

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110618\
 Data File : BF110530.D
 Acq On : 6 Nov 2018 22:07
 Operator : JU/SJ
 Sample : J5764-05 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 07 08:45:56 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 01 16:06:12 2018
 Response via : Initial Calibration

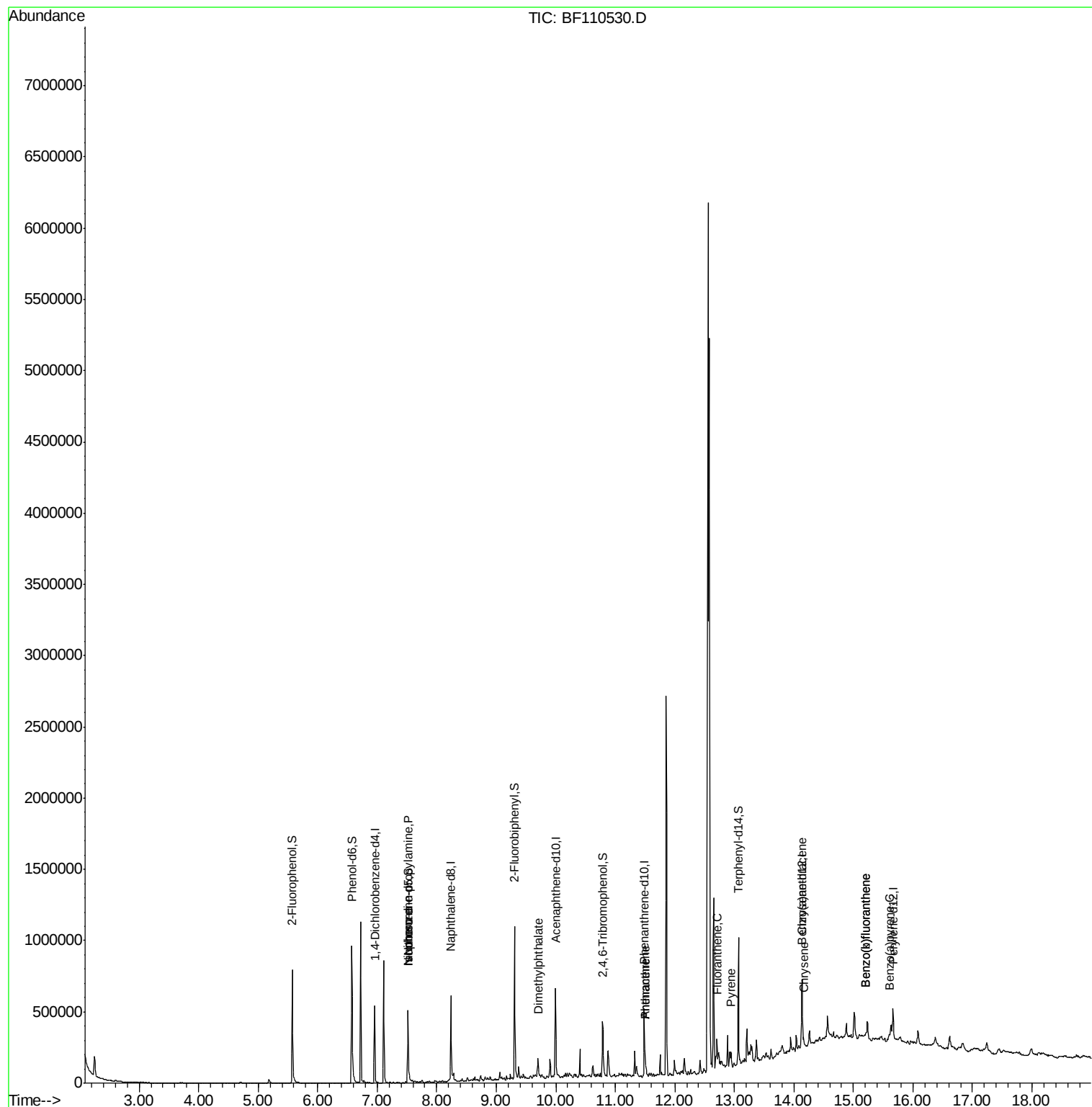
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	86786	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	329927	20.00	ng	0.00
39) Acenaphthene-d10	10.00	164	125354	20.00	ng	0.00
64) Phenanthrene-d10	11.49	188	198547	20.00	ng	0.00
76) Chrysene-d12	14.14	240	154645	20.00	ng	0.00
87) Perylene-d12	15.66	264	107560	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	254799	47.81	ng	0.00
7) Phenol-d6	6.57	99	330204	48.44	ng	0.00
23) Nitrobenzene-d5	7.52	82	188765	33.94	ng	0.00
42) 2,4,6-Tribromophenol	10.79	330	51487	41.46	ng	0.00
45) 2-Fluorobiphenyl	9.31	172	356539	44.66	ng	0.00
79) Terphenyl-d14	13.07	244	273760	36.82	ng	0.00
Target Compounds						
9) Benzaldehyde	6.57	77	449	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.52	70	25519	5.84	ng	# 82
25) Isophorone	7.52	82	188762	19.91	ng	# 67
50) Dimethylphthalate	9.70	163	44187	4.78	ng	100
71) Phenanthrene	11.52	178	24674	2.38	ng	98
72) Anthracene	11.52	178	24674	2.37	ng	98
75) Fluoranthene	12.71	202	41709	3.96	ng	99
77) Benzydine	12.83	184	128	Below Cal	#	1
78) Pyrene	12.94	202	39120	3.53	ng	98
81) Benzo(a)anthracene	14.13	228	20796	2.27	ng	93
83) Chrysene	14.16	228	18333	2.10	ng	95
88) Benzo(b)fluoranthene	15.21	252	21862	3.52	ng	# 62
89) Benzo(k)fluoranthene	15.21	252	21862	3.58	ng	# 61
90) Benzo(a)pyrene	15.60	252	14006	2.45	ng	# 77

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

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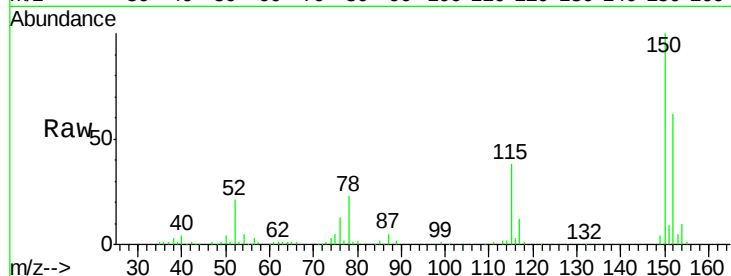




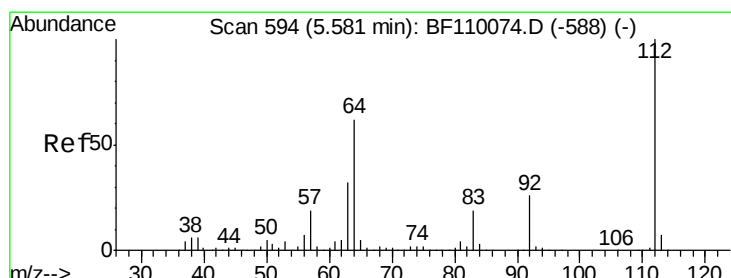
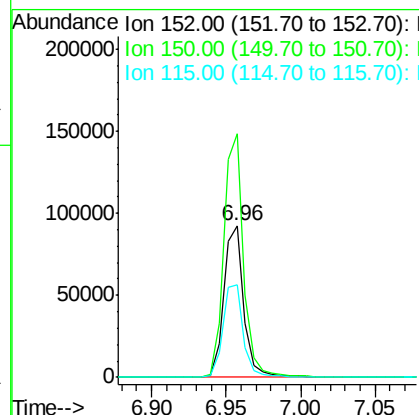
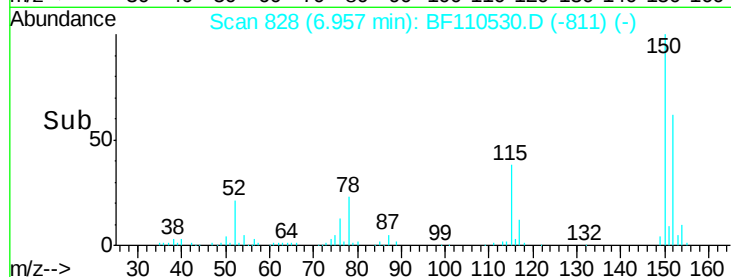
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.96 min Scan# 828
 Delta R.T. 0.00 min
 Lab File: BF110530.D
 Acq: 6 Nov 2018 22:07

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 86786
 Ion Ratio Lower Upper
 152 100
 150 160.6 122.7 184.1
 115 60.8 49.1 73.7

