

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110618\
 Data File : BF110536.D
 Acq On : 7 Nov 2018 00:49
 Operator : JU/SJ
 Sample : J5764-15 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 07 08:47:08 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 01 16:06:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	77489	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	286299	20.00	ng	0.00
39) Acenaphthene-d10	10.00	164	107434	20.00	ng	0.00
64) Phenanthrene-d10	11.49	188	189969	20.00	ng	0.00
76) Chrysene-d12	14.14	240	128763	20.00	ng	0.00
87) Perylene-d12	15.67	264	97019	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.57	112	77238	16.23	ng	0.00
7) Phenol-d6	6.57	99	100839	16.57	ng	0.00
23) Nitrobenzene-d5	7.52	82	53023	10.98	ng	0.00
42) 2,4,6-Tribromophenol	10.79	330	16003	15.04	ng	0.00
45) 2-Fluorobiphenyl	9.31	172	108299	15.83	ng	0.00
79) Terphenyl-d14	13.07	244	95550	15.43	ng	0.00

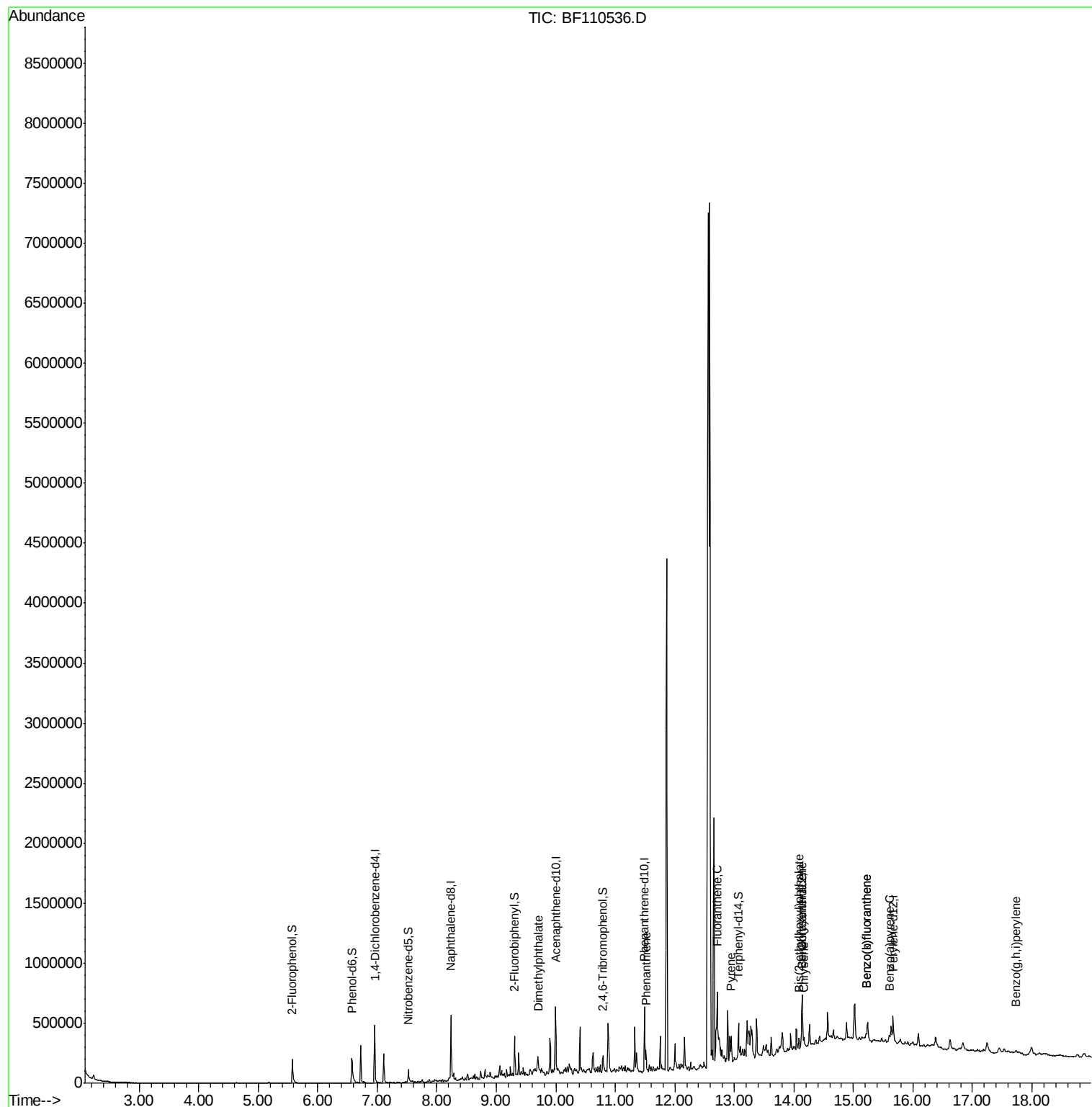
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.72	77	1722	Below Cal	#	83
50) Dimethylphthalate	9.70	163	16179	2.04	ng	98
71) Phenanthrene	11.52	178	57352	5.77	ng	99
75) Fluoranthene	12.71	202	81847	8.11	ng	95
77) Benzidine	12.80	184	335	Below Cal	#	1
78) Pyrene	12.95	202	74141	8.03	ng	98
81) Benzo(a)anthracene	14.13	228	31962	4.19	ng	92
83) Chrysene	14.17	228	29092	4.01	ng	93
84) Bis(2-ethylhexyl)phthalate	14.09	149	25874	4.78	ng	90
88) Benzo(b)fluoranthene	15.22	252	37932	6.77	ng	71
89) Benzo(k)fluoranthene	15.22	252	37932	6.89	ng	70
90) Benzo(a)pyrene	15.60	252	20630	4.00	ng	75
92) Benzo(a,h,i)perylene	17.73	276	12284	2.80	ng	85

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

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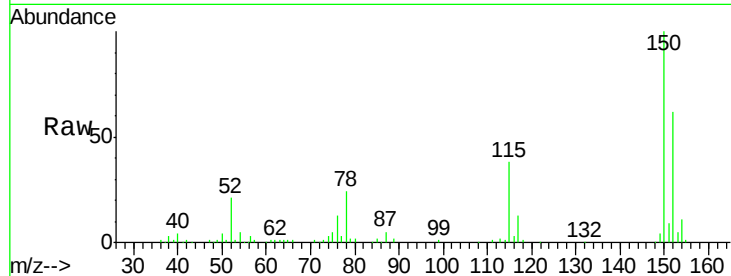


#1

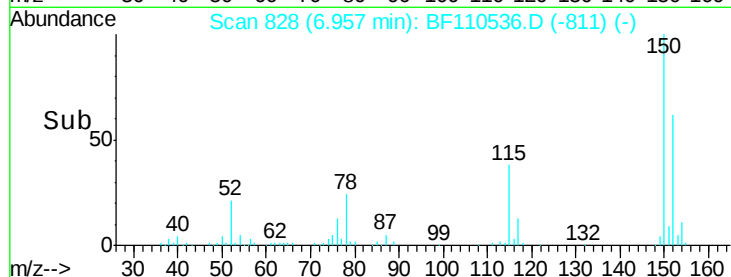
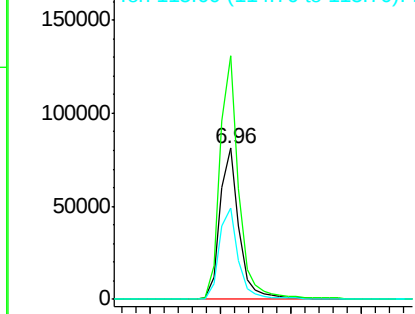
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.96 min Scan# 828
 Delta R.T. 0.00 min
 Lab File: BF110536.D
 Acq: 7 Nov 2018 00:49

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 77489
 Ion Ratio Lower Upper
 152 100
 150 161.2 122.7 184.1
 115 60.7 49.1 73.7



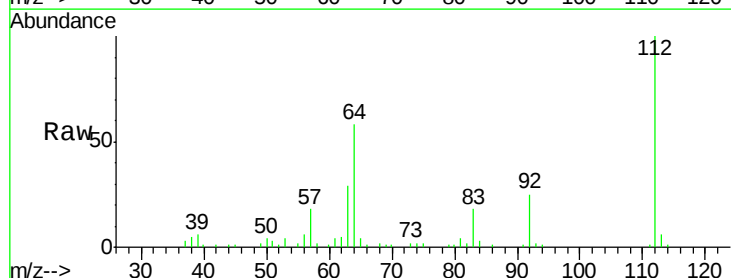
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



