

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF112018\
 Data File : BF110901.D
 Acq On : 20 Nov 2018 18:23
 Operator : JU/SJ
 Sample : J5763-01 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-06-111918-A

Quant Time: Nov 21 04:21:33 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	69719	20.00	ng	0.00
21) Naphthalene-d8	8.22	136	287435	20.00	ng	0.00
39) Acenaphthene-d10	9.98	164	124083	20.00	ng	-0.01
64) Phenanthrene-d10	11.48	188	189272	20.00	ng	0.00
76) Chrysene-d12	14.13	240	164837	20.00	ng	0.00
87) Perylene-d12	15.67	264	107904	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.56	112	194529	45.32	ng	0.00
7) Phenol-d6	6.56	99	245645	44.75	ng	-0.01
23) Nitrobenzene-d5	7.50	82	151944	30.44	ng	-0.01
42) 2,4,6-Tribromophenol	10.78	330	43276	34.61	ng	0.00
45) 2-Fluorobiphenyl	9.29	172	266224	30.64	ng	-0.01
79) Terphenyl-d14	13.06	244	203949	23.17	ng	0.00

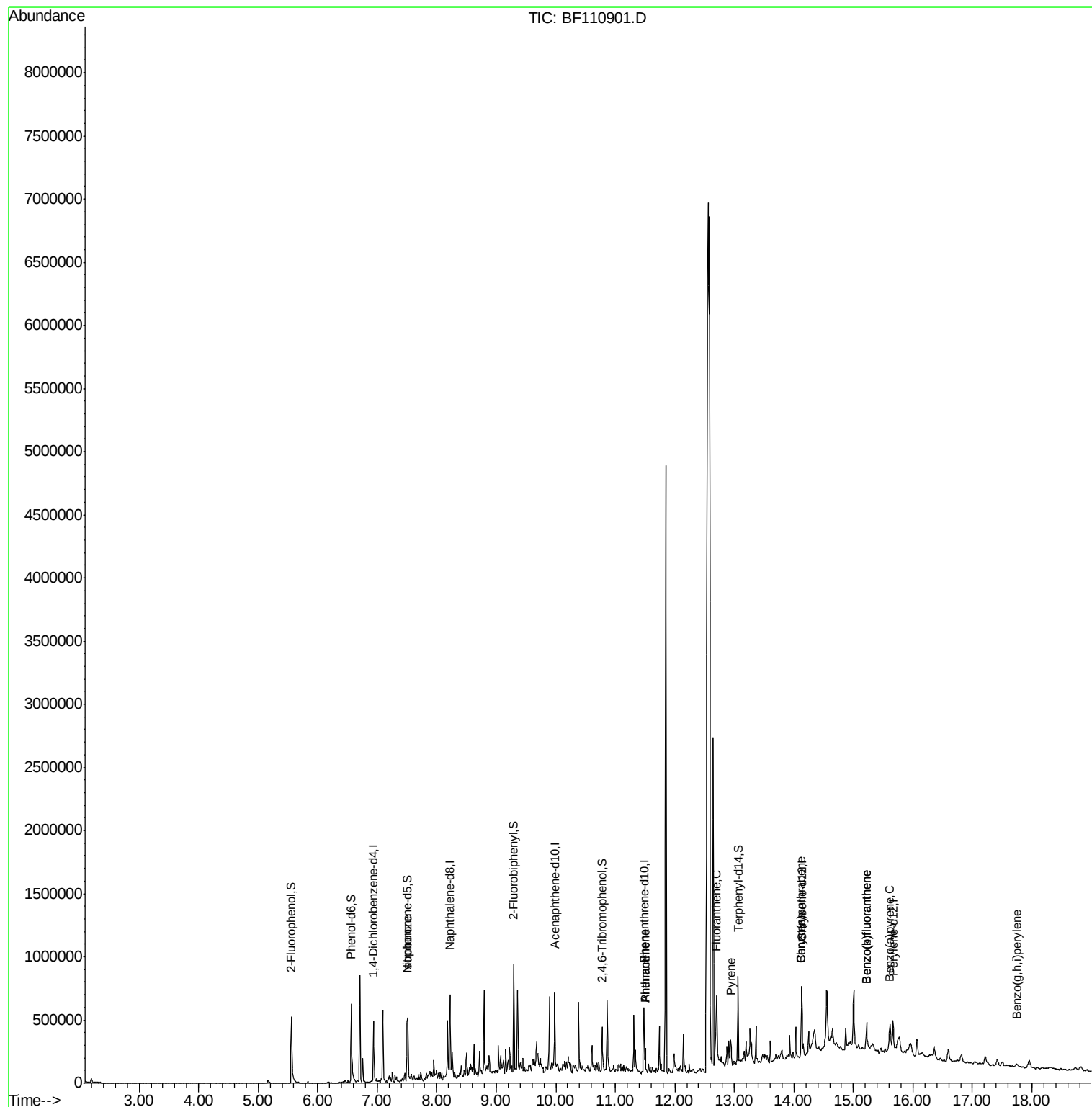
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.53	77	396	Below Cal		# 1
25) Isophorone	7.50	82	149780	18.310	ng	# 67
71) Phenanthrene	11.50	178	65864	6.495	ng	99
72) Anthracene	11.50	178	65864	6.439	ng	99
75) Fluoranthene	12.70	202	95634	9.407	ng	100
78) Pyrene	12.94	202	87482	6.893	ng	98
81) Benzo(a)anthracene	14.12	228	40564	4.117	ng	97
83) Chrysene	14.12	228	40564	4.322	ng	95
88) Benzo(b)fluoranthene	15.21	252	41835	6.481	ng	# 81
89) Benzo(k)fluoranthene	15.21	252	41835	6.559	ng	# 80
90) Benzo(a)pyrene	15.60	252	21874	3.730	ng	# 85
92) Benzo(g,h,i)perylene	17.74	276	13811	2.805	ng	# 84

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

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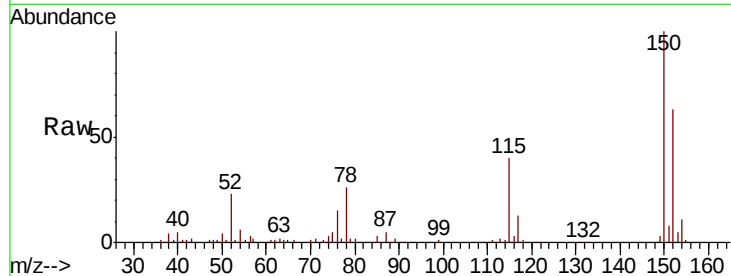




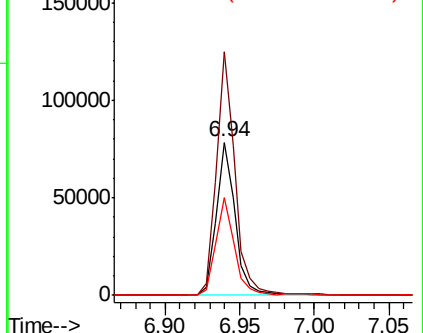
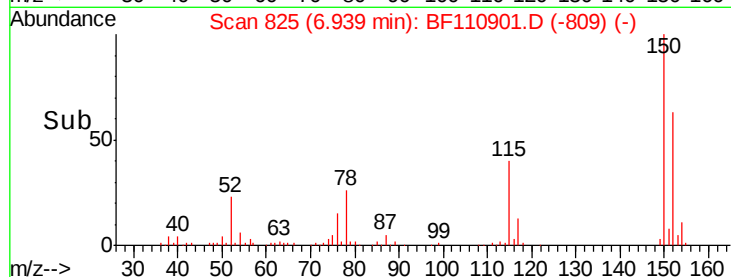
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.94 min Scan# 825
 Delta R.T. -0.01 min
 Lab File: BF110901.D
 Acq: 20 Nov 2018 18:23

Instrument :
 BNA_F
 ClientSampleId :
 HR-06-111918-A

Tgt Ion:152 Resp: 69719
 Ion Ratio Lower Upper
 152 100
 150 158.9 122.7 184.1
 115 63.9 49.1 73.7

