

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102518\
 Data File : BF110178.D
 Acq On : 25 Oct 2018 23:24
 Operator : JU/SJ
 Sample : J5625-15
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 26 06:39:13 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 23 15:06:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	144500	20.00	ng	-0.02
21) Naphthalene-d8	8.25	136	567374	20.00	ng	-0.02
39) Acenaphthene-d10	10.01	164	236678	20.00	ng	-0.02
64) Phenanthrene-d10	11.50	188	356785	20.00	ng	-0.02
76) Chrysene-d12	14.15	240	266267	20.00	ng	-0.01
87) Perylene-d12	15.67	264	215456	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.59	112	773744	87.20	ng	0.00
7) Phenol-d6	6.59	99	972361	85.67	ng	-0.02
23) Nitrobenzene-d5	7.53	82	593702	62.07	ng	-0.02
42) 2,4,6-Tribromophenol	10.80	330	171947	73.34	ng	-0.02
45) 2-Fluorobiphenyl	9.32	172	972885	64.55	ng	-0.02
79) Terphenyl-d14	13.09	244	654041	51.08	ng	-0.02

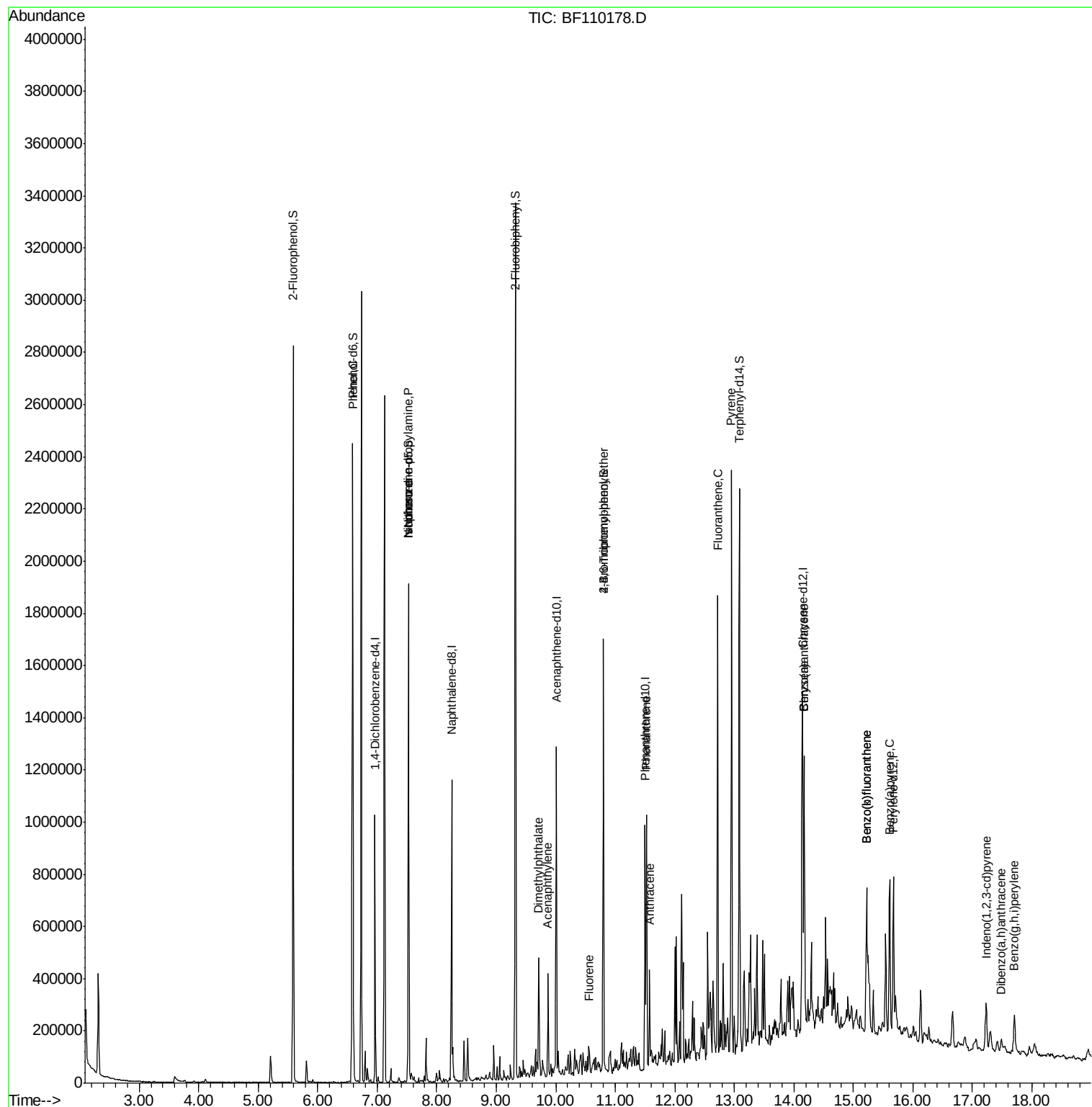
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.52	77	846	Below Cal		# 63
10) Phenol	6.60	94	110562	9.113	ng	# 68
19) n-Nitroso-di-n-propylamine	7.53	70	78650	10.801	ng	# 80
25) Isophorone	7.53	82	593693	36.410	ng	# 67
49) Acenaphthylene	9.87	152	147264	6.494	ng	99
50) Dimethylphthalate	9.72	163	174246	9.973	ng	100
58) Fluorene	10.56	166	33345	2.133	ng	97
67) 4-Bromophenyl-phenylether	10.80	248	10755	2.779	ng	# 1
71) Phenanthrene	11.52	178	357503	19.150	ng	99
72) Anthracene	11.57	178	142381	7.609	ng	98
75) Fluoranthene	12.72	202	649136	34.261	ng	99
78) Pyrene	12.95	202	939769	49.231	ng	99
81) Benzo(a)anthracene	14.17	228	385347	24.404	ng	96
83) Chrysene	14.17	228	385347	25.694	ng	98
86) Indeno(1,2,3-cd)pyrene	17.23	276	115449	9.279	ng	100
88) Benzo(b)fluoranthene	15.22	252	419859	33.746	ng	97
89) Benzo(k)fluoranthene	15.22	252	419859	34.326	ng	# 96
90) Benzo(a)pyrene	15.61	252	243829	21.298	ng	98
91) Dibenzo(a,h)anthracene	17.49	278	20382	2.063	ng	95
92) Benzo(a,h,i)perylene	17.70	276	119317	12.257	ng	# 96

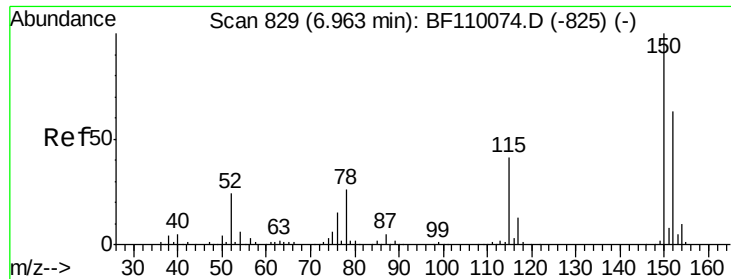
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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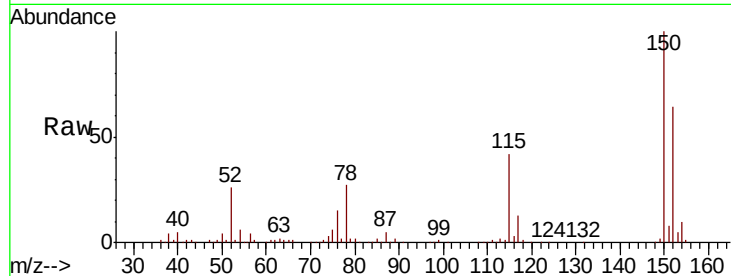


#1

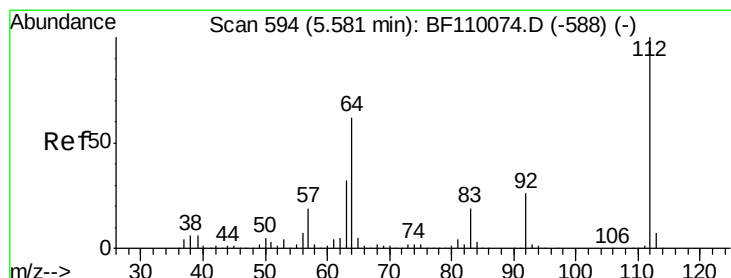
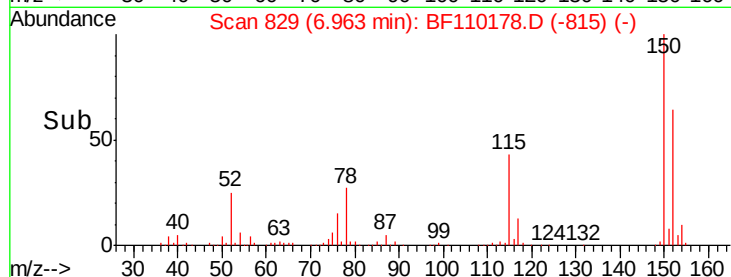
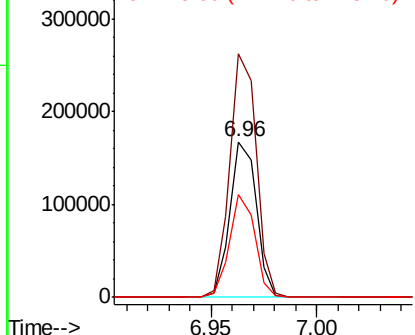
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 829
Delta R.T. -0.02 min
Lab File: BF110178.D
Acq: 25 Oct 2018 23:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 144500
Ion Ratio Lower Upper
152 100
150 156.7 122.7 184.1
115 66.5 49.1 73.7



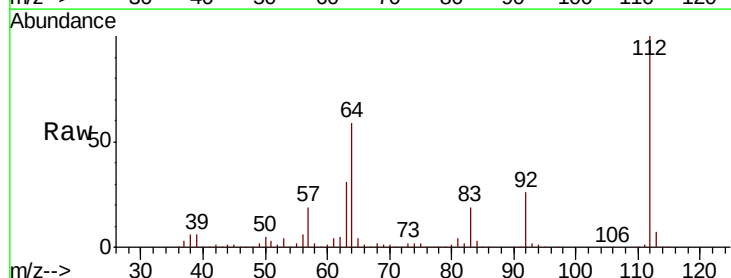
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



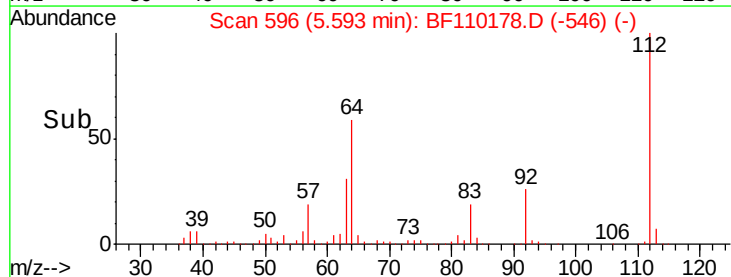
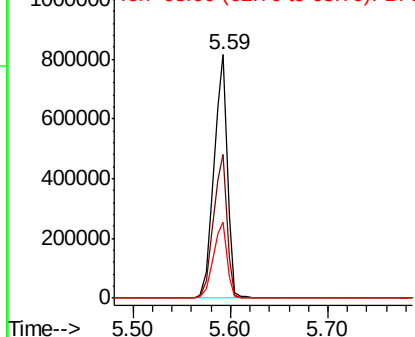
#5

