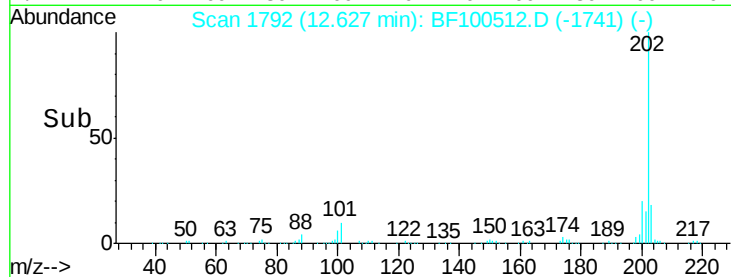
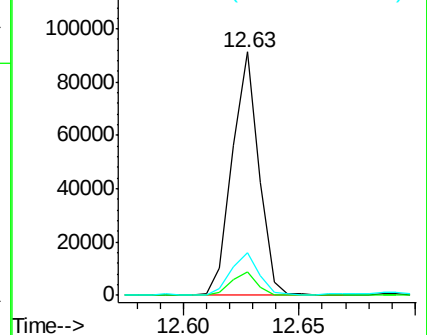
203 17.7 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.05 min Scan# 2034

Delta R.T. 0.00 min

Lab File: BF100512.D

Acq: 13 Nov 2017 19:34

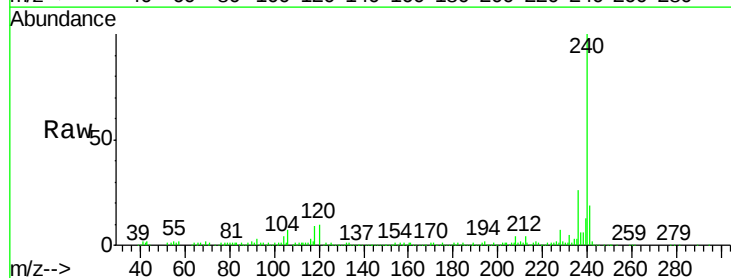
Tgt Ion: 240 Resp: 158232

Ion Ratio Lower Upper

240 100

120 10.4 9.5 14.3

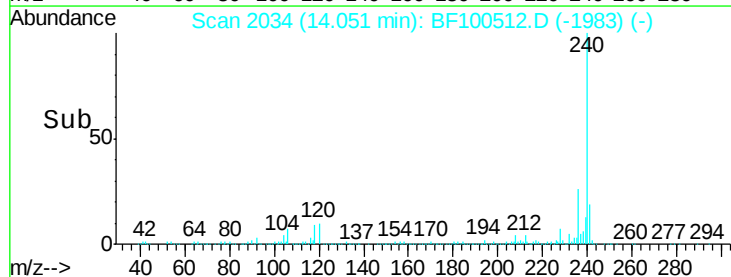
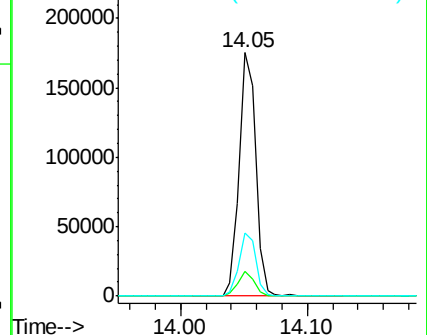
236 25.9 20.7 31.1

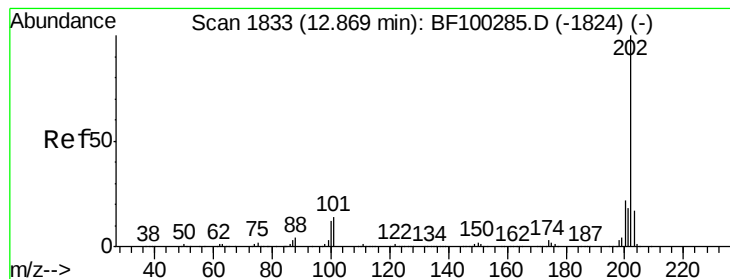


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 5.90 ng

RT: 12.86 min Scan# 1831

Delta R.T. 0.00 min

Lab File: BF100512.D

Acq: 13 Nov 2017 19:34

Instrument :

