

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101918\
 Data File : BF110019.D
 Acq On : 19 Oct 2018 22:44
 Operator : JU/SJ
 Sample : J5195-03 2X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 20 00:10:38 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 16 14:58:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	212355	20.00	ng	-0.01
21) Naphthalene-d8	8.25	136	839242	20.00	ng	-0.02
39) Acenaphthene-d10	10.01	164	355331	20.00	ng	-0.02
64) Phenanthrene-d10	11.50	188	560452	20.00	ng	-0.01
76) Chrysene-d12	14.14	240	394477	20.00	ng	-0.02
87) Perylene-d12	15.67	264	341850	20.00	ng	-0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.58	112	596284	44.51	ng	-0.02
7) Phenol-d6	6.58	99	763836	45.92	ng	-0.02
23) Nitrobenzene-d5	7.53	82	464749	37.30	ng	-0.02
42) 2,4,6-Tribromophenol	10.80	330	141039	45.85	ng	-0.02
45) 2-Fluorobiphenyl	9.33	172	816456	36.66	ng	-0.01
79) Terphenyl-d14	13.09	244	560912	29.86	ng	-0.02

Target Compounds

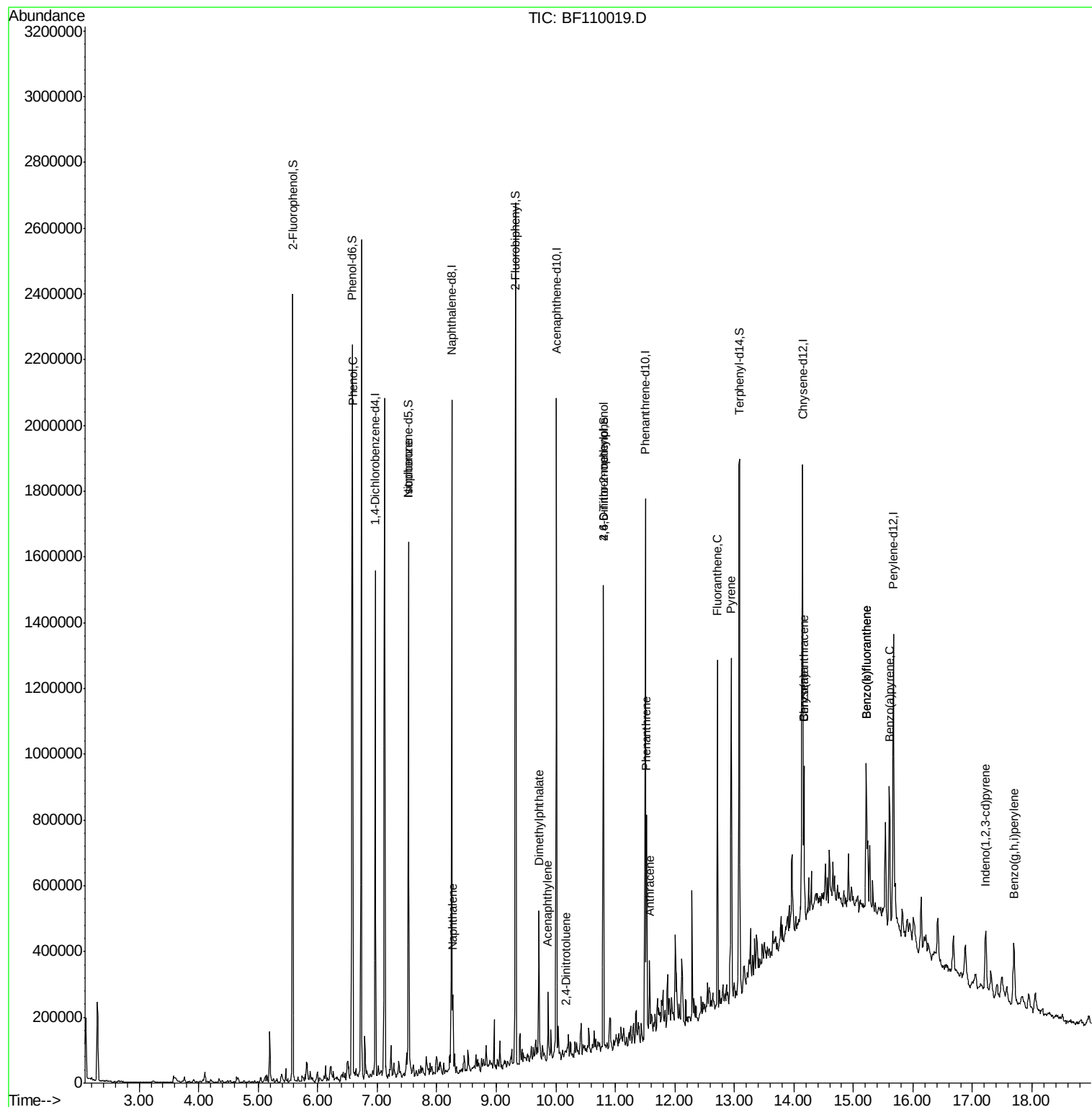
						Qvalue
10) Phenol	6.59	94	72865	4.057	ng	# 65
25) Isophorone	7.53	82	460455	18.810	ng	# 67
31) Naphthalene	8.27	128	92160	2.395	ng	100
49) Acenaphthylene	9.87	152	68742	2.029	ng	95
50) Dimethylphthalate	9.72	163	120695	4.797	ng	100
57) 2,4-Dinitrotoluene	10.16	165	2127	4.902	ng	# 40
65) 4,6-Dinitro-2-methylphenol	10.80	198	409	8.073	ng	# 1
71) Phenanthrene	11.53	178	237952	8.201	ng	100
72) Anthracene	11.57	178	67150	2.302	ng	99
75) Fluoranthene	12.72	202	371082	12.802	ng	98
78) Pyrene	12.95	202	394398	13.613	ng	98
81) Benzo(a)anthracene	14.17	228	178547	7.684	ng	94
83) Chrysene	14.17	228	178547	8.073	ng	98
86) Indeno(1,2,3-cd)pyrene	17.22	276	131540	7.387	ng	97
88) Benzo(b)fluoranthene	15.22	252	323588	16.419	ng	# 93
89) Benzo(k)fluoranthene	15.22	252	323588	16.658	ng	# 92
90) Benzo(a)pyrene	15.60	252	200179	11.044	ng	# 97
92) Benzo(a,h,i)perylene	17.70	276	153949	9.485	ng	94

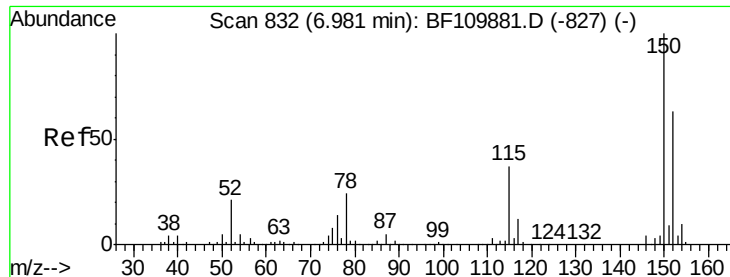
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
BNA_F
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Quant Time: Oct 20 00:10:38 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 16 14:58:24 2018
Response via : Initial Calibration



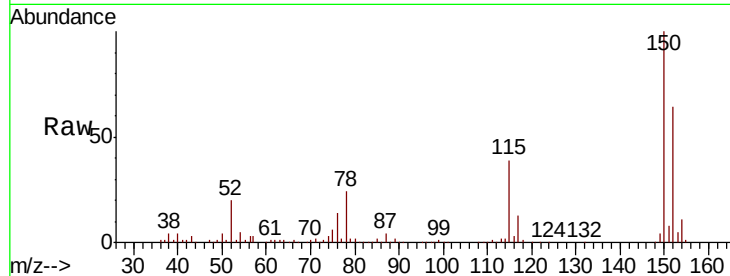


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. -0.01 min
Lab File: BF110019.D
Acq: 19 Oct 2018 22:44

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.7	122.7	184.1
115	60.6	49.1	73.7

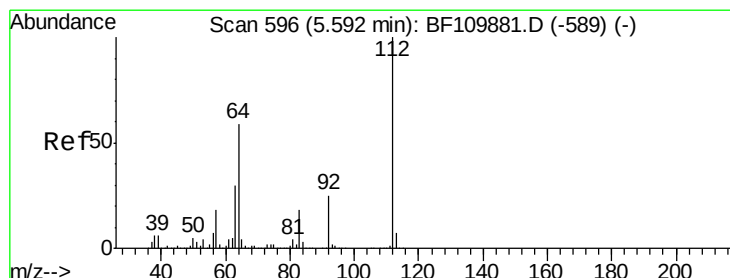
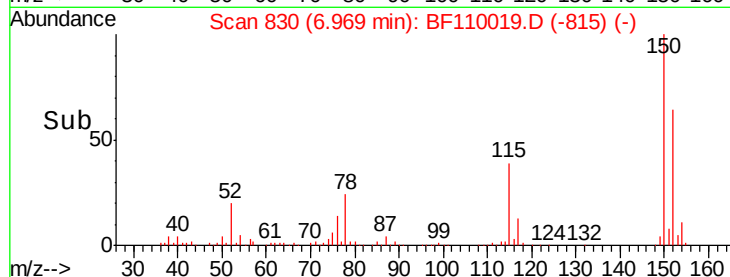
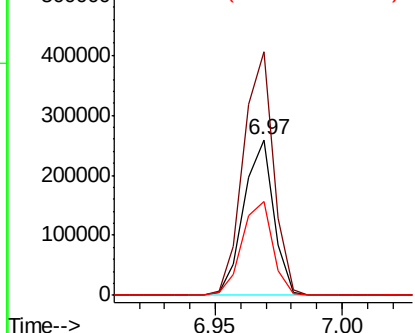


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

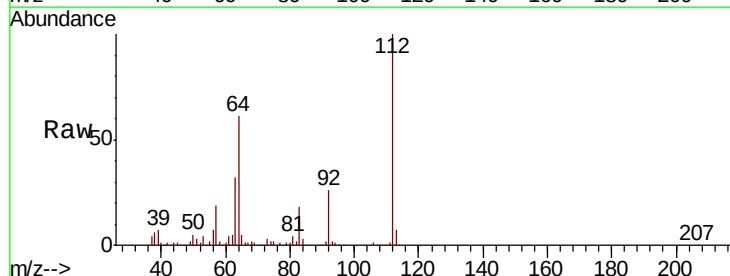
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 44.510 ng
RT: 5.58 min Scan# 594
Delta R.T. -0.02 min
Lab File: BF110019.D
Acq: 19 Oct 2018 22:44

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.3	44.1	66.1
63	32.1	23.7	35.5

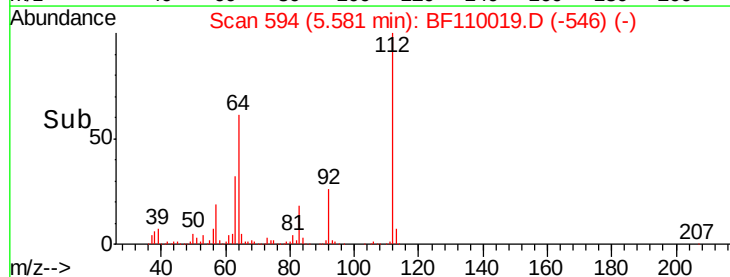
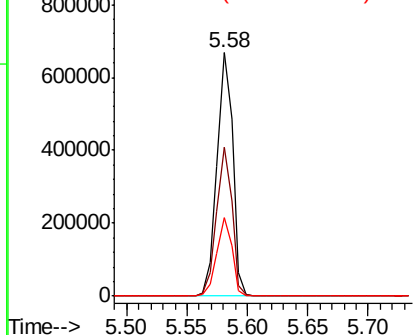


