

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102218\
 Data File : BF110047.D
 Acq On : 22 Oct 2018 14:30
 Operator : JU/SJ
 Sample : J5198-05RE 2X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 23 02:08:35 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

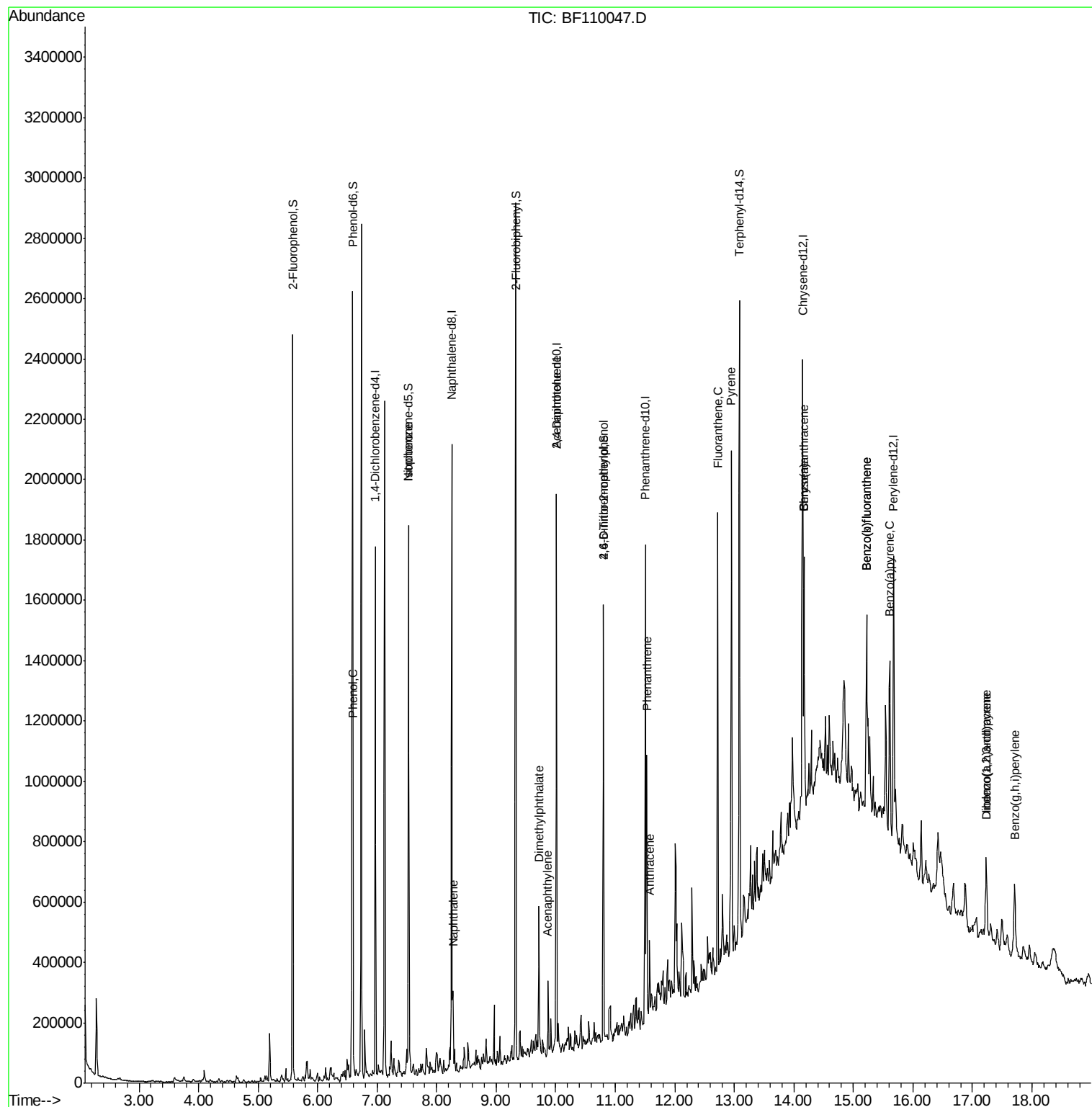
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	220339	20.00	ng	-0.01
21) Naphthalene-d8	8.25	136	847120	20.00	ng	-0.02
39) Acenaphthene-d10	10.01	164	347064	20.00	ng	-0.02
64) Phenanthrene-d10	11.50	188	539869	20.00	ng	-0.01
76) Chrysene-d12	14.15	240	415959	20.00	ng	-0.01
87) Perylene-d12	15.67	264	342204	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	681284	49.01	ng	-0.02
7) Phenol-d6	6.59	99	846020	49.01	ng	-0.02
23) Nitrobenzene-d5	7.53	82	521882	41.50	ng	-0.02
42) 2,4,6-Tribromophenol	10.80	330	143859	47.88	ng	-0.02
45) 2-Fluorobiphenyl	9.33	172	889087	40.88	ng	-0.01
79) Terphenyl-d14	13.09	244	650056	32.82	ng	-0.02
Target Compounds						
10) Phenol	6.60	94	81730	4.386	ng	# 62
25) Isophorone	7.53	82	520354	21.059	ng	# 67
31) Naphthalene	8.27	128	97107	2.500	ng	98
49) Acenaphthylene	9.87	152	84181	2.544	ng	97
50) Dimethylphthalate	9.72	163	129510	5.270	ng	99
57) 2,4-Dinitrotoluene	10.01	165	46650	11.739	ng	# 19
65) 4,6-Dinitro-2-methylphenol	10.80	198	448	8.096	ng	# 1
71) Phenanthrene	11.53	178	298867	10.693	ng	100
72) Anthracene	11.57	178	82536	2.937	ng	99
75) Fluoranthene	12.72	202	600029	21.490	ng	99
78) Pyrene	12.95	202	637270	20.859	ng	99
81) Benzo(a)anthracene	14.17	228	289626	11.821	ng	94
83) Chrysene	14.17	228	289626	12.419	ng	98
86) Indeno(1,2,3-cd)pyrene	17.23	276	189399	10.087	ng	99
88) Benzo(b)fluoranthene	15.22	252	484906	24.579	ng	# 95
89) Benzo(k)fluoranthene	15.22	252	484906	24.936	ng	# 94
90) Benzo(a)pyrene	15.61	252	279765	15.418	ng	# 95
91) Dibenzo(a,h)anthracene	17.24	278	43518	2.706	ng	# 81
92) Benzo(a,h,i)perylene	17.71	276	201552	12.405	ng	# 95

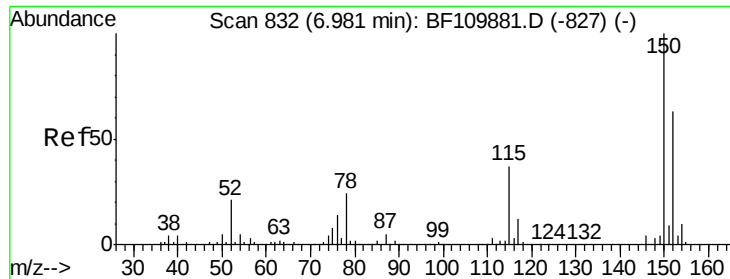
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BNA_F
ClientSampled :

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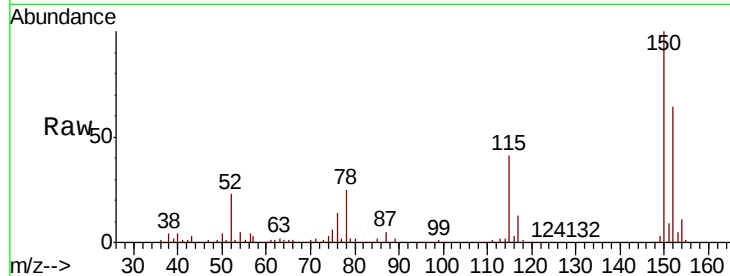


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. -0.01 min
Lab File: BF110047.D
Acq: 22 Oct 2018 14:30

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.8	122.7	184.1
115	64.8	49.1	73.7

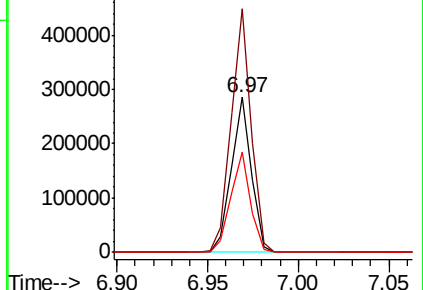
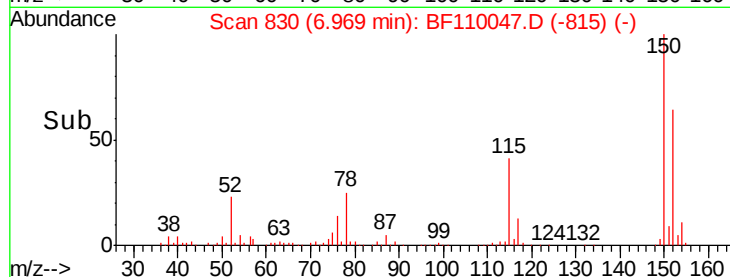