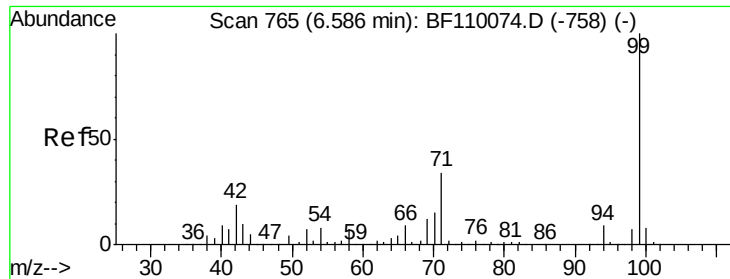
2-Fluorophenol
Concen: 87.198 ng
RT: 5.59 min Scan# 596
Delta R.T. -0.01 min
Lab File: BF110178.D
Acq: 25 Oct 2018 23:24

Tgt Ion:112 Resp: 773744
Ion Ratio Lower Upper
112 100
64 59.2 44.1 66.1
63 31.4 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: 85.672 ng

RT: 6.59 min Scan# 765

Delta R.T. -0.02 min

Lab File: BF110178.D

Acq: 25 Oct 2018 23:24

Instrument :

BNA_F

ClientSampled :

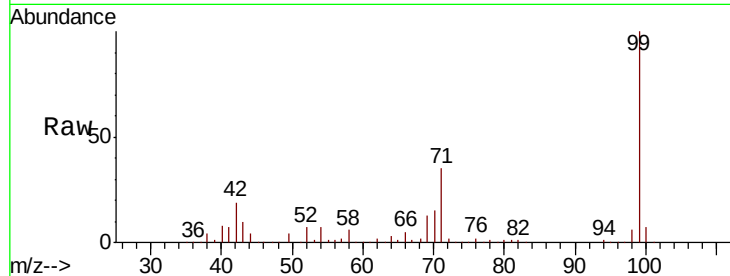
Tot Ion: 99 Resp: 972361

Ion Ratio Lower Upper

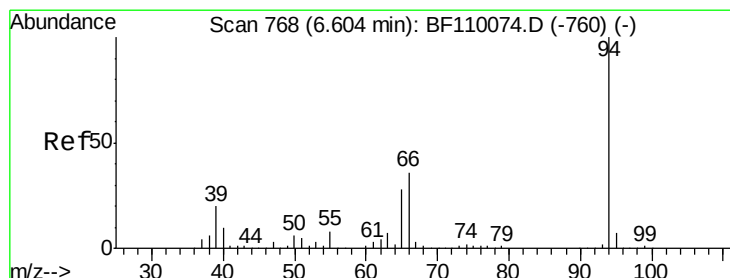
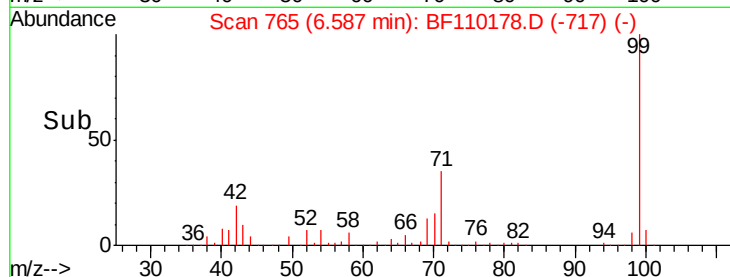
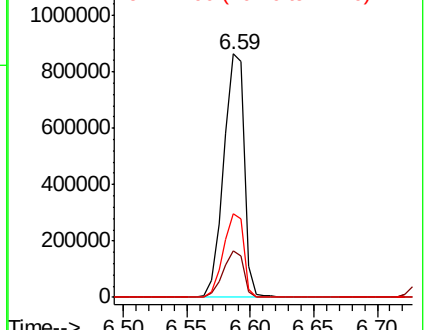
99 100

42 18.9 15.8 23.6

71 34.5 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: 9.113 ng

RT: 6.60 min Scan# 767

Delta R.T. -0.02 min

Lab File: BF110178.D

Acq: 25 Oct 2018 23:24

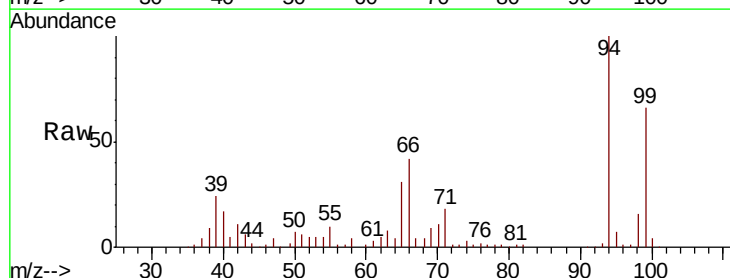
Tgt Ion: 94 Resp: 110562

Ion Ratio Lower Upper

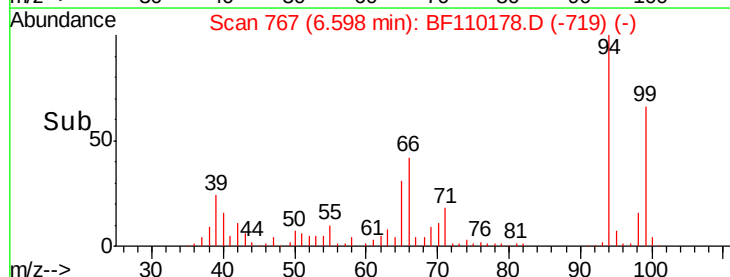
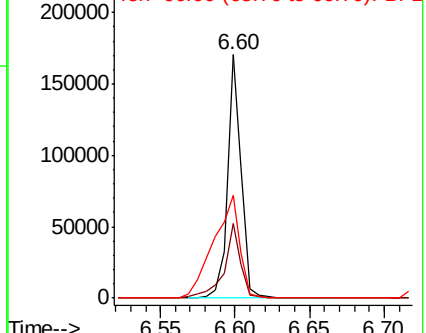
94 100

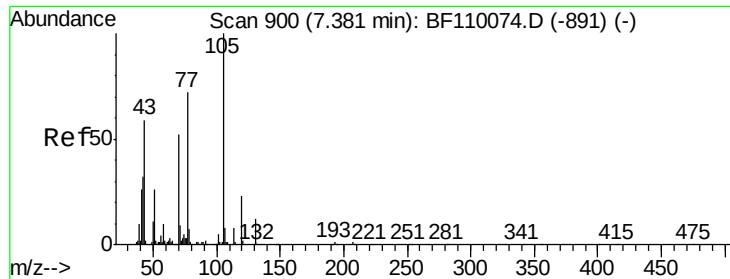
65 30.6 25.3 65.3

66 42.0 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

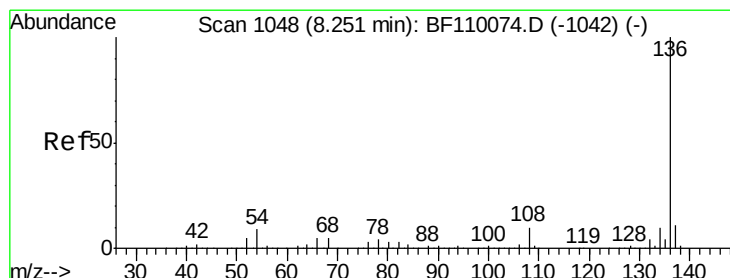
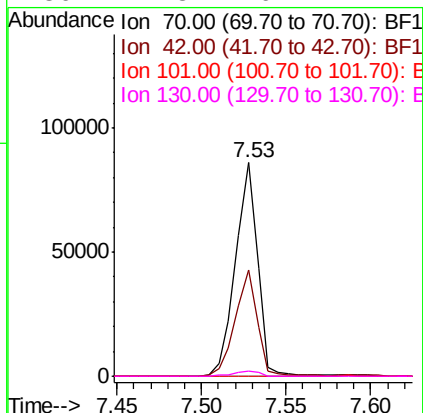
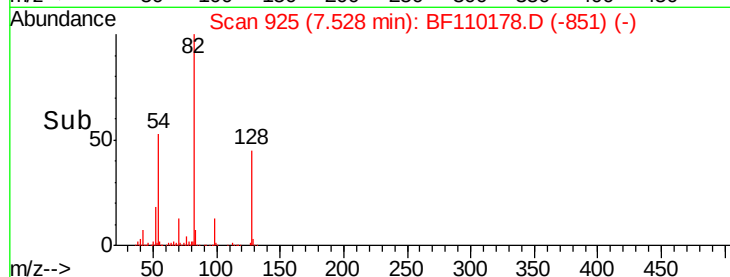
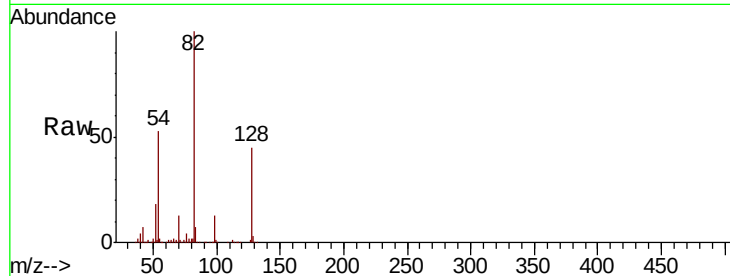




#19
n-Nitroso-di-n-propylamine
Concen: 10.801 ng
RT: 7.53 min Scan# 925
Delta R.T. 0.14 min
Lab File: BF110178.D
Acq: 25 Oct 2018 23:24

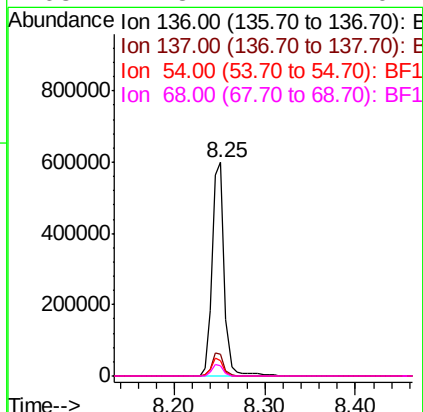
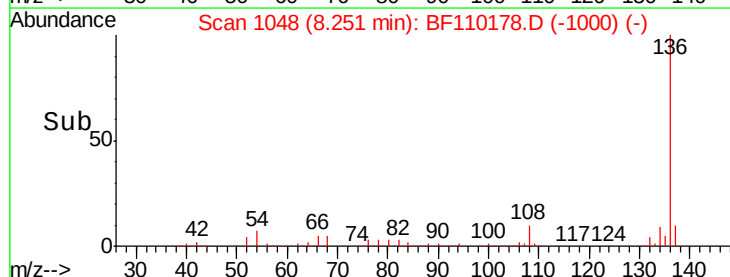
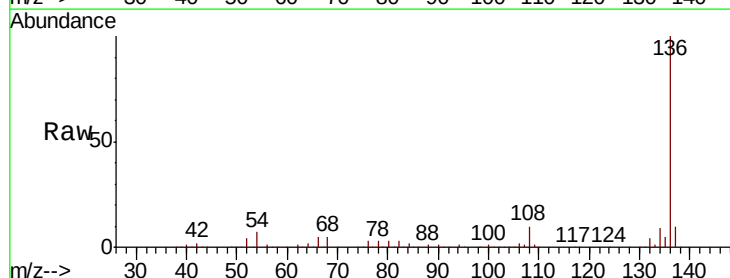
Instrument :
BNA_F
ClientSampled :