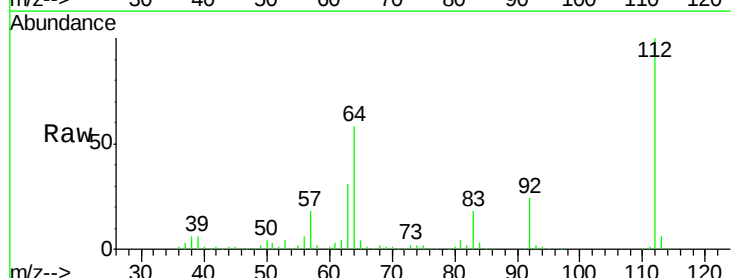


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

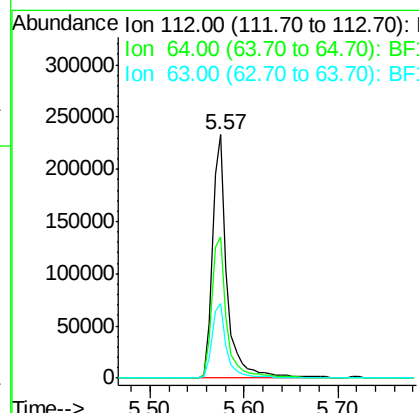
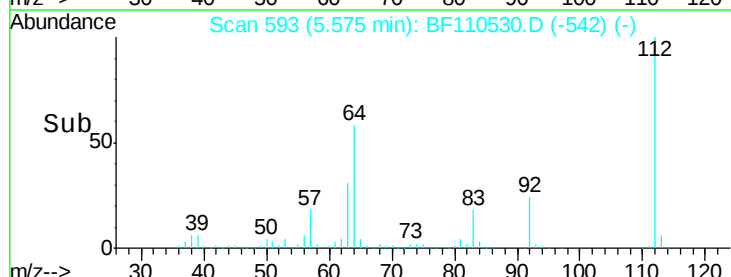


#5
 2-Fluorophenol
 Concen: 47.81 ng
 RT: 5.57 min Scan# 593
 Delta R.T. 0.00 min
 Lab File: BF110530.D
 Acq: 6 Nov 2018 22:07

Tgt Ion:112 Resp: 254799
 Ion Ratio Lower Upper
 112 100
 64 58.2 44.1 66.1
 63 30.6 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: 48.44 ng

RT: 6.57 min Scan# 763

Delta R.T. -0.01 min

Lab File: BF110530.D

Acq: 6 Nov 2018 22:07

Instrument :

BNA_F

ClientSampleId :

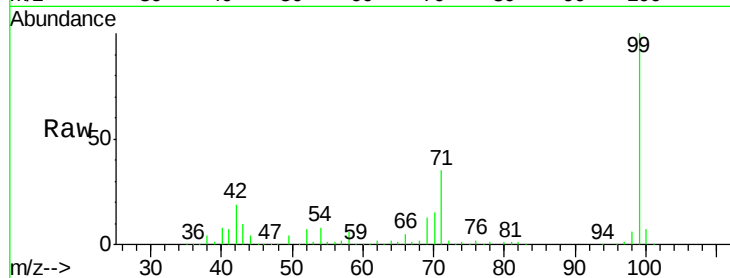
Tot Ion: 99 Resp: 330204

Ion Ratio Lower Upper

99 100

42 19.4 15.8 23.6

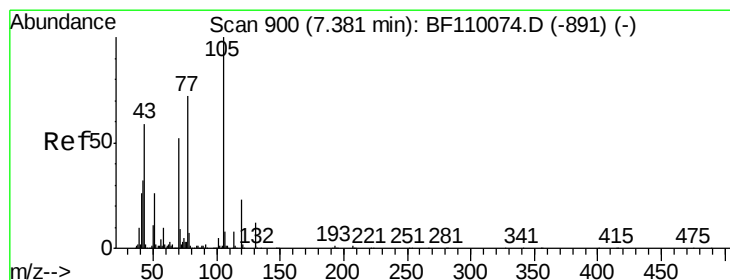
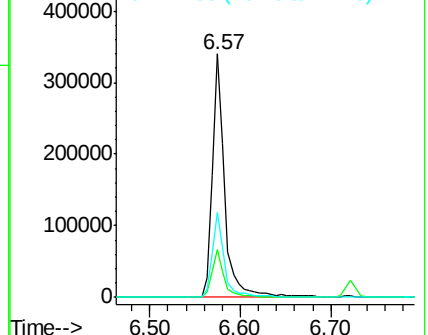
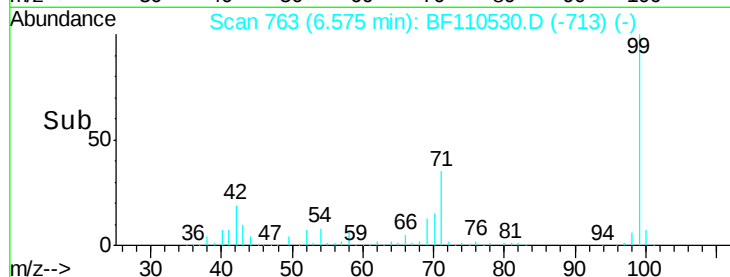
71 35.0 28.0 42.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 5.84 ng

RT: 7.52 min Scan# 923

Delta R.T. 0.15 min

Lab File: BF110530.D

Acq: 6 Nov 2018 22:07

Tgt Ion: 70 Resp: 25519

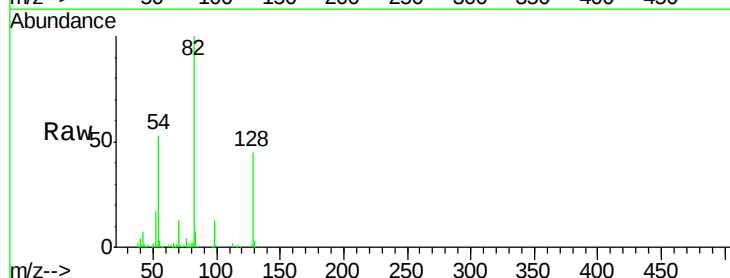
Ion Ratio Lower Upper

70 100

42 51.9 47.4 71.2

101 0.0 7.3 10.9#

130 2.9 16.2 24.2#

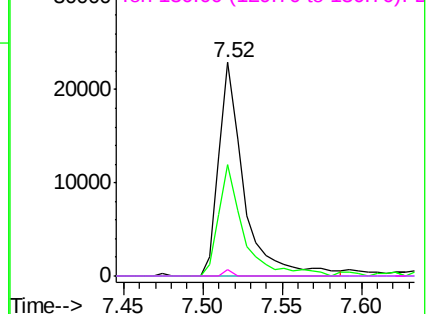
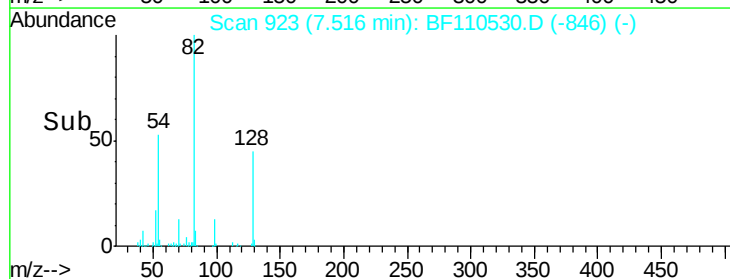


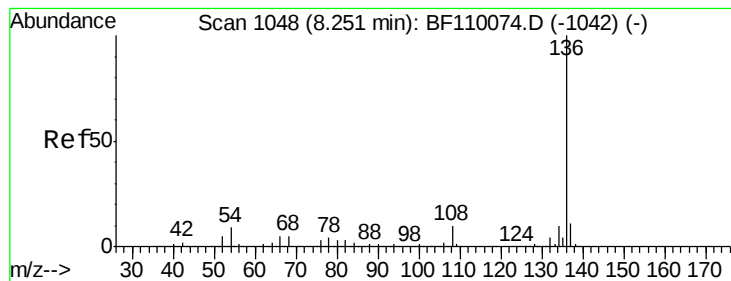
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.24 min Scan# 1046