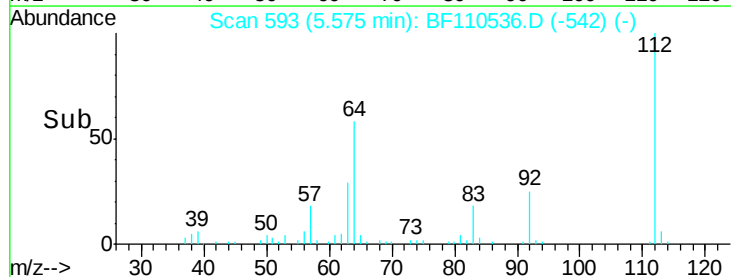
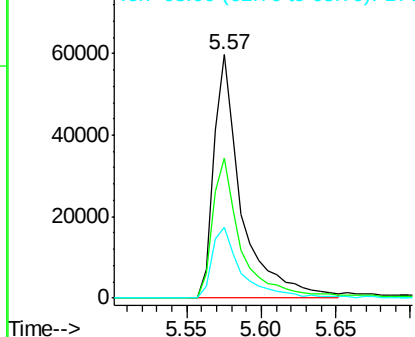
#5

2-Fluorophenol
 Concen: 16.23 ng
 RT: 5.57 min Scan# 593
 Delta R.T. 0.00 min
 Lab File: BF110536.D
 Acq: 7 Nov 2018 00:49

Tgt Ion:112 Resp: 77238
 Ion Ratio Lower Upper
 112 100
 64 57.5 44.1 66.1
 63 29.0 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BF1
 Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 16.57 ng

RT: 6.57 min Scan# 763

Delta R.T. -0.01 min

Lab File: BF110536.D

Acq: 7 Nov 2018 00:49

Instrument :

BNA_F

ClientSampleId :

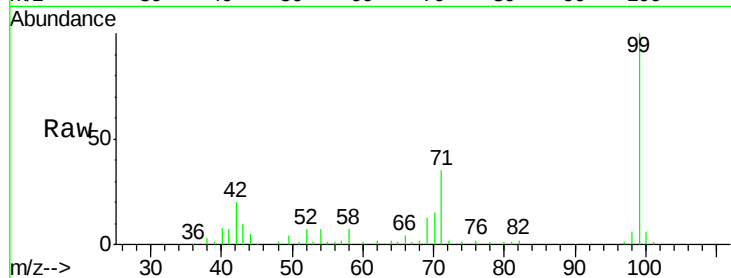
Tot Ion: 99 Resp: 100839

Ion Ratio Lower Upper

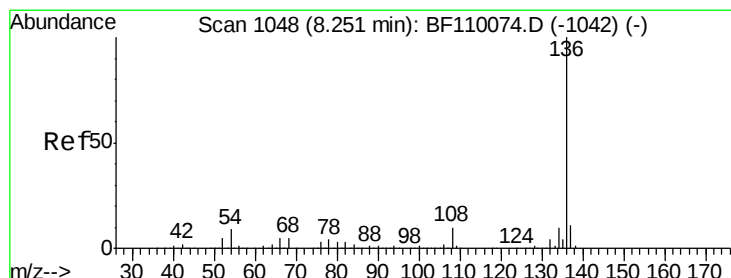
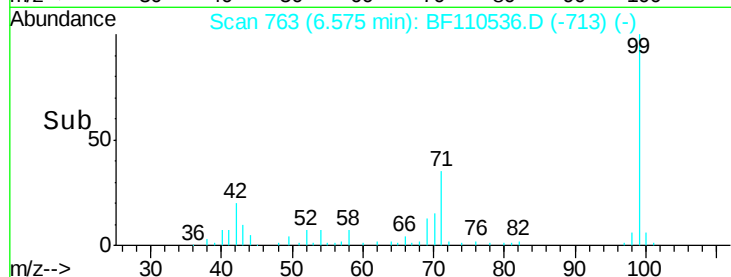
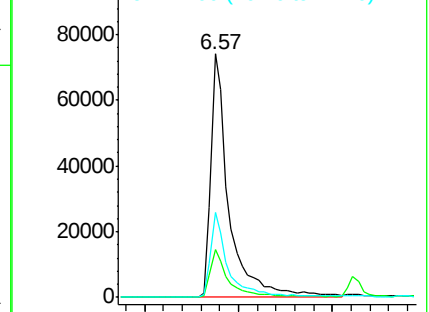
99 100

42 19.7 15.8 23.6

71 34.8 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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.24 min Scan# 1046

Delta R.T. 0.00 min

Lab File: BF110536.D

Acq: 7 Nov 2018 00:49

Tgt Ion: 136 Resp: 286299

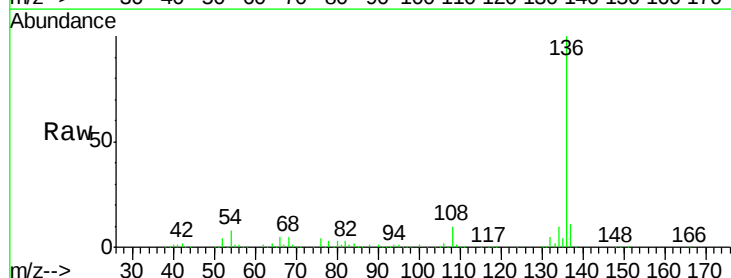
Ion Ratio Lower Upper

136 100

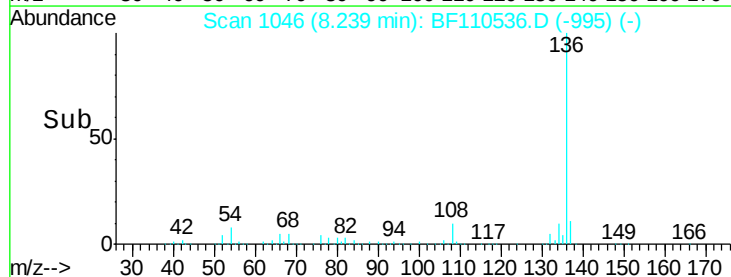
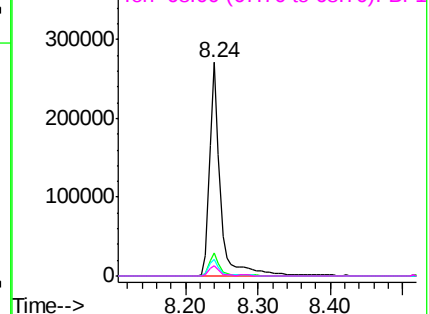
137 10.7 8.8 13.2

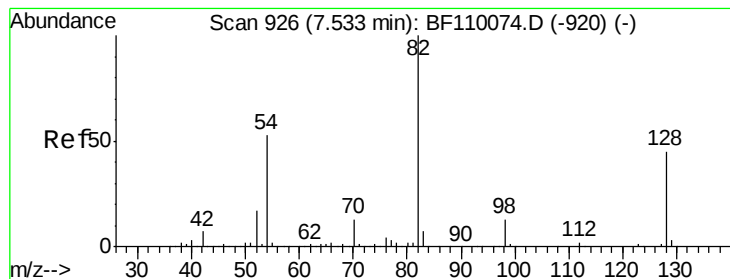
54 8.1 5.4 8.2

68 5.0 4.2 6.2



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





#23

Nitrobenzene-d5

Concen: 10.98 ng

RT: 7.52 min Scan# 924

Delta R.T. 0.00 min

Lab File: BF110536.D

Acq: 7 Nov 2018 00:49

Instrument :

BNA_F

ClientSampled :

