

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110818\
 Data File : BF110604.D
 Acq On : 9 Nov 2018 00:02
 Operator : JU/SJ
 Sample : J5768-03 2X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 09 08:44:00 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 08 14:14:47 2018
 Response via : Initial Calibration

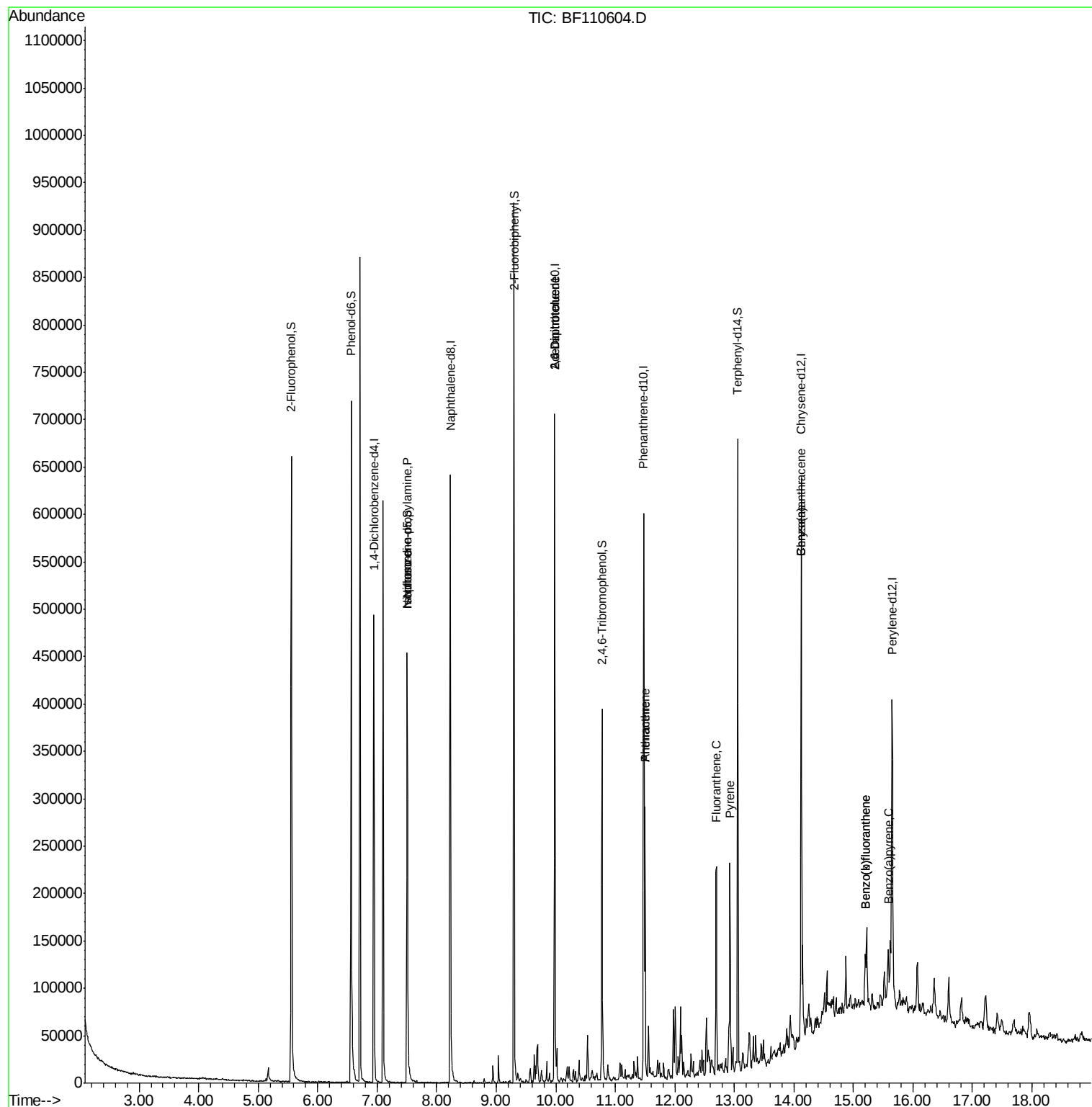
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	79503	20.00	ng	0.00
21) Naphthalene-d8	8.23	136	334804	20.00	ng	0.00
39) Acenaphthene-d10	9.98	164	147681	20.00	ng	-0.01
64) Phenanthrene-d10	11.48	188	232108	20.00	ng	0.00
76) Chrysene-d12	14.13	240	173314	20.00	ng	-0.01
87) Perylene-d12	15.65	264	147235	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	192942	39.42	ng	0.00
7) Phenol-d6	6.56	99	250667	40.05	ng	-0.01
23) Nitrobenzene-d5	7.50	82	154998	26.66	ng	-0.01
42) 2,4,6-Tribromophenol	10.77	330	43564	29.28	ng	-0.01
45) 2-Fluorobiphenyl	9.30	172	293906	28.42	ng	0.00
79) Terphenyl-d14	13.06	244	196470	21.23	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.50	70	19756	4.94	ng	# 79
25) Isophorone	7.50	82	154996	16.27	ng	# 67
51) 2,6-Dinitrotoluene	9.98	165	19720	8.14	ng	# 22
57) 2,4-Dinitrotoluene	9.98	165	19720	6.26	ng	# 19
71) Phenanthrene	11.50	178	116614	9.38	ng	98
72) Anthracene	11.50	178	116614	9.30	ng	98
75) Fluoranthene	12.70	202	91156	7.31	ng	98
78) Pyrene	12.93	202	89043	6.67	ng	98
81) Benzo(a)anthracene	14.12	228	35371	3.41	ng	97
83) Chrysene	14.12	228	35371	3.58	ng	96
88) Benzo(b)fluoranthene	15.20	252	37755	4.29	ng	# 88
89) Benzo(k)fluoranthene	15.20	252	37755	4.34	ng	# 87
90) Benzo(a)pyrene	15.59	252	23300	2.91	ng	95

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

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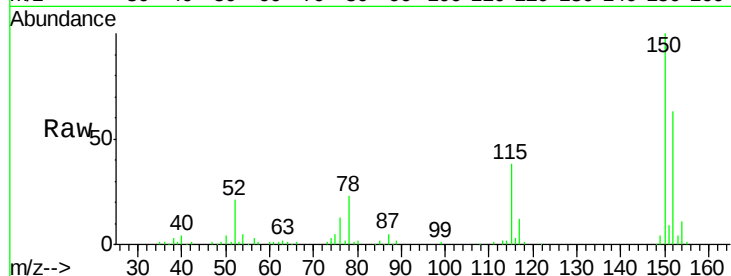


#1

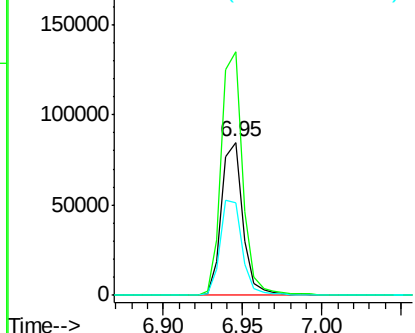
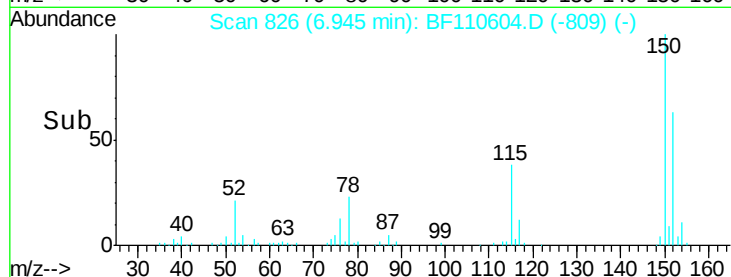
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.95 min Scan# 826
Delta R.T. 0.00 min
Lab File: BF110604.D
Acq: 9 Nov 2018 00:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 79503
Ion Ratio Lower Upper
152 100
150 159.1 122.7 184.1
115 60.1 49.1 73.7



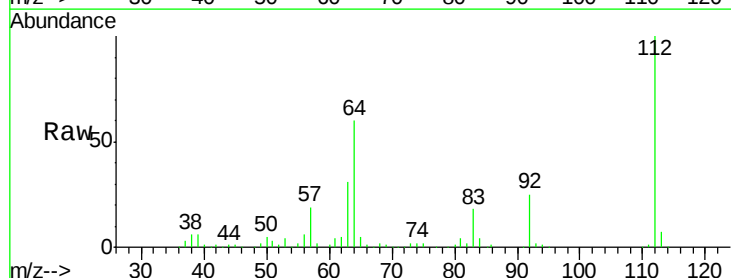
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