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

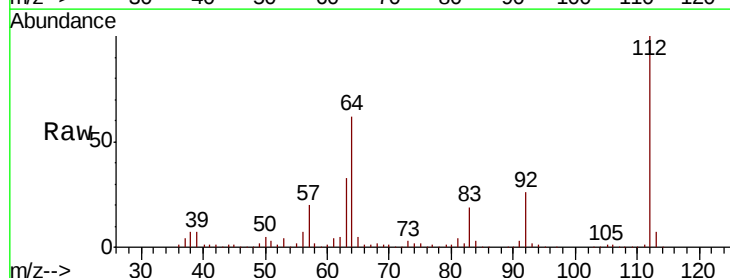
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 49.012 ng
RT: 5.58 min Scan# 594
Delta R.T. -0.02 min
Lab File: BF110047.D
Acq: 22 Oct 2018 14:30

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.6	44.1	66.1
63	33.3	23.7	35.5

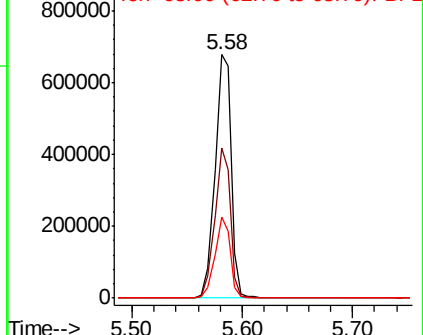
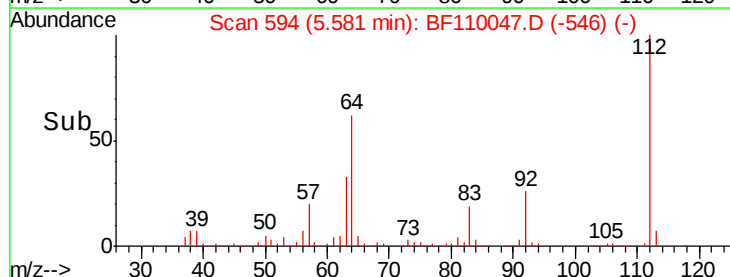


Abundance

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: 49.015 ng

RT: 6.59 min Scan# 765

Delta R.T. -0.02 min

Lab File: BF110047.D

Acq: 22 Oct 2018 14:30

Instrument :

BNA_F

ClientSampled :

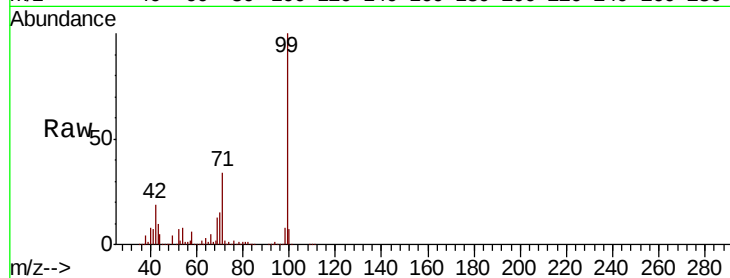
Tot Ion: 99 Resp: 846020

Ion Ratio Lower Upper

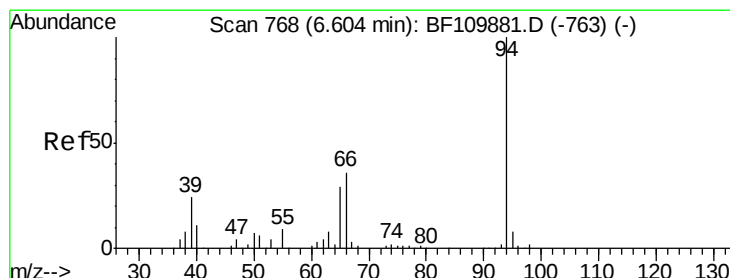
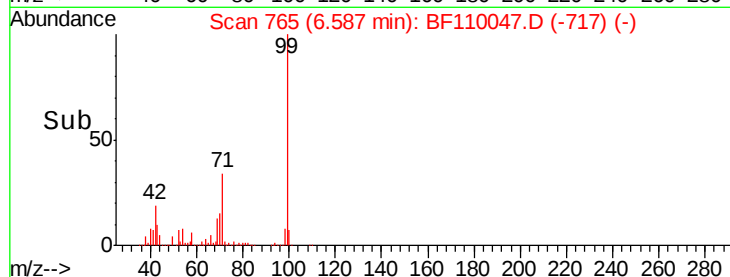
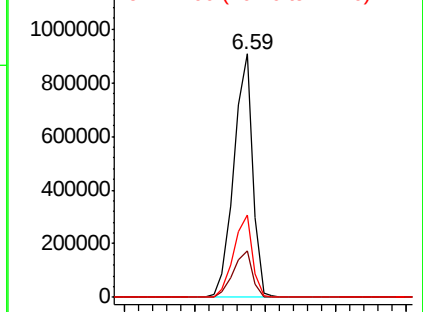
99 100

42 19.3 15.8 23.6

71 33.9 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: 4.386 ng

RT: 6.60 min Scan# 767

Delta R.T. -0.02 min

Lab File: BF110047.D

Acq: 22 Oct 2018 14:30

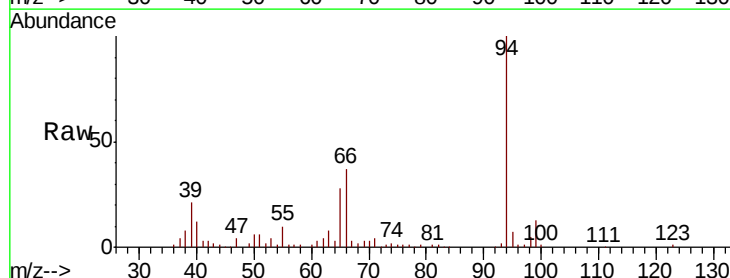
Tgt Ion: 94 Resp: 81730

Ion Ratio Lower Upper

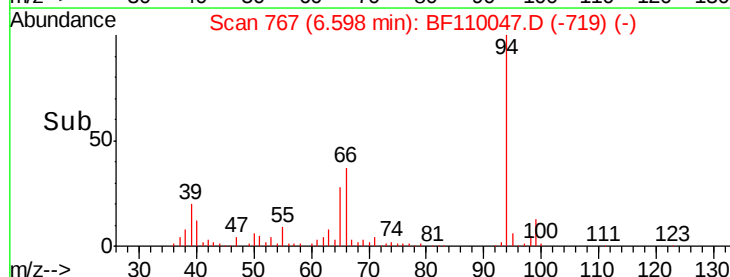
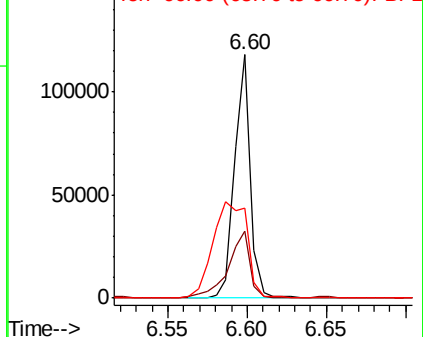
94 100