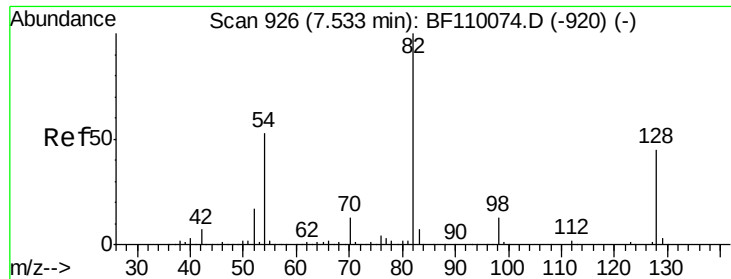
Tot Ion: 70 Resp: 78650
Ion Ratio Lower Upper
70 100
42 49.6 47.4 71.2
101 0.0 7.3 10.9#
130 2.3 16.2 24.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1048
Delta R.T. -0.02 min
Lab File: BF110178.D
Acq: 25 Oct 2018 23:24

Tgt Ion: 136 Resp: 567374
Ion Ratio Lower Upper
136 100
137 10.5 8.8 13.2
54 7.0 5.4 8.2
68 4.8 4.2 6.2

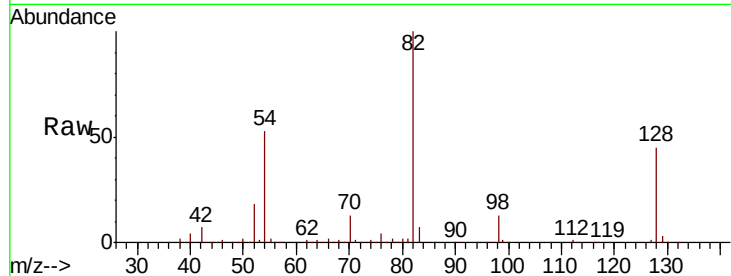




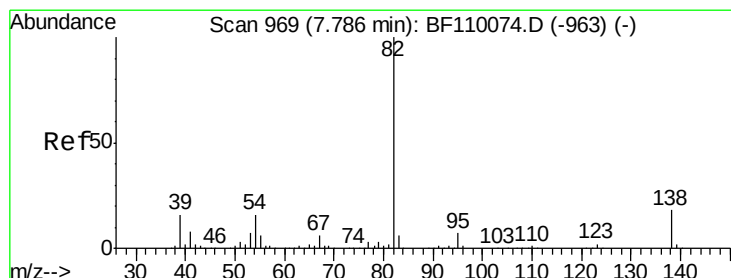
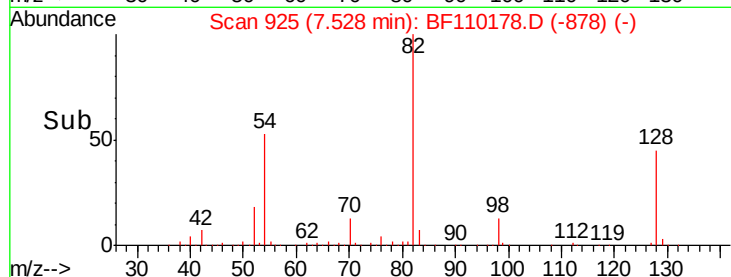
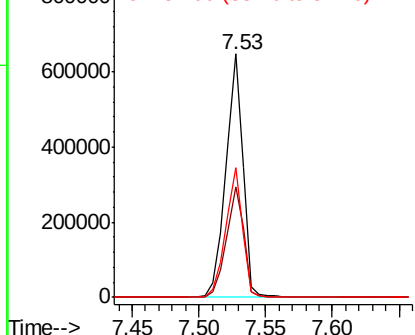
#23
Nitrobenzene-d5
Concen: 62.066 ng
RT: 7.53 min Scan# 925
Delta R.T. -0.02 min
Lab File: BF110178.D
Acq: 25 Oct 2018 23:24

Instrument :
BNA_F
ClientSampled :

Tot Ion: 82 Resp: 593702
Ion Ratio Lower Upper
82 100
128 45.4 34.2 51.2
54 53.1 38.6 58.0

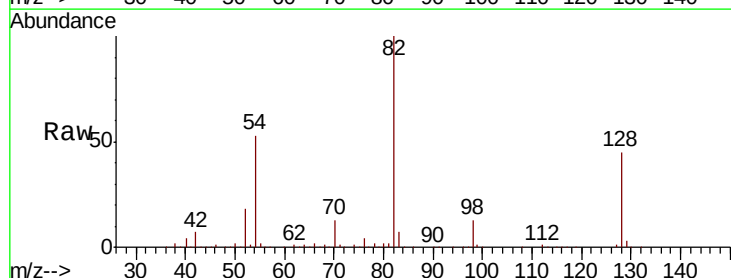


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

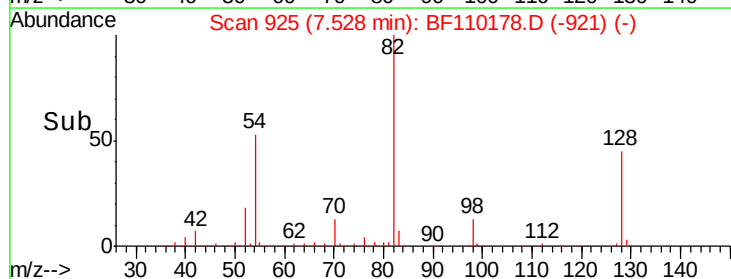
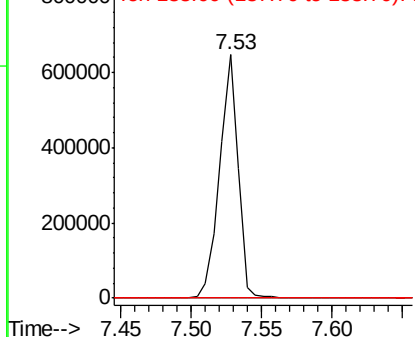


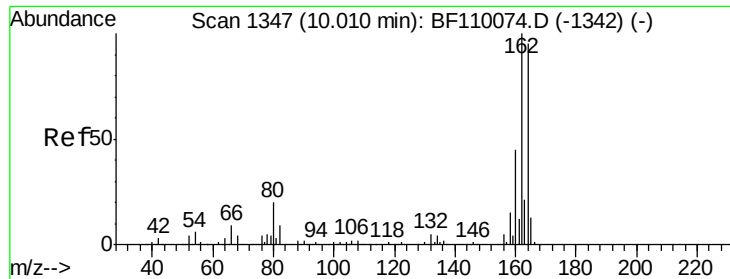
#25
Isophorone
Concen: 36.410 ng
RT: 7.53 min Scan# 925
Delta R.T. -0.28 min
Lab File: BF110178.D
Acq: 25 Oct 2018 23:24

Tgt Ion: 82 Resp: 593693
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: 10.01 min Scan# 1347

Delta R.T. -0.02 min

Lab File: BF110178.D

Acq: 25 Oct 2018 23:24

Instrument :

BNA_F

ClientSampleId :

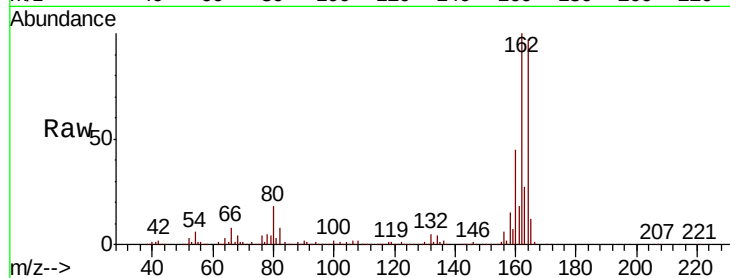
Tot Ion:164 Resp: 236678

Ion Ratio Lower Upper

164 100

162 103.2 83.0 124.6

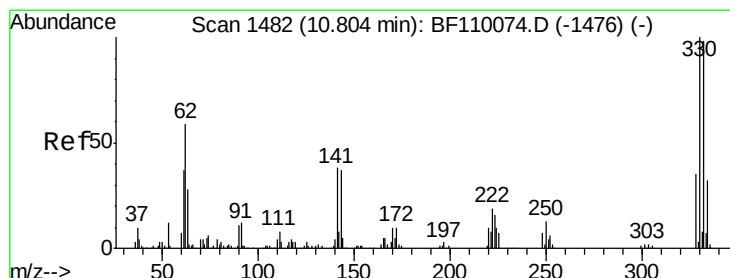
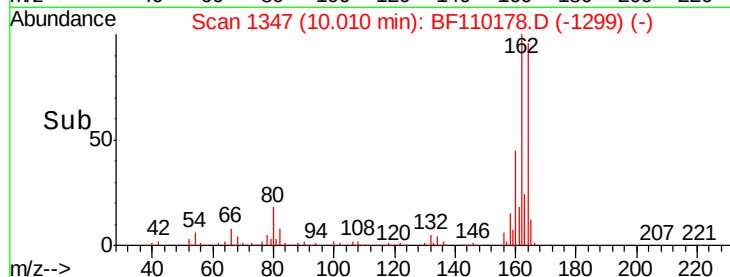
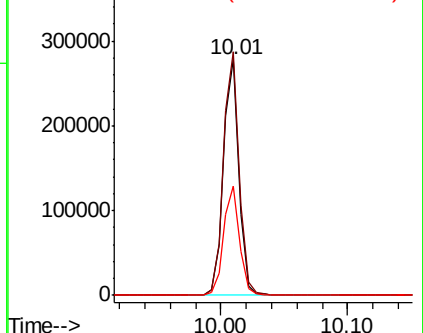
160 46.4 37.0 55.6



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: 73.342 ng

RT: 10.80 min Scan# 1481

Delta R.T. -0.02 min

Lab File: BF110178.D

Acq: 25 Oct 2018 23:24

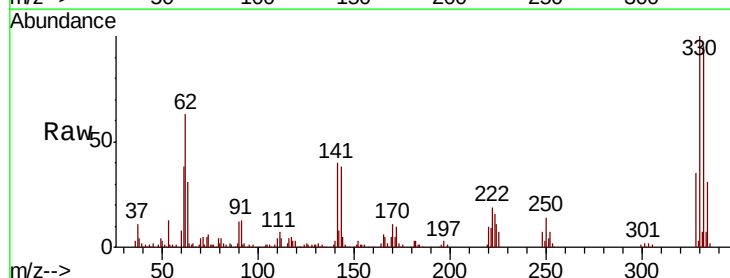
Tgt Ion:330 Resp: 171947

Ion Ratio Lower Upper

330 100

332 95.1 77.1 115.7

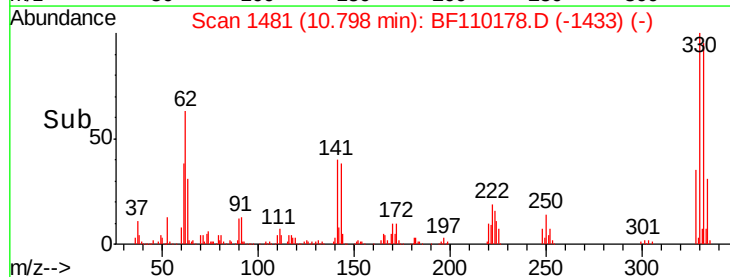
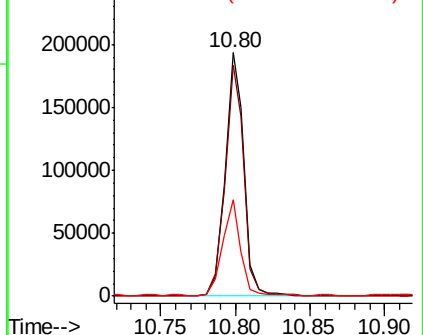
141 37.0 27.0 40.4