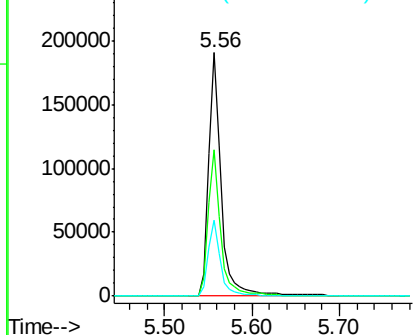
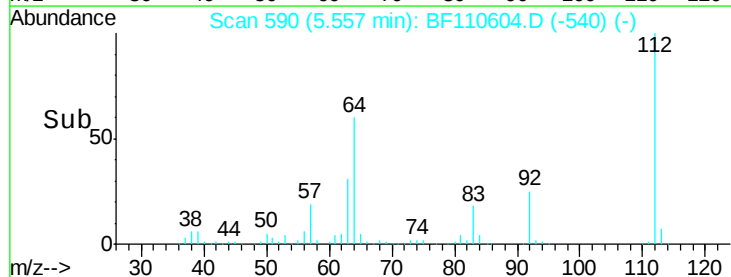
#5

2-Fluorophenol
Concen: 39.42 ng
RT: 5.56 min Scan# 590
Delta R.T. -0.01 min
Lab File: BF110604.D
Acq: 9 Nov 2018 00:02

Tgt Ion:112 Resp: 192942
Ion Ratio Lower Upper
112 100
64 59.9 44.1 66.1
63 31.0 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: 40.05 ng

RT: 6.56 min Scan# 761

Delta R.T. -0.01 min

Lab File: BF110604.D

Acq: 9 Nov 2018 00:02

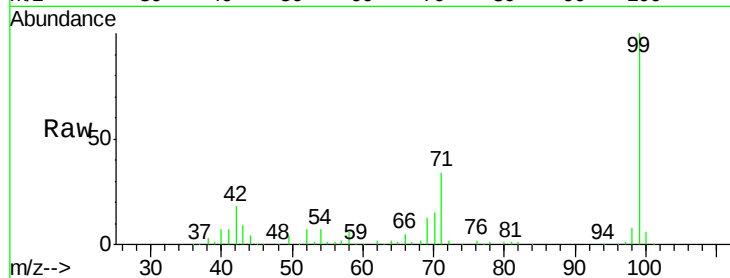
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 250667

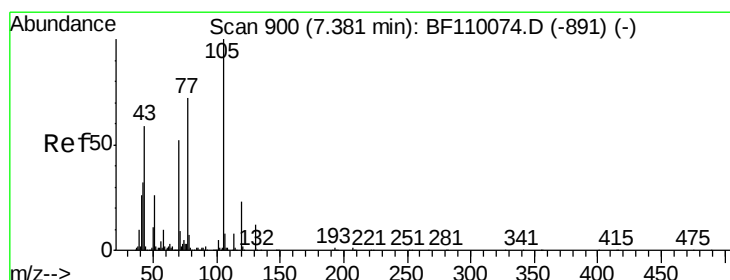
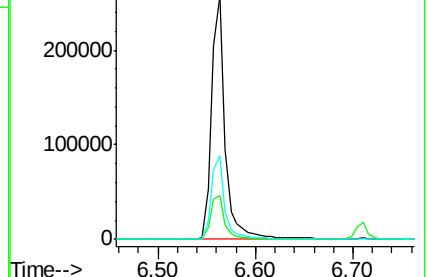
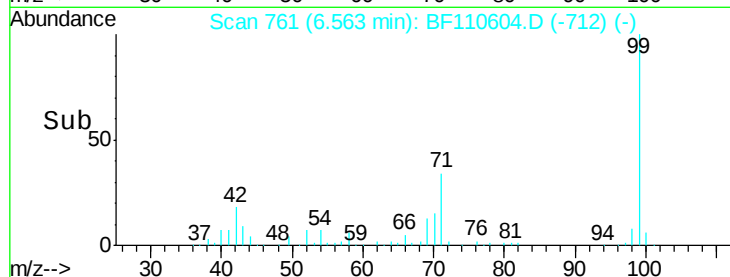
Ion	Ratio	Lower	Upper
99	100		
42	18.1	15.8	23.6
71	34.4	28.0	42.0



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: 4.94 ng

RT: 7.50 min Scan# 921

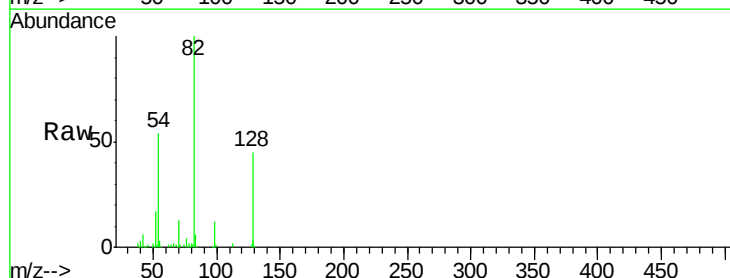
Delta R.T. 0.15 min

Lab File: BF110604.D

Acq: 9 Nov 2018 00:02

Tgt Ion: 70 Resp: 19756

Ion	Ratio	Lower	Upper
70	100		
42	48.9	47.4	71.2
101	0.0	7.3	10.9#
130	1.9	16.2	24.2#

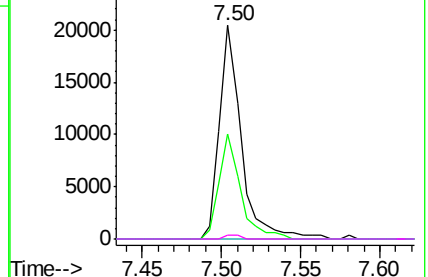
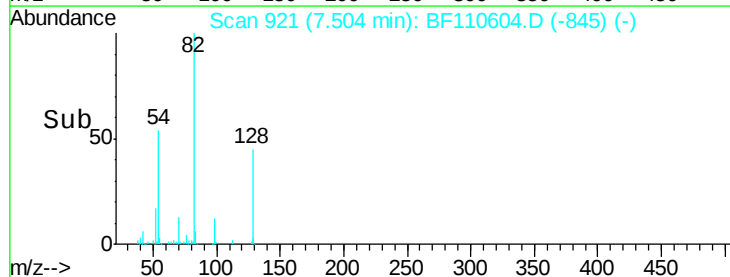


Abundance Ion 70.00 (69.70 to 70.70): BF1

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

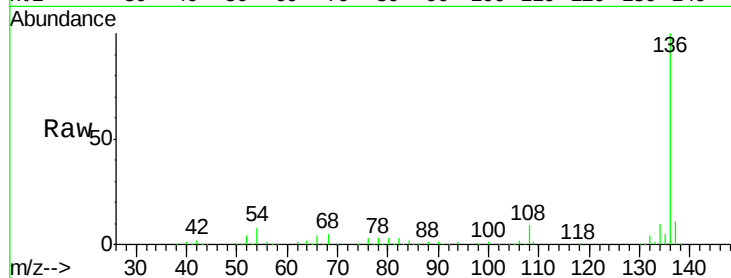




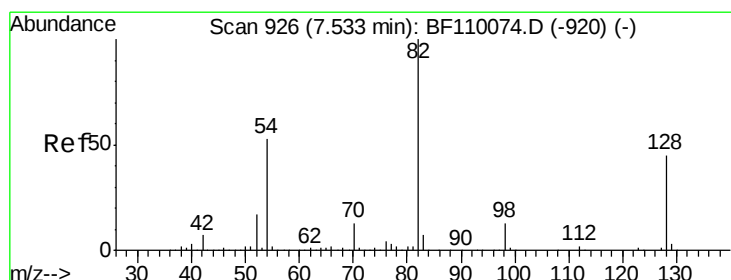
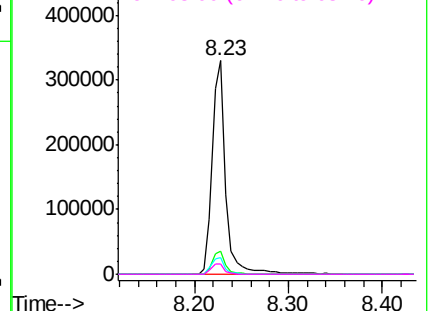
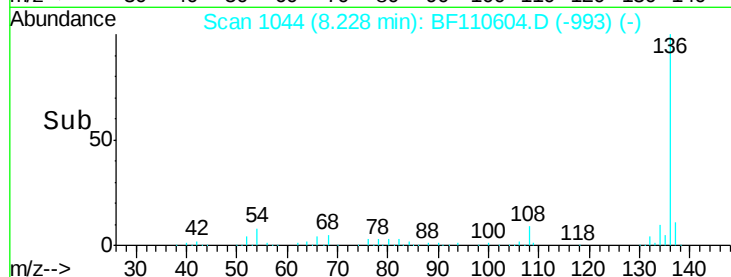
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.23 min Scan# 1044
Delta R.T. 0.00 min
Lab File: BF110604.D
Acq: 9 Nov 2018 00:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136 Resp: 334804
Ion Ratio Lower Upper
136 100
137 10.8 8.8 13.2
54 7.6 5.4 8.2
68 5.0 4.2 6.2