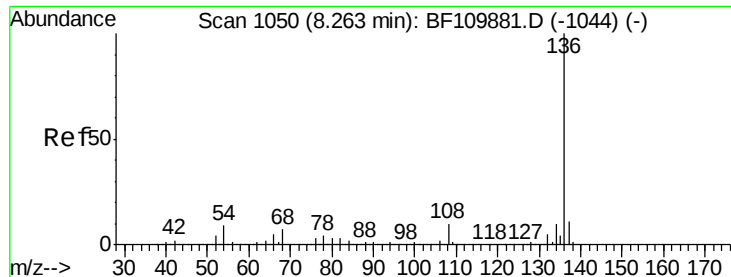
65 27.6 25.3 65.3

66 37.0 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





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.25 min Scan# 1048

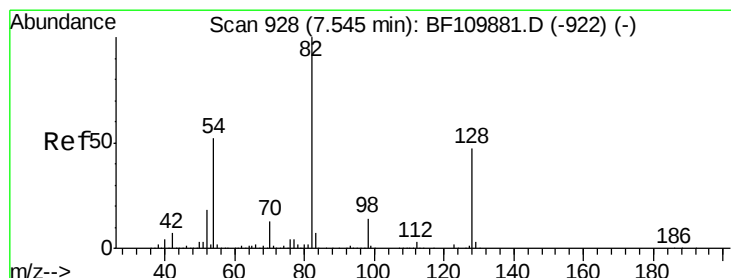
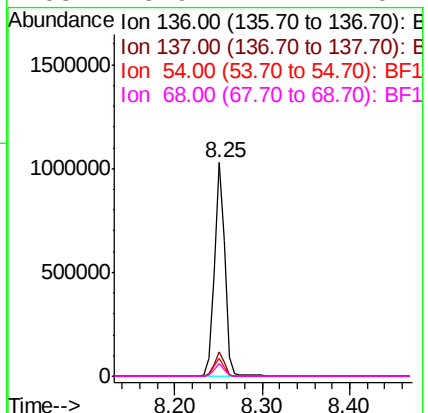
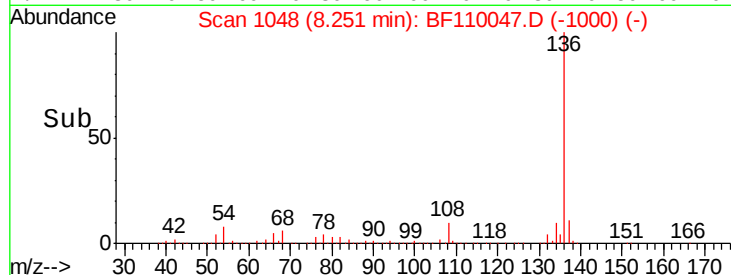
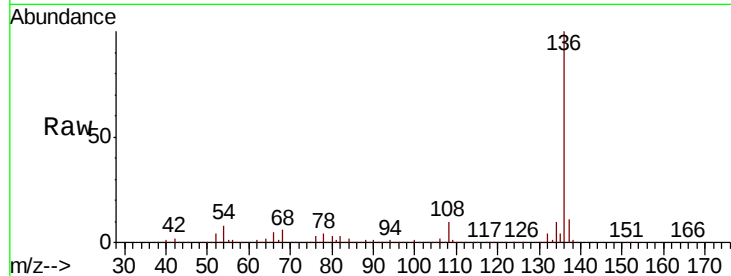
Delta R.T. -0.02 min

Lab File: BF110047.D

Acq: 22 Oct 2018 14:30

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	847120
Ion	Ratio	Lower Upper
136	100	
137	11.5	8.8 13.2
54	8.4	5.4 8.2#
68	5.9	4.2 6.2



#23

Nitrobenzene-d5

Concen: 41.501 ng

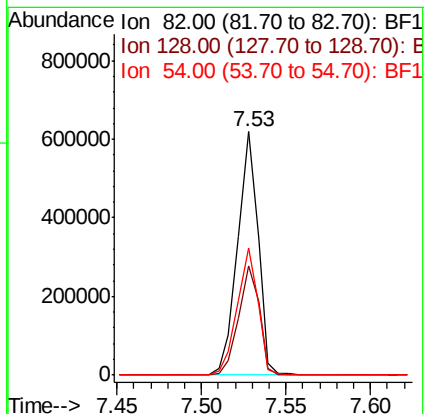
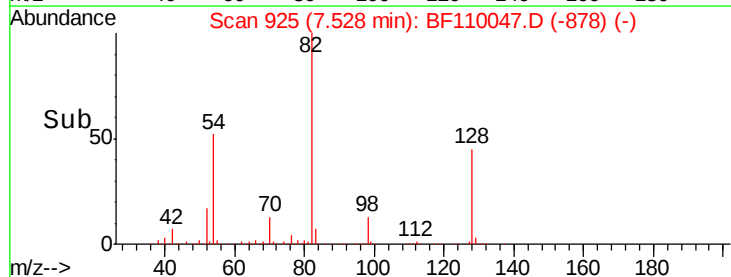
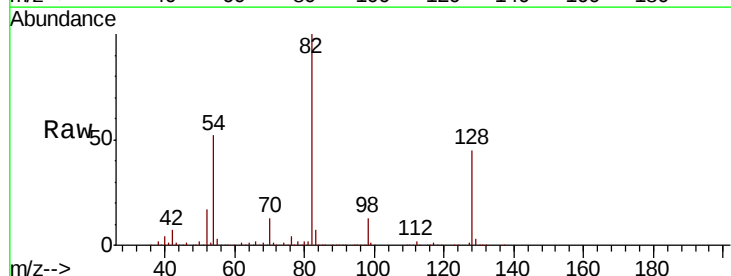
RT: 7.53 min Scan# 925

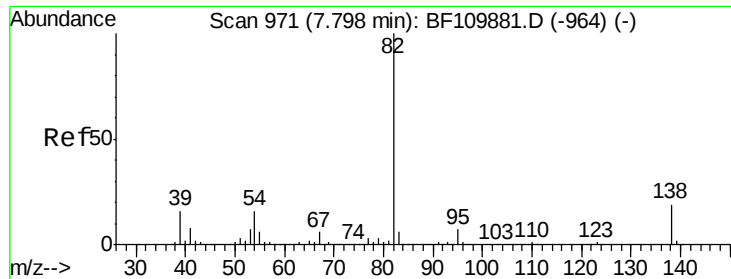
Delta R.T. -0.02 min

Lab File: BF110047.D

Acq: 22 Oct 2018 14:30

Tgt Ion: 82	Resp:	521882
Ion	Ratio	Lower Upper
82	100	
128	45.1	34.2 51.2
54	52.0	38.6 58.0





#25

Isophorone

Concen: 21.059 ng

RT: 7.53 min Scan# 925

Delta R.T. -0.28 min

Lab File: BF110047.D

Acq: 22 Oct 2018 14:30

Instrument :

BNA_F

ClientSampleId :

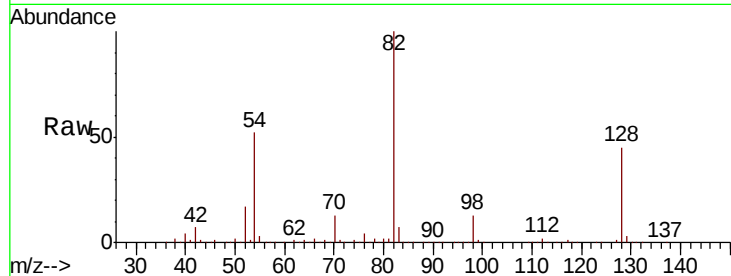
Tot Ion: 82 Resp: 520354

Ion Ratio Lower Upper

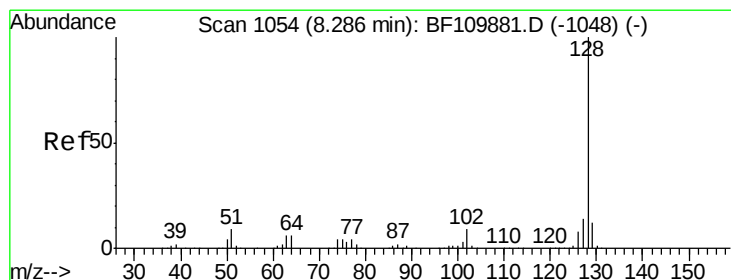
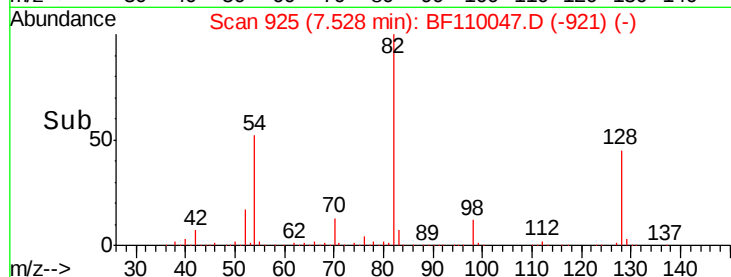
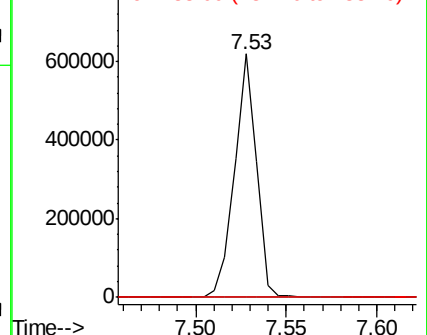
82 100

