

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112918\
 Data File : BF111094.D
 Acq On : 29 Nov 2018 16:58
 Operator : JU/SJ
 Sample : J6125-03
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 29 17:28:42 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF112618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 29 10:35:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.93	152	63215	20.00	ng	0.00
21) Naphthalene-d8	8.22	136	263260	20.00	ng	0.00
39) Acenaphthene-d10	9.97	164	124523	20.00	ng	-0.01
64) Phenanthrene-d10	11.47	188	212421	20.00	ng	0.00
76) Chrysene-d12	14.13	240	138220	20.00	ng	0.00
87) Perylene-d12	15.66	264	135682	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.56	112	380554	99.83	ng	0.00
7) Phenol-d6	6.56	99	487733	98.18	ng	0.00
23) Nitrobenzene-d5	7.50	82	305255	66.36	ng	-0.01
42) 2,4,6-Tribromophenol	10.77	330	105633	85.42	ng	-0.01
45) 2-Fluorobiphenyl	9.29	172	569297	66.24	ng	0.00
79) Terphenyl-d14	13.04	244	400243	56.37	ng	-0.01

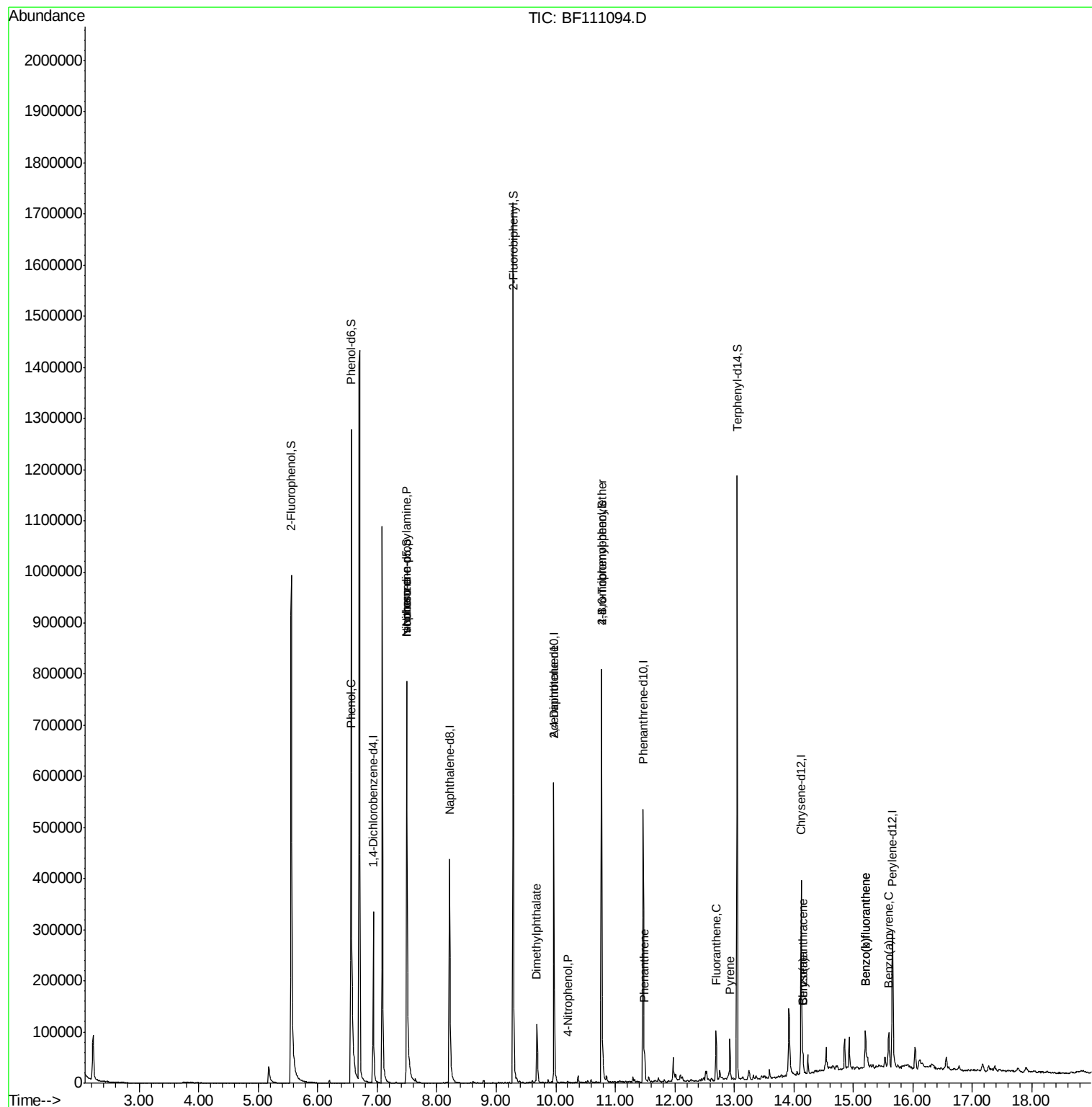
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.56	77	844	Below Cal		# 1
10) Phenol	6.57	94	36268	6.483	ng	# 75
19) n-Nitroso-di-n-propylamine	7.50	70	40757	12.595	ng	# 81
25) Isophorone	7.50	82	305255	40.455	ng	# 67
50) Dimethylphthalate	9.69	163	63995	7.007	ng	# 98
56) 4-Nitrophenol	10.20	139	263	4.426	ng	# 6
57) 2,4-Dinitrotoluene	9.97	165	15882	6.021	ng	# 17
67) 4-Bromophenyl-phenylether	10.77	248	6788	2.934	ng	# 1
71) Phenanthrene	11.50	178	24886	2.212	ng	# 98
75) Fluoranthene	12.69	202	42365	3.664	ng	# 97
78) Pyrene	12.93	202	35659	3.532	ng	# 98
81) Benzo(a)anthracene	14.15	228	17508	2.146	ng	# 91
83) Chrysene	14.15	228	17508	2.179	ng	# 95
88) Benzo(b)fluoranthene	15.21	252	28112	3.527	ng	# 93
89) Benzo(k)fluoranthene	15.21	252	28112	3.427	ng	# 92
90) Benzo(a)pyrene	15.60	252	15305	2.063	ng	# 90

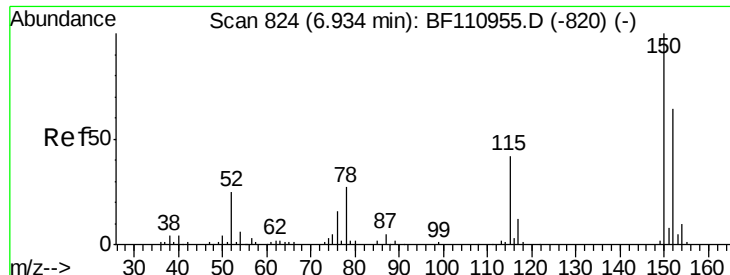
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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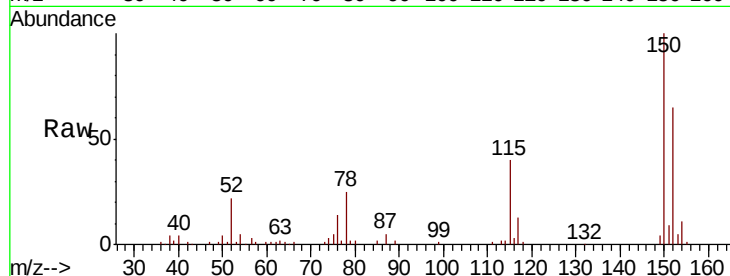


#1

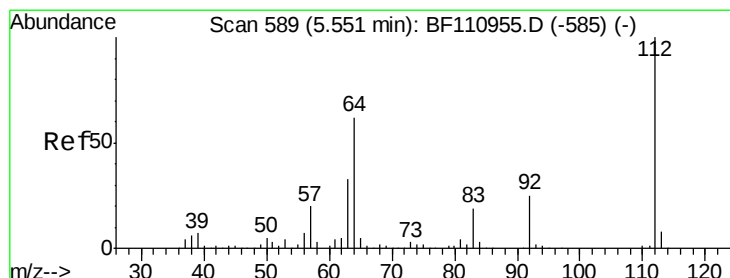
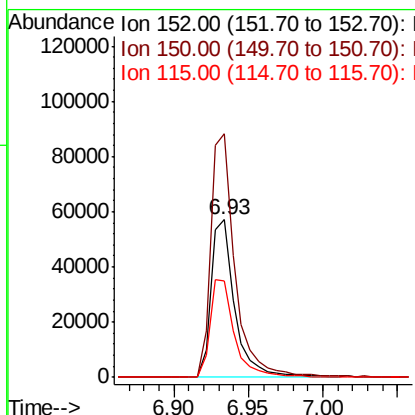
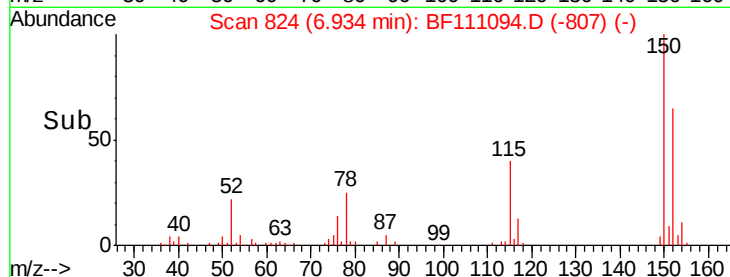
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.93 min Scan# 824
Delta R.T. -0.00 min
Lab File: BF111094.D
Acq: 29 Nov 2018 16:58

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 63215
Ion Ratio Lower Upper
152 100
150 154.8 122.7 184.1
115 61.6 49.1 73.7



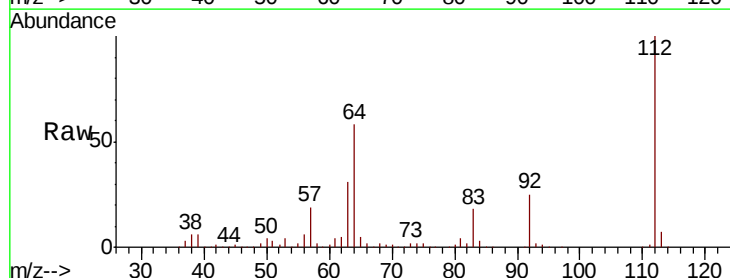
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