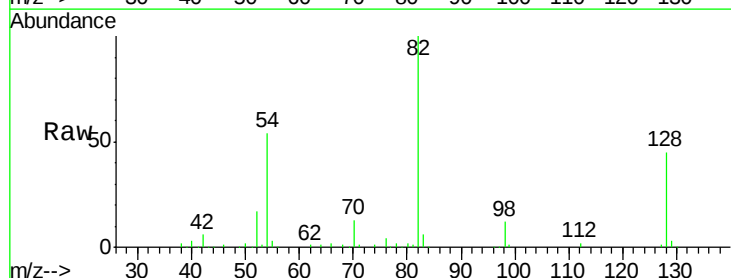


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

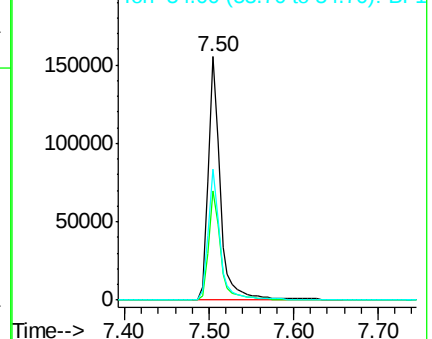
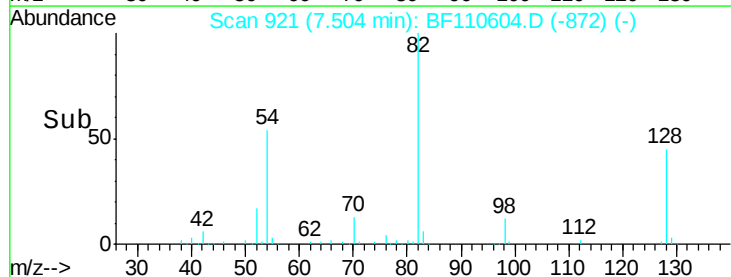


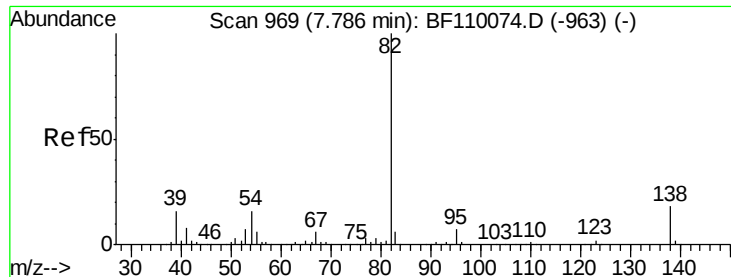
#23
Nitrobenzene-d5
Concen: 26.66 ng
RT: 7.50 min Scan# 921
Delta R.T. -0.01 min
Lab File: BF110604.D
Acq: 9 Nov 2018 00:02

Tgt Ion: 82 Resp: 154998
Ion Ratio Lower Upper
82 100
128 44.9 34.2 51.2
54 53.9 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: 16.27 ng

RT: 7.50 min Scan# 921

Delta R.T. -0.26 min

Lab File: BF110604.D

Acq: 9 Nov 2018 00:02

Instrument :

BNA_F

ClientSampleId :

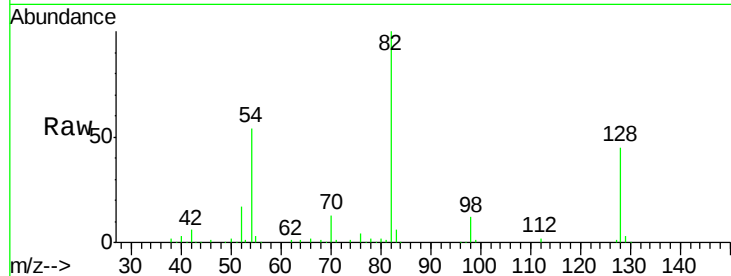
Tot Ion: 82 Resp: 154996

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

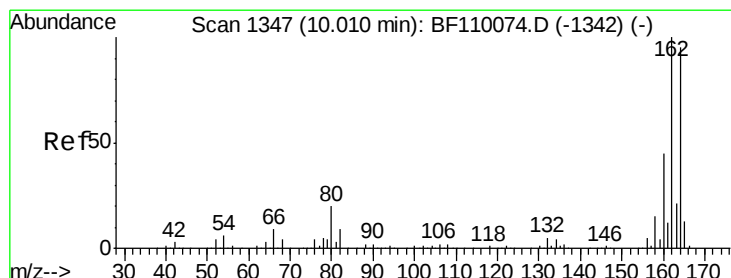
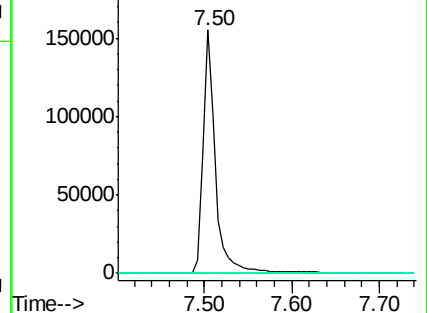
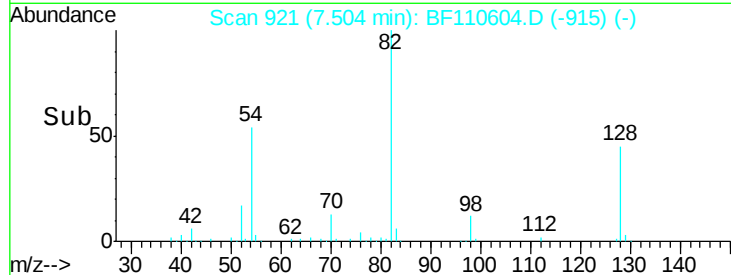
138 0.0 13.2 19.8#



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: 9.98 min Scan# 1342

Delta R.T. -0.01 min

Lab File: BF110604.D

Acq: 9 Nov 2018 00:02

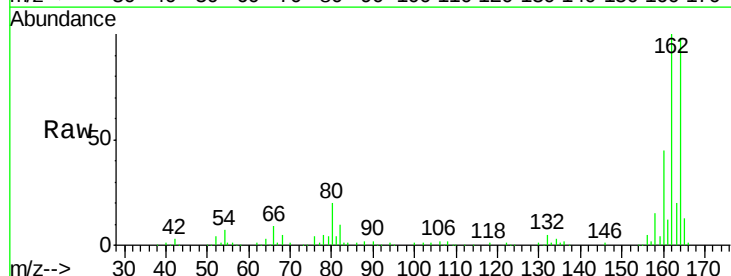
Tgt Ion: 164 Resp: 147681

Ion Ratio Lower Upper

164 100

162 102.2 83.0 124.6

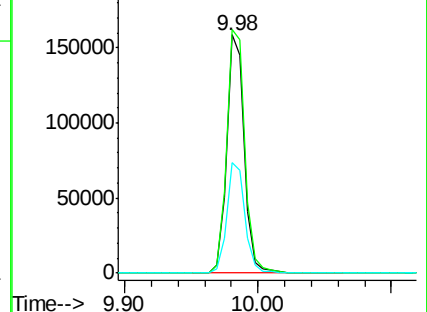
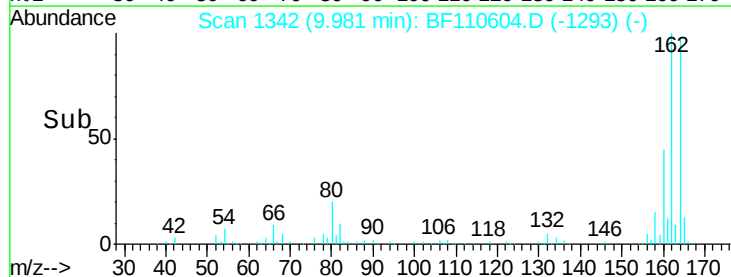
160 46.3 37.0 55.6