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): E



#31

Naphthalene

Concen: 2.500 ng

RT: 8.27 min Scan# 1052

Delta R.T. -0.02 min

Lab File: BF110047.D

Acq: 22 Oct 2018 14:30

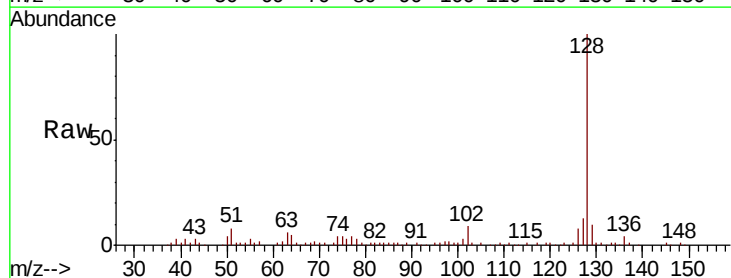
Tgt Ion: 128 Resp: 97107

Ion Ratio Lower Upper

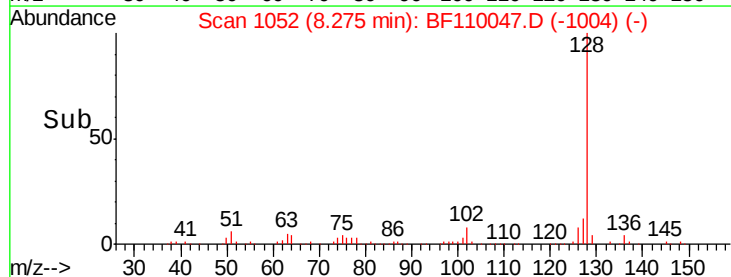
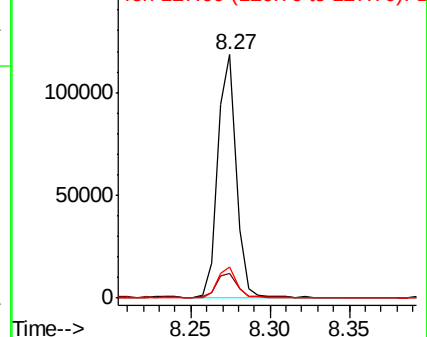
128 100

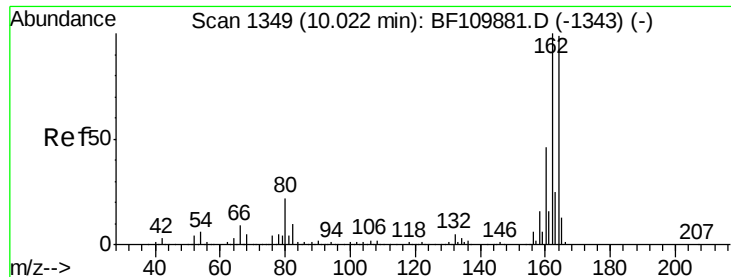
129 10.2 8.8 13.2

127 12.9 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

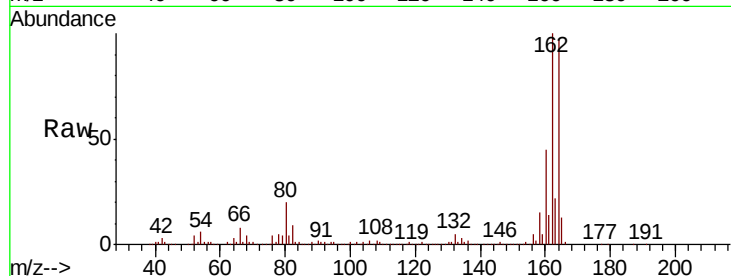




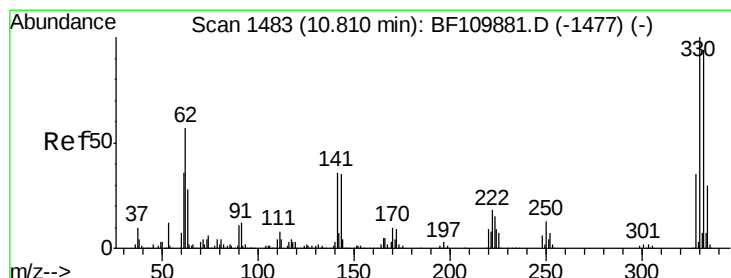
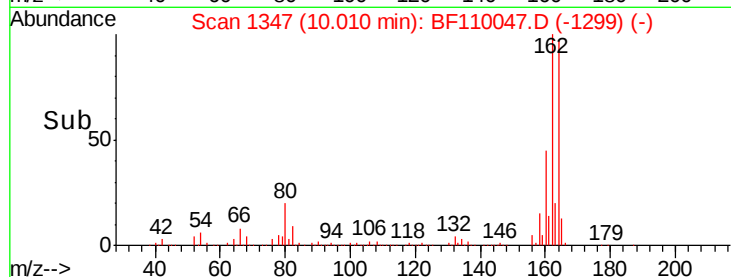
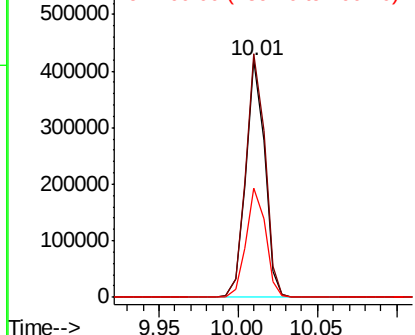
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.01 min Scan# 1347
Delta R.T. -0.02 min
Lab File: BF110047.D
Acq: 22 Oct 2018 14:30

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 347064
Ion Ratio Lower Upper
164 100
162 102.9 83.0 124.6
160 45.9 37.0 55.6

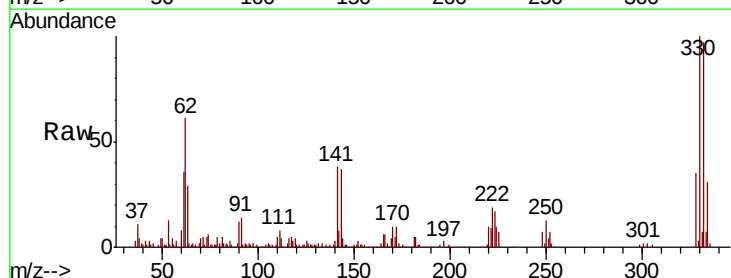


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

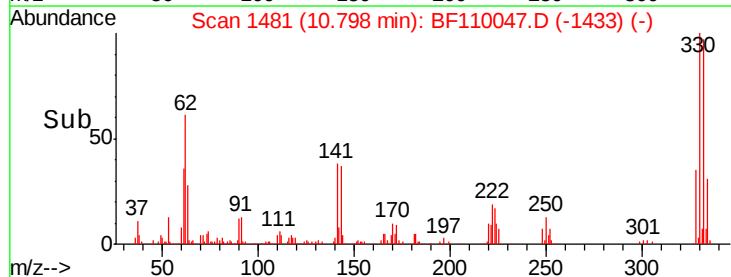
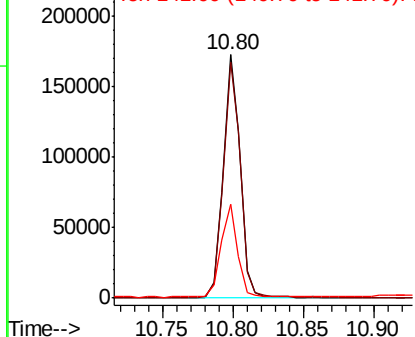


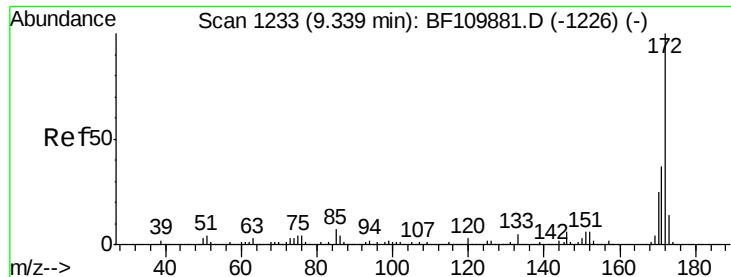
#42
2,4,6-Tribromophenol
Concen: 47.877 ng
RT: 10.80 min Scan# 1481
Delta R.T. -0.02 min
Lab File: BF110047.D
Acq: 22 Oct 2018 14:30

Tgt Ion:330 Resp: 143859
Ion Ratio Lower Upper
330 100
332 97.8 77.1 115.7
141 37.7 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