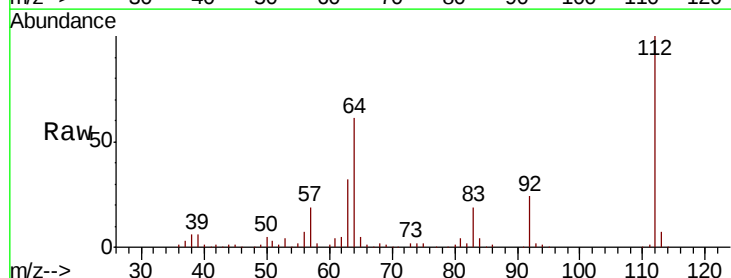


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

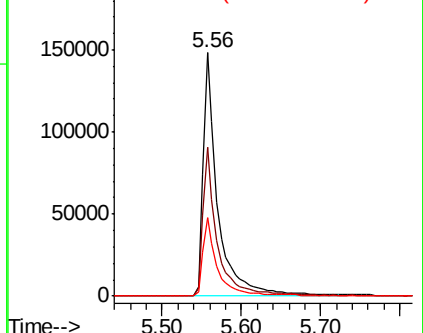
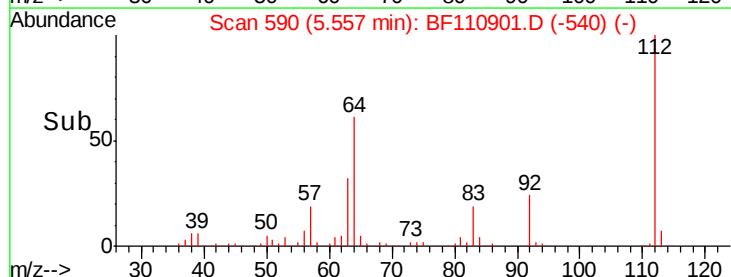


#5
 2-Fluorophenol
 Concen: 45.321 ng
 RT: 5.56 min Scan# 590
 Delta R.T. -0.01 min
 Lab File: BF110901.D
 Acq: 20 Nov 2018 18:23

Tgt Ion:112 Resp: 194529
 Ion Ratio Lower Upper
 112 100
 64 60.9 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: 44.755 ng

RT: 6.56 min Scan# 761

Delta R.T. -0.01 min

Lab File: BF110901.D

Acq: 20 Nov 2018 18:23

Instrument :

BNA_F

ClientSampleId :

HR-06-111918-A

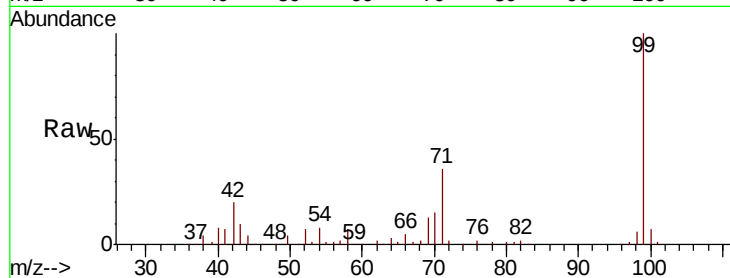
Tgt Ion: 99 Resp: 245645

Ion Ratio Lower Upper

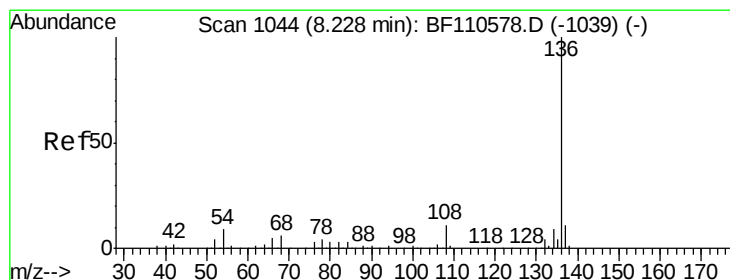
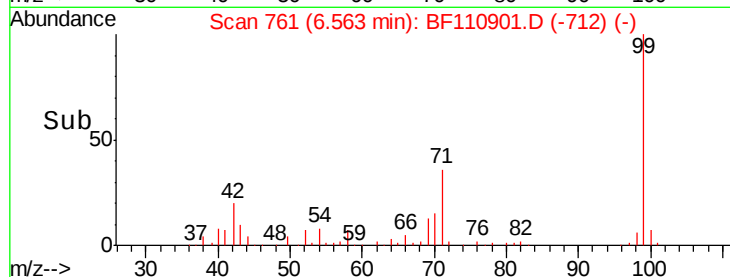
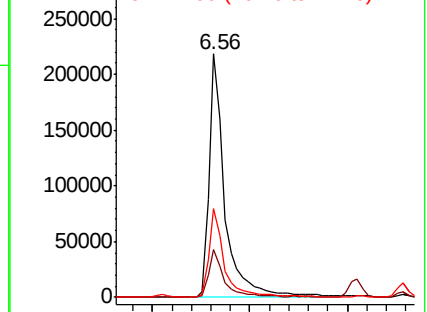
99 100

42 19.7 15.8 23.6

71 36.3 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: 20.000 ng

RT: 8.22 min Scan# 1043

Delta R.T. -0.01 min

Lab File: BF110901.D

Acq: 20 Nov 2018 18:23

Tgt Ion: 136 Resp: 287435

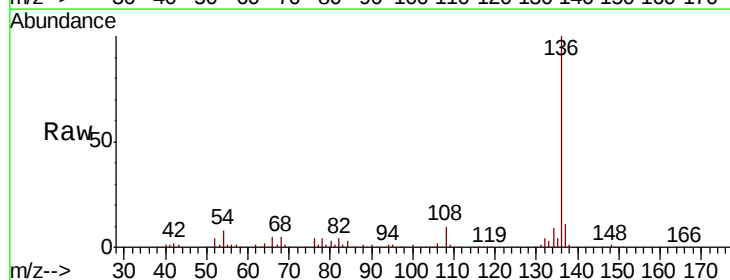
Ion Ratio Lower Upper

136 100

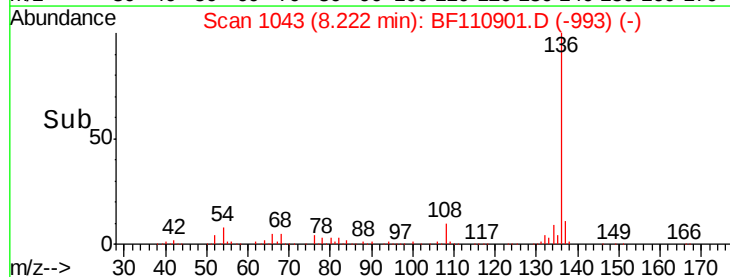
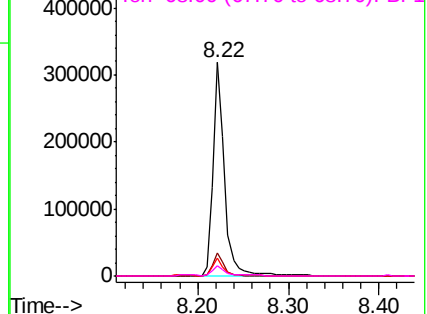
137 11.0 8.8 13.2

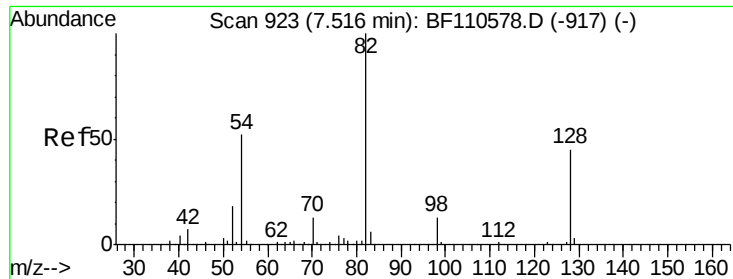
54 8.2 5.4 8.2

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

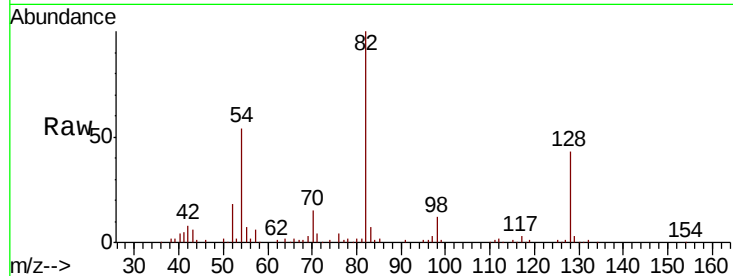




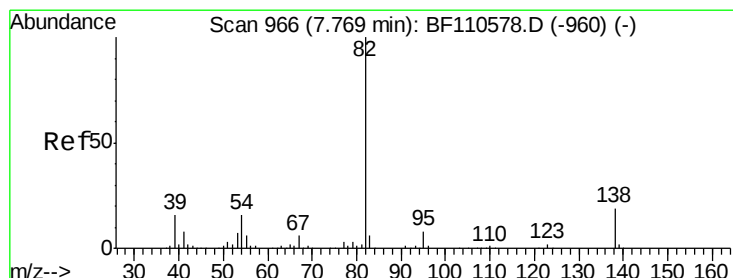
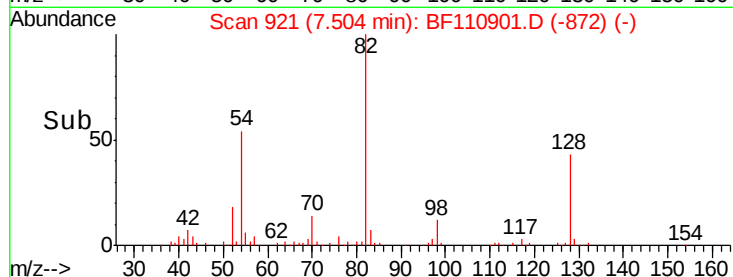
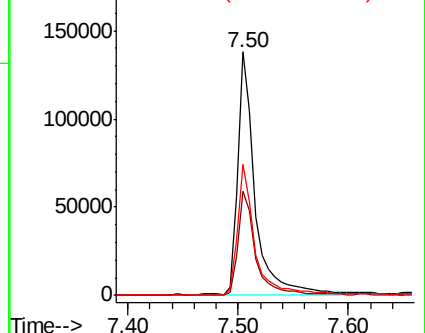
#23
Nitrobenzene-d5
Concen: 30.443 ng
RT: 7.50 min Scan# 921
Delta R.T. -0.01 min
Lab File: BF110901.D
Acq: 20 Nov 2018 18:23

