

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF111417\
 Data File : BF100541.D
 Acq On : 14 Nov 2017 14:37
 Operator : SJ/JU
 Sample : I6301-09RE 5X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

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

Quant Time: Nov 14 15:39:11 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 14 14:17:16 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	125640	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	464262	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	181590	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	281346	20.00	ng	0.00
75) Chrysene-d12	14.04	240	280074	20.00	ng	0.00
86) Perylene-d12	15.52	264	231314	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.49	112	203593	25.98	ng	0.00
7) Phenol-d6	6.50	99	241176	24.95	ng	-0.01
23) Nitrobenzene-d5	7.44	82	138907	19.78	ng	-0.01
41) 2,4,6-Tribromophenol	10.70	330	36479	19.71	ng	0.00
44) 2-Fluorobiphenyl	9.24	172	231303	19.40	ng	0.00
78) Terphenyl-d14	12.99	244	156682	12.85	ng	0.00

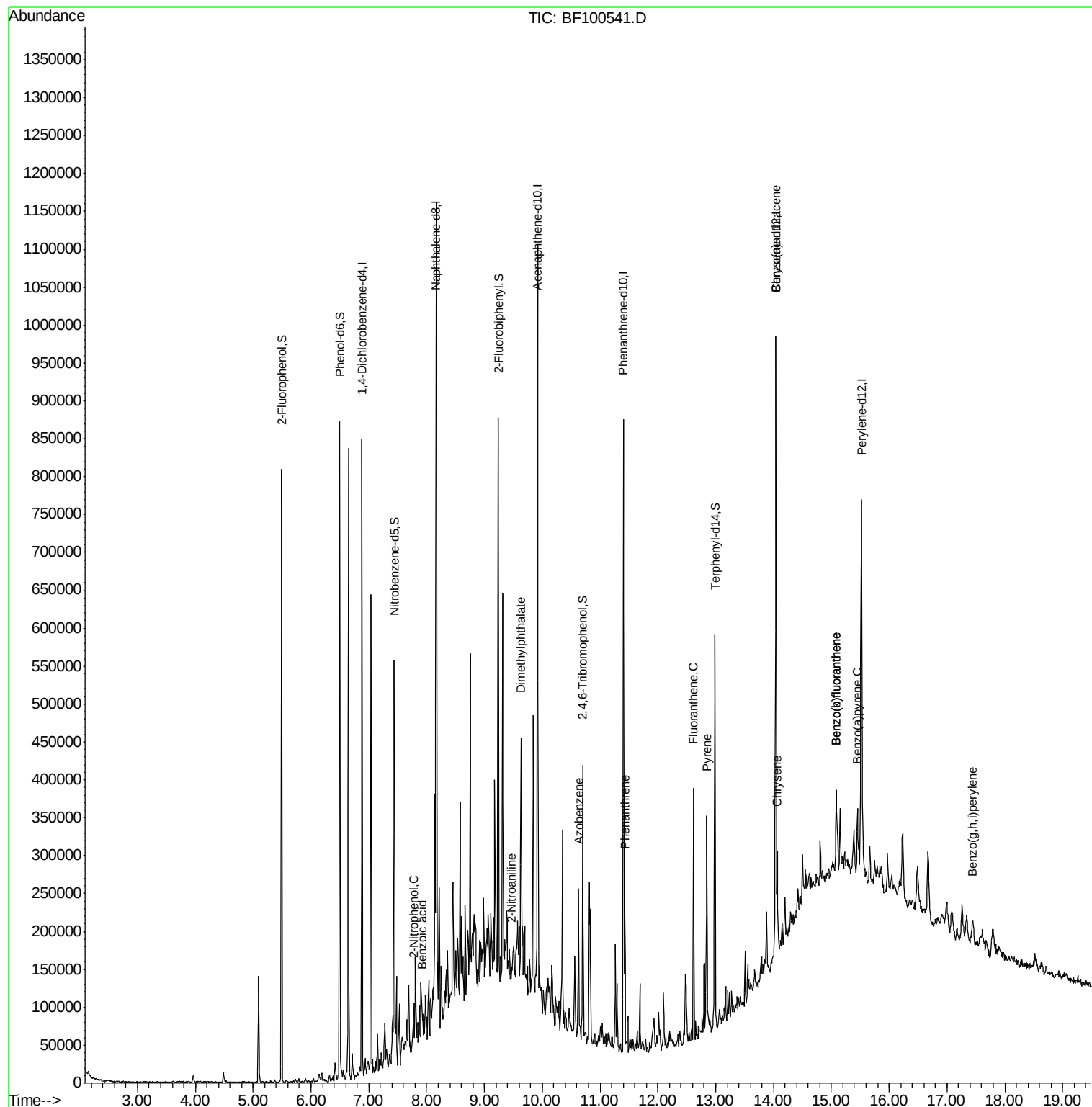
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
26) 2-Nitrophenol	7.78	139	640	5.547	ng	# 1
32) Benzoic acid	7.93	122	134	9.392	ng	# 1
47) 2-Nitroaniline	9.48	65	241	2.851	ng	# 50
49) Dimethylphthalate	9.63	163	42662	3.077	ng	# 97
62) Azobenzene	10.63	77	28101	2.150	ng	# 1
70) Phenanthrene	11.43	178	65934	4.451	ng	98
74) Fluoranthene	12.62	202	119214	7.594	ng	97
77) Pyrene	12.84	202	108019	5.410	ng	97
80) Benzo(a)anthracene	14.03	228	58674	3.479	ng	97
82) Chrysene	14.07	228	55080	3.372	ng	98
87) Benzo(b)fluoranthene	15.09	252	78421	5.722	ng	# 92
88) Benzo(k)fluoranthene	15.09	252	78421	6.056	ng	# 95
89) Benzo(a)pyrene	15.45	252	39976	3.290	ng	# 91
91) Benzo(a,h,i)perylene	17.45	276	21605	2.221	ng	# 93

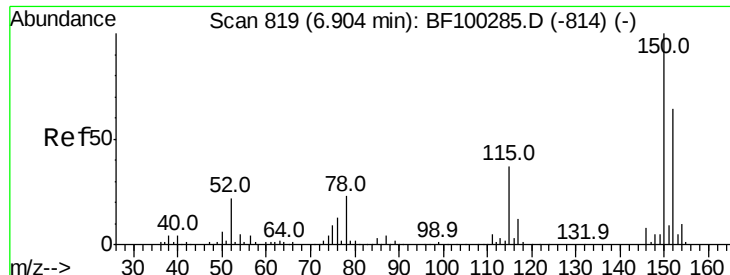
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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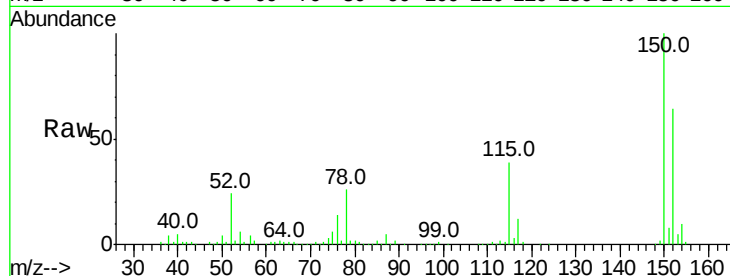


#1

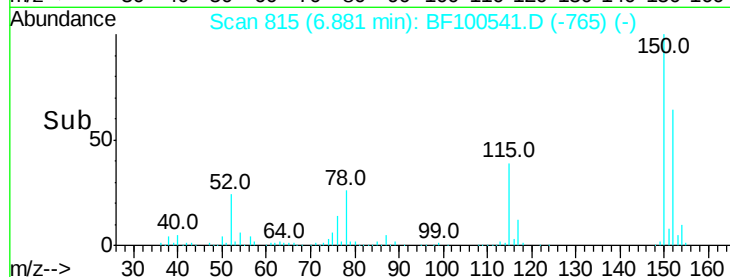
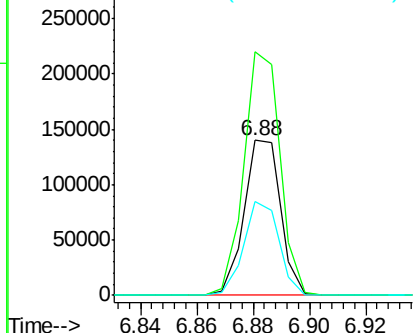
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.88 min Scan# 815
 Delta R.T. -0.01 min
 Lab File: BF100541.D
 Acq: 14 Nov 2017 14:37

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

Tot Ion:152 Resp: 125640
 Ion Ratio Lower Upper
 152 100
 150 157.1 124.6 186.8
 115 60.9 50.1 75.1



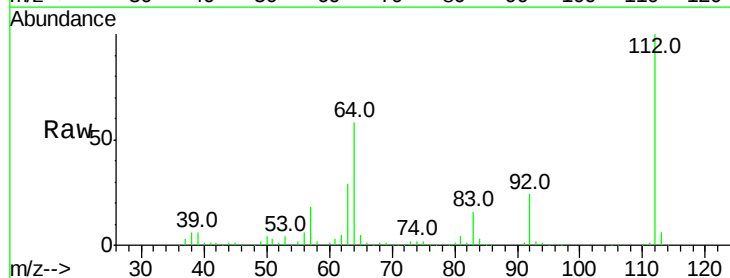
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