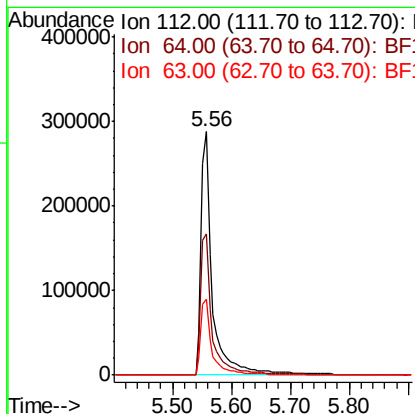
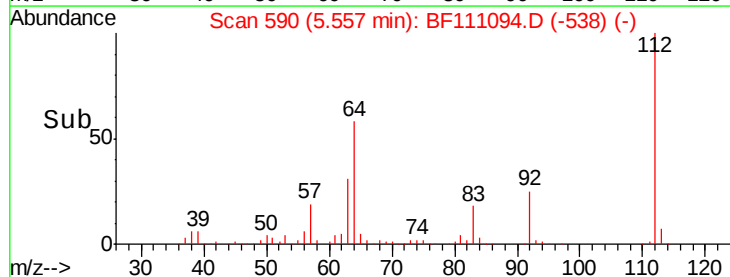
#5

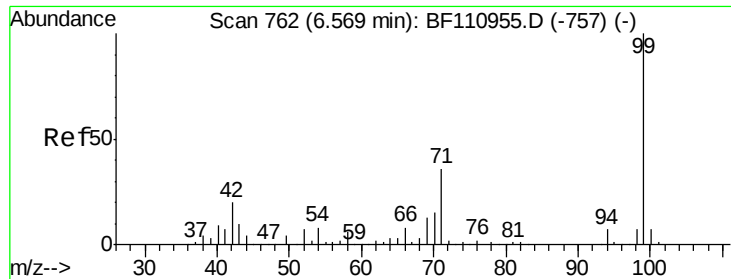
2-Fluorophenol
Concen: 99.831 ng
RT: 5.56 min Scan# 590
Delta R.T. 0.01 min
Lab File: BF111094.D
Acq: 29 Nov 2018 16:58

Tgt Ion:112 Resp: 380554
Ion Ratio Lower Upper
112 100
64 58.2 44.1 66.1
63 31.1 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: 98.181 ng

RT: 6.56 min Scan# 761

Delta R.T. -0.01 min

Lab File: BF111094.D

Acq: 29 Nov 2018 16:58

Instrument :

BNA_F

ClientSampled :

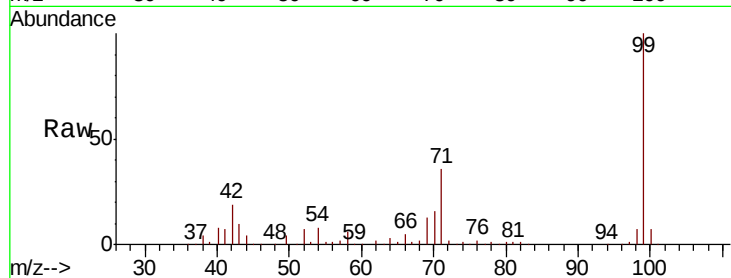
Tot Ion: 99 Resp: 487733

Ion Ratio Lower Upper

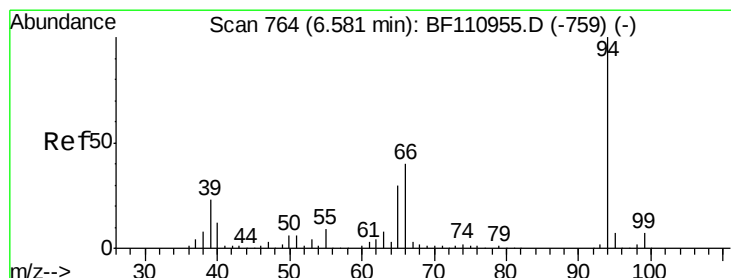
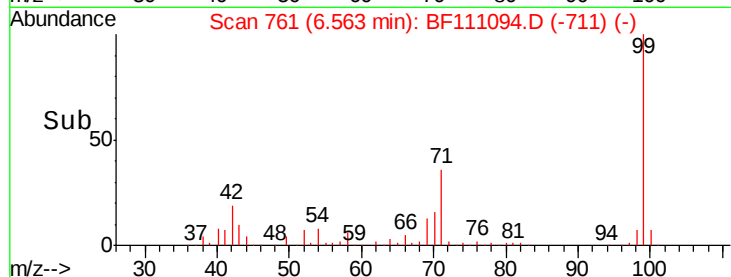
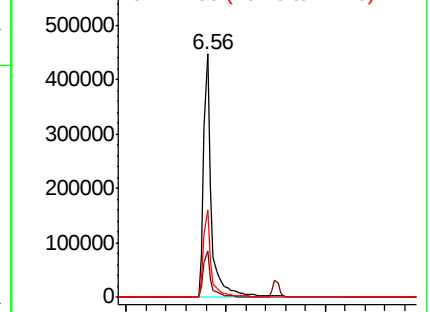
99 100

42 19.2 15.8 23.6

71 35.8 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: 6.483 ng

RT: 6.57 min Scan# 763

Delta R.T. -0.01 min

Lab File: BF111094.D

Acq: 29 Nov 2018 16:58

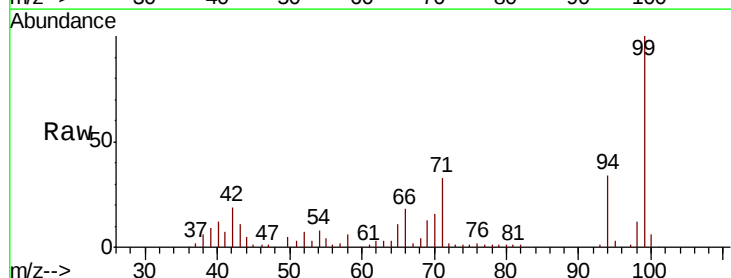
Tgt Ion: 94 Resp: 36268

Ion Ratio Lower Upper

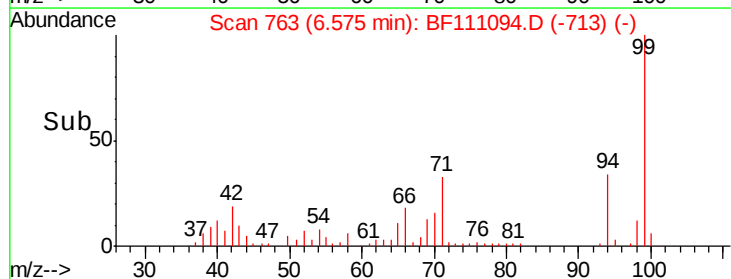
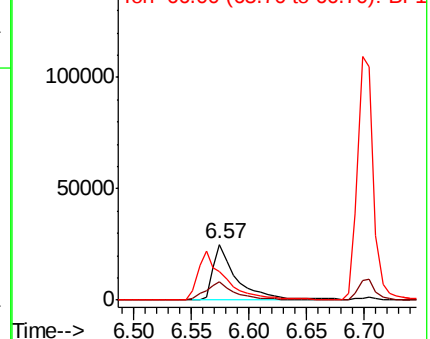
94 100

65 32.1 25.3 65.3

66 51.3 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

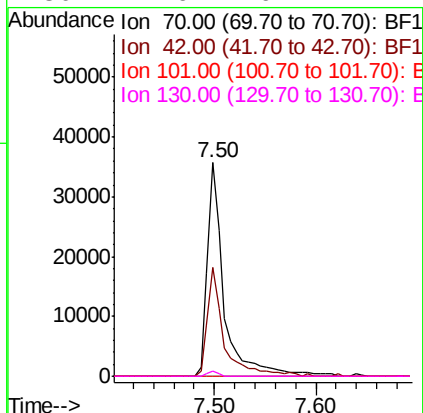
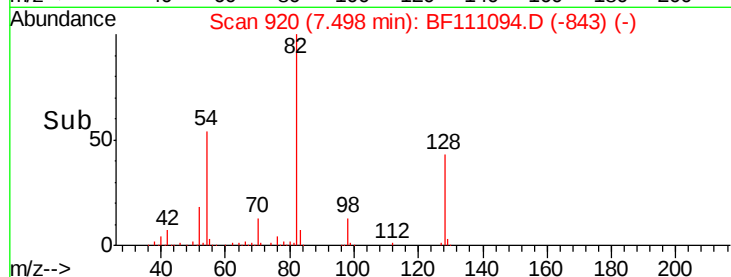
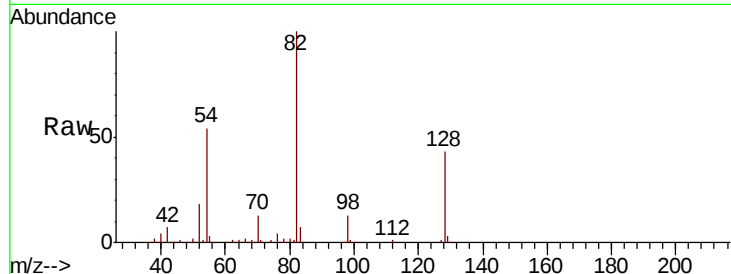




#19
n-Nitroso-di-n-propylamine
Concen: 12.595 ng
RT: 7.50 min Scan# 920
Delta R.T. 0.15 min
Lab File: BF111094.D
Acq: 29 Nov 2018 16:58