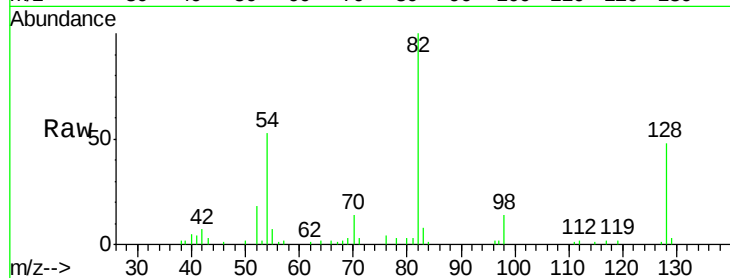
Tot Ion: 82 Resp: 53023

Ion Ratio Lower Upper

82 100

128 48.3 34.2 51.2

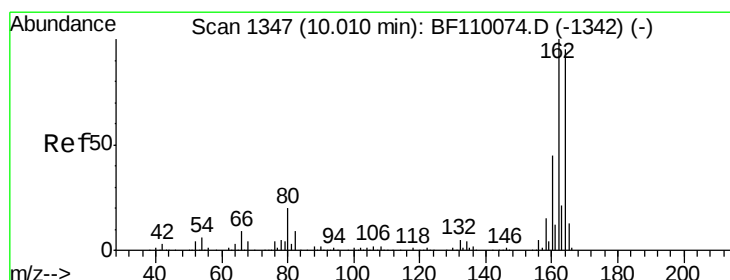
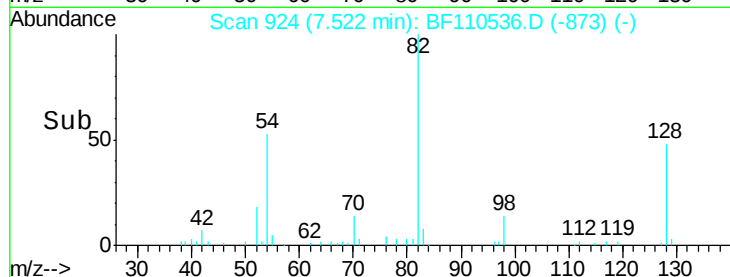
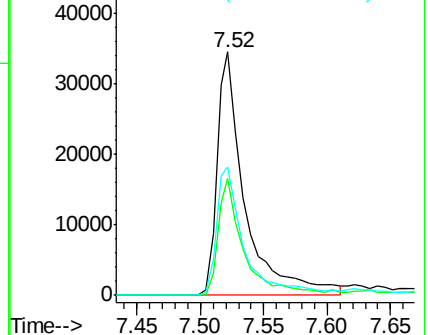
54 52.7 38.6 58.0



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



#39

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.00 min Scan# 1345

Delta R.T. 0.00 min

Lab File: BF110536.D

Acq: 7 Nov 2018 00:49

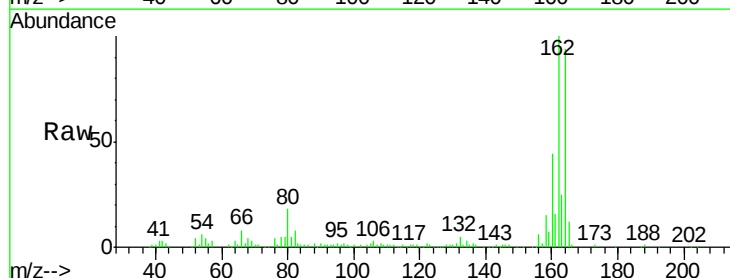
Tgt Ion:164 Resp: 107434

Ion Ratio Lower Upper

164 100

162 106.1 83.0 124.6

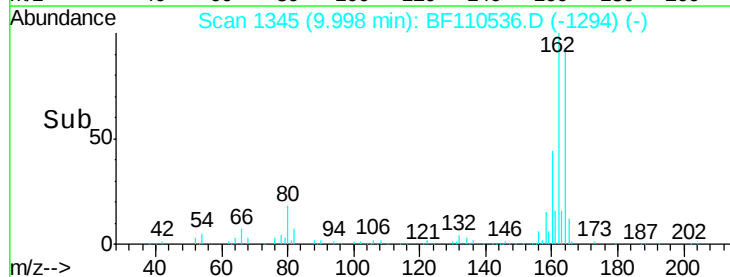
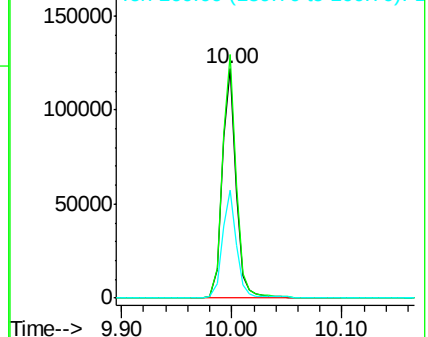
160 46.8 37.0 55.6

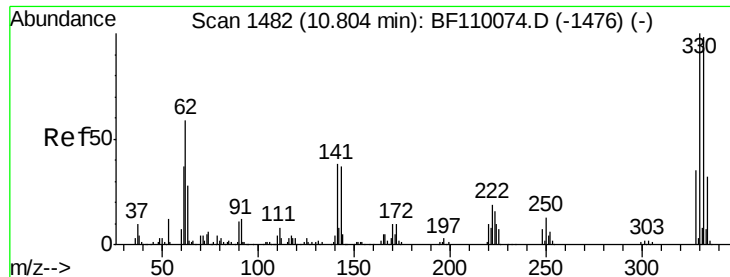


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

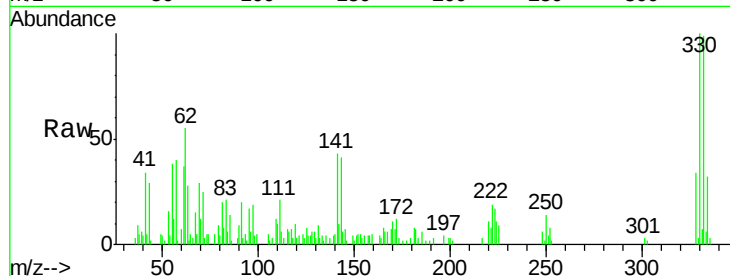




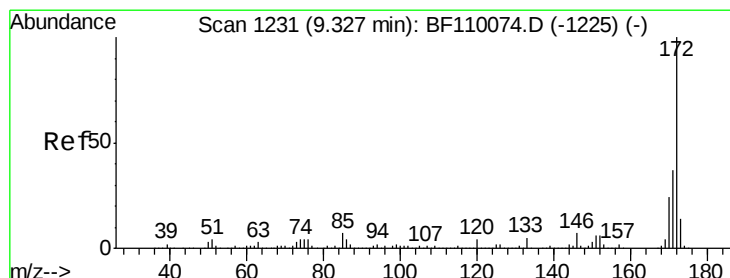
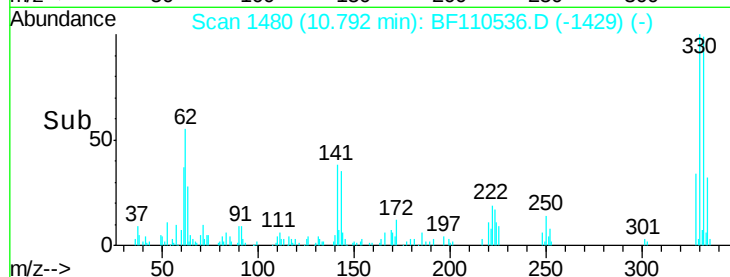
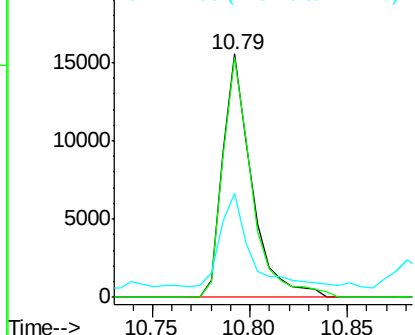
#42
 2,4,6-Tribromophenol
 Concen: 15.04 ng
 RT: 10.79 min Scan# 1480
 Delta R.T. 0.00 min
 Lab File: BF110536.D
 Acq: 7 Nov 2018 00:49

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 16003
 Ion Ratio Lower Upper
 330 100
 332 99.1 77.1 115.7
 141 40.1 27.0 40.4

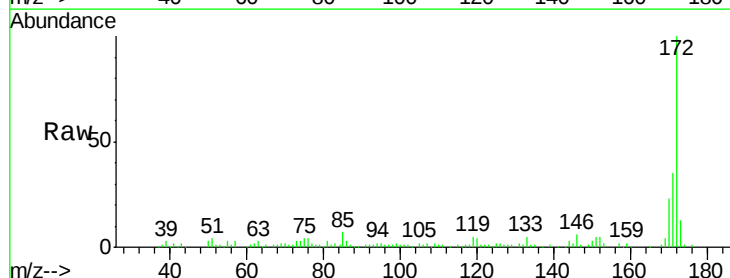


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

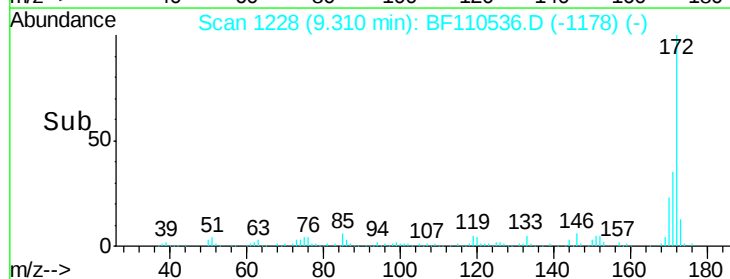
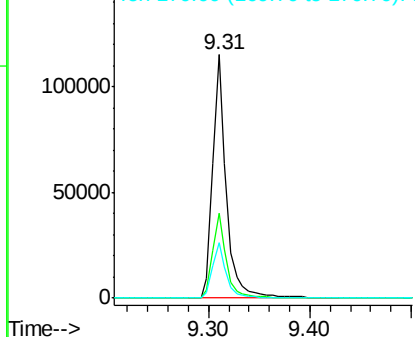