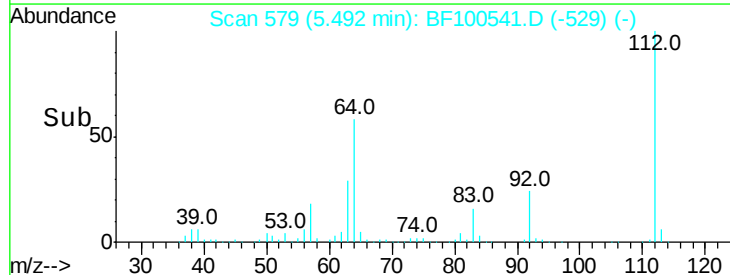
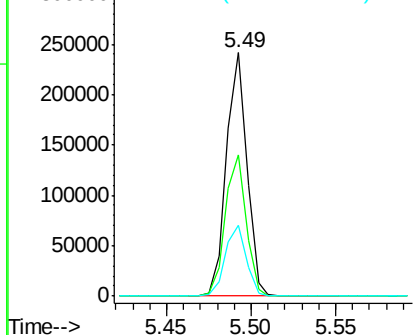
#5

2-Fluorophenol
 Concen: 25.976 ng
 RT: 5.49 min Scan# 579
 Delta R.T. -0.01 min
 Lab File: BF100541.D
 Acq: 14 Nov 2017 14:37

Tgt Ion:112 Resp: 203593
 Ion Ratio Lower Upper
 112 100
 64 58.1 47.9 71.9
 63 29.0 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BF1
 Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 24.953 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF100541.D

Acq: 14 Nov 2017 14:37

Instrument :

BNA_F

ClientSampleId :

JC-02-110917-E

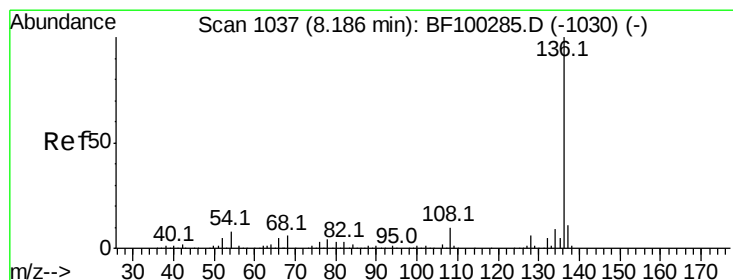
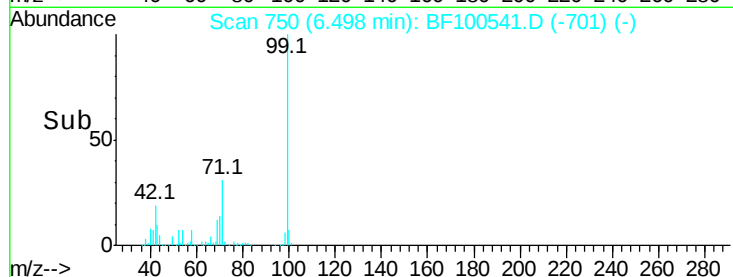
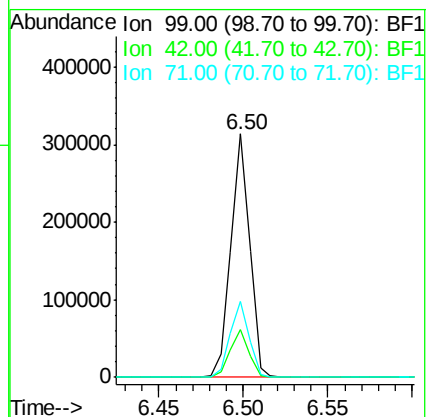
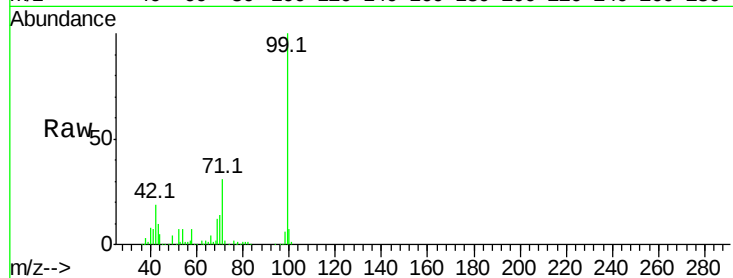
Tot Ion: 99 Resp: 241176

Ion Ratio Lower Upper

99 100

42 19.4 14.5 21.7

71 31.0 25.4 38.0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.16 min Scan# 1033

Delta R.T. -0.01 min

Lab File: BF100541.D

Acq: 14 Nov 2017 14:37

Tgt Ion: 136 Resp: 464262

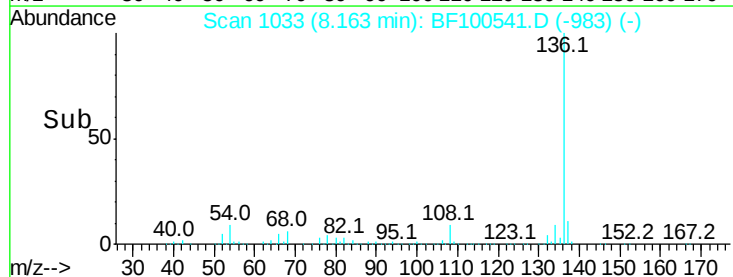
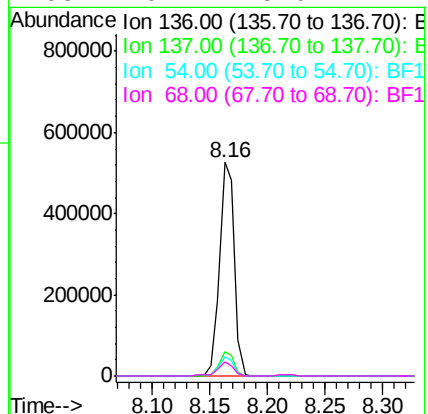
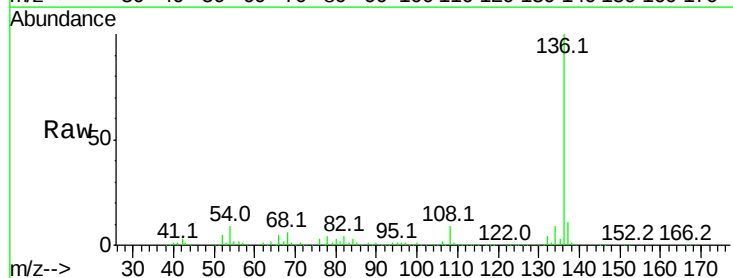
Ion Ratio Lower Upper

136 100

137 11.4 8.9 13.3

54 9.3 6.6 9.8

68 6.4 5.0 7.4

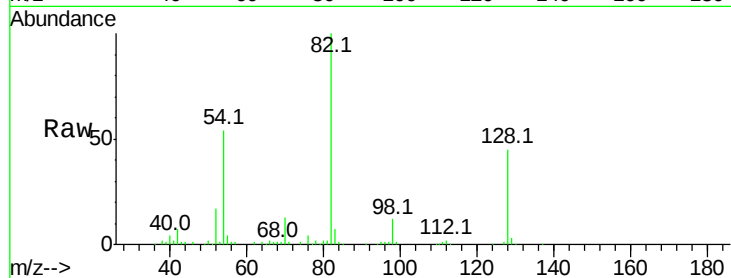




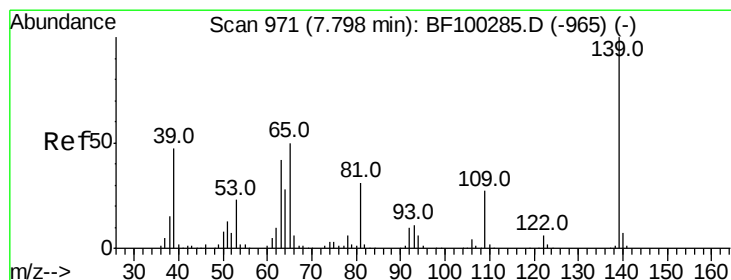
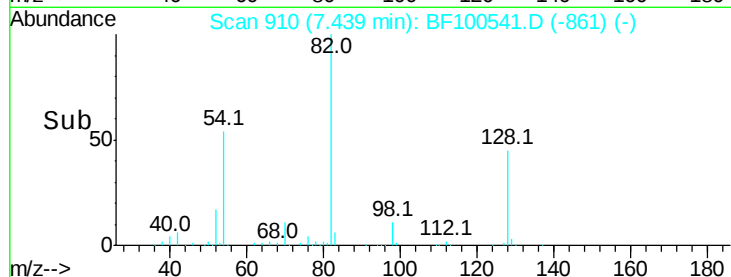
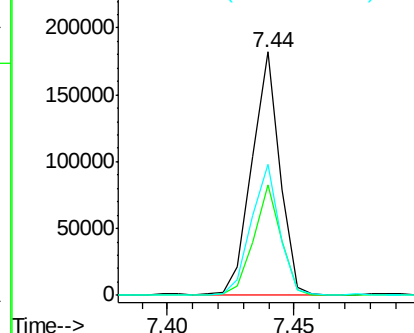
#23
Nitrobenzene-d5
Concen: 19.781 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF100541.D
Acq: 14 Nov 2017 14:37

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

Tot Ion: 82 Resp: 138907
Ion Ratio Lower Upper
82 100
128 45.2 36.1 54.1
54 54.0 41.4 62.2

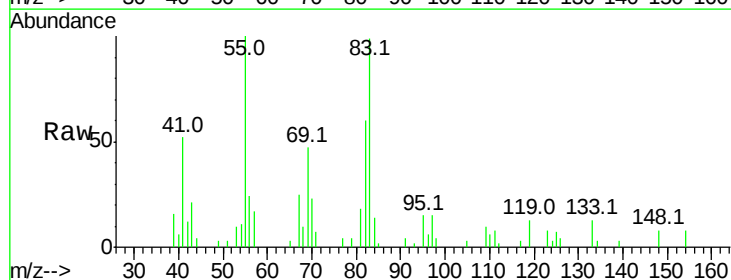


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

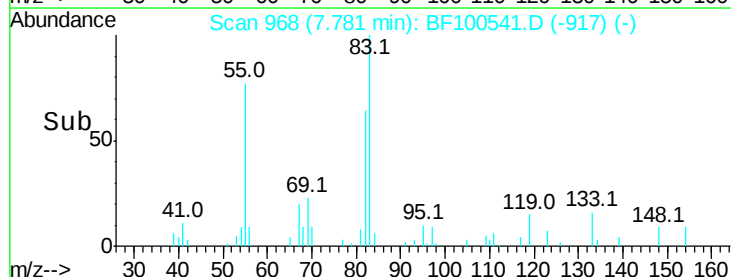
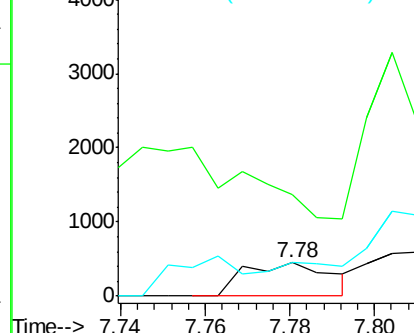