BNA_F

ClientSampleId :

JC-02-110917-H

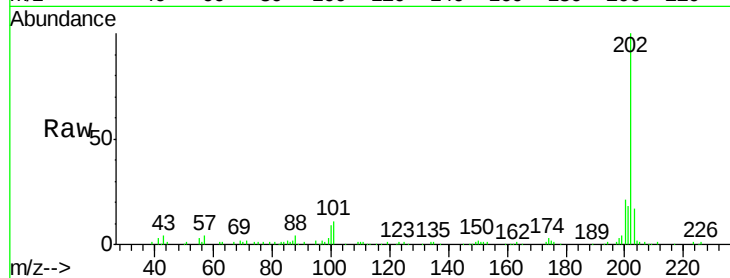
Tgt Ion:202 Resp: 66593

Ion Ratio Lower Upper

202 100

200 20.5 17.4 26.2

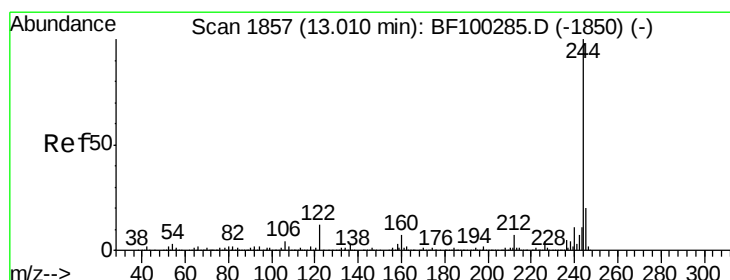
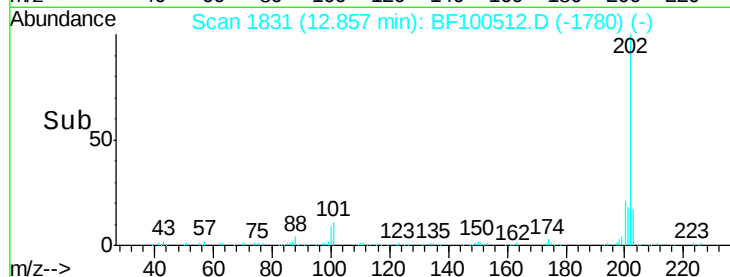
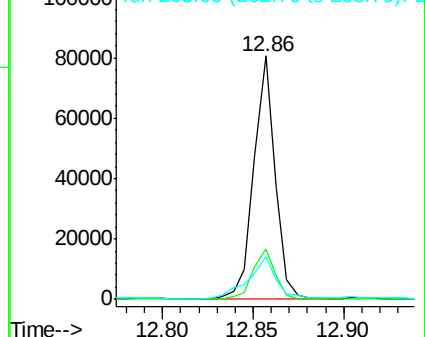
203 17.3 14.3 21.5