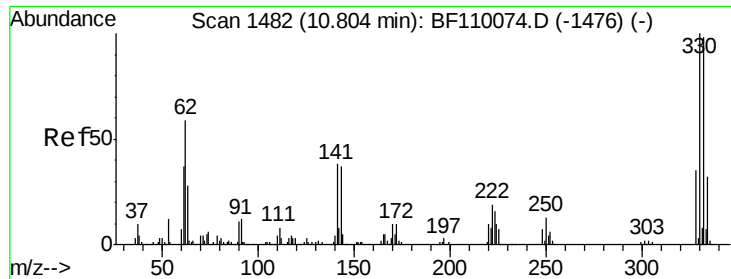


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

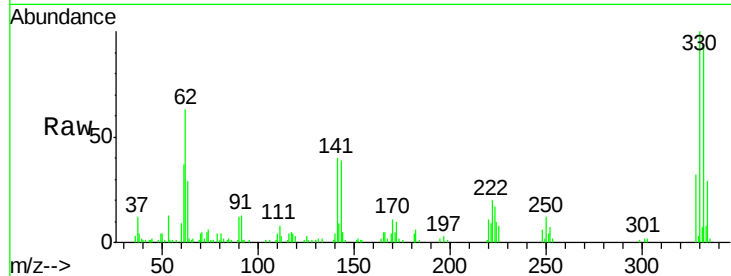




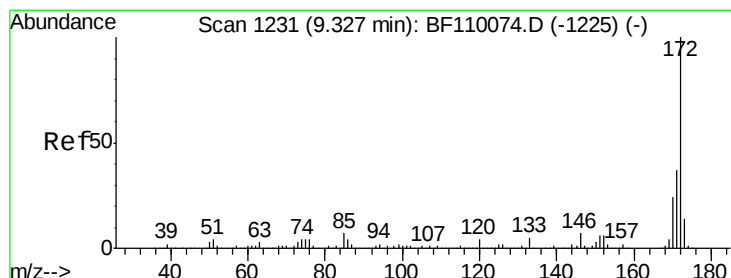
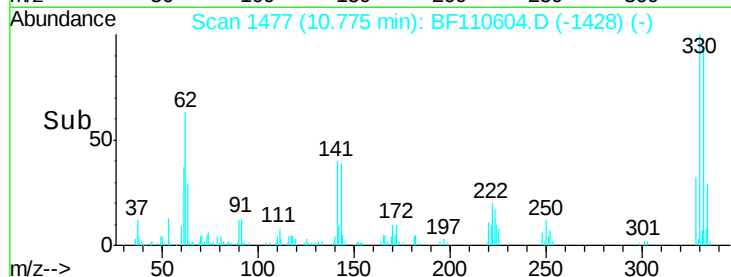
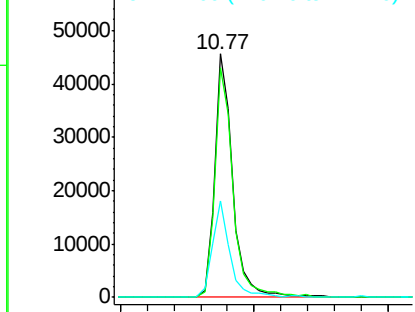
#42
 2,4,6-Tribromophenol
 Concen: 29.28 ng
 RT: 10.77 min Scan# 1477
 Delta R.T. -0.01 min
 Lab File: BF110604.D
 Acq: 9 Nov 2018 00:02

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 43564
 Ion Ratio Lower Upper
 330 100
 332 95.6 77.1 115.7
 141 38.4 27.0 40.4

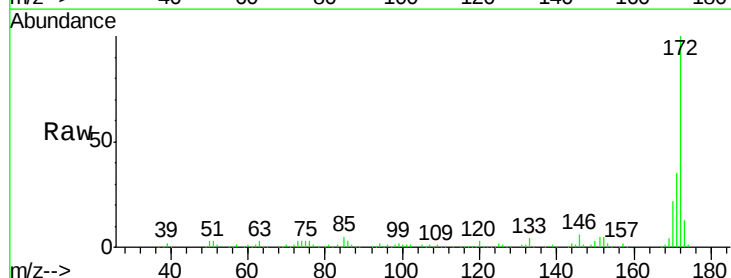


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

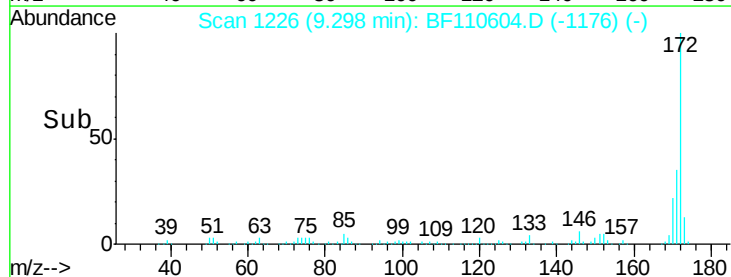
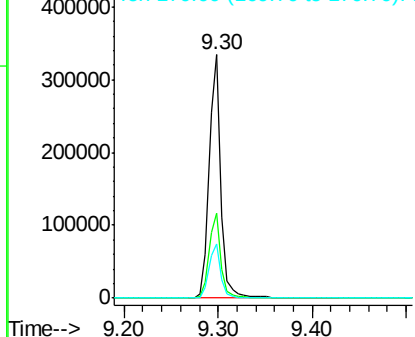


#45
 2-Fluorobiphenyl
 Concen: 28.42 ng
 RT: 9.30 min Scan# 1226
 Delta R.T. -0.01 min
 Lab File: BF110604.D
 Acq: 9 Nov 2018 00:02

Tgt Ion:172 Resp: 293906
 Ion Ratio Lower Upper
 172 100
 171 35.1 28.6 43.0
 170 22.3 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





#51

2,6-Dinitrotoluene

Concen: 8.14 ng

RT: 9.98 min Scan# 1342

Delta R.T. 0.21 min

Lab File: BF110604.D

Acq: 9 Nov 2018 00:02

Instrument :

BNA_F

ClientSampleId :

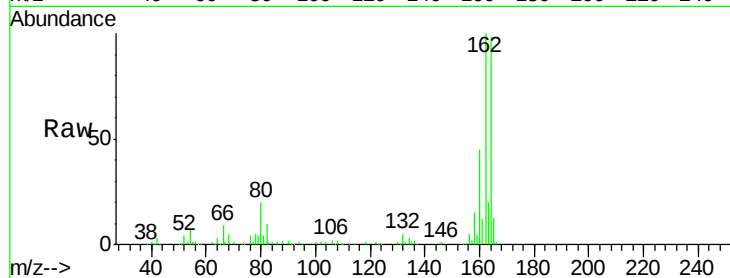
Tot Ion:165 Resp: 19720

Ion Ratio Lower Upper

165 100

63 2.2 48.9 73.3#

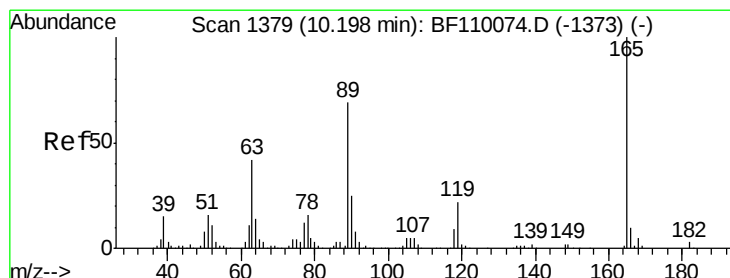
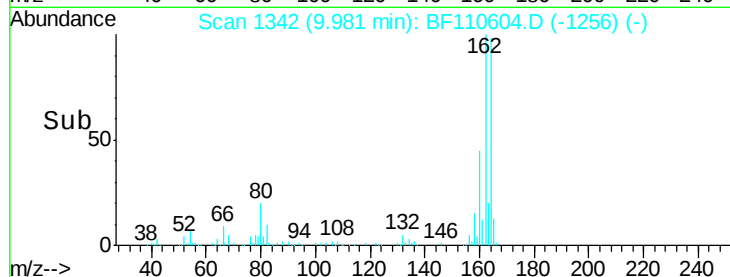
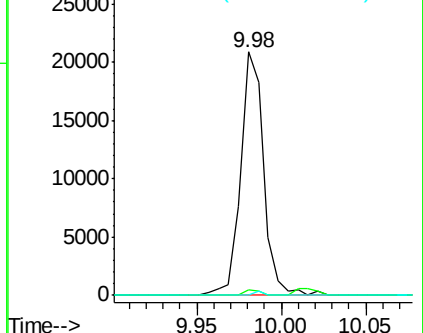
89 0.0 46.6 69.8#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#57

2,4-Dinitrotoluene

Concen: 6.26 ng

RT: 9.98 min Scan# 1342

Delta R.T. -0.21 min

Lab File: BF110604.D

Acq: 9 Nov 2018 00:02

Tgt Ion:165 Resp: 19720

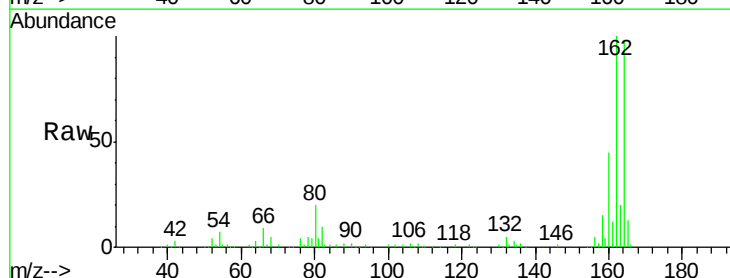
Ion Ratio Lower Upper

165 100

63 2.2 44.8 67.2#

89 0.0 62.2 93.4#

182 0.0 2.1 3.1#

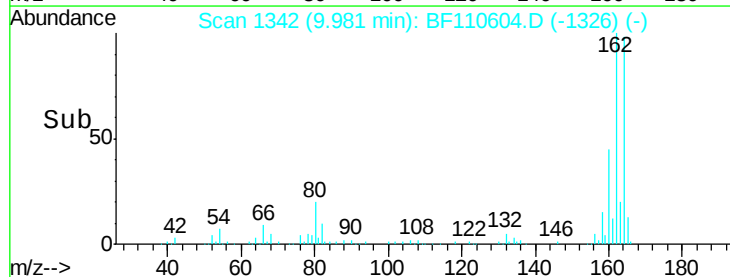
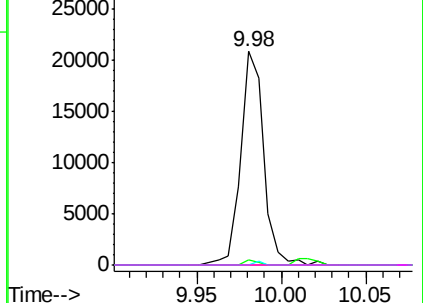