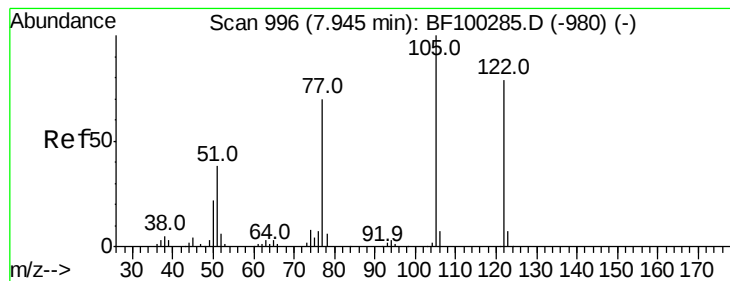
#26
2-Nitrophenol
Concen: 5.547 ng
RT: 7.78 min Scan# 968
Delta R.T. -0.00 min
Lab File: BF100541.D
Acq: 14 Nov 2017 14:37

Tgt Ion: 139 Resp: 640
Ion Ratio Lower Upper
139 100
109 303.8 22.7 34.1#
65 101.3 40.5 60.7#



Abundance Ion 139.00 (138.70 to 139.70): BF1
Ion 109.00 (108.70 to 109.70): BF1
Ion 65.00 (64.70 to 65.70): BF1





#32

Benzoic acid

Concen: 9.392 ng

RT: 7.93 min Scan# 993

Delta R.T. -0.01 min

Lab File: BF100541.D

Acq: 14 Nov 2017 14:37

Instrument :

BNA_F

ClientSampleId :

JC-02-110917-E

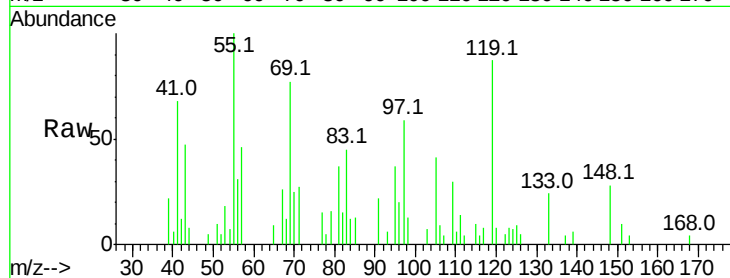
Tot Ion:122 Resp: 134

Ion Ratio Lower Upper

122 100

105 807.6 101.1 141.1#

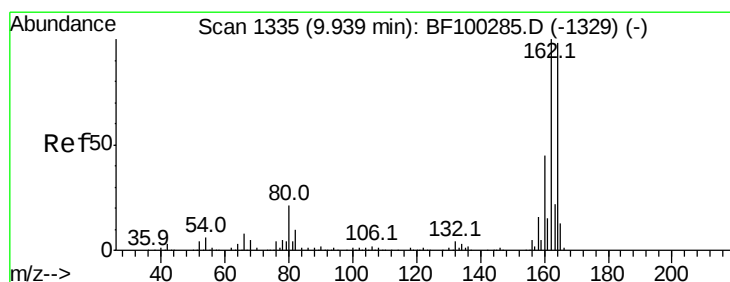
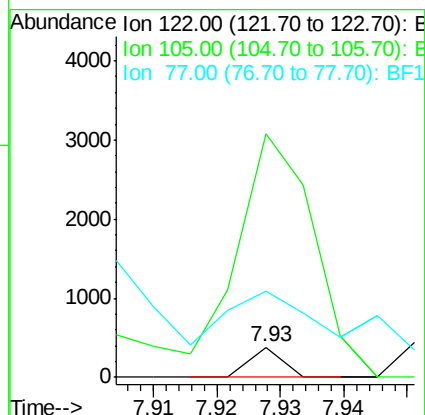
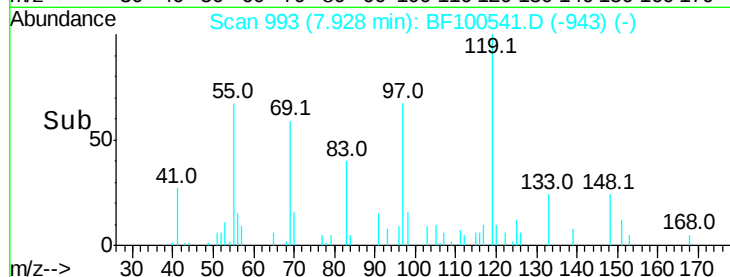
77 285.8 70.7 110.7#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.92 min Scan# 1332

Delta R.T. -0.00 min

Lab File: BF100541.D

Acq: 14 Nov 2017 14:37

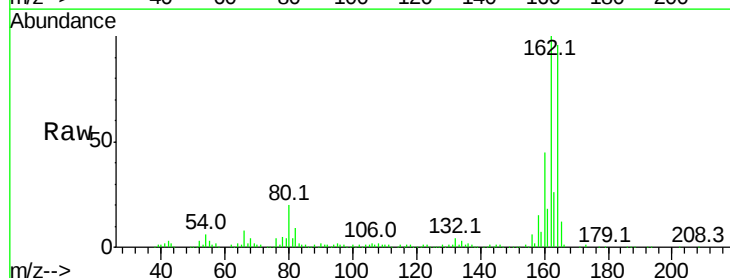
Tgt Ion:164 Resp: 181590

Ion Ratio Lower Upper

164 100

162 104.3 86.1 129.1

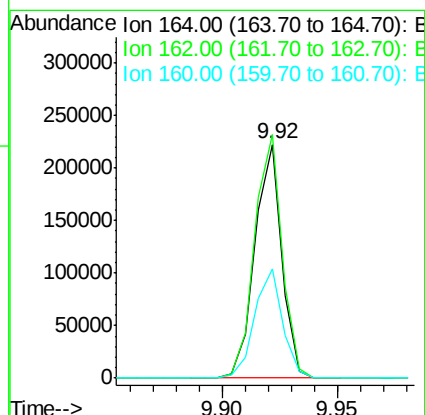
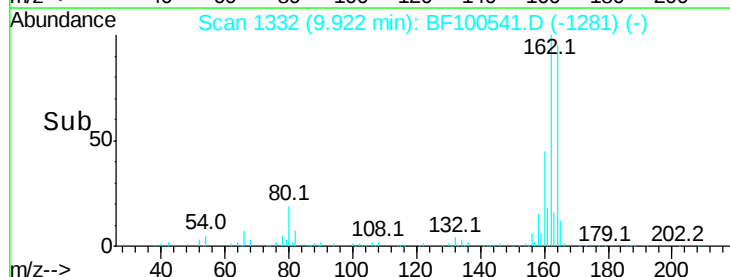
160 46.9 38.3 57.5

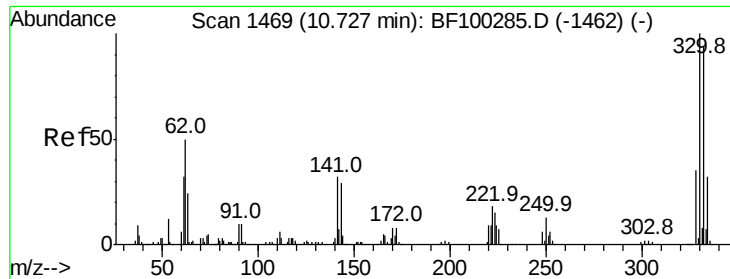


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

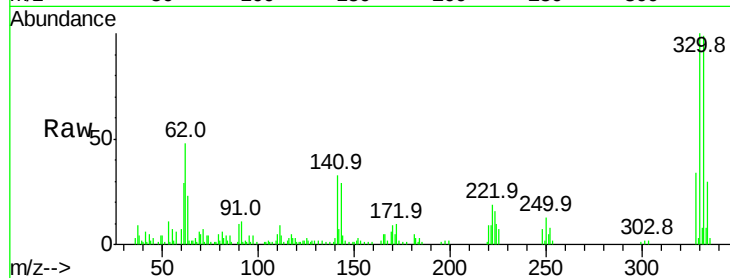




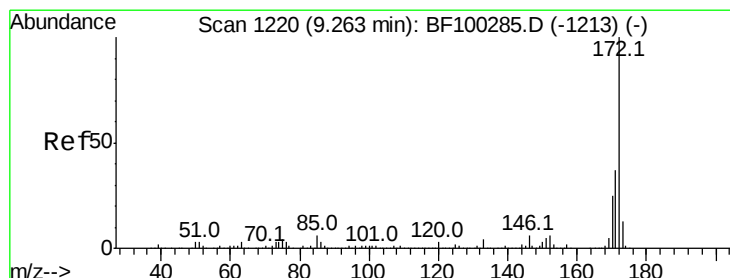
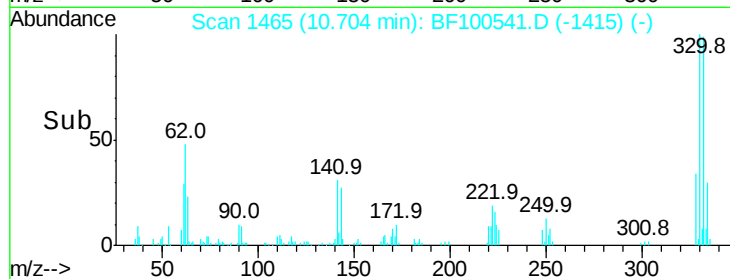
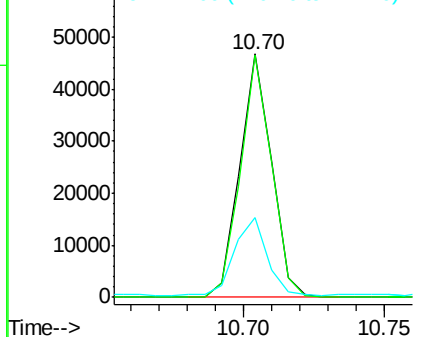
#41
 2,4,6-Tribromophenol
 Concen: 19.714 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.01 min
 Lab File: BF100541.D
 Acq: 14 Nov 2017 14:37