Delta R.T. 0.00 min

Lab File: BF110530.D

Acq: 6 Nov 2018 22:07

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 329927

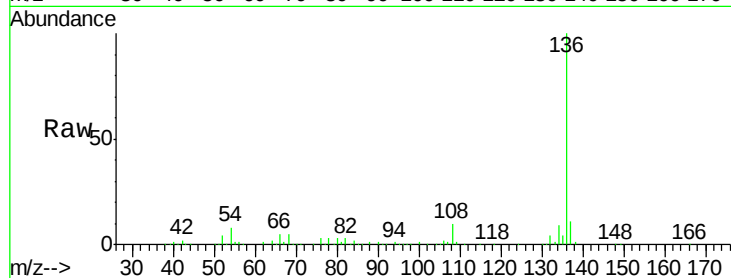
Ion Ratio Lower Upper

136 100

137 10.6 8.8 13.2

54 7.6 5.4 8.2

68 5.4 4.2 6.2

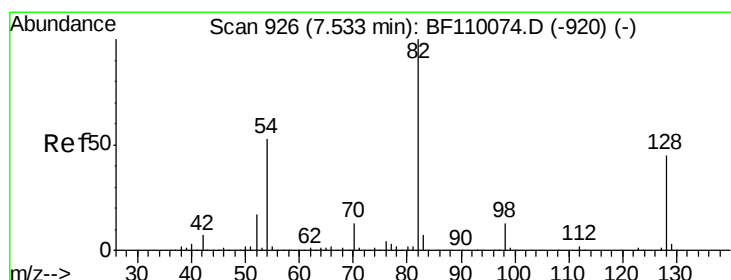
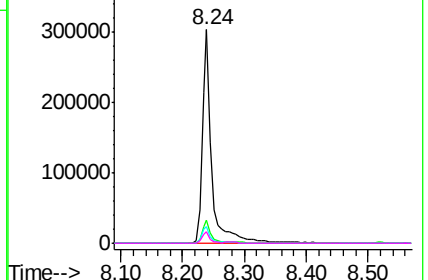
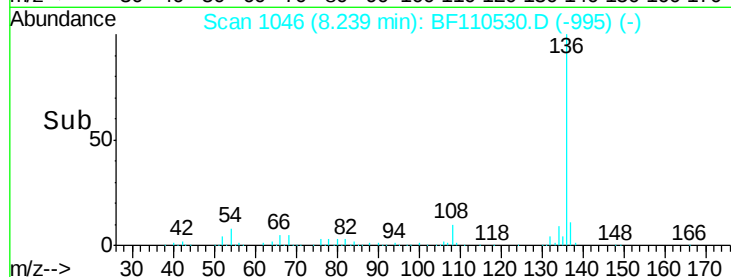


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 33.94 ng

RT: 7.52 min Scan# 923

Delta R.T. -0.01 min

Lab File: BF110530.D

Acq: 6 Nov 2018 22:07

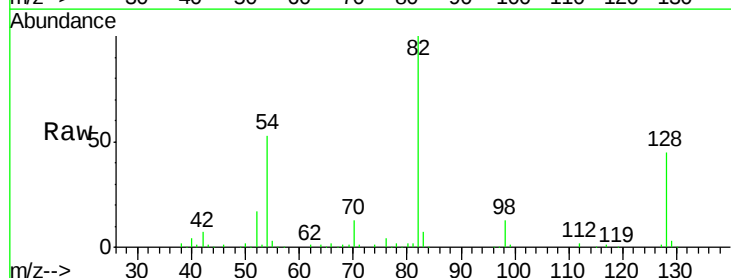
Tgt Ion: 82 Resp: 188765

Ion Ratio Lower Upper

82 100

128 45.3 34.2 51.2

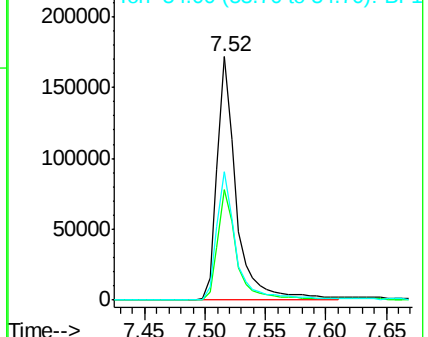
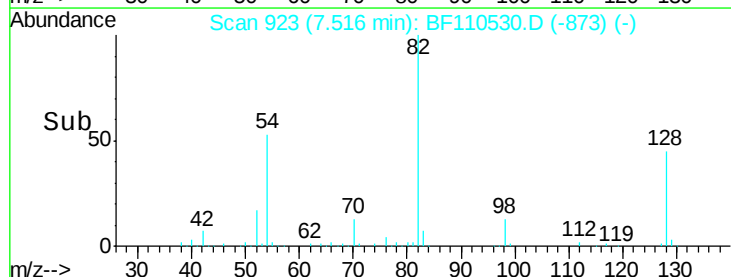
54 53.0 38.6 58.0

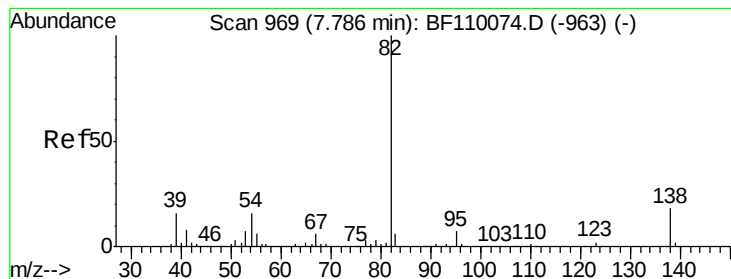


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 19.91 ng

RT: 7.52 min Scan# 923

Delta R.T. -0.26 min

Lab File: BF110530.D

Acq: 6 Nov 2018 22:07

Instrument :

BNA_F

ClientSampled :

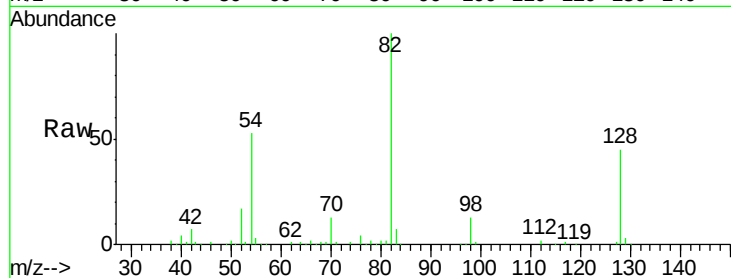
Tot Ion: 82 Resp: 188762

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

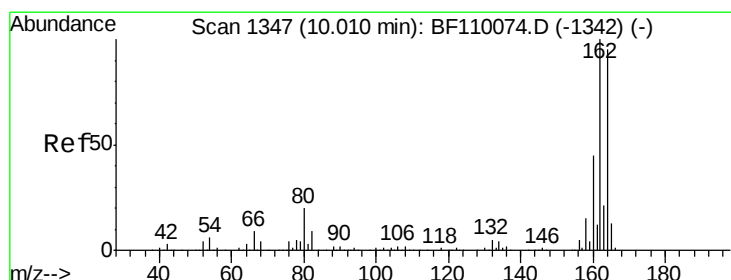
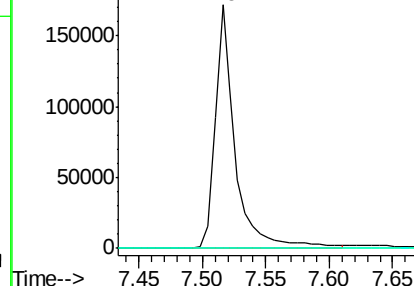
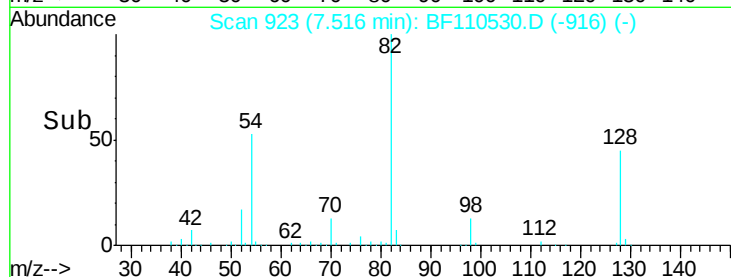
138 0.0 13.2 19.8#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#39

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.00 min Scan# 1345

Delta R.T. 0.00 min

Lab File: BF110530.D

Acq: 6 Nov 2018 22:07

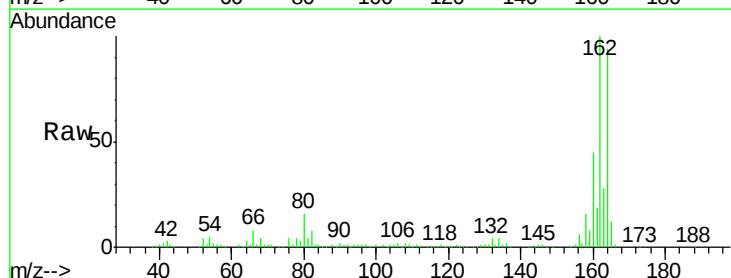
Tgt Ion:164 Resp: 125354

Ion Ratio Lower Upper

164 100

162 106.5 83.0 124.6

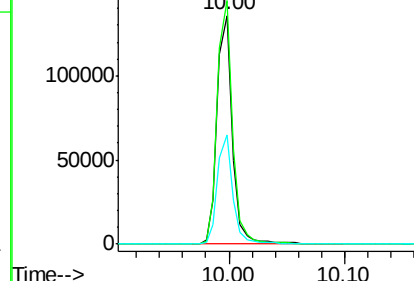
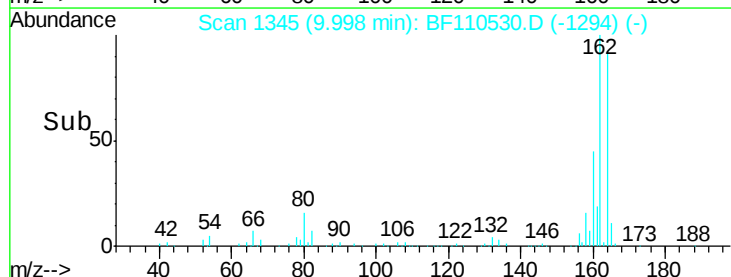
160 48.0 37.0 55.6