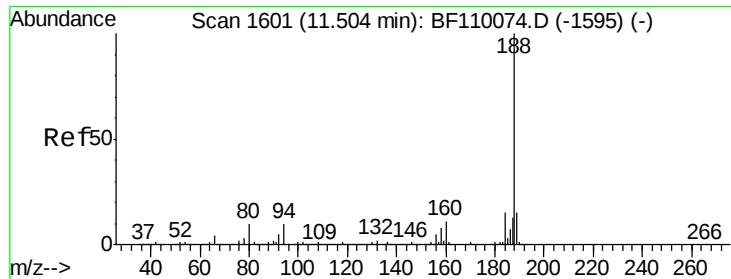
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E

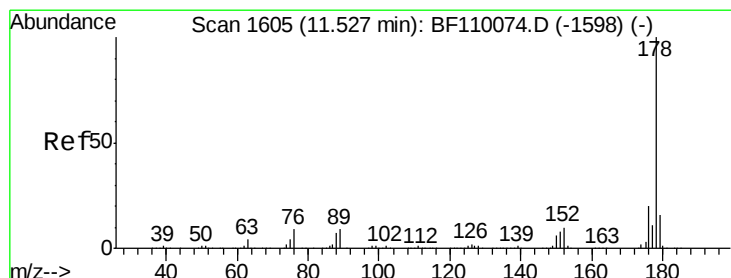
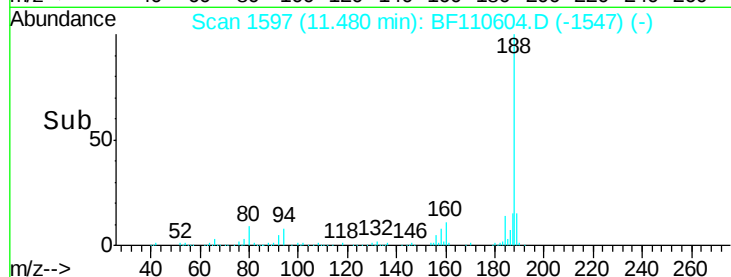
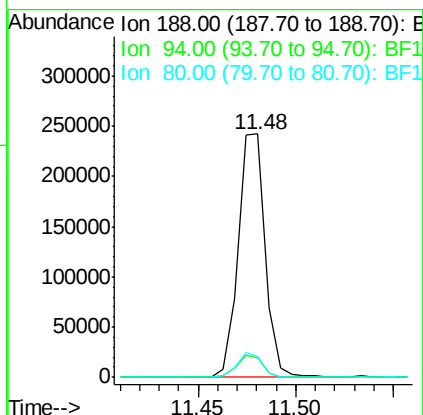
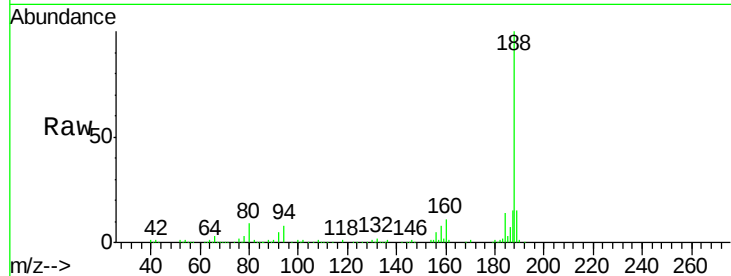




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.48 min Scan# 1597
Delta R.T. -0.01 min
Lab File: BF110604.D
Acq: 9 Nov 2018 00:02

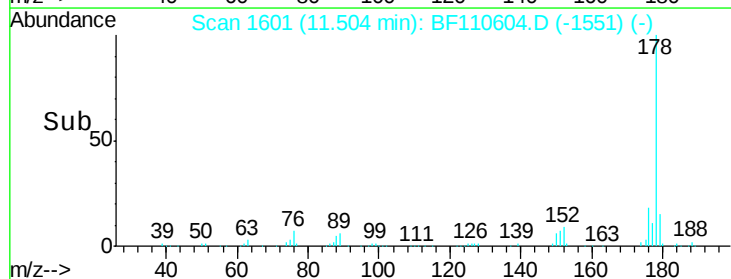
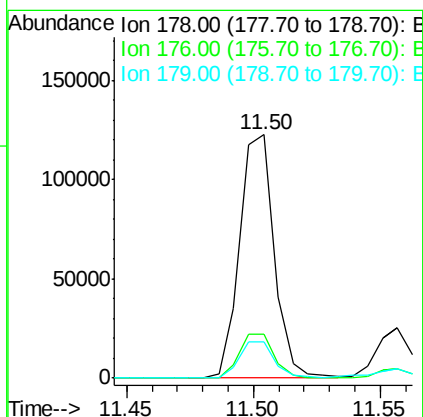
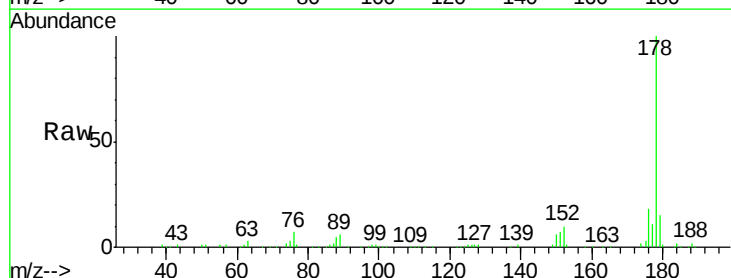
Instrument :
BNA_F
ClientSampleId :

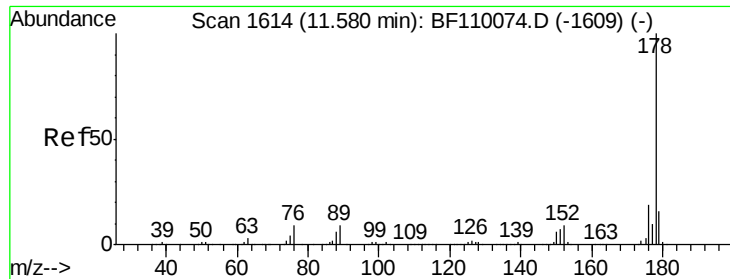
Tot Ion:188 Resp: 232108
Ion Ratio Lower Upper
188 100
94 8.0 7.2 10.8
80 8.6 7.9 11.9



#71
Phenanthrene
Concen: 9.38 ng
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: BF110604.D
Acq: 9 Nov 2018 00:02

Tgt Ion:178 Resp: 116614
Ion Ratio Lower Upper
178 100
176 18.3 15.5 23.3
179 15.0 12.5 18.7





#72

Anthracene

Concen: 9.30 ng

RT: 11.50 min Scan# 1601

Delta R.T. -0.06 min

Lab File: BF110604.D

Acq: 9 Nov 2018 00:02

Instrument :

BNA_F

ClientSampleId :

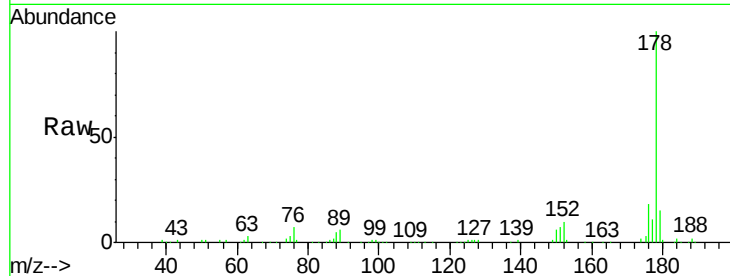
Tot Ion:178 Resp: 116614

Ion Ratio Lower Upper

178 100

176 18.3 15.4 23.2

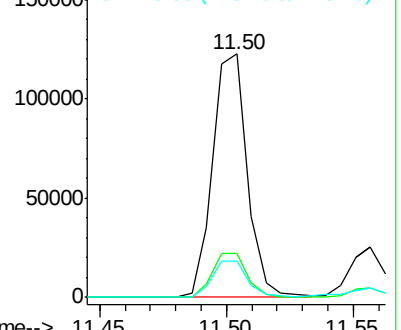
179 15.0 12.6 18.8



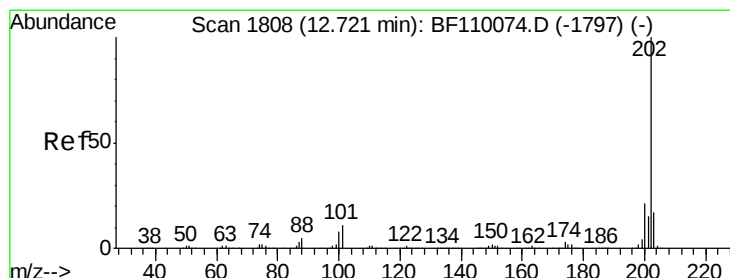
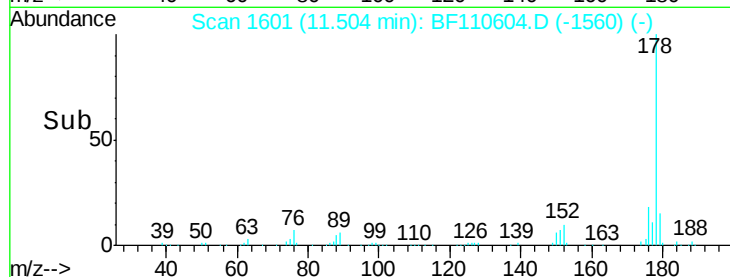
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#75