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: 14.44 ng

RT: 12.99 min Scan# 1854

Delta R.T. -0.01 min

Lab File: BF100512.D

Acq: 13 Nov 2017 19:34

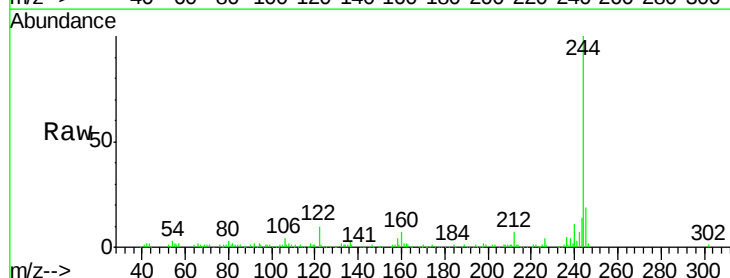
Tgt Ion:244 Resp: 99416

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

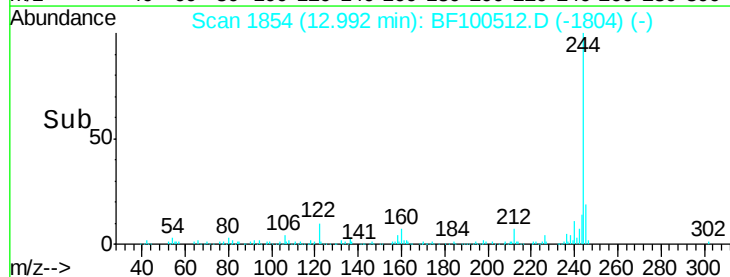
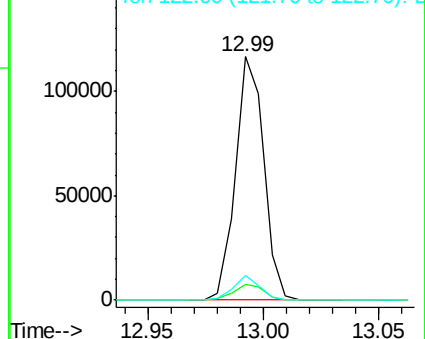
122 10.3 11.0 16.4#

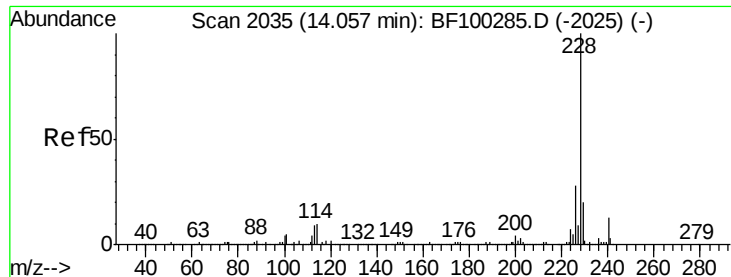


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

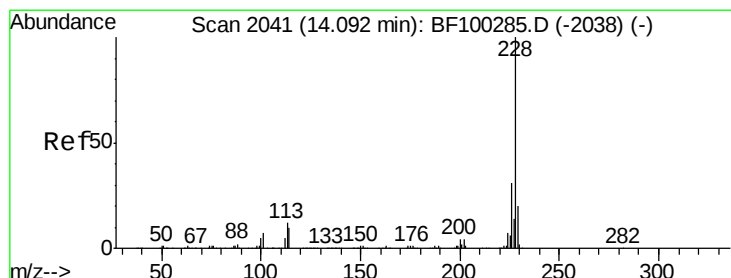
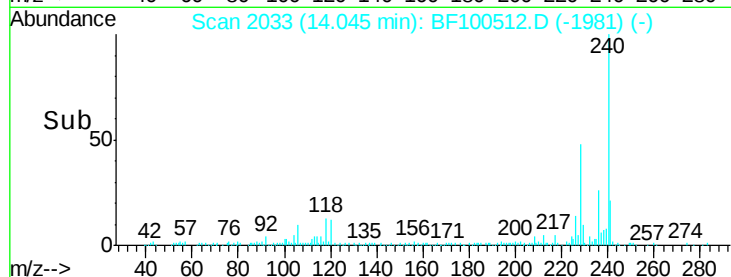
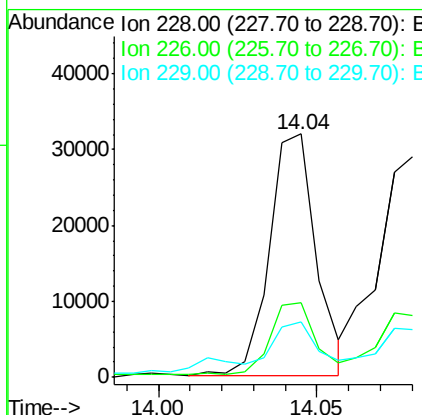
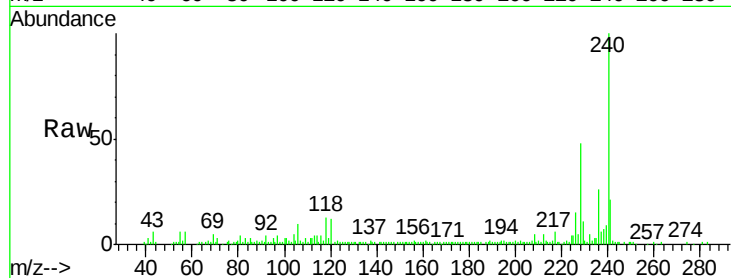




