

Data File : BF100509.D
Acq On : 13 Nov 2017 18:13
Operator : SJ/JU
Sample : I6301-07 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

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

Quant Time: Nov 14 00:48:44 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	84454	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	316586	20.00	ng	0.00
38) Acenaphthene-d10	9.93	164	126759	20.00	ng	0.00
63) Phenanthrene-d10	11.42	188	193688	20.00	ng	0.00
75) Chrysene-d12	14.06	240	182931	20.00	ng	0.00
86) Perylene-d12	15.53	264	139465	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	283075	53.73	ng	0.00
7) Phenol-d6	6.51	99	341686	52.59	ng	0.00
23) Nitrobenzene-d5	7.45	82	203372	42.47	ng	0.00
41) 2,4,6-Tribromophenol	10.72	330	69280	53.64	ng	0.00
44) 2-Fluorobiphenyl	9.25	172	371830	44.67	ng	0.00
78) Terphenyl-d14	13.00	244	246189	30.92	ng	0.00

Target Compounds						Qvalue
10) Phenol	6.52	94	14162	2.08	ng	88
19) n-Nitroso-di-n-propylamine	7.45	70	26991	5.99	ng	# 80
25) Isophorone	7.45	82	203369	20.21	ng	# 64
47) 2-Nitroaniline	9.63	65	716	3.07	ng	# 1
49) Dimethylphthalate	9.64	163	61150	6.32	ng	# 99
55) 4-Nitrophenol	10.13	139	4078	2.22	ng	# 14
56) 2,4-Dinitrotoluene	9.93	165	16953	7.01	ng	# 22
62) Azobenzene	10.63	77	37211	4.08	ng	# 1
66) 4-Bromophenyl-phenylether	10.72	248	4376	2.11	ng	# 1
70) Phenanthrene	11.44	178	113309	11.11	ng	98
71) Anthracene	11.49	178	34529	3.34	ng	96
74) Fluoranthene	12.63	202	190448	17.62	ng	95
77) Pyrene	12.86	202	175844	13.48	ng	99
80) Benzo(a)anthracene	14.08	228	88148	8.00	ng	98
82) Chrysene	14.08	228	88148	8.26	ng	95
85) Indeno(1,2,3-cd)pyrene	17.02	276	33459	3.88	ng	# 92
87) Benzo(b)fluoranthene	15.10	252	116166	14.06	ng	96
88) Benzo(k)fluoranthene	15.10	252	116166	14.88	ng	97
89) Benzo(a)pyrene	15.47	252	58899	8.04	ng	98
91) Benzo(g,h,i)perylene	17.47	276	36595	6.24	ng	92

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

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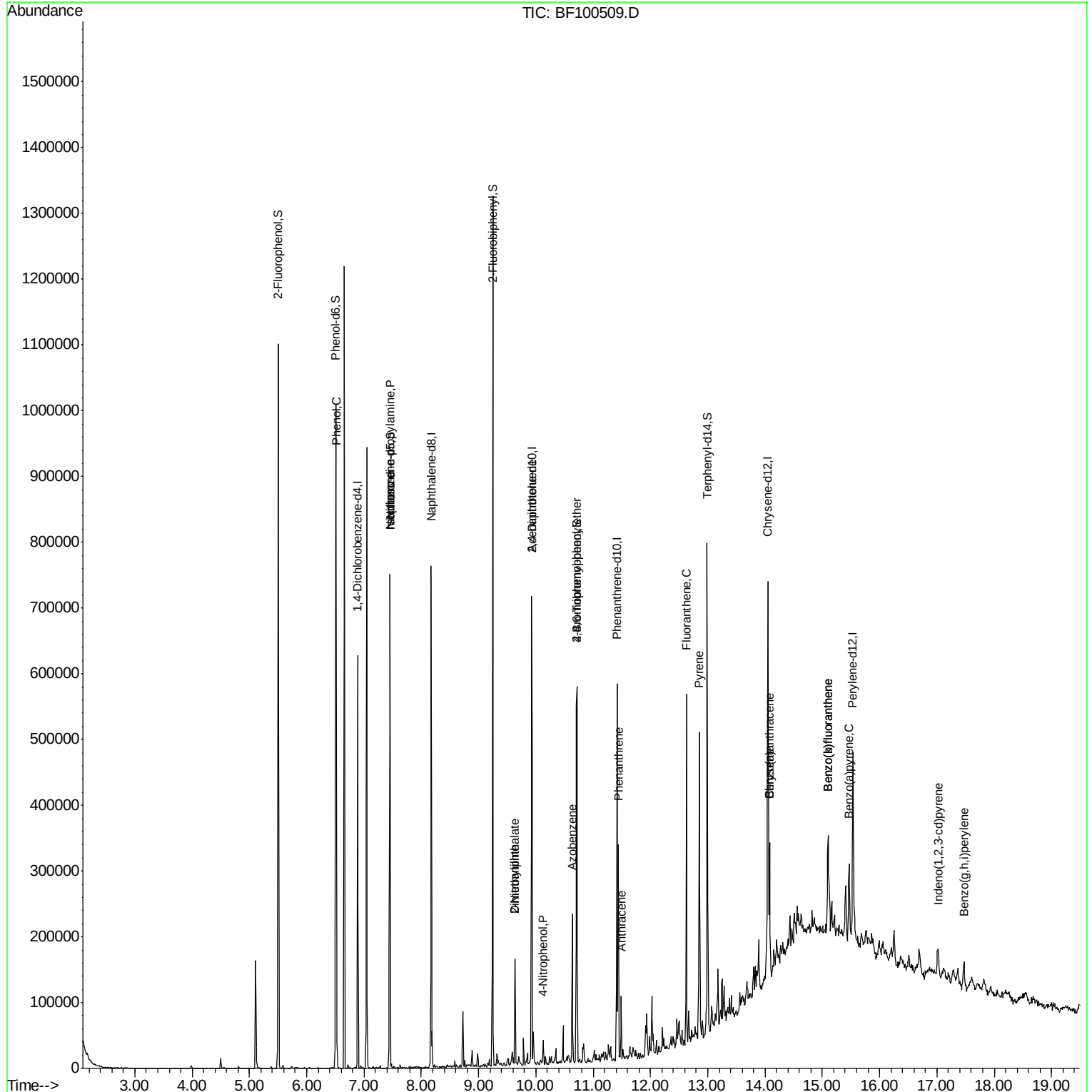
Quant Time: Nov 14 00:48:44 2017

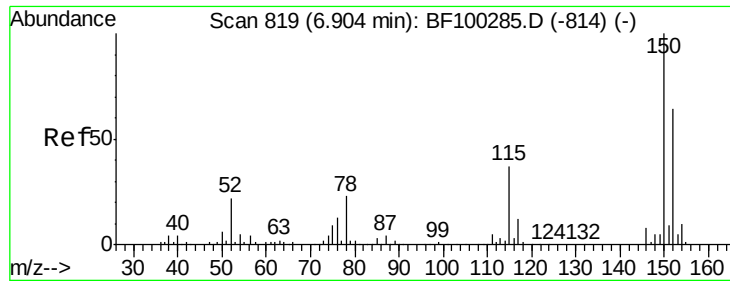
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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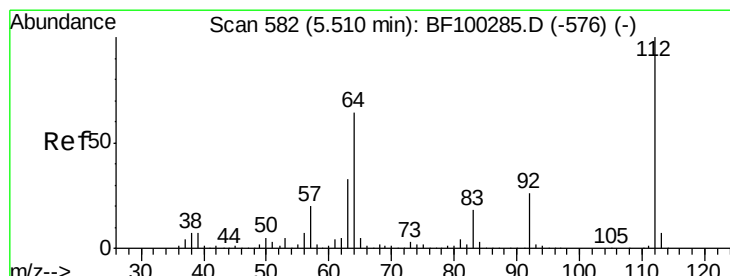
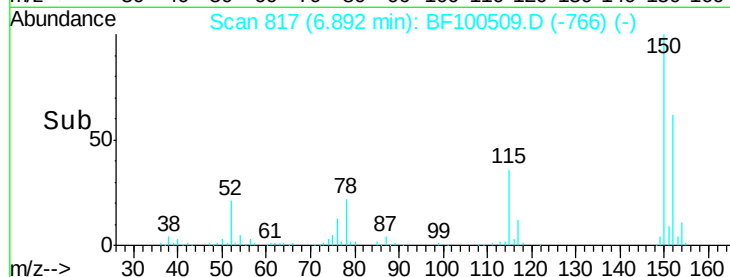
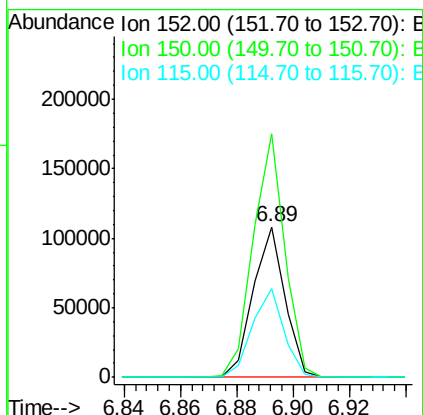
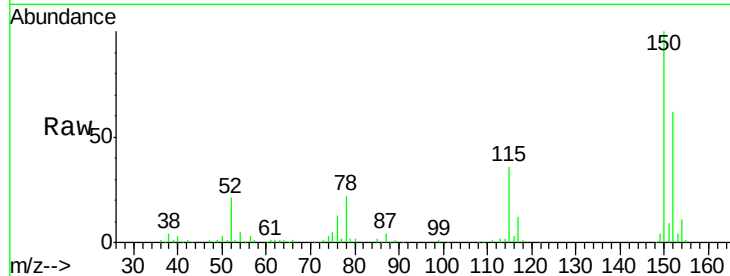


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.89 min Scan# 817
Delta R.T. 0.00 min
Lab File: BF100509.D
Acq: 13 Nov 2017 18:13

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

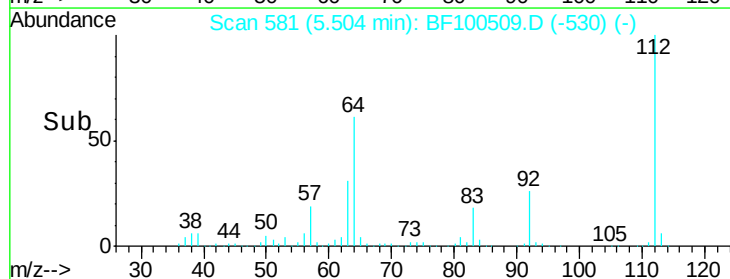
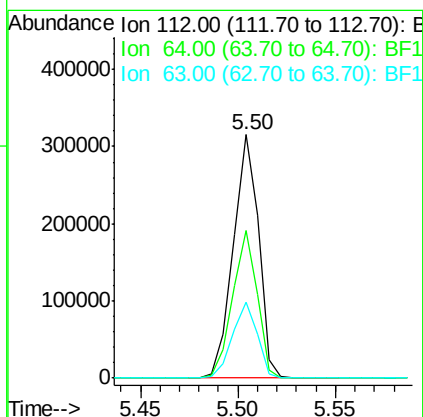
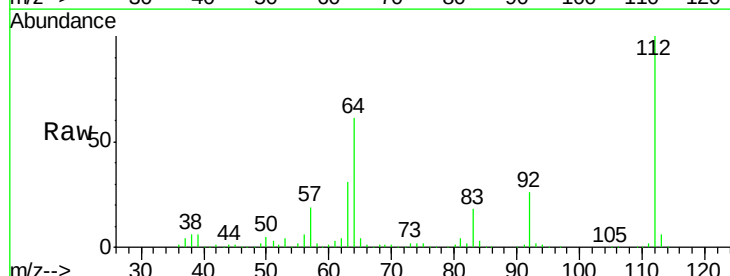
Tgt Ion:152 Resp: 84454
Ion Ratio Lower Upper
152 100
150 161.9 124.6 186.8
115 58.7 50.1 75.1