Fluoranthene

Concen: 7.31 ng

RT: 12.70 min Scan# 1804

Delta R.T. -0.01 min

Lab File: BF110604.D

Acq: 9 Nov 2018 00:02

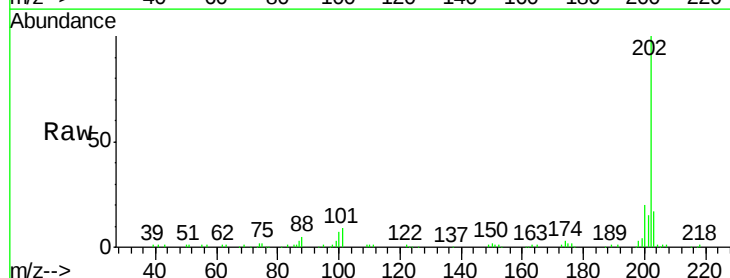
Tgt Ion:202 Resp: 91156

Ion Ratio Lower Upper

202 100

101 9.4 0.0 31.4

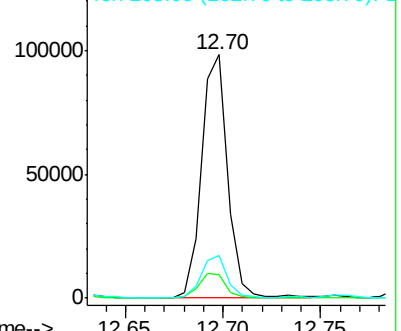
203 17.5 0.0 37.7



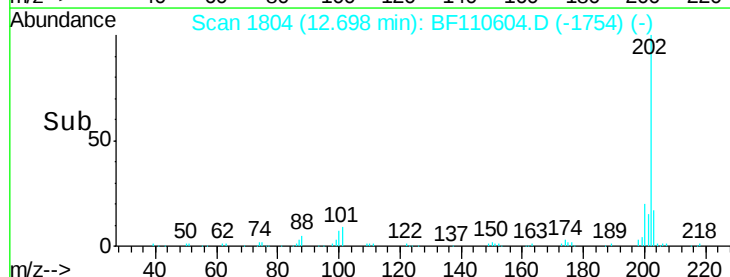
Abundance Ion 202.00 (201.70 to 202.70): E

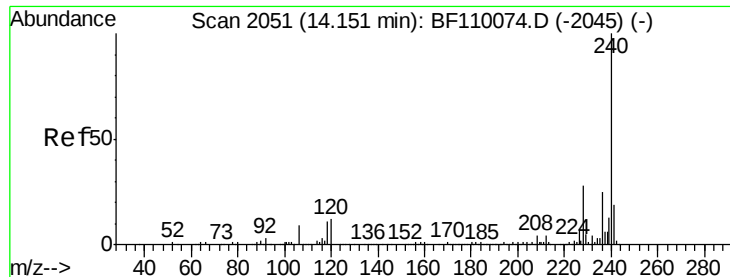
Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->

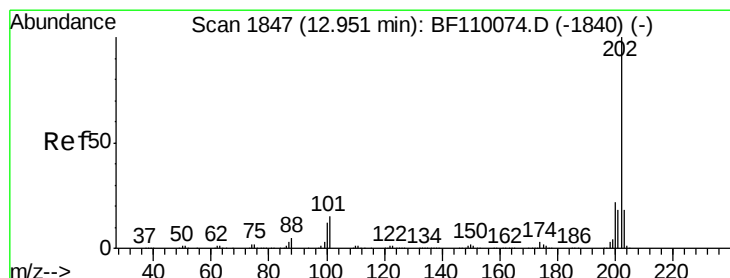
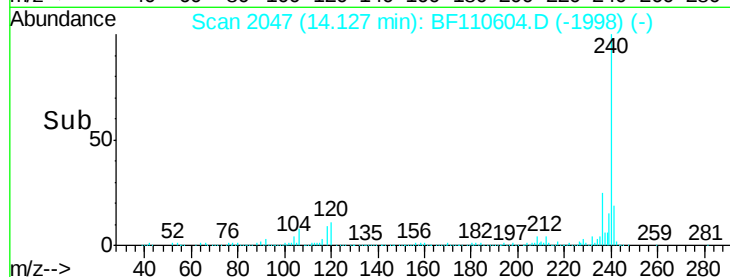
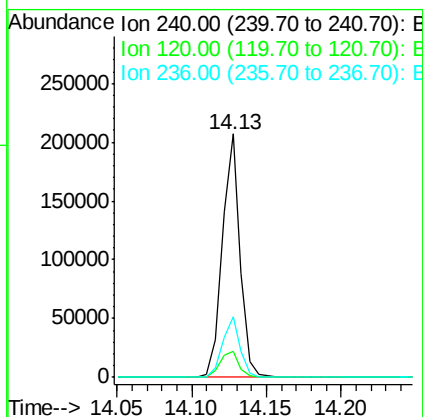
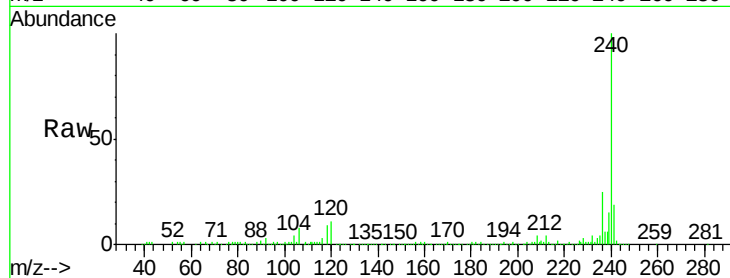




#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.13 min Scan# 2047
Delta R.T. -0.01 min
Lab File: BF110604.D
Acq: 9 Nov 2018 00:02

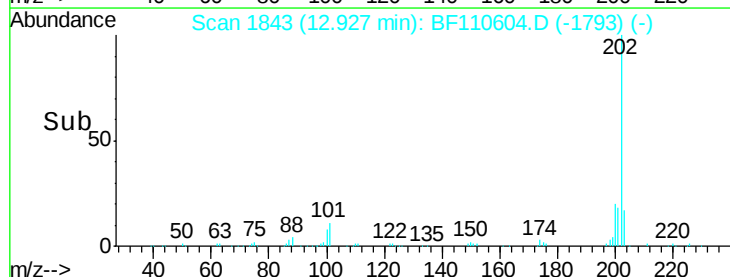
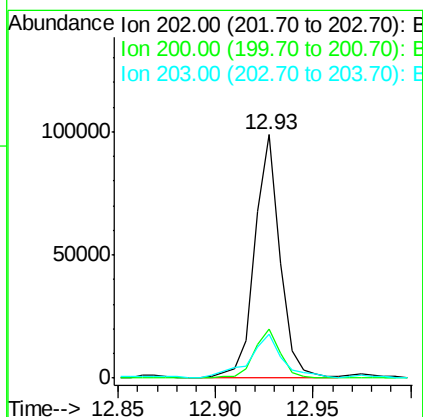
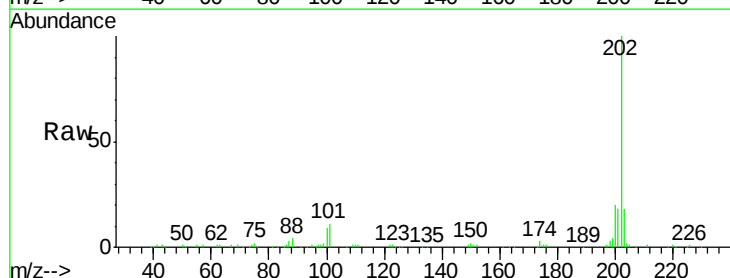
Instrument :
BNA_F
ClientSampleId :

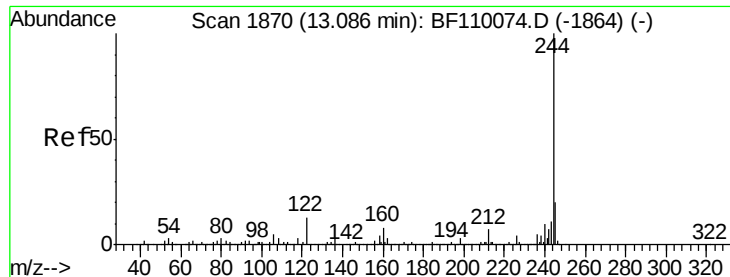
Tot Ion:240 Resp: 173314
Ion Ratio Lower Upper
240 100
120 10.8 8.3 12.5
236 24.8 21.2 31.8