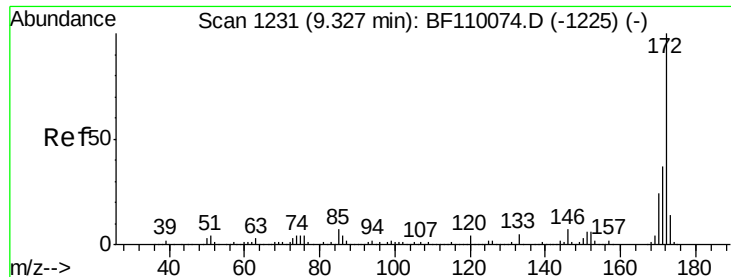


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

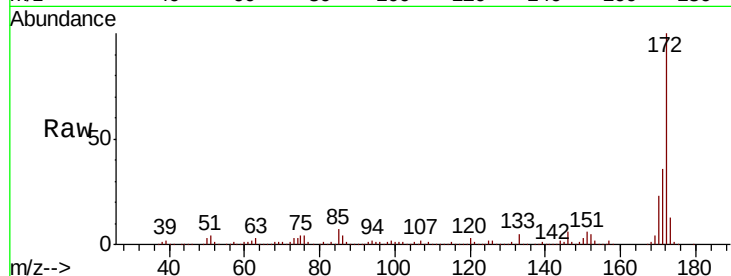




#45
2-Fluorobiphenyl
Concen: 64.547 ng
RT: 9.32 min Scan# 1230
Delta R.T. -0.02 min
Lab File: BF110178.D
Acq: 25 Oct 2018 23:24

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.0	28.6	43.0
170	23.3	19.7	29.5

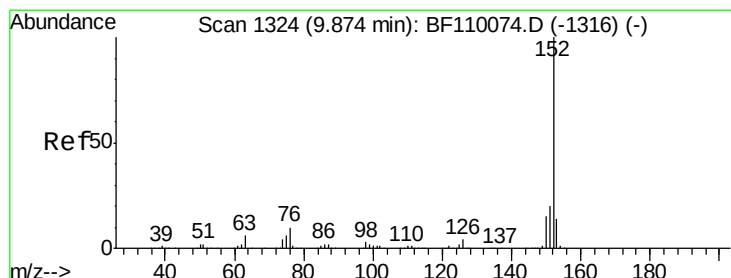
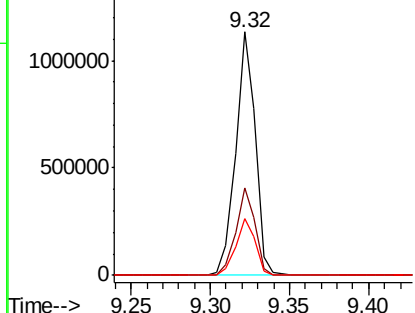
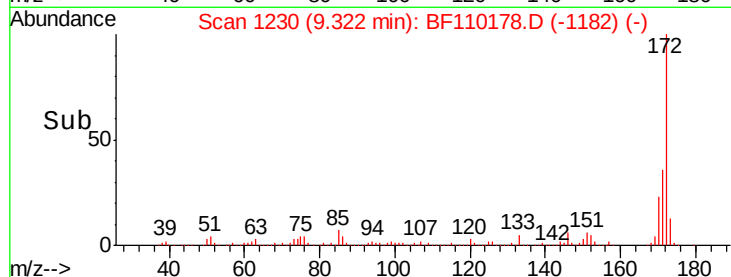


Abundance

Ion 172.00 (171.70 to 172.70): E

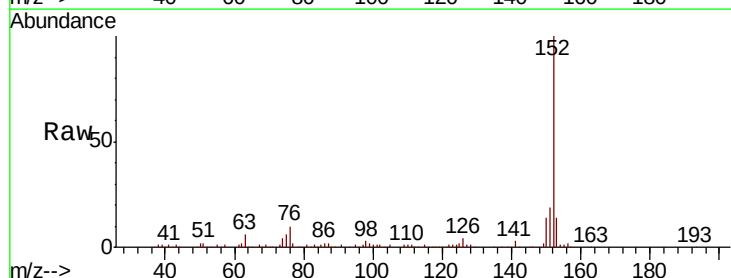
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#49
Acenaphthylene
Concen: 6.494 ng
RT: 9.87 min Scan# 1323
Delta R.T. -0.02 min
Lab File: BF110178.D
Acq: 25 Oct 2018 23:24

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.2	15.8	23.8
153	13.6	10.4	15.6

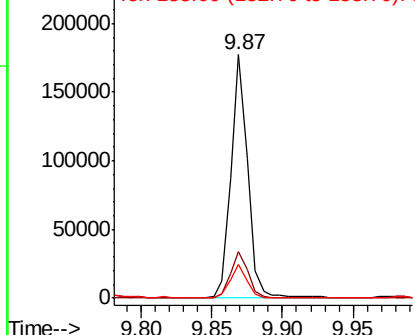
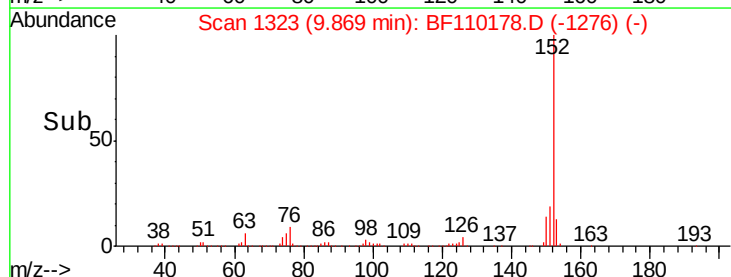


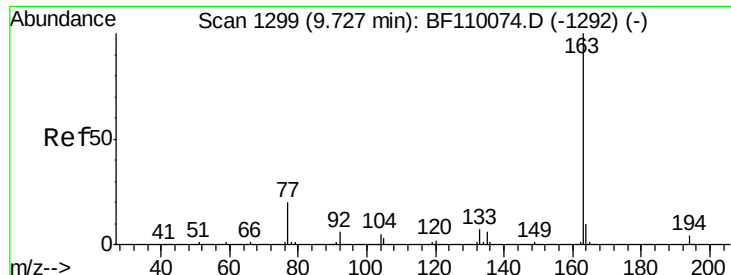
Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#50

Dimethylphthalate

Concen: 9.973 ng

RT: 9.72 min Scan# 1297

Delta R.T. -0.02 min

Lab File: BF110178.D

Acq: 25 Oct 2018 23:24

Instrument :

BNA_F

ClientSampled :

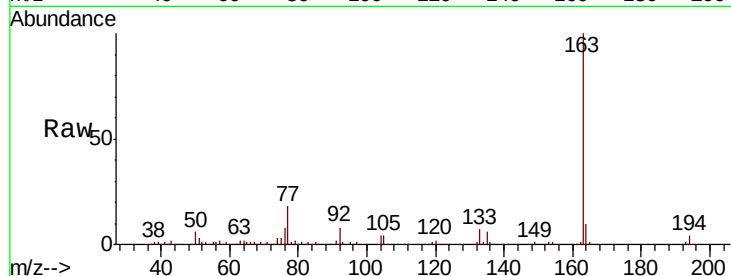
Tot Ion:163 Resp: 174246

Ion Ratio Lower Upper

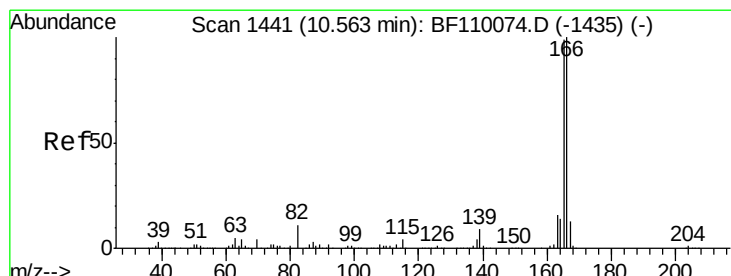
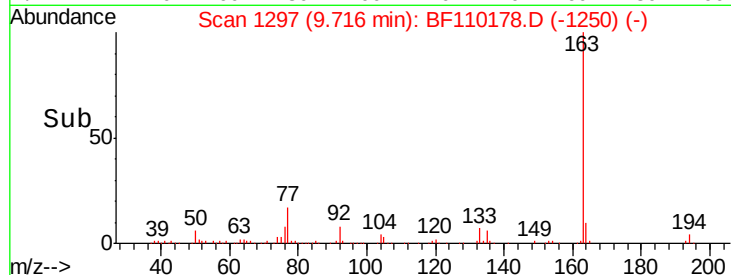
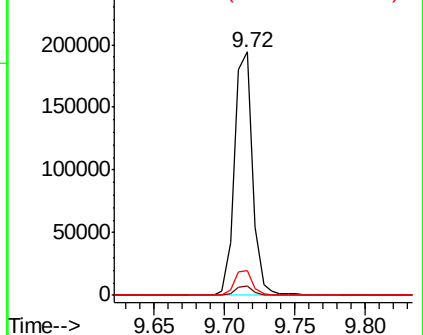
163 100

194 4.1 3.2 4.8

164 9.9 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



#58

Fluorene

Concen: 2.133 ng

RT: 10.56 min Scan# 1440

Delta R.T. -0.02 min

Lab File: BF110178.D

Acq: 25 Oct 2018 23:24

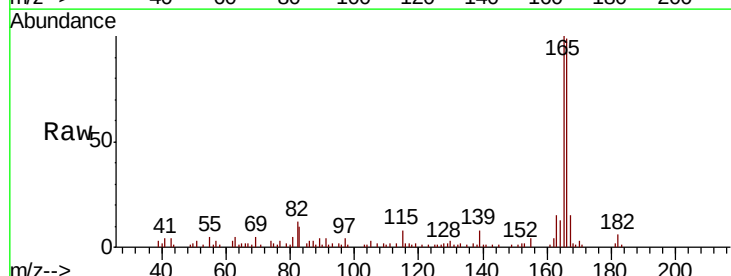
Tgt Ion:166 Resp: 33345

Ion Ratio Lower Upper

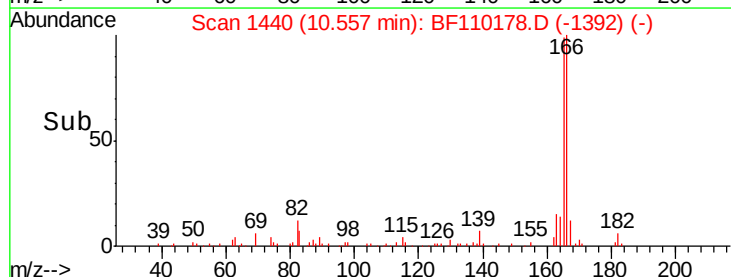
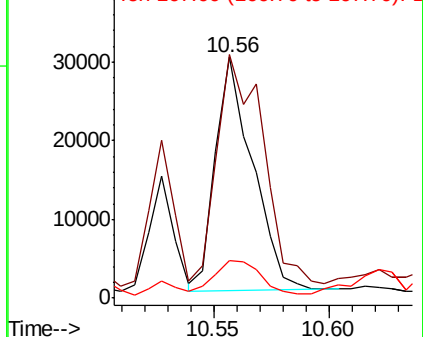
166 100

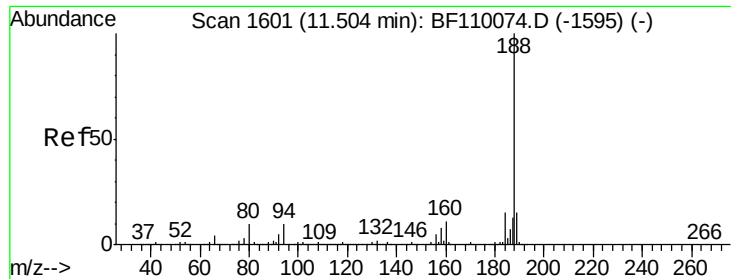
165 101.0 78.6 117.8

167 15.4 10.8 16.2



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.50 min Scan# 1600

Delta R.T. -0.02 min

Lab File: BF110178.D

Acq: 25 Oct 2018 23:24

Instrument :

BNA_F

ClientSampleId :