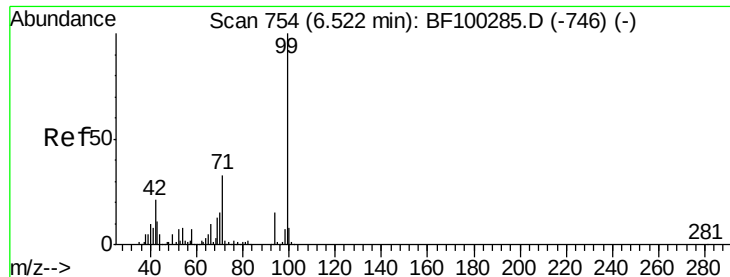


#5

2-Fluorophenol
Concen: 53.73 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.00 min
Lab File: BF100509.D
Acq: 13 Nov 2017 18:13

Tgt Ion:112 Resp: 283075
Ion Ratio Lower Upper
112 100
64 60.5 47.9 71.9
63 31.2 23.7 35.5





#7

Phenol-d6

Concen: 52.59 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF100509.D

Acq: 13 Nov 2017 18:13

Instrument :

BNA_F

ClientSampleId :

JC-02-110917-DMS

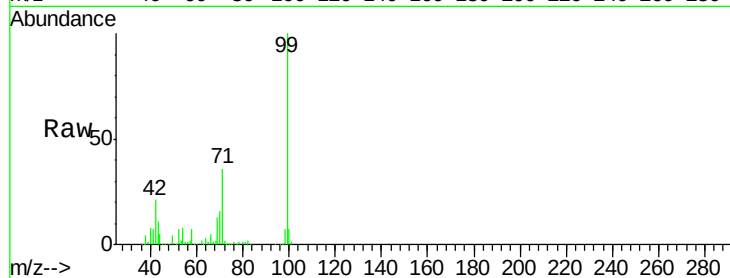
Tgt Ion: 99 Resp: 341686

Ion Ratio Lower Upper

99 100

42 21.0 14.5 21.7

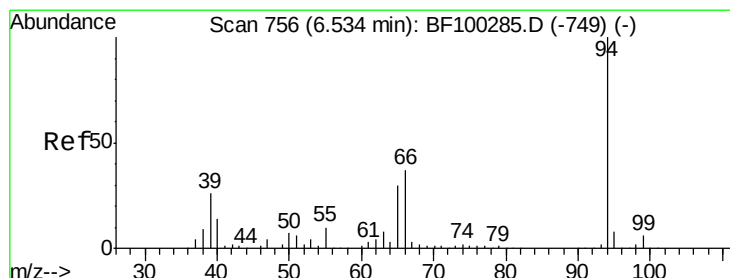
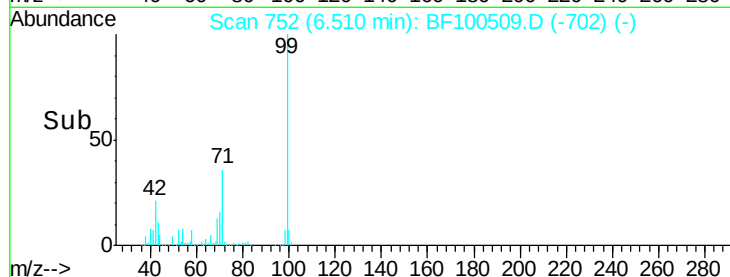
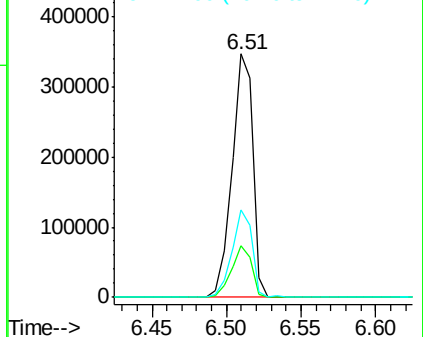
71 36.0 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 2.08 ng

RT: 6.52 min Scan# 754

Delta R.T. -0.01 min

Lab File: BF100509.D

Acq: 13 Nov 2017 18:13

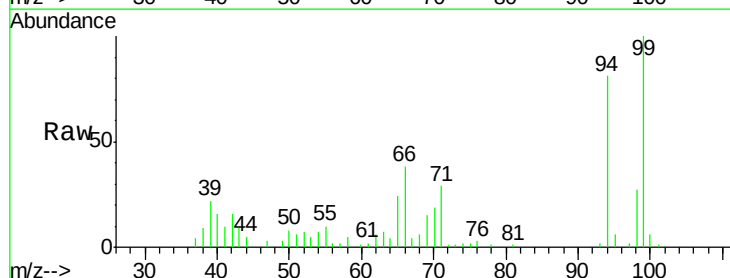
Tgt Ion: 94 Resp: 14162

Ion Ratio Lower Upper

94 100

65 29.8 7.9 47.9

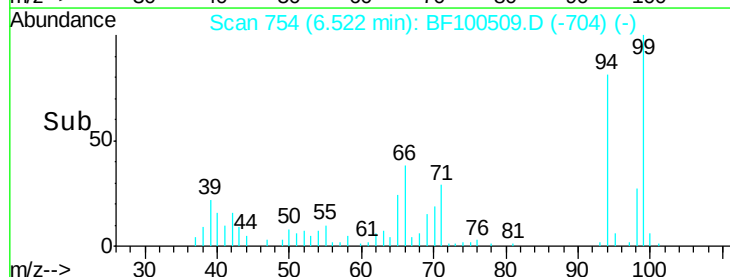
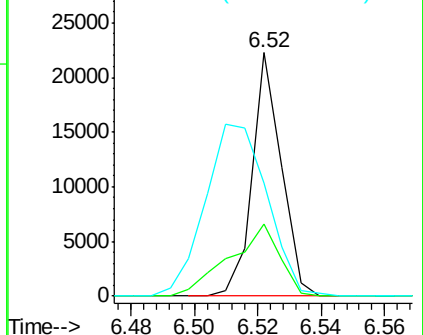
66 46.6 16.2 56.2

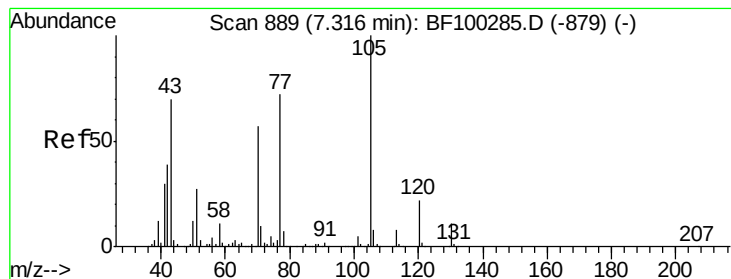


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





#19

n-Nitroso-di-n-propylamine

Concen: 5.99 ng

RT: 7.45 min Scan# 912

Delta R.T. 0.15 min

Lab File: BF100509.D

Acq: 13 Nov 2017 18:13

Instrument :

BNA_F

ClientSampleId :

JC-02-110917-DMS

Tgt Ion: 70 Resp: 26991

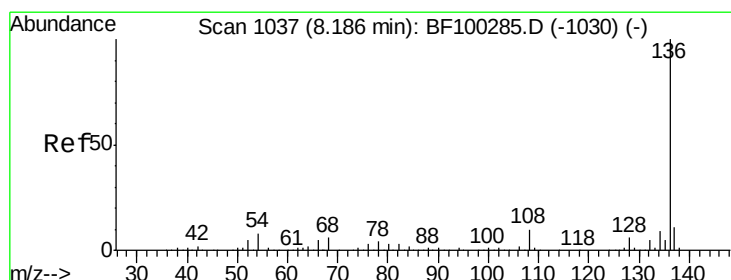
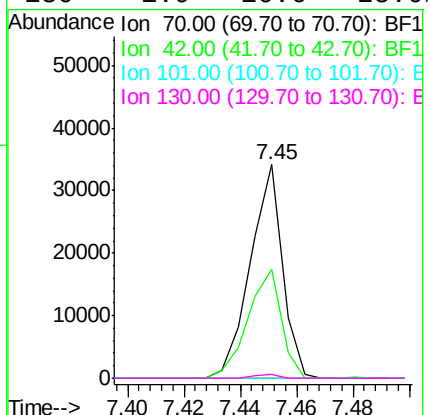
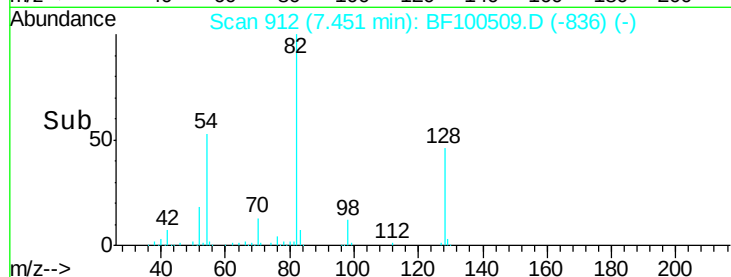
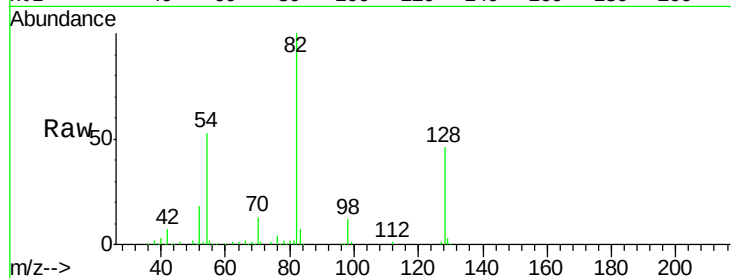
Ion Ratio Lower Upper

70 100

42 50.9 47.5 71.3

101 0.0 7.4 11.2#

130 1.9 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: BF100509.D

Acq: 13 Nov 2017 18:13

Tgt Ion: 136 Resp: 316586

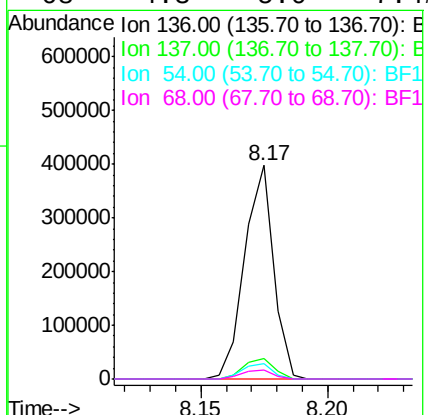
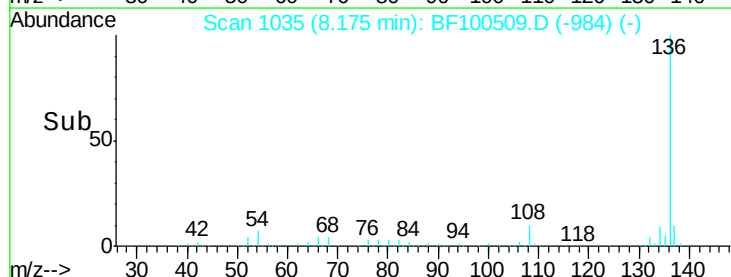
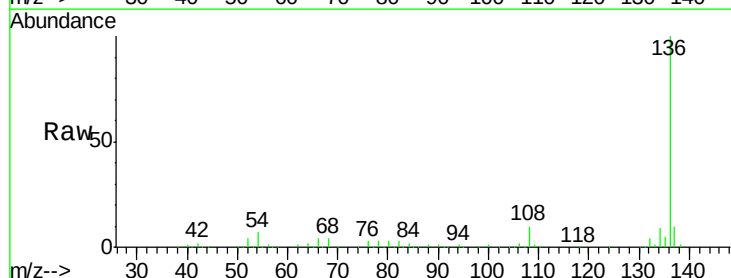
Ion Ratio Lower Upper

