

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111518\
 Data File : BF110799.D
 Acq On : 15 Nov 2018 20:13
 Operator : JU/SJ
 Sample : J5767-15 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 16 04:29:30 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 13 12:43:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.94	152	60468	20.00	ng	0.00
21) Naphthalene-d8	8.22	136	241737	20.00	ng	0.00
39) Acenaphthene-d10	9.98	164	105635	20.00	ng	-0.01
64) Phenanthrene-d10	11.48	188	174246	20.00	ng	0.00
76) Chrysene-d12	14.13	240	157672	20.00	ng	0.00
87) Perylene-d12	15.66	264	112824	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.55	112	193253	51.91	ng	-0.01
7) Phenol-d6	6.56	99	244770	51.42	ng	-0.01
23) Nitrobenzene-d5	7.50	82	150704	35.90	ng	-0.01
42) 2,4,6-Tribromophenol	10.77	330	49187	46.21	ng	-0.01
45) 2-Fluorobiphenyl	9.29	172	278306	37.63	ng	-0.01
79) Terphenyl-d14	13.06	244	236707	28.12	ng	-0.01

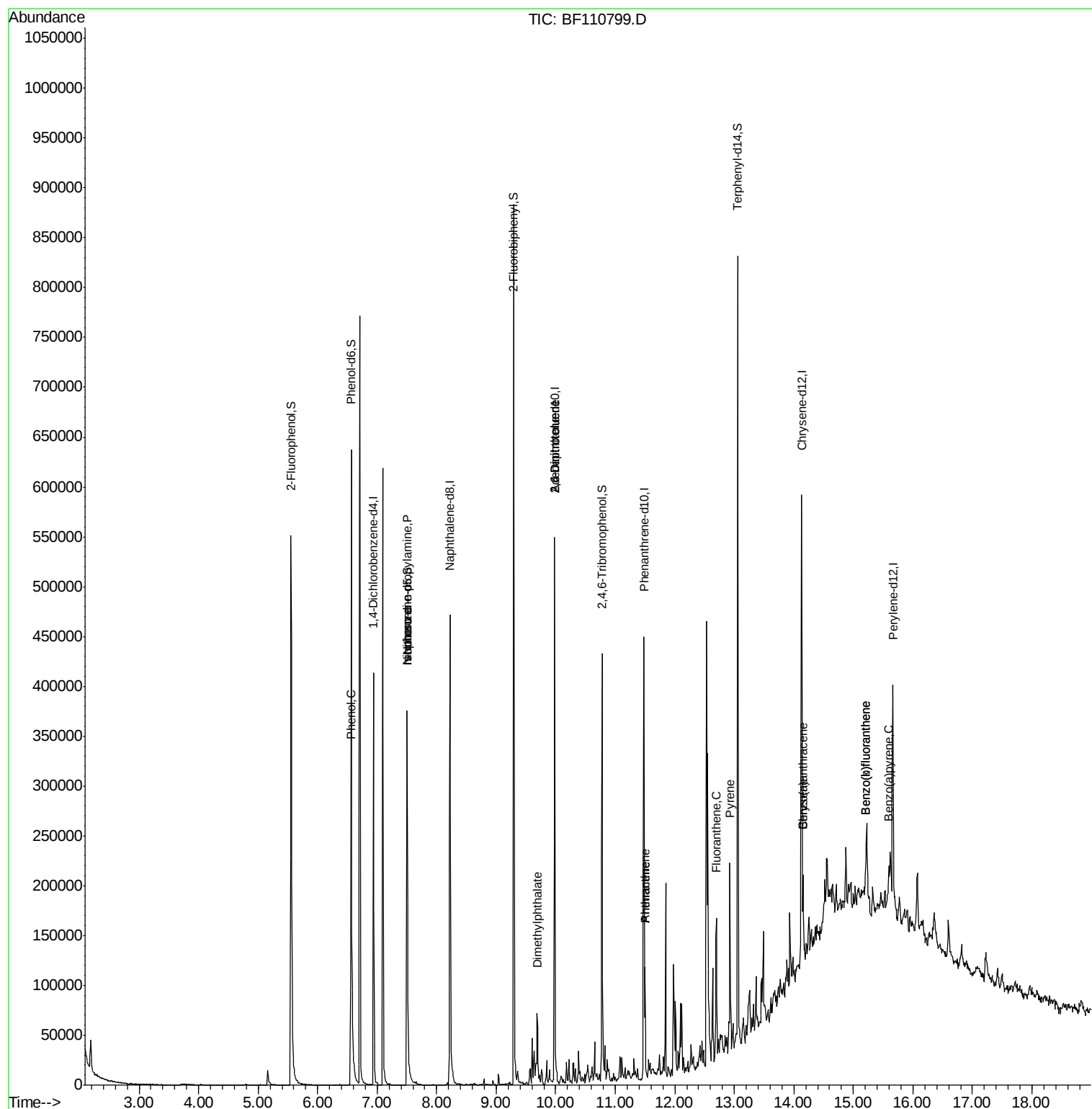
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.56	77	359	Below Cal		# 1
10) Phenol	6.57	94	12300	2.228	ng	# 86
19) n-Nitroso-di-n-propylamine	7.50	70	20035	6.593	ng	# 75
25) Isophorone	7.50	82	150715	21.907	ng	# 67
50) Dimethylphthalate	9.69	163	27671	3.511	ng	# 100
51) 2,6-Dinitrotoluene	9.98	165	13582	7.833	ng	# 21
57) 2,4-Dinitrotoluene	9.98	165	13582	6.024	ng	# 17
71) Phenanthrene	11.50	178	44457	4.762	ng	# 97
72) Anthracene	11.50	178	44457	4.721	ng	# 97
75) Fluoranthene	12.70	202	50025	5.345	ng	# 98
78) Pyrene	12.93	202	70621	5.817	ng	# 97
81) Benzo(a)anthracene	14.16	228	32270	3.424	ng	# 92
83) Chrysene	14.16	228	32270	3.594	ng	# 96
88) Benzo(b)fluoranthene	15.20	252	27852	4.127	ng	# 77
89) Benzo(k)fluoranthene	15.20	252	27852	4.176	ng	# 75
90) Benzo(a)pyrene	15.60	252	15563	2.538	ng	# 82

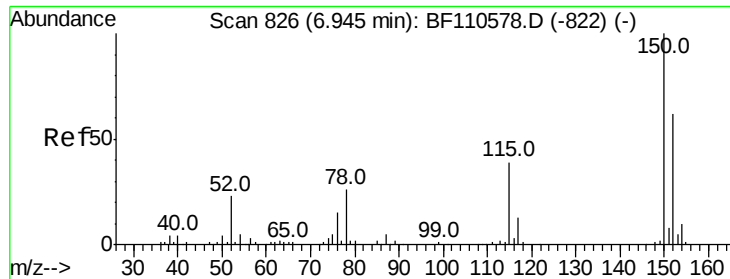
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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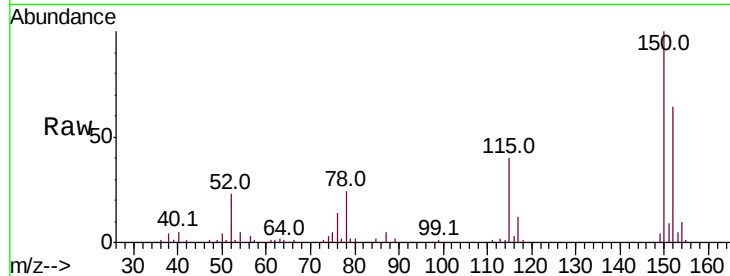


#1

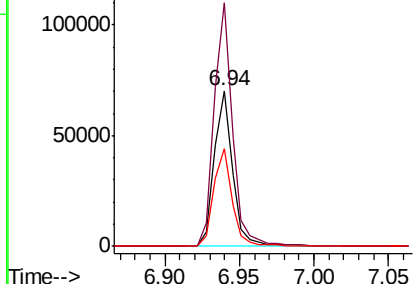
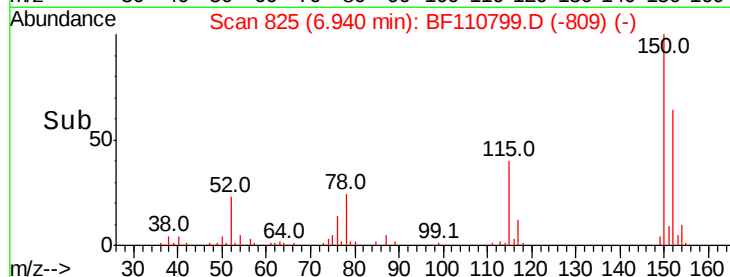
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.94 min Scan# 825
Delta R.T. -0.01 min
Lab File: BF110799.D
Acq: 15 Nov 2018 20:13

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 60468
Ion Ratio Lower Upper
152 100
150 156.6 122.7 184.1
115 62.6 49.1 73.7



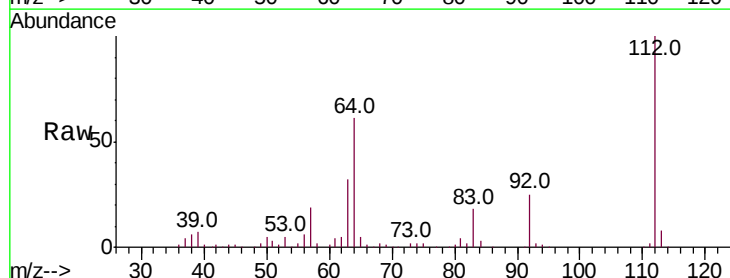
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