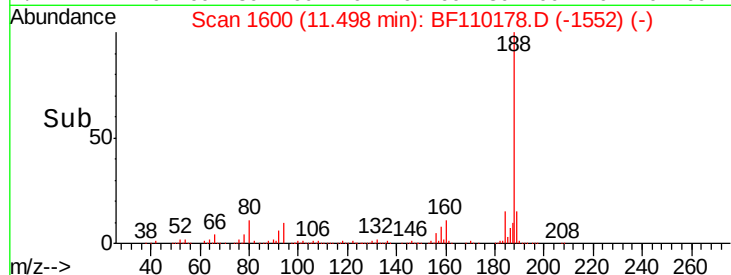
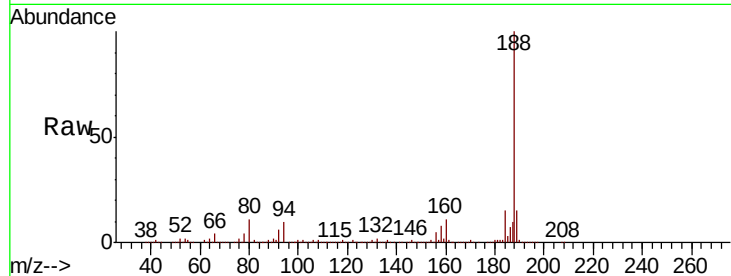
Tot Ion:188 Resp: 356785

Ion Ratio Lower Upper

188 100

94 9.8 7.2 10.8

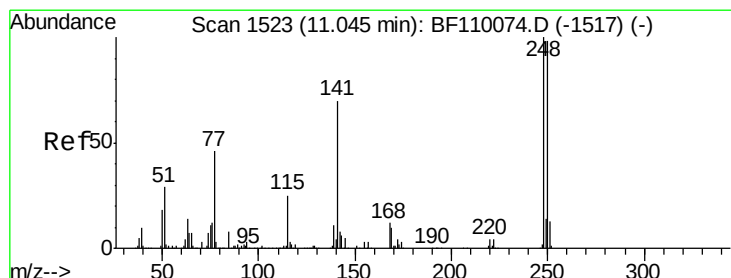
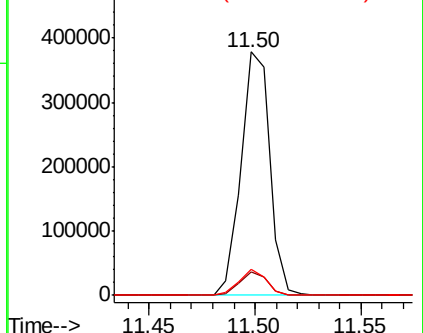
80 10.6 7.9 11.9



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: 2.779 ng

RT: 10.80 min Scan# 1481

Delta R.T. -0.26 min

Lab File: BF110178.D

Acq: 25 Oct 2018 23:24

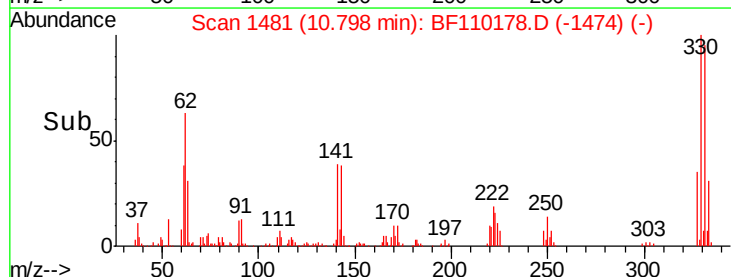
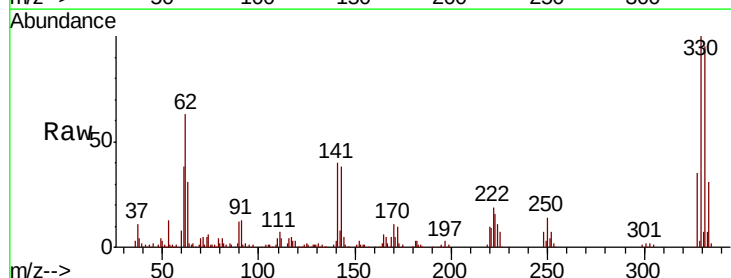
Tgt Ion:248 Resp: 10755

Ion Ratio Lower Upper

248 100

250 206.0 79.4 119.2#

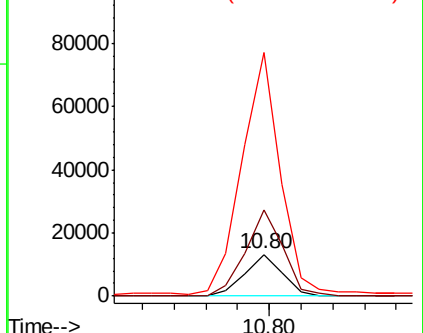
141 582.4 55.9 83.9#

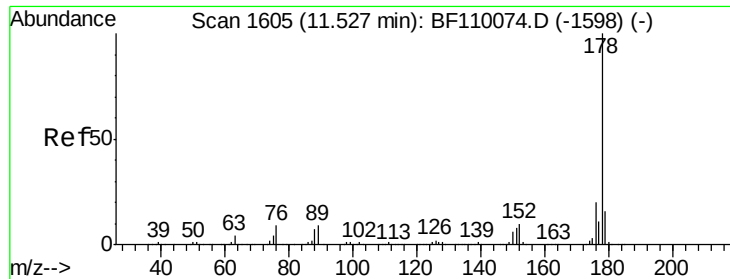


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

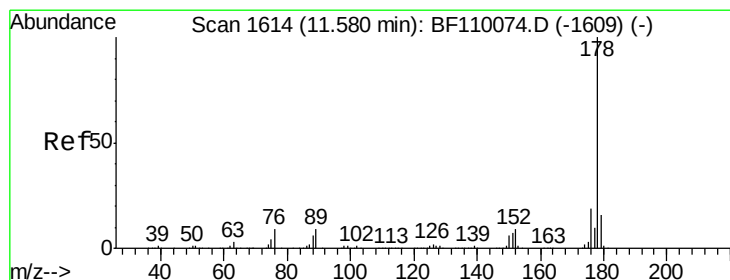
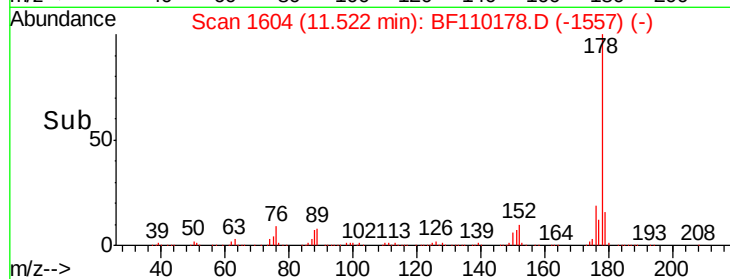
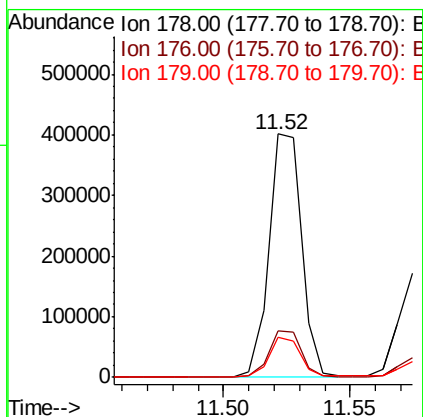
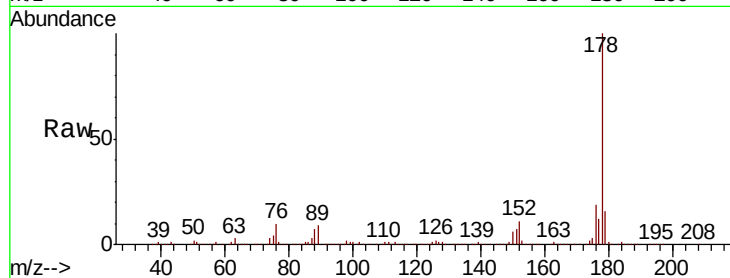




#71
Phenanthrene
Concen: 19.150 ng
RT: 11.52 min Scan# 1604
Delta R.T. -0.02 min
Lab File: BF110178.D
Acq: 25 Oct 2018 23:24

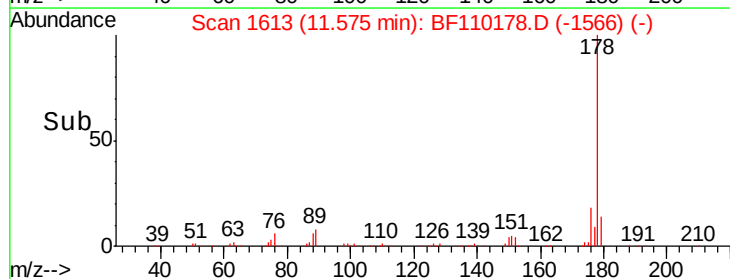
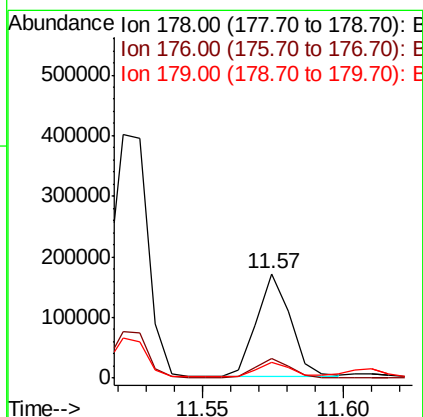
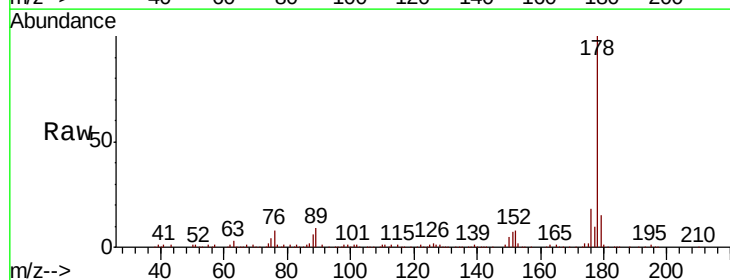
Instrument :
BNA_F
ClientSampleId :

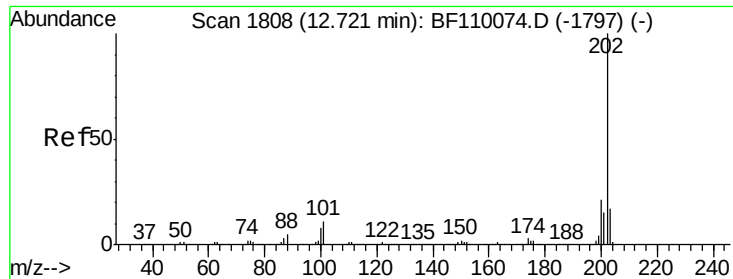
Tot Ion:178 Resp: 357503
Ion Ratio Lower Upper
178 100
176 19.1 15.5 23.3
179 16.3 12.5 18.7



#72
Anthracene
Concen: 7.609 ng
RT: 11.57 min Scan# 1613
Delta R.T. -0.02 min
Lab File: BF110178.D
Acq: 25 Oct 2018 23:24

Tgt Ion:178 Resp: 142381
Ion Ratio Lower Upper
178 100
176 18.4 15.4 23.2
179 15.1 12.6 18.8