#78
Pyrene
Concen: 6.67 ng
RT: 12.93 min Scan# 1843
Delta R.T. -0.01 min
Lab File: BF110604.D
Acq: 9 Nov 2018 00:02

Tgt Ion:202 Resp: 89043
Ion Ratio Lower Upper
202 100
200 20.3 17.8 26.6
203 18.0 14.2 21.4





#79

Terphenyl-d14

Concen: 21.23 ng

RT: 13.06 min Scan# 1865

Delta R.T. -0.01 min

Lab File: BF110604.D

Acq: 9 Nov 2018 00:02

Instrument :

BNA_F

ClientSampleId :

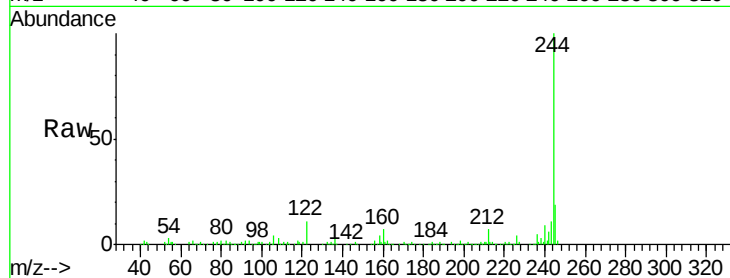
Tot Ion:244 Resp: 196470

Ion Ratio Lower Upper

244 100

212 6.7 5.8 8.8

122 11.4 8.7 13.1

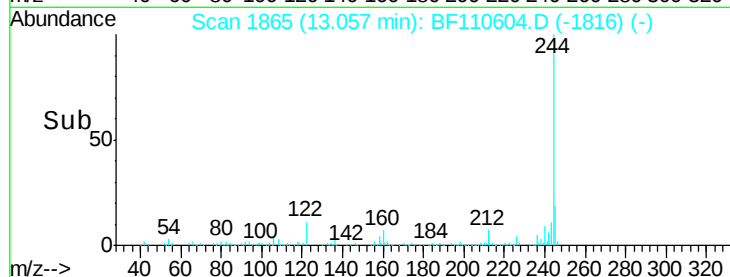


Abundance Ion 244.00 (243.70 to 244.70): E

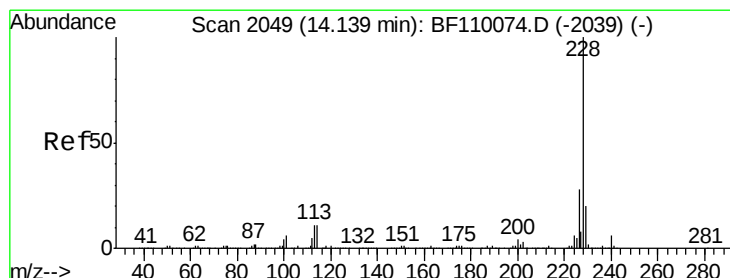
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

Time--> 13.00 13.05 13.10



Time--> 13.00 13.05 13.10



#81

Benzo(a)anthracene

Concen: 3.41 ng

RT: 14.12 min Scan# 2045

Delta R.T. -0.01 min

Lab File: BF110604.D

Acq: 9 Nov 2018 00:02

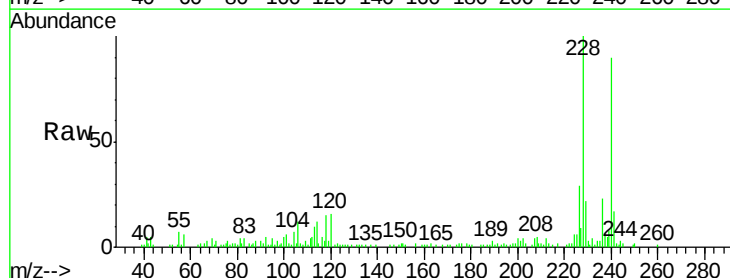
Tgt Ion:228 Resp: 35371

Ion Ratio Lower Upper

228 100

226 28.7 22.1 33.1

229 21.8 15.6 23.4

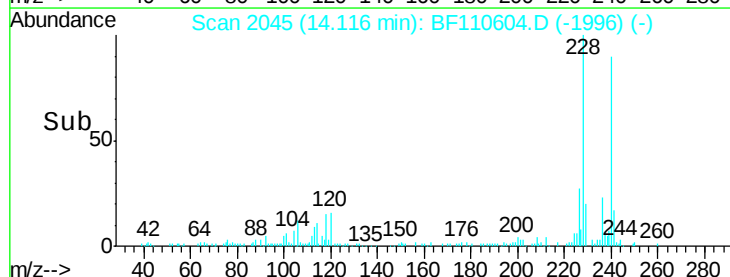


Abundance Ion 228.00 (227.70 to 228.70): E

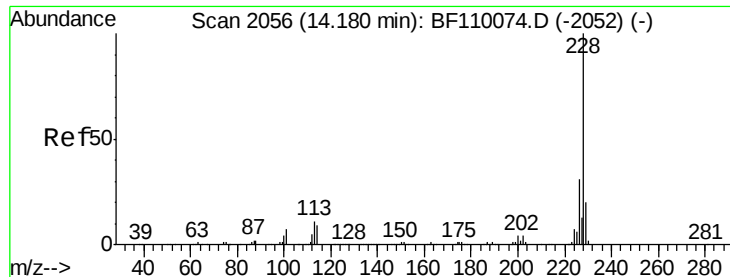
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

Time--> 14.05 14.10 14.15



Time--> 14.05 14.10 14.15



#83

Chrysene

Concen: 3.58 ng

RT: 14.12 min Scan# 2045

Delta R.T. -0.05 min

Lab File: BF110604.D

Acq: 9 Nov 2018 00:02

Instrument :

BNA_F

ClientSampleId :

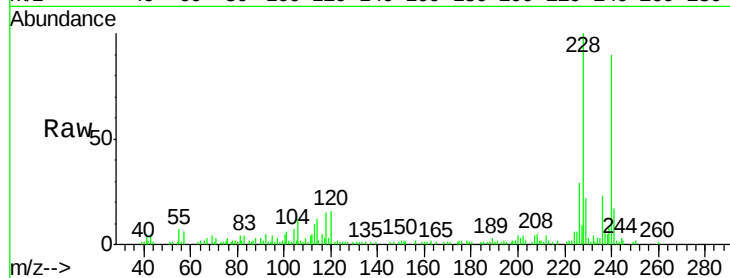
Tot Ion:228 Resp: 35371

Ion Ratio Lower Upper

228 100

226 28.7 24.7 37.1

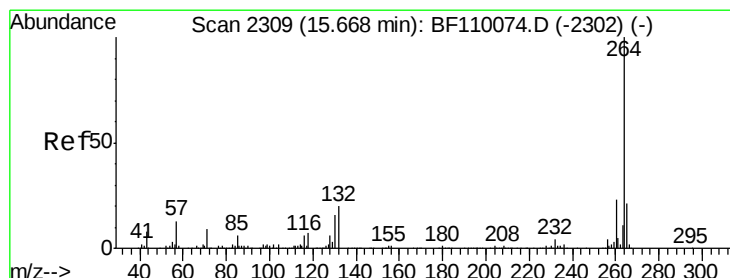
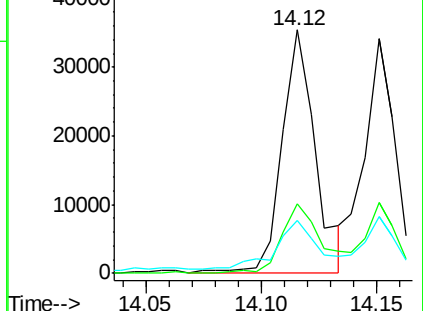
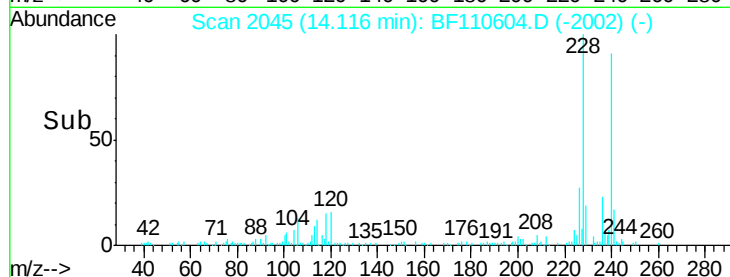
229 21.8 15.9 23.9