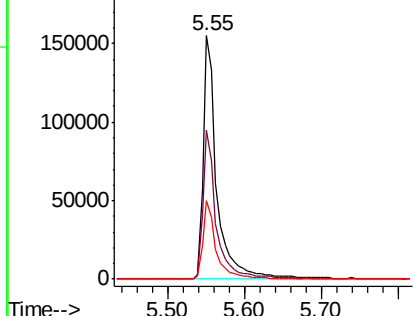
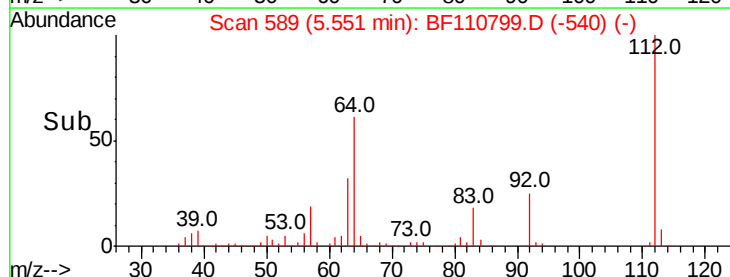
#5

2-Fluorophenol
Concen: 51.912 ng
RT: 5.55 min Scan# 589
Delta R.T. -0.01 min
Lab File: BF110799.D
Acq: 15 Nov 2018 20:13

Tgt Ion:112 Resp: 193253
Ion Ratio Lower Upper
112 100
64 61.2 44.1 66.1
63 32.2 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: 51.418 ng

RT: 6.56 min Scan# 761

Delta R.T. -0.01 min

Lab File: BF110799.D

Acq: 15 Nov 2018 20:13

Instrument :

BNA_F

ClientSampled :

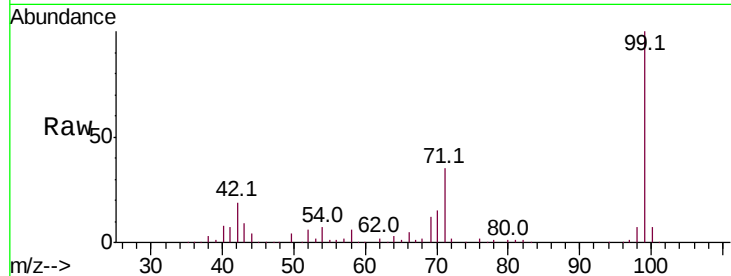
Tot Ion: 99 Resp: 244770

Ion Ratio Lower Upper

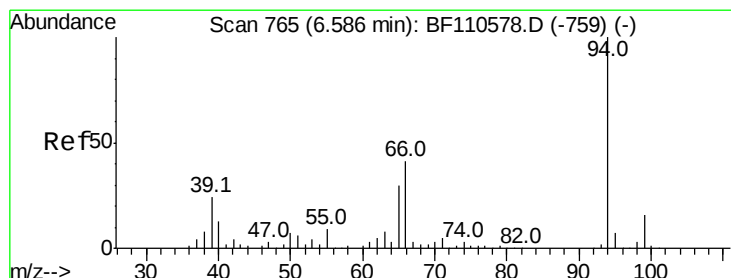
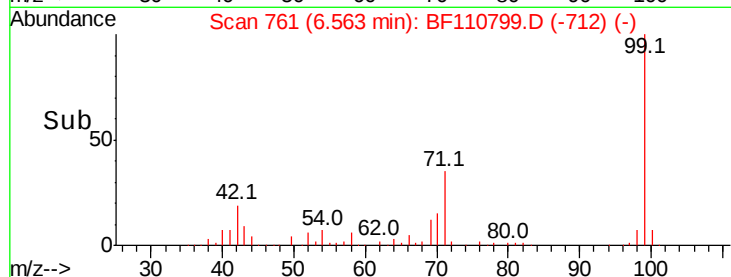
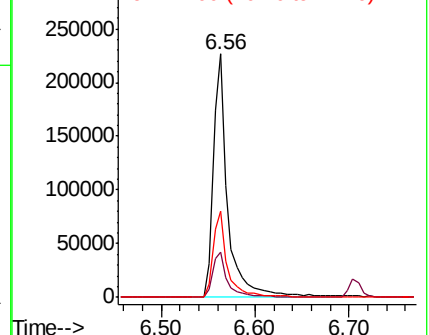
99 100

42 18.8 15.8 23.6

71 35.2 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



#10

Phenol

Concen: 2.228 ng

RT: 6.57 min Scan# 763

Delta R.T. -0.01 min

Lab File: BF110799.D

Acq: 15 Nov 2018 20:13

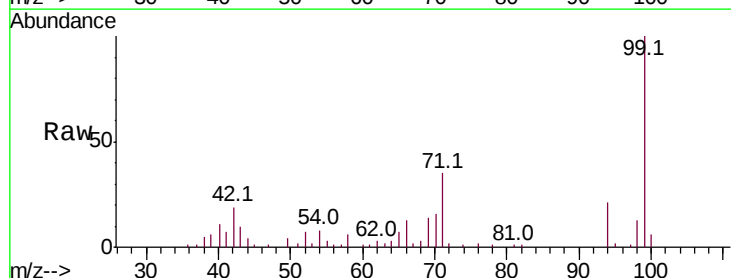
Tgt Ion: 94 Resp: 12300

Ion Ratio Lower Upper

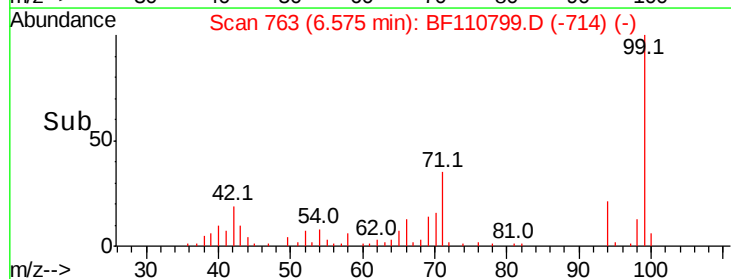
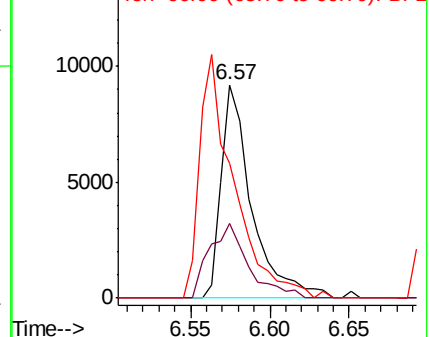
94 100

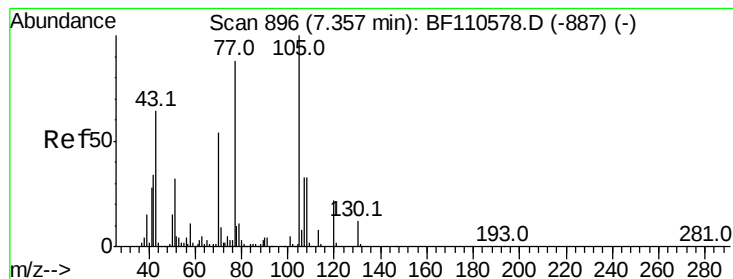
65 35.2 25.3 65.3

66 63.6 54.5 94.5



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: 6.593 ng

RT: 7.50 min Scan# 921

Delta R.T. 0.15 min

Lab File: BF110799.D

Acq: 15 Nov 2018 20:13

Instrument :

BNA_F

ClientSampled :

Tot Ion: 70 Resp: 20035

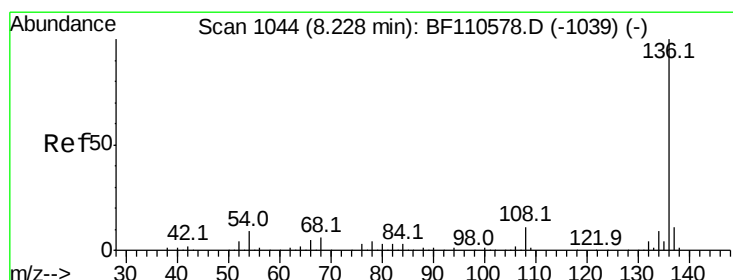
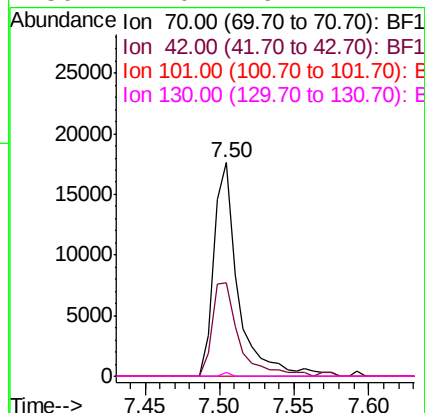
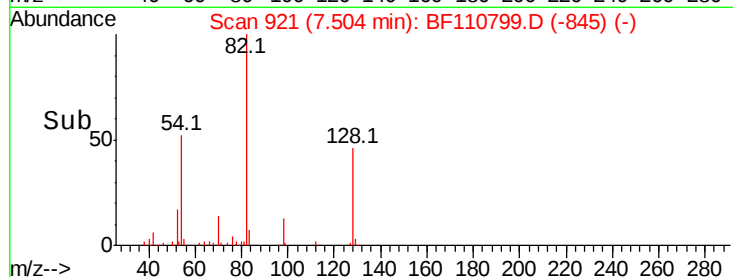
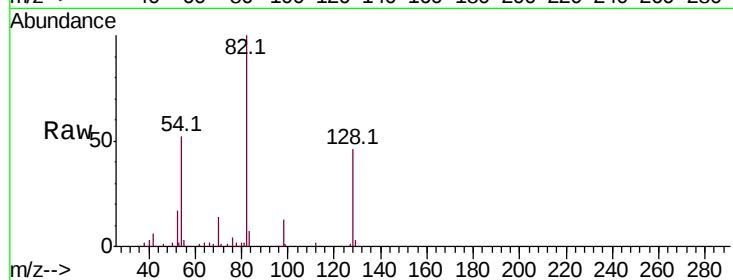
Ion Ratio Lower Upper

70 100

42 43.9 47.4 71.2#

101 0.0 7.3 10.9#

130 2.0 16.2 24.2#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.22 min Scan# 1043