Instrument :
BNA_F
ClientSampleId :
HR-06-111918-A

Tgt Ion: 82 Resp: 151944
Ion Ratio Lower Upper
82 100
128 42.6 34.2 51.2
54 54.0 38.6 58.0

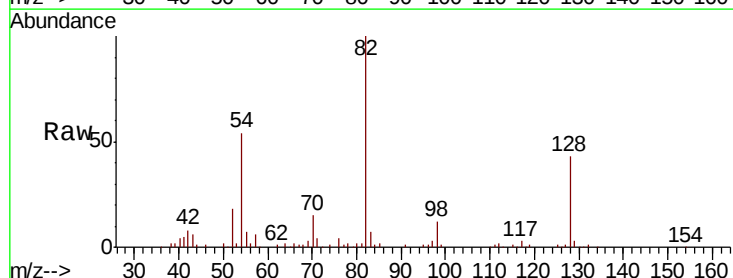


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

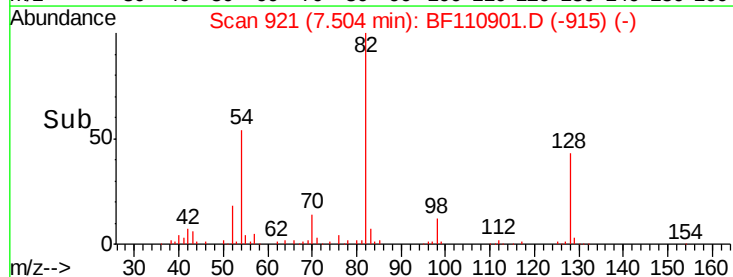
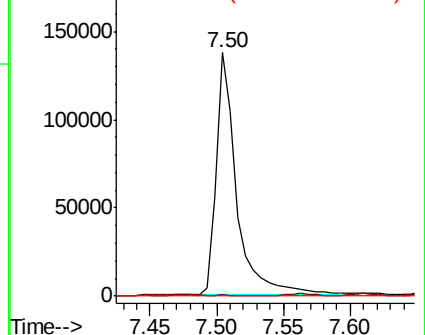


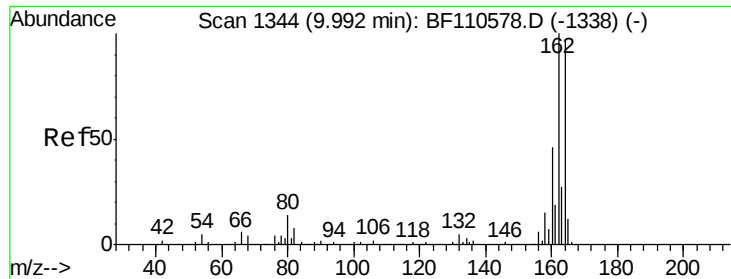
#25
Isophorone
Concen: 18.310 ng
RT: 7.50 min Scan# 921
Delta R.T. -0.26 min
Lab File: BF110901.D
Acq: 20 Nov 2018 18:23

Tgt Ion: 82 Resp: 149780
Ion Ratio Lower Upper
82 100
95 0.6 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

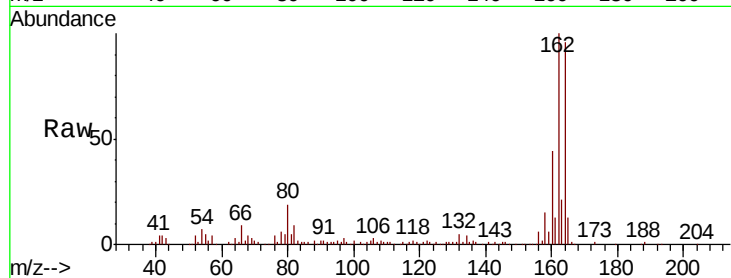




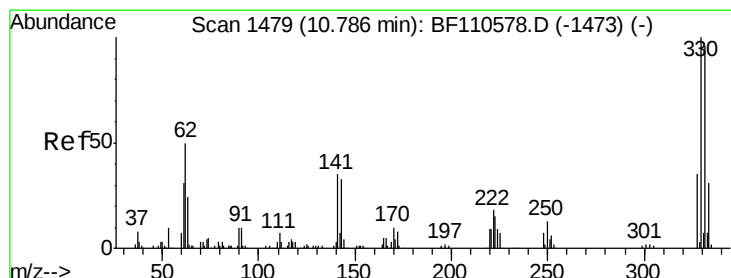
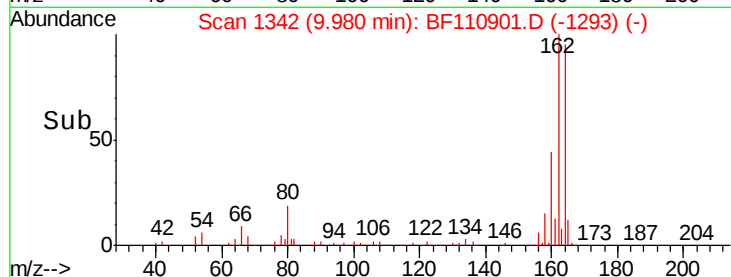
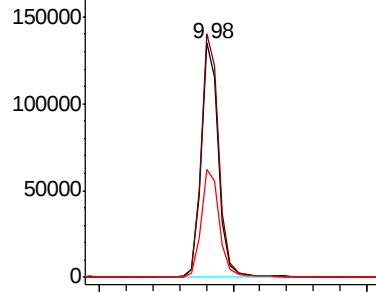
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.98 min Scan# 1342
Delta R.T. -0.01 min
Lab File: BF110901.D
Acq: 20 Nov 2018 18:23

Instrument :
BNA_F
ClientSampleId :
HR-06-111918-A

Tgt Ion:164 Resp: 124083
Ion Ratio Lower Upper
164 100
162 103.8 83.0 124.6
160 46.0 37.0 55.6

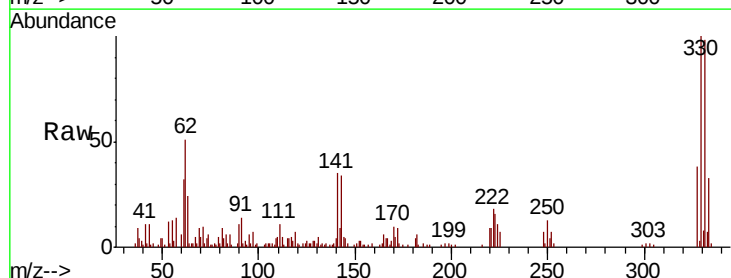


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

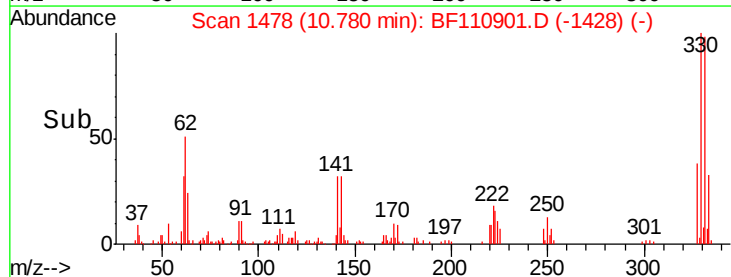
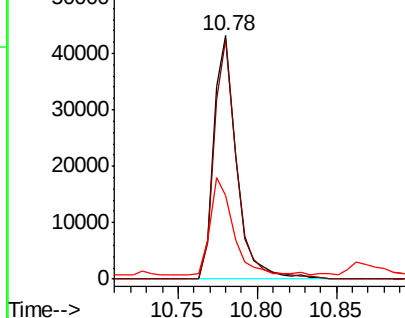