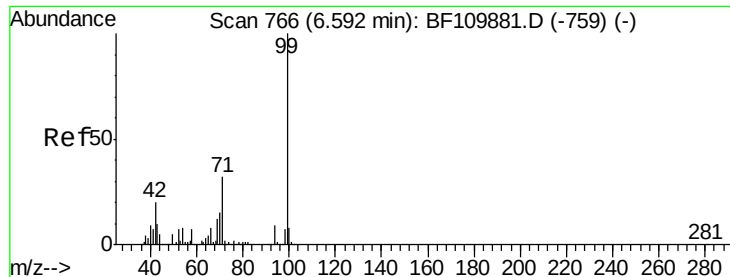
Abundance

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: 45.917 ng

RT: 6.58 min Scan# 764

Delta R.T. -0.02 min

Lab File: BF110019.D

Acq: 19 Oct 2018 22:44

Instrument :

BNA_F

ClientSampled :

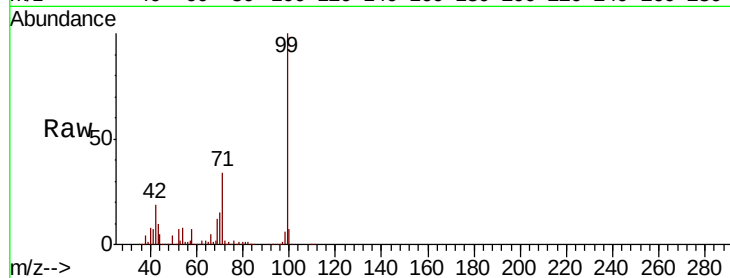
Tot Ion: 99 Resp: 763836

Ion Ratio Lower Upper

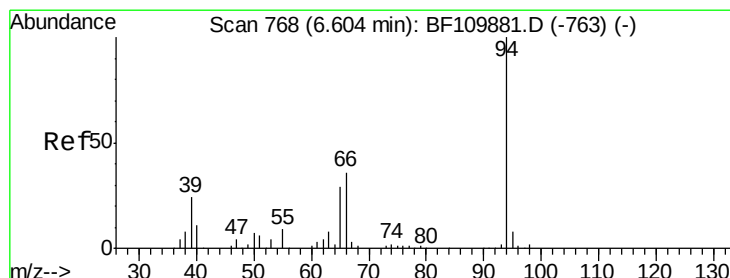
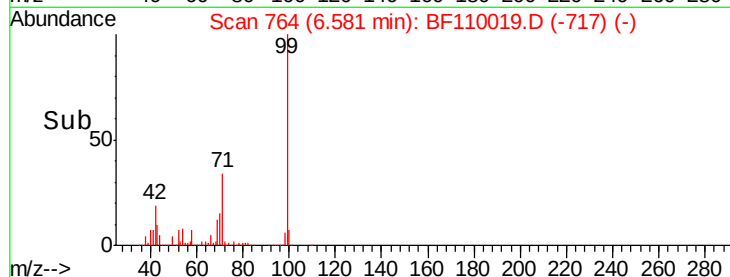
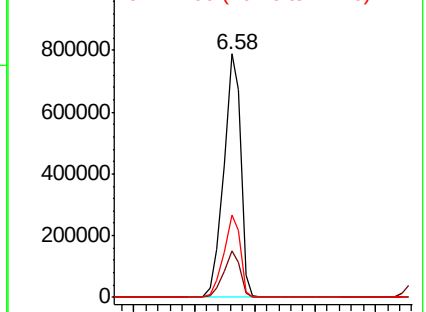
99 100

42 19.0 15.8 23.6

71 34.1 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: 4.057 ng

RT: 6.59 min Scan# 766

Delta R.T. -0.02 min

Lab File: BF110019.D

Acq: 19 Oct 2018 22:44

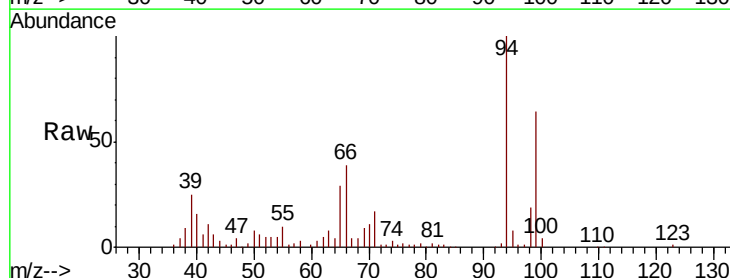
Tgt Ion: 94 Resp: 72865

Ion Ratio Lower Upper

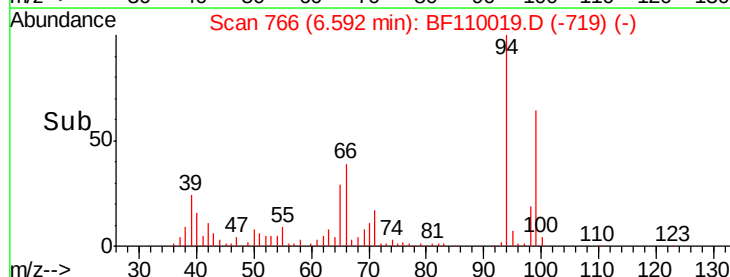
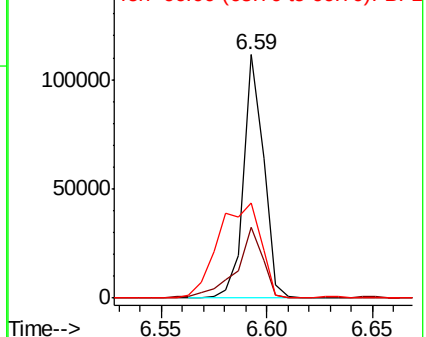
94 100

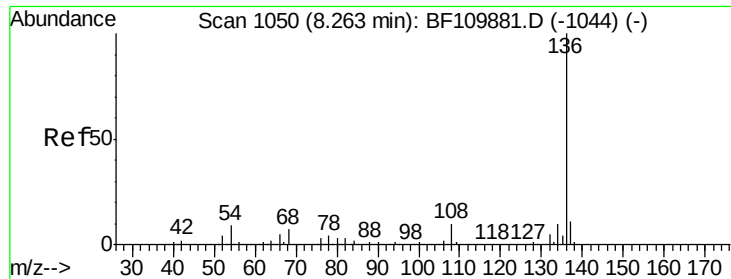
65 29.1 25.3 65.3

66 38.8 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

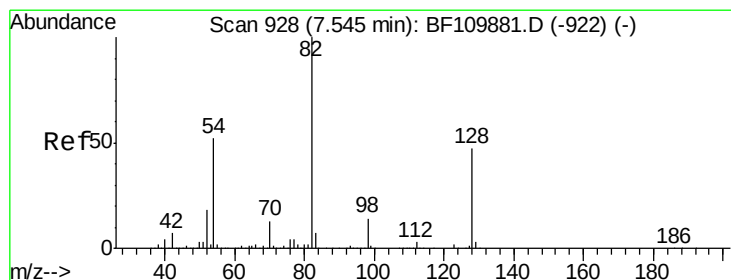
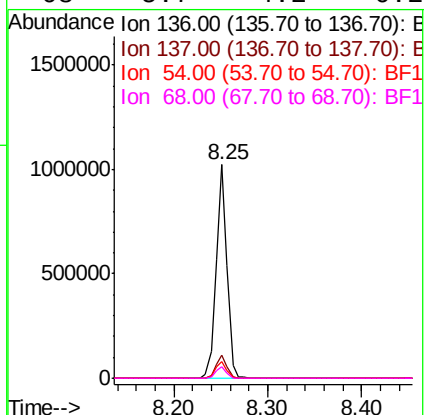
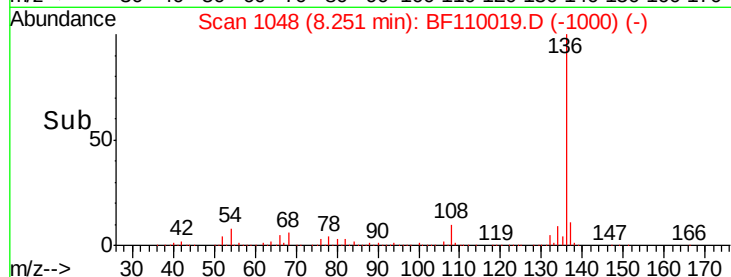
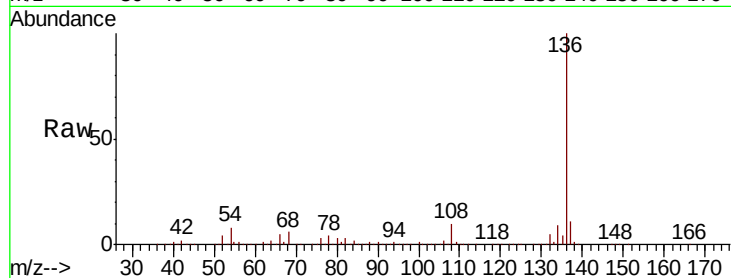




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1048
Delta R.T. -0.02 min
Lab File: BF110019.D
Acq: 19 Oct 2018 22:44

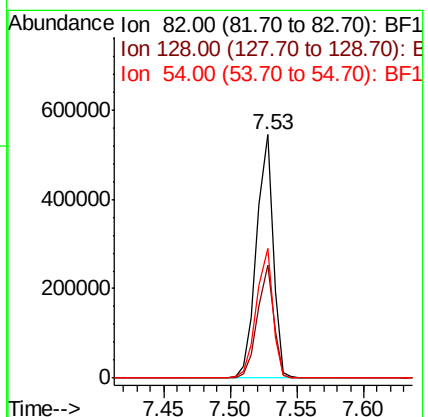
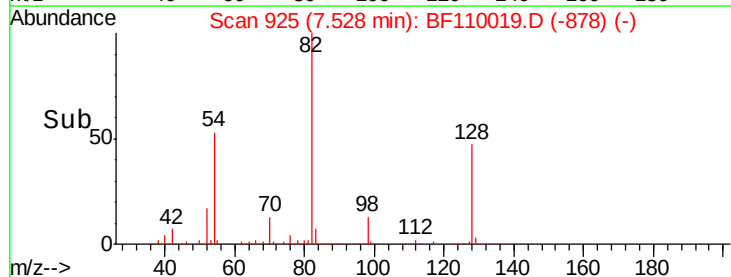
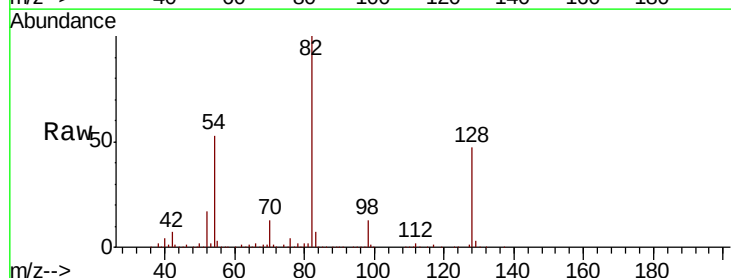
Instrument :
BNA_F
ClientSampleId :