Delta R.T. -0.01 min

Lab File: BF110799.D

Acq: 15 Nov 2018 20:13

Tgt Ion: 136 Resp: 241737

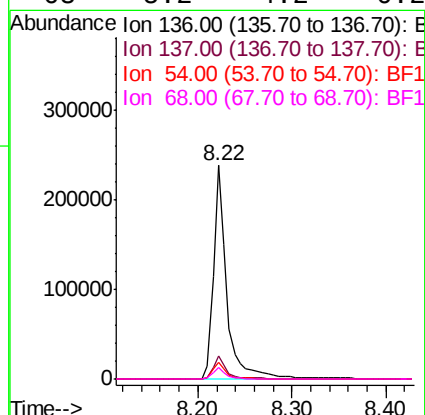
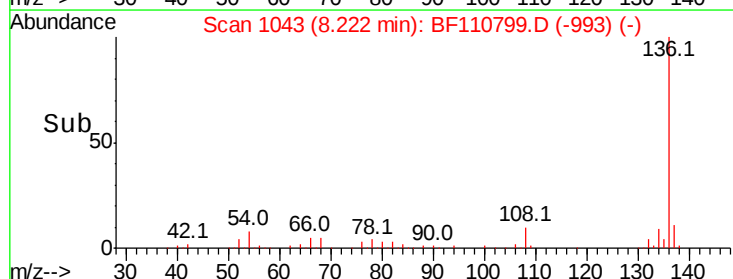
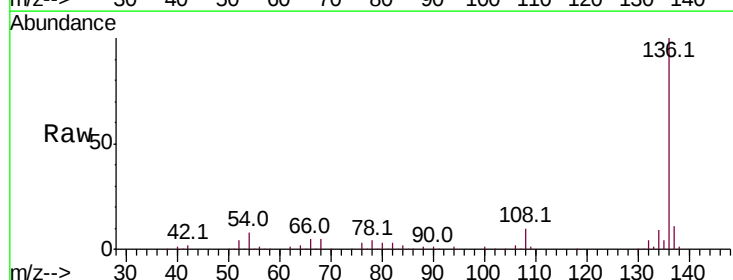
Ion Ratio Lower Upper

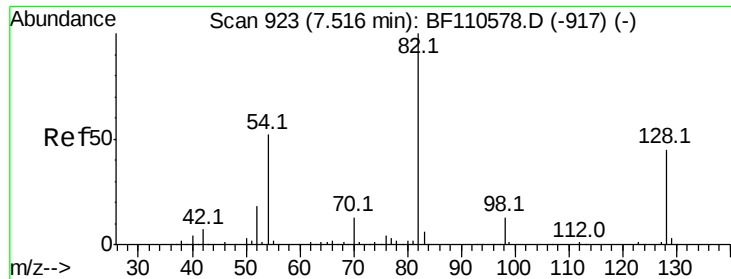
136 100

137 10.9 8.8 13.2

54 7.7 5.4 8.2

68 5.2 4.2 6.2

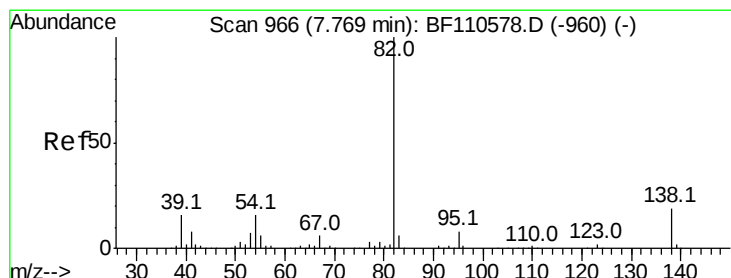
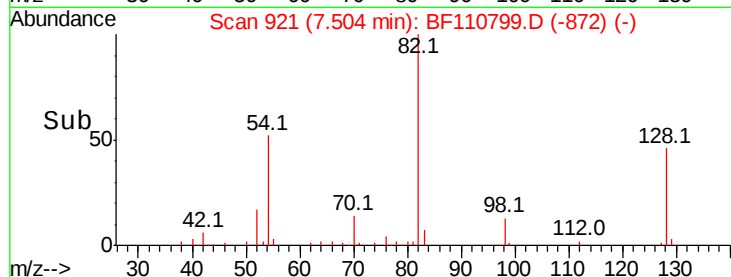
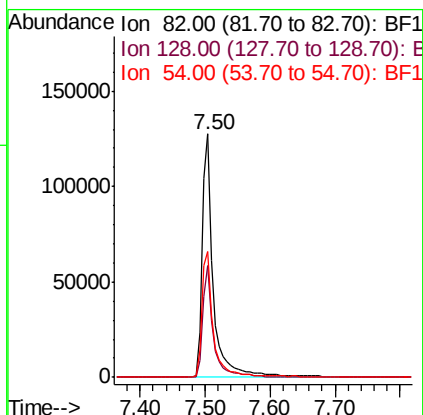
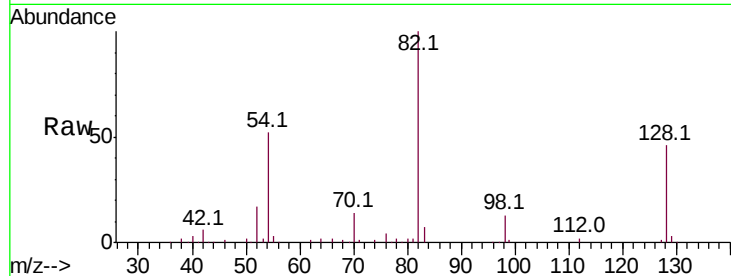




#23
Nitrobenzene-d5
Concen: 35.903 ng
RT: 7.50 min Scan# 921
Delta R.T. -0.01 min
Lab File: BF110799.D
Acq: 15 Nov 2018 20:13

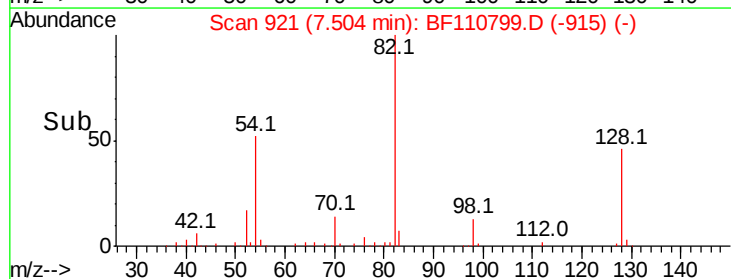
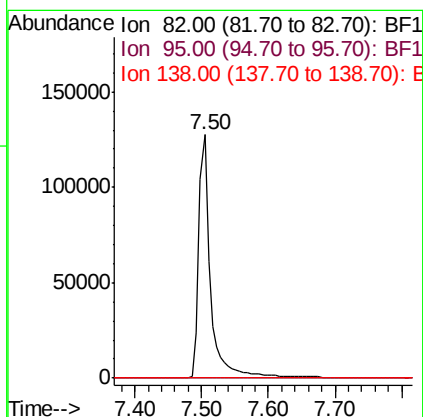
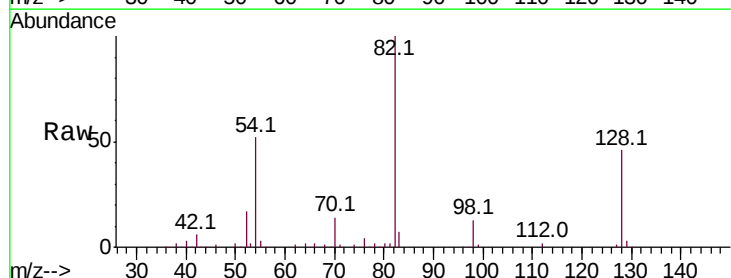
Instrument :
BNA_F
ClientSampleId :

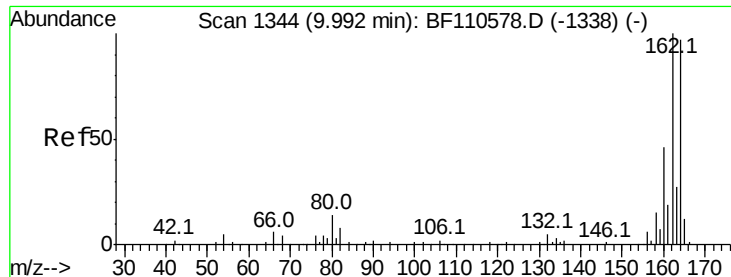
Tot Ion	Ratio	Lower	Upper
82	100		
128	46.2	34.2	51.2
54	51.9	38.6	58.0



#25
Isophorone
Concen: 21.907 ng
RT: 7.50 min Scan# 921
Delta R.T. -0.26 min
Lab File: BF110799.D
Acq: 15 Nov 2018 20:13

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.7	8.5#
138	0.0	13.2	19.8#

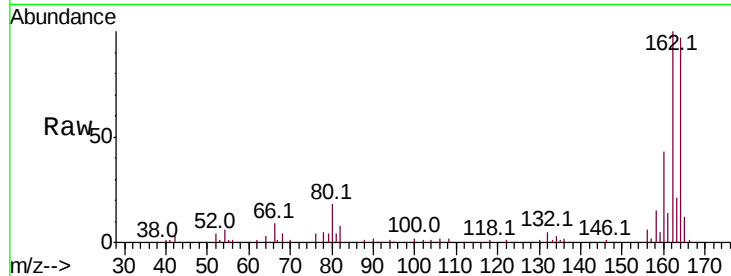




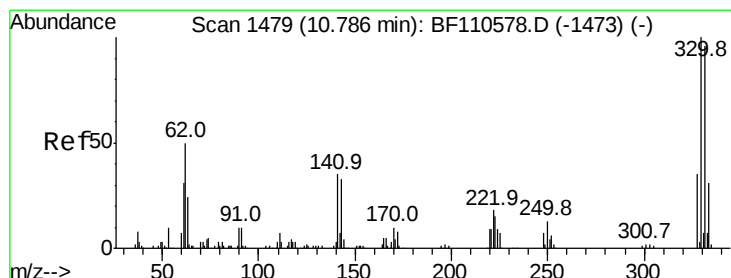
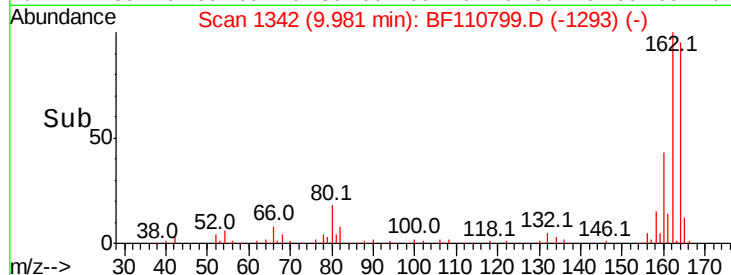
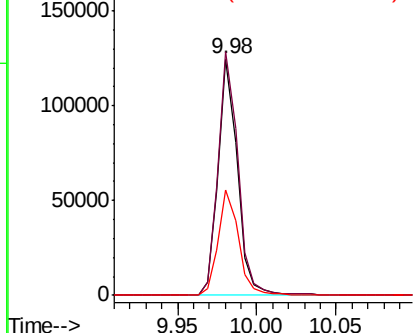
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.98 min Scan# 1342
Delta R.T. -0.01 min
Lab File: BF110799.D
Acq: 15 Nov 2018 20:13