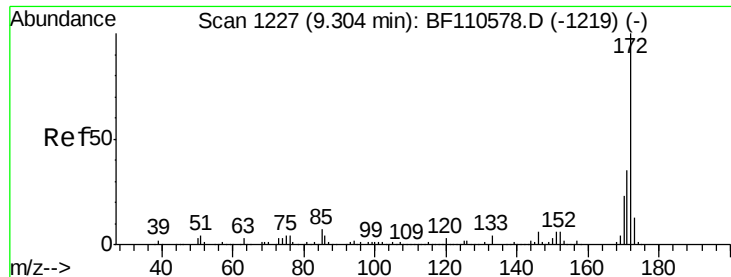
#42
2,4,6-Tribromophenol
Concen: 34.613 ng
RT: 10.78 min Scan# 1478
Delta R.T. -0.01 min
Lab File: BF110901.D
Acq: 20 Nov 2018 18:23

Tgt Ion:330 Resp: 43276
Ion Ratio Lower Upper
330 100
332 96.6 77.1 115.7
141 40.2 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

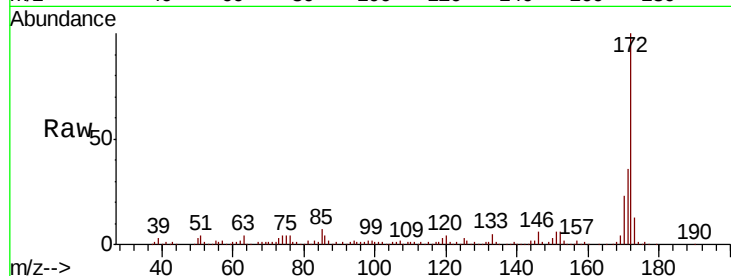




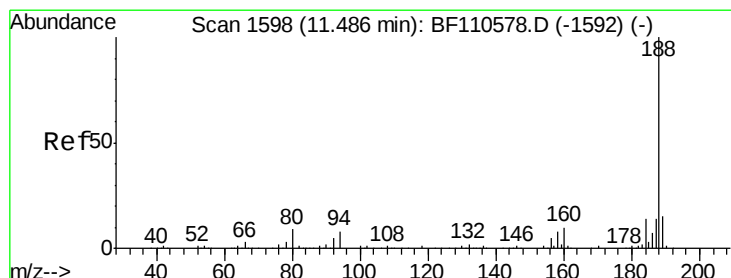
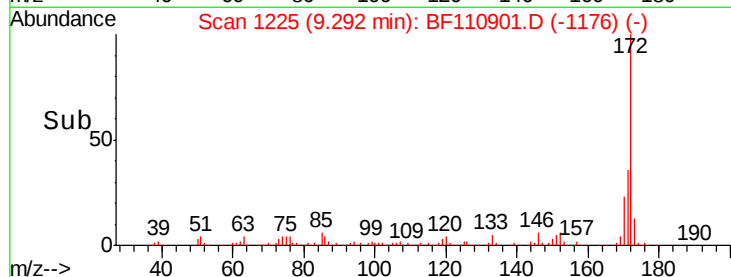
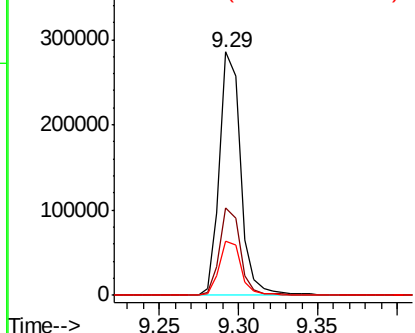
#45
 2-Fluorobiphenyl
 Concen: 30.642 ng
 RT: 9.29 min Scan# 1225
 Delta R.T. -0.01 min
 Lab File: BF110901.D
 Acq: 20 Nov 2018 18:23

Instrument :
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Tgt Ion:172 Resp: 266224
 Ion Ratio Lower Upper
 172 100
 171 36.1 28.6 43.0
 170 22.5 19.7 29.5

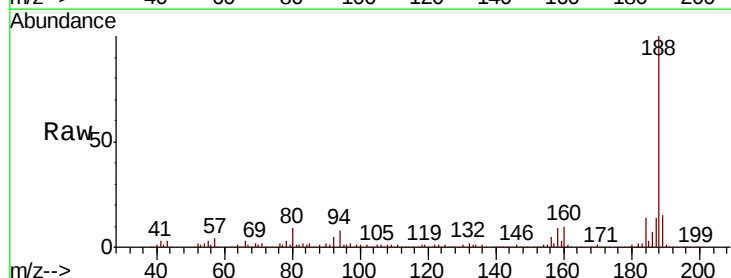


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

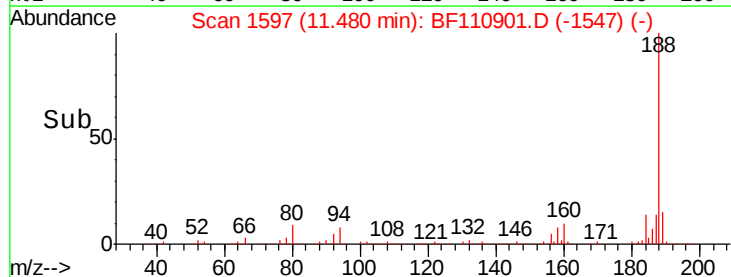
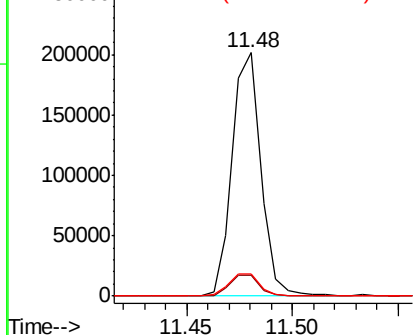


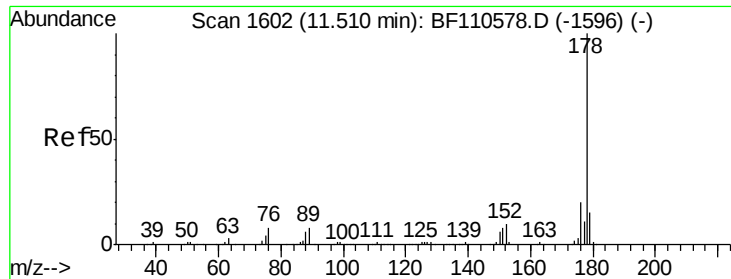
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.48 min Scan# 1597
 Delta R.T. -0.01 min
 Lab File: BF110901.D
 Acq: 20 Nov 2018 18:23

Tgt Ion:188 Resp: 189272
 Ion Ratio Lower Upper
 188 100
 94 8.5 7.2 10.8
 80 8.9 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

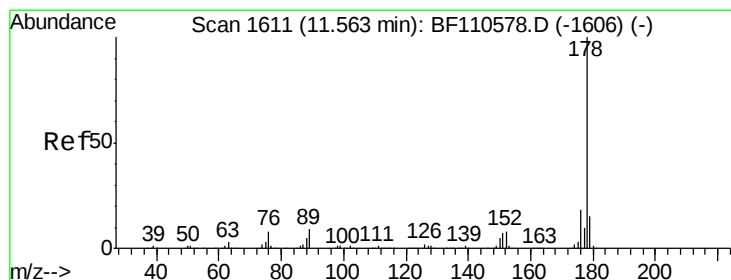
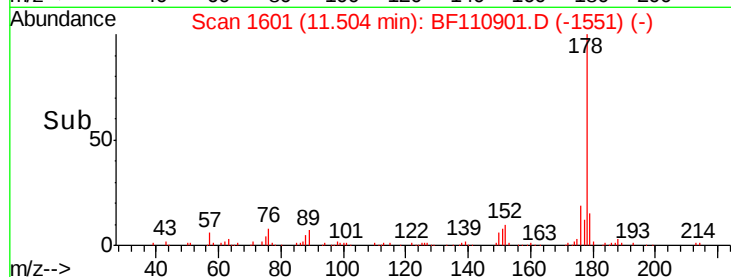
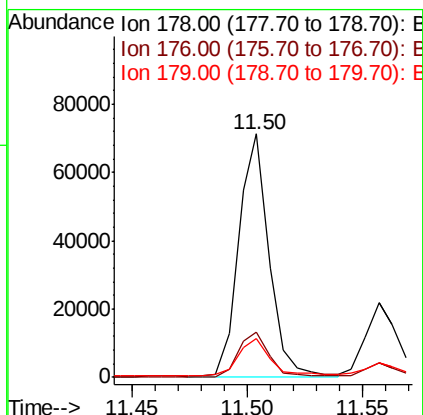
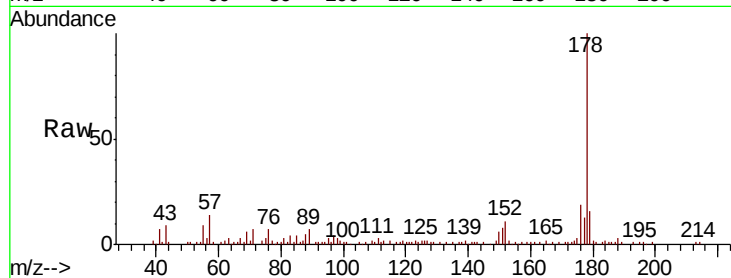