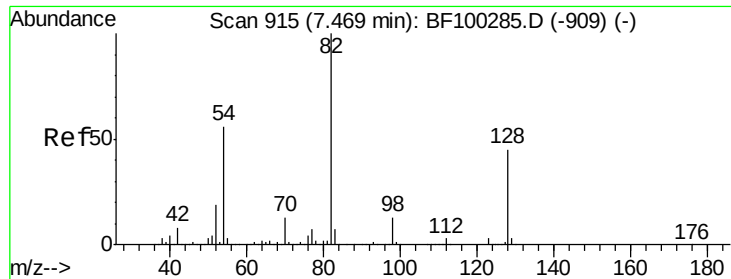
136 100

137 9.9 8.9 13.3

54 7.0 6.6 9.8

68 4.3 5.0 7.4#

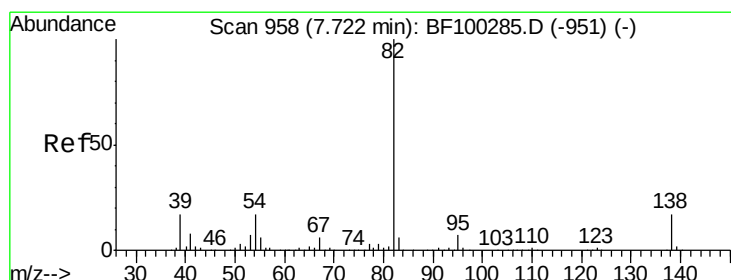
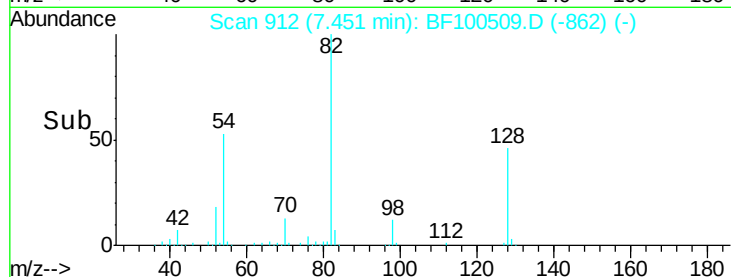
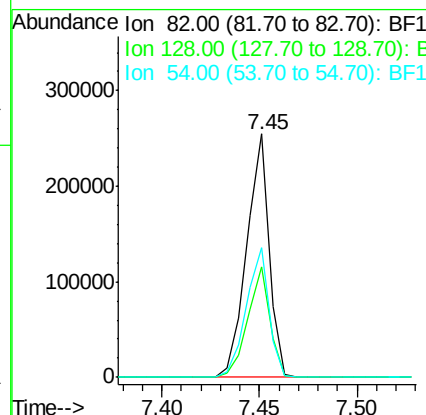
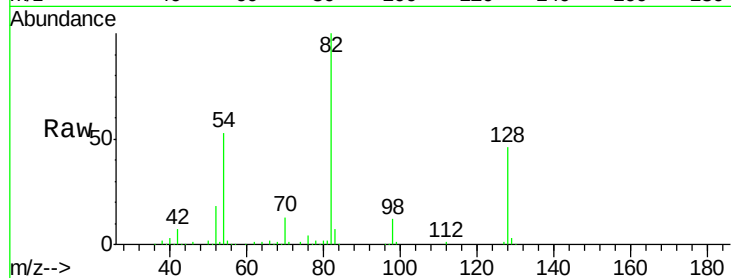




#23
 Nitrobenzene-d5
 Concen: 42.47 ng
 RT: 7.45 min Scan# 912
 Delta R.T. -0.01 min
 Lab File: BF100509.D
 Acq: 13 Nov 2017 18:13

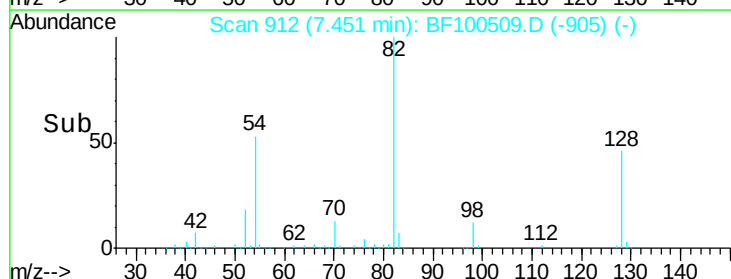
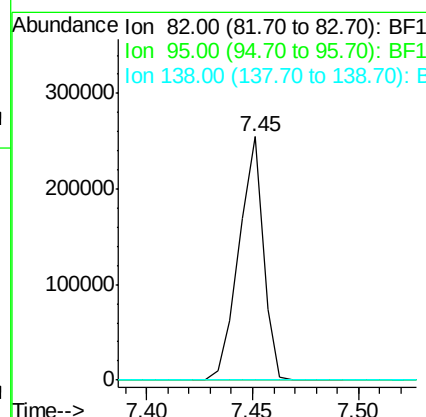
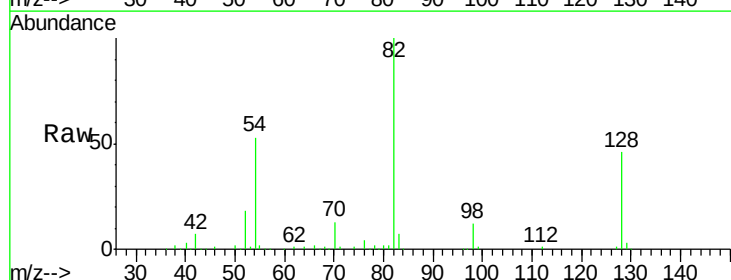
Instrument :
 BNA_F
 ClientSampleId :
 JC-02-110917-DMS

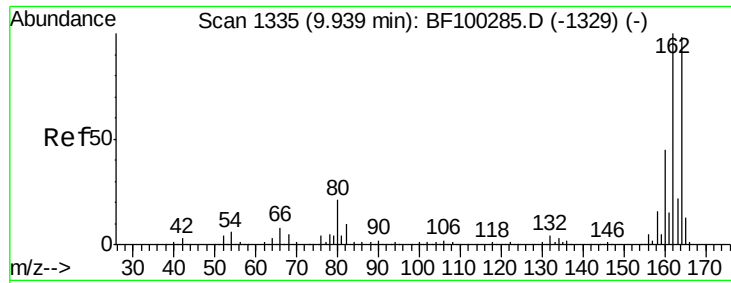
Tgt Ion	Ratio	Lower	Upper
82	100		
128	45.5	36.1	54.1
54	53.3	41.4	62.2



#25
 Isophorone
 Concen: 20.21 ng
 RT: 7.45 min Scan# 912
 Delta R.T. -0.26 min
 Lab File: BF100509.D
 Acq: 13 Nov 2017 18:13

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

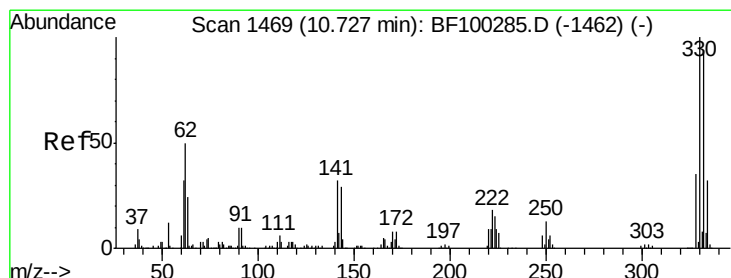
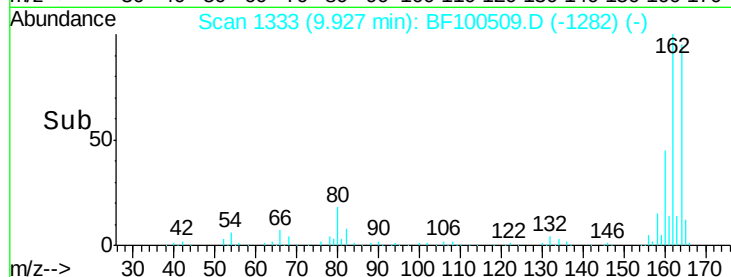
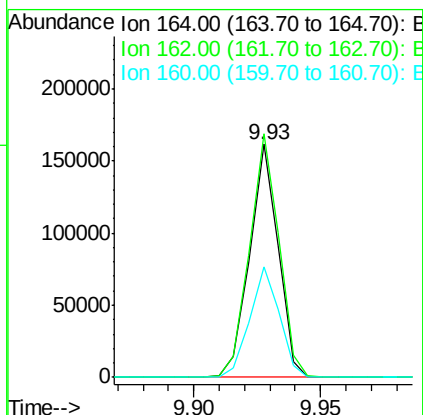
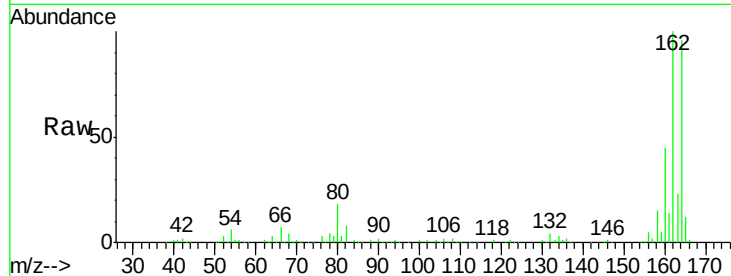




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.93 min Scan# 1333
 Delta R.T. 0.00 min
 Lab File: BF100509.D
 Acq: 13 Nov 2017 18:13

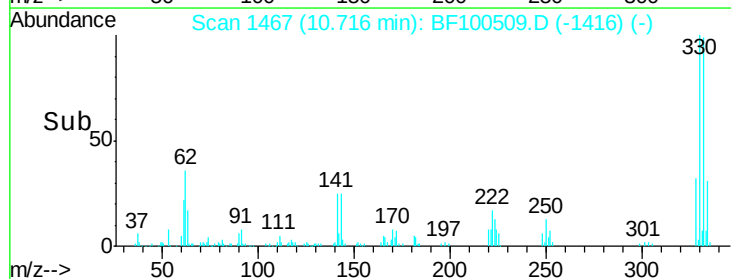
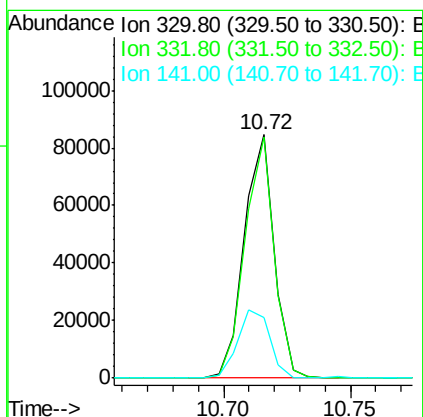
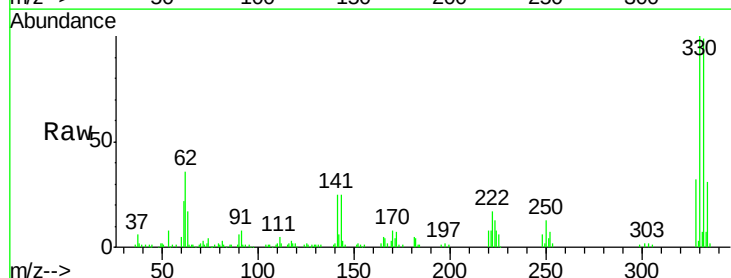
Instrument :
 BNA_F
 ClientSampleId :
 JC-02-110917-DMS

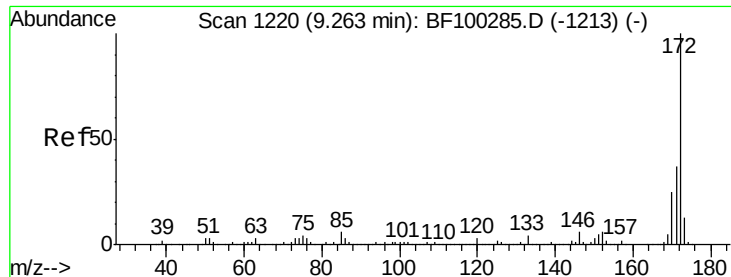
Tgt Ion:164 Resp: 126759
 Ion Ratio Lower Upper
 164 100
 162 104.5 86.1 129.1
 160 47.5 38.3 57.5



#41
 2,4,6-Tribromophenol
 Concen: 53.64 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: BF100509.D
 Acq: 13 Nov 2017 18:13

Tgt Ion:330 Resp: 69280
 Ion Ratio Lower Upper
 330 100
 332 96.7 77.0 115.6
 141 30.3 29.9 44.9