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 105635
Ion Ratio Lower Upper
164 100
162 103.2 83.0 124.6
160 44.8 37.0 55.6

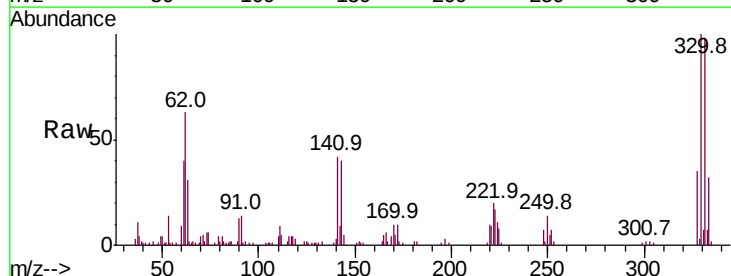


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

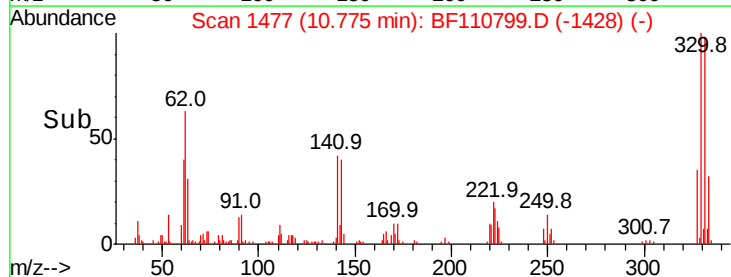
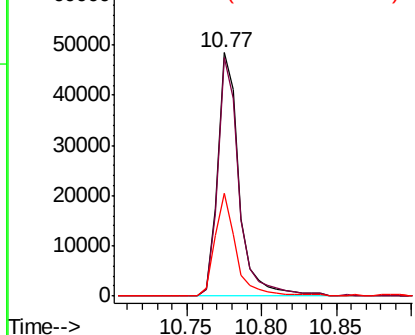


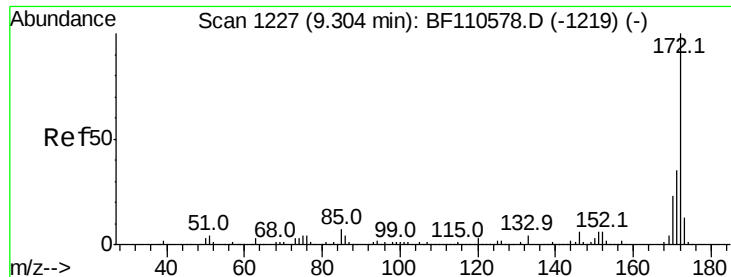
#42
2,4,6-Tribromophenol
Concen: 46.211 ng
RT: 10.77 min Scan# 1477
Delta R.T. -0.01 min
Lab File: BF110799.D
Acq: 15 Nov 2018 20:13

Tgt Ion:330 Resp: 49187
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

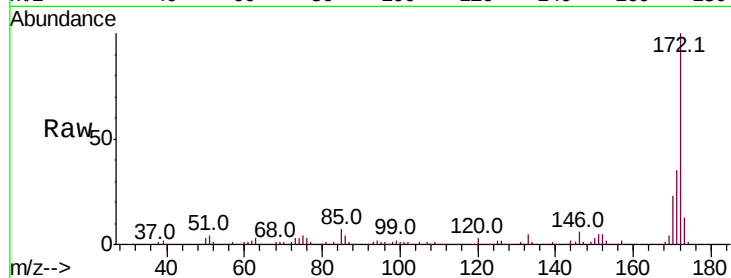




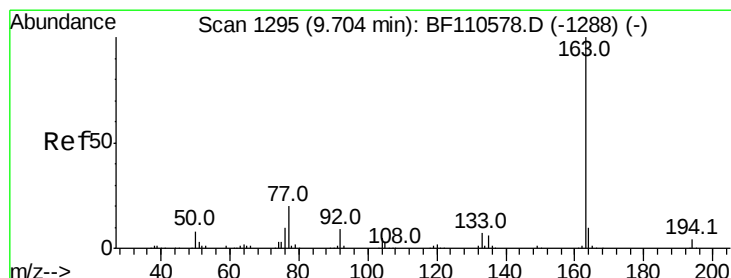
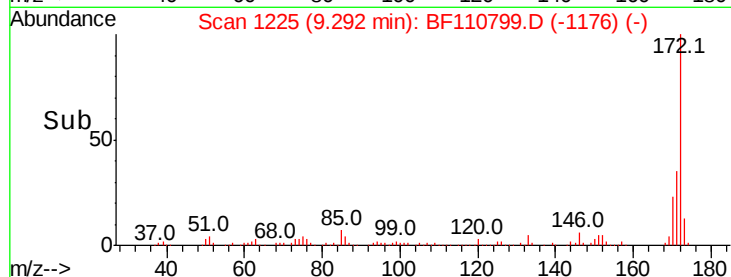
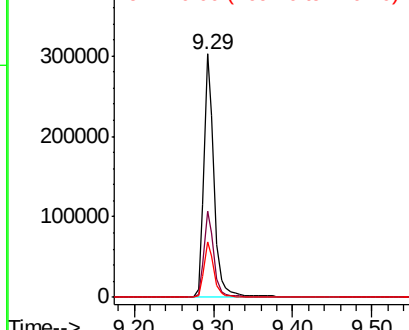
#45
2-Fluorobiphenyl
Concen: 37.627 ng
RT: 9.29 min Scan# 1225
Delta R.T. -0.01 min
Lab File: BF110799.D
Acq: 15 Nov 2018 20:13

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.6	43.0
170	23.0	19.7	29.5

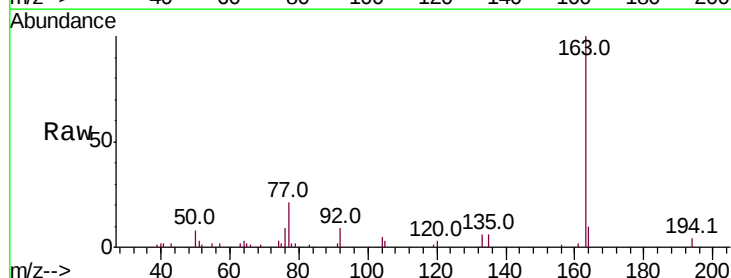


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

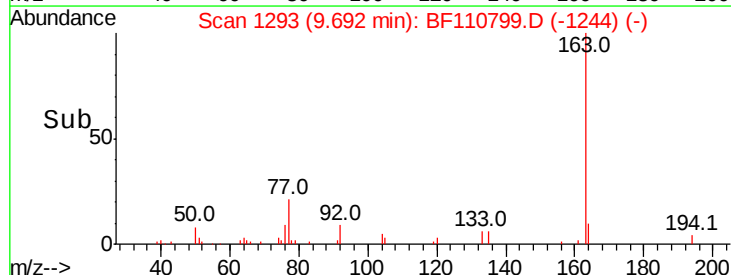
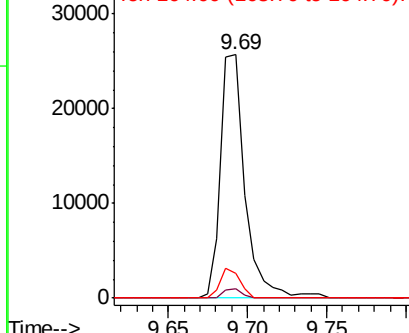


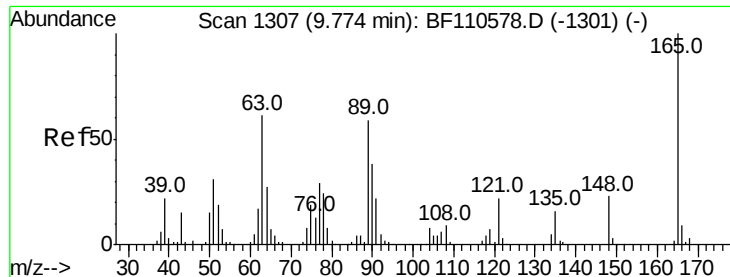
#50
Dimethylphthalate
Concen: 3.511 ng
RT: 9.69 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BF110799.D
Acq: 15 Nov 2018 20:13

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.2	4.8
164	10.0	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





#51

2,6-Dinitrotoluene

Concen: 7.833 ng

RT: 9.98 min Scan# 1342

Delta R.T. 0.21 min

Lab File: BF110799.D

Acq: 15 Nov 2018 20:13

Instrument :
BNA_F
ClientSampleId :