#80
Benzo(a)anthracene
Concen: 3.44 ng
RT: 14.04 min Scan# 2033
Delta R.T. 0.01 min
Lab File: BF100512.D
Acq: 13 Nov 2017 19:34

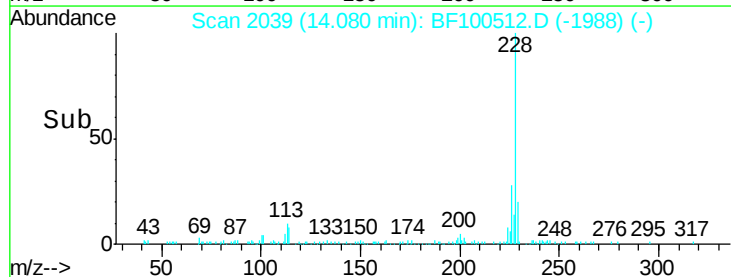
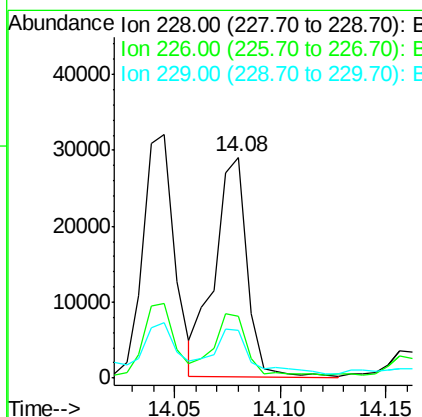
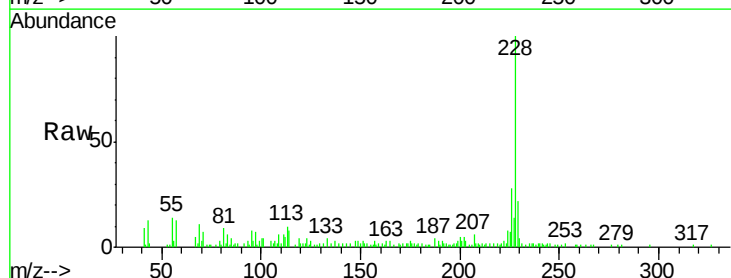
Instrument :
BNA_F
ClientSampleId :
JC-02-110917-H

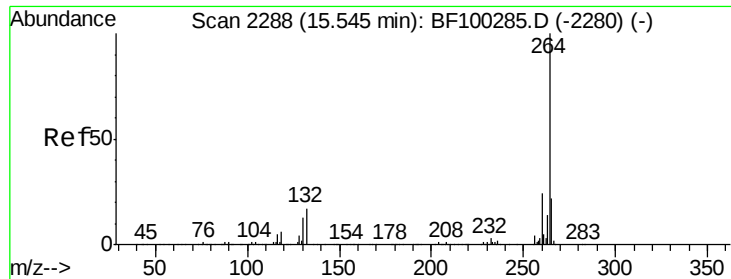
Tgt Ion:228 Resp: 32737
Ion Ratio Lower Upper
228 100
226 30.4 22.6 33.8
229 22.9 15.8 23.6



#82
Chrysene
Concen: 3.36 ng
RT: 14.08 min Scan# 2039
Delta R.T. 0.00 min
Lab File: BF100512.D
Acq: 13 Nov 2017 19:34

Tgt Ion:228 Resp: 30985
Ion Ratio Lower Upper
228 100
226 27.8 25.0 37.6
229 21.6 16.2 24.4