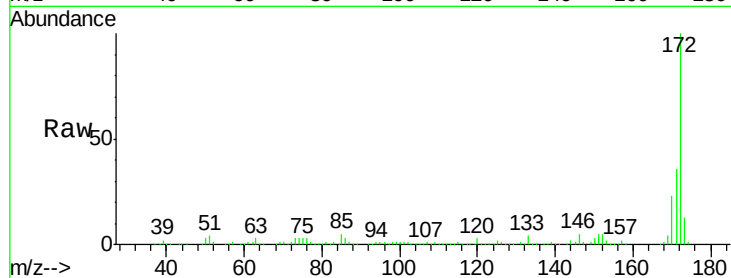




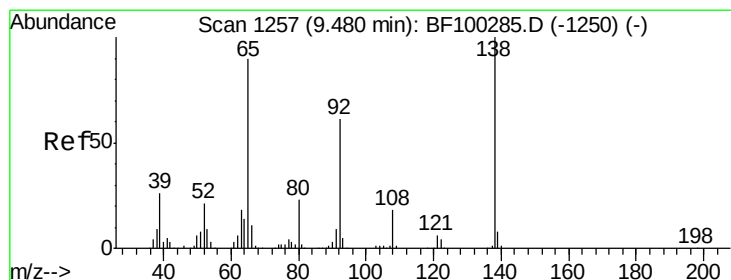
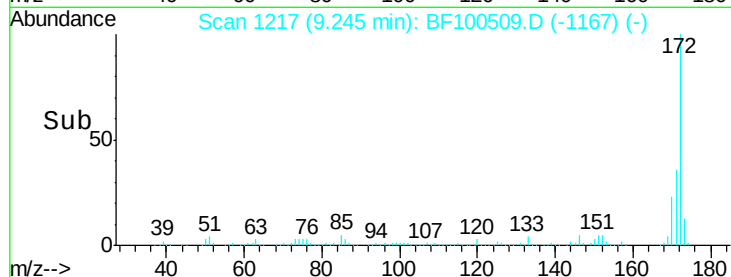
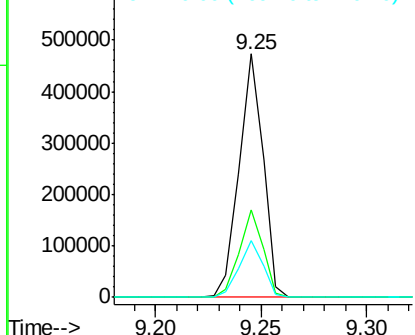
#44
2-Fluorobiphenyl
Concen: 44.67 ng
RT: 9.25 min Scan# 1217
Delta R.T. -0.01 min
Lab File: BF100509.D
Acq: 13 Nov 2017 18:13

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

Tgt Ion: 172 Resp: 371830
Ion Ratio Lower Upper
172 100
171 35.8 29.7 44.5
170 23.2 19.6 29.4

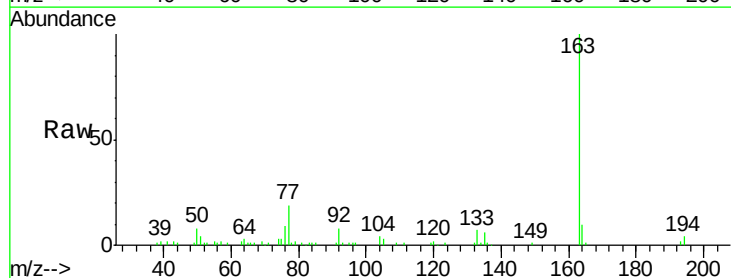


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

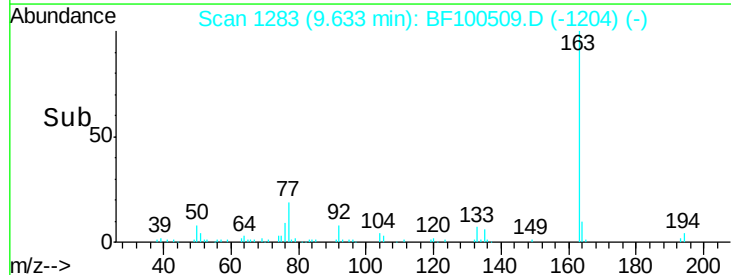
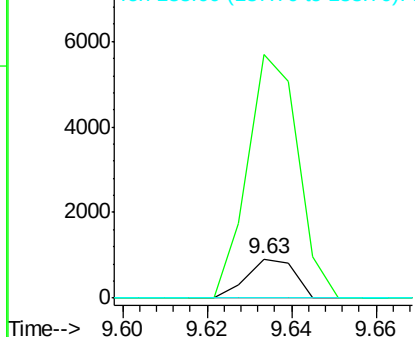


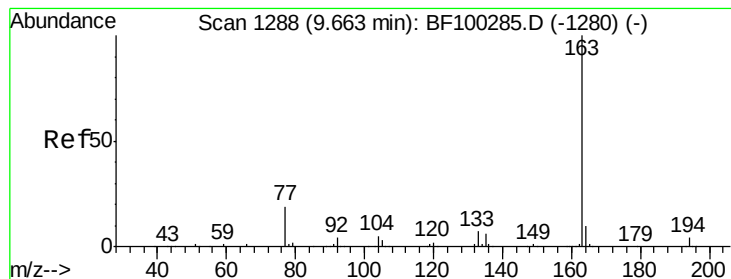
#47
2-Nitroaniline
Concen: 3.07 ng
RT: 9.63 min Scan# 1283
Delta R.T. 0.16 min
Lab File: BF100509.D
Acq: 13 Nov 2017 18:13

Tgt Ion: 65 Resp: 716
Ion Ratio Lower Upper
65 100
92 624.0 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: 6.32 ng

RT: 9.64 min Scan# 1284

Delta R.T. -0.01 min

Lab File: BF100509.D

Acq: 13 Nov 2017 18:13

Instrument :

BNA_F

ClientSampleId :

JC-02-110917-DMS

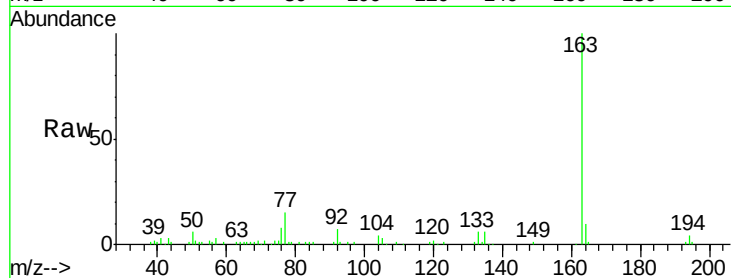
Tgt Ion:163 Resp: 61150

Ion Ratio Lower Upper

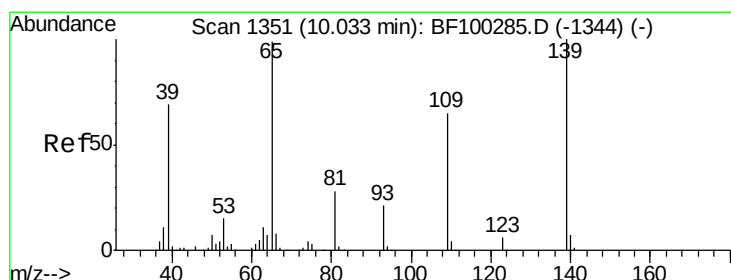
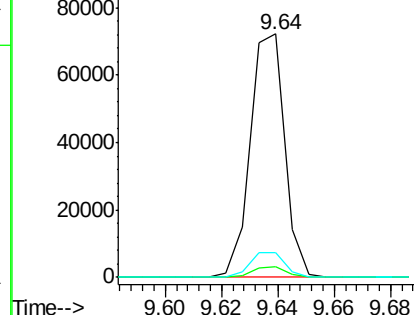
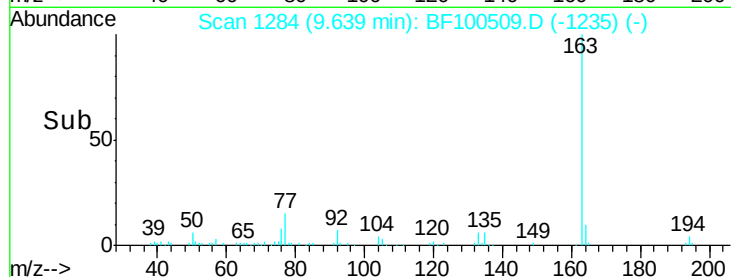
163 100

194 4.4 2.7 4.1#

164 10.0 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



#55

4-Nitrophenol

Concen: 2.22 ng

RT: 10.13 min Scan# 1368

Delta R.T. 0.11 min

Lab File: BF100509.D

Acq: 13 Nov 2017 18:13

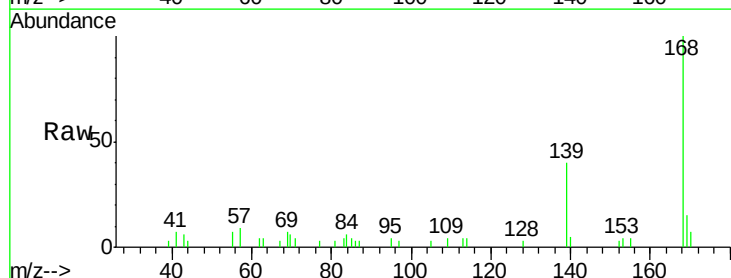
Tgt Ion:139 Resp: 4078

Ion Ratio Lower Upper

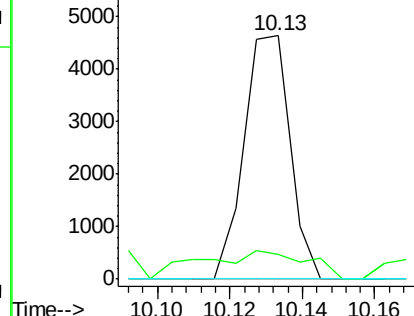
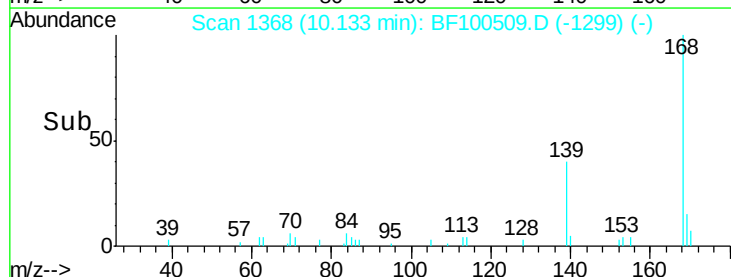
139 100

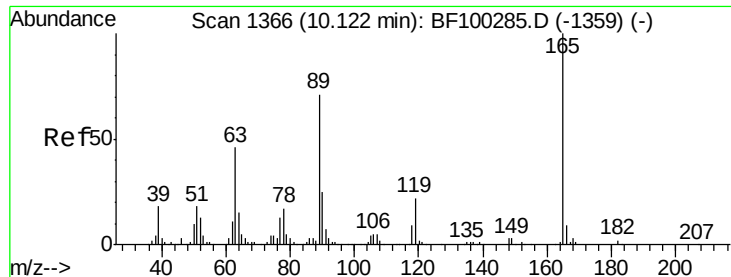
109 10.0 48.4 88.4#

65 0.0 72.6 112.6#



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

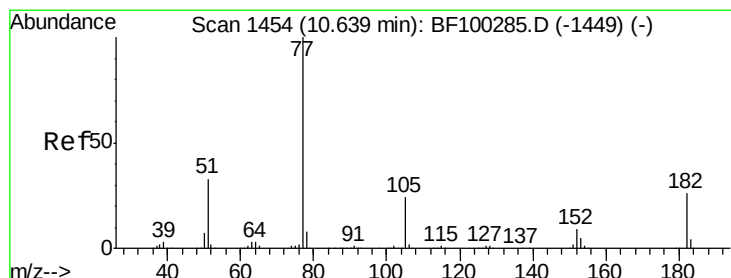
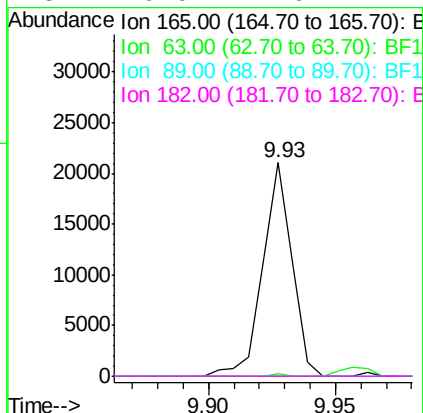
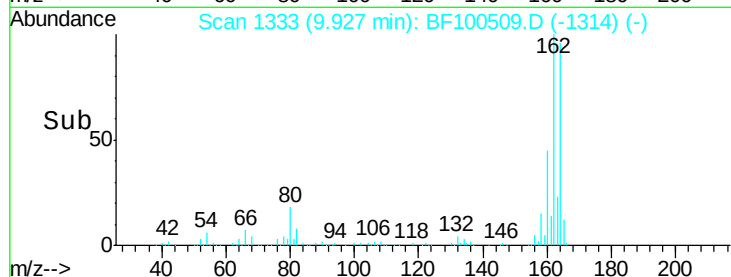
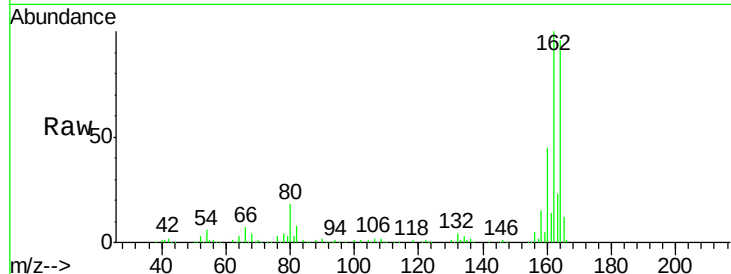