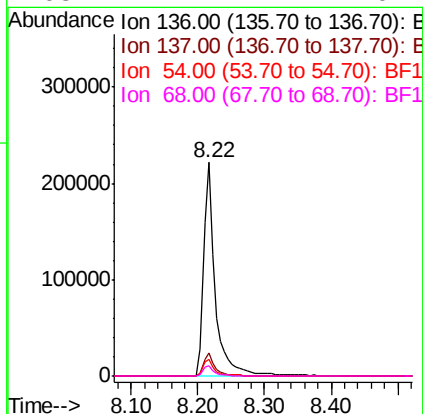
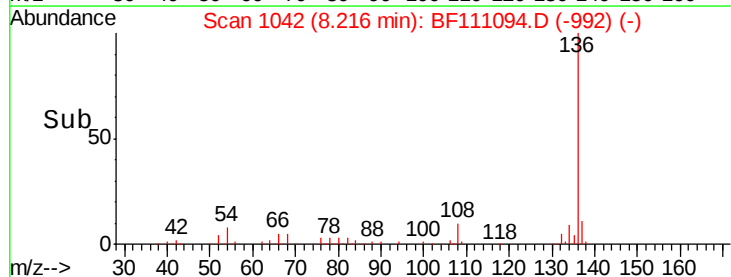
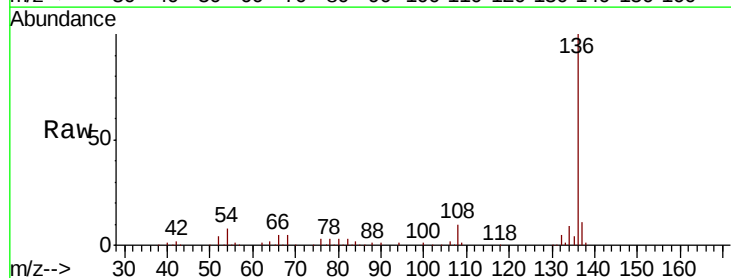
Instrument :
BNA_F
ClientSampleId :

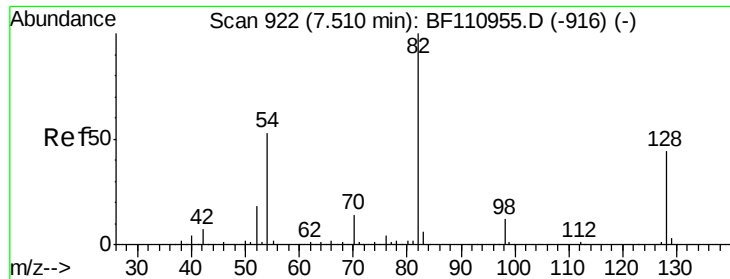
Tot Ion: 70 Resp: 40757
Ion Ratio Lower Upper
70 100
42 51.0 47.4 71.2
101 0.0 7.3 10.9#
130 2.6 16.2 24.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.22 min Scan# 1042
Delta R.T. -0.01 min
Lab File: BF111094.D
Acq: 29 Nov 2018 16:58

Tgt Ion: 136 Resp: 263260
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 7.8 5.4 8.2
68 4.7 4.2 6.2

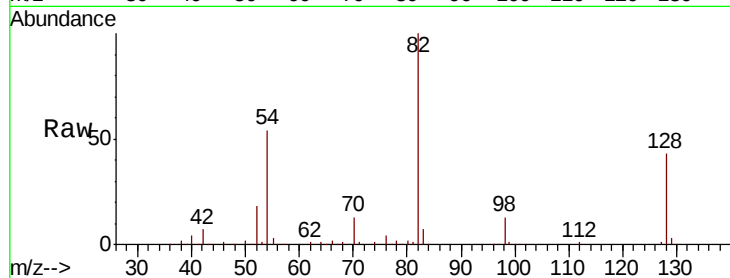




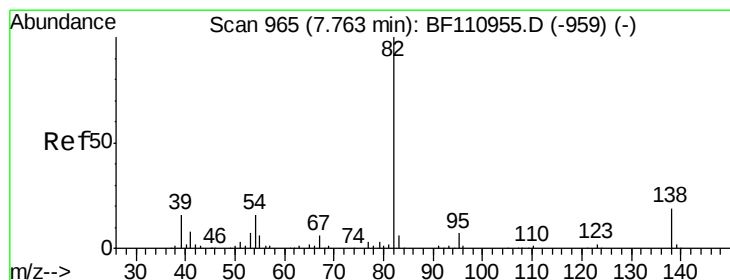
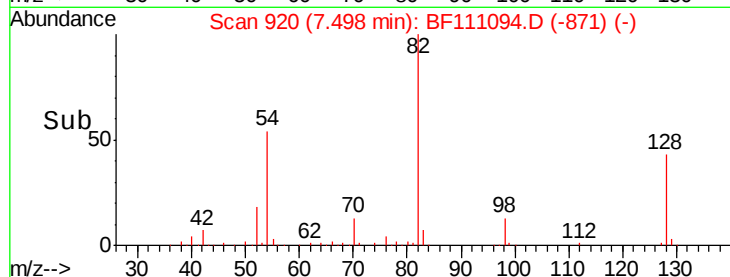
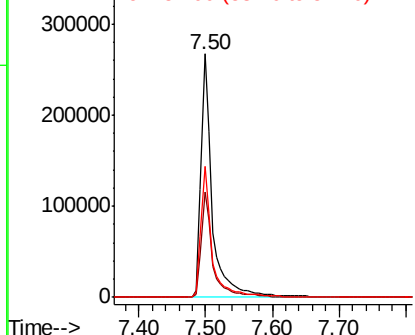
#23
Nitrobenzene-d5
Concen: 66.360 ng
RT: 7.50 min Scan# 920
Delta R.T. -0.01 min
Lab File: BF111094.D
Acq: 29 Nov 2018 16:58

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
82	100		
128	43.4	34.2	51.2
54	53.7	38.6	58.0

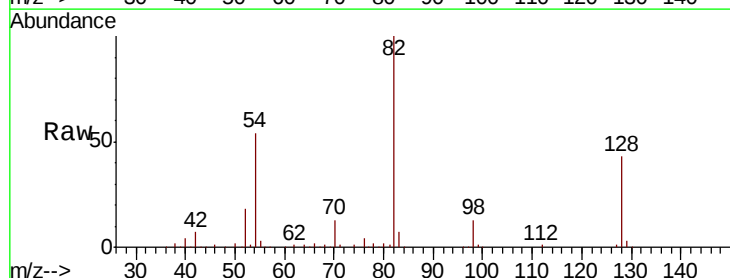


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

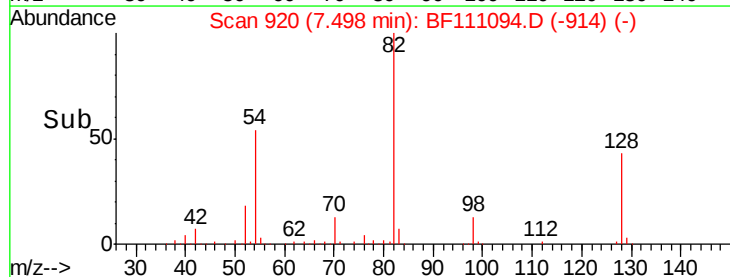
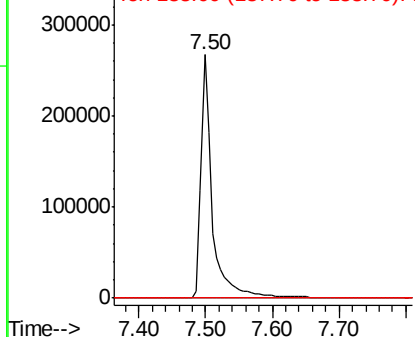


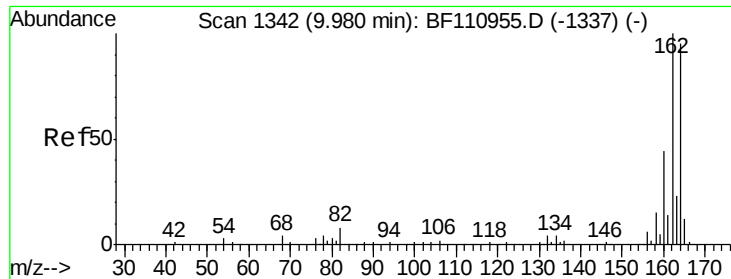
#25
Isophorone
Concen: 40.455 ng
RT: 7.50 min Scan# 920
Delta R.T. -0.26 min
Lab File: BF111094.D
Acq: 29 Nov 2018 16:58

Tgt 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

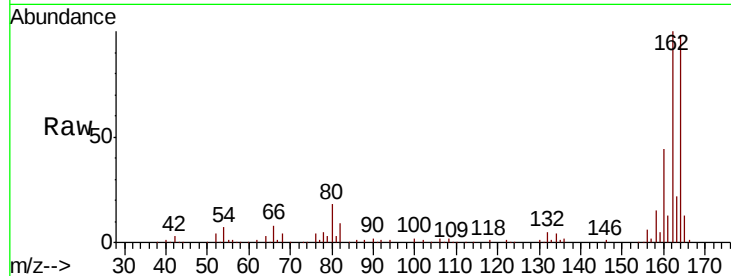




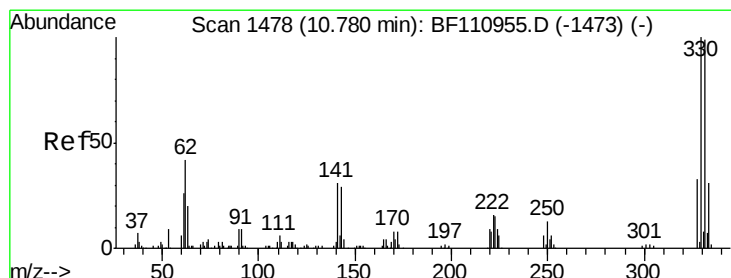
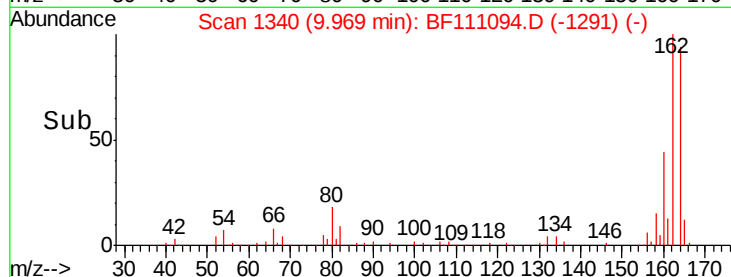
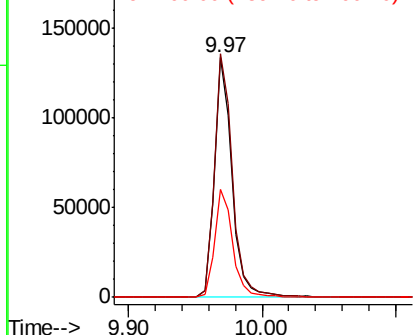
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.97 min Scan# 1340
Delta R.T. -0.01 min
Lab File: BF111094.D
Acq: 29 Nov 2018 16:58