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

Tot Ion:330 Resp: 36479
 Ion Ratio Lower Upper
 330 100
 332 97.4 77.0 115.6
 141 32.7 29.9 44.9

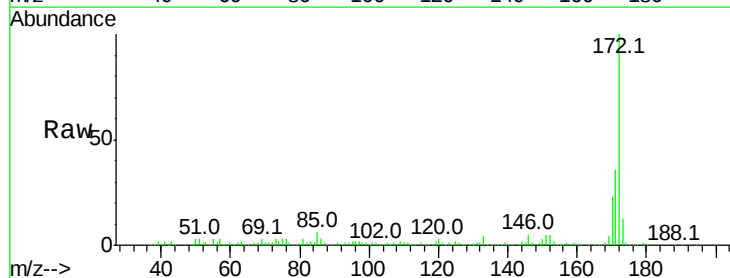


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

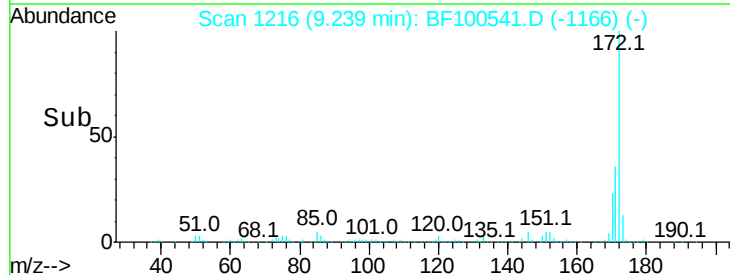
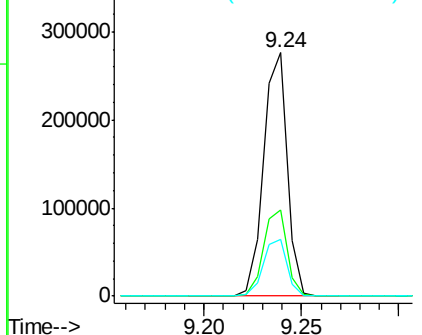


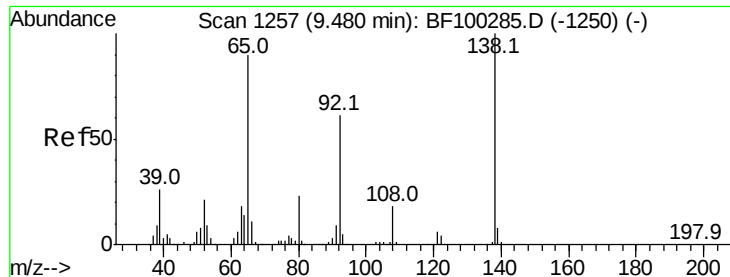
#44
 2-Fluorobiphenyl
 Concen: 19.396 ng
 RT: 9.24 min Scan# 1216
 Delta R.T. -0.01 min
 Lab File: BF100541.D
 Acq: 14 Nov 2017 14:37

Tgt Ion:172 Resp: 231303
 Ion Ratio Lower Upper
 172 100
 171 35.5 29.7 44.5
 170 23.3 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: 2.851 ng

RT: 9.48 min Scan# 1257

Delta R.T. 0.02 min

Lab File: BF100541.D

Acq: 14 Nov 2017 14:37

Instrument :

BNA_F

ClientSampleId :

JC-02-110917-E

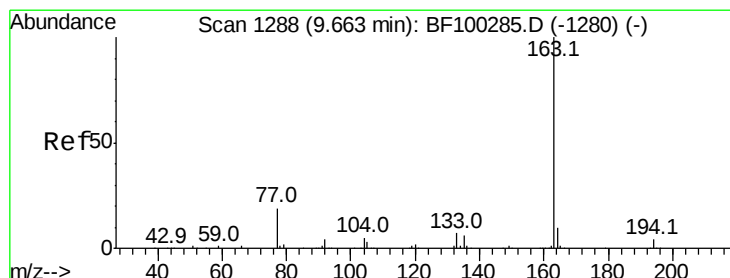
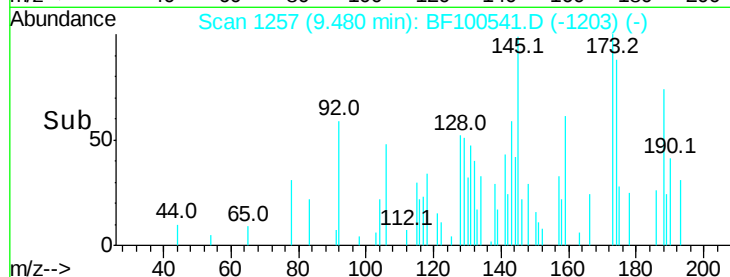
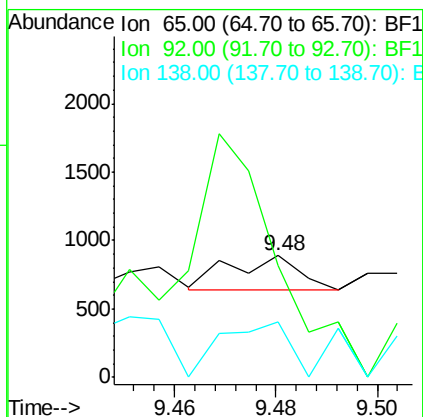
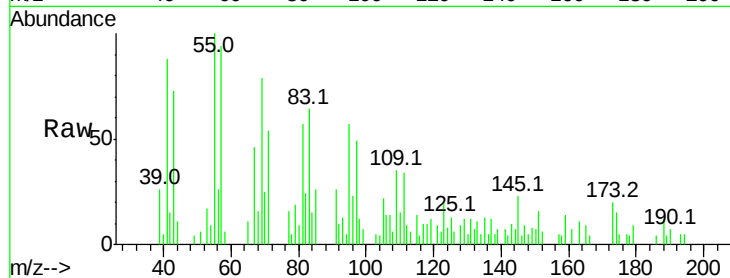
Tot Ion: 65 Resp: 241

Ion Ratio Lower Upper

65 100

92 91.9 55.8 83.6#

138 45.2 91.2 136.8#



#49

Dimethylphthalate

Concen: 3.077 ng

RT: 9.63 min Scan# 1282

Delta R.T. -0.02 min

Lab File: BF100541.D

Acq: 14 Nov 2017 14:37

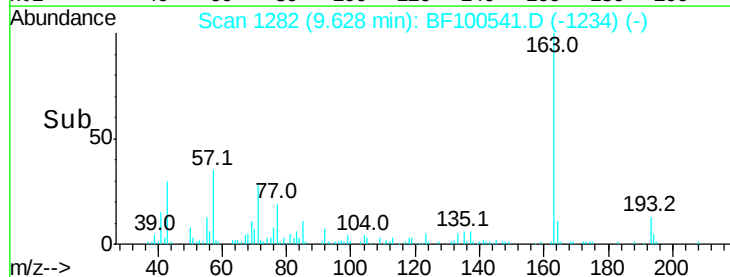
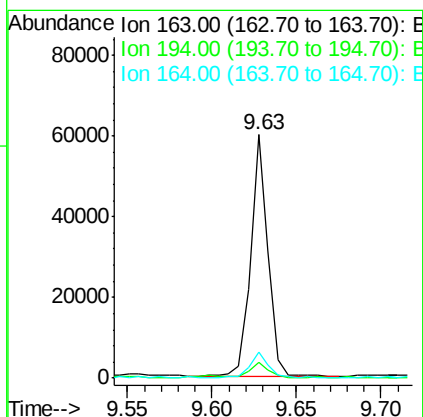
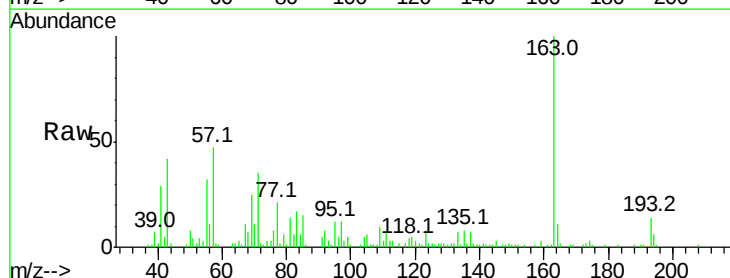
Tgt Ion:163 Resp: 42662

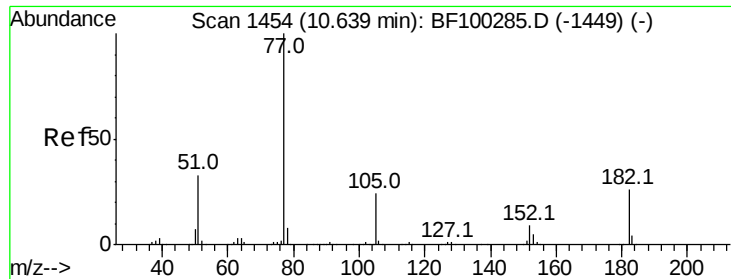
Ion Ratio Lower Upper

163 100

194 6.3 2.7 4.1#

164 10.8 8.2 12.2





#62

Azobenzene

Concen: 2.150 ng

RT: 10.63 min Scan# 1452

Delta R.T. 0.01 min

Lab File: BF100541.D

Acq: 14 Nov 2017 14:37

Instrument :