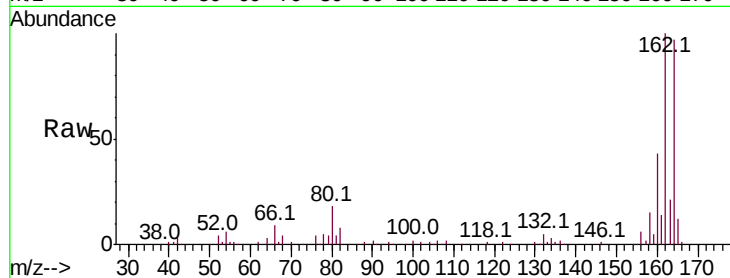
Tot Ion:165 Resp: 13582

Ion Ratio Lower Upper

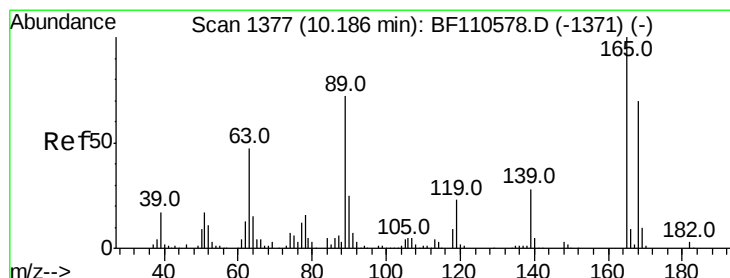
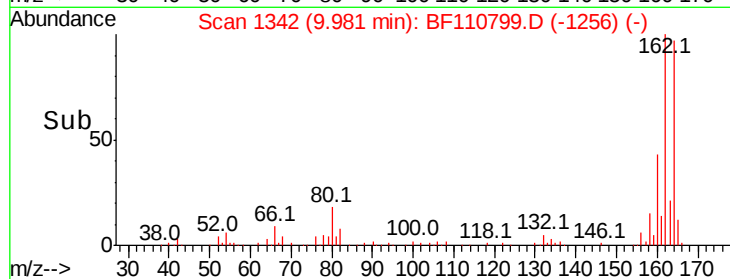
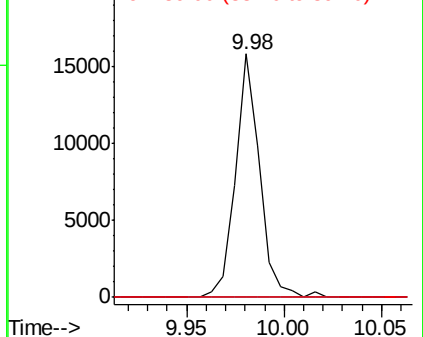
165 100

63 0.0 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: 6.024 ng

RT: 9.98 min Scan# 1342

Delta R.T. -0.21 min

Lab File: BF110799.D

Acq: 15 Nov 2018 20:13

Tgt Ion:165 Resp: 13582

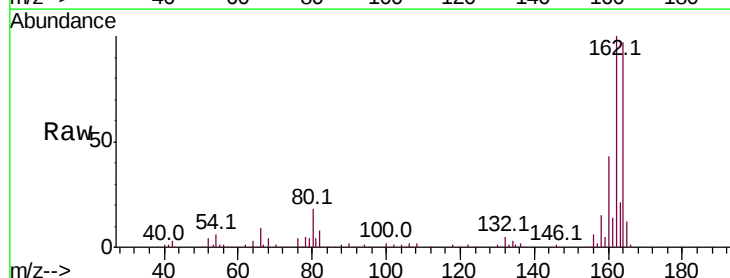
Ion Ratio Lower Upper

165 100

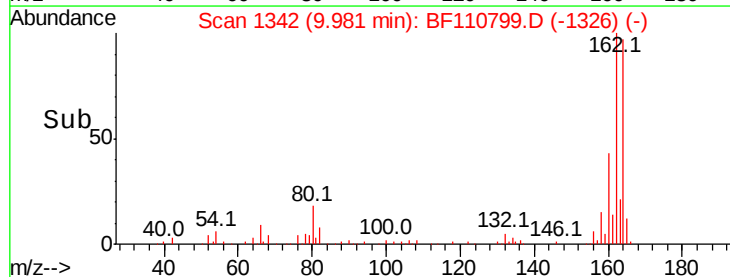
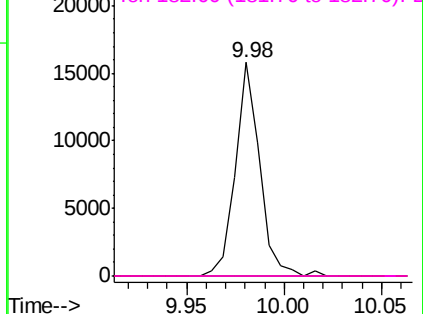
63 0.0 44.8 67.2#

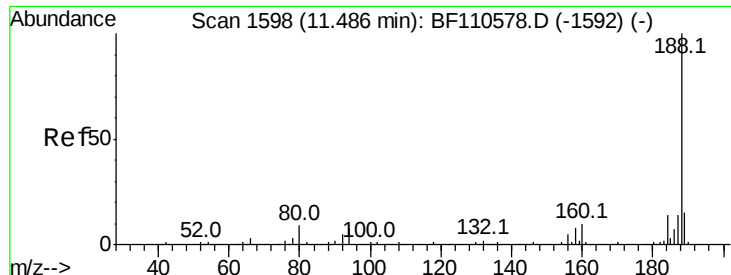
89 0.0 62.2 93.4#

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

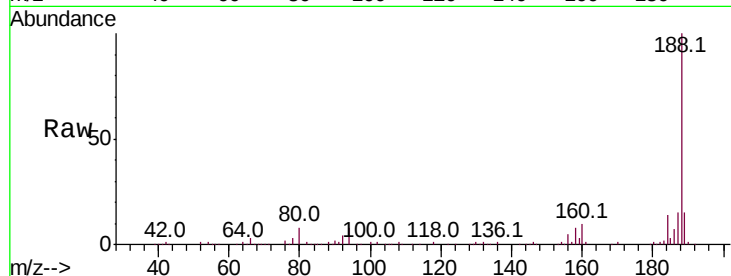




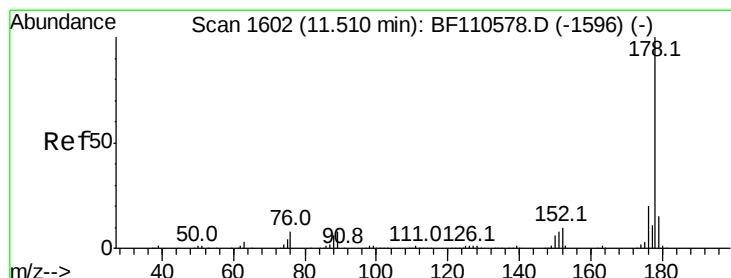
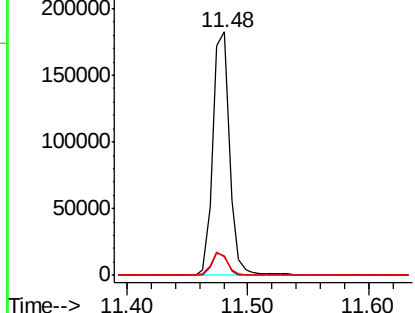
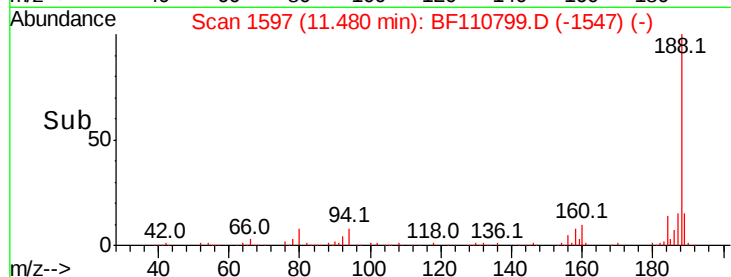
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.48 min Scan# 1597
Delta R.T. -0.01 min
Lab File: BF110799.D
Acq: 15 Nov 2018 20:13

Instrument :
BNA_F
ClientSampled :

Tot Ion:188 Resp: 174246
Ion Ratio Lower Upper
188 100
94 8.0 7.2 10.8
80 7.8 7.9 11.9#

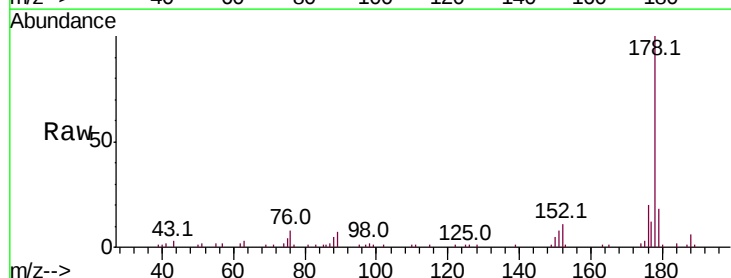


Abundance Ion 188.00 (187.70 to 188.70): E
250000
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

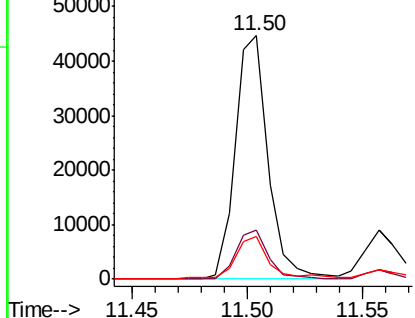
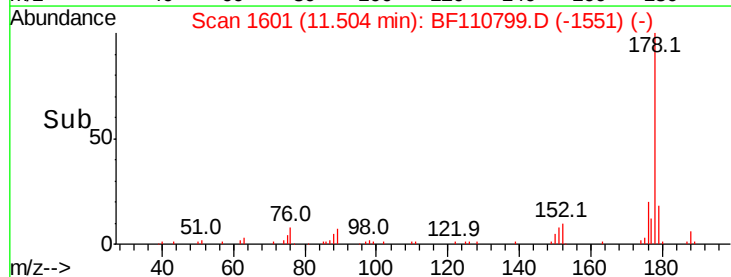


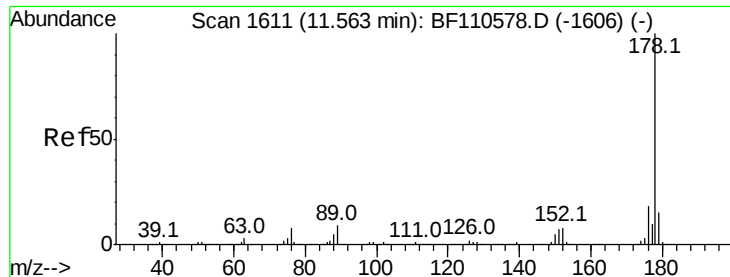
#71
Phenanthrene
Concen: 4.762 ng
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: BF110799.D
Acq: 15 Nov 2018 20:13