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 124523
Ion Ratio Lower Upper
164 100
162 101.8 83.0 124.6
160 45.2 37.0 55.6

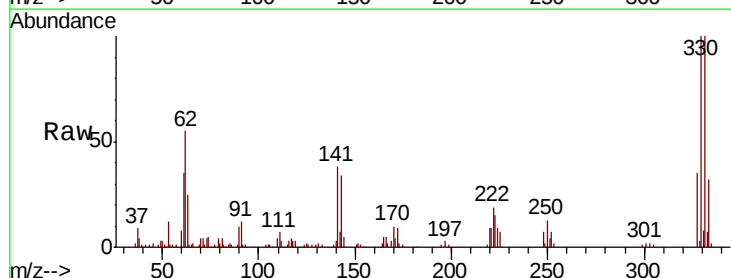


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

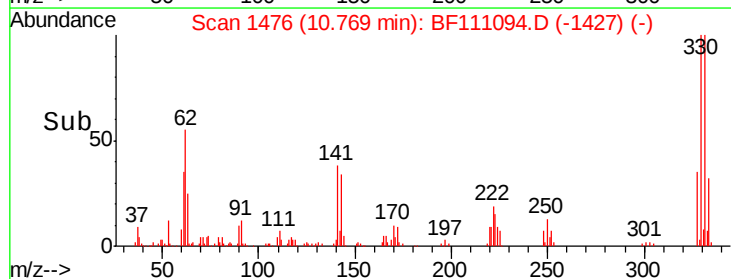
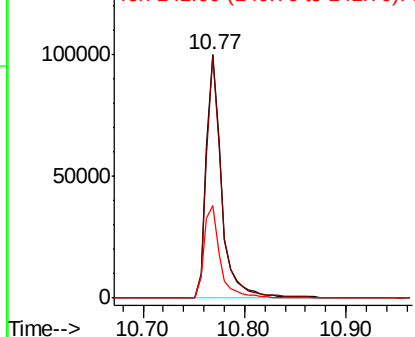


#42
2,4,6-Tribromophenol
Concen: 85.416 ng
RT: 10.77 min Scan# 1476
Delta R.T. -0.01 min
Lab File: BF111094.D
Acq: 29 Nov 2018 16:58

Tgt Ion:330 Resp: 105633
Ion Ratio Lower Upper
330 100
332 97.5 77.1 115.7
141 39.2 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

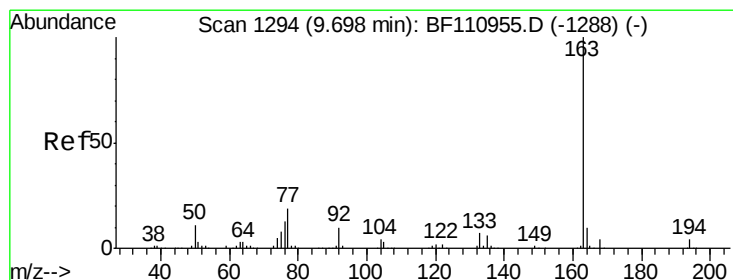
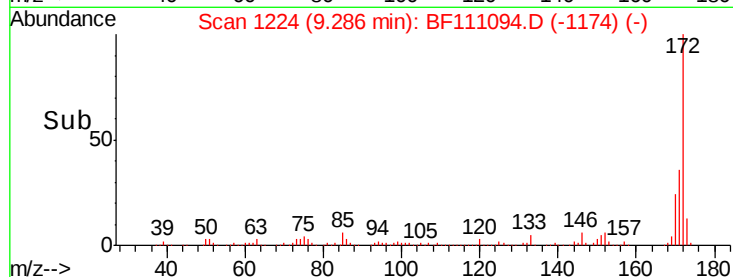
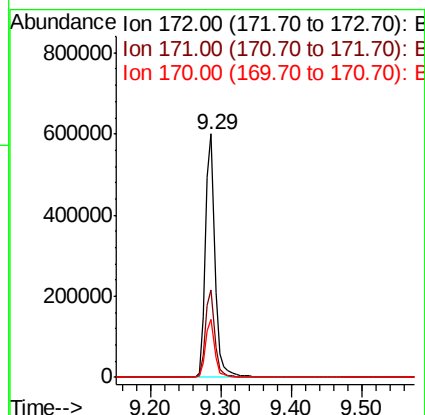
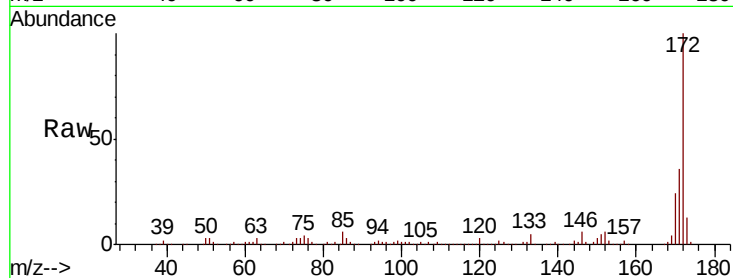




#45
 2-Fluorobiphenyl
 Concen: 66.235 ng
 RT: 9.29 min Scan# 1224
 Delta R.T. -0.01 min
 Lab File: BF111094.D
 Acq: 29 Nov 2018 16:58

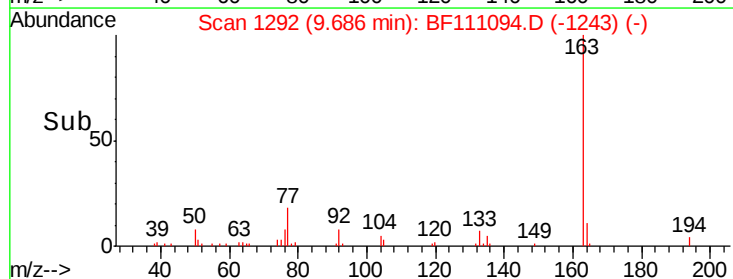
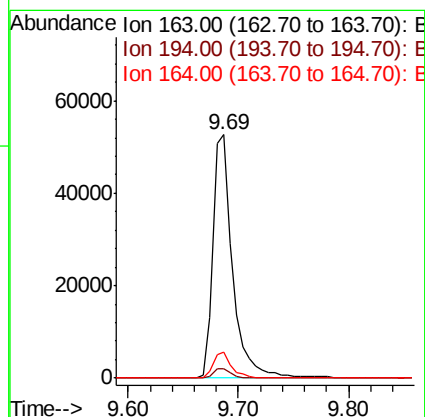
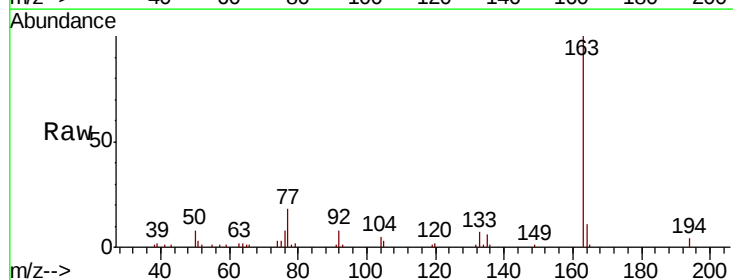
Instrument :
 BNA_F
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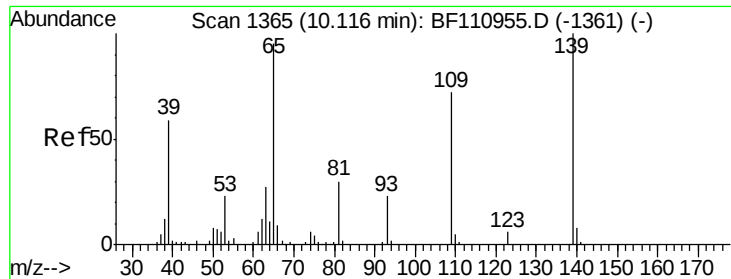
Tot Ion:172 Resp: 569297
 Ion Ratio Lower Upper
 172 100
 171 36.0 28.6 43.0
 170 23.8 19.7 29.5



#50
 Dimethylphthalate
 Concen: 7.007 ng
 RT: 9.69 min Scan# 1292
 Delta R.T. -0.01 min
 Lab File: BF111094.D
 Acq: 29 Nov 2018 16:58

Tgt Ion:163 Resp: 63995
 Ion Ratio Lower Upper
 163 100
 194 3.8 3.2 4.8
 164 10.9 8.1 12.1

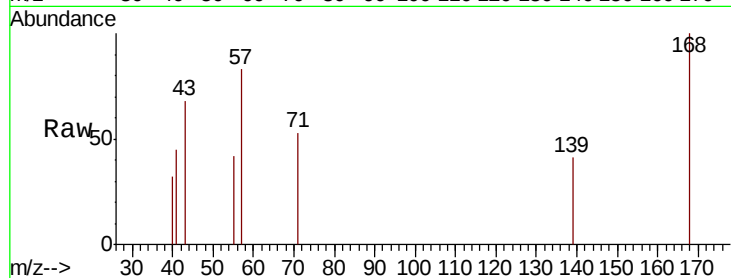




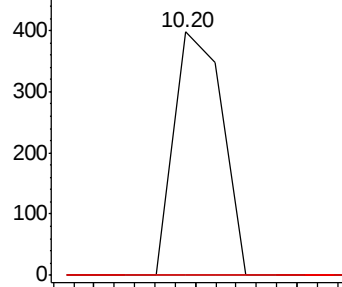
#56
4-Nitrophenol
Concen: 4.426 ng
RT: 10.20 min Scan# 1379
Delta R.T. 0.08 min
Lab File: BF111094.D
Acq: 29 Nov 2018 16:58