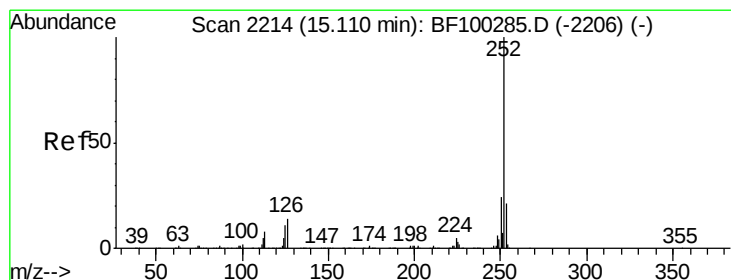
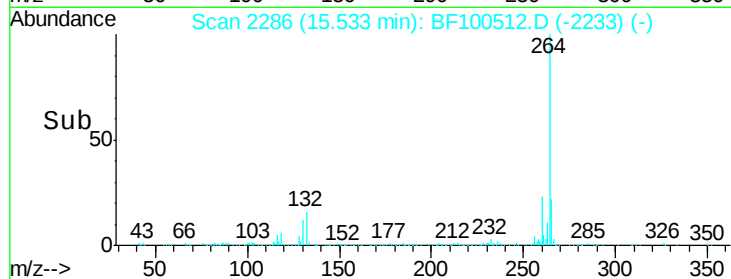
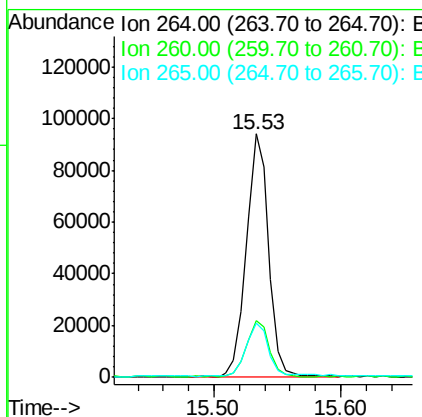
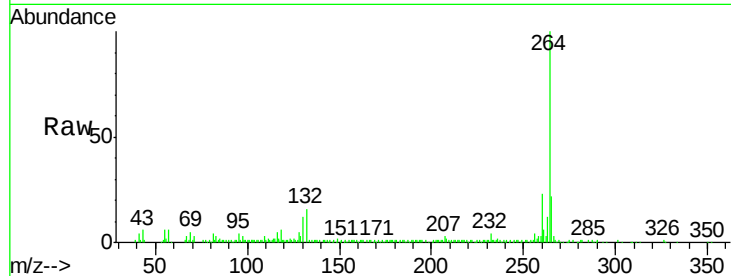


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.53 min Scan# 2286
Delta R.T. 0.01 min
Lab File: BF100512.D
Acq: 13 Nov 2017 19:34

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

Tgt Ion: 264 Resp: 115617

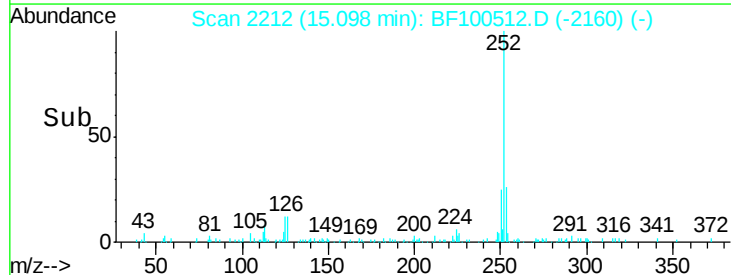
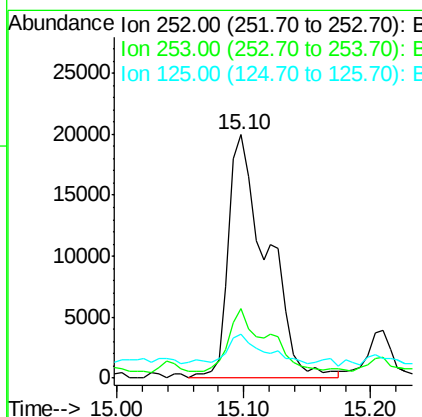
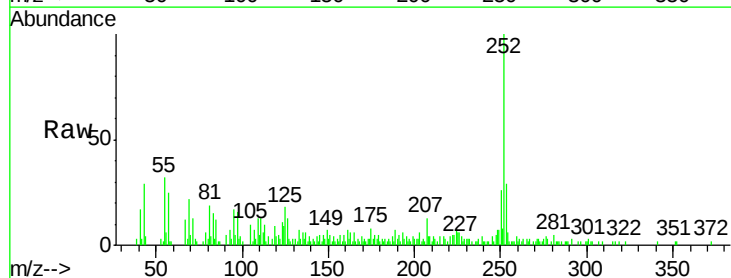
Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	22.3	17.5	26.3