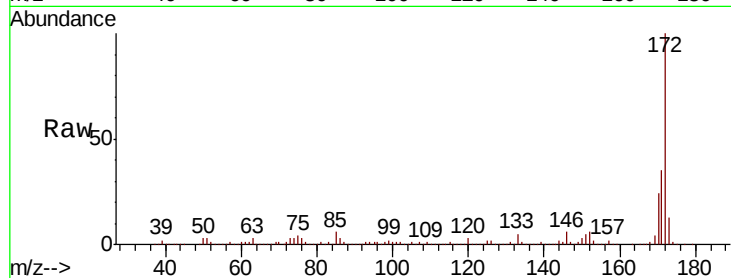




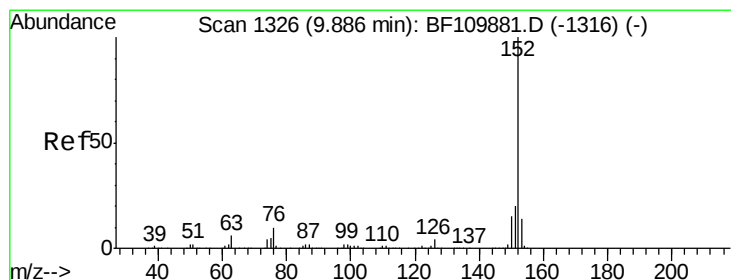
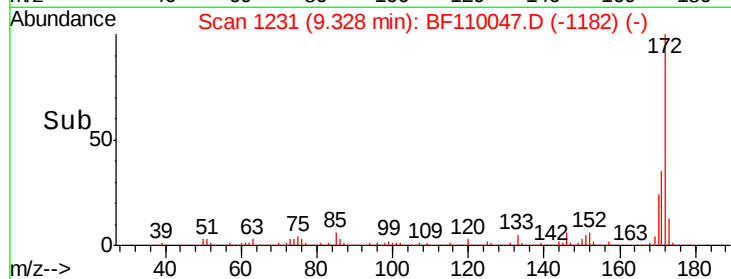
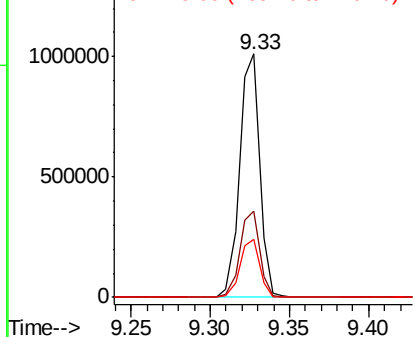
#45
2-Fluorobiphenyl
Concen: 40.877 ng
RT: 9.33 min Scan# 1231
Delta R.T. -0.01 min
Lab File: BF110047.D
Acq: 22 Oct 2018 14:30

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.6	43.0
170	23.7	19.7	29.5

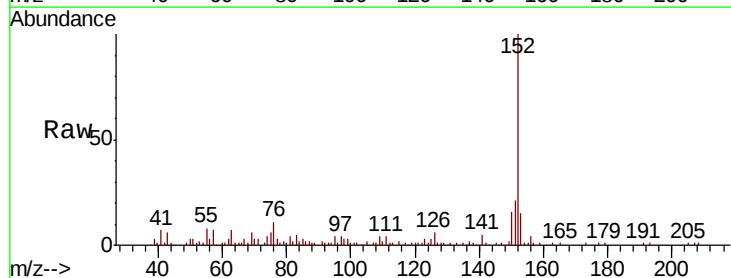


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

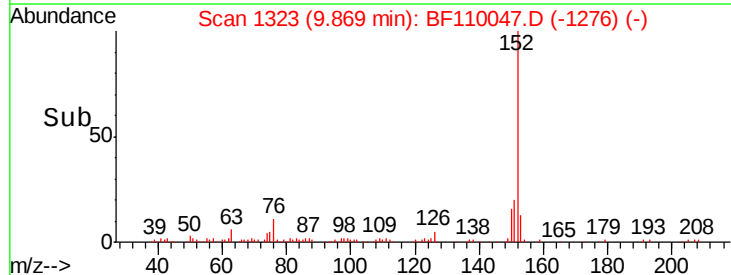
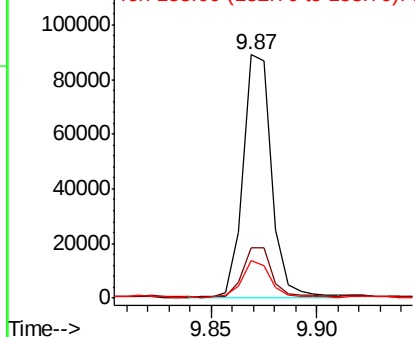


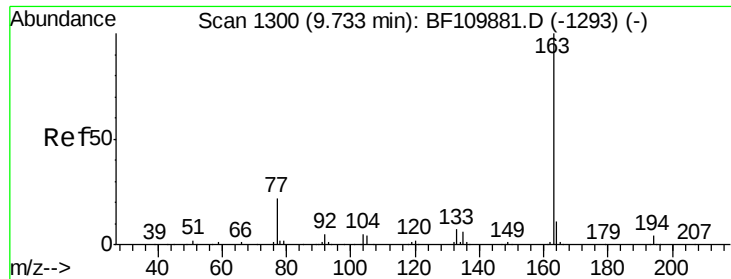
#49
Acenaphthylene
Concen: 2.544 ng
RT: 9.87 min Scan# 1323
Delta R.T. -0.02 min
Lab File: BF110047.D
Acq: 22 Oct 2018 14:30

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.5	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

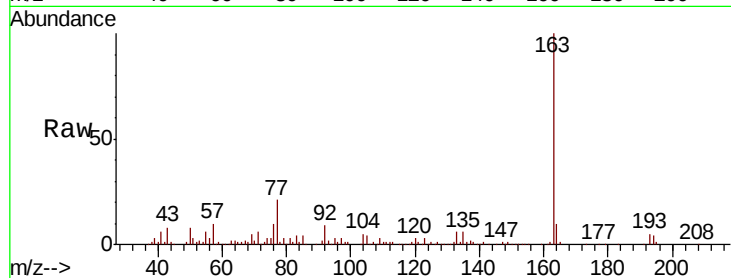




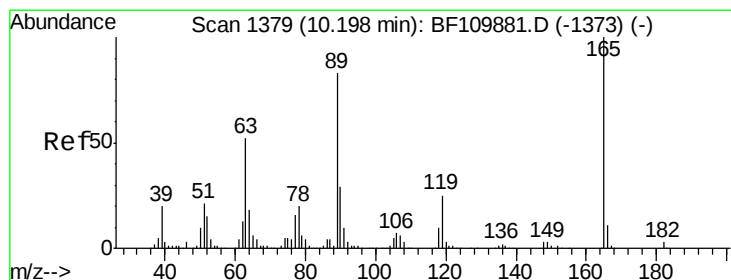
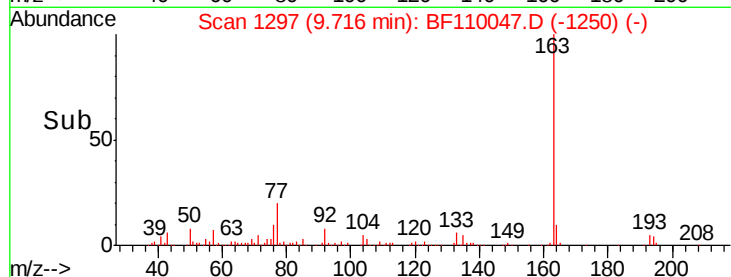
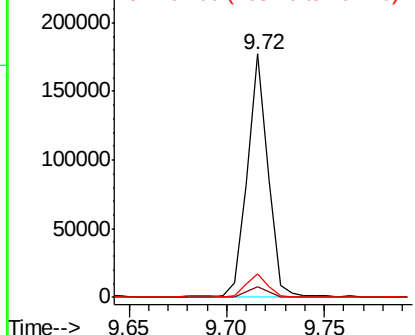
#50
Dimethylphthalate
Concen: 5.270 ng
RT: 9.72 min Scan# 1297
Delta R.T. -0.02 min
Lab File: BF110047.D
Acq: 22 Oct 2018 14:30

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 129510
Ion Ratio Lower Upper
163 100
194 4.3 3.2 4.8
164 9.8 8.1 12.1