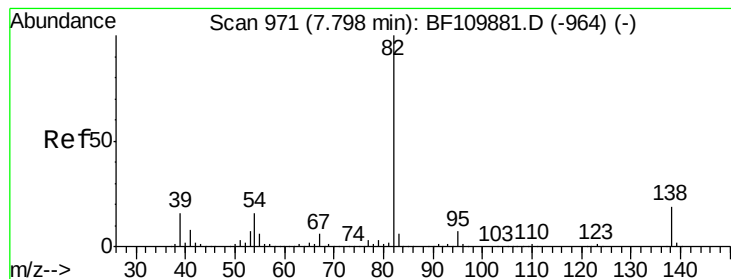
Tot Ion:136	Resp:	839242
Ion Ratio	Lower	Upper
136 100		
137 11.0	8.8	13.2
54 8.0	5.4	8.2
68 5.7	4.2	6.2



#23
Nitrobenzene-d5
Concen: 37.304 ng
RT: 7.53 min Scan# 925
Delta R.T. -0.02 min
Lab File: BF110019.D
Acq: 19 Oct 2018 22:44

Tgt Ion: 82	Resp: 464749
Ion Ratio	Lower Upper
82 100	
128 46.6	34.2 51.2
54 53.0	38.6 58.0





#25

Isophorone

Concen: 18.810 ng

RT: 7.53 min Scan# 925

Delta R.T. -0.28 min

Lab File: BF110019.D

Acq: 19 Oct 2018 22:44

Instrument :

BNA_F

ClientSampleId :

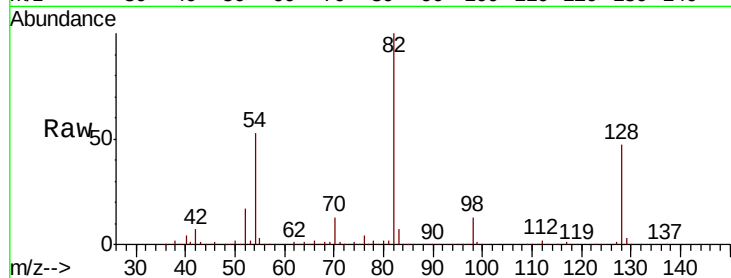
Tot Ion: 82 Resp: 460455

Ion Ratio Lower Upper

82 100

95 0.2 5.7 8.5#

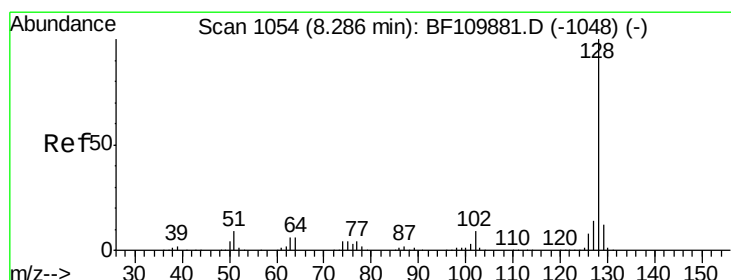
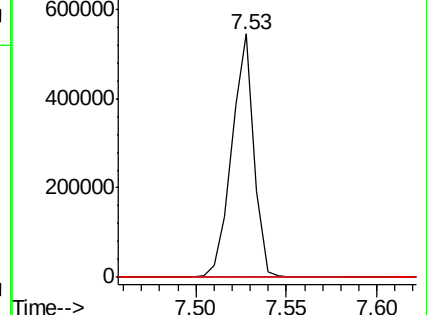
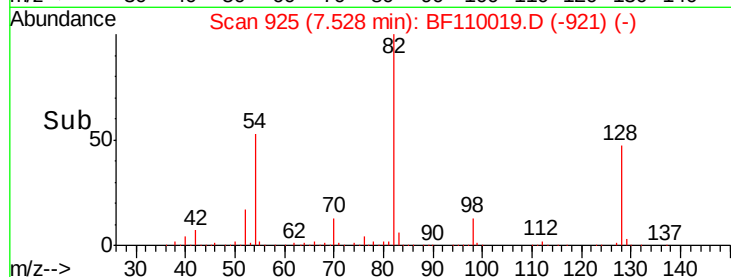
138 0.0 13.2 19.8#



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



#31

Naphthalene

Concen: 2.395 ng

RT: 8.27 min Scan# 1052

Delta R.T. -0.02 min

Lab File: BF110019.D

Acq: 19 Oct 2018 22:44

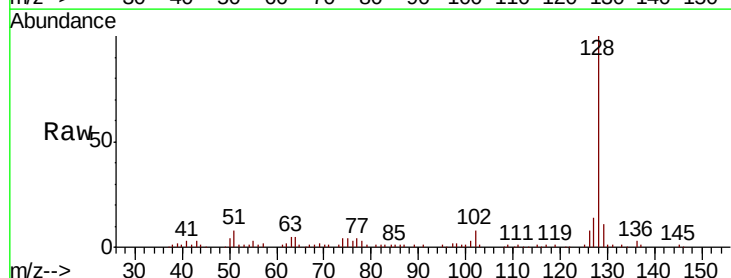
Tgt Ion: 128 Resp: 92160

Ion Ratio Lower Upper

128 100

129 11.3 8.8 13.2

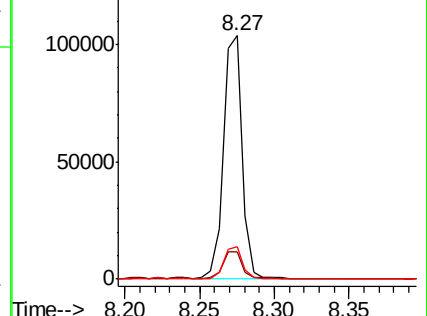
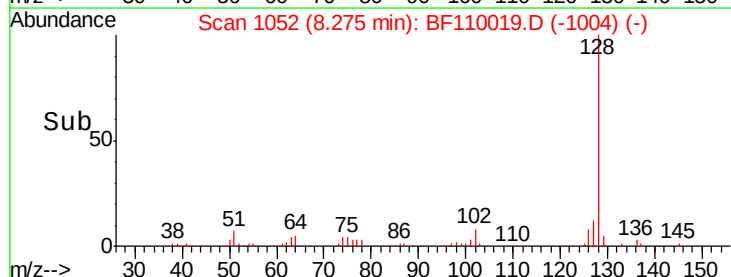
127 13.5 10.8 16.2

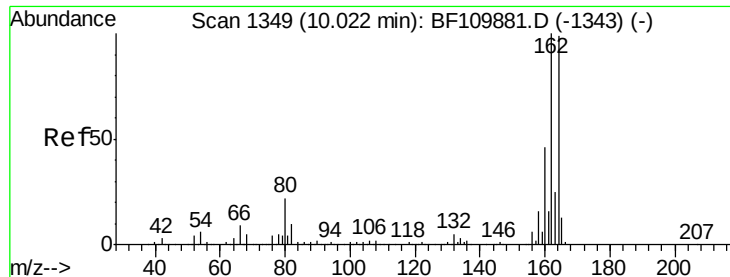


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.01 min Scan# 1347

Delta R.T. -0.02 min

Lab File: BF110019.D

Acq: 19 Oct 2018 22:44

Instrument :

BNA_F

ClientSampleId :

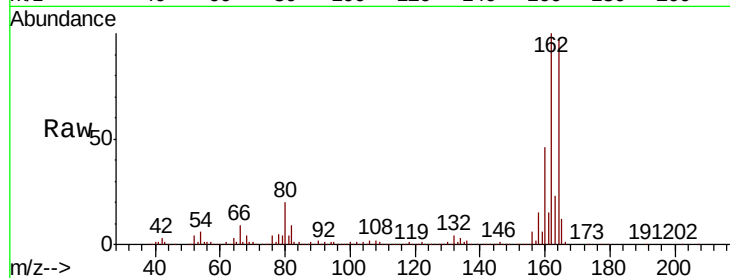
Tot Ion:164 Resp: 355331

Ion Ratio Lower Upper

164 100

162 103.5 83.0 124.6

160 47.8 37.0 55.6

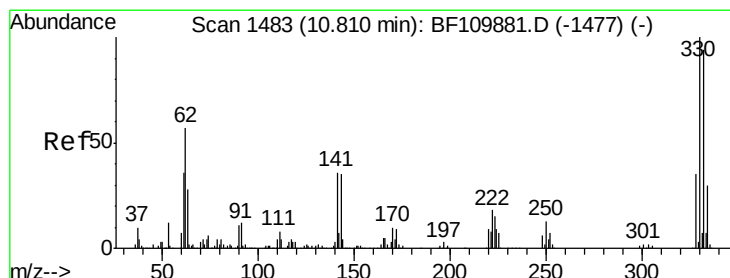
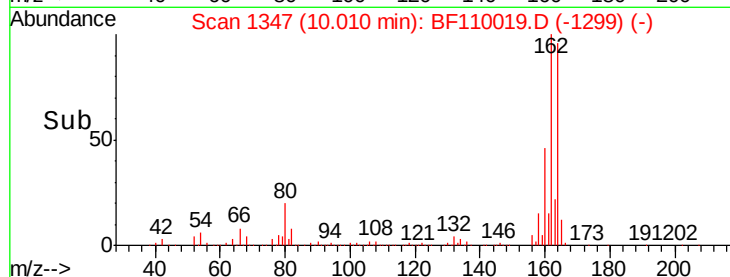
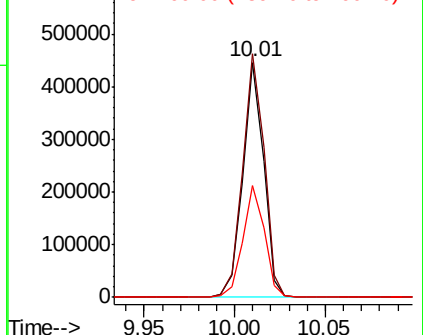


Abundance

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: 45.846 ng

RT: 10.80 min Scan# 1481

Delta R.T. -0.02 min

Lab File: BF110019.D

Acq: 19 Oct 2018 22:44

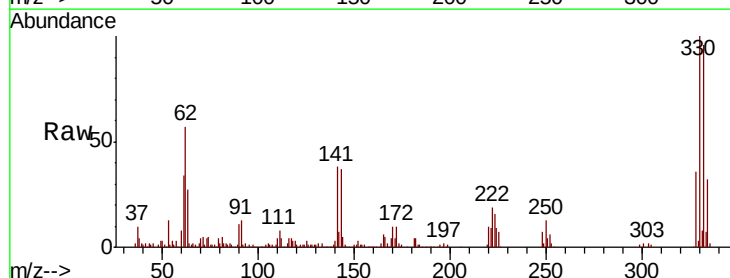
Tgt Ion:330 Resp: 141039

Ion Ratio Lower Upper

330 100

332 96.0 77.1 115.7

141 37.6 27.0 40.4

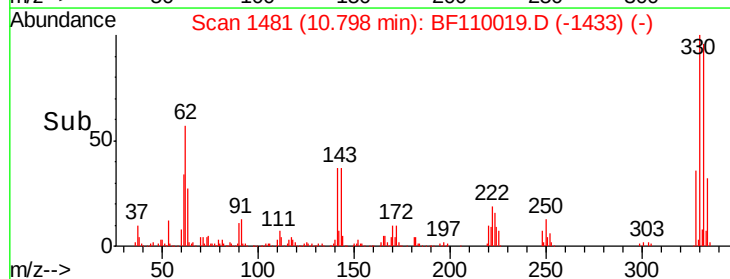
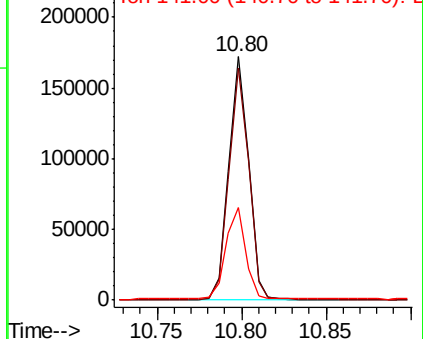