BNA_F

ClientSampleId :

JC-02-110917-E

Tot Ion: 77 Resp: 28101

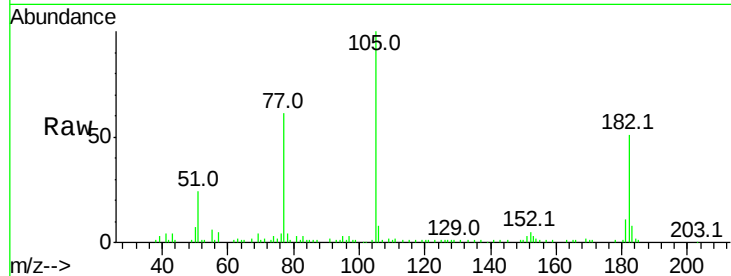
Ion Ratio Lower Upper

77 100

182 84.5 1.7 41.7#

105 165.1 3.0 43.0#

51 40.0 9.9 49.9

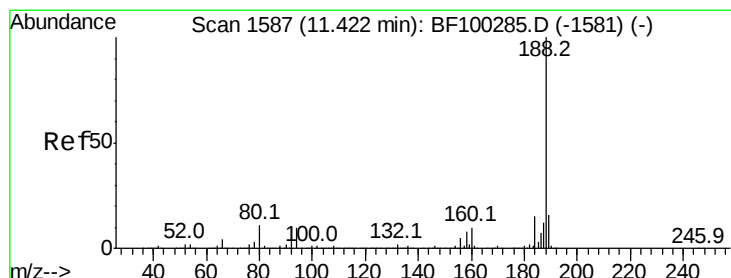
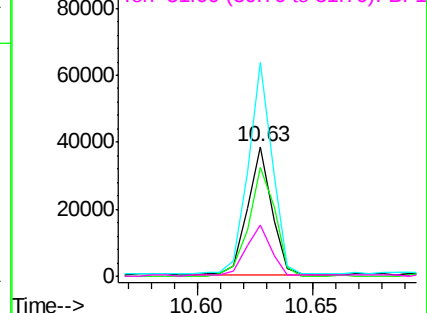
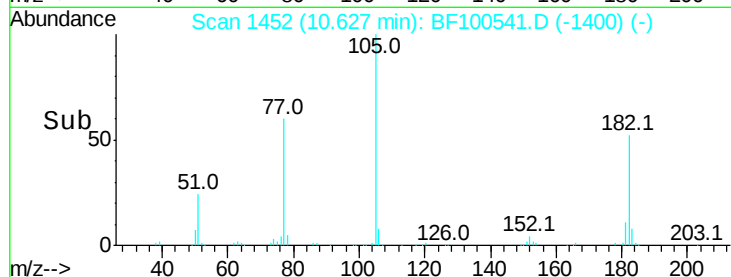


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.40 min Scan# 1584

Delta R.T. -0.01 min

Lab File: BF100541.D

Acq: 14 Nov 2017 14:37

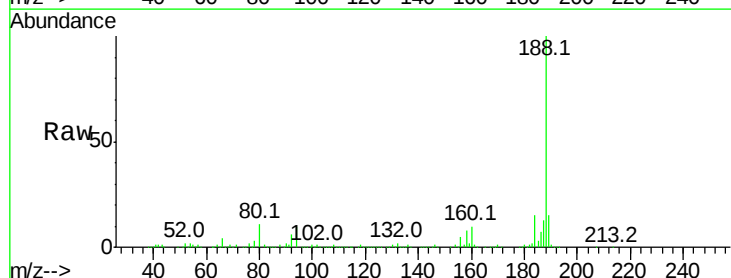
Tgt Ion: 188 Resp: 281346

Ion Ratio Lower Upper

188 100

94 10.1 8.5 12.7

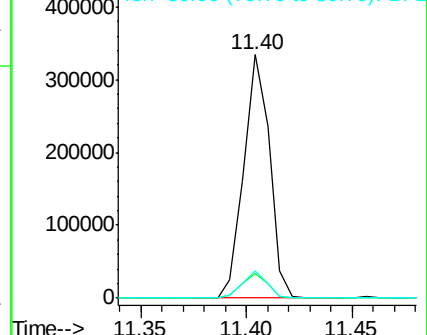
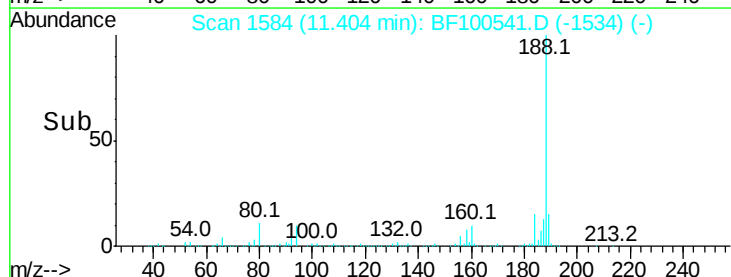
80 11.0 9.2 13.8

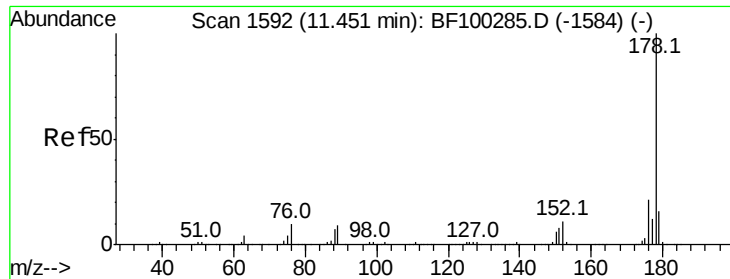


Abundance Ion 188.00 (187.70 to 188.70): BF1

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#70

Phenanthrene

Concen: 4.451 ng

RT: 11.43 min Scan# 1588

Delta R.T. -0.01 min

Lab File: BF100541.D

Acq: 14 Nov 2017 14:37

Instrument :

BNA_F

ClientSampleId :

JC-02-110917-E

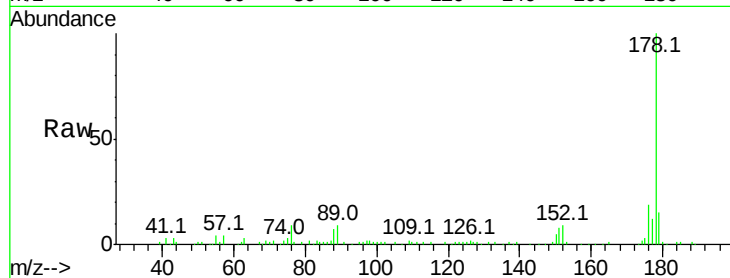
Tot Ion:178 Resp: 65934

Ion Ratio Lower Upper

178 100

176 19.0 15.8 23.8

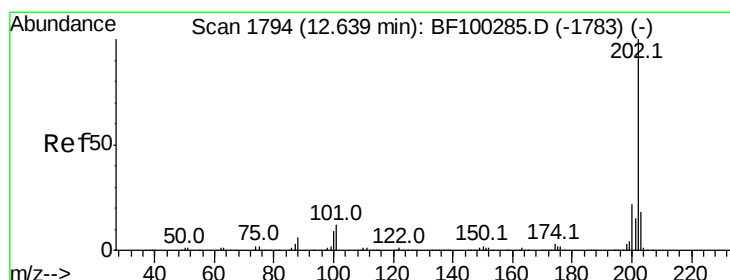
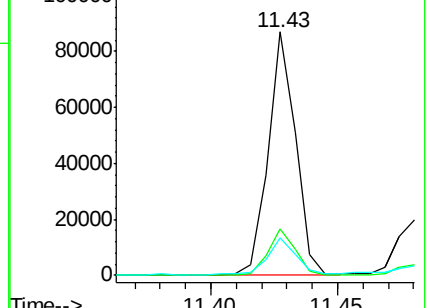
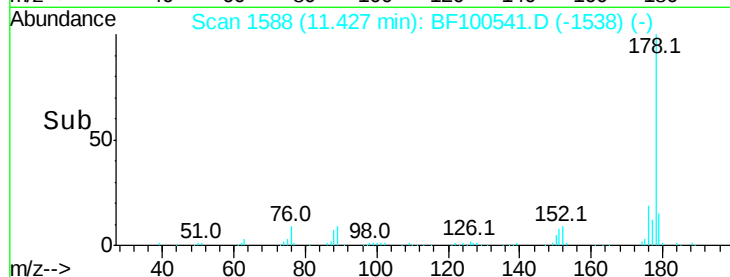
179 15.5 13.0 19.6