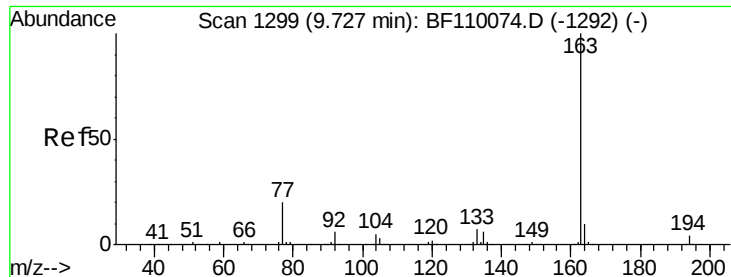
#45
 2-Fluorobiphenyl
 Concen: 15.83 ng
 RT: 9.31 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: BF110536.D
 Acq: 7 Nov 2018 00:49

Tgt Ion:172 Resp: 108299
 Ion Ratio Lower Upper
 172 100
 171 34.7 28.6 43.0
 170 22.8 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

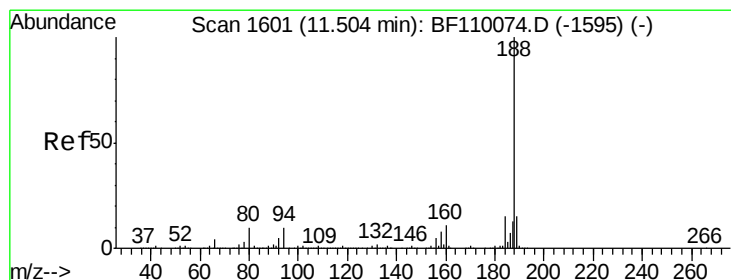
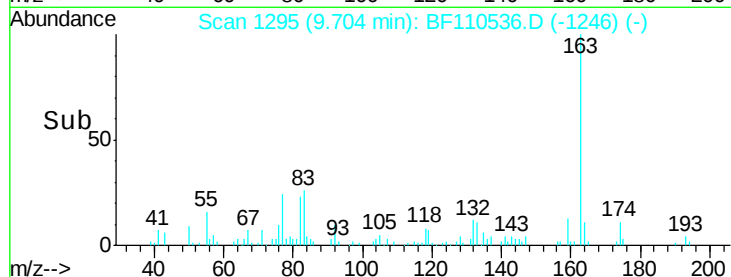
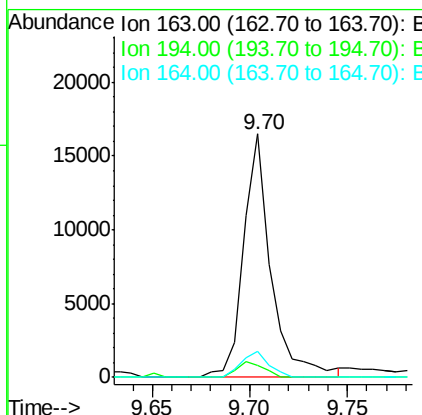
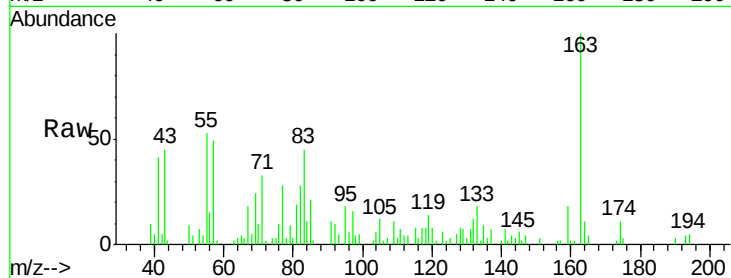




#50
Dimethylphthalate
Concen: 2.04 ng
RT: 9.70 min Scan# 1295
Delta R.T. -0.01 min
Lab File: BF110536.D
Acq: 7 Nov 2018 00:49

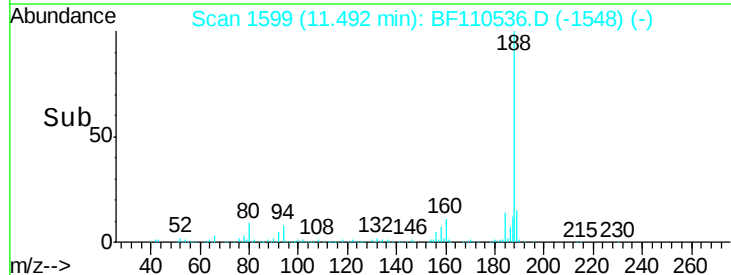
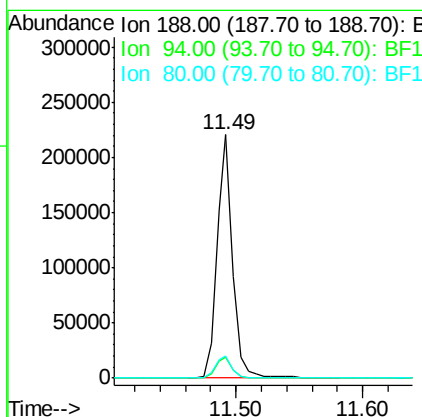
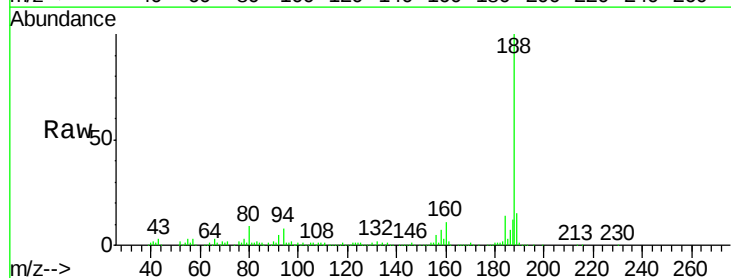
Instrument :
BNA_F
ClientSampleId :

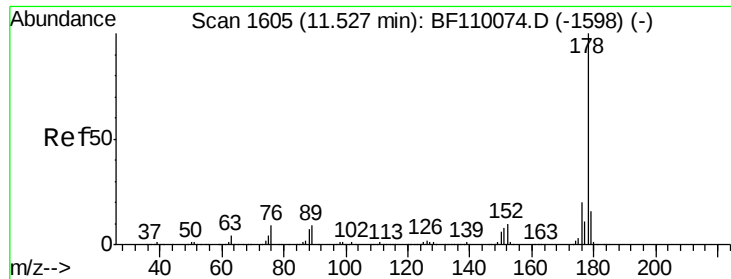
Tot Ion:163 Resp: 16179
Ion Ratio Lower Upper
163 100
194 4.9 3.2 4.8#
164 10.6 8.1 12.1



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.49 min Scan# 1599
Delta R.T. 0.00 min
Lab File: BF110536.D
Acq: 7 Nov 2018 00:49

Tgt Ion:188 Resp: 189969
Ion Ratio Lower Upper
188 100
94 8.4 7.2 10.8
80 9.0 7.9 11.9