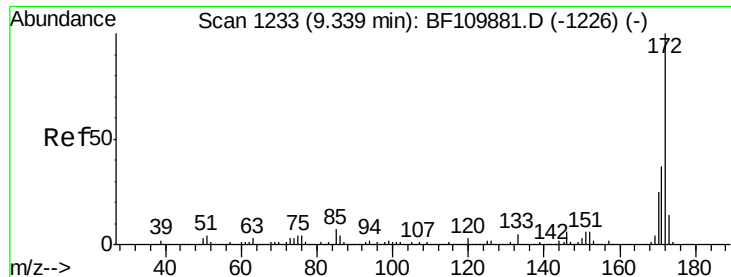
Abundance

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

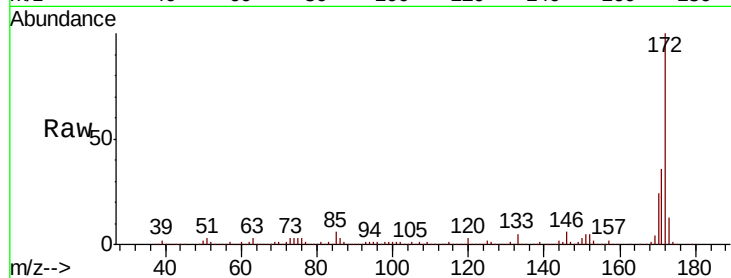




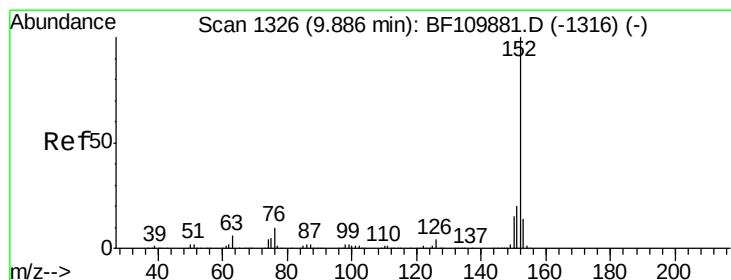
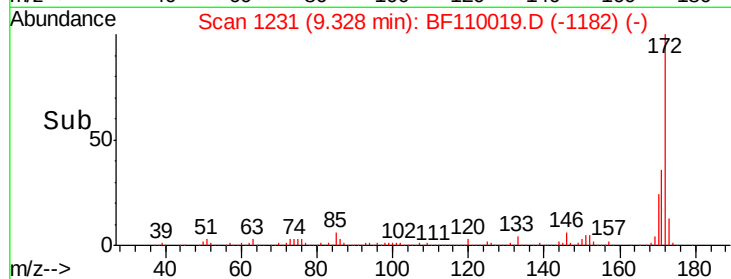
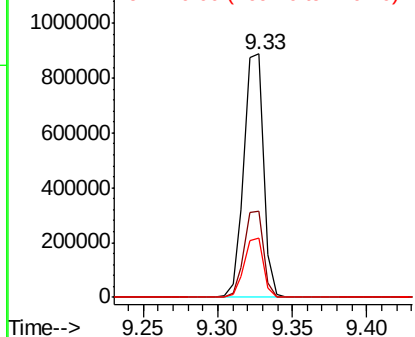
#45
2-Fluorobiphenyl
Concen: 36.664 ng
RT: 9.33 min Scan# 1231
Delta R.T. -0.01 min
Lab File: BF110019.D
Acq: 19 Oct 2018 22:44

Instrument :
BNA_F
ClientSampled :

Tot Ion:172 Resp: 816456
Ion Ratio Lower Upper
172 100
171 35.6 28.6 43.0
170 24.2 19.7 29.5

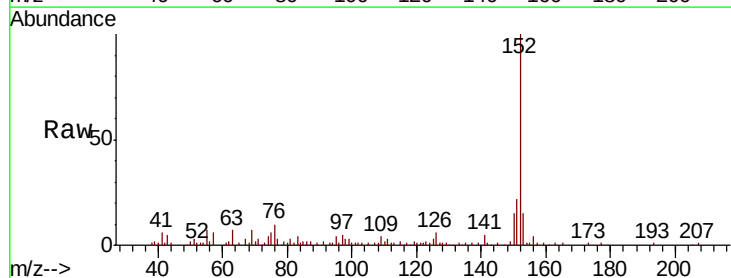


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

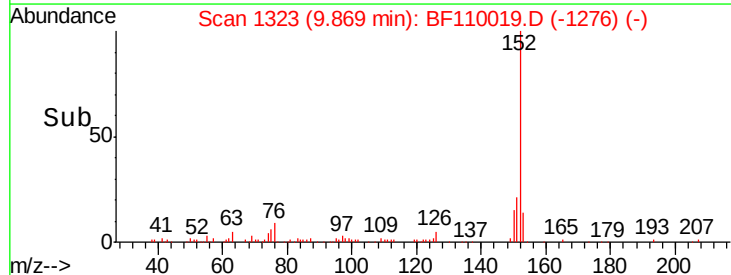
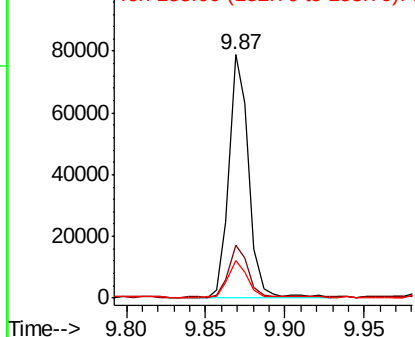


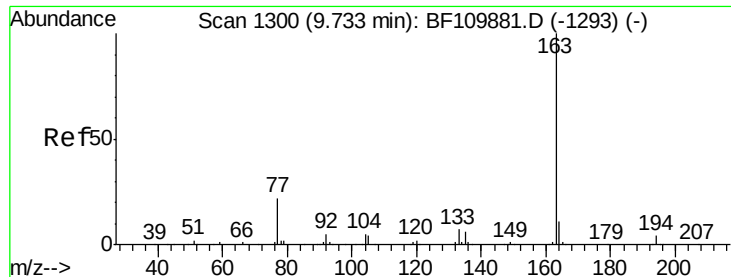
#49
Acenaphthylene
Concen: 2.029 ng
RT: 9.87 min Scan# 1323
Delta R.T. -0.02 min
Lab File: BF110019.D
Acq: 19 Oct 2018 22:44

Tgt Ion:152 Resp: 68742
Ion Ratio Lower Upper
152 100
151 21.7 15.8 23.8
153 15.2 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

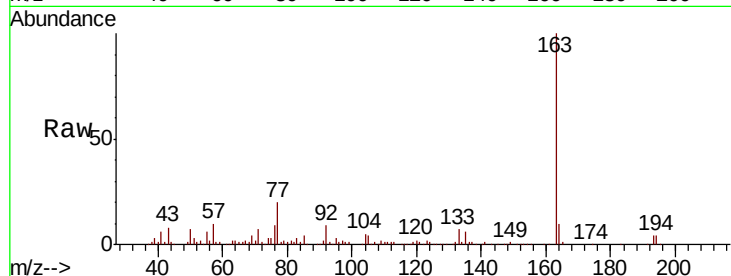




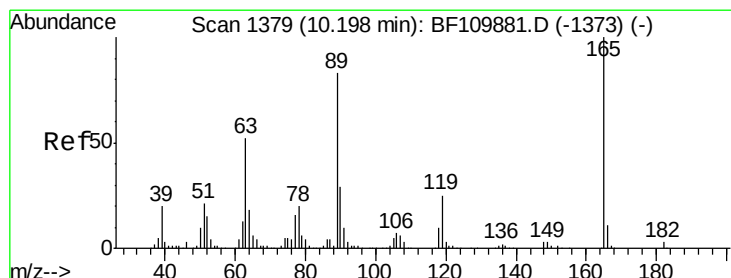
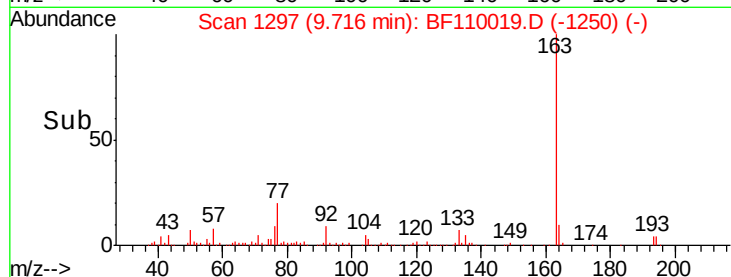
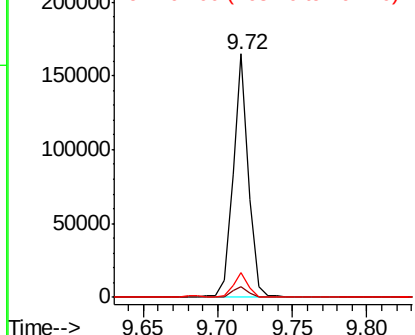
#50
Dimethylphthalate
Concen: 4.797 ng
RT: 9.72 min Scan# 1297
Delta R.T. -0.02 min
Lab File: BF110019.D
Acq: 19 Oct 2018 22:44

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 120695
Ion Ratio Lower Upper
163 100
194 4.3 3.2 4.8
164 10.1 8.1 12.1

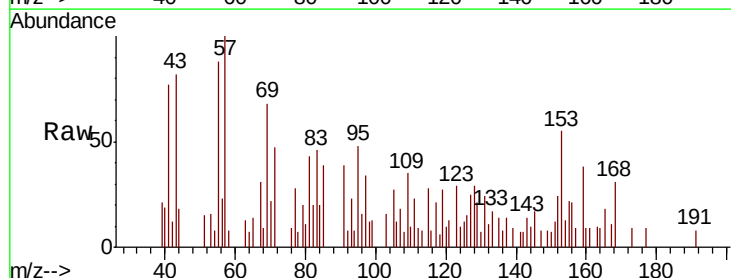


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

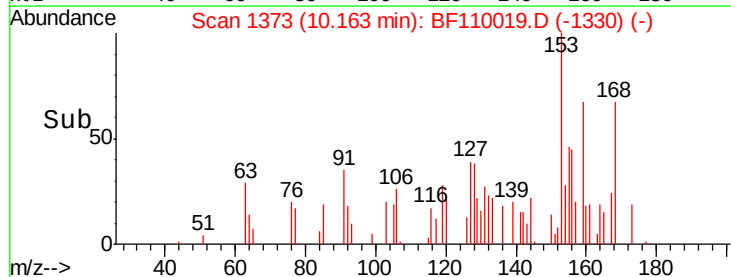
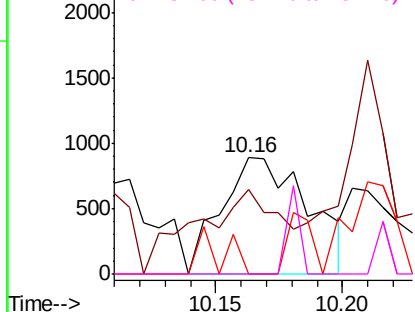