Tgt Ion:178 Resp: 44457
Ion Ratio Lower Upper
178 100
176 20.0 15.5 23.3
179 17.6 12.5 18.7



Abundance Ion 178.00 (177.70 to 178.70): E
60000
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

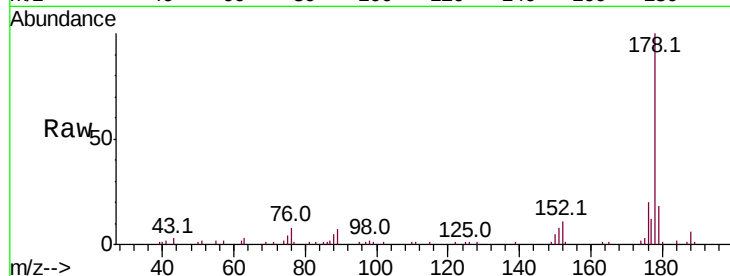




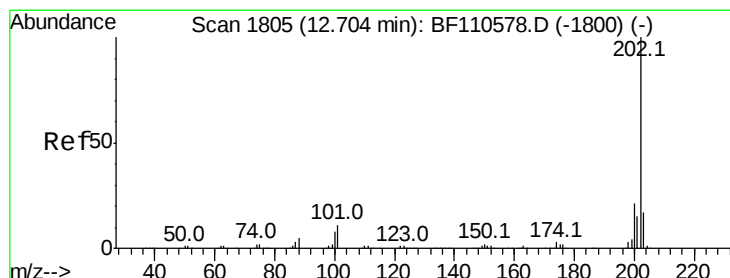
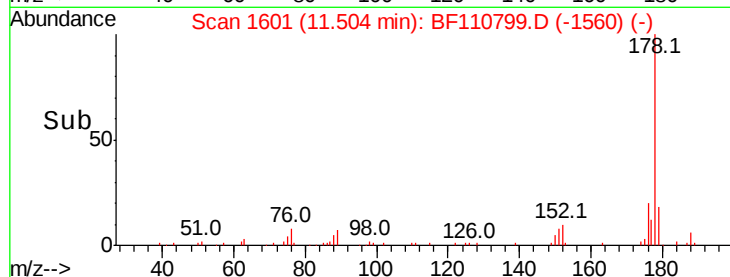
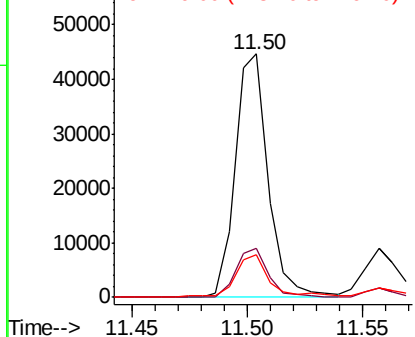
#72
 Anthracene
 Concen: 4.721 ng
 RT: 11.50 min Scan# 1601
 Delta R.T. -0.06 min
 Lab File: BF110799.D
 Acq: 15 Nov 2018 20:13

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:178 Resp: 44457
 Ion Ratio Lower Upper
 178 100
 176 20.0 15.4 23.2
 179 17.6 12.6 18.8

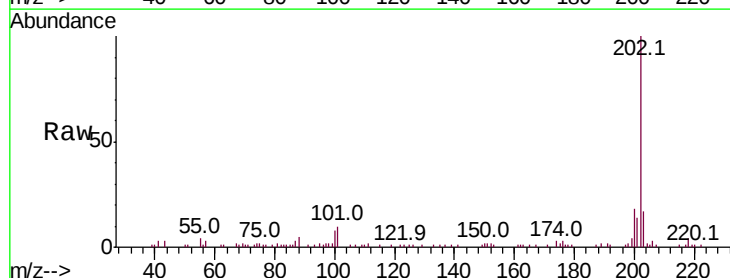


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

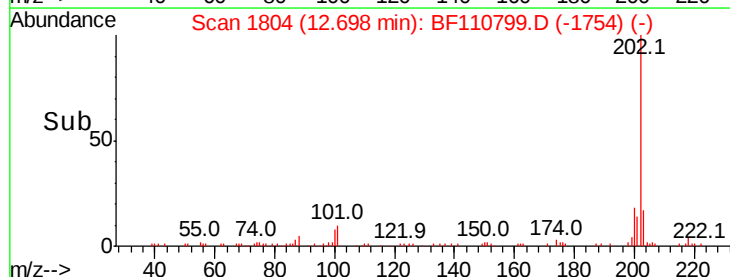
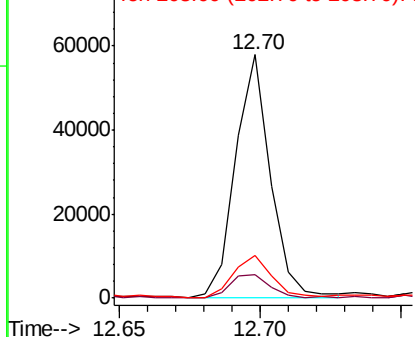


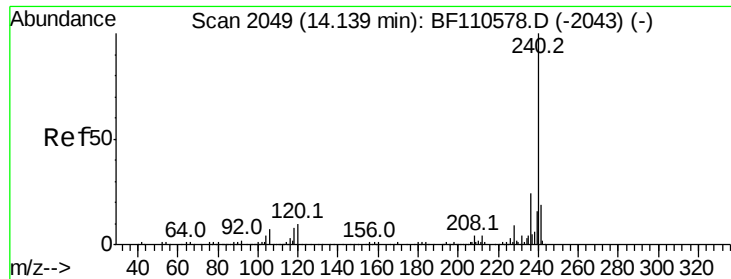
#75
 Fluoranthene
 Concen: 5.345 ng
 RT: 12.70 min Scan# 1804
 Delta R.T. -0.01 min
 Lab File: BF110799.D
 Acq: 15 Nov 2018 20:13

Tgt Ion:202 Resp: 50025
 Ion Ratio Lower Upper
 202 100
 101 9.7 0.0 31.4
 203 17.4 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

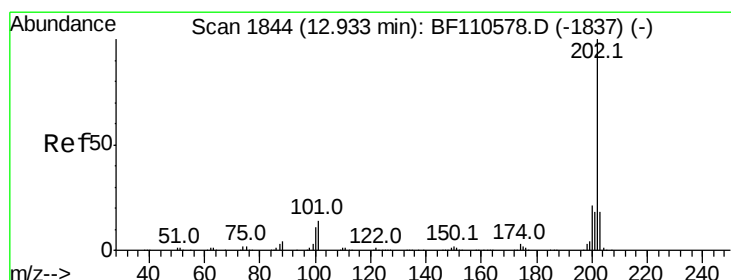
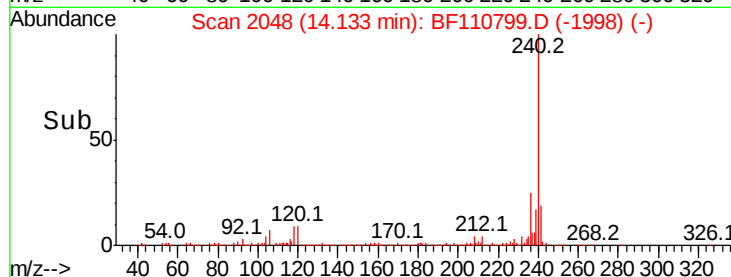
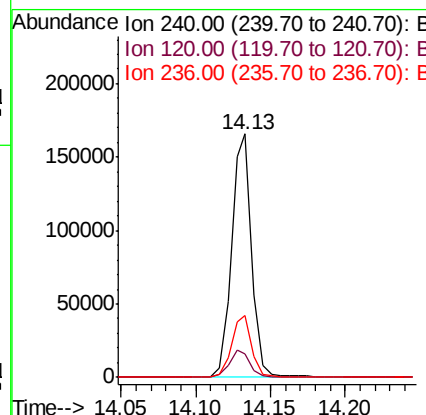
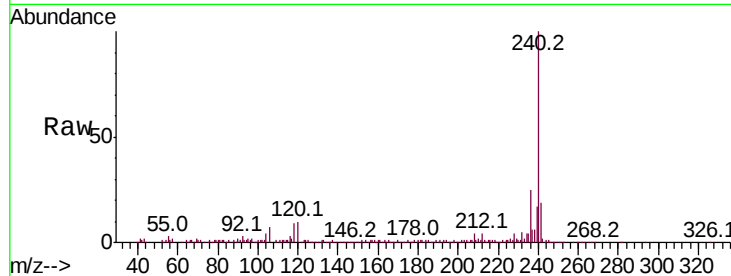




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.13 min Scan# 2048
 Delta R.T. -0.01 min
 Lab File: BF110799.D
 Acq: 15 Nov 2018 20:13

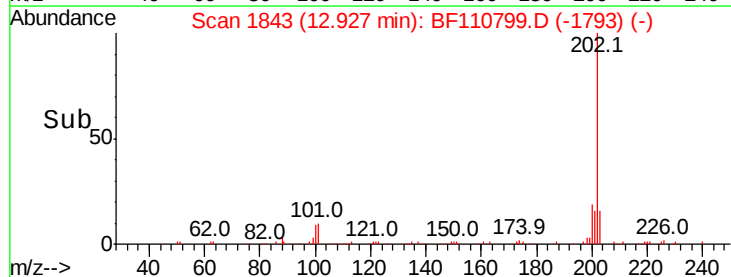
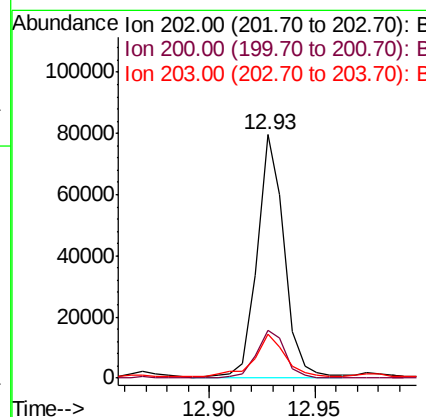
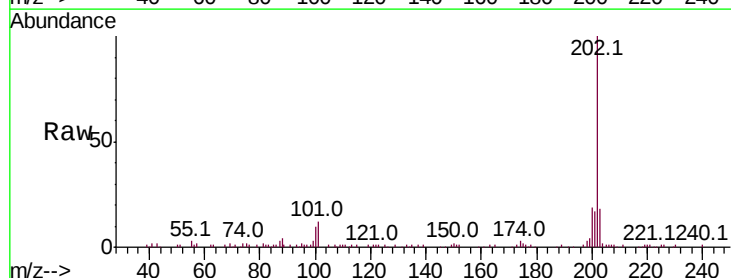
Instrument :
 BNA_F
 ClientSampleId :