#71
Phenanthrene
Concen: 6.495 ng
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: BF110901.D
Acq: 20 Nov 2018 18:23

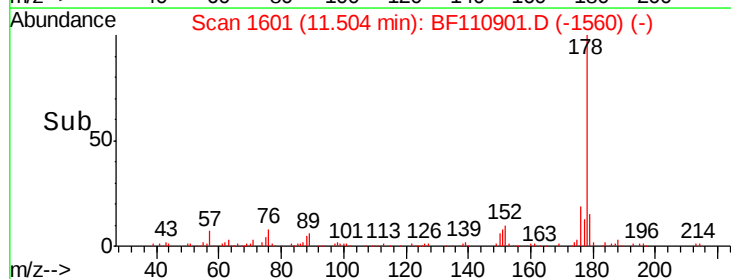
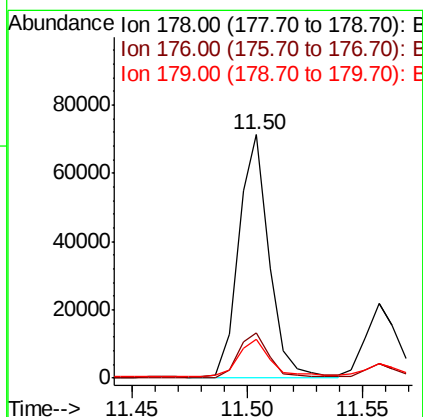
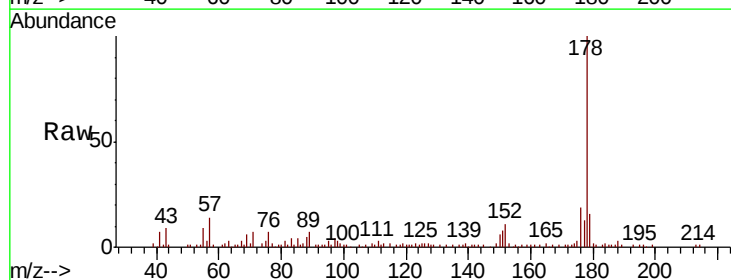
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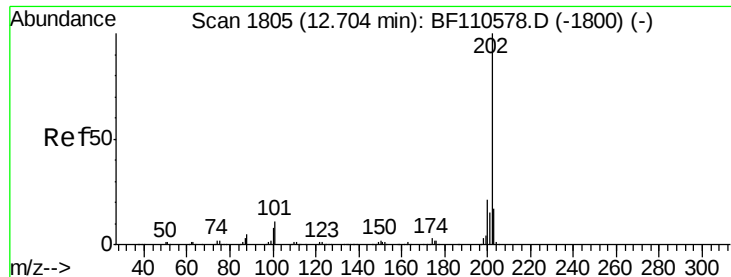
Tgt Ion:178 Resp: 65864
Ion Ratio Lower Upper
178 100
176 18.8 15.5 23.3
179 15.8 12.5 18.7



#72
Anthracene
Concen: 6.439 ng
RT: 11.50 min Scan# 1601
Delta R.T. -0.06 min
Lab File: BF110901.D
Acq: 20 Nov 2018 18:23

Tgt Ion:178 Resp: 65864
Ion Ratio Lower Upper
178 100
176 18.8 15.4 23.2
179 15.8 12.6 18.8





#75

Fluoranthene

Concen: 9.407 ng

RT: 12.70 min Scan# 1805

Delta R.T. 0.00 min

Lab File: BF110901.D

Acq: 20 Nov 2018 18:23

Instrument :

BNA_F

ClientSampleId :

HR-06-111918-A

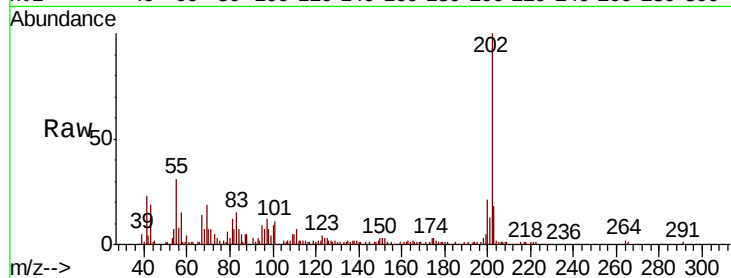
Tgt Ion:202 Resp: 95634

Ion Ratio Lower Upper

202 100

101 11.3 0.0 31.4

203 17.9 0.0 37.7

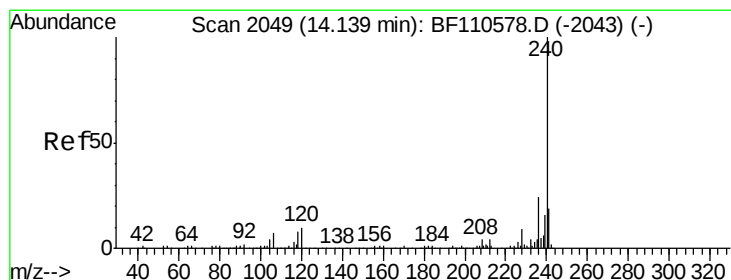
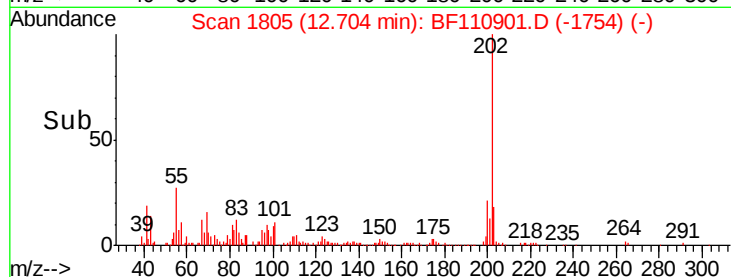
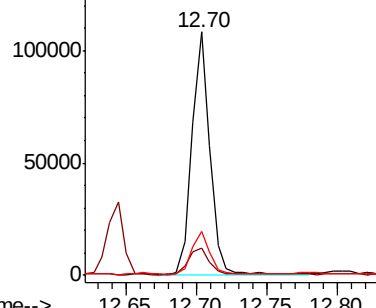


Abundance

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: BF110901.D

Acq: 20 Nov 2018 18:23

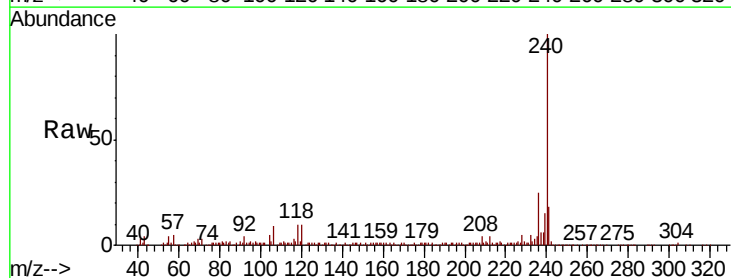
Tgt Ion:240 Resp: 164837

Ion Ratio Lower Upper

240 100

120 10.4 8.3 12.5

236 25.3 21.2 31.8

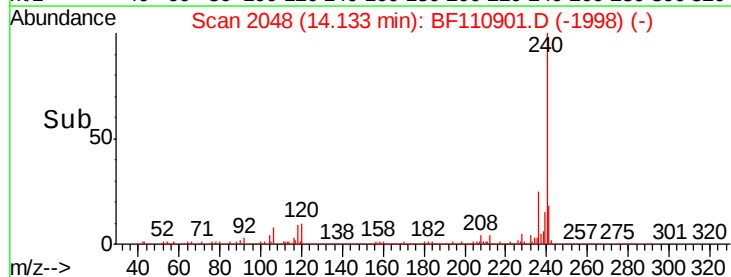
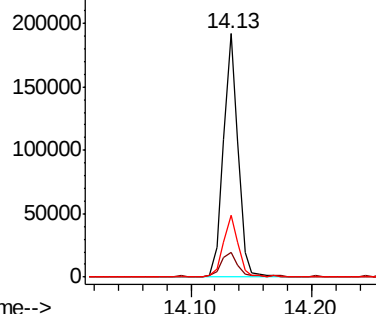