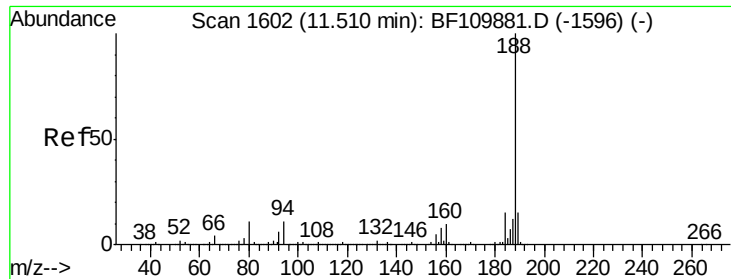
#57
2,4-Dinitrotoluene
Concen: 4.902 ng
RT: 10.16 min Scan# 1373
Delta R.T. -0.05 min
Lab File: BF110019.D
Acq: 19 Oct 2018 22:44

Tgt Ion:165 Resp: 2127
Ion Ratio Lower Upper
165 100
63 72.4 44.8 67.2#
89 0.0 62.2 93.4#
182 0.0 2.1 3.1#



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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.50 min Scan# 1601

Delta R.T. -0.01 min

Lab File: BF110019.D

Acq: 19 Oct 2018 22:44

Instrument :

BNA_F

ClientSampled :

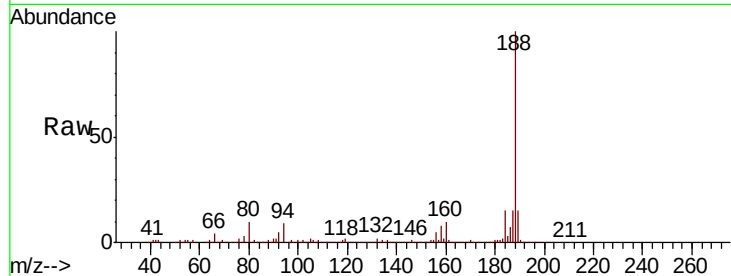
Tot Ion:188 Resp: 560452

Ion Ratio Lower Upper

188 100

94 9.0 7.2 10.8

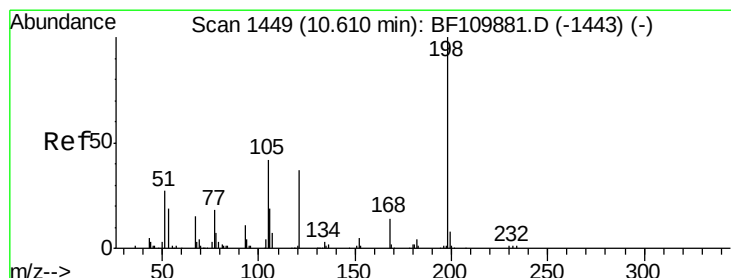
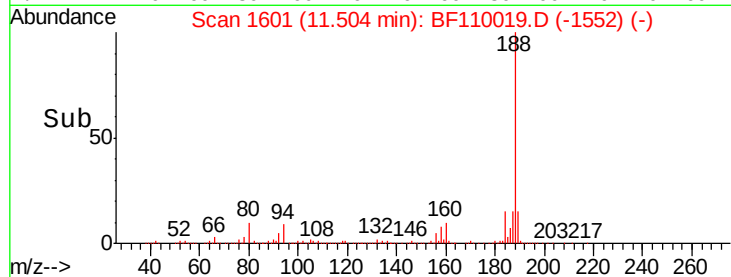
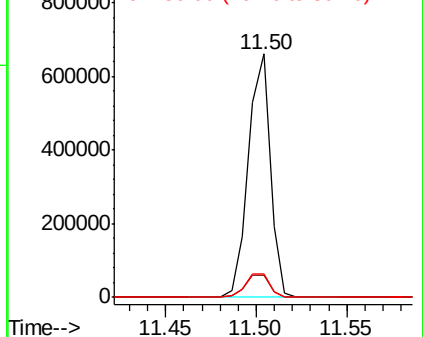
80 9.6 7.9 11.9



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



#65

4,6-Dinitro-2-methylphenol

Concen: 8.073 ng

RT: 10.80 min Scan# 1481

Delta R.T. 0.18 min

Lab File: BF110019.D

Acq: 19 Oct 2018 22:44

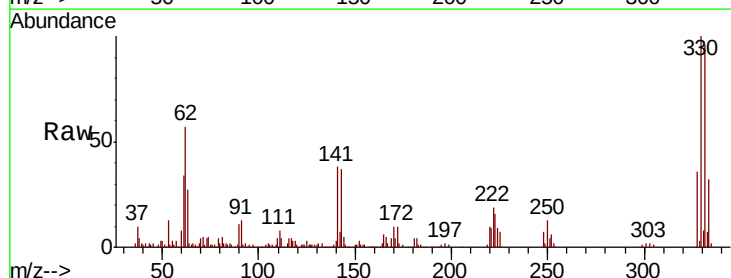
Tgt Ion:198 Resp: 409

Ion Ratio Lower Upper

198 100

51 359.4 22.8 62.8#

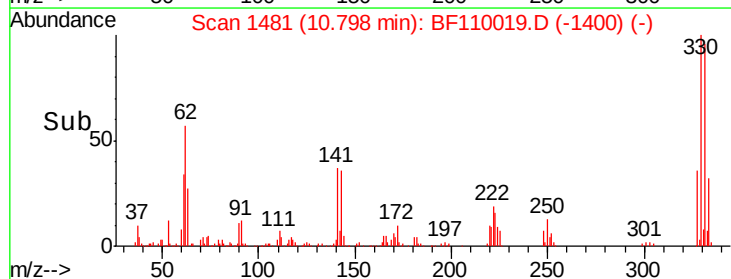
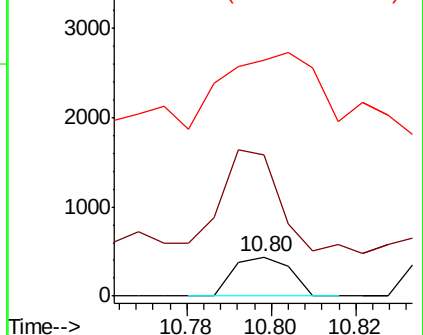
105 600.2 23.6 63.6#

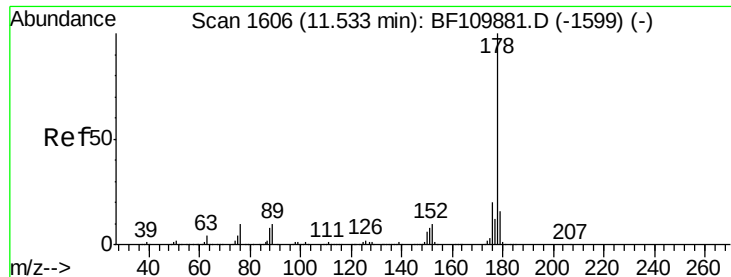


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

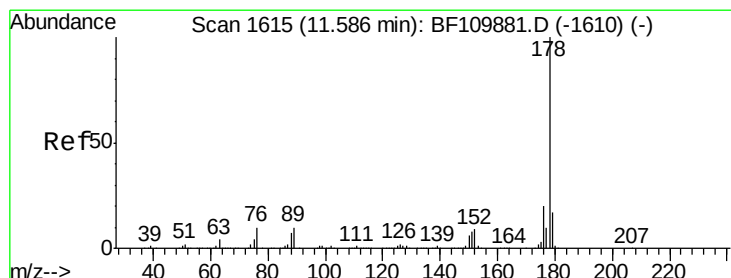
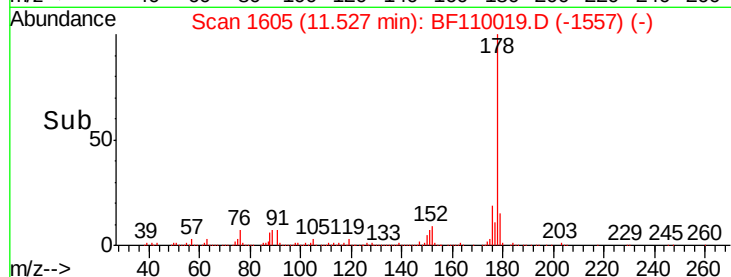
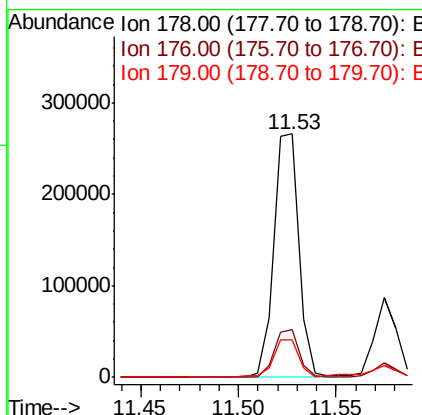
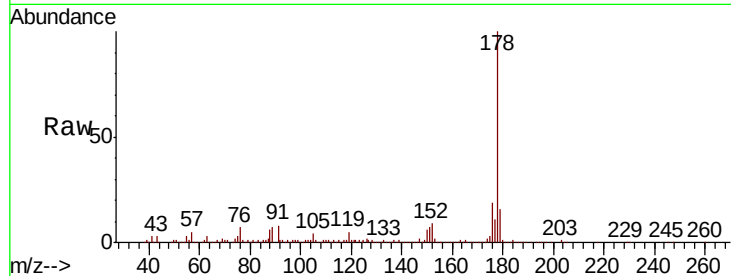




#71
Phenanthrene
Concen: 8.201 ng
RT: 11.53 min Scan# 1605
Delta R.T. -0.02 min
Lab File: BF110019.D
Acq: 19 Oct 2018 22:44

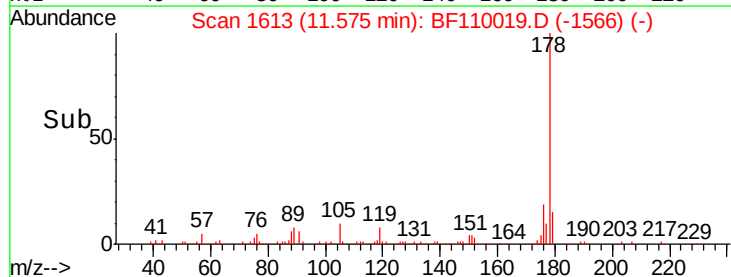
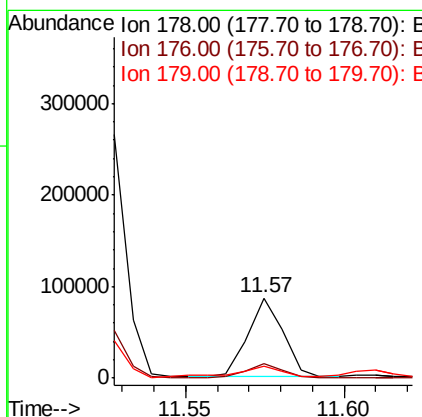
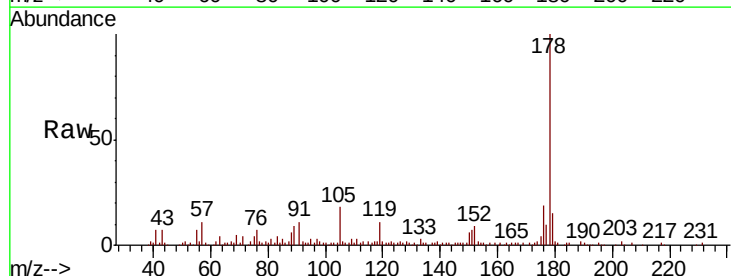
Instrument :
BNA_F
ClientSampleId :