#56
 2,4-Dinitrotoluene
 Concen: 7.01 ng
 RT: 9.93 min Scan# 1333
 Delta R.T. -0.19 min
 Lab File: BF100509.D
 Acq: 13 Nov 2017 18:13

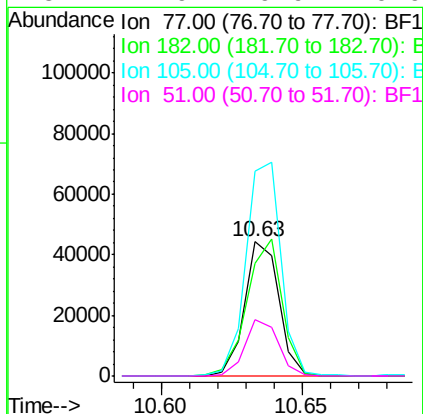
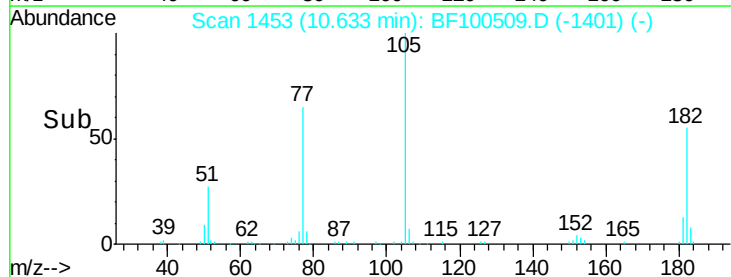
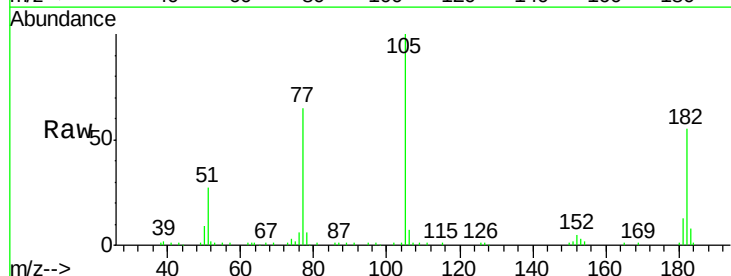
Instrument :
 BNA_F
 ClientSampleId :
 JC-02-110917-DMS

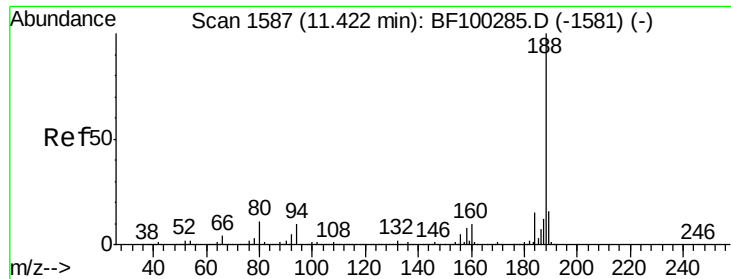
Tgt Ion:	165	Resp:	16953
Ion	Ratio	Lower	Upper
165	100		
63	1.5	36.4	54.6#
89	0.0	57.8	86.6#
182	0.0	1.6	2.4#



#62
 Azobenzene
 Concen: 4.08 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. 0.01 min
 Lab File: BF100509.D
 Acq: 13 Nov 2017 18:13

Tgt Ion:	77	Resp:	37211
Ion	Ratio	Lower	Upper
77	100		
182	84.4	1.7	41.7#
105	152.8	3.0	43.0#
51	41.9	9.9	49.9

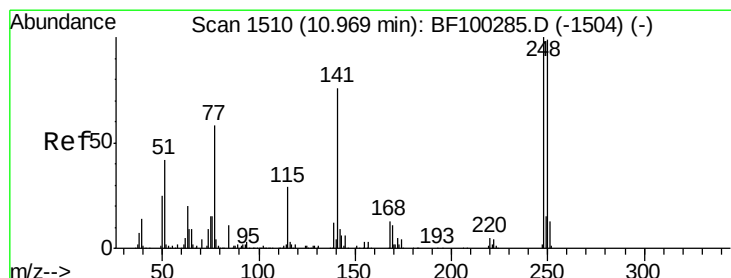
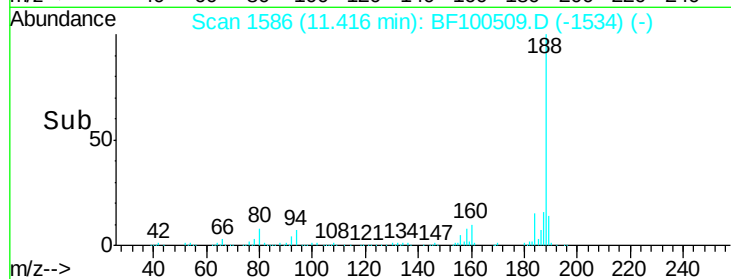
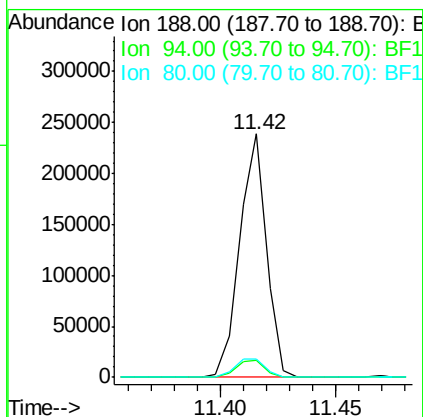
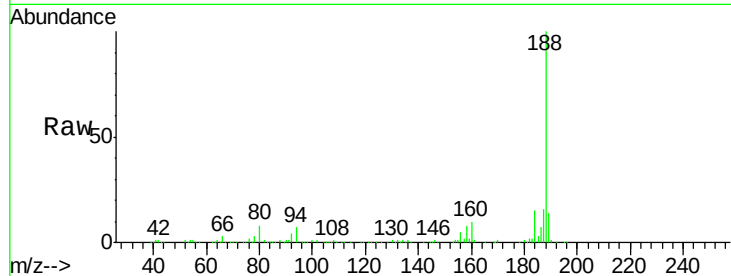




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.42 min Scan# 1586
Delta R.T. 0.01 min
Lab File: BF100509.D
Acq: 13 Nov 2017 18:13

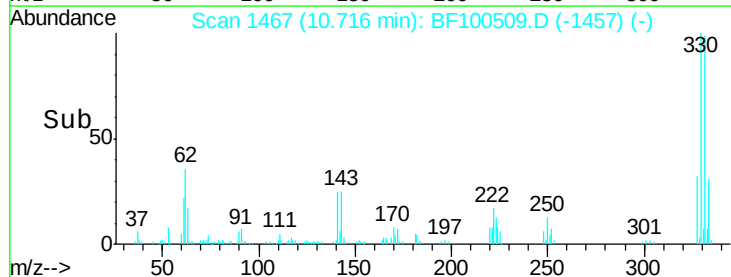
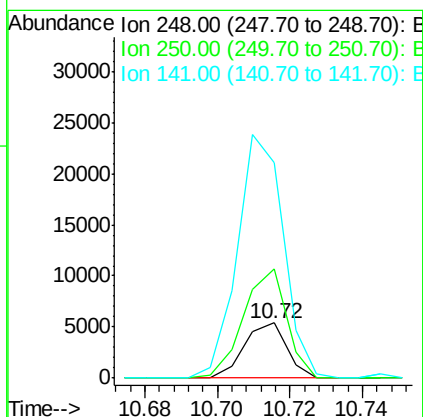
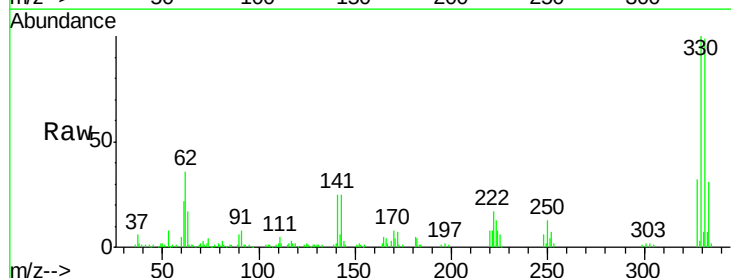
Instrument :
BNA_F
ClientSampleId :
JC-02-110917-DMS

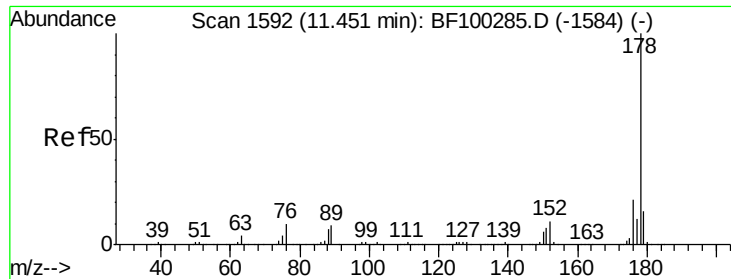
Tgt Ion:188 Resp: 193688
Ion Ratio Lower Upper
188 100
94 6.9 8.5 12.7#
80 7.7 9.2 13.8#



#66
4-Bromophenyl-phenylether
Concen: 2.11 ng
RT: 10.72 min Scan# 1467
Delta R.T. -0.24 min
Lab File: BF100509.D
Acq: 13 Nov 2017 18:13

Tgt Ion:248 Resp: 4376
Ion Ratio Lower Upper
248 100
250 196.3 76.9 115.3#
141 387.9 74.4 111.6#

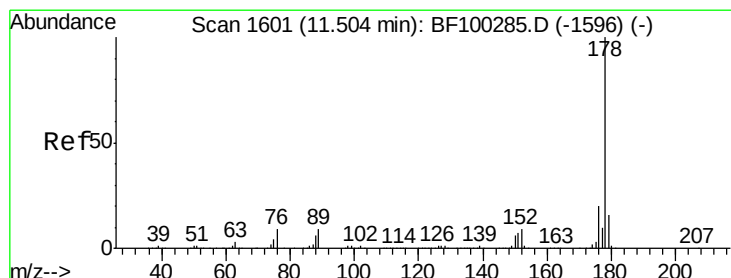
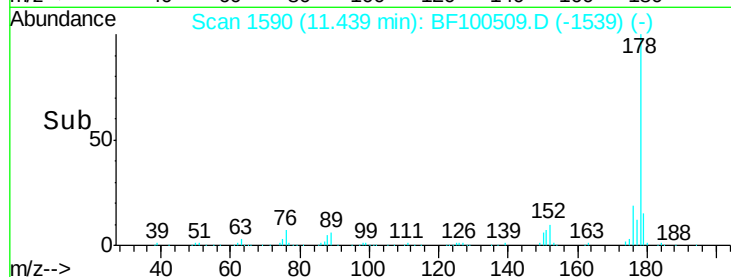
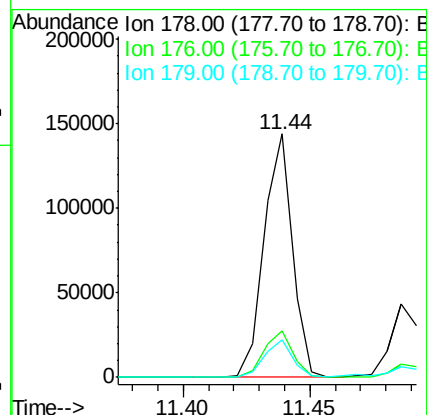
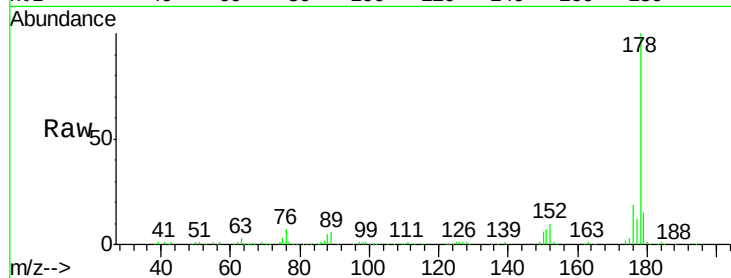