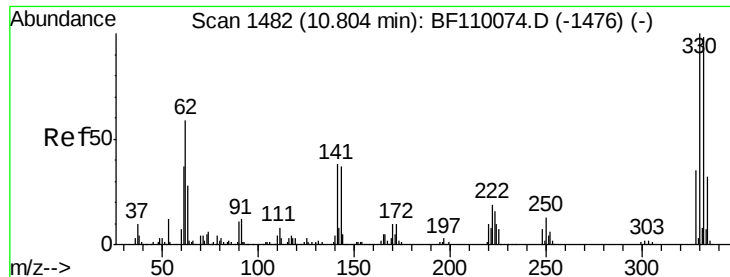


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

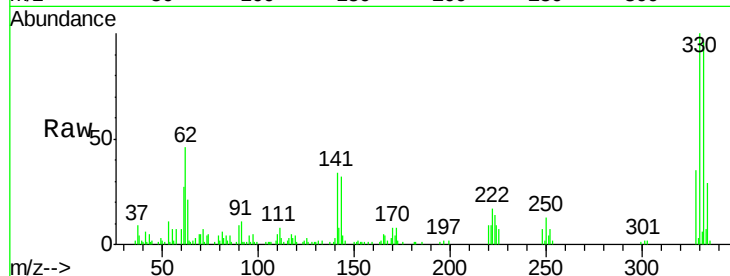




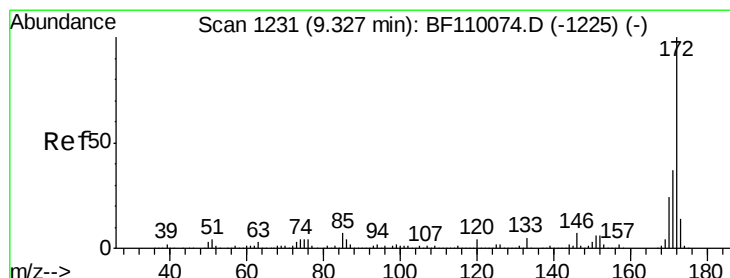
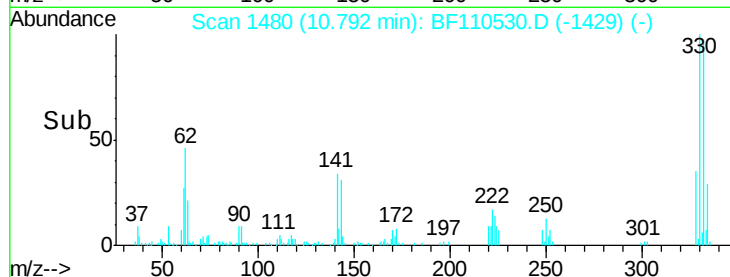
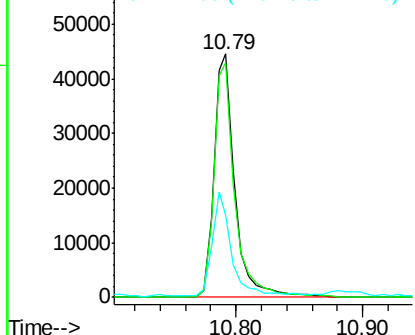
#42
 2,4,6-Tribromophenol
 Concen: 41.46 ng
 RT: 10.79 min Scan# 1480
 Delta R.T. 0.00 min
 Lab File: BF110530.D
 Acq: 6 Nov 2018 22:07

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 51487
 Ion Ratio Lower Upper
 330 100
 332 96.9 77.1 115.7
 141 41.0 27.0 40.4#

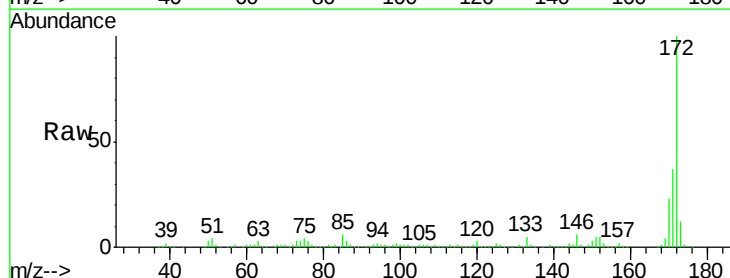


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

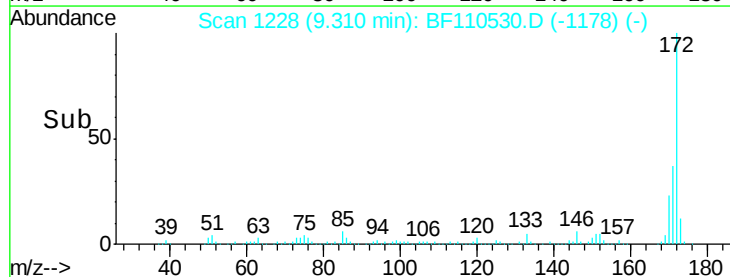
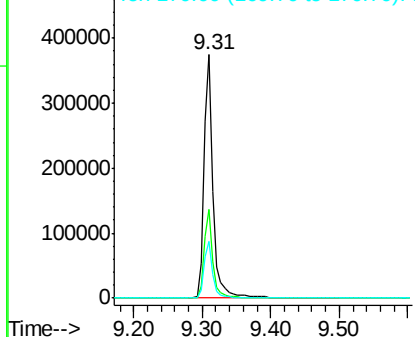


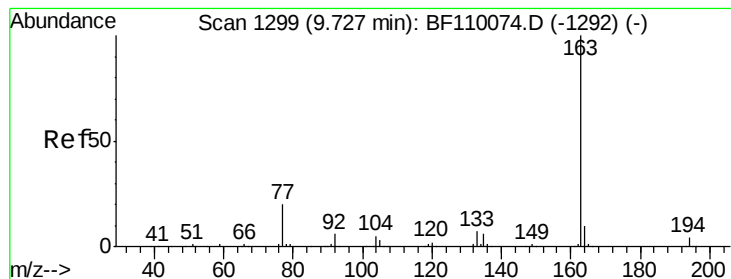
#45
 2-Fluorobiphenyl
 Concen: 44.66 ng
 RT: 9.31 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: BF110530.D
 Acq: 6 Nov 2018 22:07

Tgt Ion:172 Resp: 356539
 Ion Ratio Lower Upper
 172 100
 171 36.7 28.6 43.0
 170 23.3 19.7 29.5



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





#50

Dimethylphthalate

Concen: 4.78 ng

RT: 9.70 min Scan# 1295

Delta R.T. -0.01 min

Lab File: BF110530.D

Acq: 6 Nov 2018 22:07

Instrument :

BNA_F

ClientSampleId :

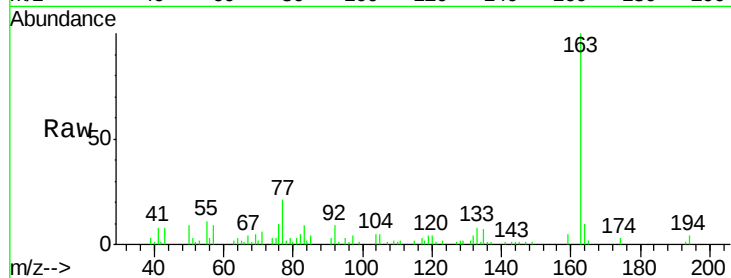
Tot Ion:163 Resp: 44187

Ion Ratio Lower Upper

163 100

194 3.9 3.2 4.8

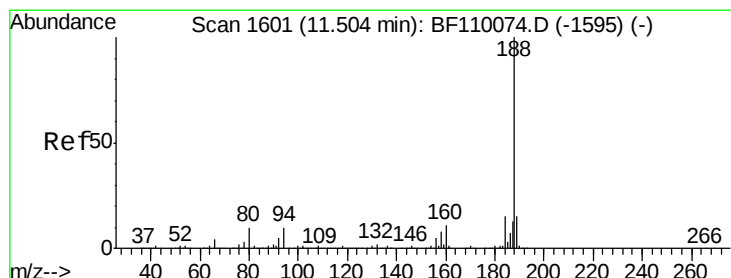
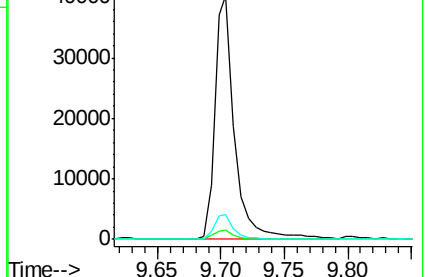
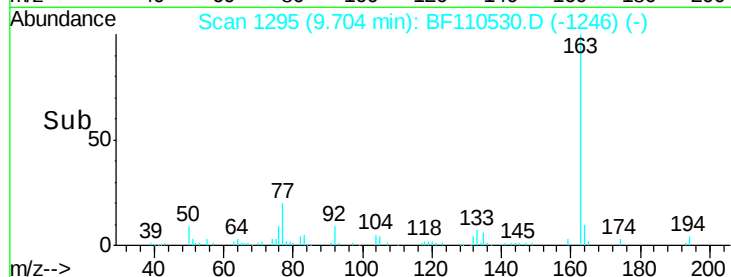
164 10.2 8.1 12.1