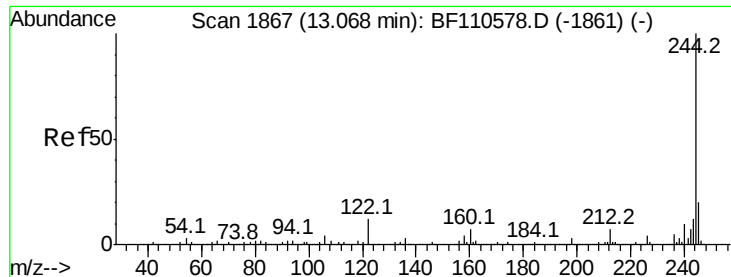
Tot Ion:240 Resp: 157672
 Ion Ratio Lower Upper
 240 100
 120 9.6 8.3 12.5
 236 25.3 21.2 31.8



#78
 Pyrene
 Concen: 5.817 ng
 RT: 12.93 min Scan# 1843
 Delta R.T. -0.01 min
 Lab File: BF110799.D
 Acq: 15 Nov 2018 20:13

Tgt Ion:202 Resp: 70621
 Ion Ratio Lower Upper
 202 100
 200 19.5 17.8 26.6
 203 18.0 14.2 21.4





#79

Terphenyl-d14

Concen: 28.115 ng

RT: 13.06 min Scan# 1865

Delta R.T. -0.01 min

Lab File: BF110799.D

Acq: 15 Nov 2018 20:13

Instrument :

BNA_F

ClientSampleId :

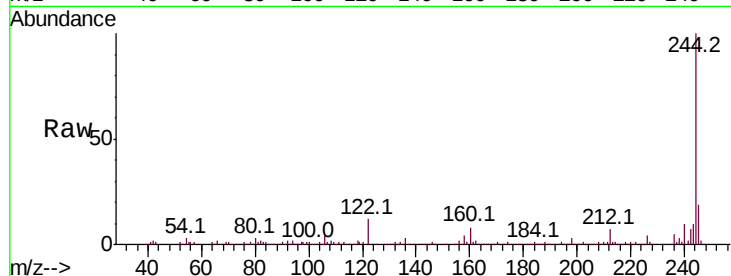
Tot Ion:244 Resp: 236707

Ion Ratio Lower Upper

244 100

212 7.0 5.8 8.8

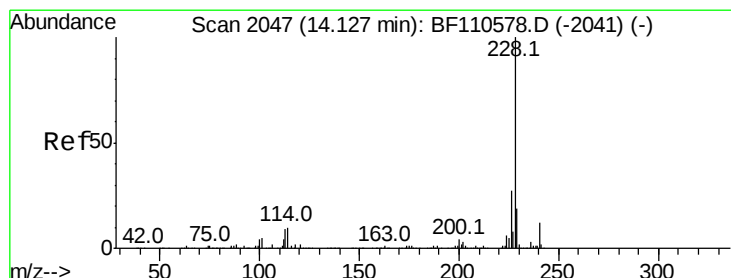
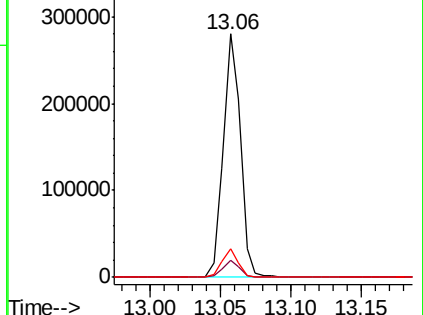
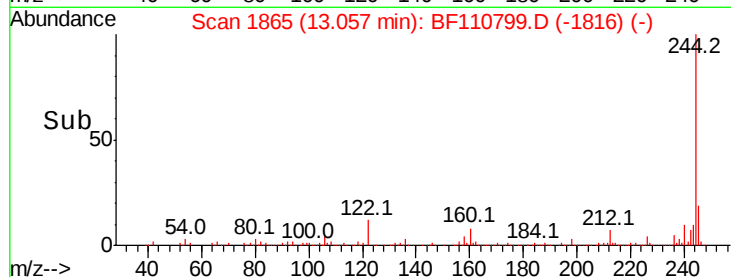
122 11.9 8.7 13.1



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



#81

Benzo(a)anthracene

Concen: 3.424 ng

RT: 14.16 min Scan# 2052

Delta R.T. 0.03 min

Lab File: BF110799.D

Acq: 15 Nov 2018 20:13

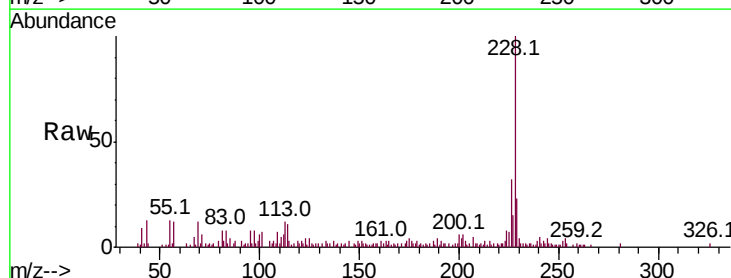
Tgt Ion:228 Resp: 32270

Ion Ratio Lower Upper

228 100

226 32.1 22.1 33.1

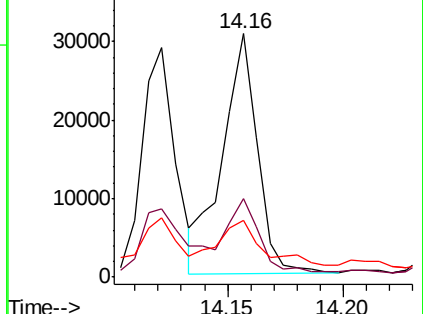
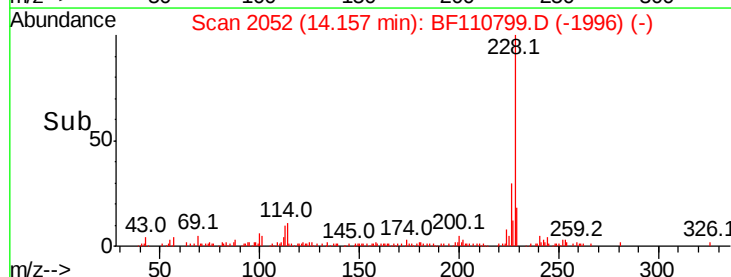
229 23.2 15.6 23.4

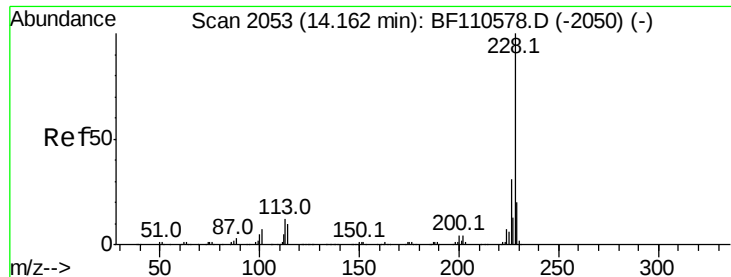


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

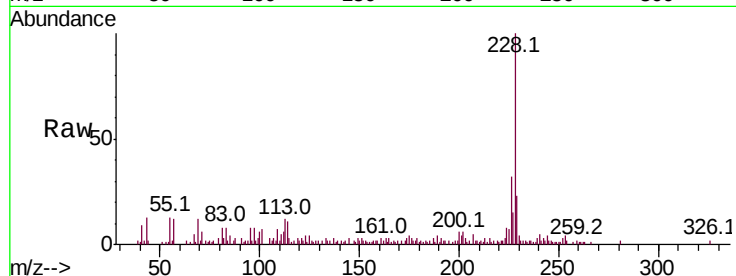




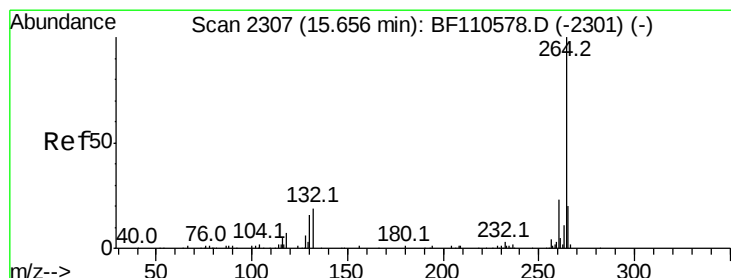
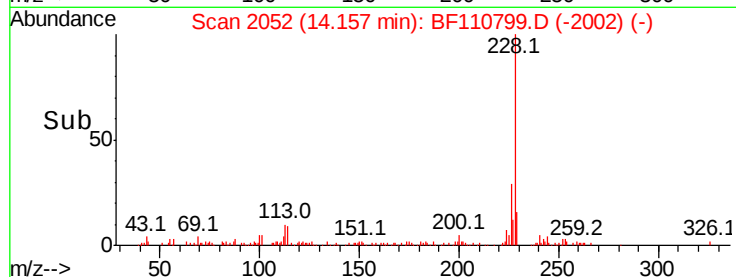
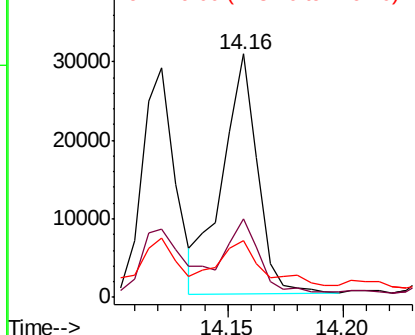
#83
Chrysene
Concen: 3.594 ng
RT: 14.16 min Scan# 2052
Delta R.T. -0.01 min
Lab File: BF110799.D
Acq: 15 Nov 2018 20:13