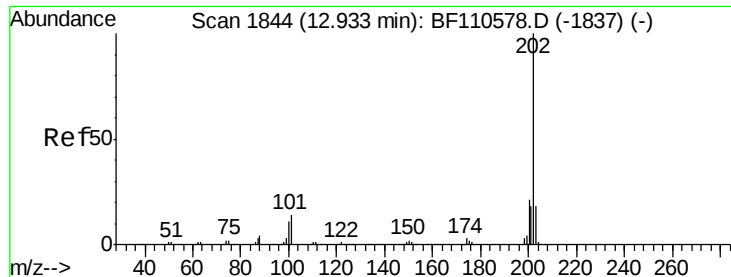
Abundance

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

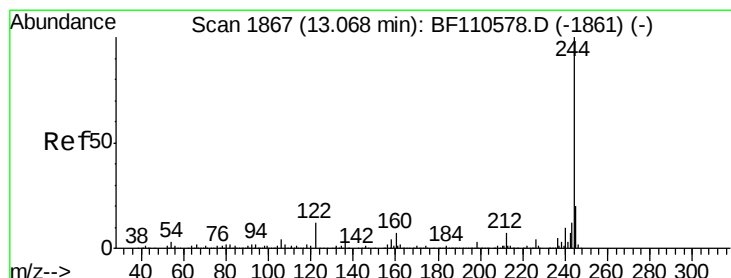
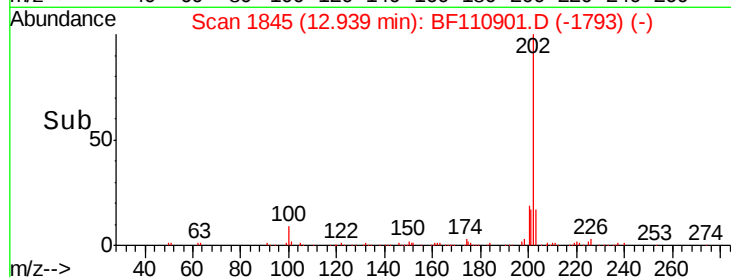
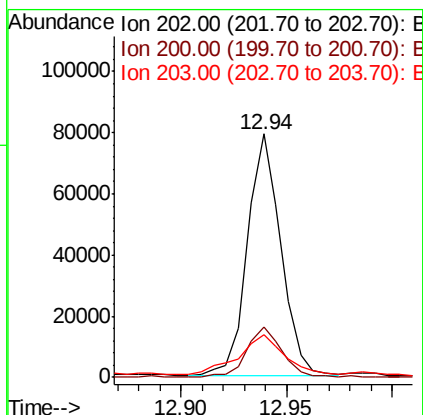
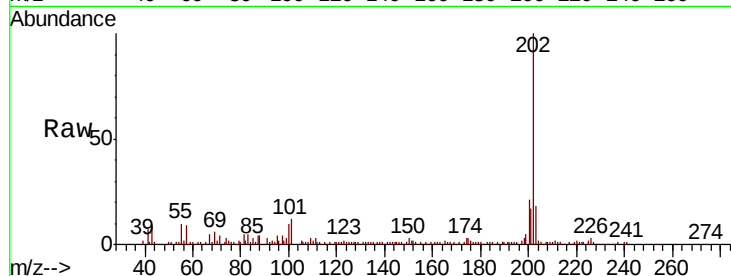




#78
 Pyrene
 Concen: 6.893 ng
 RT: 12.94 min Scan# 1845
 Delta R.T. 0.01 min
 Lab File: BF110901.D
 Acq: 20 Nov 2018 18:23

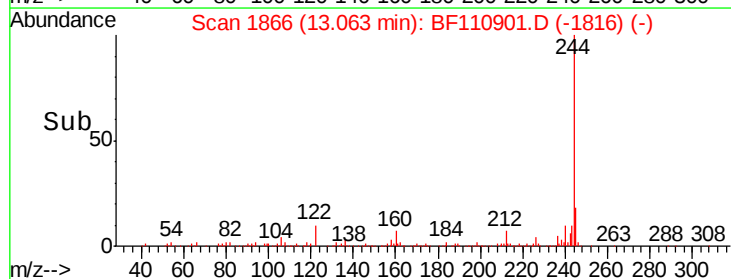
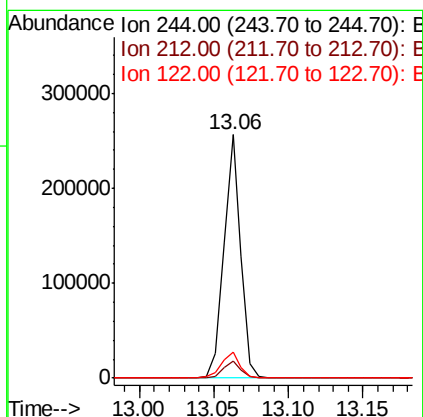
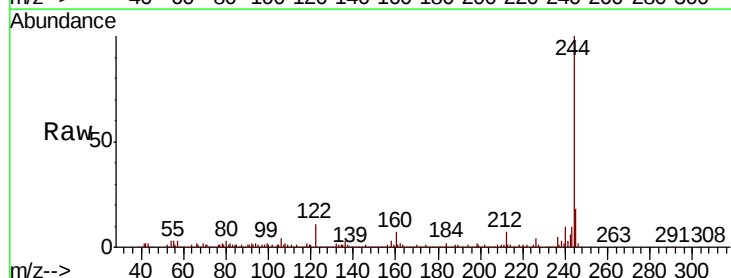
Instrument :
 BNA_F
 ClientSampleId :
 HR-06-111918-A

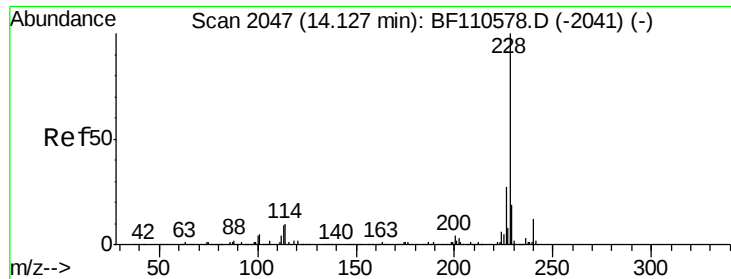
Tgt Ion: 202 Resp: 87482
 Ion Ratio Lower Upper
 202 100
 200 20.7 17.8 26.6
 203 17.7 14.2 21.4



#79
 Terphenyl-d14
 Concen: 23.171 ng
 RT: 13.06 min Scan# 1866
 Delta R.T. -0.01 min
 Lab File: BF110901.D
 Acq: 20 Nov 2018 18:23

Tgt Ion: 244 Resp: 203949
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.8 8.8
 122 10.5 8.7 13.1

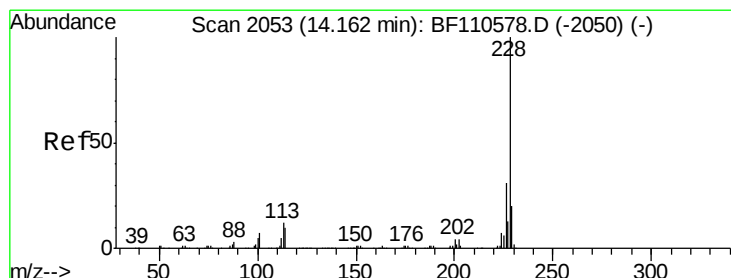
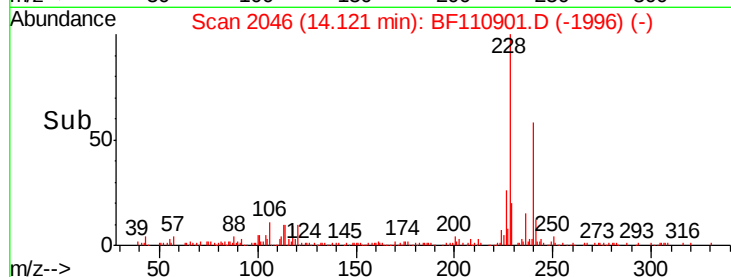
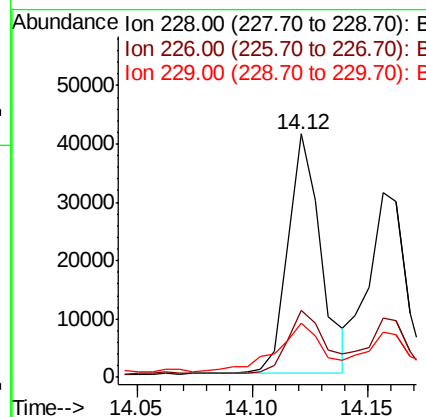
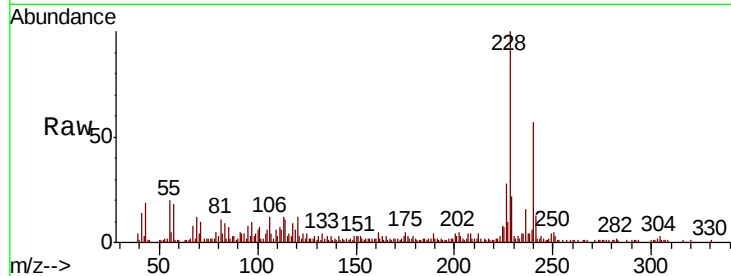