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: 7.594 ng

RT: 12.62 min Scan# 1790

Delta R.T. -0.01 min

Lab File: BF100541.D

Acq: 14 Nov 2017 14:37

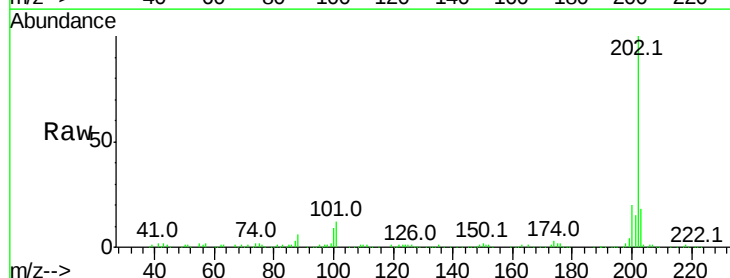
Tgt Ion:202 Resp: 119214

Ion Ratio Lower Upper

202 100

101 12.1 0.0 34.1

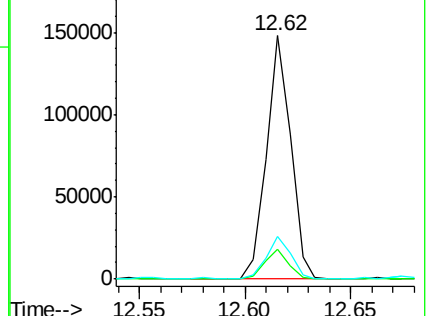
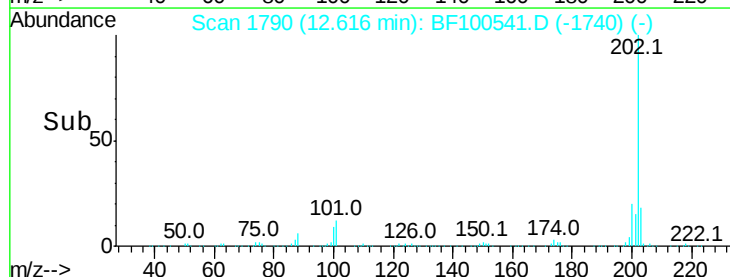
203 17.5 0.0 38.1

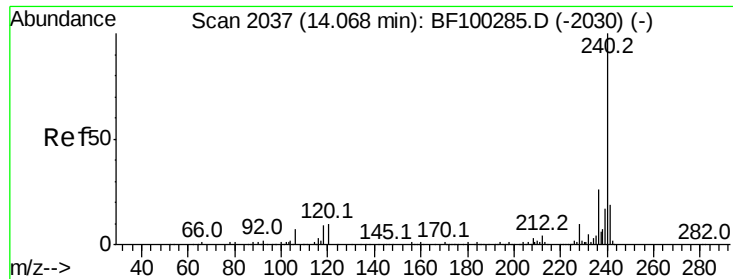


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.04 min Scan# 2033

Delta R.T. -0.01 min

Lab File: BF100541.D

Acq: 14 Nov 2017 14:37

Instrument :

BNA_F

ClientSampleId :

JC-02-110917-E

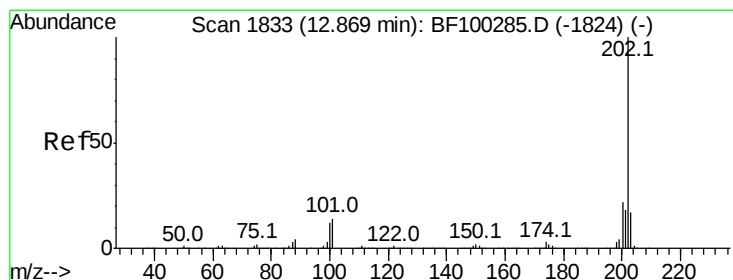
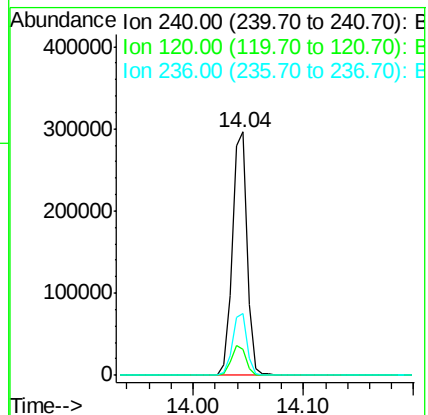
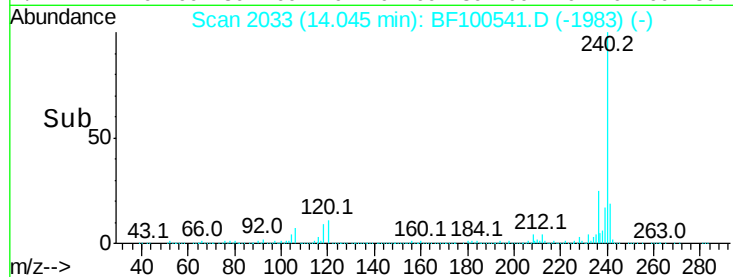
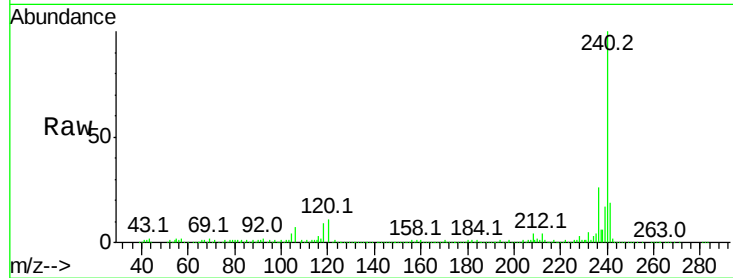
Tot Ion:240 Resp: 280074

Ion Ratio Lower Upper

240 100

120 10.6 9.5 14.3

236 25.6 20.7 31.1



#77

Pyrene

Concen: 5.410 ng

RT: 12.84 min Scan# 1829

Delta R.T. -0.01 min

Lab File: BF100541.D

Acq: 14 Nov 2017 14:37

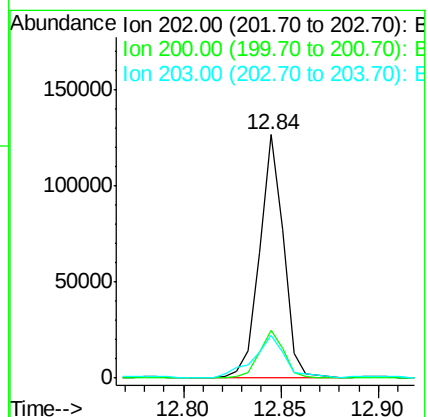
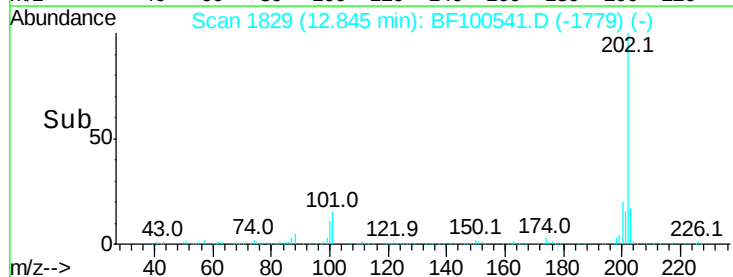
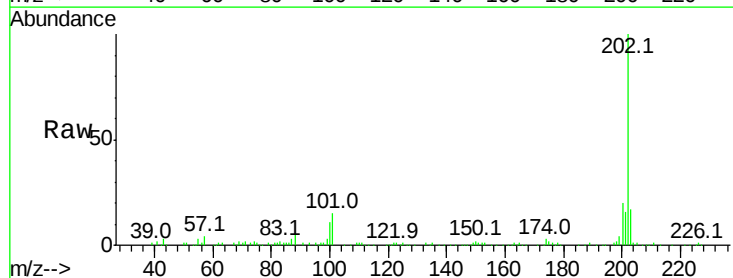
Tgt Ion:202 Resp: 108019

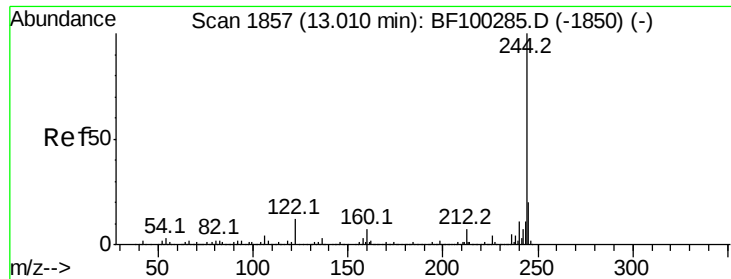
Ion Ratio Lower Upper

202 100

200 19.9 17.4 26.2

203 17.5 14.3 21.5





#78

Terphenyl-d14

Concen: 12.854 ng

RT: 12.99 min Scan# 1853

Delta R.T. -0.01 min

Lab File: BF100541.D

Acq: 14 Nov 2017 14:37

Instrument :

BNA_F

ClientSampleId :

JC-02-110917-E

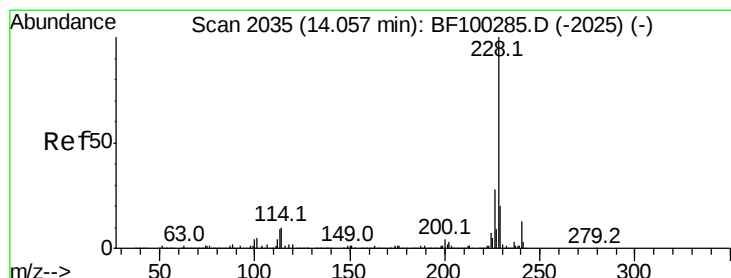
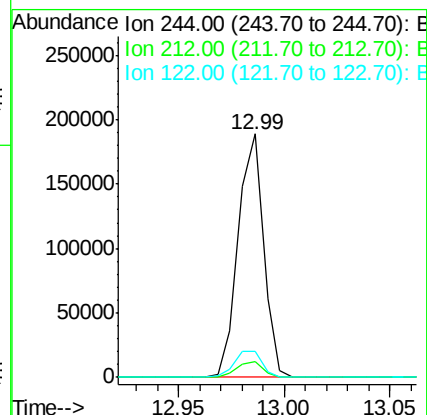
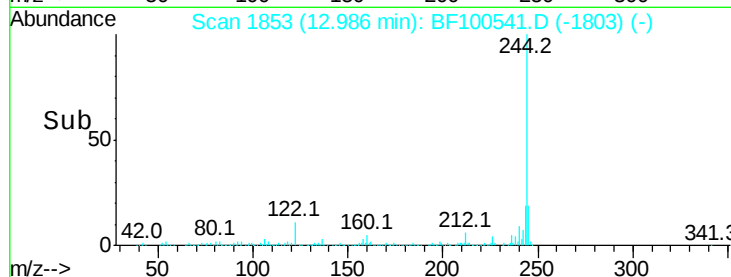
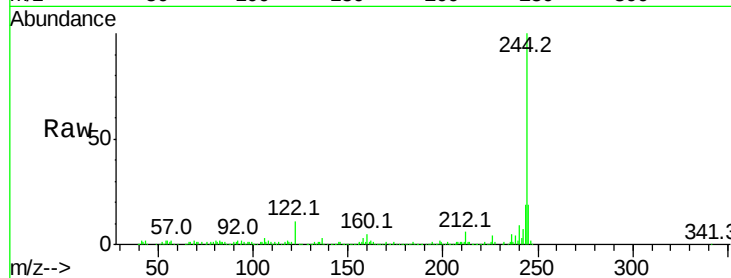
Tot Ion:244 Resp: 156682