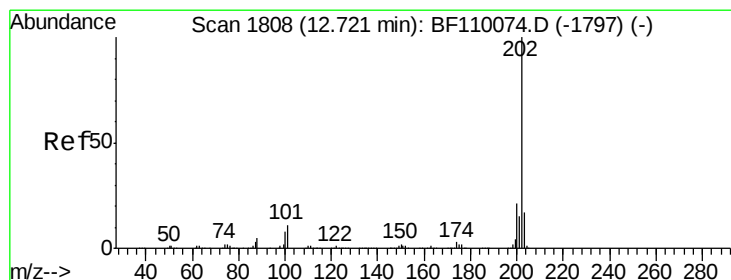
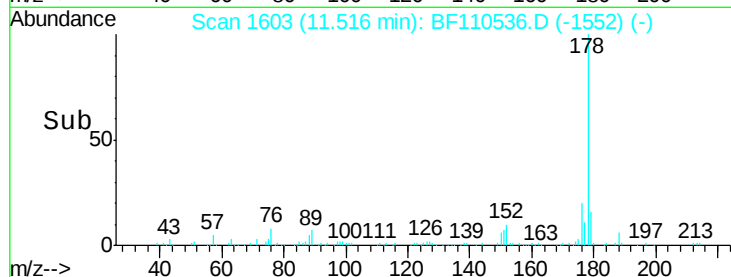
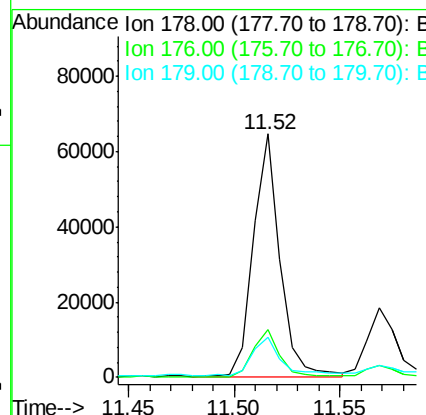
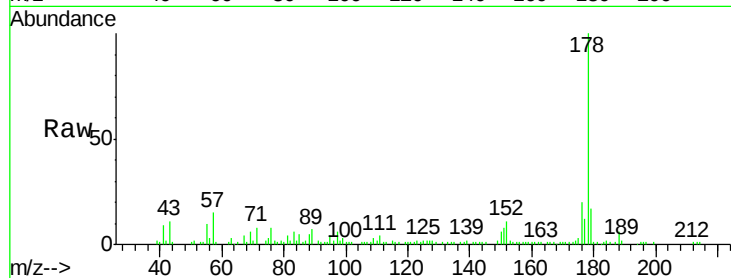




#71
Phenanthrene
Concen: 5.77 ng
RT: 11.52 min Scan# 1603
Delta R.T. 0.00 min
Lab File: BF110536.D
Acq: 7 Nov 2018 00:49

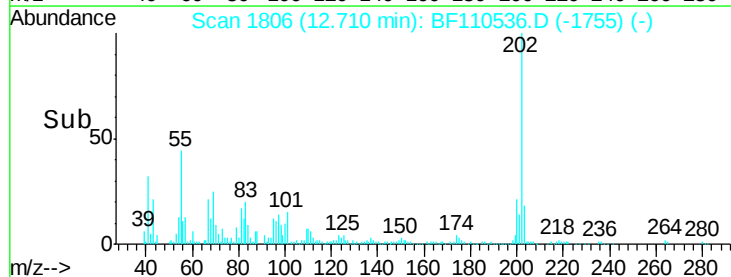
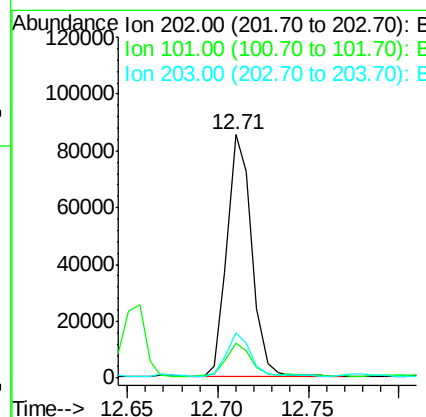
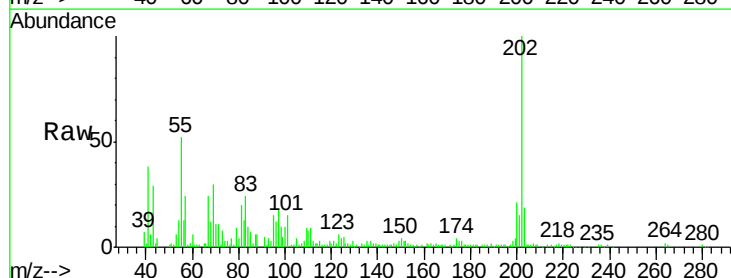
Instrument :
BNA_F
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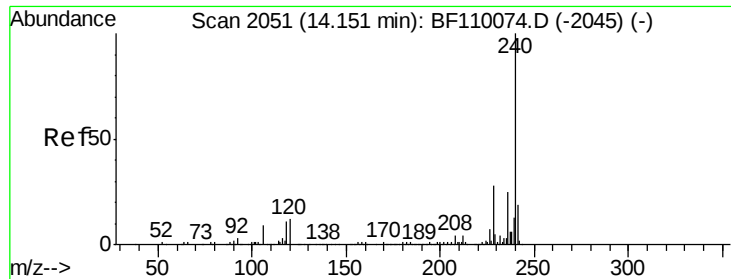
Tot Ion:178 Resp: 57352
Ion Ratio Lower Upper
178 100
176 19.7 15.5 23.3
179 16.7 12.5 18.7



#75
Fluoranthene
Concen: 8.11 ng
RT: 12.71 min Scan# 1806
Delta R.T. 0.00 min
Lab File: BF110536.D
Acq: 7 Nov 2018 00:49

Tgt Ion:202 Resp: 81847
Ion Ratio Lower Upper
202 100
101 14.6 0.0 31.4
203 18.6 0.0 37.7

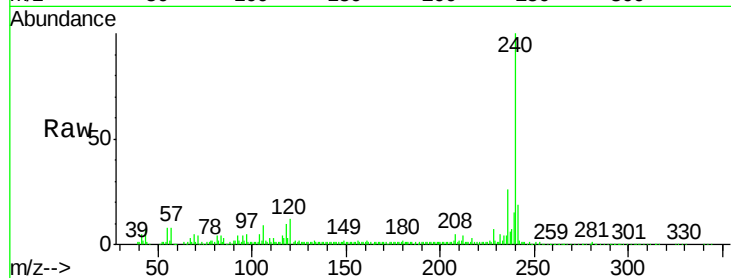




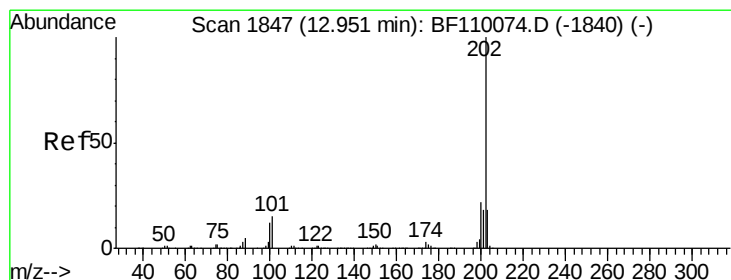
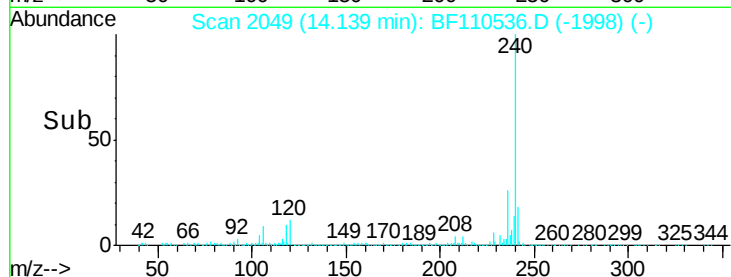
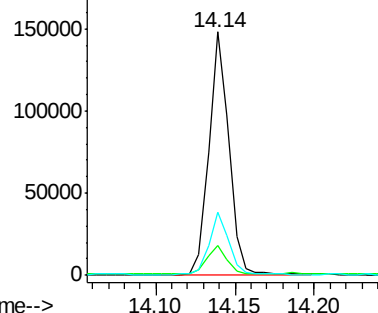
#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.14 min Scan# 2049
Delta R.T. 0.00 min
Lab File: BF110536.D
Acq: 7 Nov 2018 00:49

Instrument :
BNA_F
ClientSampleId :

Tot Ion:240 Resp: 128763
Ion Ratio Lower Upper
240 100
120 12.2 8.3 12.5
236 25.7 21.2 31.8