Instrument :
BNA_F
ClientSampled :

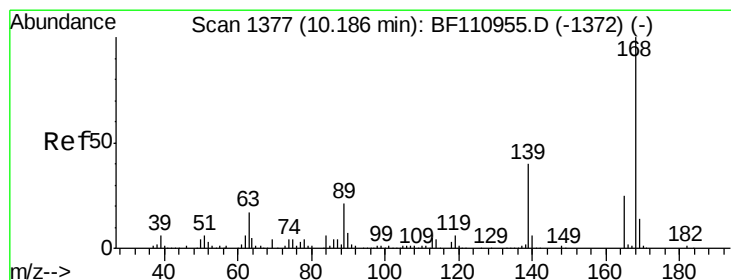
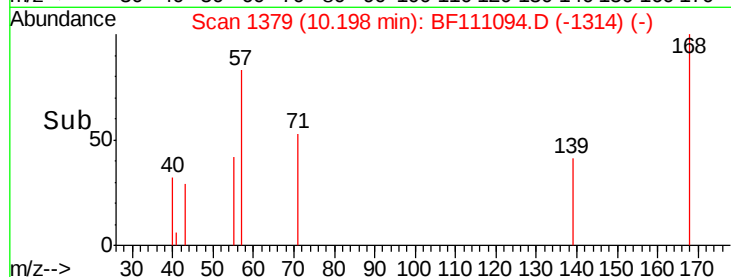
Tot Ion:139 Resp: 263
Ion Ratio Lower Upper
139 100
109 0.0 55.8 95.8#
65 0.0 77.9 117.9#



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

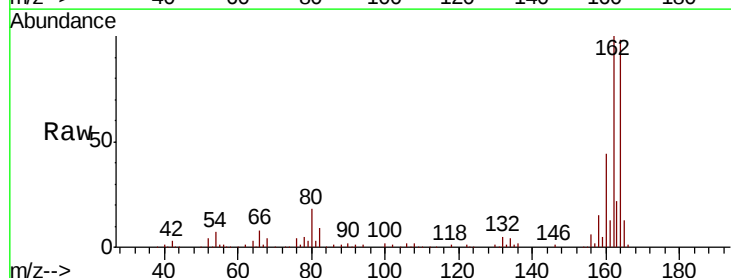


Time-->

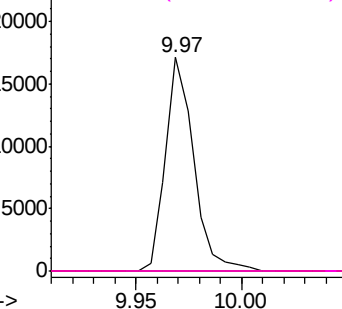


#57
2,4-Dinitrotoluene
Concen: 6.021 ng
RT: 9.97 min Scan# 1340
Delta R.T. -0.22 min
Lab File: BF111094.D
Acq: 29 Nov 2018 16:58

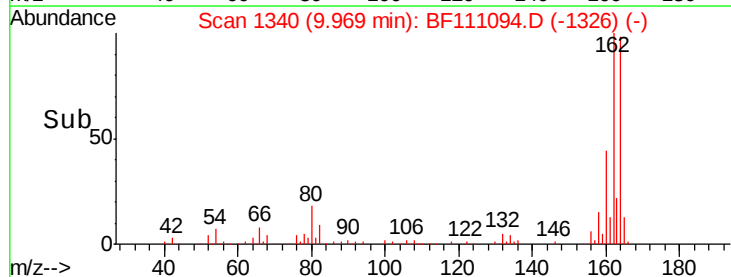
Tgt Ion:165 Resp: 15882
Ion Ratio Lower Upper
165 100
63 0.0 44.8 67.2#
89 0.0 62.2 93.4#
182 0.0 2.1 3.1#

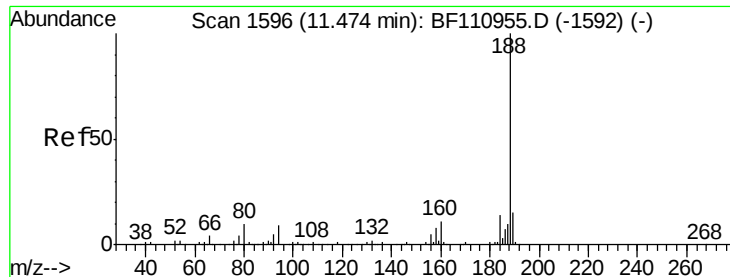


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E



Time-->





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.47 min Scan# 1595

Delta R.T. -0.01 min

Lab File: BF111094.D

Acq: 29 Nov 2018 16:58

Instrument :

BNA_F

ClientSampled :

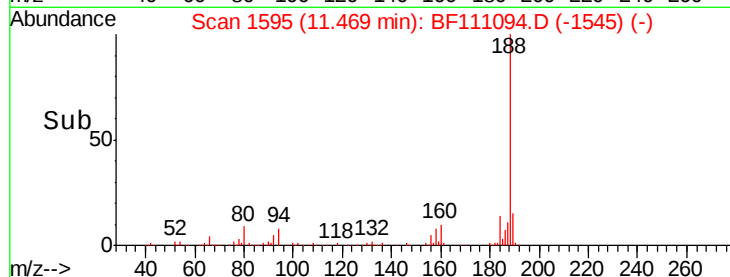
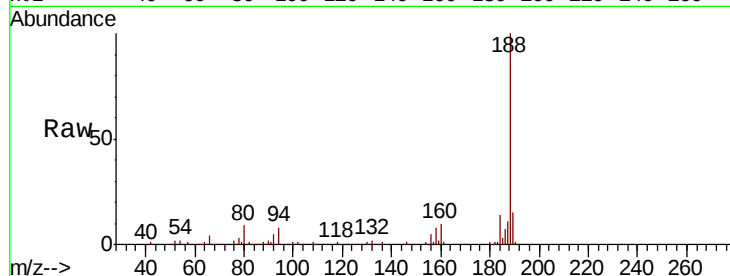
Tot Ion:188 Resp: 212421

Ion Ratio Lower Upper

188 100

94 8.5 7.2 10.8

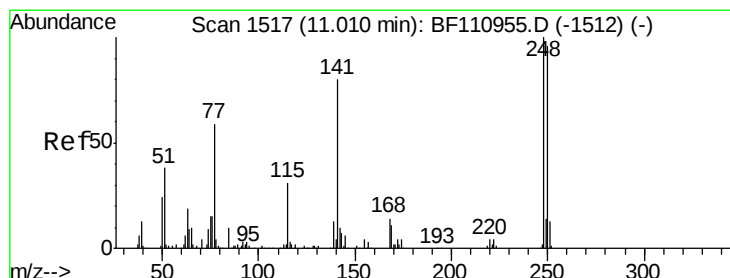
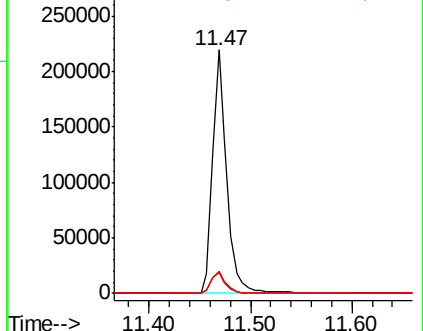
80 9.1 7.9 11.9



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



#67

4-Bromophenyl-phenylether

Concen: 2.934 ng

RT: 10.77 min Scan# 1476

Delta R.T. -0.24 min

Lab File: BF111094.D

Acq: 29 Nov 2018 16:58

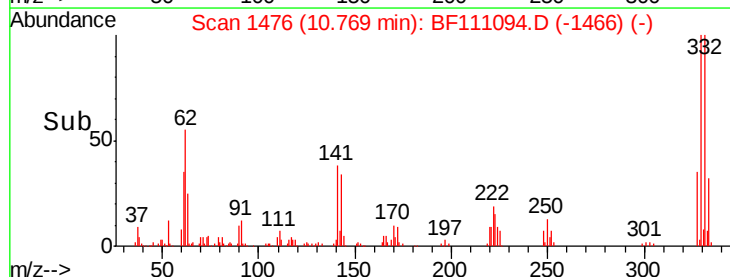
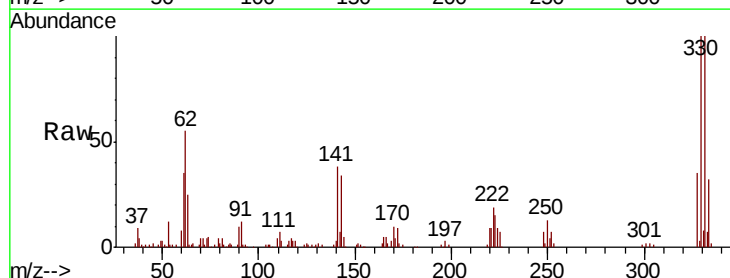
Tgt Ion:248 Resp: 6788