#75

Fluoranthene

Concen: 34.261 ng

RT: 12.72 min Scan# 1808

Delta R.T. -0.01 min

Lab File: BF110178.D

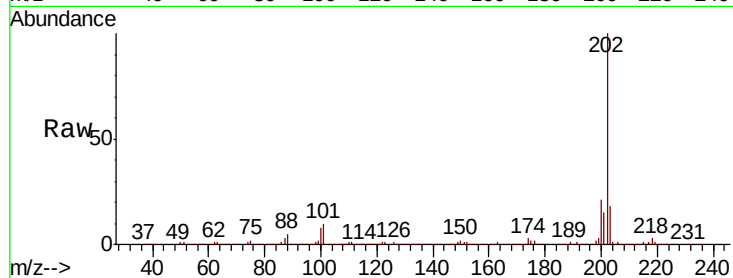
Acq: 25 Oct 2018 23:24

Instrument :

BNA_F

ClientSampled :

Tot Ion:	202	Resp:	649136
Ion	Ratio	Lower	Upper
202	100		
101	10.4	0.0	31.4
203	17.7	0.0	37.7

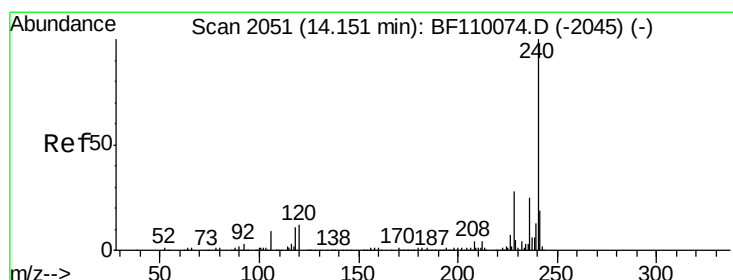
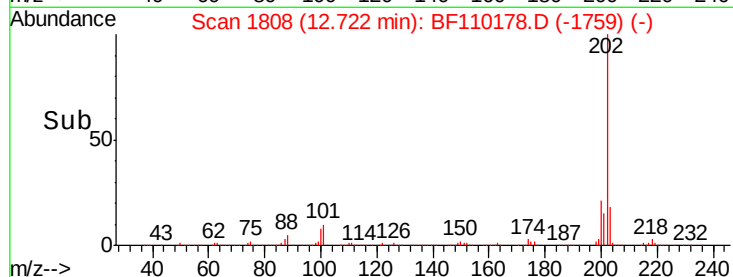
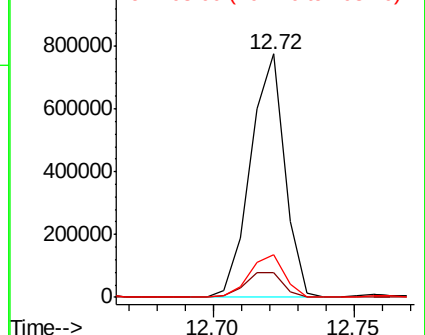


Abundance

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

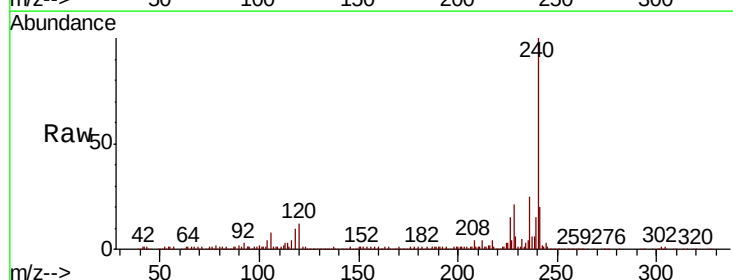
RT: 14.15 min Scan# 2051

Delta R.T. -0.01 min

Lab File: BF110178.D

Acq: 25 Oct 2018 23:24

Tgt Ion:	240	Resp:	266267
Ion	Ratio	Lower	Upper
240	100		
120	11.6	8.3	12.5
236	25.4	21.2	31.8

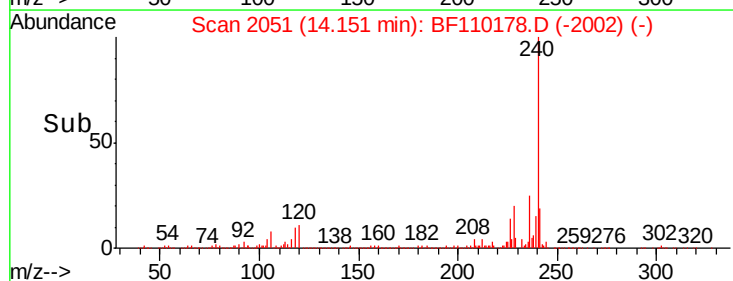
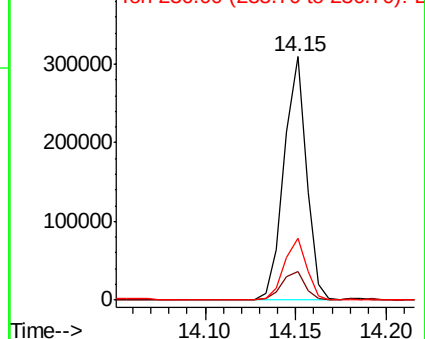


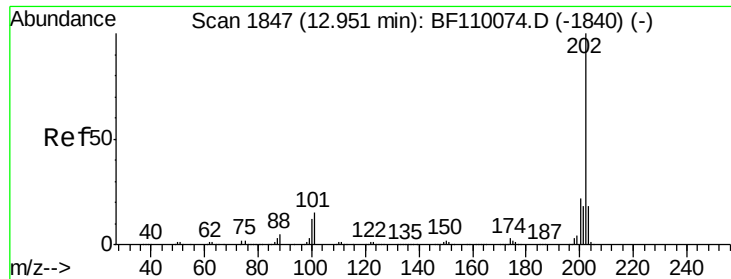
Abundance

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

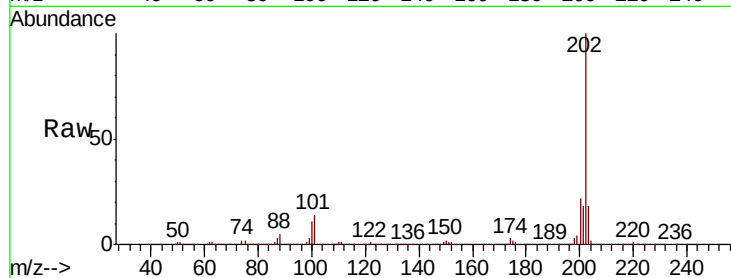




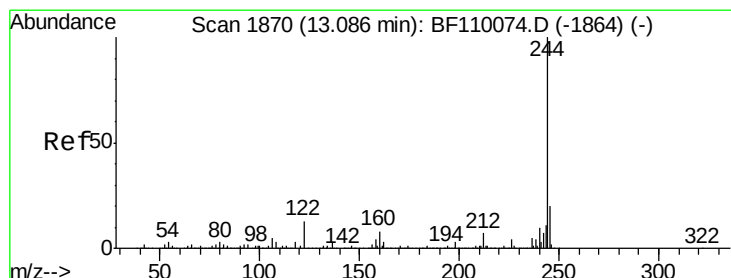
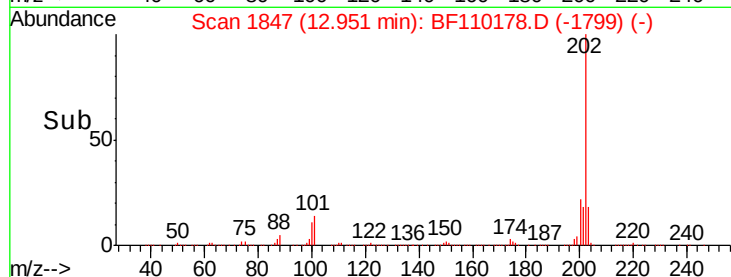
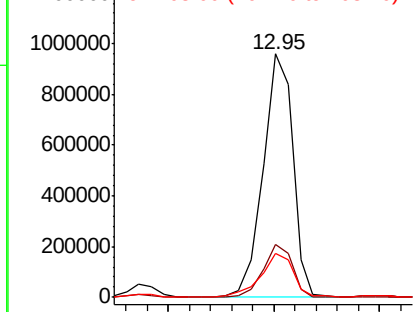
#78
Pvrene
Concen: 49.231 ng
RT: 12.95 min Scan# 1847
Delta R.T. -0.02 min
Lab File: BF110178.D
Acq: 25 Oct 2018 23:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion:202 Resp: 939769
Ion Ratio Lower Upper
202 100
200 21.8 17.8 26.6
203 17.8 14.2 21.4

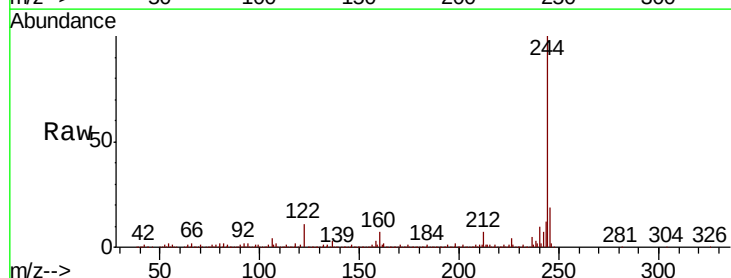


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

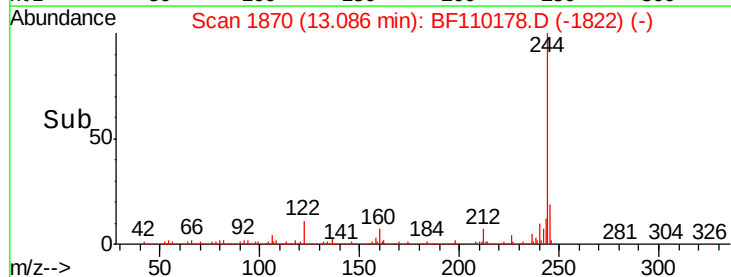
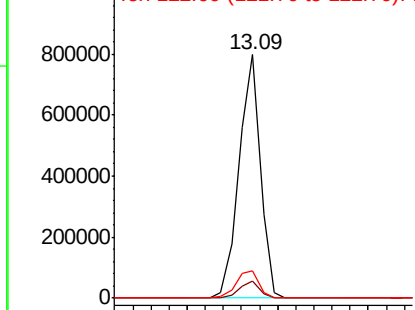


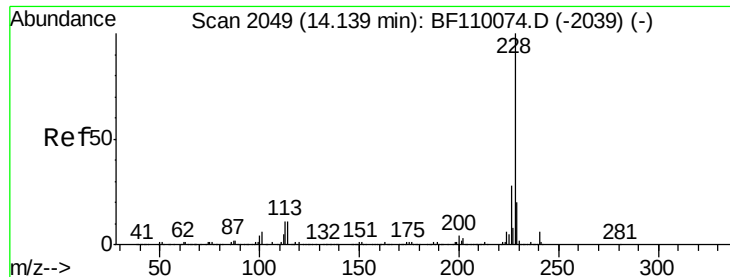
#79
Terphenyl-d14
Concen: 51.085 ng
RT: 13.09 min Scan# 1870
Delta R.T. -0.02 min
Lab File: BF110178.D
Acq: 25 Oct 2018 23:24

Tgt Ion:244 Resp: 654041
Ion Ratio Lower Upper
244 100
212 6.8 5.8 8.8
122 11.2 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