#81
Benzo(a)anthracene
Concen: 4.117 ng
RT: 14.12 min Scan# 2046
Delta R.T. -0.01 min
Lab File: BF110901.D
Acq: 20 Nov 2018 18:23

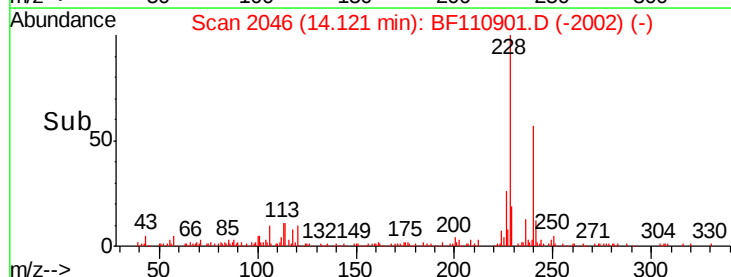
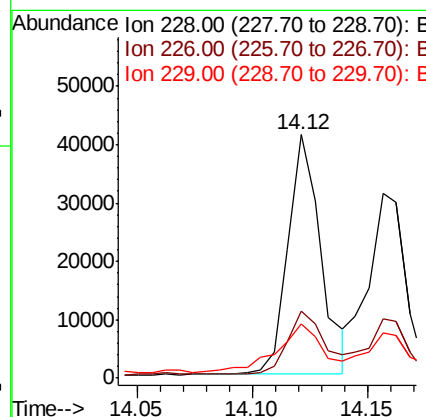
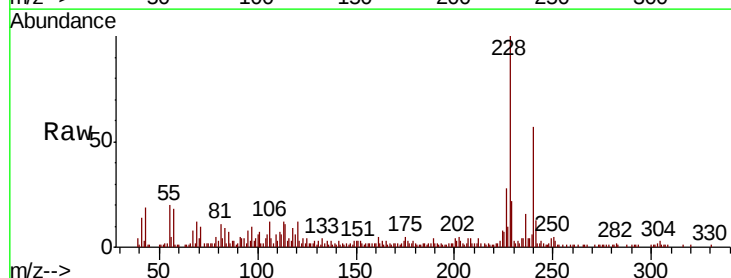
Instrument :
BNA_F
ClientSampleId :
HR-06-111918-A

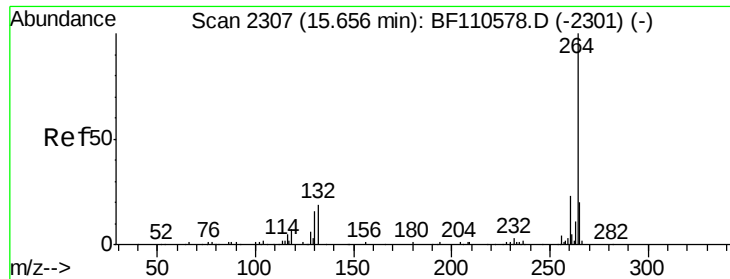
Tgt Ion:228 Resp: 40564
Ion Ratio Lower Upper
228 100
226 27.7 22.1 33.1
229 22.1 15.6 23.4



#83
Chrysene
Concen: 4.322 ng
RT: 14.12 min Scan# 2046
Delta R.T. -0.04 min
Lab File: BF110901.D
Acq: 20 Nov 2018 18:23

Tgt Ion:228 Resp: 40564
Ion Ratio Lower Upper
228 100
226 27.7 24.7 37.1
229 22.1 15.9 23.9

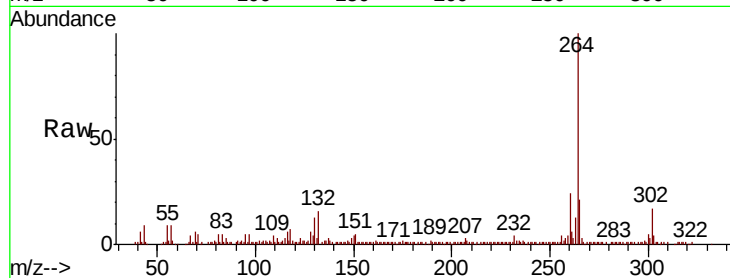




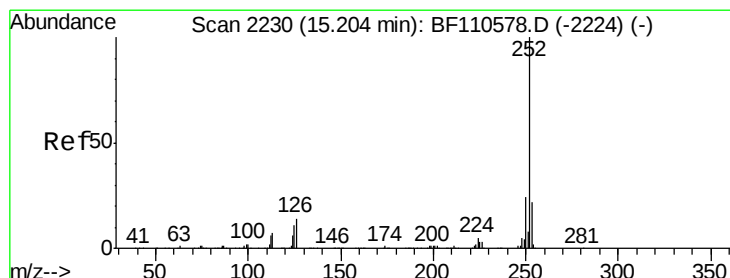
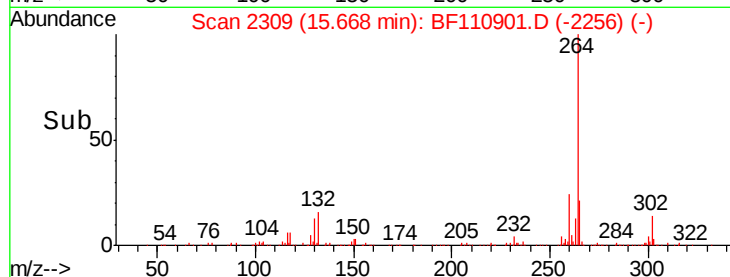
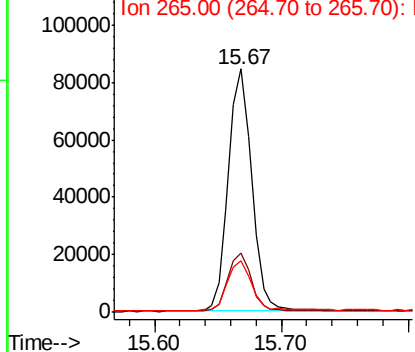
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.67 min Scan# 2309
Delta R.T. 0.01 min
Lab File: BF110901.D
Acq: 20 Nov 2018 18:23

Instrument :
BNA_F
ClientSampleId :
HR-06-111918-A

Tgt Ion:264 Resp: 107904
Ion Ratio Lower Upper
264 100
260 24.1 18.7 28.1
265 21.3 16.7 25.1

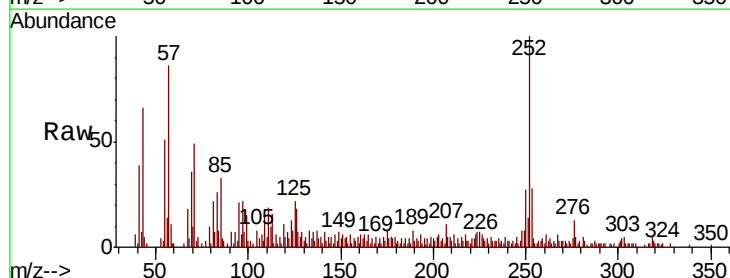


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

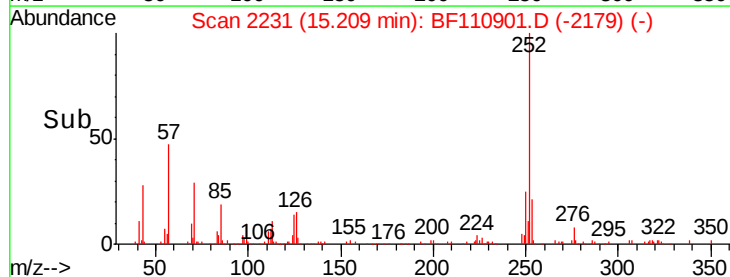
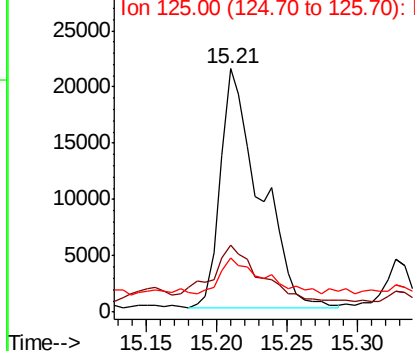