Ion Ratio Lower Upper

248 100

250 189.8 79.4 119.2#

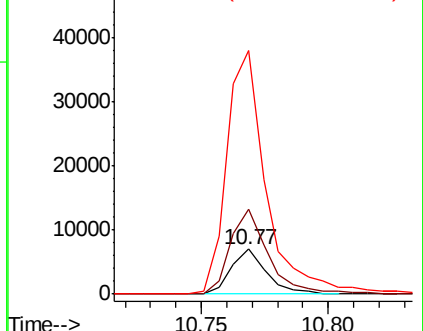
141 543.5 55.9 83.9#

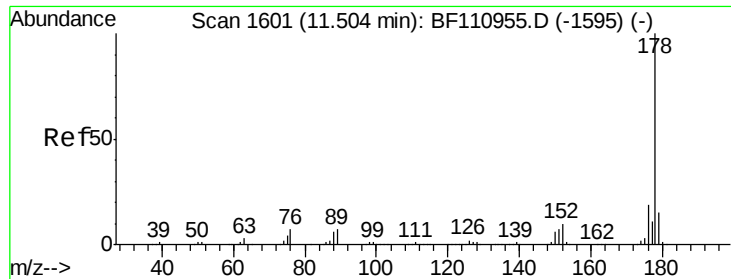


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#71

Phenanthrene

Concen: 2.212 ng

RT: 11.50 min Scan# 1600

Delta R.T. -0.01 min

Lab File: BF111094.D

Acq: 29 Nov 2018 16:58

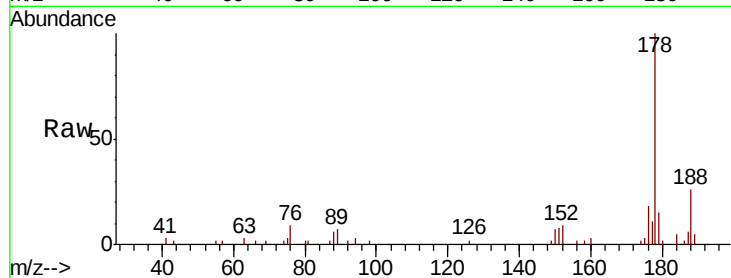
Instrument :

BNA_F

ClientSampled :

Tot Ion:178 Resp: 24886

Ion	Ratio	Lower	Upper
178	100		
176	17.9	15.5	23.3
179	15.1	12.5	18.7

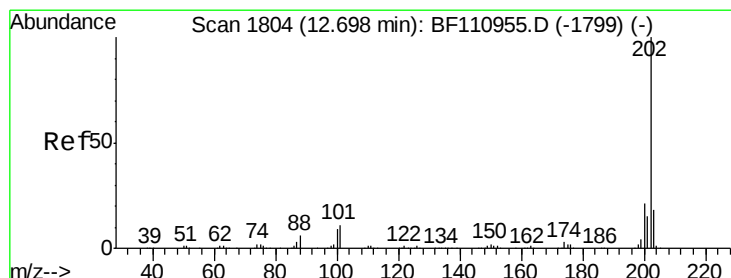
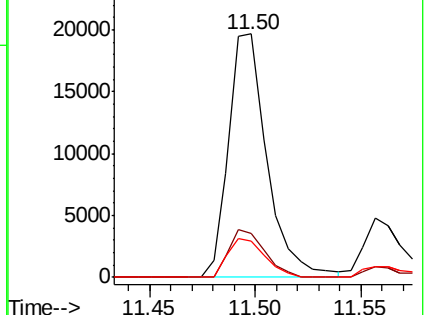
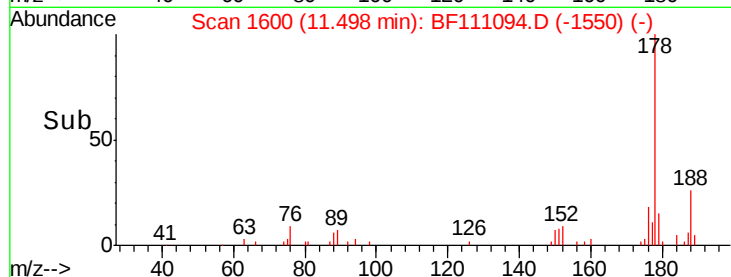


Abundance

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



#75

Fluoranthene

Concen: 3.664 ng

RT: 12.69 min Scan# 1803

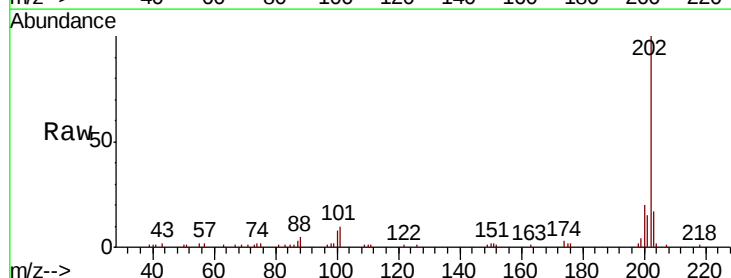
Delta R.T. -0.01 min

Lab File: BF111094.D

Acq: 29 Nov 2018 16:58

Tgt Ion:202 Resp: 42365

Ion	Ratio	Lower	Upper
202	100		
101	9.6	0.0	31.4
203	17.1	0.0	37.7

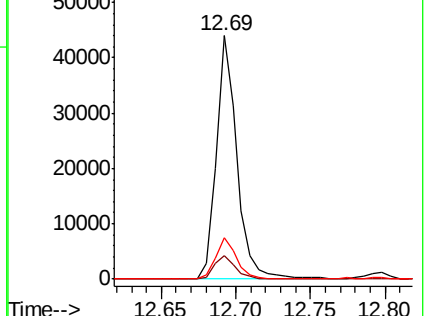
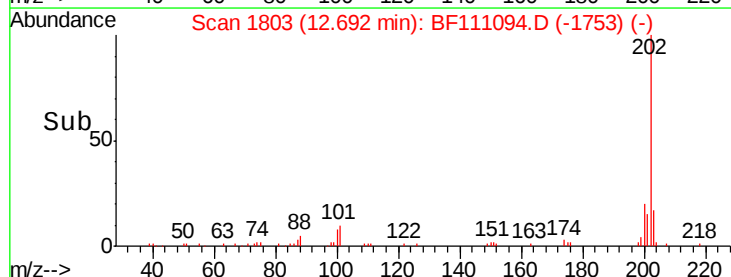


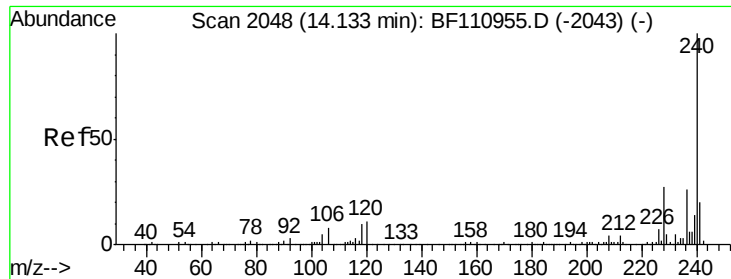
Abundance

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

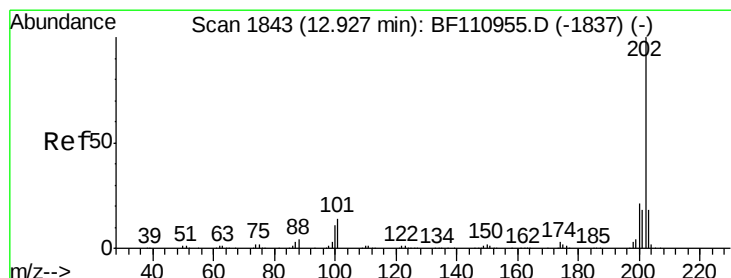
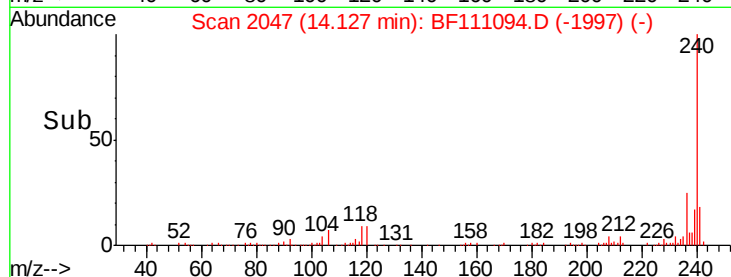
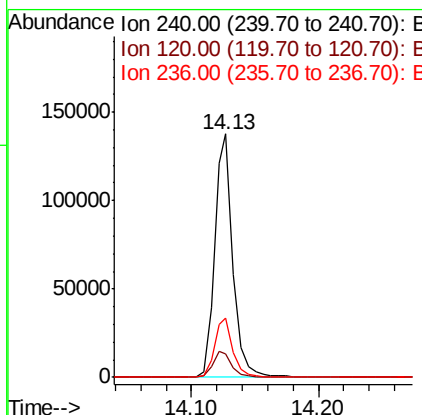
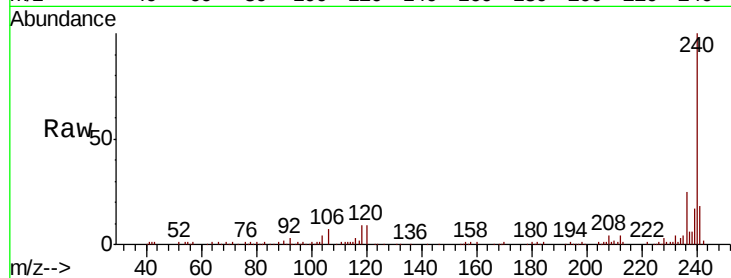




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.13 min Scan# 2047
Delta R.T. -0.01 min
Lab File: BF111094.D
Acq: 29 Nov 2018 16:58

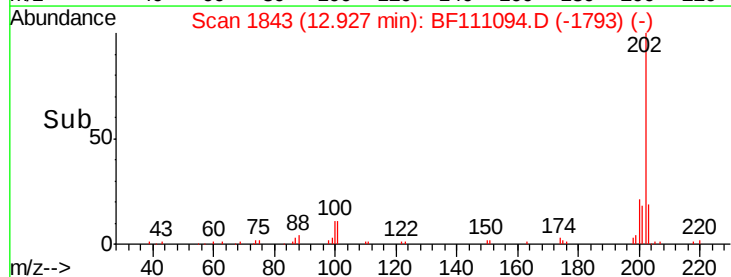
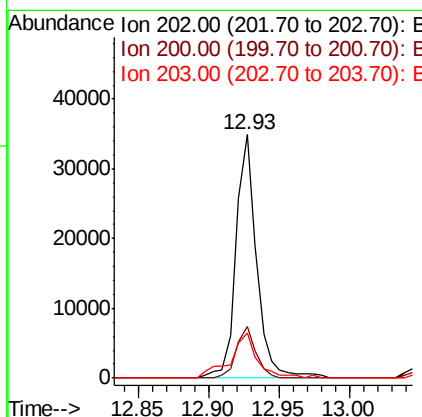
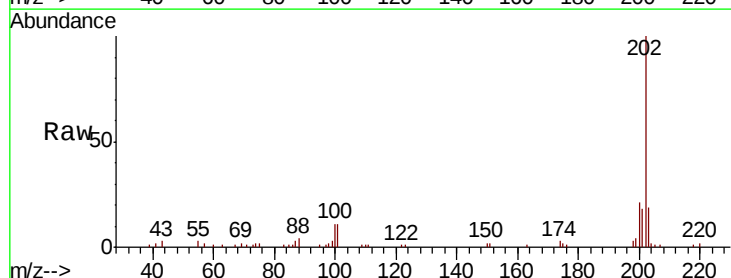
Instrument :
BNA_F
ClientSampleId :