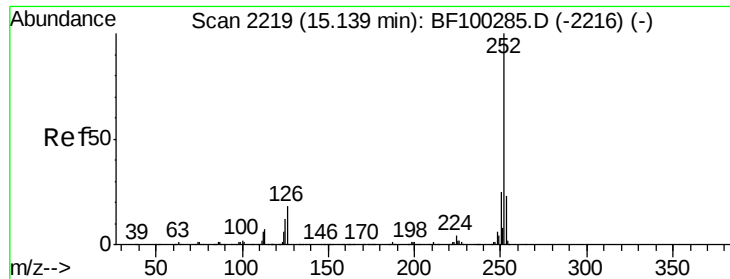


#87
Benzo(b)fluoranthene
Concen: 6.10 ng
RT: 15.10 min Scan# 2212
Delta R.T. 0.01 min
Lab File: BF100512.D
Acq: 13 Nov 2017 19:34

Tgt Ion: 252 Resp: 41808

Ion	Ratio	Lower	Upper
252	100		
253	28.8	17.0	25.6#
125	18.3	9.0	13.6#

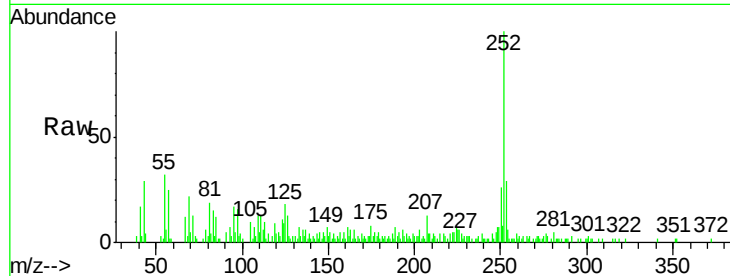




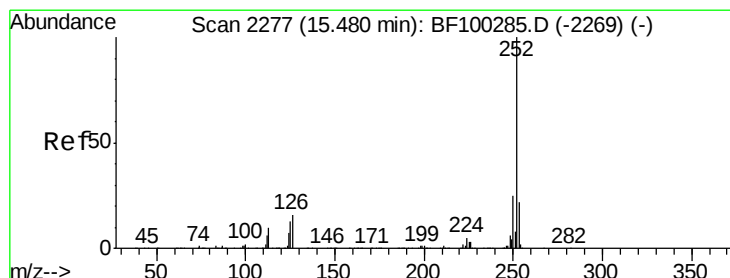
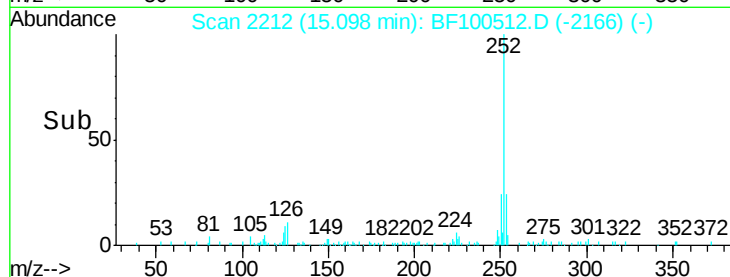
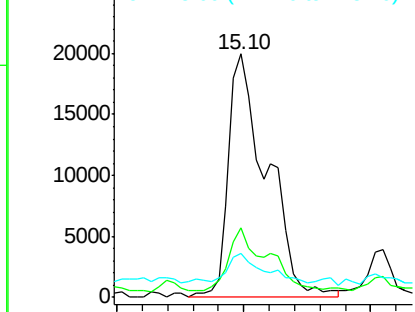
#88
Benzo(k)fluoranthene
Concen: 6.46 ng
RT: 15.10 min Scan# 2212
Delta R.T. -0.03 min
Lab File: BF100512.D
Acq: 13 Nov 2017 19:34