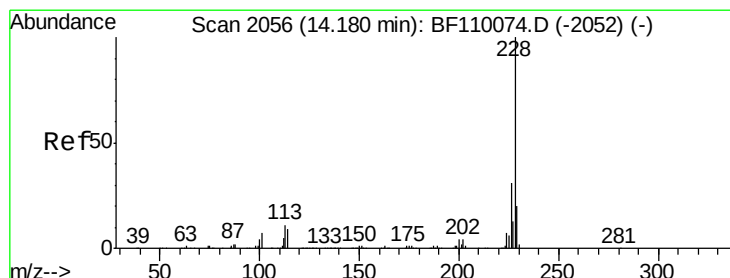
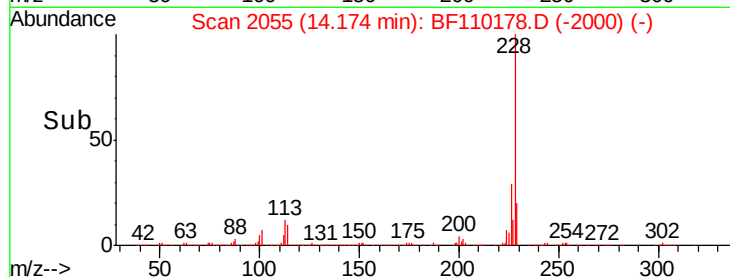
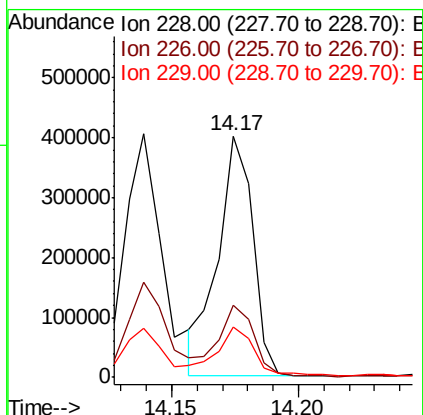
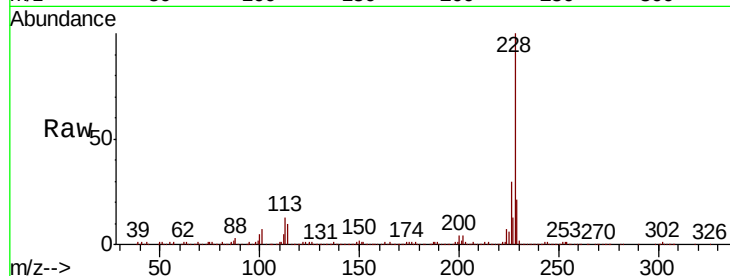




#81
Benzo(a)anthracene
Concen: 24.404 ng
RT: 14.17 min Scan# 2055
Delta R.T. 0.02 min
Lab File: BF110178.D
Acq: 25 Oct 2018 23:24

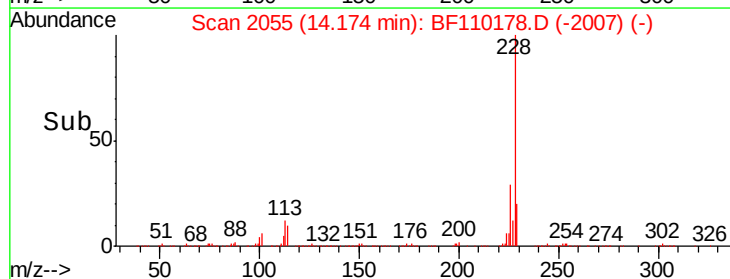
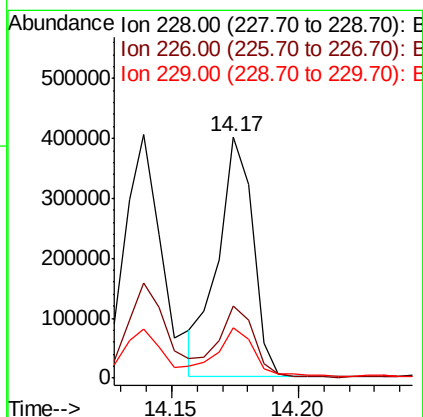
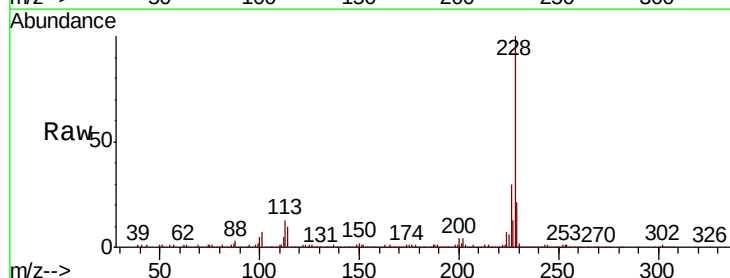
Instrument :
BNA_F
ClientSampled :

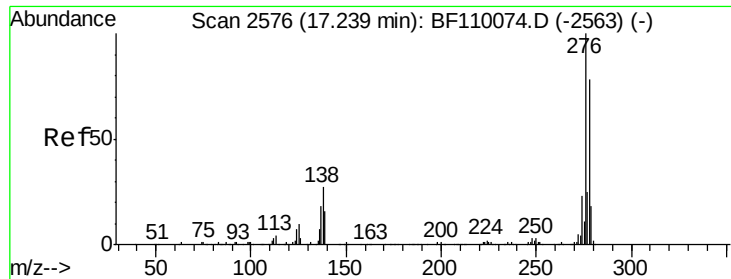
Tot Ion:228 Resp: 385347
Ion Ratio Lower Upper
228 100
226 29.8 22.1 33.1
229 20.9 15.6 23.4



#83
Chrysene
Concen: 25.694 ng
RT: 14.17 min Scan# 2055
Delta R.T. -0.02 min
Lab File: BF110178.D
Acq: 25 Oct 2018 23:24

Tgt Ion:228 Resp: 385347
Ion Ratio Lower Upper
228 100
226 29.8 24.7 37.1
229 20.9 15.9 23.9

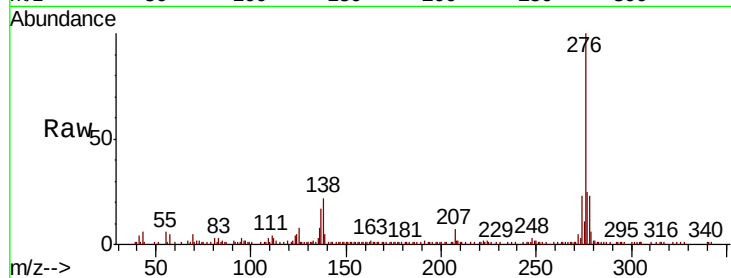




#86
Indeno(1,2,3-cd)pyrene
Concen: 9.279 ng
RT: 17.23 min Scan# 2575
Delta R.T. -0.03 min
Lab File: BF110178.D
Acq: 25 Oct 2018 23:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	22.9	18.5	27.7
277	25.2	20.0	30.0

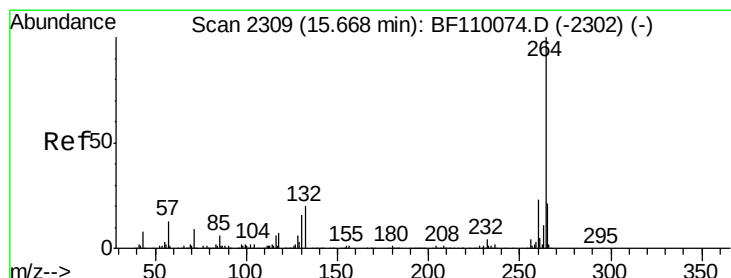
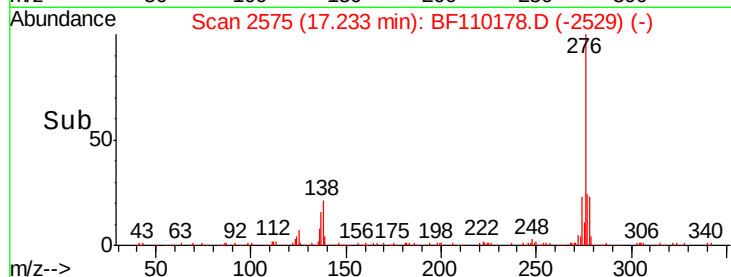
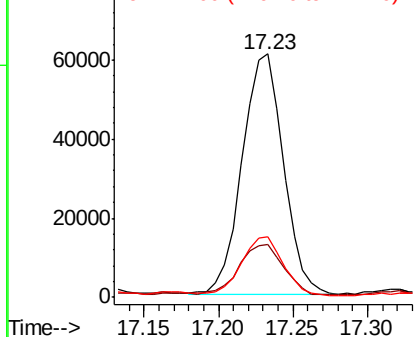


Abundance

Ion 276.00 (275.70 to 276.70): E

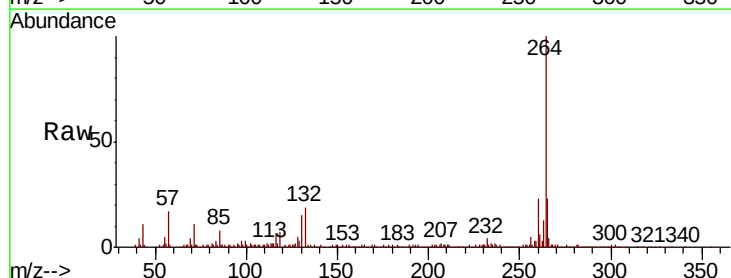
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.67 min Scan# 2310
Delta R.T. -0.02 min
Lab File: BF110178.D
Acq: 25 Oct 2018 23:24

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.7	28.1
265	22.7	16.7	25.1

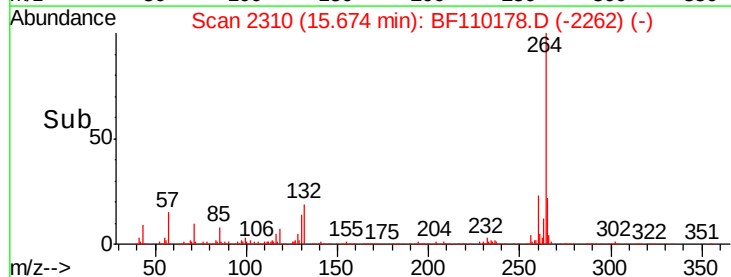
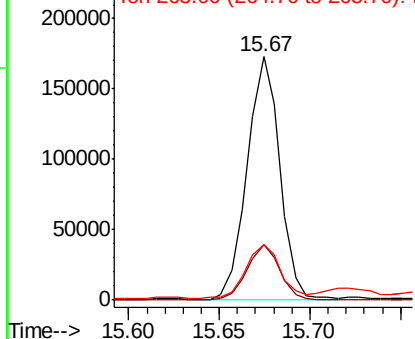