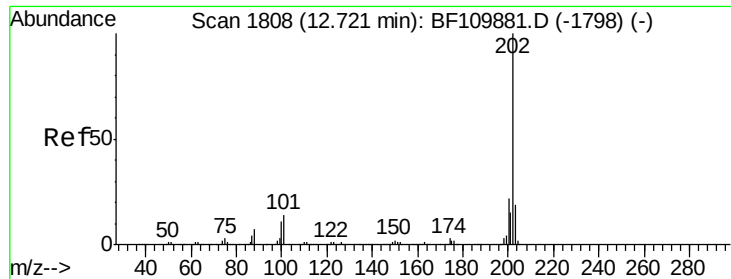
Tot Ion:178 Resp: 237952
Ion Ratio Lower Upper
178 100
176 19.4 15.5 23.3
179 15.6 12.5 18.7



#72
Anthracene
Concen: 2.302 ng
RT: 11.57 min Scan# 1613
Delta R.T. -0.02 min
Lab File: BF110019.D
Acq: 19 Oct 2018 22:44

Tgt Ion:178 Resp: 67150
Ion Ratio Lower Upper
178 100
176 18.9 15.4 23.2
179 15.5 12.6 18.8





#75

Fluoranthene

Concen: 12.802 ng

RT: 12.72 min Scan# 1807

Delta R.T. -0.02 min

Lab File: BF110019.D

Acq: 19 Oct 2018 22:44

Instrument :

BNA_F

ClientSampleId :

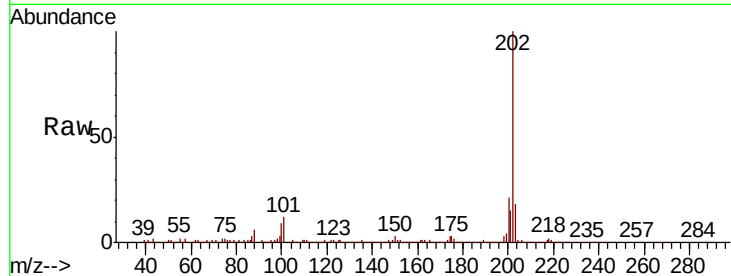
Tot Ion:202 Resp: 371082

Ion Ratio Lower Upper

202 100

101 12.0 0.0 31.4

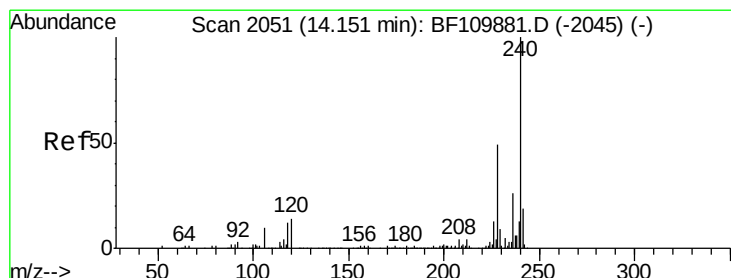
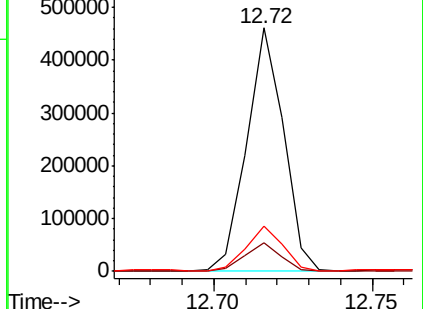
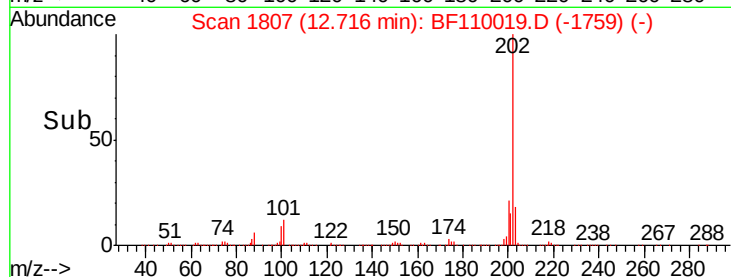
203 18.4 0.0 37.7



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.14 min Scan# 2050

Delta R.T. -0.02 min

Lab File: BF110019.D

Acq: 19 Oct 2018 22:44

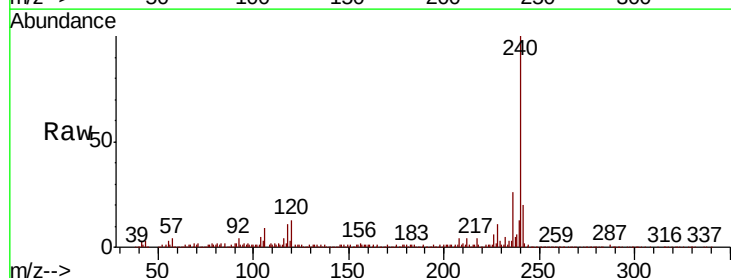
Tgt Ion:240 Resp: 394477

Ion Ratio Lower Upper

240 100

120 13.2 8.3 12.5#

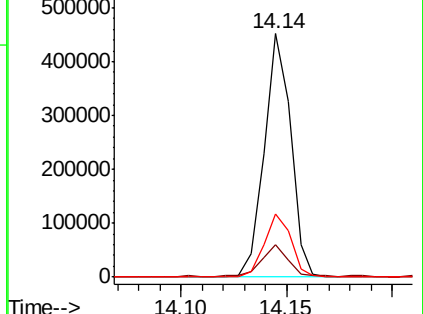
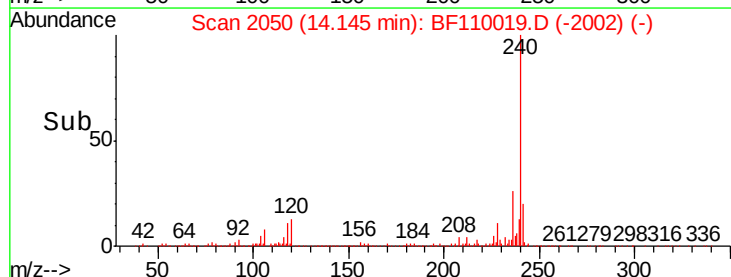
236 26.1 21.2 31.8

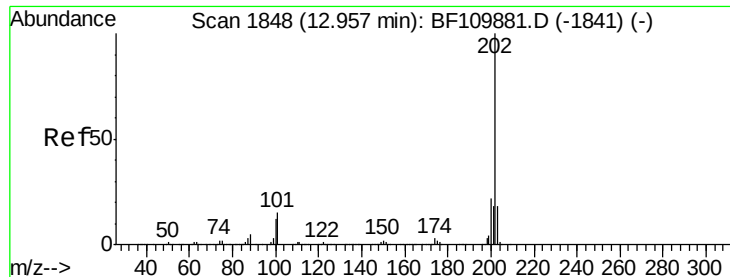


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 13.613 ng

RT: 12.95 min Scan# 1846

Delta R.T. -0.02 min

Lab File: BF110019.D

Acq: 19 Oct 2018 22:44

Instrument :

BNA_F

ClientSampleId :

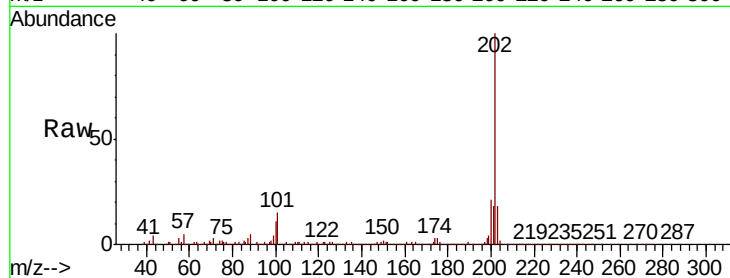
Tot Ion:202 Resp: 394398

Ion Ratio Lower Upper

202 100

200 21.1 17.8 26.6

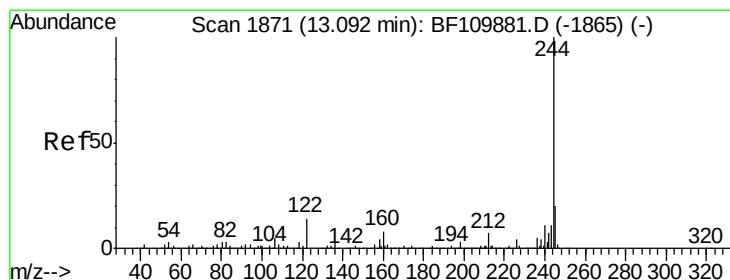
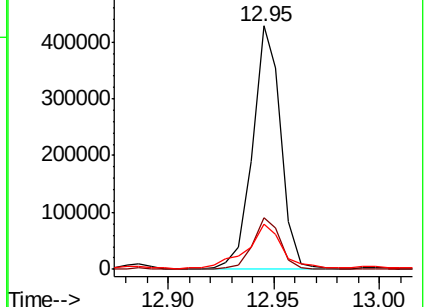
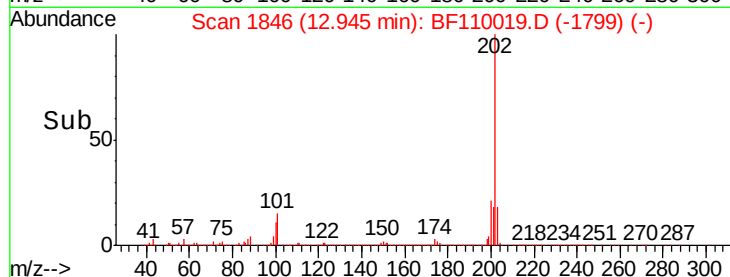
203 18.4 14.2 21.4



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: 29.859 ng

RT: 13.09 min Scan# 1870

Delta R.T. -0.02 min

Lab File: BF110019.D

Acq: 19 Oct 2018 22:44

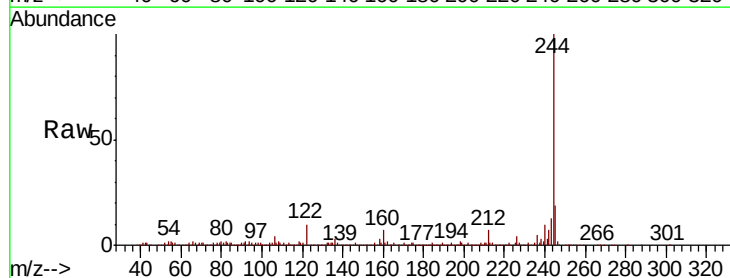
Tgt Ion:244 Resp: 560912

Ion Ratio Lower Upper

244 100

212 6.5 5.8 8.8

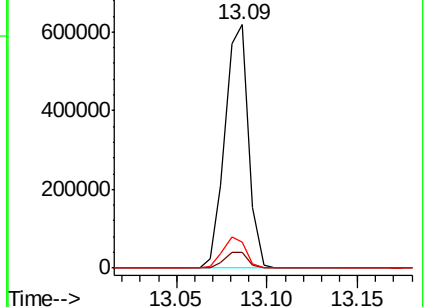
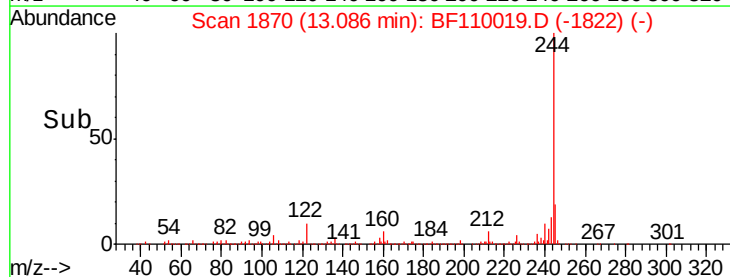
122 10.5 8.7 13.1