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

Perylene-d12

Concen: 20.00 ng

RT: 15.65 min Scan# 2306

Delta R.T. -0.01 min

Lab File: BF110604.D

Acq: 9 Nov 2018 00:02

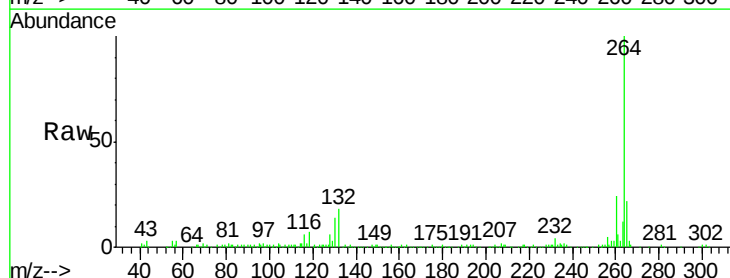
Tgt Ion:264 Resp: 147235

Ion Ratio Lower Upper

264 100

260 23.7 18.7 28.1

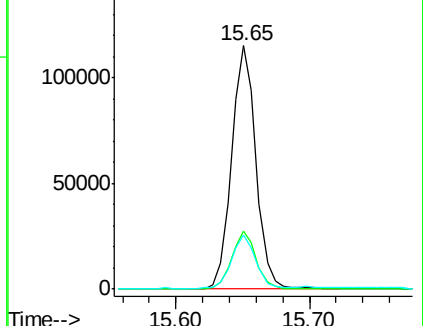
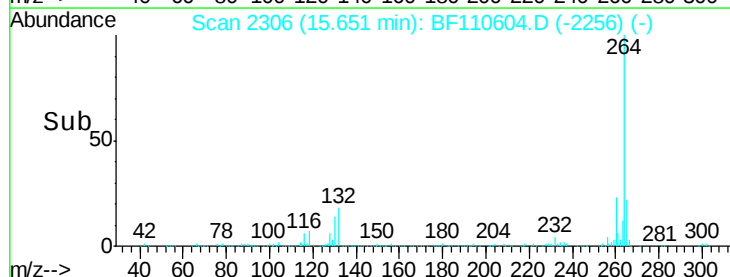
265 22.1 16.7 25.1

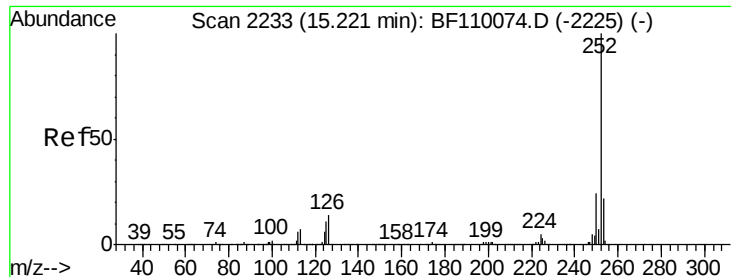


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

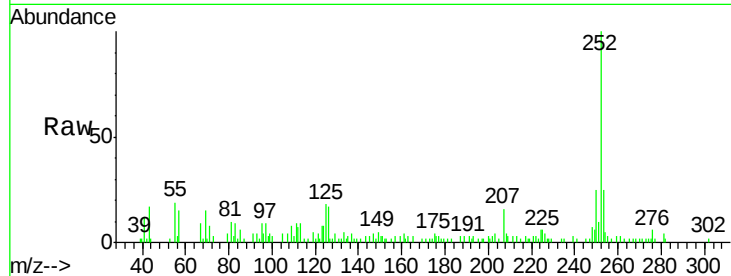




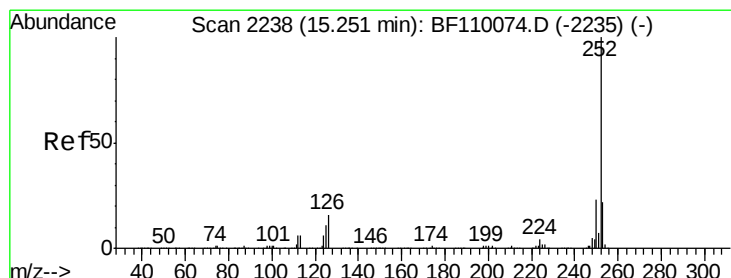
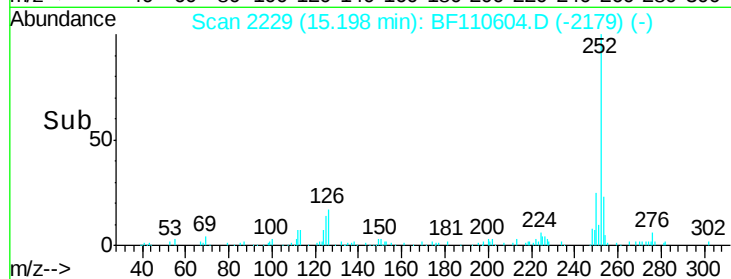
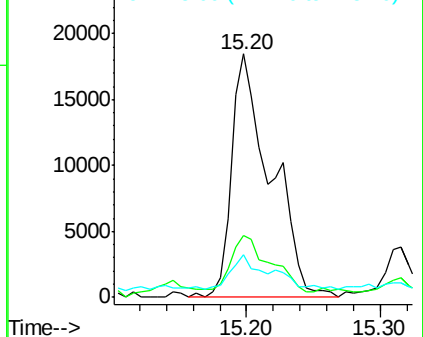
#88
Benzo(b)fluoranthene
Concen: 4.29 ng
RT: 15.20 min Scan# 2229
Delta R.T. -0.01 min
Lab File: BF110604.D
Acq: 9 Nov 2018 00:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.3	17.2	25.8
125	17.8	8.2	12.4

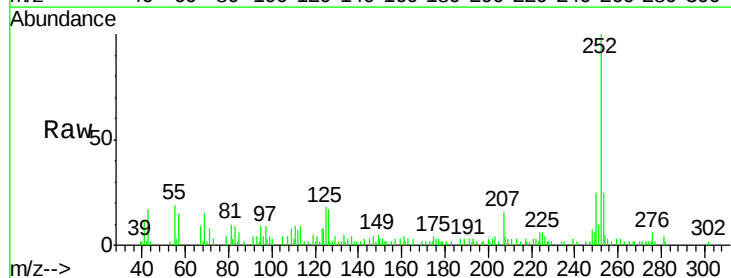


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

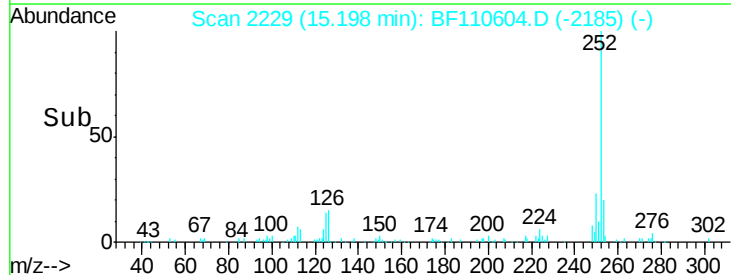
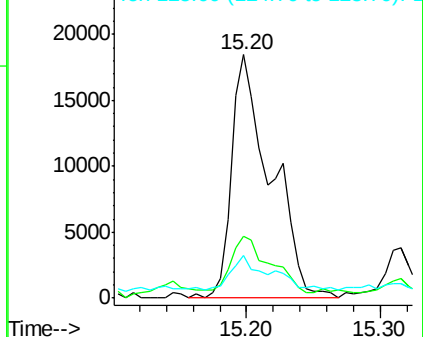


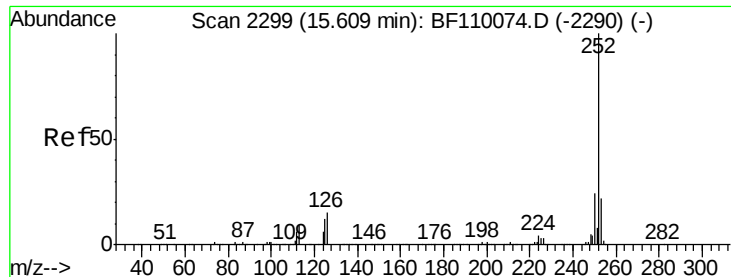
#89
Benzo(k)fluoranthene
Concen: 4.34 ng
RT: 15.20 min Scan# 2229
Delta R.T. -0.04 min
Lab File: BF110604.D
Acq: 9 Nov 2018 00:02

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.3	17.2	25.8
125	17.8	7.4	11.0



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





#90

Benzo(a)pyrene

Concen: 2.91 ng

RT: 15.59 min Scan# 2295

Delta R.T. -0.01 min

Lab File: BF110604.D

Acq: 9 Nov 2018 00:02

Instrument :

BNA_F

ClientSampleId :

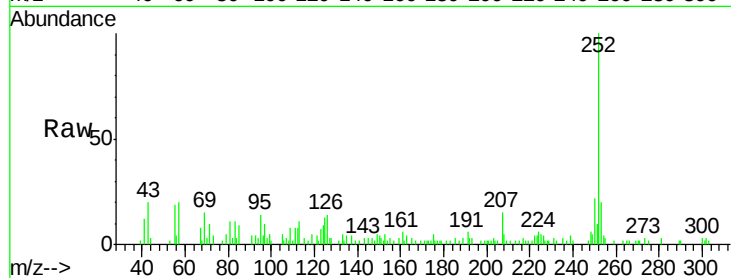
Tot Ion:252 Resp: 23300

Ion Ratio Lower Upper

252 100

253 20.2 18.2 27.4

125 12.8 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