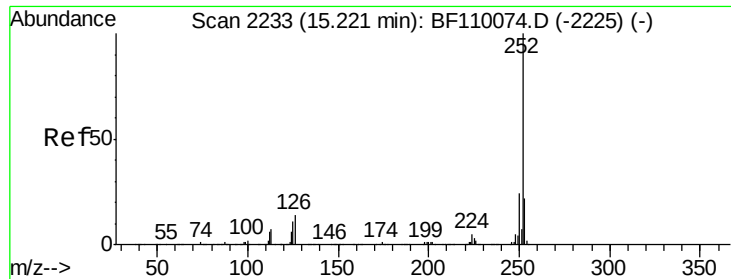
Abundance

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

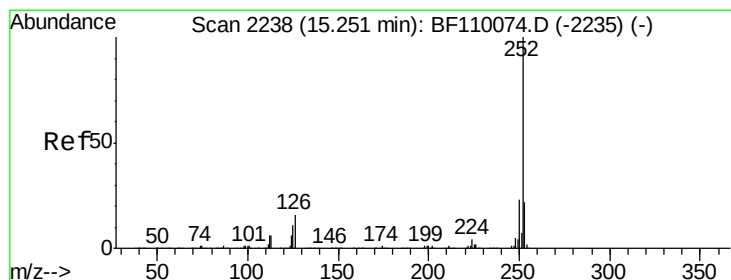
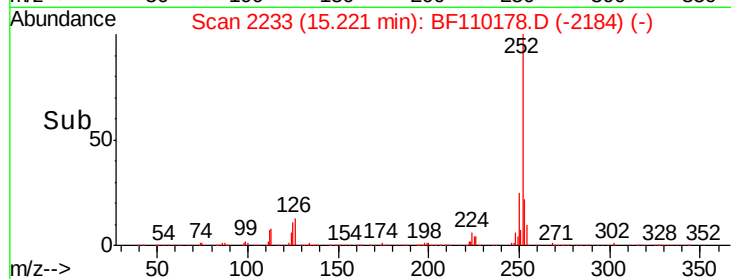
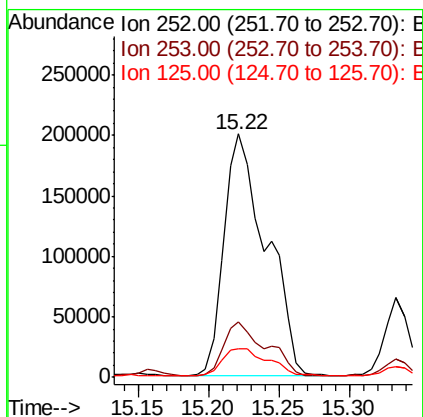
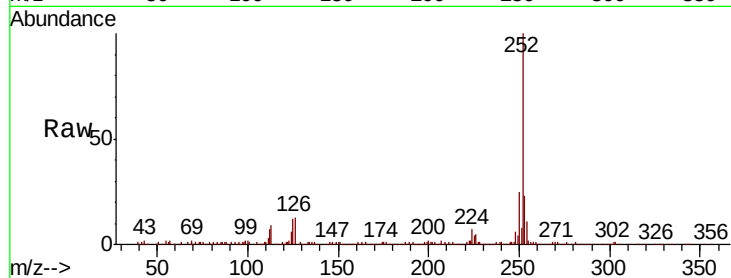




#88
Benzo(b)fluoranthene
Concen: 33.746 ng
RT: 15.22 min Scan# 2233
Delta R.T. -0.01 min
Lab File: BF110178.D
Acq: 25 Oct 2018 23:24

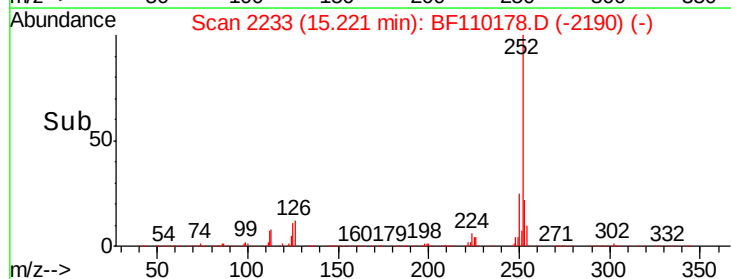
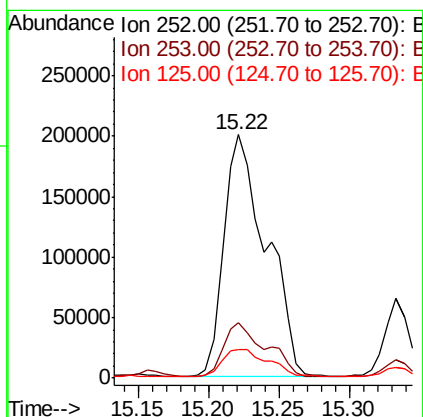
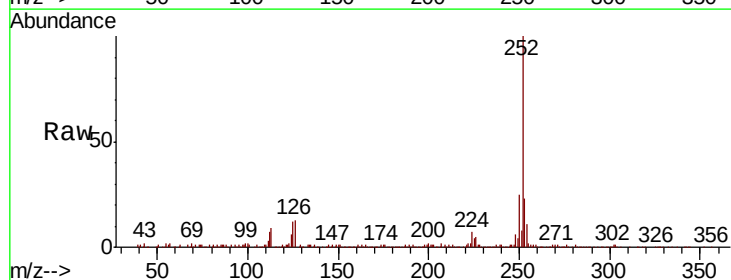
Instrument :
BNA_F
ClientSampleId :

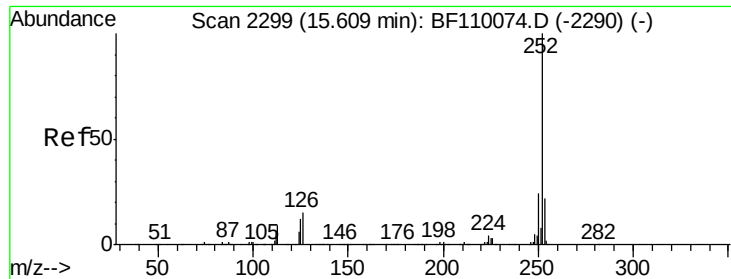
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.2	25.8
125	11.6	8.2	12.4



#89
Benzo(k)fluoranthene
Concen: 34.326 ng
RT: 15.22 min Scan# 2233
Delta R.T. -0.05 min
Lab File: BF110178.D
Acq: 25 Oct 2018 23:24

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.2	25.8
125	11.6	7.4	11.0





#90

Benzo(a)pyrene

Concen: 21.298 ng

RT: 15.61 min Scan# 2299

Delta R.T. -0.02 min

Lab File: BF110178.D

Acq: 25 Oct 2018 23:24

Instrument :

BNA_F

ClientSampleId :

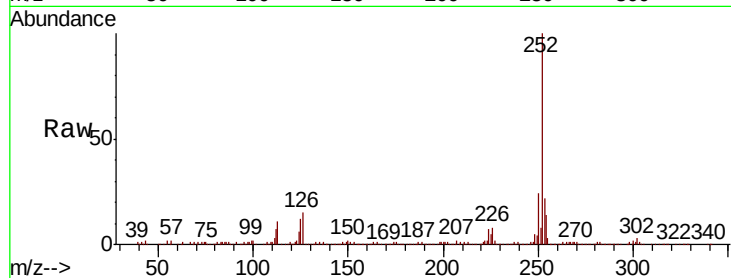
Tot Ion:252 Resp: 243829

Ion Ratio Lower Upper

252 100

253 21.7 18.2 27.4

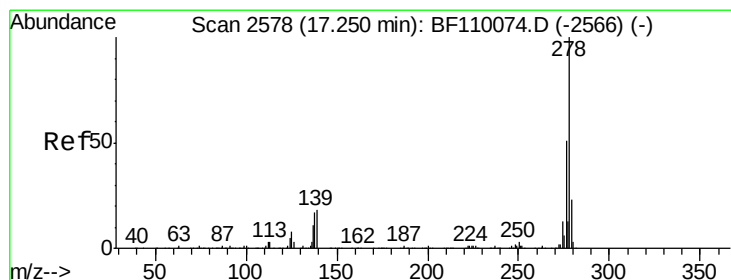
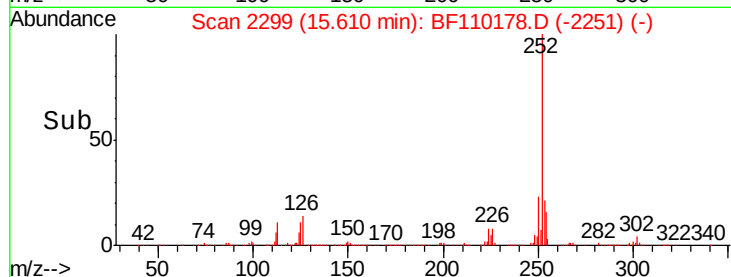
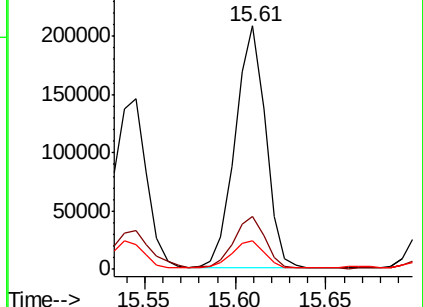
125 11.8 9.0 13.6



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91

Dibenzo(a,h)anthracene

Concen: 2.063 ng

RT: 17.49 min Scan# 2618

Delta R.T. 0.21 min

Lab File: BF110178.D

Acq: 25 Oct 2018 23:24

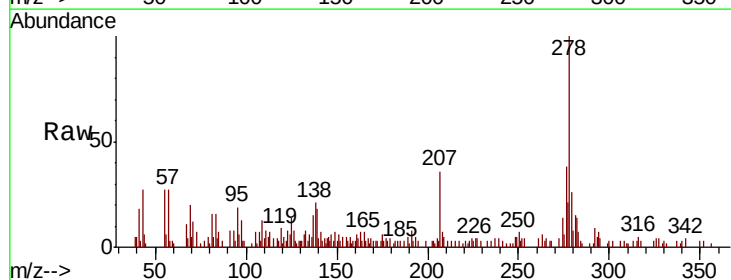
Tgt Ion:278 Resp: 20382

Ion Ratio Lower Upper

278 100

139 18.4 12.7 19.1

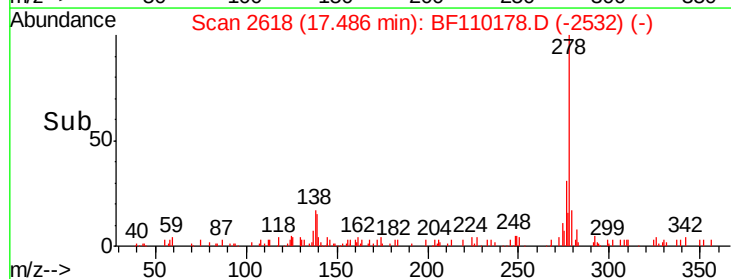
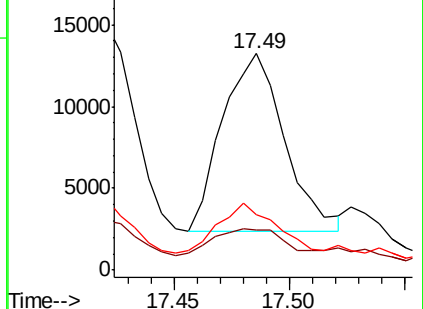
279 25.9 19.0 28.4

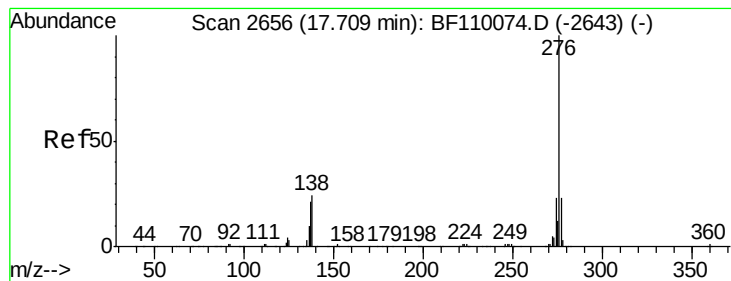


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#92

Benzo(a,h,i)perylene

Concen: 12.257 ng

RT: 17.70 min Scan# 2655

Delta R.T. -0.04 min

Lab File: BF110178.D

Acq: 25 Oct 2018 23:24

Instrument :

BNA_F

ClientSampleId :

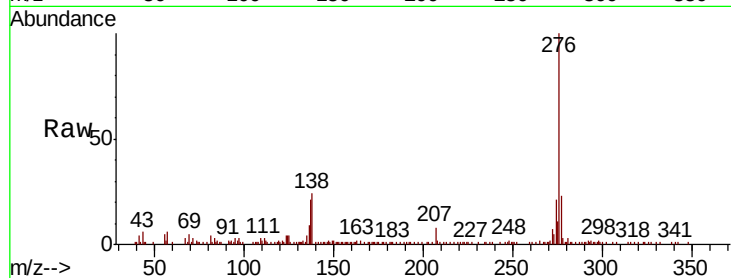
Tot Ion: 276 Resp: 119317

Ion Ratio Lower Upper

276 100

277 23.4 18.8 28.2

138 24.2 16.0 24.0#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