#70
Phenanthrene
Concen: 11.11 ng
RT: 11.44 min Scan# 1590
Delta R.T. 0.00 min
Lab File: BF100509.D
Acq: 13 Nov 2017 18:13

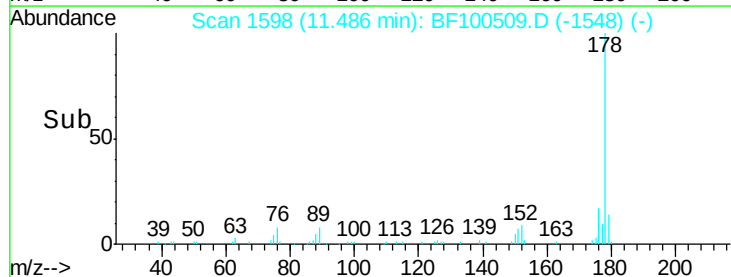
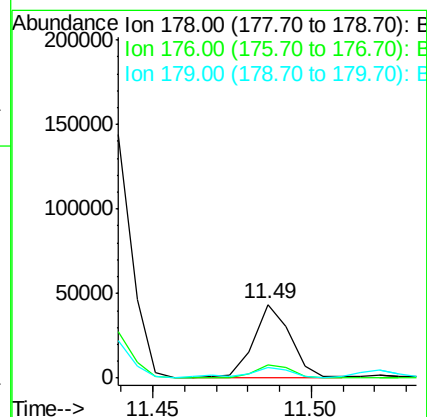
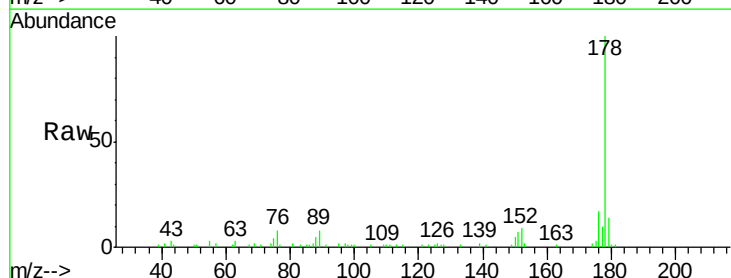
Instrument :
BNA_F
ClientSampleId :
JC-02-110917-DMS

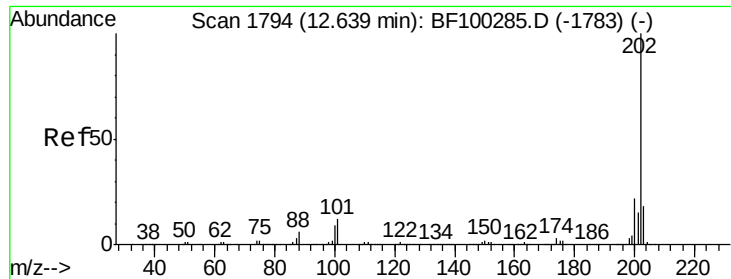
Tgt Ion:178 Resp: 113309
Ion Ratio Lower Upper
178 100
176 19.3 15.8 23.8
179 15.4 13.0 19.6



#71
Anthracene
Concen: 3.34 ng
RT: 11.49 min Scan# 1598
Delta R.T. -0.01 min
Lab File: BF100509.D
Acq: 13 Nov 2017 18:13

Tgt Ion:178 Resp: 34529
Ion Ratio Lower Upper
178 100
176 17.3 15.4 23.2
179 14.4 12.6 19.0





#74

Fluoranthene

Concen: 17.62 ng

RT: 12.63 min Scan# 1792

Delta R.T. 0.00 min

Lab File: BF100509.D

Acq: 13 Nov 2017 18:13

Instrument :

BNA_F

ClientSampleId :

JC-02-110917-DMS

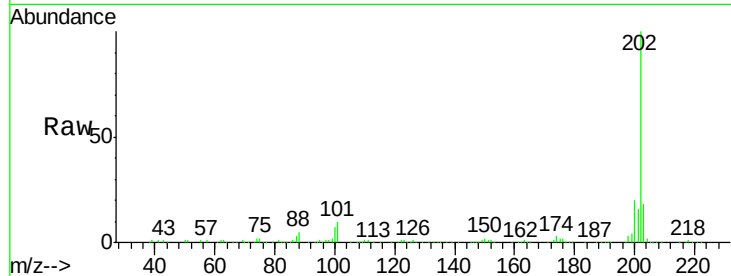
Tgt Ion:202 Resp: 190448

Ion Ratio Lower Upper

202 100

101 9.8 0.0 34.1

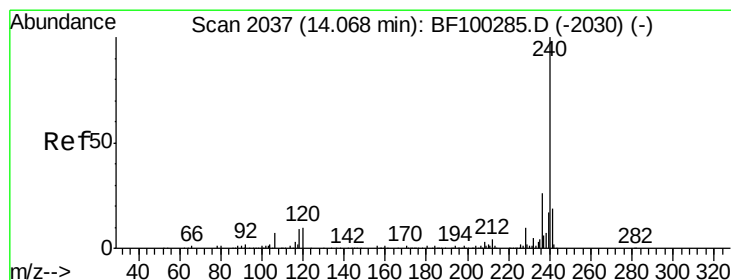
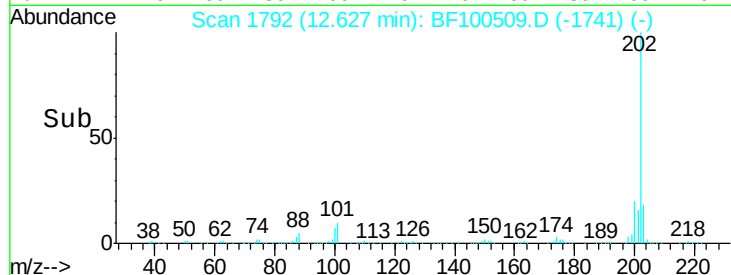
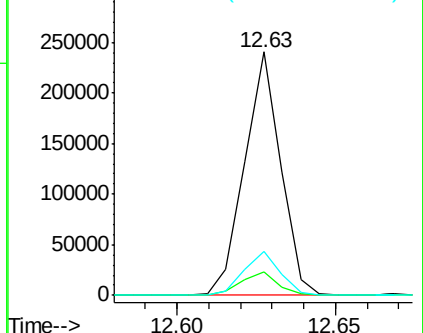
203 18.0 0.0 38.1



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: 14.06 min Scan# 2035

Delta R.T. 0.01 min

Lab File: BF100509.D

Acq: 13 Nov 2017 18:13

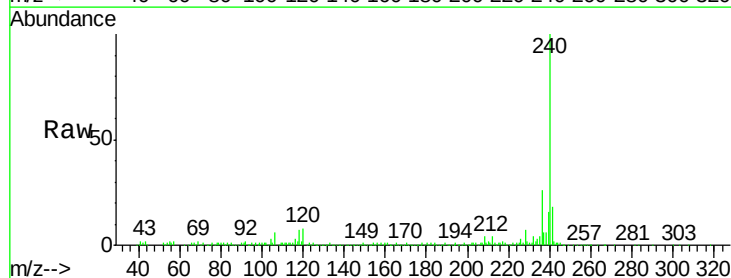
Tgt Ion:240 Resp: 182931

Ion Ratio Lower Upper

240 100

120 8.3 9.5 14.3#

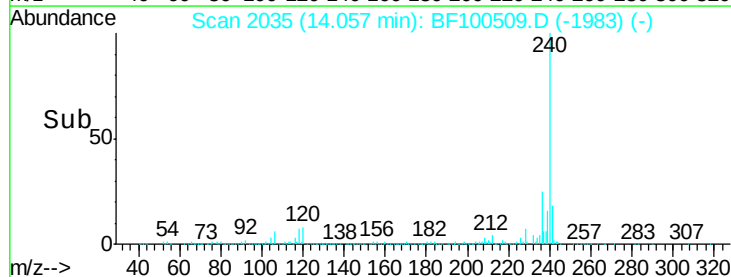
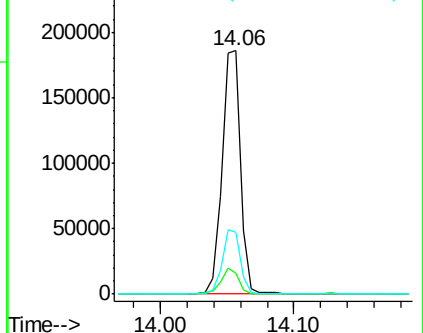
236 25.6 20.7 31.1

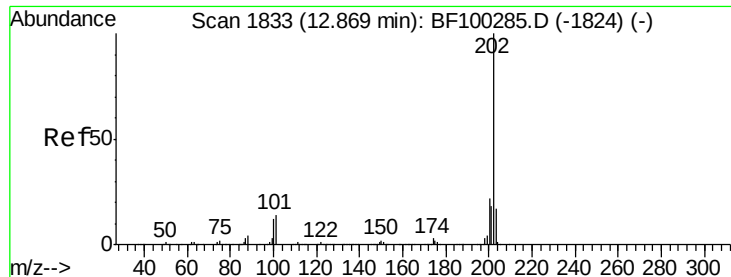


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 13.48 ng

RT: 12.86 min Scan# 1831

Delta R.T. 0.00 min

Lab File: BF100509.D

Acq: 13 Nov 2017 18:13

Instrument :

BNA_F

ClientSampleId :

JC-02-110917-DMS

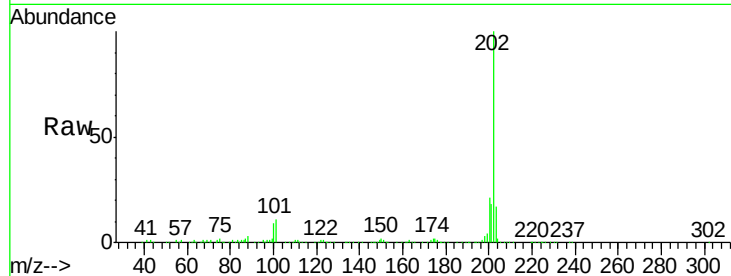
Tgt Ion:202 Resp: 175844

Ion Ratio Lower Upper

202 100

200 21.0 17.4 26.2

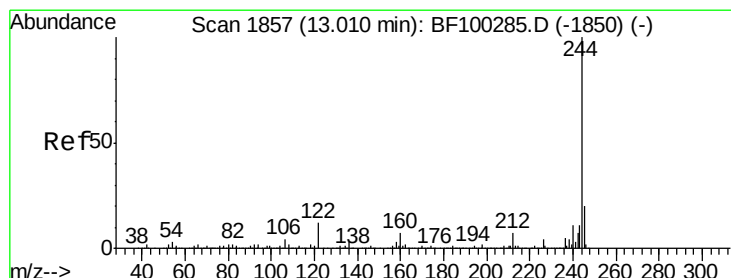
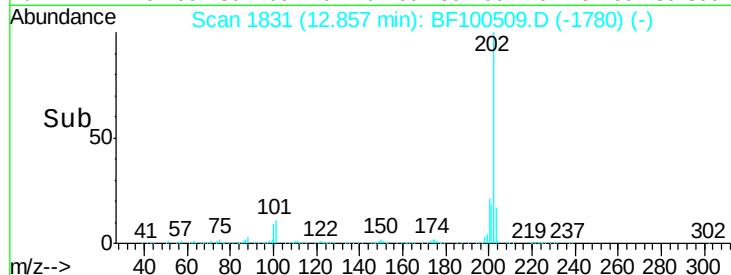
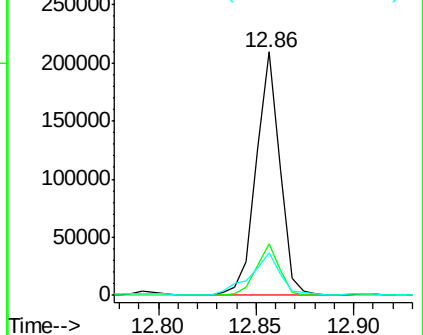
203 17.4 14.3 21.5