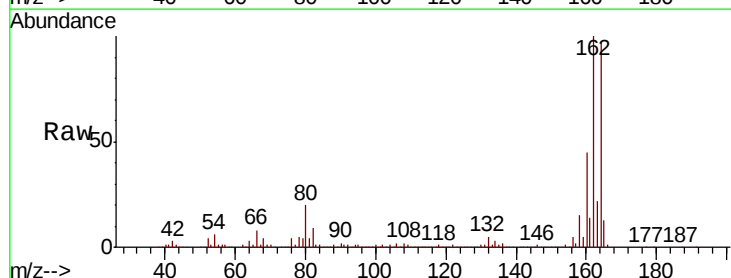


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

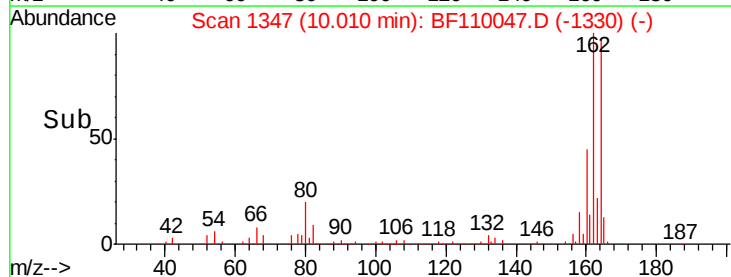
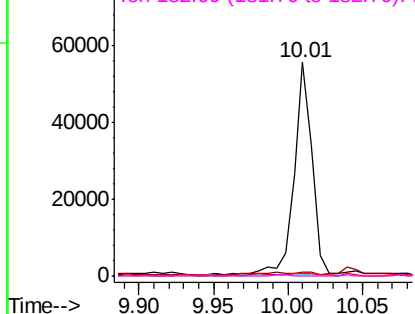


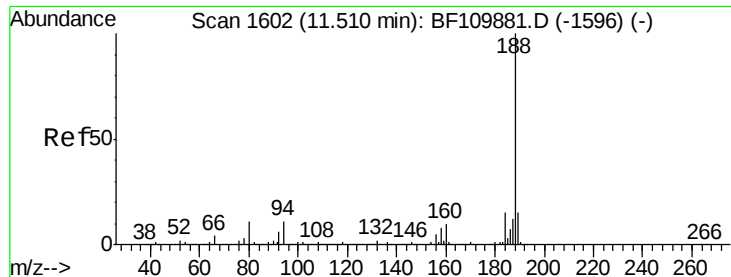
#57
2,4-Dinitrotoluene
Concen: 11.739 ng
RT: 10.01 min Scan# 1347
Delta R.T. -0.20 min
Lab File: BF110047.D
Acq: 22 Oct 2018 14:30

Tgt Ion:165 Resp: 46650
Ion Ratio Lower Upper
165 100
63 1.9 44.8 67.2#
89 1.4 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: BF110047.D

Acq: 22 Oct 2018 14:30

Instrument :

BNA_F

ClientSampleId :

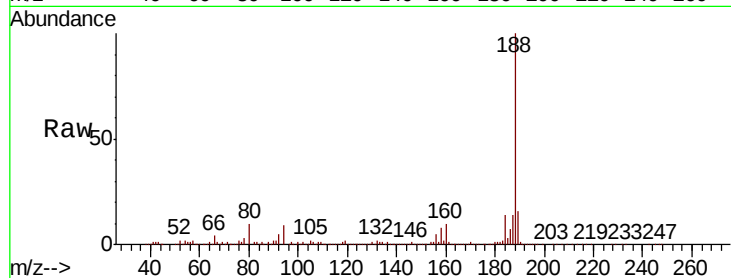
Tot Ion:188 Resp: 539869

Ion Ratio Lower Upper

188 100

94 9.0 7.2 10.8

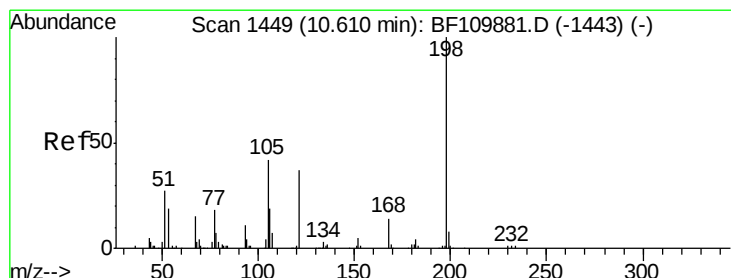
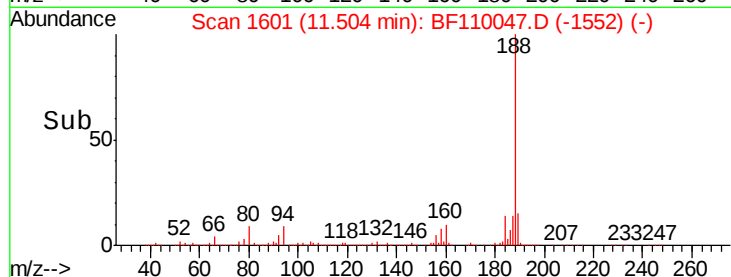
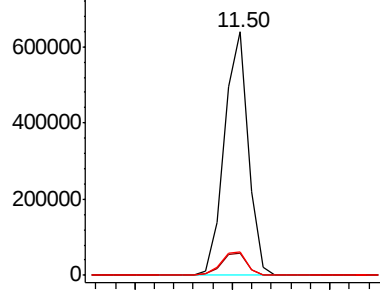
80 9.6 7.9 11.9



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: 8.096 ng

RT: 10.80 min Scan# 1481

Delta R.T. 0.18 min

Lab File: BF110047.D

Acq: 22 Oct 2018 14:30

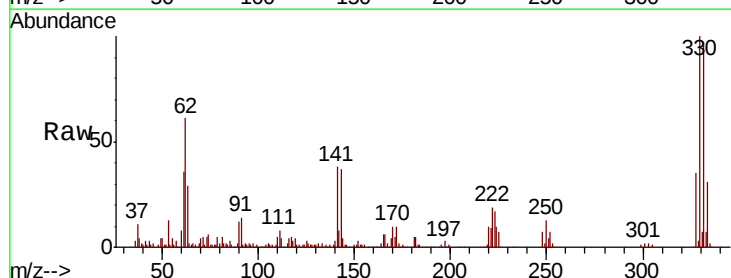
Tgt Ion:198 Resp: 448

Ion Ratio Lower Upper

198 100

51 289.2 22.8 62.8#

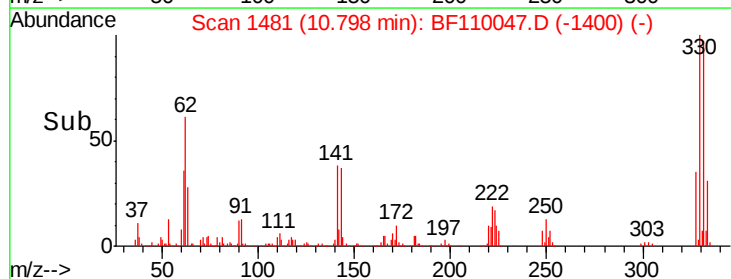
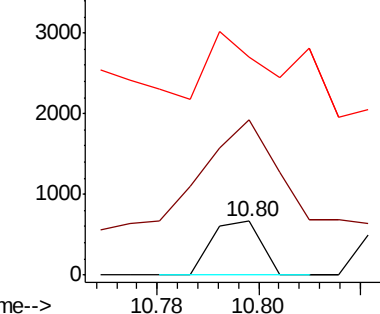
105 406.5 23.6 63.6#