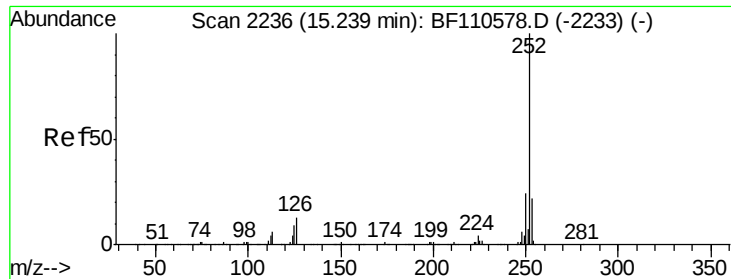
#88
Benzo(b)fluoranthene
Concen: 6.481 ng
RT: 15.21 min Scan# 2231
Delta R.T. 0.01 min
Lab File: BF110901.D
Acq: 20 Nov 2018 18:23

Tgt Ion:252 Resp: 41835
Ion Ratio Lower Upper
252 100
253 27.5 17.2 25.8#
125 22.5 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

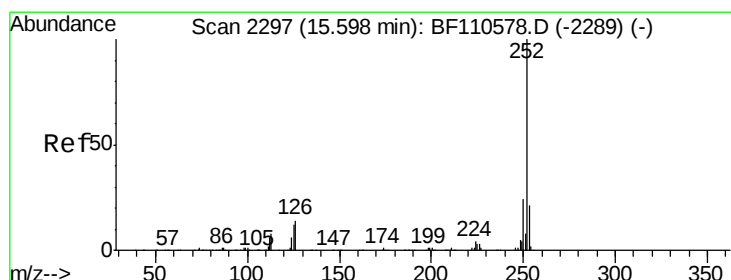
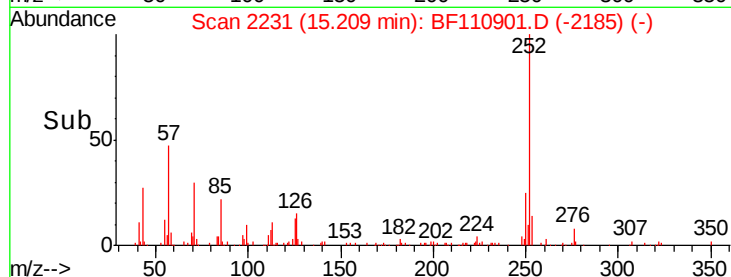
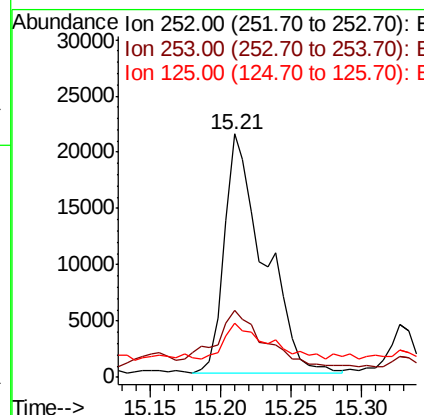
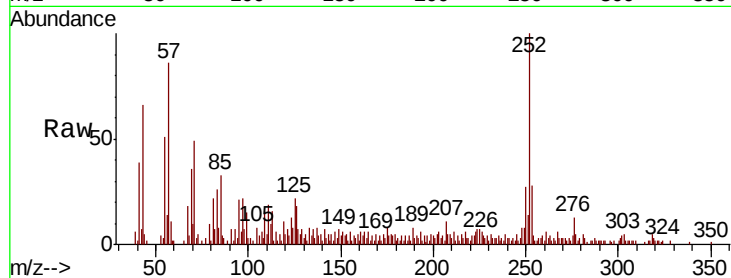




#89
Benzo(k)fluoranthene
Concen: 6.559 ng
RT: 15.21 min Scan# 2231
Delta R.T. -0.03 min
Lab File: BF110901.D
Acq: 20 Nov 2018 18:23

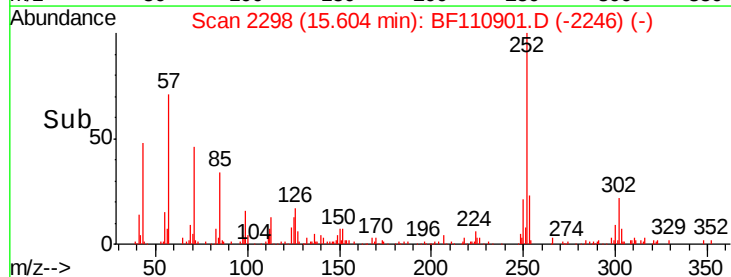
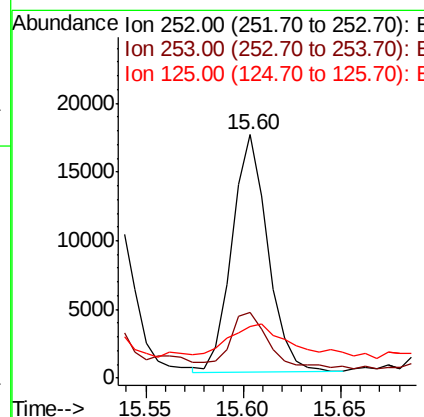
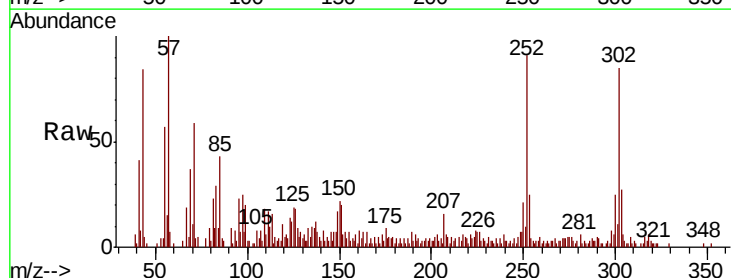
Instrument :
BNA_F
ClientSampleId :
HR-06-111918-A

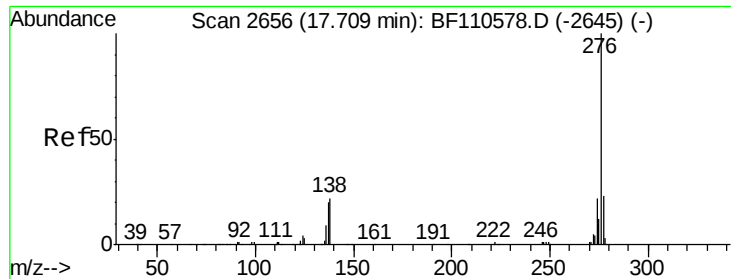
Tgt Ion:252 Resp: 41835
Ion Ratio Lower Upper
252 100
253 27.5 17.2 25.8#
125 22.5 7.4 11.0#



#90
Benzo(a)pyrene
Concen: 3.730 ng
RT: 15.60 min Scan# 2298
Delta R.T. 0.01 min
Lab File: BF110901.D
Acq: 20 Nov 2018 18:23

Tgt Ion:252 Resp: 21874
Ion Ratio Lower Upper
252 100
253 27.2 18.2 27.4
125 21.2 9.0 13.6#





#92

Benzo(g,h,i)perylene

Concen: 2.805 ng

RT: 17.74 min Scan# 2661

Delta R.T. 0.03 min

Lab File: BF110901.D

Acq: 20 Nov 2018 18:23

Instrument :

BNA_F

ClientSampleId :

HR-06-111918-A

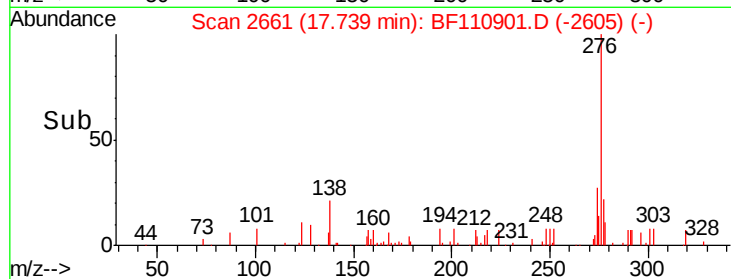
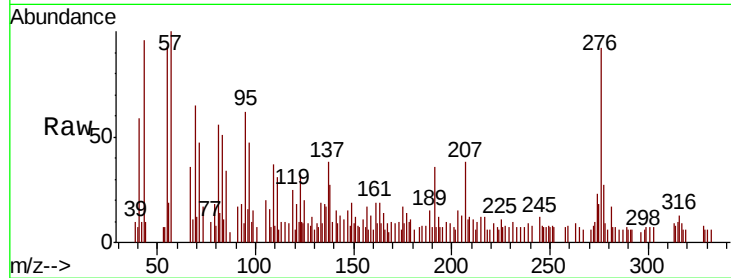
Tgt Ion:276 Resp: 13811

Ion Ratio Lower Upper

276 100

277 29.6 18.8 28.2#

138 29.6 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