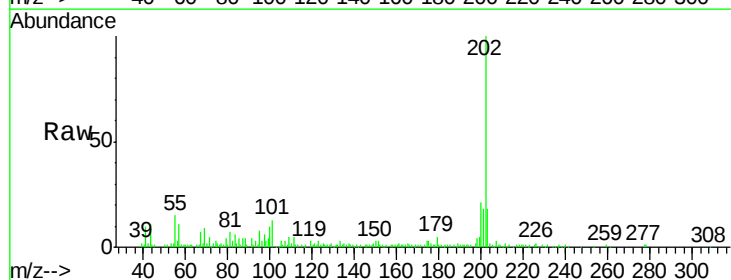


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

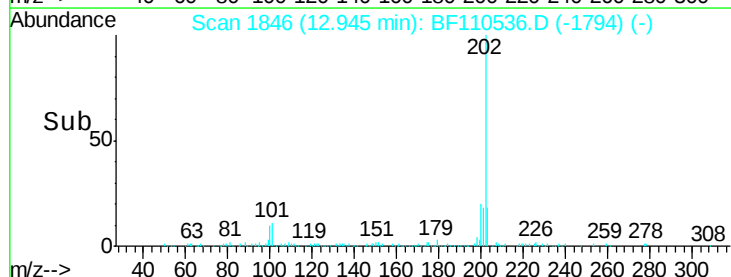
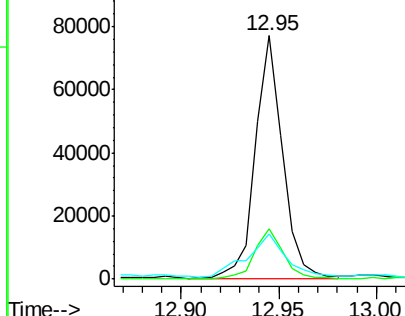


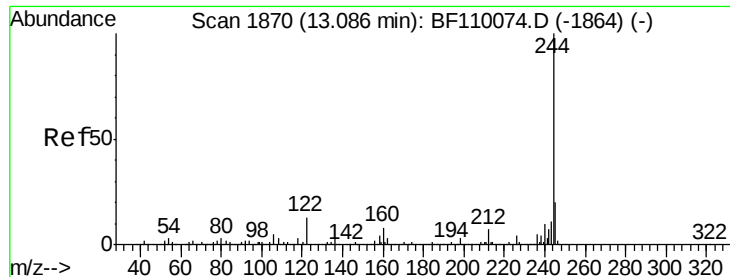
#78
Pyrene
Concen: 8.03 ng
RT: 12.95 min Scan# 1846
Delta R.T. 0.01 min
Lab File: BF110536.D
Acq: 7 Nov 2018 00:49

Tgt Ion:202 Resp: 74141
Ion Ratio Lower Upper
202 100
200 20.7 17.8 26.6
203 18.4 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: 15.43 ng

RT: 13.07 min Scan# 1868

Delta R.T. 0.00 min

Lab File: BF110536.D

Acq: 7 Nov 2018 00:49

Instrument :

BNA_F

ClientSampleId :

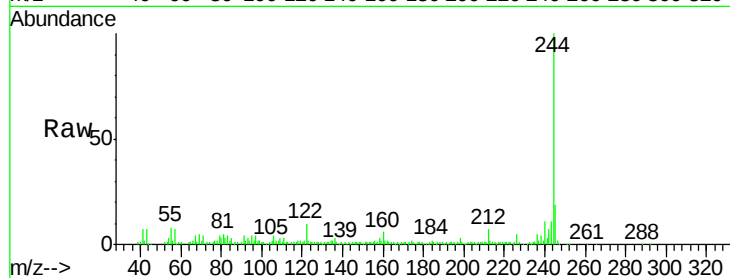
Tot Ion:244 Resp: 95550

Ion Ratio Lower Upper

244 100

212 6.6 5.8 8.8

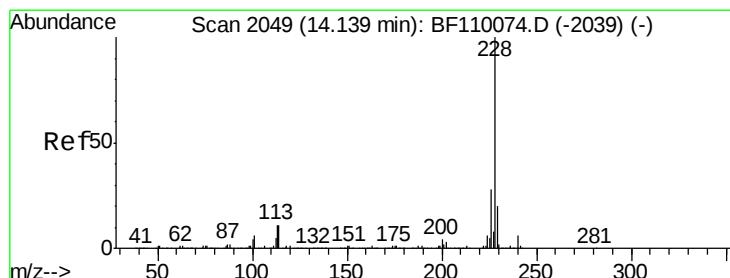
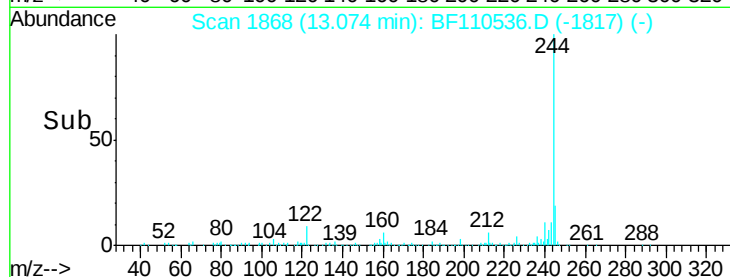
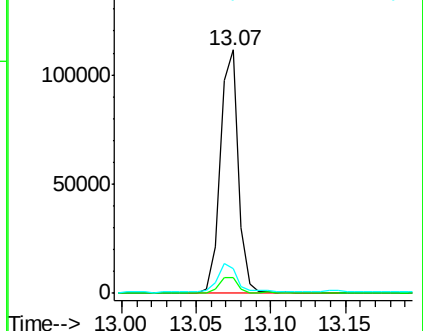
122 10.0 8.7 13.1



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: 4.19 ng

RT: 14.13 min Scan# 2047

Delta R.T. 0.00 min

Lab File: BF110536.D

Acq: 7 Nov 2018 00:49

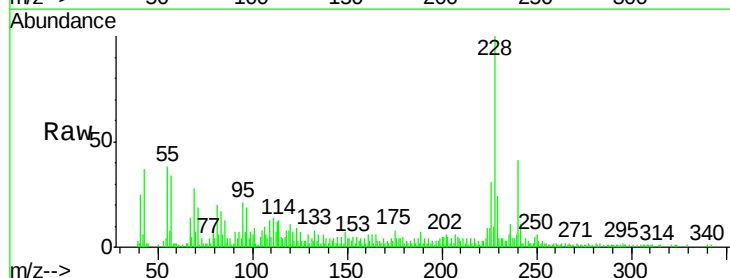
Tgt Ion:228 Resp: 31962

Ion Ratio Lower Upper

228 100

226 30.6 22.1 33.1

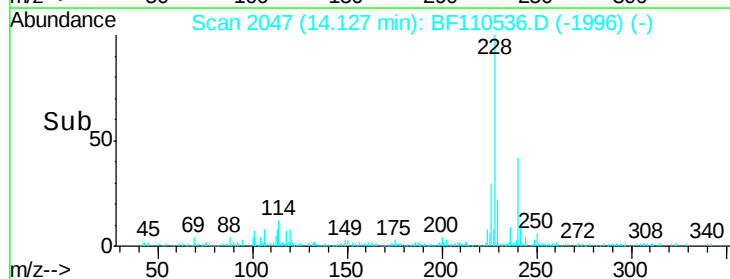
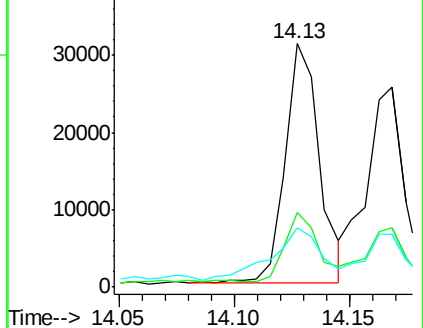
229 24.2 15.6 23.4#