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



#64

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.49 min Scan# 1599

Delta R.T. 0.00 min

Lab File: BF110530.D

Acq: 6 Nov 2018 22:07

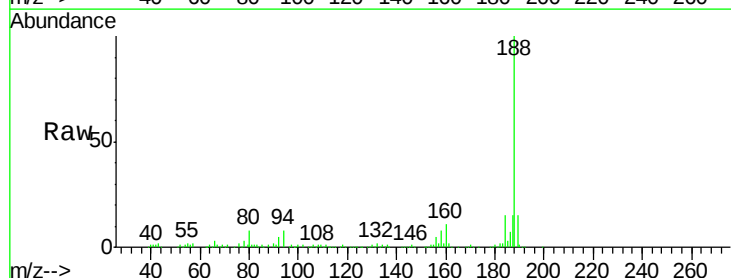
Tgt Ion:188 Resp: 198547

Ion Ratio Lower Upper

188 100

94 7.8 7.2 10.8

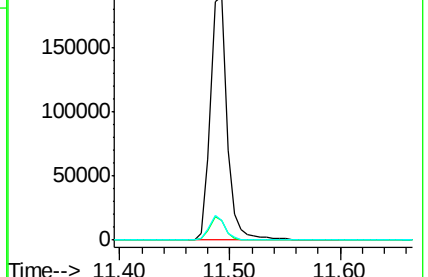
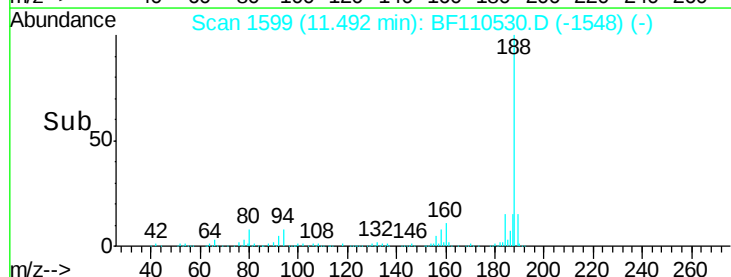
80 8.3 7.9 11.9

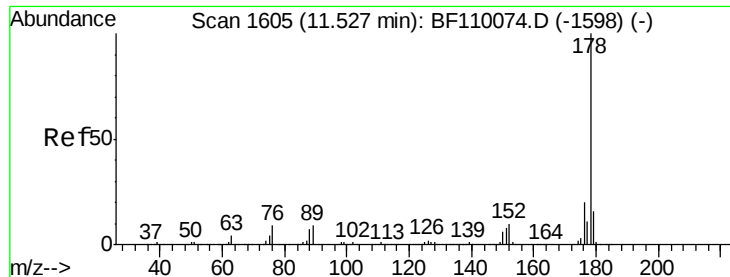


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

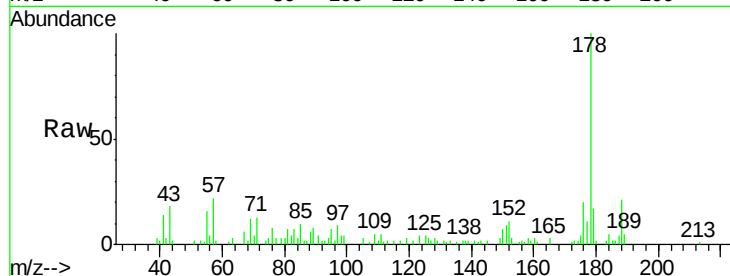




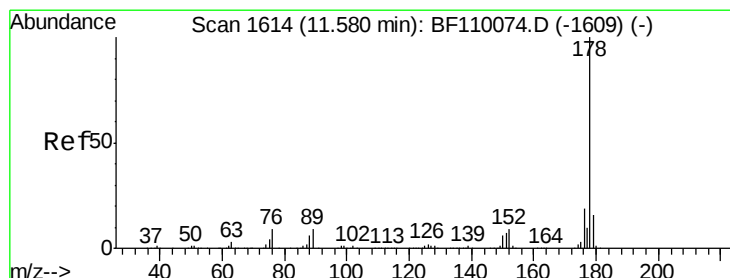
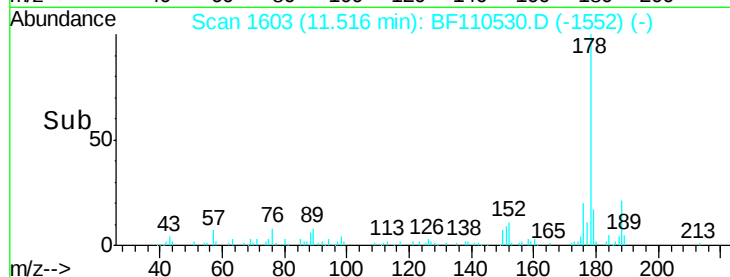
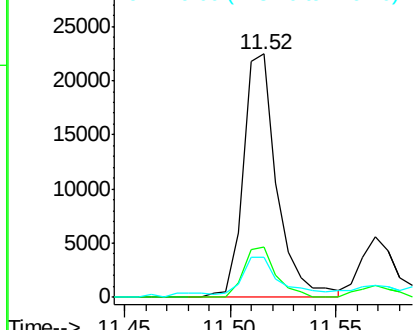
#71
Phenanthrene
Concen: 2.38 ng
RT: 11.52 min Scan# 1603
Delta R.T. 0.00 min
Lab File: BF110530.D
Acq: 6 Nov 2018 22:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 24674
Ion Ratio Lower Upper
178 100
176 20.4 15.5 23.3
179 16.6 12.5 18.7

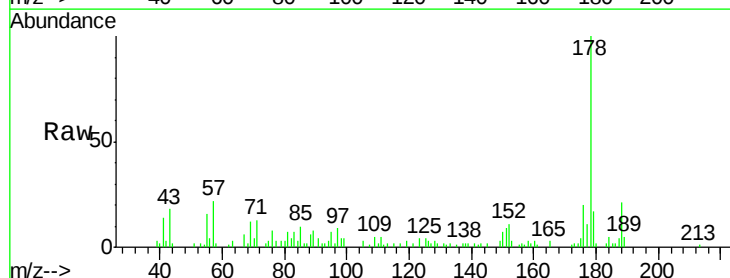


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

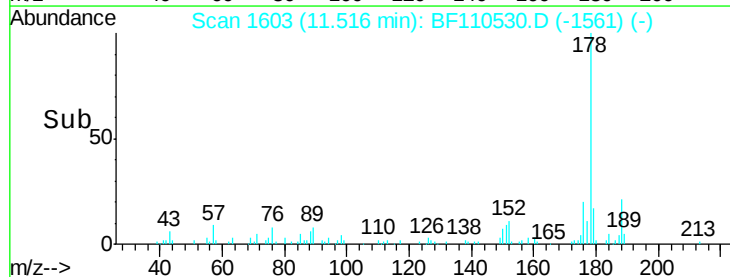
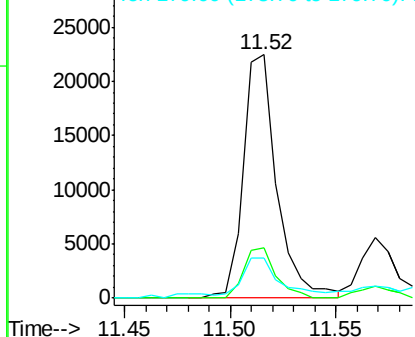


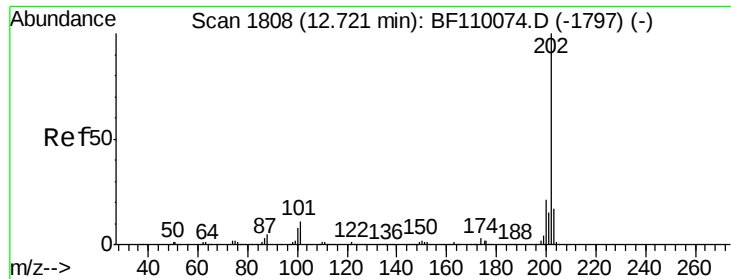
#72
Anthracene
Concen: 2.37 ng
RT: 11.52 min Scan# 1603
Delta R.T. -0.05 min
Lab File: BF110530.D
Acq: 6 Nov 2018 22:07