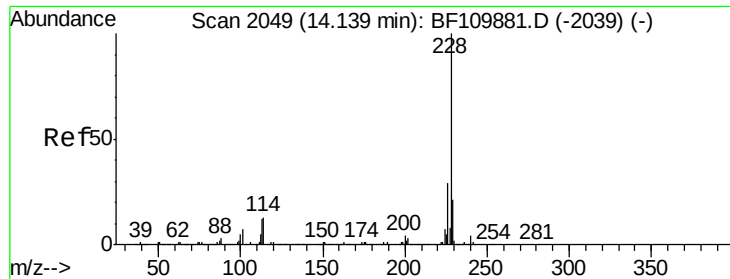


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

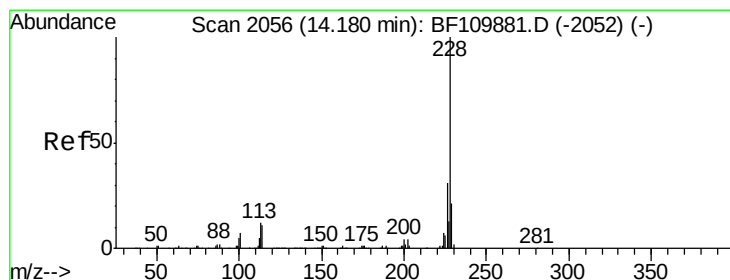
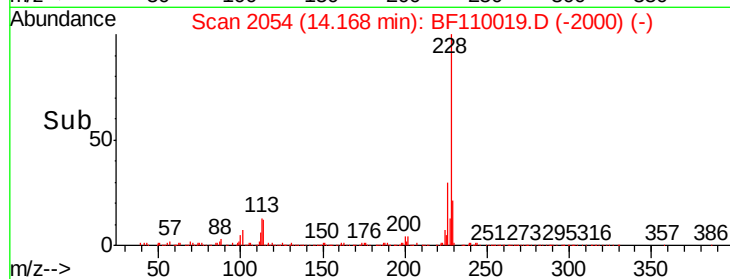
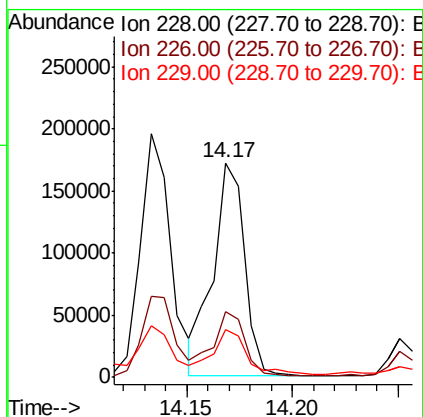
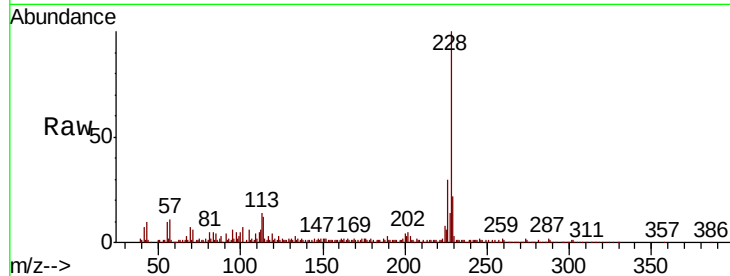




#81
Benzo(a)anthracene
Concen: 7.684 ng
RT: 14.17 min Scan# 2054
Delta R.T. 0.02 min
Lab File: BF110019.D
Acq: 19 Oct 2018 22:44

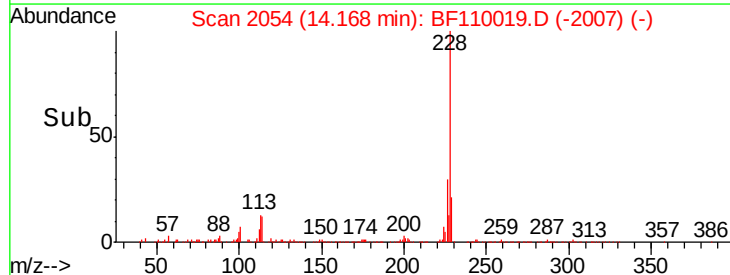
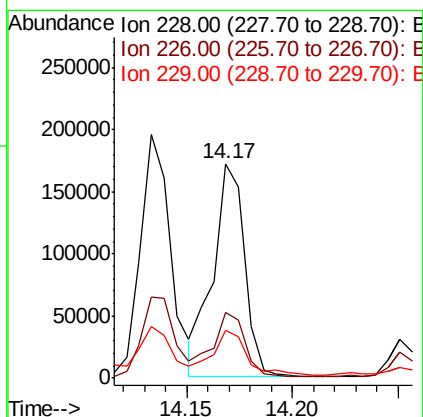
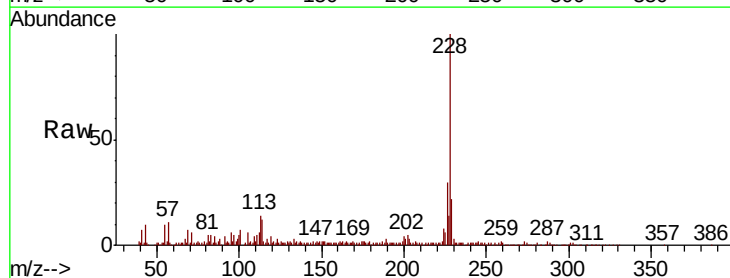
Instrument :
BNA_F
ClientSampleId :

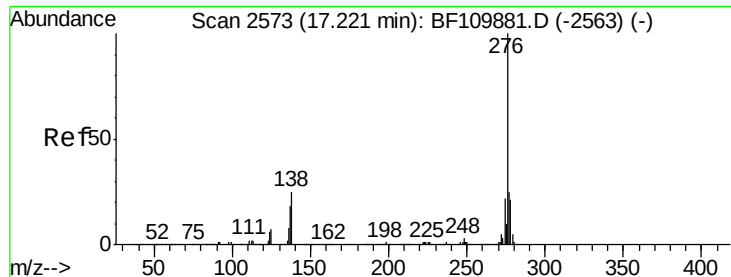
Tot Ion:228 Resp: 178547
Ion Ratio Lower Upper
228 100
226 30.4 22.1 33.1
229 22.2 15.6 23.4



#83
Chrysene
Concen: 8.073 ng
RT: 14.17 min Scan# 2054
Delta R.T. -0.02 min
Lab File: BF110019.D
Acq: 19 Oct 2018 22:44

Tgt Ion:228 Resp: 178547
Ion Ratio Lower Upper
228 100
226 30.4 24.7 37.1
229 22.2 15.9 23.9

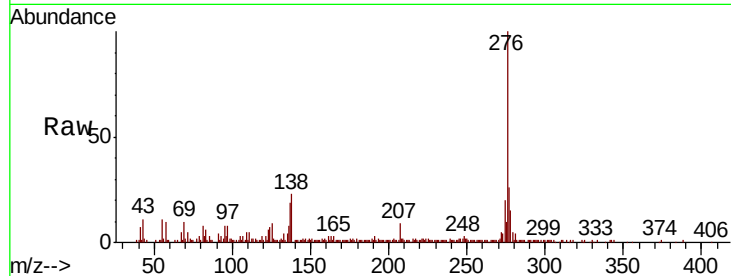




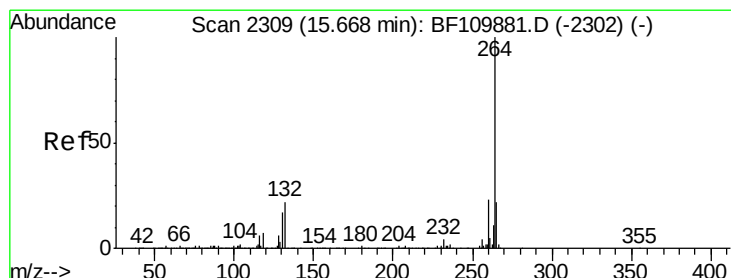
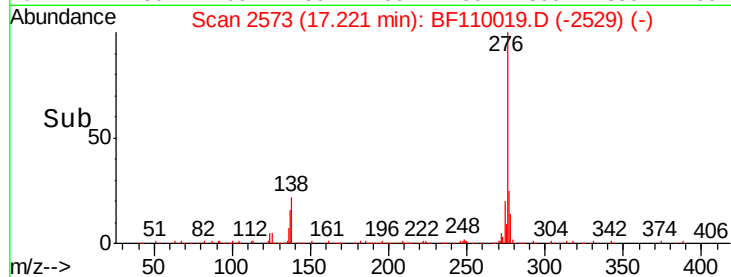
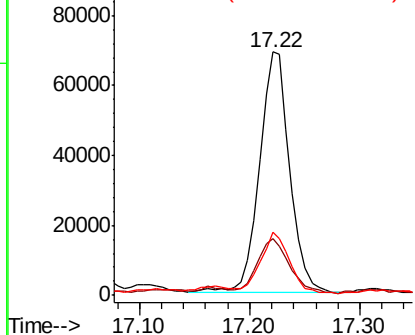
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 7.387 ng
 RT: 17.22 min Scan# 2573
 Delta R.T. -0.04 min
 Lab File: BF110019.D
 Acq: 19 Oct 2018 22:44

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	24.4	18.5	27.7
277	23.8	20.0	30.0

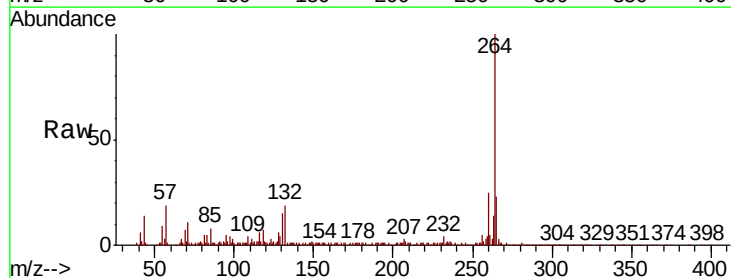


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

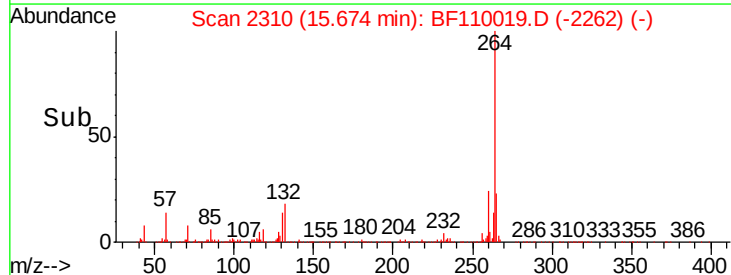
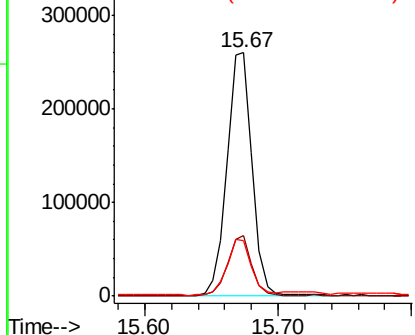