Instrument :
BNA_F
ClientSampleId :

Tot Ion:228 Resp: 32270
Ion Ratio Lower Upper
228 100
226 32.1 24.7 37.1
229 23.2 15.9 23.9

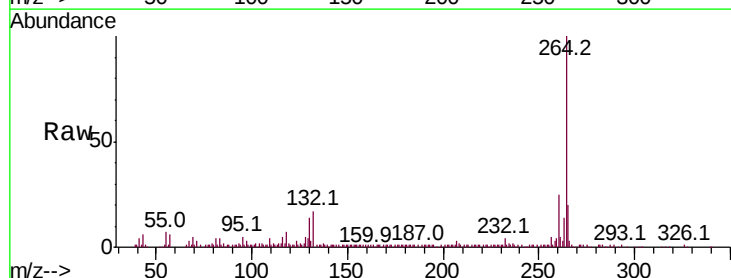


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

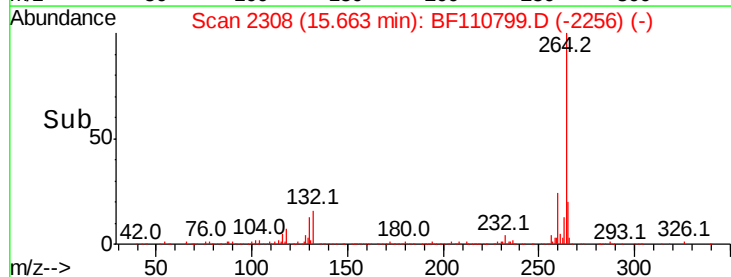
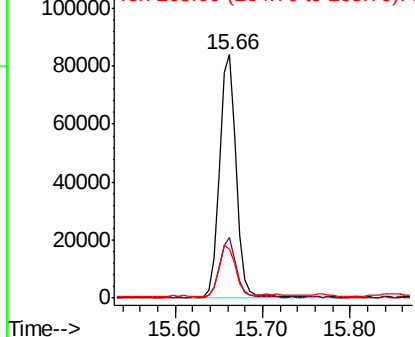


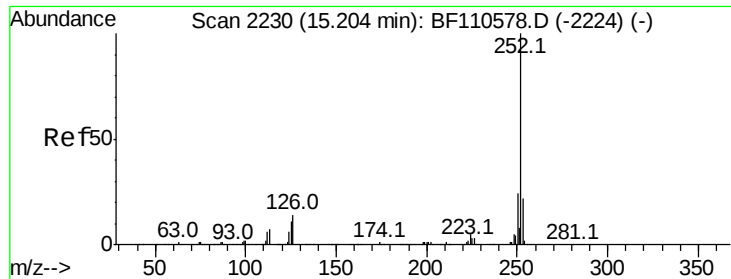
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.66 min Scan# 2308
Delta R.T. 0.01 min
Lab File: BF110799.D
Acq: 15 Nov 2018 20:13

Tgt Ion:264 Resp: 112824
Ion Ratio Lower Upper
264 100
260 24.7 18.7 28.1
265 20.4 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: 4.127 ng

RT: 15.20 min Scan# 2230

Delta R.T. 0.00 min

Lab File: BF110799.D

Acq: 15 Nov 2018 20:13

Instrument :

BNA_F

ClientSampleId :

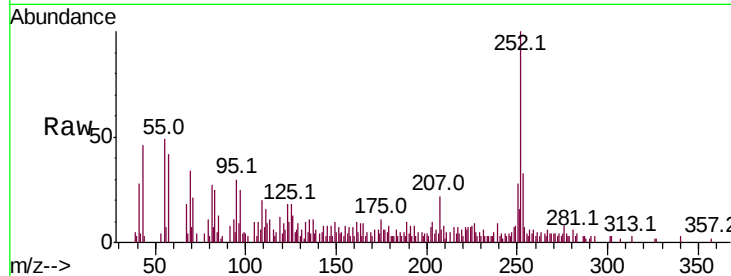
Tot Ion:252 Resp: 27852

Ion Ratio Lower Upper

252 100

253 33.1 17.2 25.8#

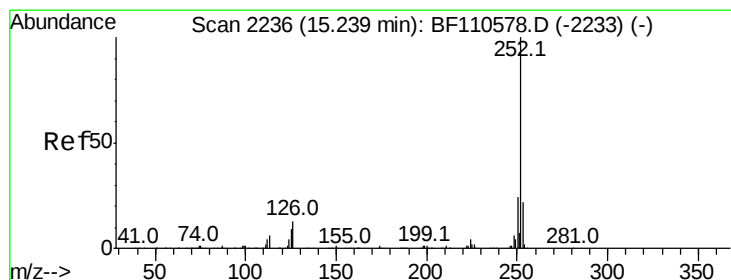
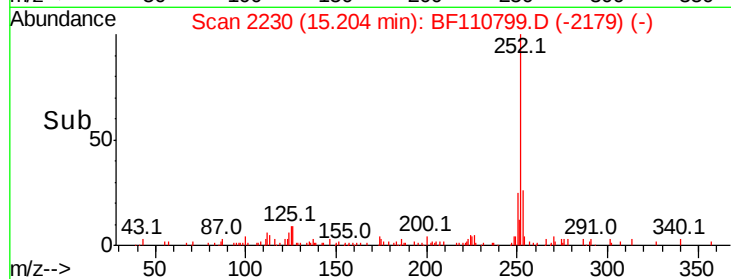
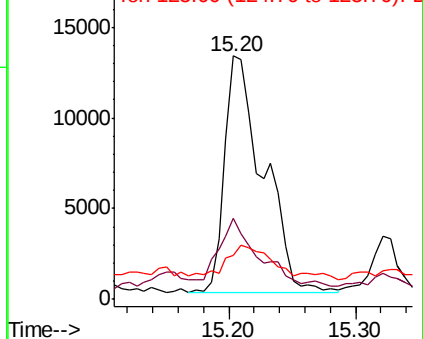
125 18.2 8.2 12.4#



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: 4.176 ng

RT: 15.20 min Scan# 2230

Delta R.T. -0.04 min

Lab File: BF110799.D

Acq: 15 Nov 2018 20:13

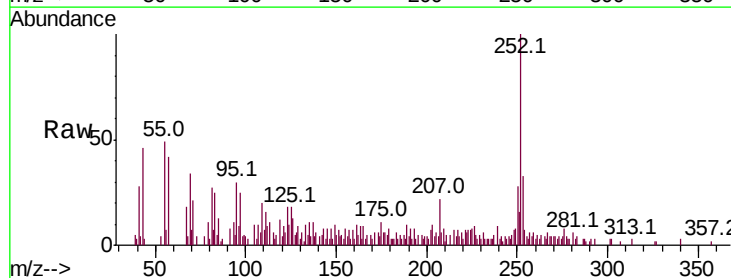
Tgt Ion:252 Resp: 27852

Ion Ratio Lower Upper

252 100

253 33.1 17.2 25.8#

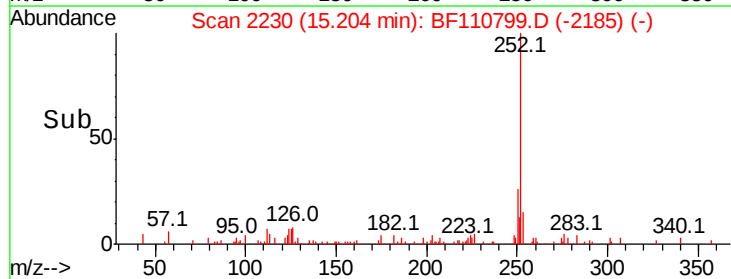
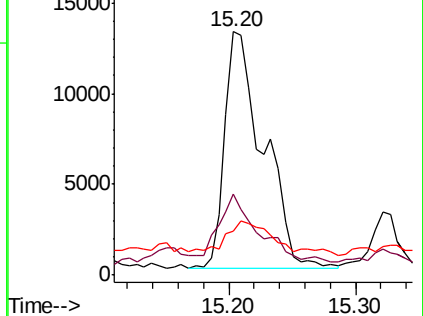
125 18.2 7.4 11.0#

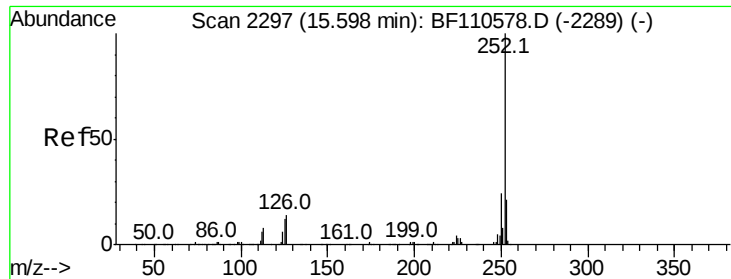


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 2.538 ng

RT: 15.60 min Scan# 2297

Delta R.T. 0.00 min

Lab File: BF110799.D

Acq: 15 Nov 2018 20:13

Instrument :

BNA_F

ClientSampleId :

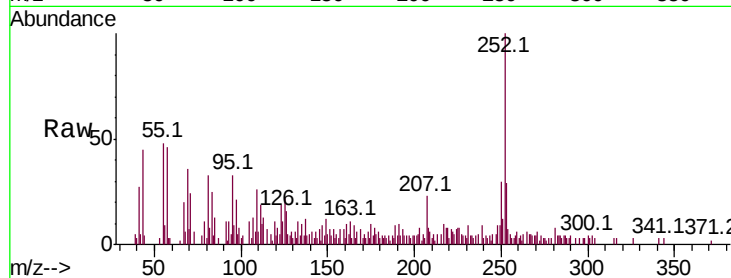
Tot Ion:252 Resp: 15563

Ion Ratio Lower Upper

252 100

253 29.2 18.2 27.4#

125 22.1 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