Tgt Ion:178 Resp: 24674
Ion Ratio Lower Upper
178 100
176 20.4 15.4 23.2
179 16.6 12.6 18.8



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





#75

Fluoranthene

Concen: 3.96 ng

RT: 12.71 min Scan# 1806

Delta R.T. 0.00 min

Lab File: BF110530.D

Acq: 6 Nov 2018 22:07

Instrument :

BNA_F

ClientSampleId :

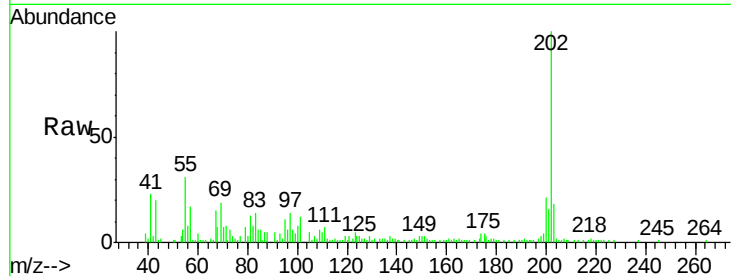
Tot Ion:202 Resp: 41709

Ion Ratio Lower Upper

202 100

101 11.7 0.0 31.4

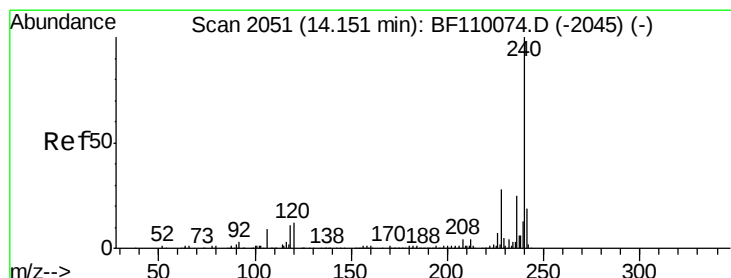
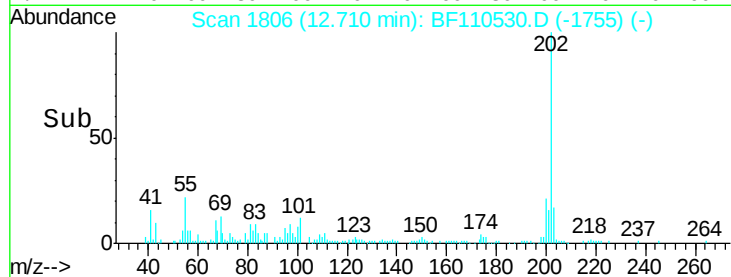
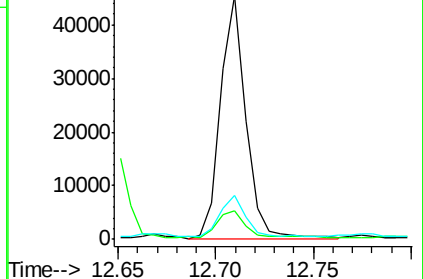
203 18.1 0.0 37.7



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



#76

Chrysene-d12

Concen: 20.00 ng

RT: 14.14 min Scan# 2049

Delta R.T. 0.00 min

Lab File: BF110530.D

Acq: 6 Nov 2018 22:07

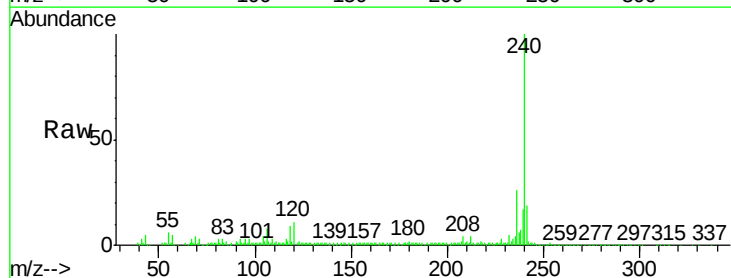
Tgt Ion:240 Resp: 154645

Ion Ratio Lower Upper

240 100

120 10.7 8.3 12.5

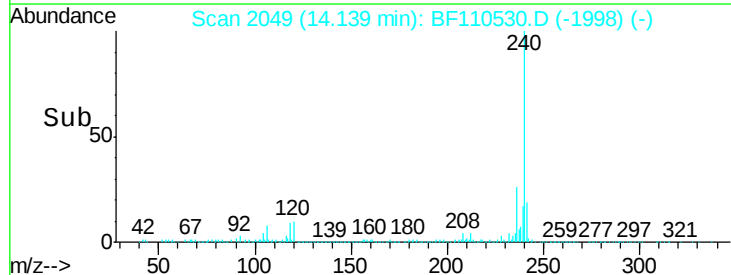
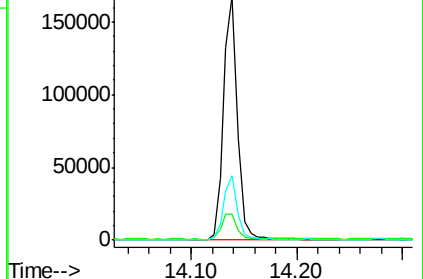
236 26.4 21.2 31.8

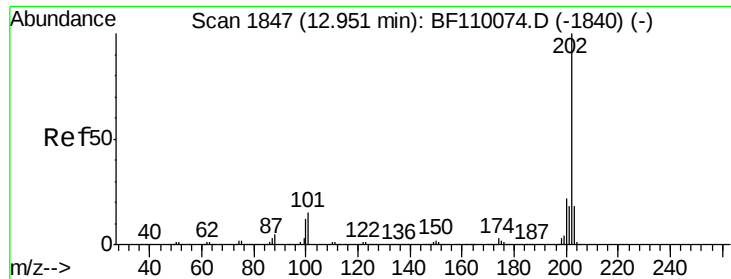


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

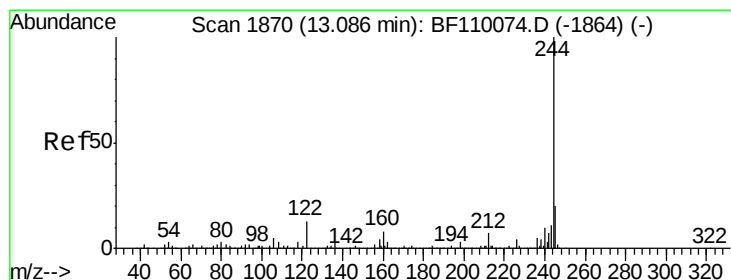
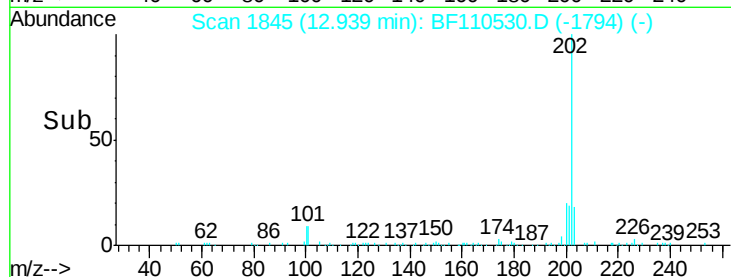
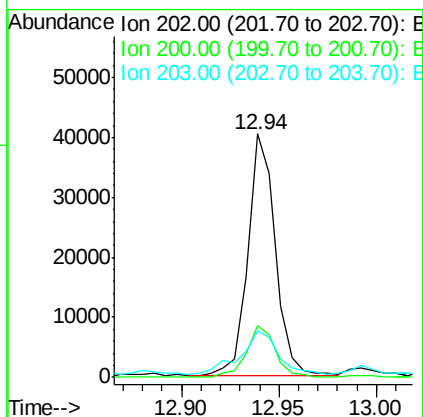
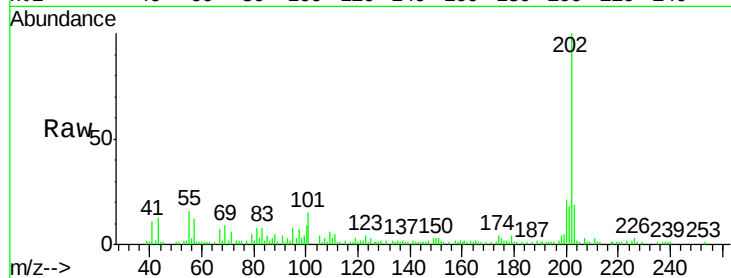




#78
Pvrene
Concen: 3.53 ng
RT: 12.94 min Scan# 1845
Delta R.T. 0.00 min
Lab File: BF110530.D
Acq: 6 Nov 2018 22:07