Ion Ratio Lower Upper

244 100

212 6.2 5.4 8.0

122 10.5 11.0 16.4#



#80

Benzo(a)anthracene

Concen: 3.479 ng

RT: 14.03 min Scan# 2031

Delta R.T. -0.01 min

Lab File: BF100541.D

Acq: 14 Nov 2017 14:37

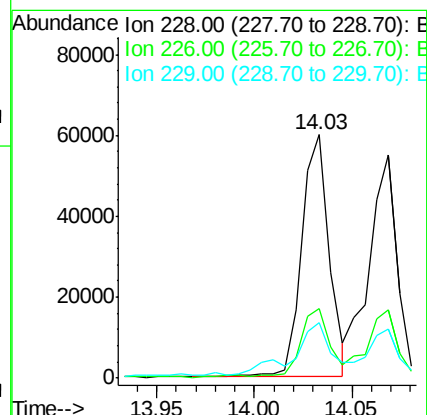
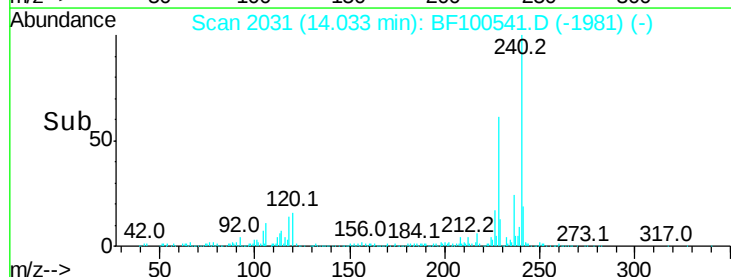
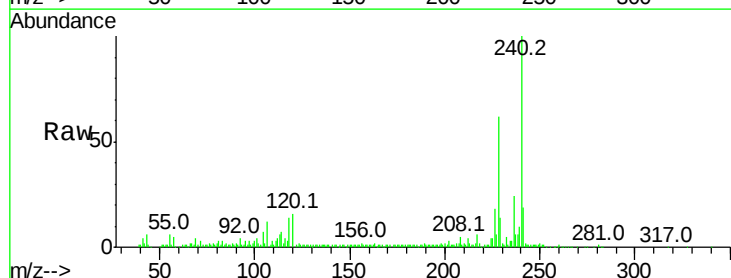
Tgt Ion:228 Resp: 58674

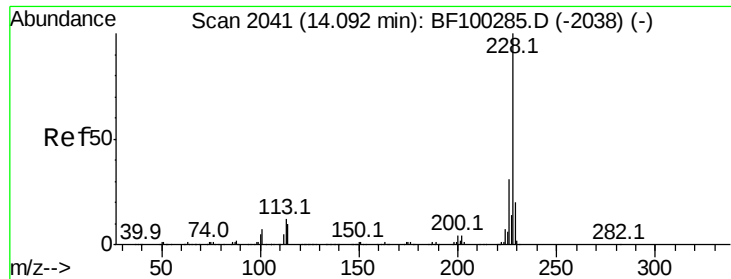
Ion Ratio Lower Upper

228 100

226 28.8 22.6 33.8

229 22.9 15.8 23.6

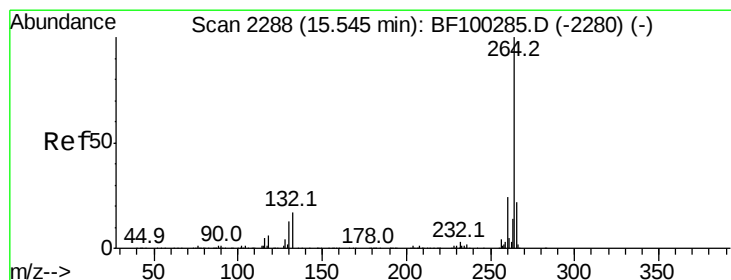
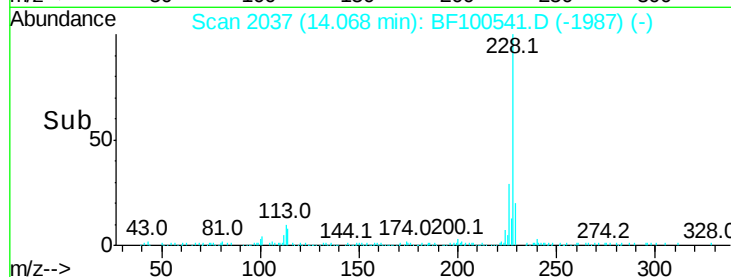
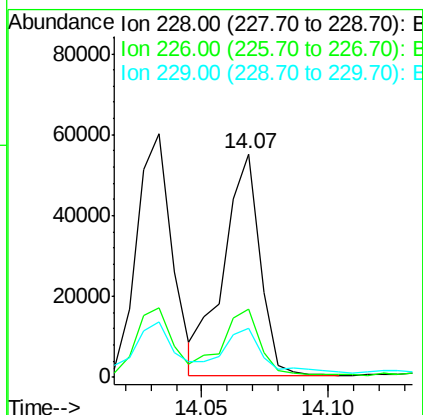
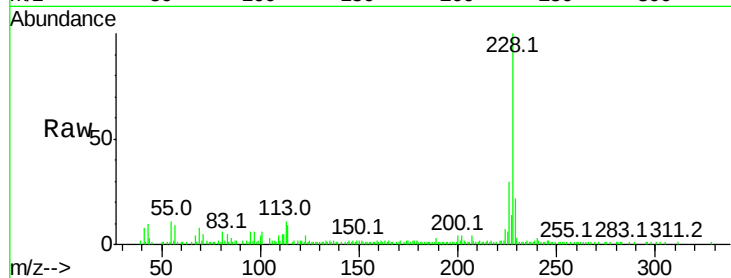




#82
Chrysene
Concen: 3.372 ng
RT: 14.07 min Scan# 2037
Delta R.T. -0.01 min
Lab File: BF100541.D
Acq: 14 Nov 2017 14:37

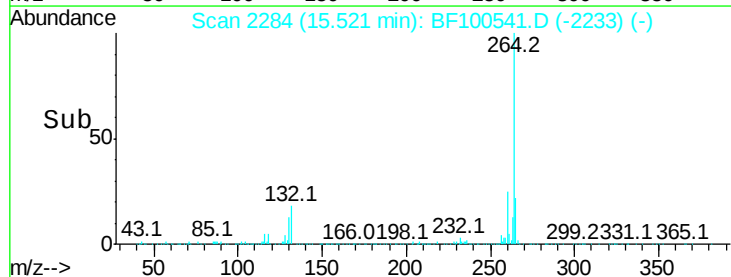
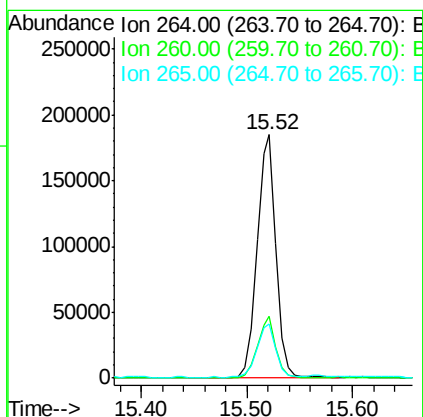
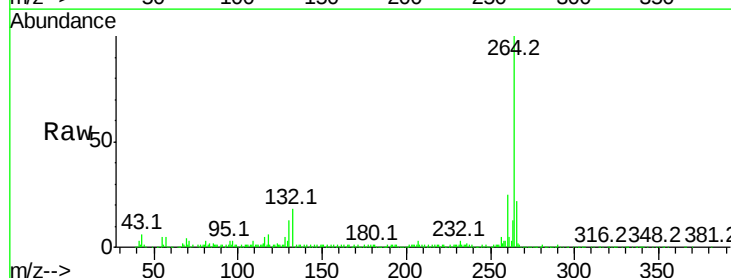
Instrument :
BNA_F
ClientSampleId :
JC-02-110917-E

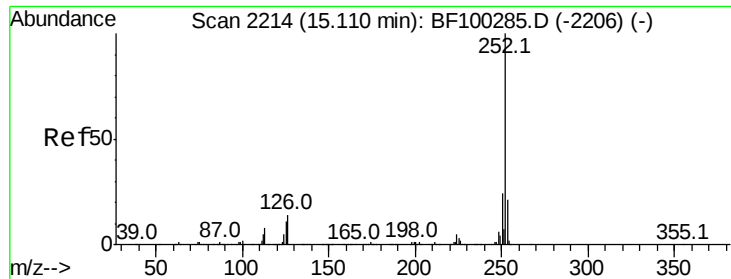
Tot Ion:228 Resp: 55080
Ion Ratio Lower Upper
228 100
226 30.5 25.0 37.6
229 21.8 16.2 24.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.52 min Scan# 2284
Delta R.T. -0.00 min
Lab File: BF100541.D
Acq: 14 Nov 2017 14:37