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: 30.92 ng

RT: 13.00 min Scan# 1855

Delta R.T. 0.00 min

Lab File: BF100509.D

Acq: 13 Nov 2017 18:13

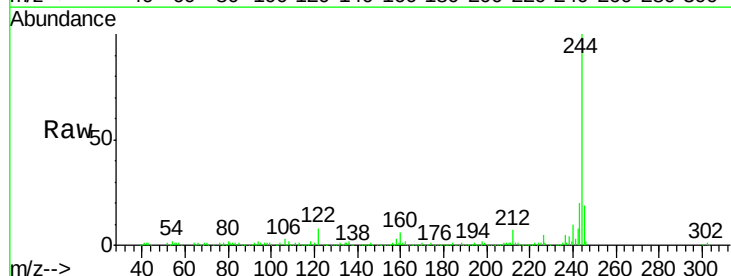
Tgt Ion:244 Resp: 246189

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

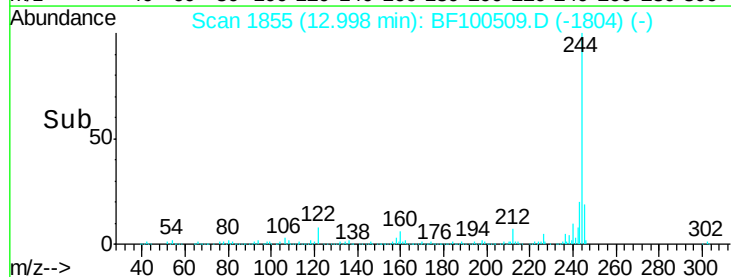
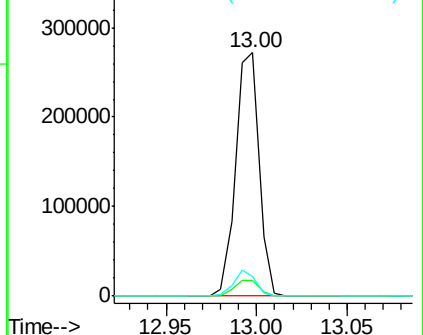
122 8.2 11.0 16.4#

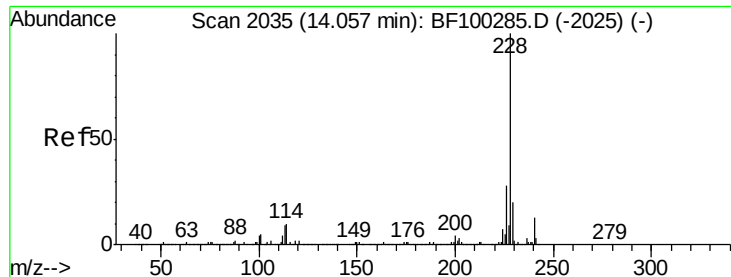


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 8.00 ng

RT: 14.08 min Scan# 2039

Delta R.T. 0.04 min

Lab File: BF100509.D

Acq: 13 Nov 2017 18:13

Instrument :

BNA_F

ClientSampleId :

JC-02-110917-DMS

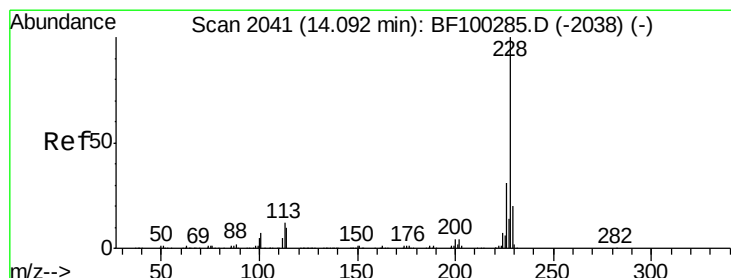
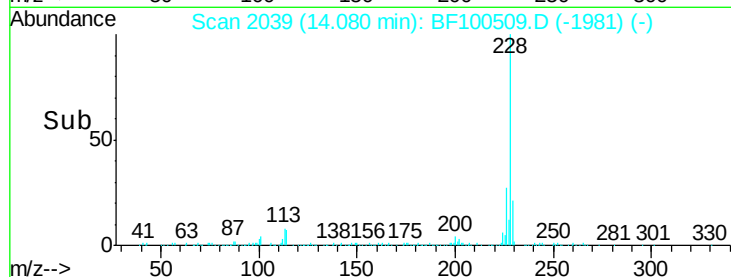
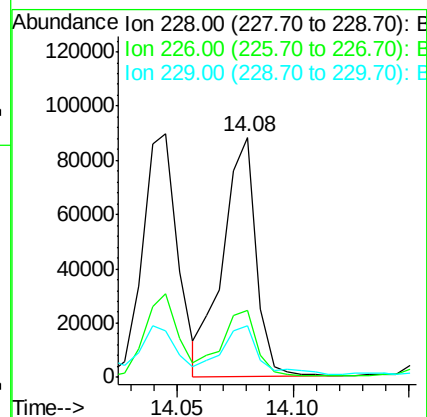
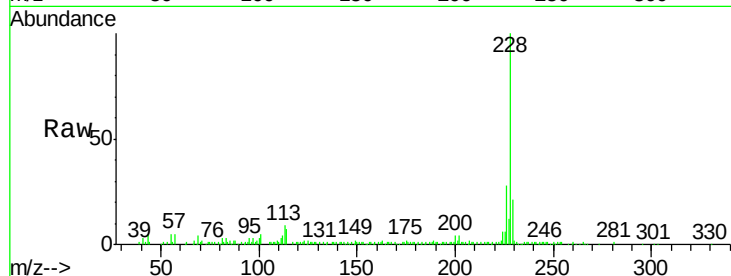
Tgt Ion:228 Resp: 88148

Ion Ratio Lower Upper

228 100

226 27.8 22.6 33.8

229 21.5 15.8 23.6



#82

Chrysene

Concen: 8.26 ng

RT: 14.08 min Scan# 2039

Delta R.T. 0.00 min

Lab File: BF100509.D

Acq: 13 Nov 2017 18:13

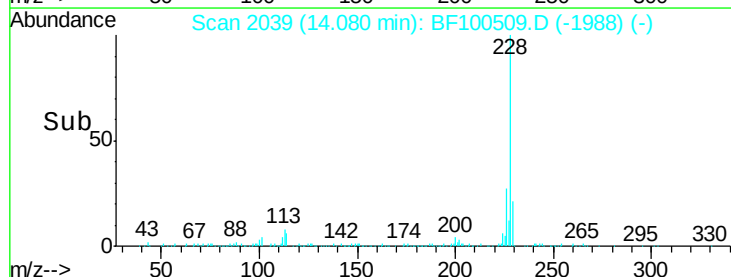
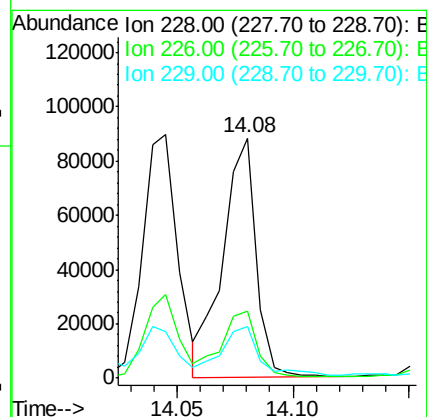
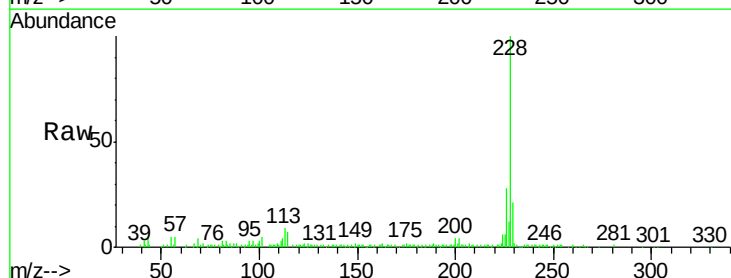
Tgt Ion:228 Resp: 88148

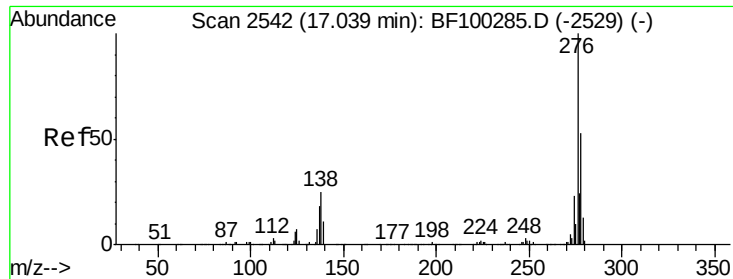
Ion Ratio Lower Upper

228 100

226 27.8 25.0 37.6

229 21.5 16.2 24.4

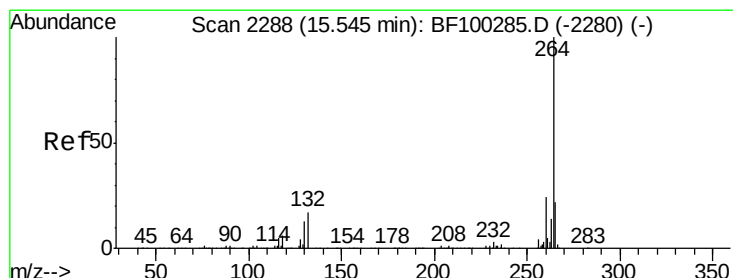
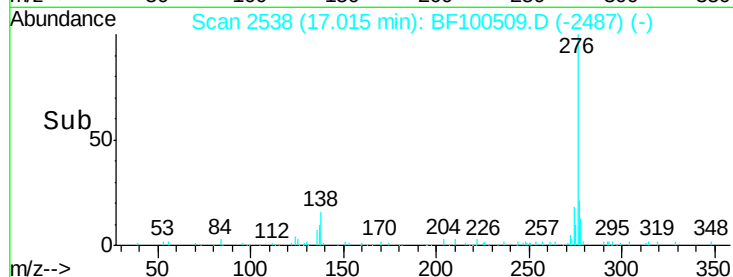
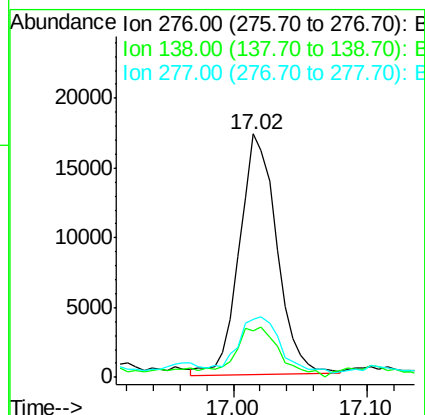
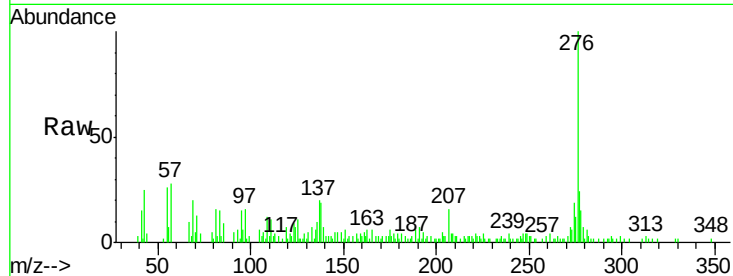




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.88 ng
 RT: 17.02 min Scan# 2538
 Delta R.T. 0.00 min
 Lab File: BF100509.D
 Acq: 13 Nov 2017 18:13