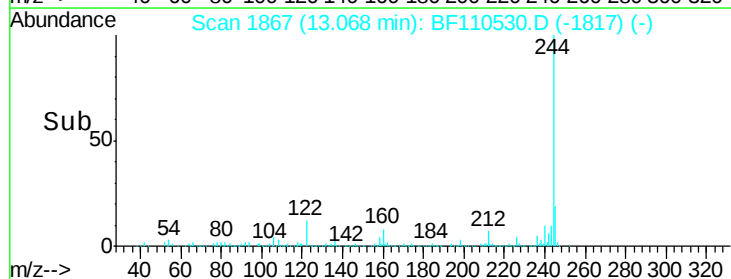
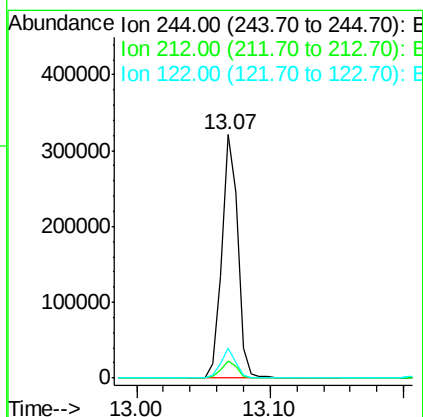
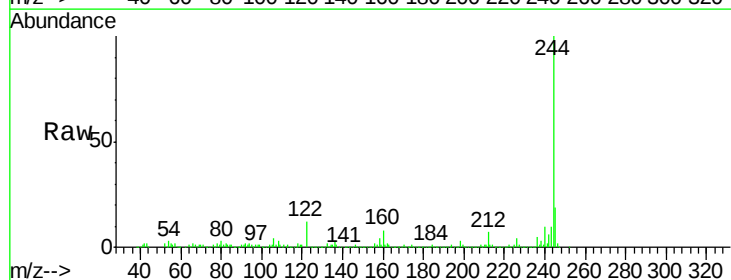
Instrument :
BNA_F
ClientSampled :

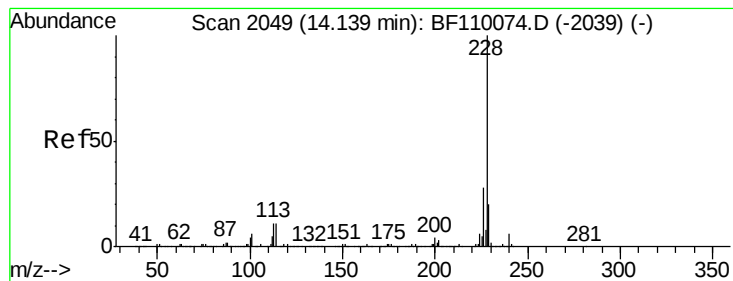
Tot Ion:202 Resp: 39120
Ion Ratio Lower Upper
202 100
200 21.3 17.8 26.6
203 19.1 14.2 21.4



#79
Terphenyl-d14
Concen: 36.82 ng
RT: 13.07 min Scan# 1867
Delta R.T. -0.01 min
Lab File: BF110530.D
Acq: 6 Nov 2018 22:07

Tgt Ion:244 Resp: 273760
Ion Ratio Lower Upper
244 100
212 6.9 5.8 8.8
122 12.3 8.7 13.1





#81

Benzo(a)anthracene

Concen: 2.27 ng

RT: 14.13 min Scan# 2047

Delta R.T. 0.00 min

Lab File: BF110530.D

Acq: 6 Nov 2018 22:07

Instrument :

BNA_F

ClientSampleId :

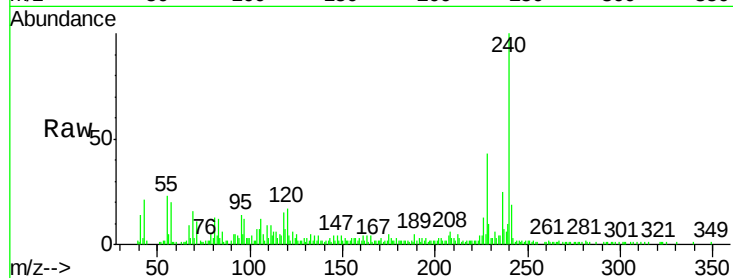
Tot Ion:228 Resp: 20796

Ion Ratio Lower Upper

228 100

226 30.9 22.1 33.1

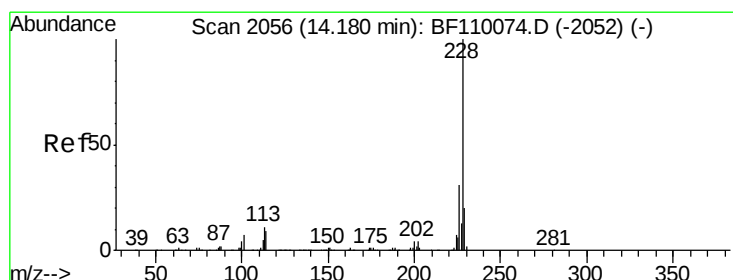
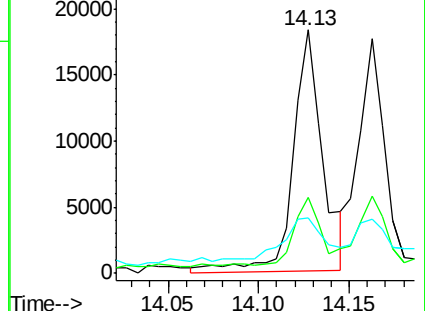
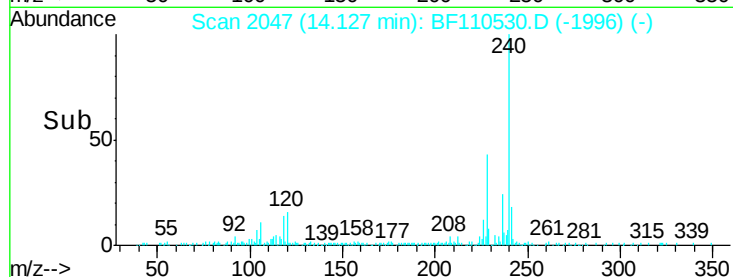
229 22.9 15.6 23.4



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Chrysene

Concen: 2.10 ng

RT: 14.16 min Scan# 2053

Delta R.T. -0.01 min

Lab File: BF110530.D

Acq: 6 Nov 2018 22:07

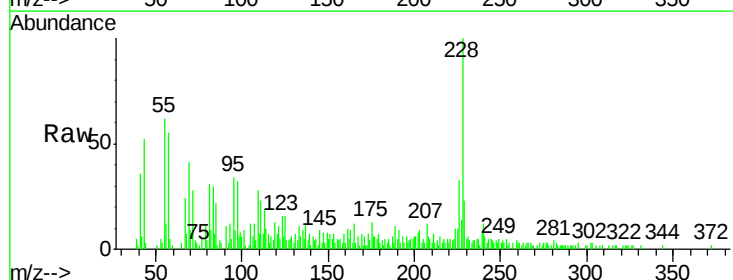
Tgt Ion:228 Resp: 18333

Ion Ratio Lower Upper

228 100

226 33.1 24.7 37.1

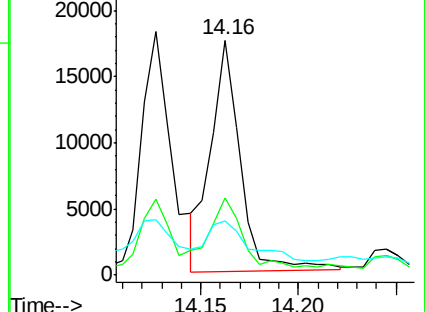
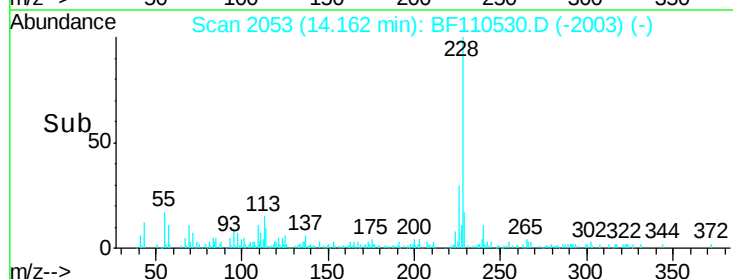
229 22.9 15.9 23.9

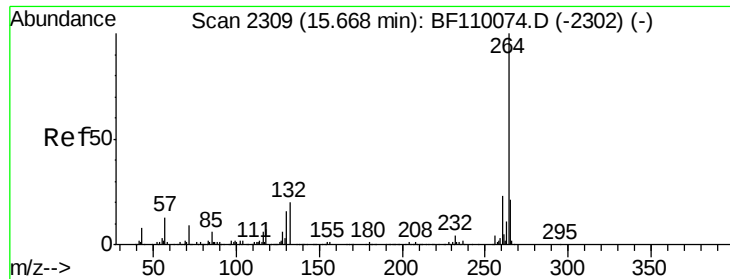


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#87

Pervlene-d12

Concen: 20.00 ng

RT: 15.66 min Scan# 2308

Delta R.T. 0.01 min

Lab File: BF110530.D

Acq: 6 Nov 2018 22:07

Instrument :