Tgt Ion:264 Resp: 231314
Ion Ratio Lower Upper
264 100
260 25.3 19.2 28.8
265 22.0 17.5 26.3

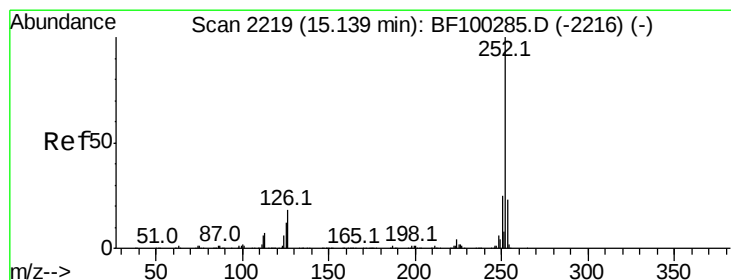
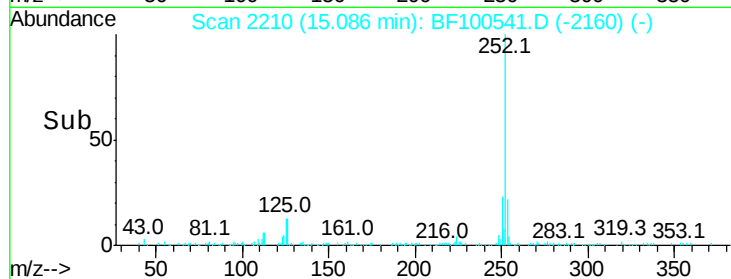
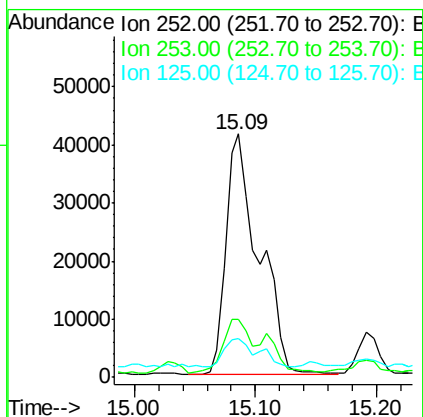
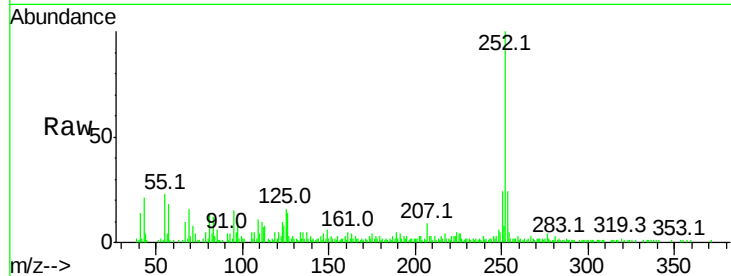




#87
Benzo(b)fluoranthene
Concen: 5.722 ng
RT: 15.09 min Scan# 2210
Delta R.T. -0.01 min
Lab File: BF100541.D
Acq: 14 Nov 2017 14:37

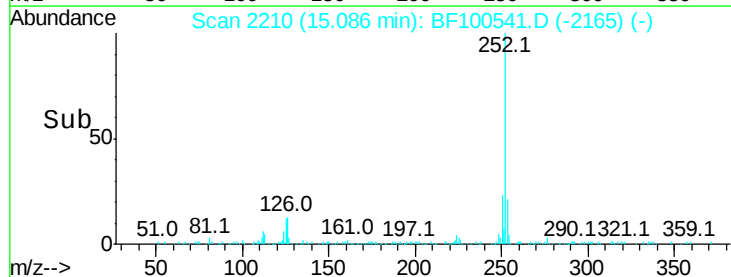
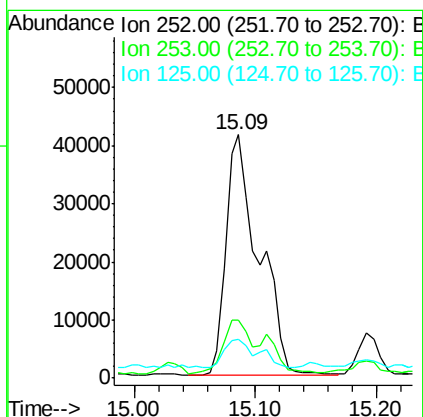
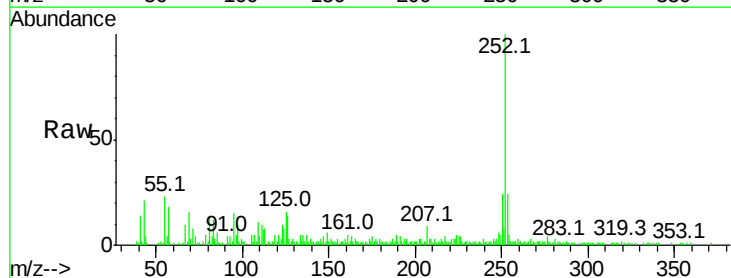
Instrument :
BNA_F
ClientSampleId :
JC-02-110917-E

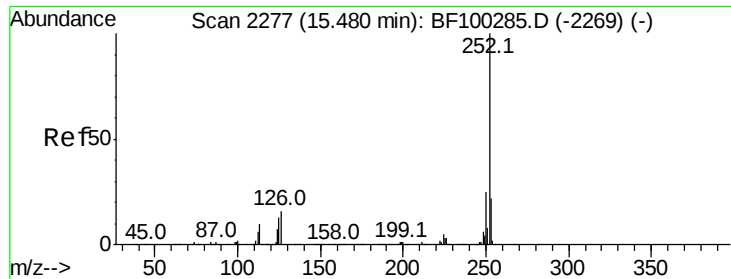
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.0	25.6
125	16.0	9.0	13.6



#88
Benzo(k)fluoranthene
Concen: 6.056 ng
RT: 15.09 min Scan# 2210
Delta R.T. -0.04 min
Lab File: BF100541.D
Acq: 14 Nov 2017 14:37

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.9	26.9
125	16.0	10.2	15.2





#89

Benzo(a)pyrene

Concen: 3.290 ng

RT: 15.45 min Scan# 2272

Delta R.T. -0.01 min

Lab File: BF100541.D

Acq: 14 Nov 2017 14:37

Instrument :

BNA_F

ClientSampleId :

JC-02-110917-E

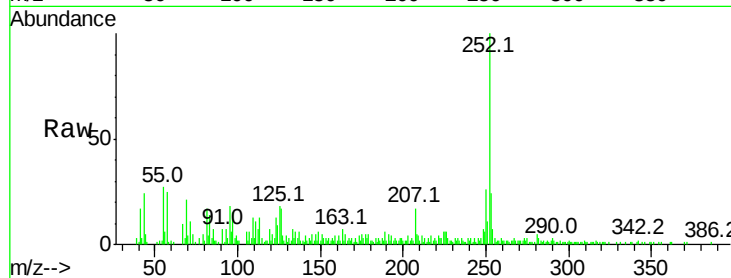
Tot Ion:252 Resp: 39976

Ion Ratio Lower Upper

252 100

253 24.1 17.1 25.7

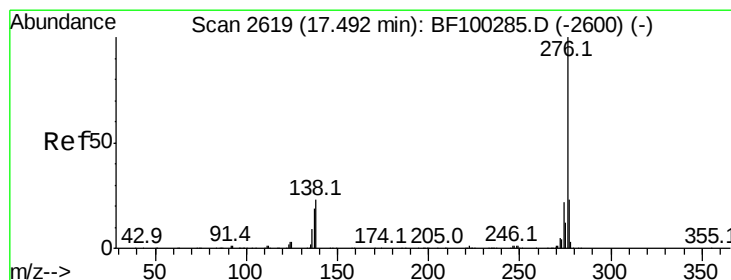
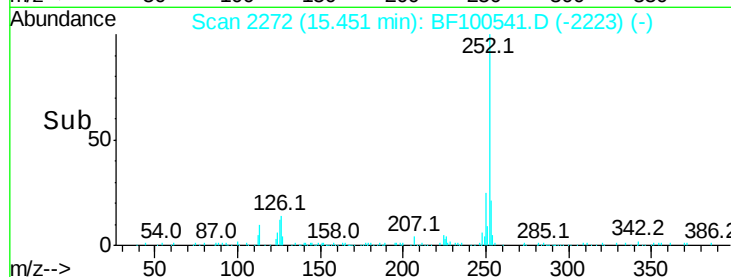
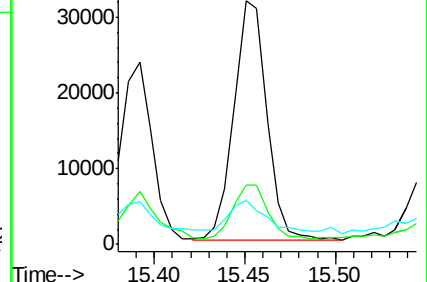
125 17.8 9.8 14.6#



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: 2.221 ng

RT: 17.45 min Scan# 2612

Delta R.T. -0.01 min

Lab File: BF100541.D

Acq: 14 Nov 2017 14:37

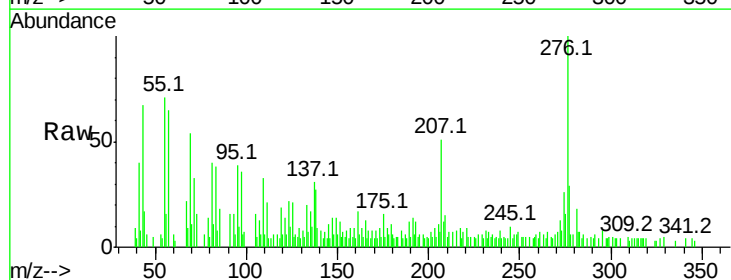
Tgt Ion:276 Resp: 21605

Ion Ratio Lower Upper

276 100

277 29.5 17.9 26.9#

138 27.1 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