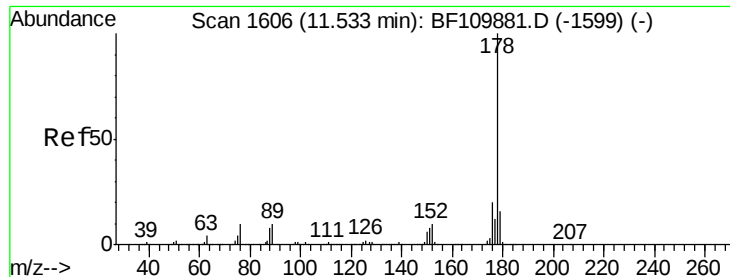


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

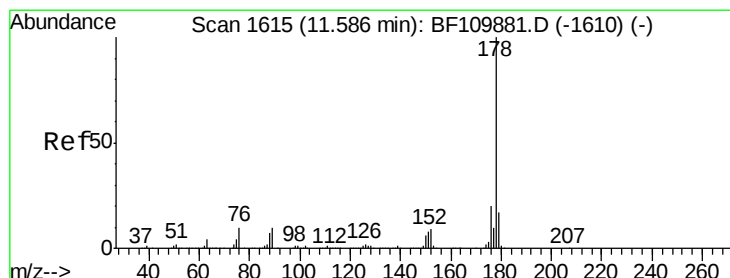
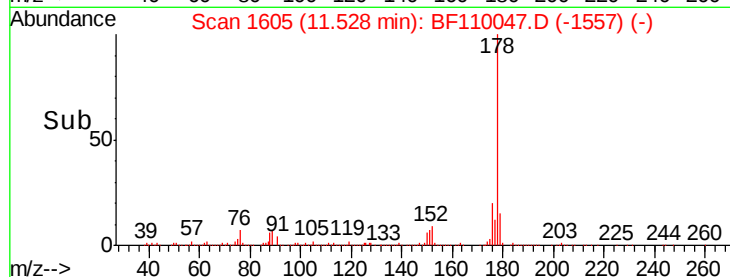
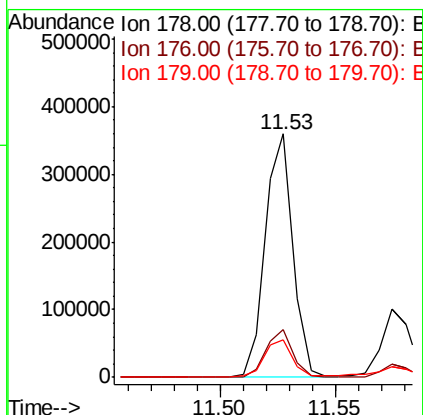
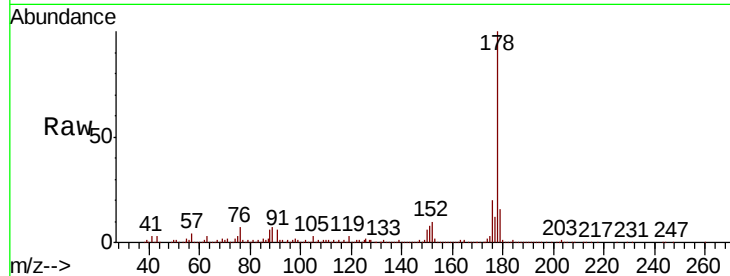




#71
Phenanthrene
Concen: 10.693 ng
RT: 11.53 min Scan# 1605
Delta R.T. -0.02 min
Lab File: BF110047.D
Acq: 22 Oct 2018 14:30

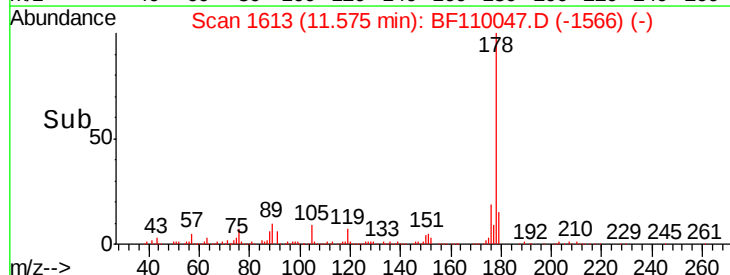
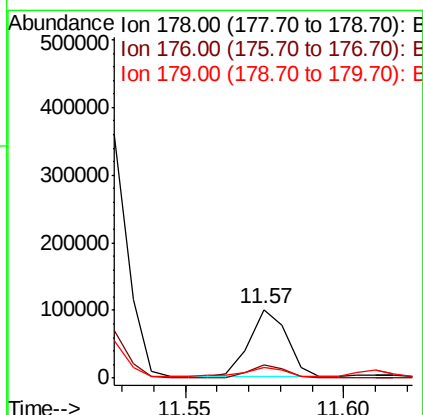
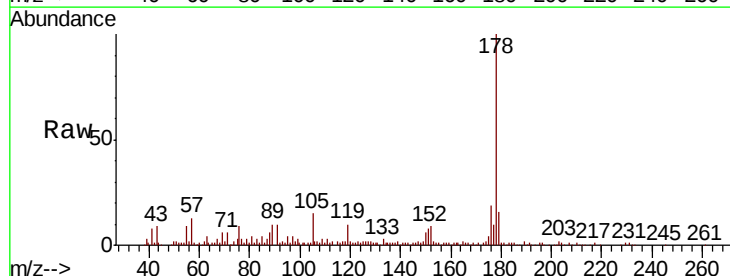
Instrument :
BNA_F
ClientSampleId :

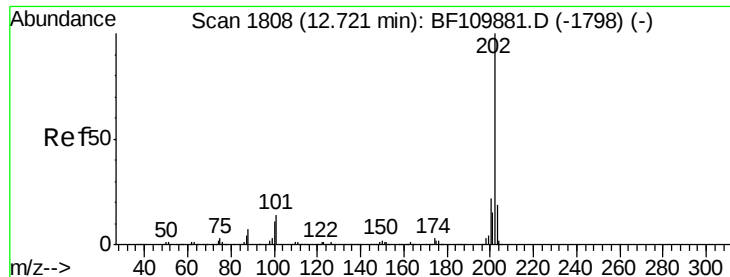
Tot Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.5	23.3
179	15.6	12.5	18.7



#72
Anthracene
Concen: 2.937 ng
RT: 11.57 min Scan# 1613
Delta R.T. -0.02 min
Lab File: BF110047.D
Acq: 22 Oct 2018 14:30

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.2
179	16.0	12.6	18.8





#75

Fluoranthene

Concen: 21.490 ng

RT: 12.72 min Scan# 1808

Delta R.T. -0.01 min

Lab File: BF110047.D

Acq: 22 Oct 2018 14:30

Instrument :

BNA_F

ClientSampleId :

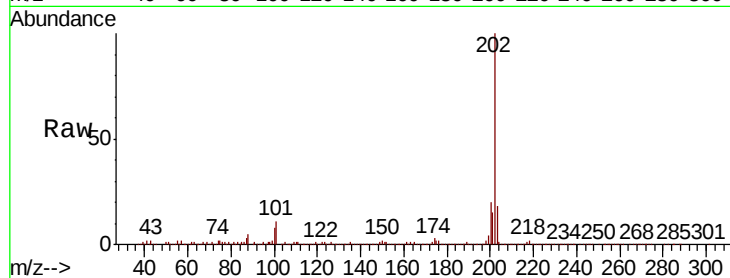
Tot Ion:202 Resp: 600029

Ion Ratio Lower Upper

202 100

101 10.6 0.0 31.4

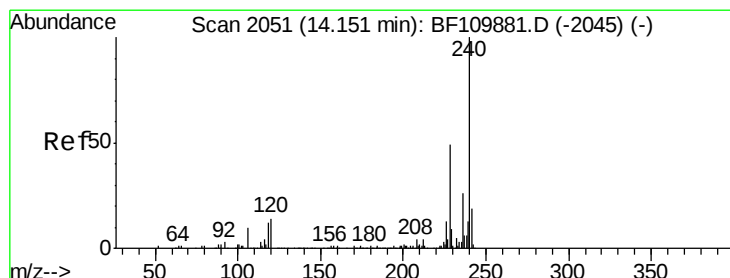
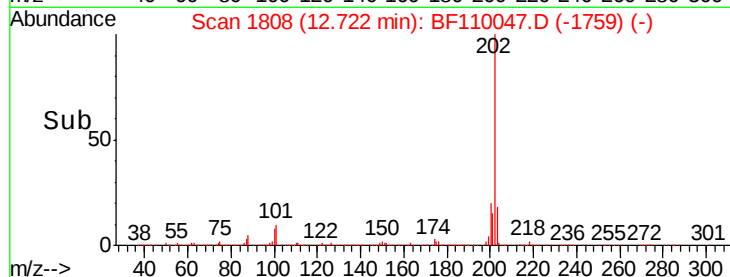
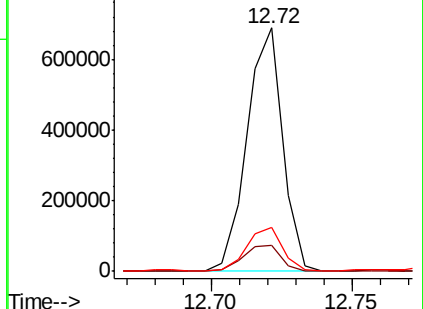
203 17.8 0.0 37.7



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: BF110047.D

Acq: 22 Oct 2018 14:30

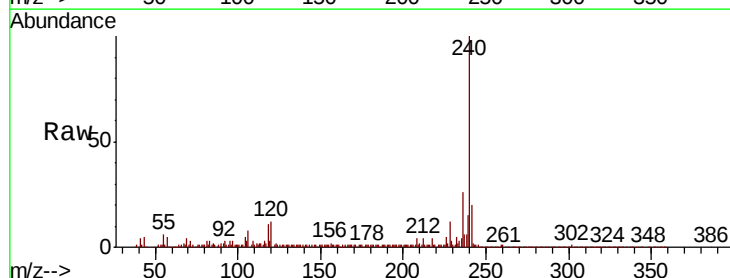
Tgt Ion:240 Resp: 415959

Ion Ratio Lower Upper

240 100

120 11.8 8.3 12.5

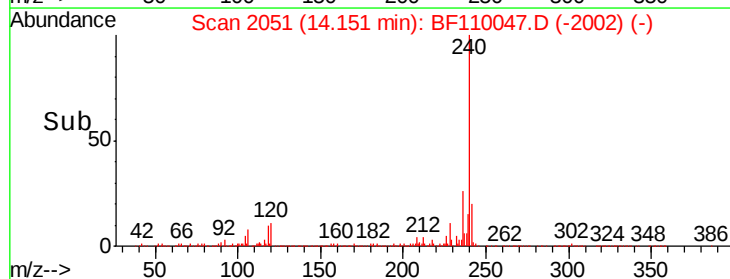
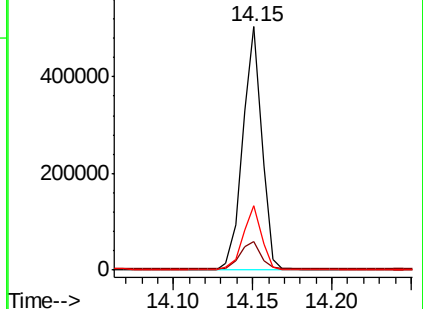
236 26.4 21.2 31.8