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

Tgt Ion:252 Resp: 41808
Ion Ratio Lower Upper
252 100
253 28.8 17.9 26.9#
125 18.3 10.2 15.2#

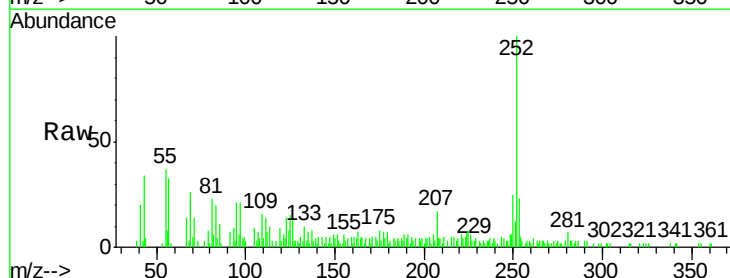


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

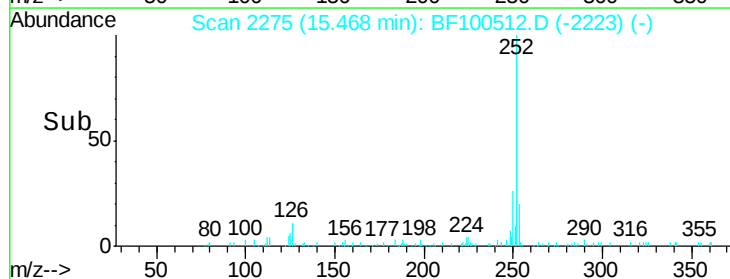
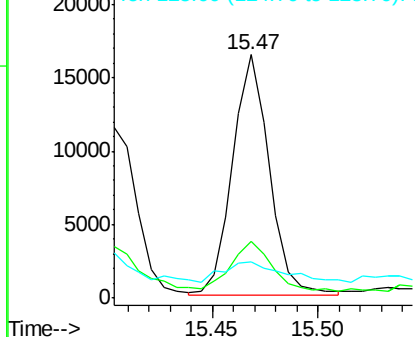


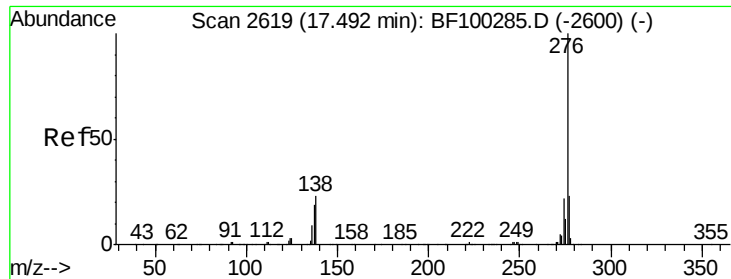
#89
Benzo(a)pyrene
Concen: 3.26 ng
RT: 15.47 min Scan# 2275
Delta R.T. 0.01 min
Lab File: BF100512.D
Acq: 13 Nov 2017 19:34

Tgt Ion:252 Resp: 19788
Ion Ratio Lower Upper
252 100
253 23.3 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





#91

Benzo(g,h,i)perylene

Concen: 2.35 ng

RT: 17.47 min Scan# 2616

Delta R.T. 0.01 min

Lab File: BF100512.D

Acq: 13 Nov 2017 19:34

Instrument :

BNA_F

ClientSampleId :

JC-02-110917-H

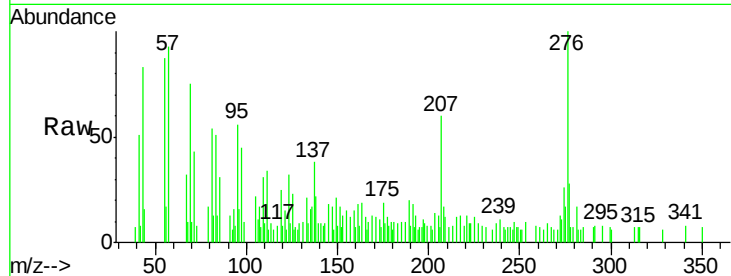
Tgt Ion: 276 Resp: 11404

Ion Ratio Lower Upper

276 100

277 28.3 17.9 26.9#

138 21.6 21.8 32.8#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