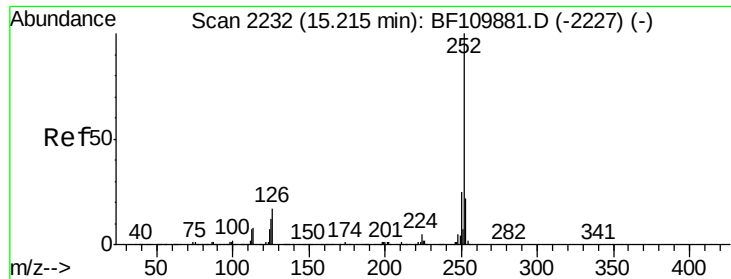
#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.67 min Scan# 2310
 Delta R.T. -0.02 min
 Lab File: BF110019.D
 Acq: 19 Oct 2018 22:44

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.8	18.7	28.1
265	23.0	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

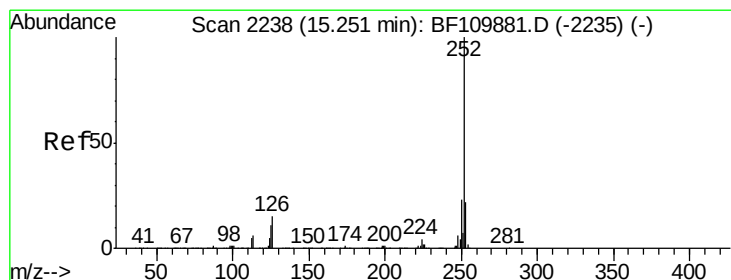
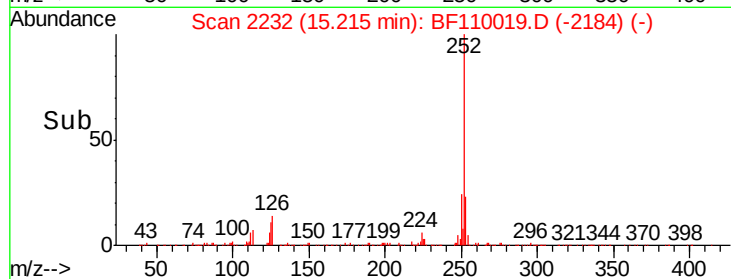
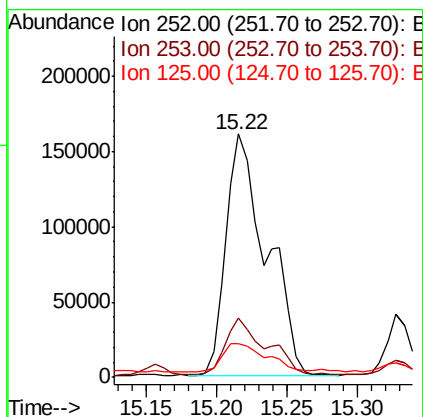
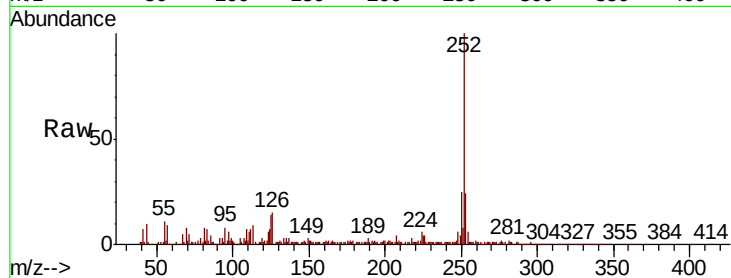




#88
Benzo(b)fluoranthene
Concen: 16.419 ng
RT: 15.22 min Scan# 2232
Delta R.T. -0.02 min
Lab File: BF110019.D
Acq: 19 Oct 2018 22:44

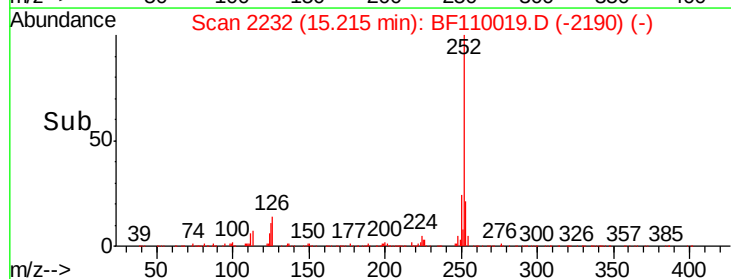
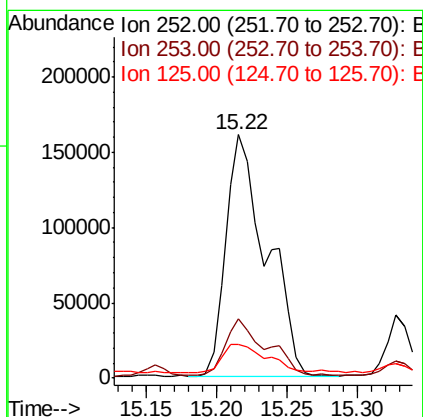
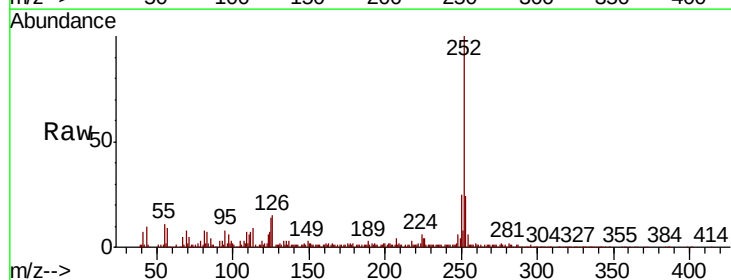
Instrument :
BNA_F
ClientSampleId :

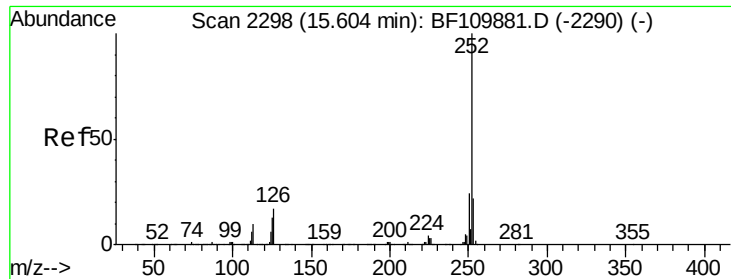
Tot Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.2	25.8
125	14.0	8.2	12.4



#89
Benzo(k)fluoranthene
Concen: 16.658 ng
RT: 15.22 min Scan# 2232
Delta R.T. -0.05 min
Lab File: BF110019.D
Acq: 19 Oct 2018 22:44

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.2	25.8
125	14.0	7.4	11.0





#90

Benzo(a)pyrene

Concen: 11.044 ng

RT: 15.60 min Scan# 2298

Delta R.T. -0.02 min

Lab File: BF110019.D

Acq: 19 Oct 2018 22:44

Instrument :

BNA_F

ClientSampled :

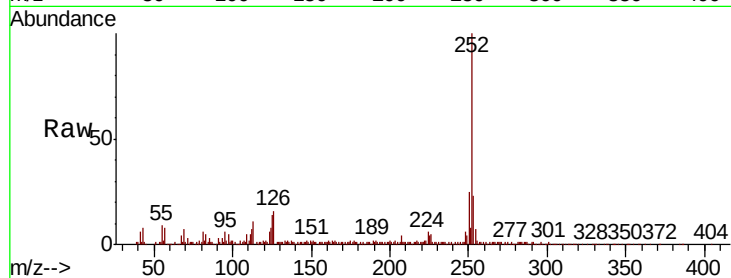
Tot Ion:252 Resp: 200179

Ion Ratio Lower Upper

252 100

253 23.3 18.2 27.4

125 14.1 9.0 13.6#

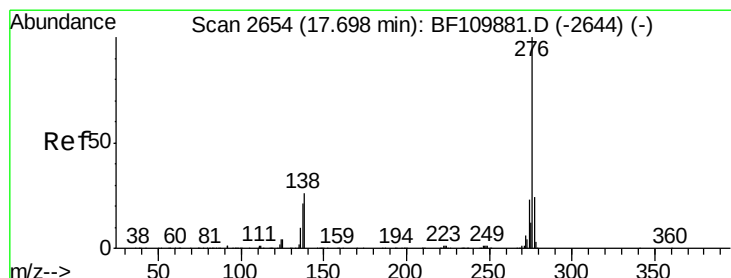
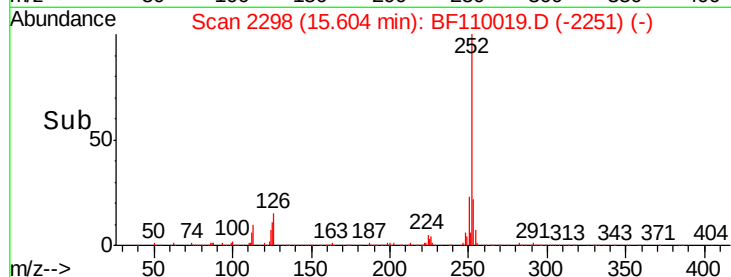
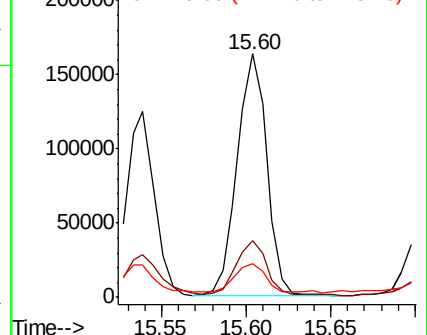


Abundance

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



#92

Benzo(g,h,i)perylene

Concen: 9.485 ng

RT: 17.70 min Scan# 2654

Delta R.T. -0.04 min

Lab File: BF110019.D

Acq: 19 Oct 2018 22:44

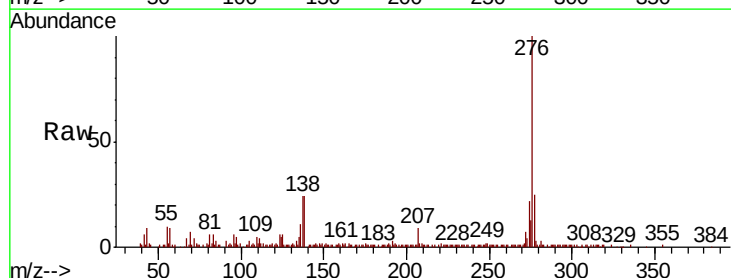
Tgt Ion:276 Resp: 153949

Ion Ratio Lower Upper

276 100

277 25.1 18.8 28.2

138 23.8 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