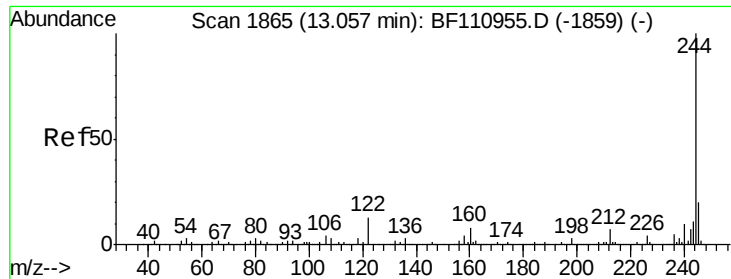
Tot Ion:240 Resp: 138220
Ion Ratio Lower Upper
240 100
120 9.4 8.3 12.5
236 24.6 21.2 31.8



#78
Pyrene
Concen: 3.532 ng
RT: 12.93 min Scan# 1843
Delta R.T. -0.01 min
Lab File: BF111094.D
Acq: 29 Nov 2018 16:58

Tgt Ion:202 Resp: 35659
Ion Ratio Lower Upper
202 100
200 21.3 17.8 26.6
203 18.8 14.2 21.4





#79

Terphenyl-d14

Concen: 56.369 ng

RT: 13.04 min Scan# 1863

Delta R.T. -0.01 min

Lab File: BF111094.D

Acq: 29 Nov 2018 16:58

Instrument :

BNA_F

ClientSampled :

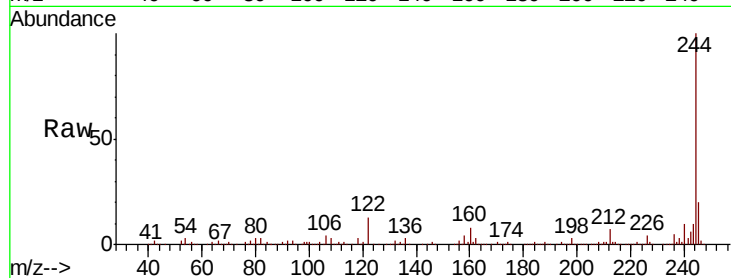
Tot Ion:244 Resp: 400243

Ion Ratio Lower Upper

244 100

212 7.0 5.8 8.8

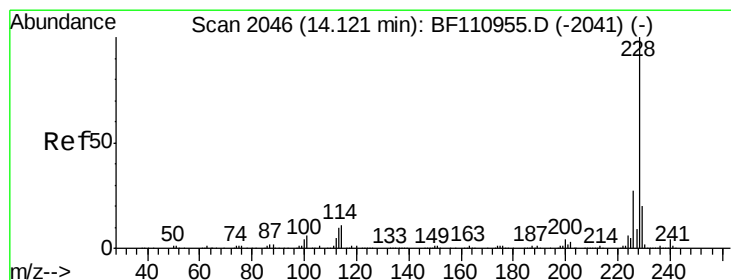
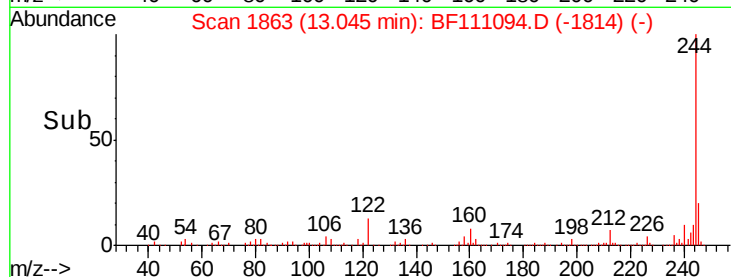
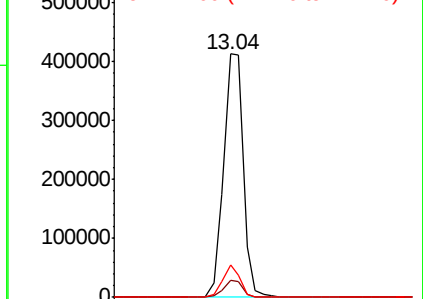
122 13.1 8.7 13.1#



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: 2.146 ng

RT: 14.15 min Scan# 2051

Delta R.T. 0.03 min

Lab File: BF111094.D

Acq: 29 Nov 2018 16:58

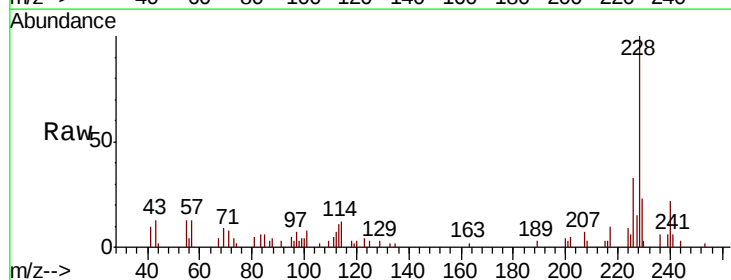
Tgt Ion:228 Resp: 17508

Ion Ratio Lower Upper

228 100

226 32.7 22.1 33.1

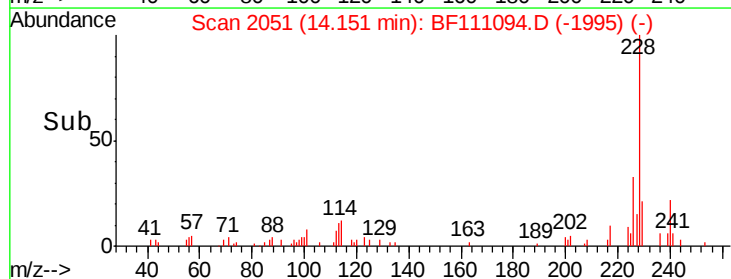
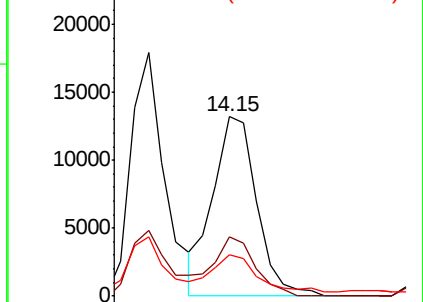
229 23.3 15.6 23.4

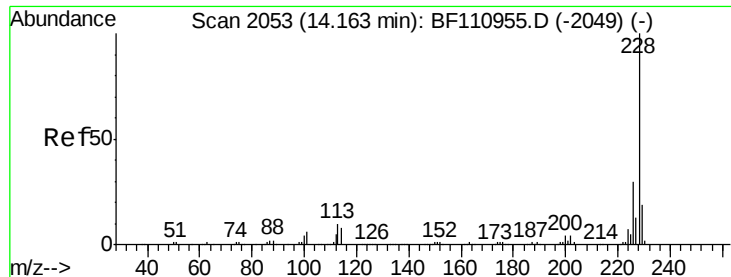


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

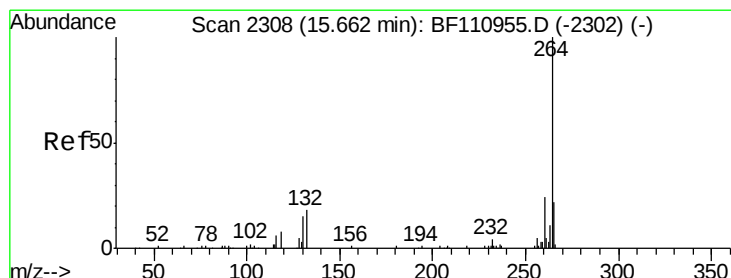
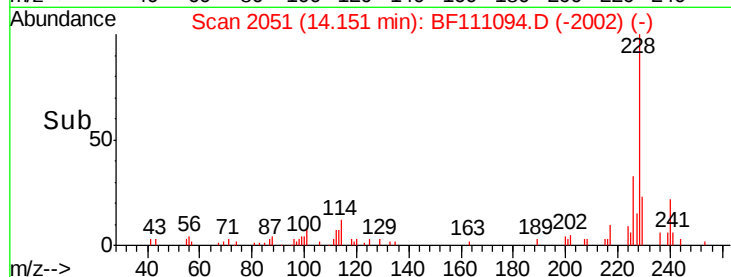
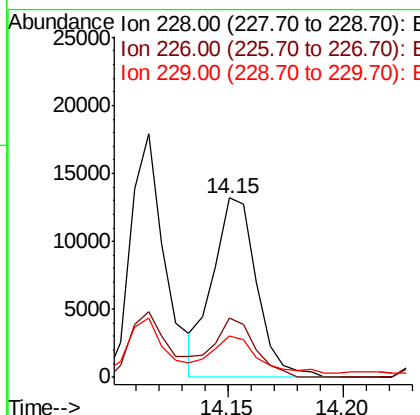
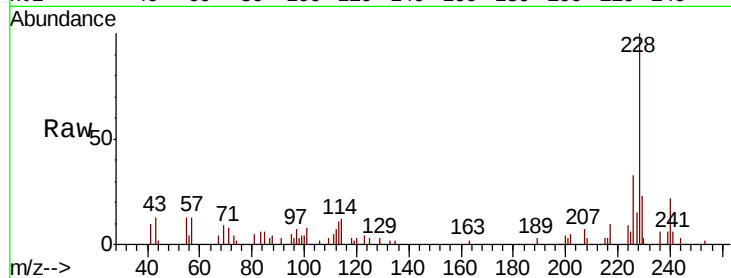