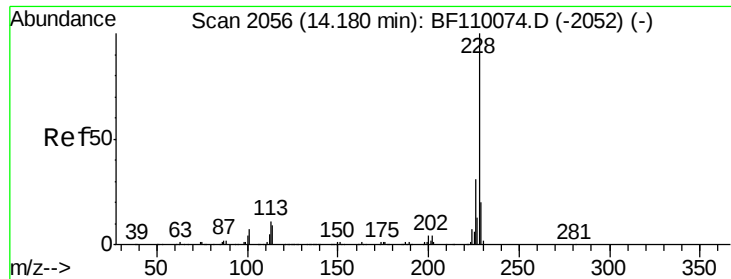


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

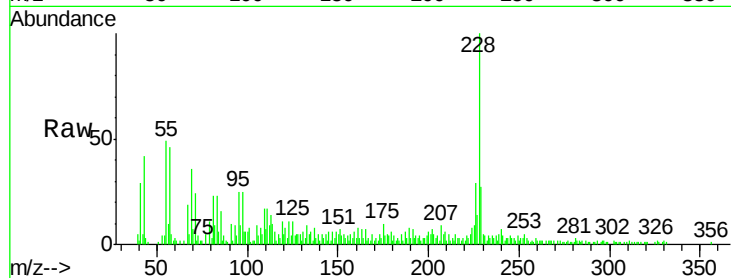




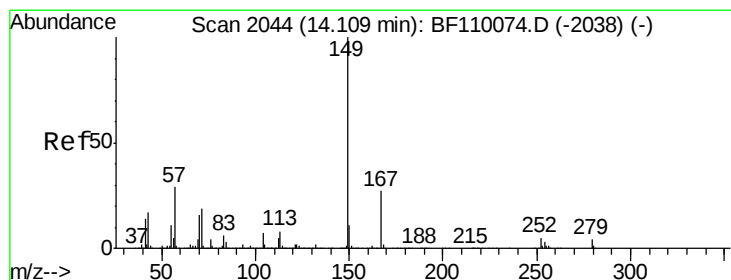
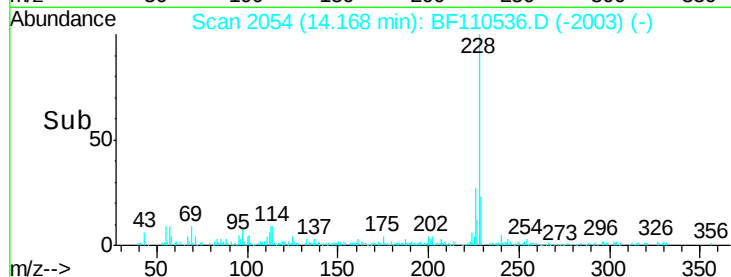
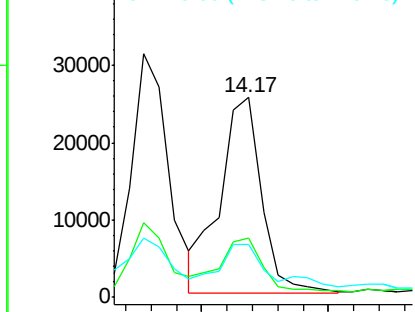
#83
Chrysene
Concen: 4.01 ng
RT: 14.17 min Scan# 2054
Delta R.T. 0.00 min
Lab File: BF110536.D
Acq: 7 Nov 2018 00:49

Instrument :
BNA_F
ClientSampleId :

Tot Ion:228 Resp: 29092
Ion Ratio Lower Upper
228 100
226 29.4 24.7 37.1
229 26.6 15.9 23.9#

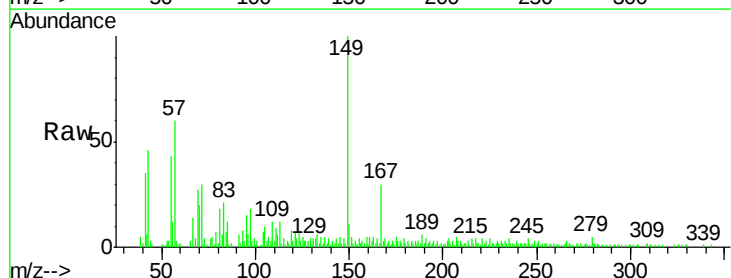


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

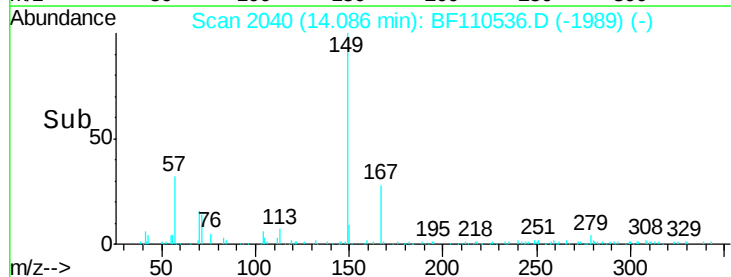
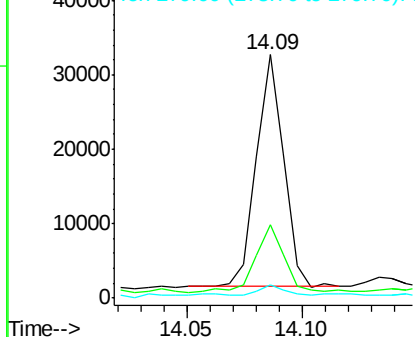


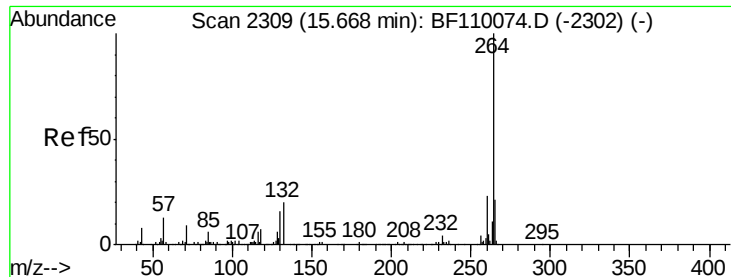
#84
Bis(2-ethylhexyl)phthalate
Concen: 4.78 ng
RT: 14.09 min Scan# 2040
Delta R.T. 0.00 min
Lab File: BF110536.D
Acq: 7 Nov 2018 00:49

Tgt Ion:149 Resp: 25874
Ion Ratio Lower Upper
149 100
167 30.3 19.8 29.8#
279 5.2 2.7 4.1#



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E

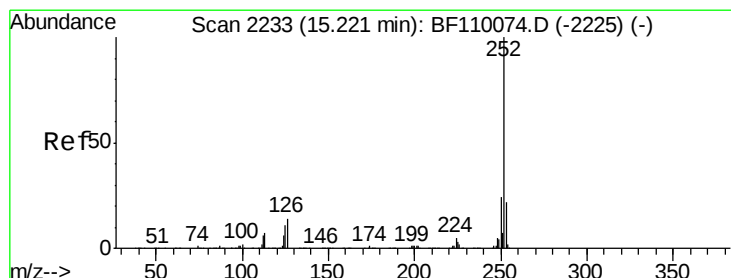
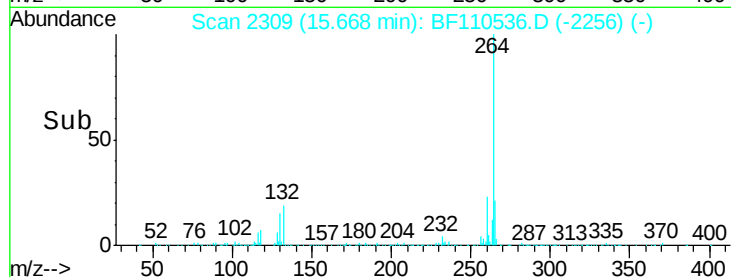
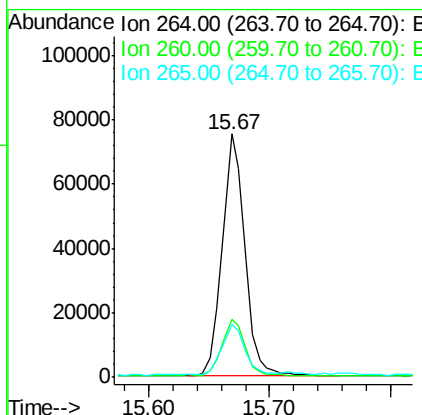
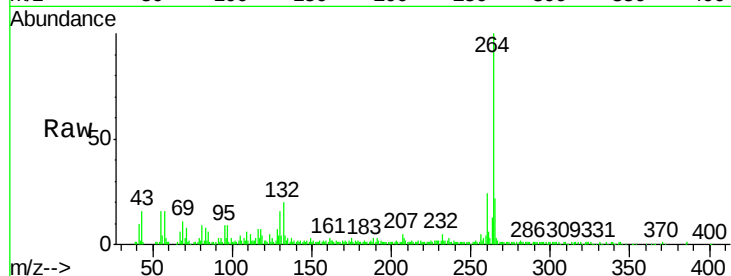




#87
Pervlene-d12
Concen: 20.00 ng
RT: 15.67 min Scan# 2309
Delta R.T. 0.01 min
Lab File: BF110536.D
Acq: 7 Nov 2018 00:49