BNA_F

ClientSampleId :

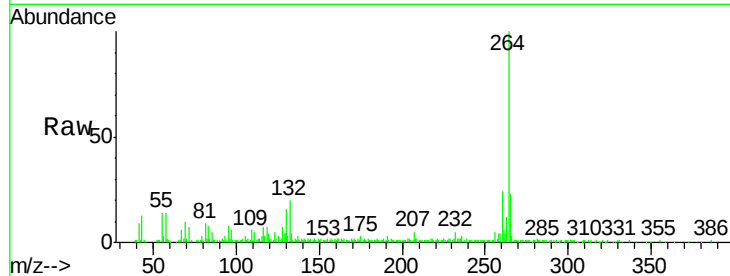
Tot Ion:264 Resp: 107560

Ion	Ratio	Lower	Upper
264	100		
260	24.5	18.7	28.1
265	22.9	16.7	25.1

264 100

260 24.5 18.7 28.1

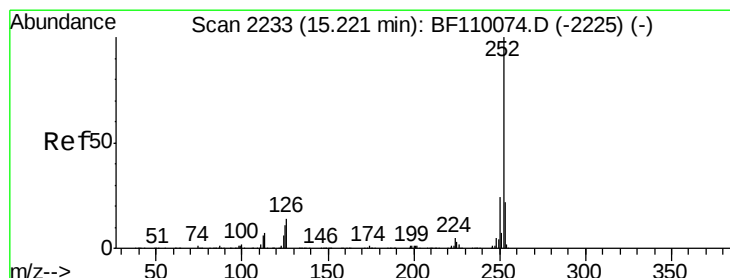
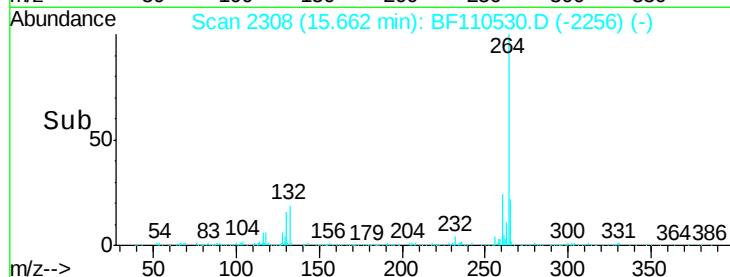
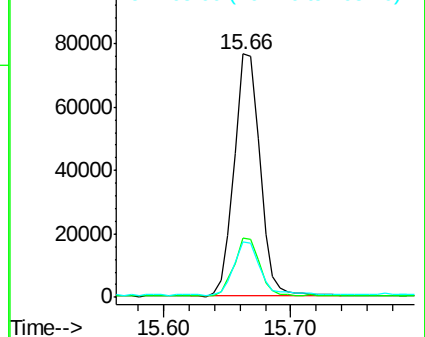
265 22.9 16.7 25.1



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 3.52 ng

RT: 15.21 min Scan# 2231

Delta R.T. 0.01 min

Lab File: BF110530.D

Acq: 6 Nov 2018 22:07

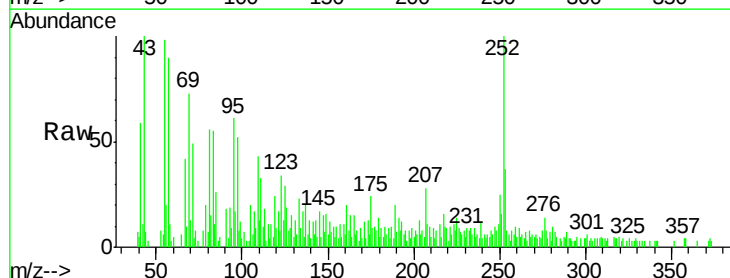
Tgt Ion:252 Resp: 21862

Ion	Ratio	Lower	Upper
252	100		
253	37.0	17.2	25.8#
125	28.7	8.2	12.4#

252 100

253 37.0 17.2 25.8#

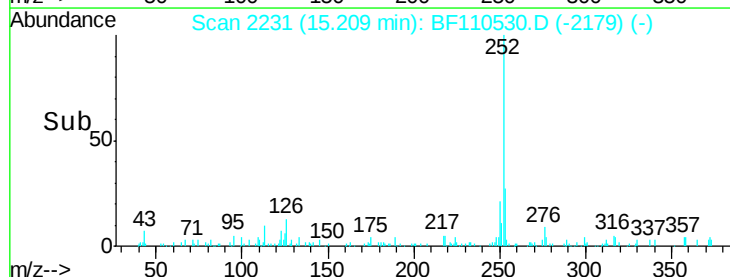
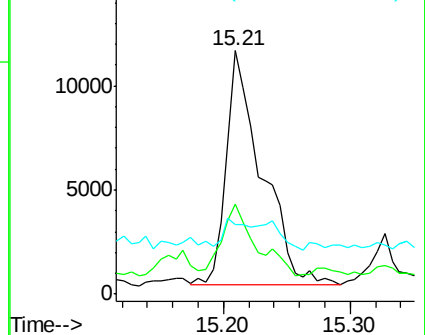
125 28.7 8.2 12.4#

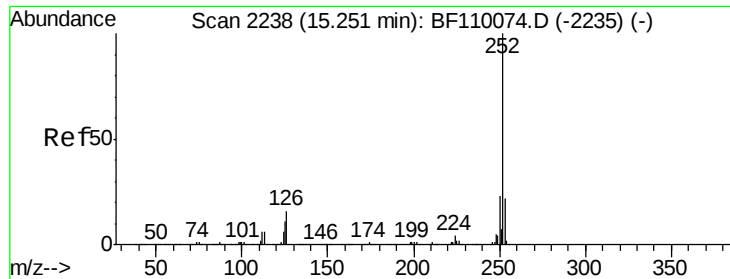


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

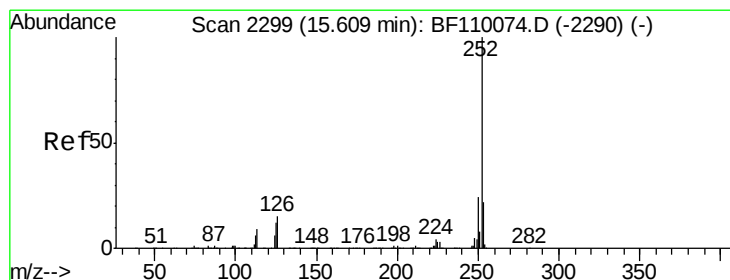
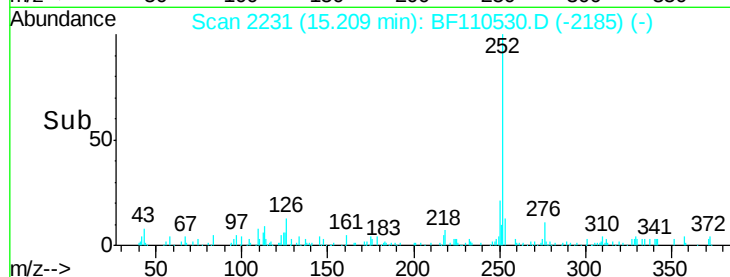
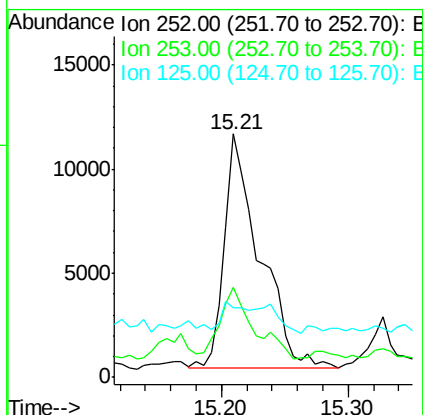
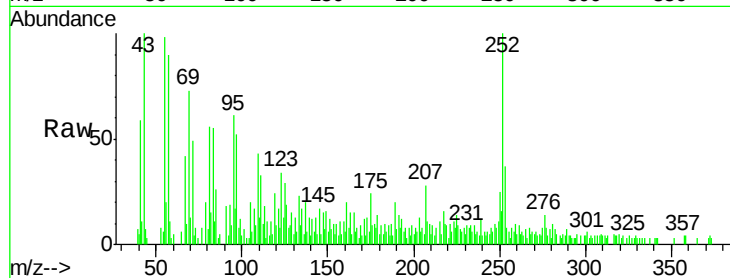




#89
Benzo(k)fluoranthene
Concen: 3.58 ng
RT: 15.21 min Scan# 2231
Delta R.T. -0.03 min
Lab File: BF110530.D
Acq: 6 Nov 2018 22:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	37.0	17.2	25.8#
125	28.7	7.4	11.0#



#90
Benzo(a)pyrene
Concen: 2.45 ng
RT: 15.60 min Scan# 2297
Delta R.T. 0.01 min
Lab File: BF110530.D
Acq: 6 Nov 2018 22:07

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.6	18.2	27.4
125	33.8	9.0	13.6#