#83
Chrysene
Concen: 2.179 ng
RT: 14.15 min Scan# 2051
Delta R.T. -0.01 min
Lab File: BF111094.D
Acq: 29 Nov 2018 16:58

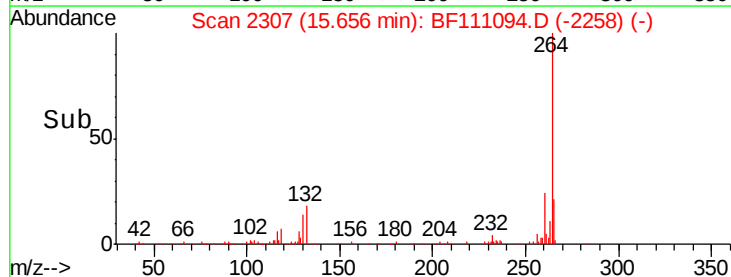
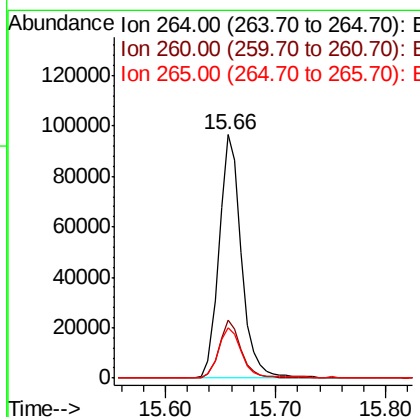
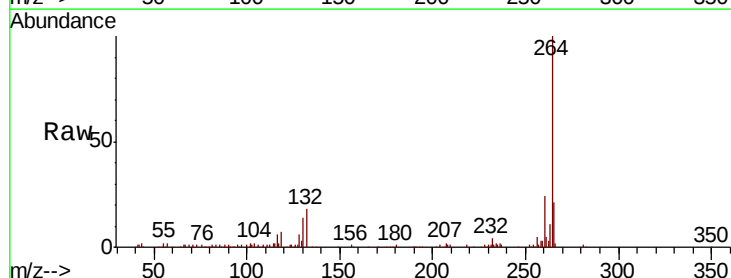
Instrument :
BNA_F
ClientSampled :

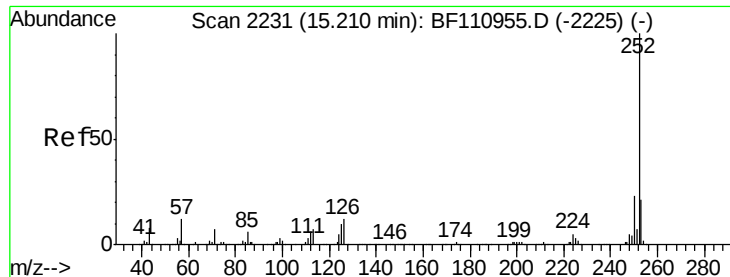
Tot Ion:228 Resp: 17508
Ion Ratio Lower Upper
228 100
226 32.7 24.7 37.1
229 23.3 15.9 23.9



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.66 min Scan# 2307
Delta R.T. -0.01 min
Lab File: BF111094.D
Acq: 29 Nov 2018 16:58

Tgt Ion:264 Resp: 135682
Ion Ratio Lower Upper
264 100
260 23.7 18.7 28.1
265 20.6 16.7 25.1

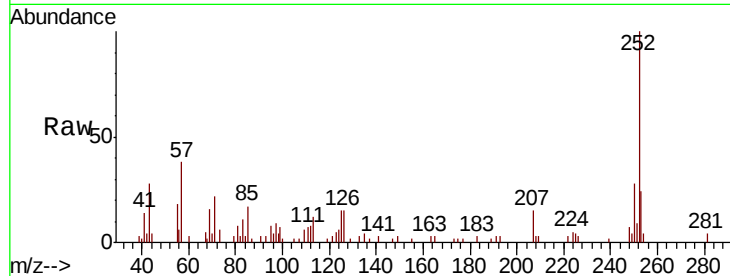




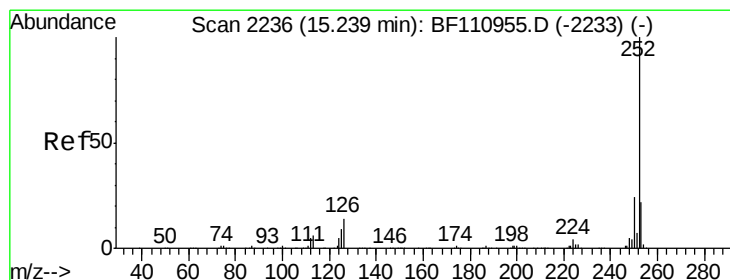
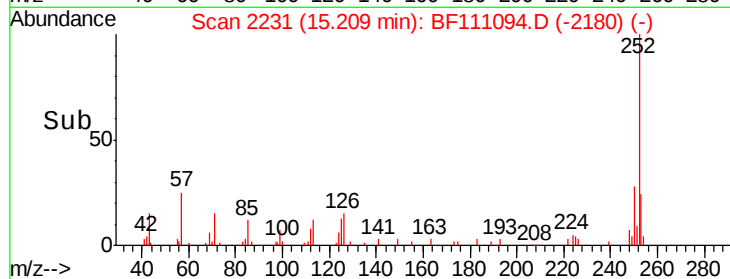
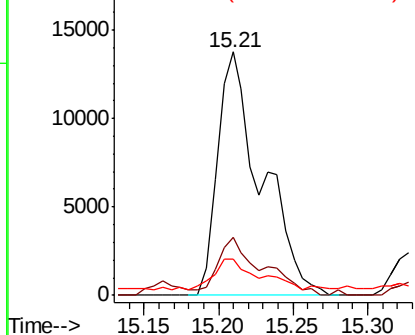
#88
Benzo(b)fluoranthene
Concen: 3.527 ng
RT: 15.21 min Scan# 2231
Delta R.T. -0.00 min
Lab File: BF111094.D
Acq: 29 Nov 2018 16:58

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 28112
Ion Ratio Lower Upper
252 100
253 23.6 17.2 25.8
125 15.1 8.2 12.4#

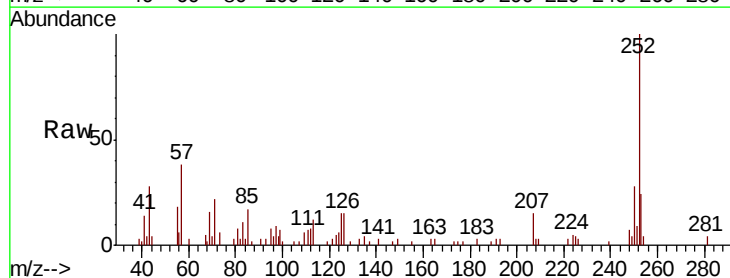


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

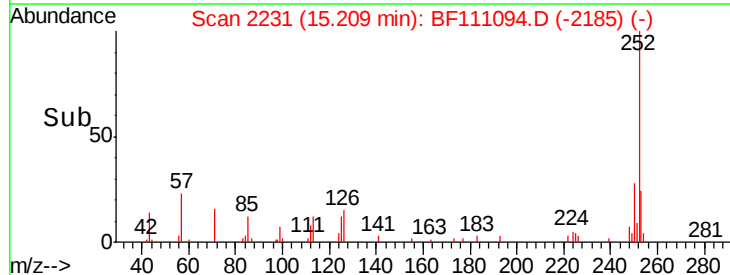
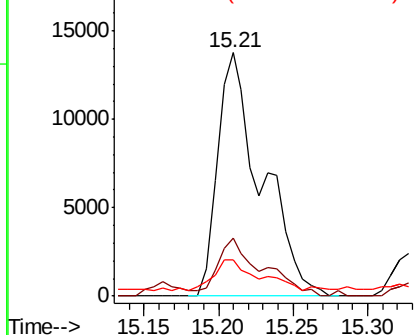


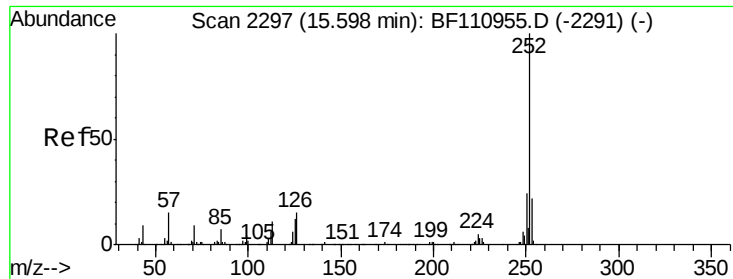
#89
Benzo(k)fluoranthene
Concen: 3.427 ng
RT: 15.21 min Scan# 2231
Delta R.T. -0.03 min
Lab File: BF111094.D
Acq: 29 Nov 2018 16:58

Tgt Ion:252 Resp: 28112
Ion Ratio Lower Upper
252 100
253 23.6 17.2 25.8
125 15.1 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: 2.063 ng

RT: 15.60 min Scan# 2297

Delta R.T. -0.01 min

Lab File: BF111094.D

Acq: 29 Nov 2018 16:58

Instrument :

BNA_F

ClientSampleId :

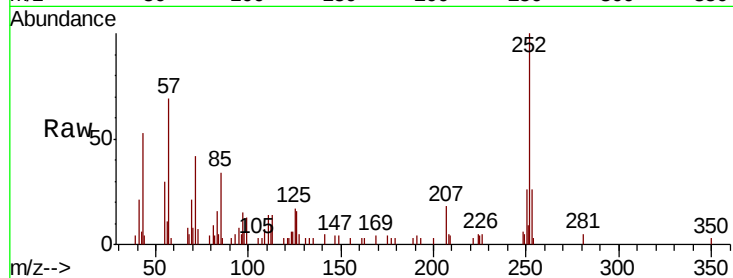
Tot Ion:252 Resp: 15305

Ion Ratio Lower Upper

252 100

253 26.2 18.2 27.4

125 17.1 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