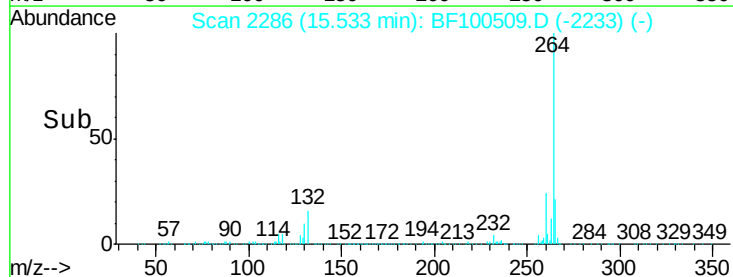
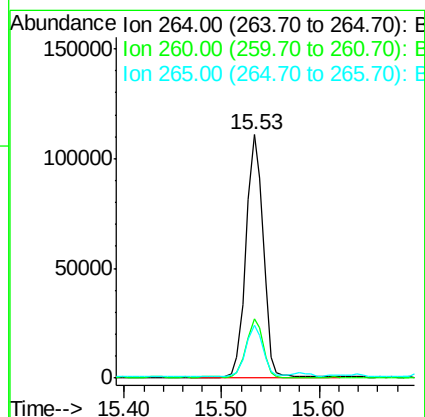
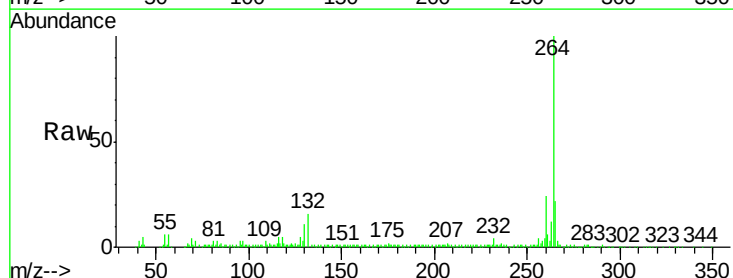
Instrument :
 BNA_F
 ClientSampleId :
 JC-02-110917-DMS

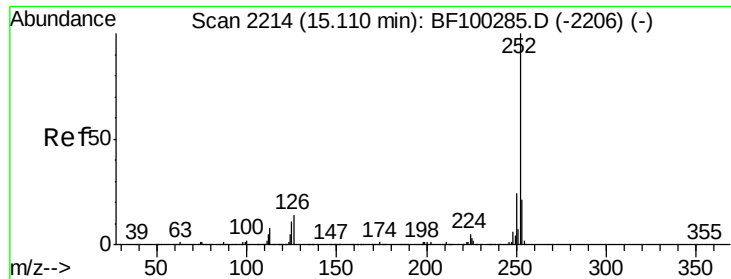
Tgt Ion:276 Resp: 33459
 Ion Ratio Lower Upper
 276 100
 138 24.2 25.0 37.6#
 277 26.3 20.1 30.1



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.53 min Scan# 2286
 Delta R.T. 0.01 min
 Lab File: BF100509.D
 Acq: 13 Nov 2017 18:13

Tgt Ion:264 Resp: 139465
 Ion Ratio Lower Upper
 264 100
 260 24.2 19.2 28.8
 265 21.7 17.5 26.3





#87

Benzo(b)fluoranthene

Concen: 14.06 ng

RT: 15.10 min Scan# 2212

Delta R.T. 0.01 min

Lab File: BF100509.D

Acq: 13 Nov 2017 18:13

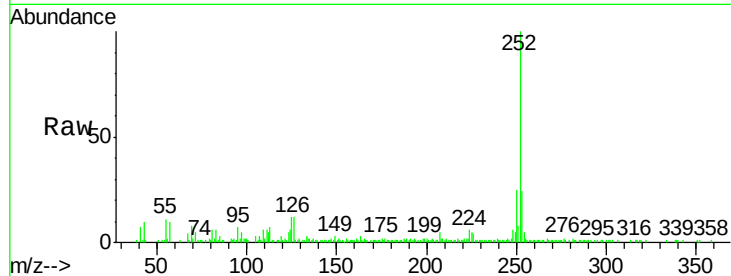
Instrument :

BNA_F

ClientSampleId :

JC-02-110917-DMS

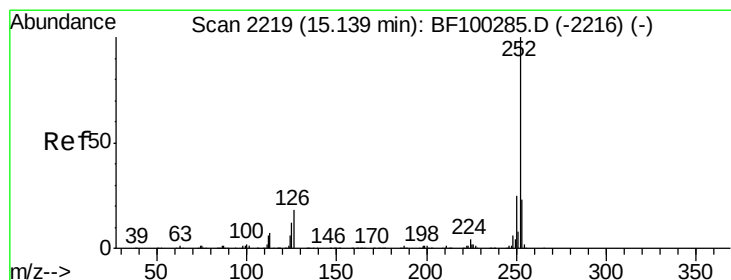
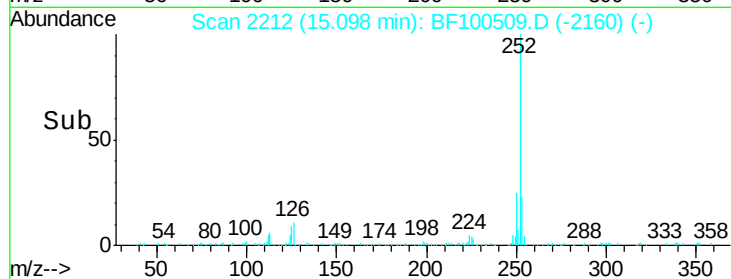
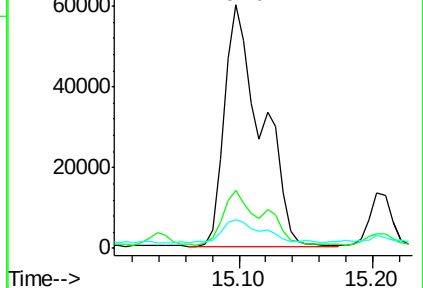
Tgt Ion:	252	Resp:	116166
Ion Ratio		Lower	Upper
252	100		
253	23.8	17.0	25.6
125	11.8	9.0	13.6



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



#88

Benzo(k)fluoranthene

Concen: 14.88 ng

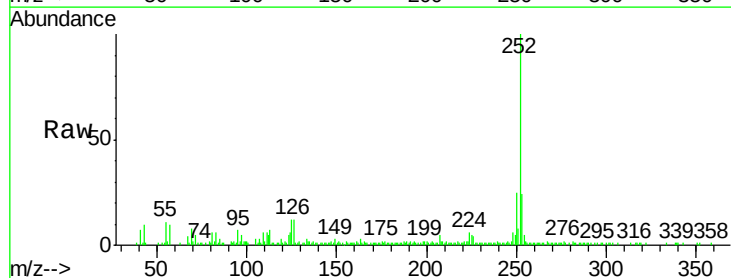
RT: 15.10 min Scan# 2212

Delta R.T. -0.03 min

Lab File: BF100509.D

Acq: 13 Nov 2017 18:13

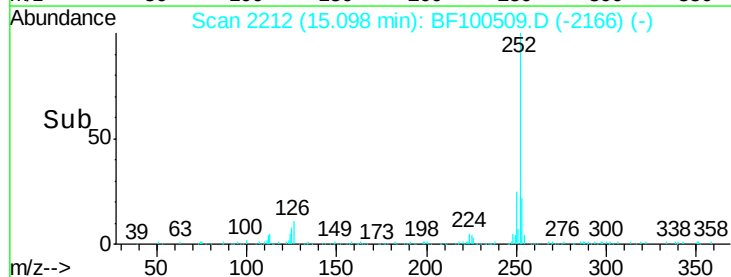
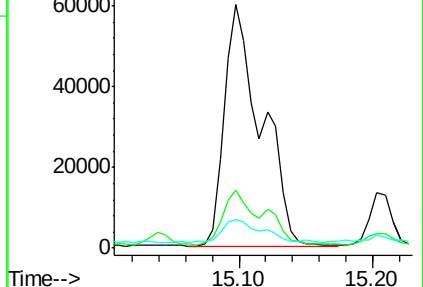
Tgt Ion:	252	Resp:	116166
Ion Ratio		Lower	Upper
252	100		
253	23.8	17.9	26.9
125	11.8	10.2	15.2

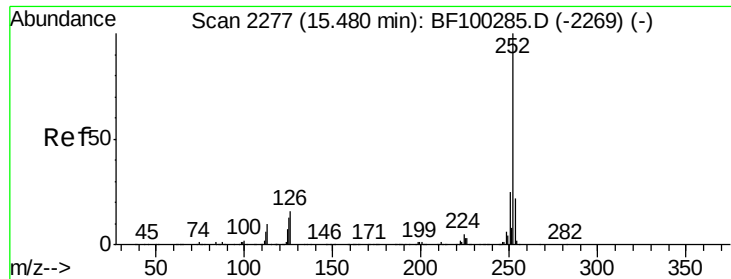


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 8.04 ng

RT: 15.47 min Scan# 2275

Delta R.T. 0.01 min

Lab File: BF100509.D

Acq: 13 Nov 2017 18:13

Instrument :

BNA_F

ClientSampleId :

JC-02-110917-DMS

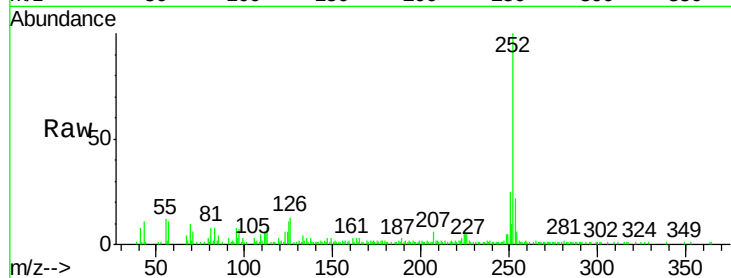
Tgt Ion:252 Resp: 58899

Ion Ratio Lower Upper

252 100

253 22.5 17.1 25.7

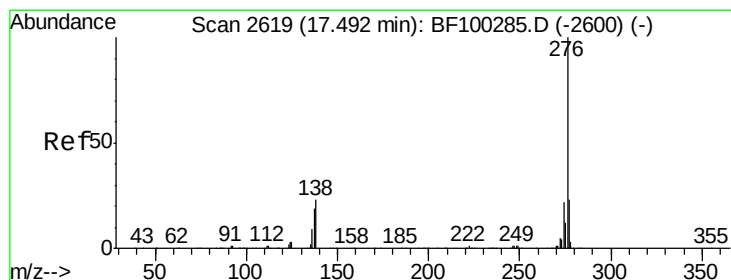
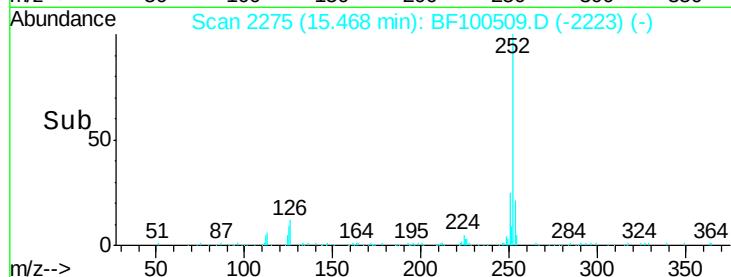
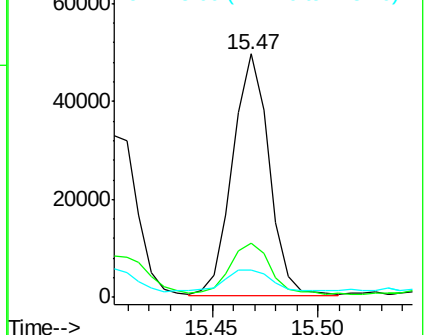
125 11.5 9.8 14.6



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: 6.24 ng

RT: 17.47 min Scan# 2615

Delta R.T. 0.01 min

Lab File: BF100509.D

Acq: 13 Nov 2017 18:13

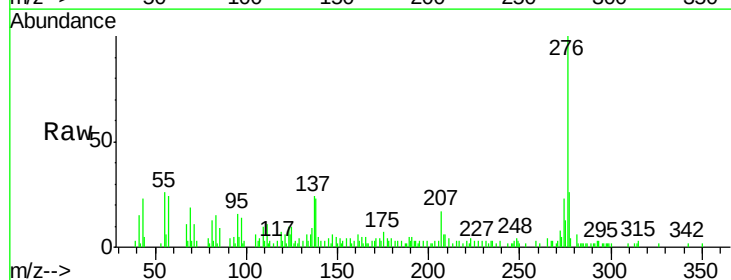
Tgt Ion:276 Resp: 36595

Ion Ratio Lower Upper

276 100

277 26.5 17.9 26.9

138 23.3 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