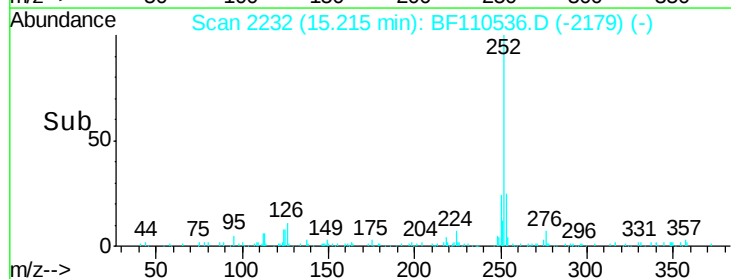
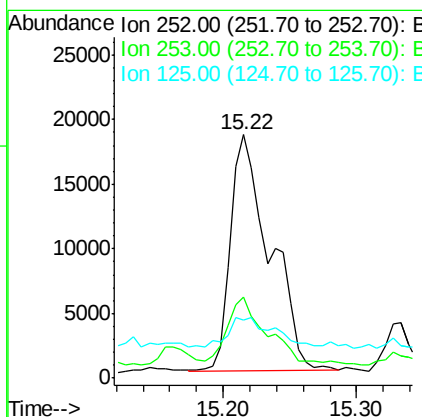
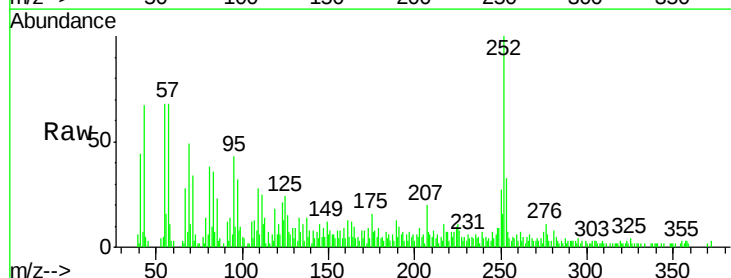
Instrument :
BNA_F
ClientSampleId :

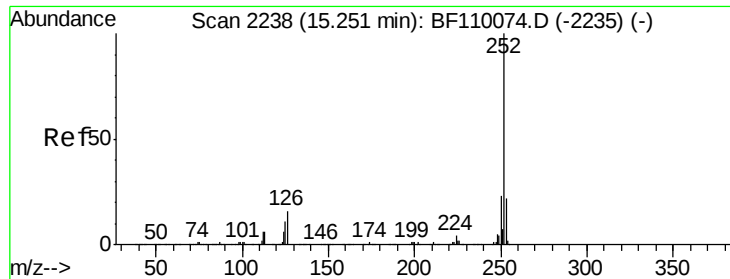
Tot Ion:264 Resp: 97019
Ion Ratio Lower Upper
264 100
260 23.9 18.7 28.1
265 21.9 16.7 25.1



#88
Benzo(b)fluoranthene
Concen: 6.77 ng
RT: 15.22 min Scan# 2232
Delta R.T. 0.01 min
Lab File: BF110536.D
Acq: 7 Nov 2018 00:49

Tgt Ion:252 Resp: 37932
Ion Ratio Lower Upper
252 100
253 33.4 17.2 25.8#
125 23.9 8.2 12.4#

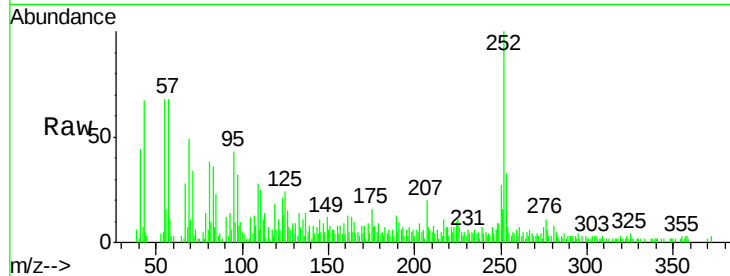




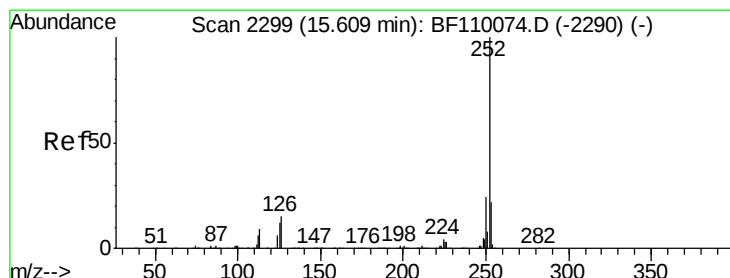
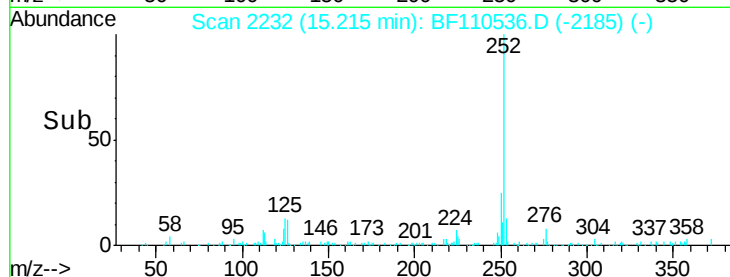
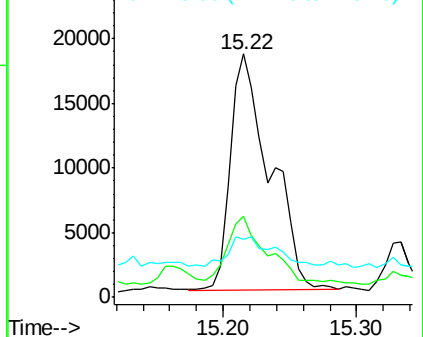
#89
Benzo(k)fluoranthene
Concen: 6.89 ng
RT: 15.22 min Scan# 2232
Delta R.T. -0.02 min
Lab File: BF110536.D
Acq: 7 Nov 2018 00:49

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 37932
Ion Ratio Lower Upper
252 100
253 33.4 17.2 25.8#
125 23.9 7.4 11.0#

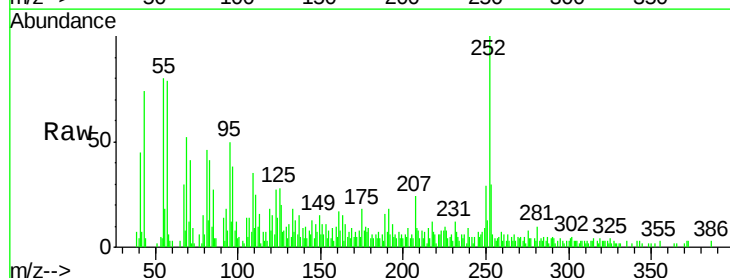


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

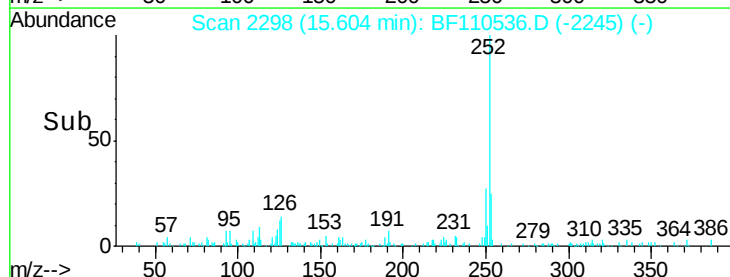
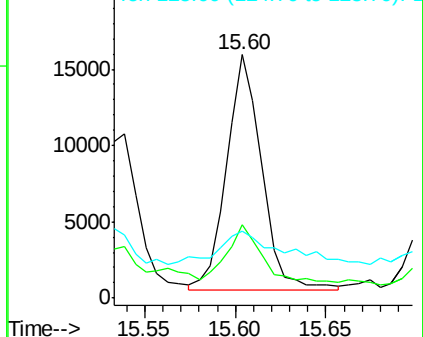


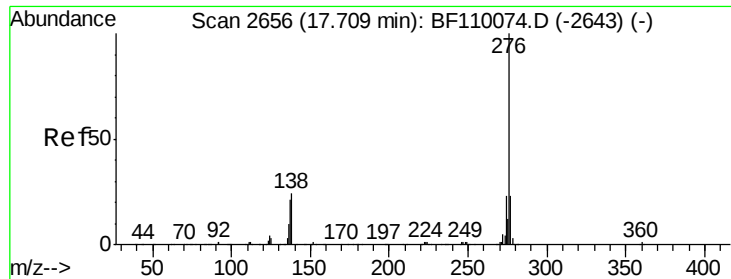
#90
Benzo(a)pyrene
Concen: 4.00 ng
RT: 15.60 min Scan# 2298
Delta R.T. 0.01 min
Lab File: BF110536.D
Acq: 7 Nov 2018 00:49

Tgt Ion:252 Resp: 20630
Ion Ratio Lower Upper
252 100
253 30.4 18.2 27.4#
125 27.7 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





#92

Benzo(a,h,i)perylene

Concen: 2.80 ng

RT: 17.73 min Scan# 2659

Delta R.T. 0.02 min

Lab File: BF110536.D

Acq: 7 Nov 2018 00:49

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 276 Resp: 12284

Ion Ratio Lower Upper

276 100

277 26.1 18.8 28.2

138 32.2 16.0 24.0