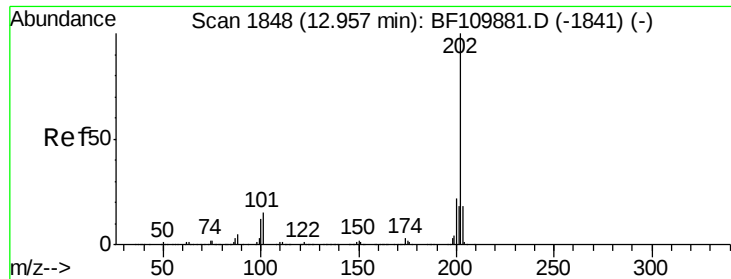


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

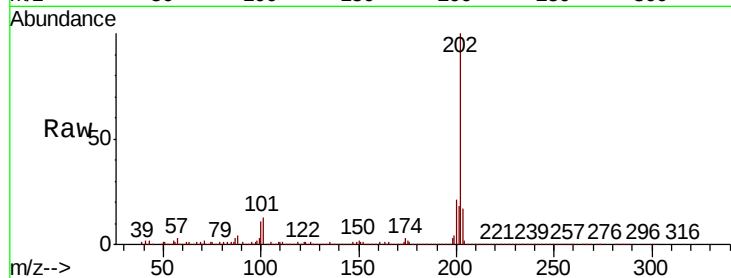




#78
Pvrene
Concen: 20.859 ng
RT: 12.95 min Scan# 1847
Delta R.T. -0.02 min
Lab File: BF110047.D
Acq: 22 Oct 2018 14:30

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.8	26.6
203	17.5	14.2	21.4

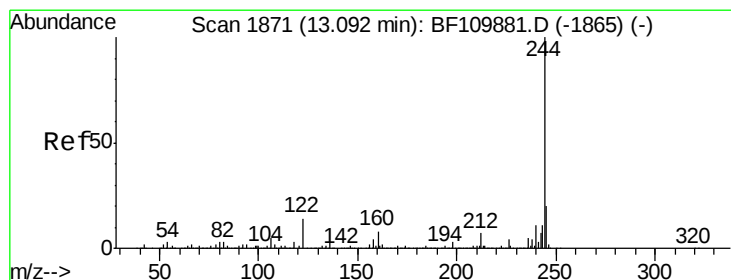
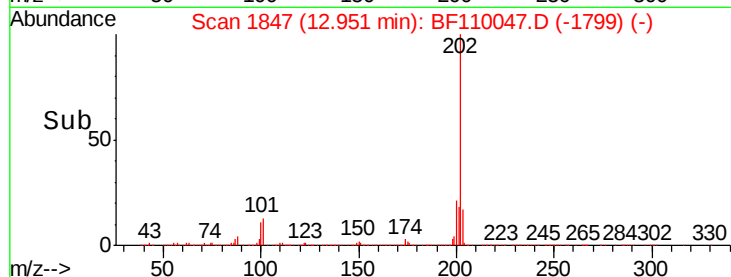
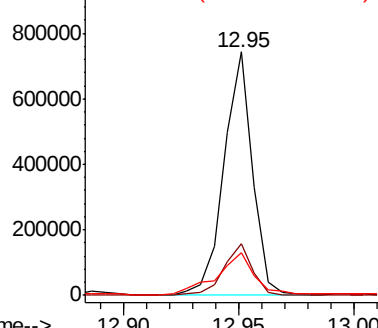


Abundance

Ion 202.00 (201.70 to 202.70): E

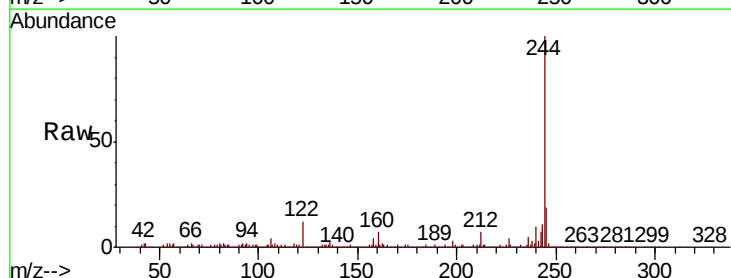
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79
Terphenyl-d14
Concen: 32.817 ng
RT: 13.09 min Scan# 1870
Delta R.T. -0.02 min
Lab File: BF110047.D
Acq: 22 Oct 2018 14:30

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.8	8.8
122	11.5	8.7	13.1

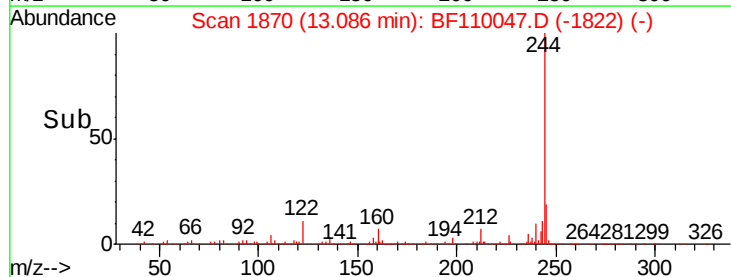
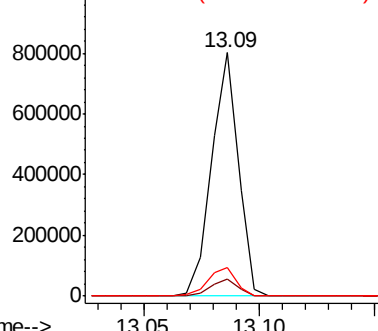


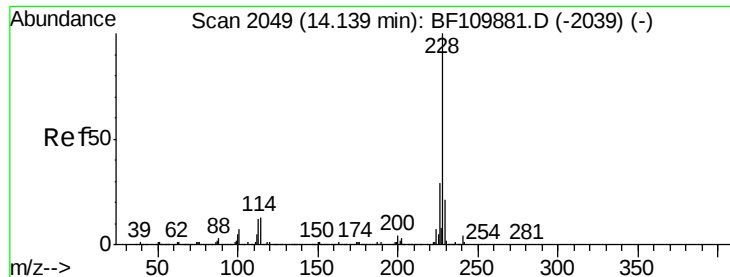
Abundance

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: 11.821 ng

RT: 14.17 min Scan# 2055

Delta R.T. 0.02 min

Lab File: BF110047.D

Acq: 22 Oct 2018 14:30

Instrument :

BNA_F

ClientSampleId :

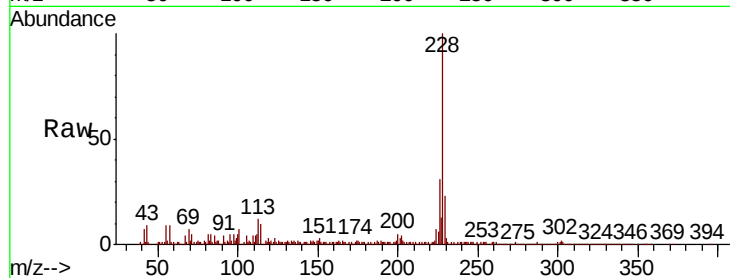
Tot Ion:228 Resp: 289626

Ion Ratio Lower Upper

228 100

226 30.8 22.1 33.1

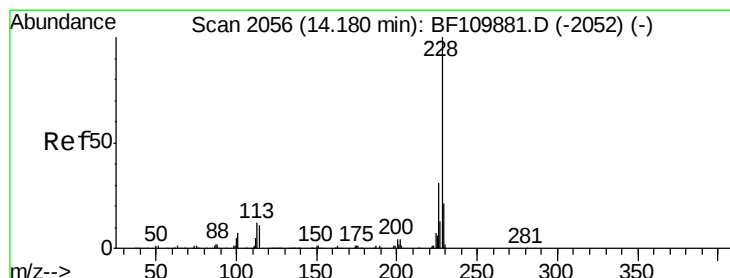
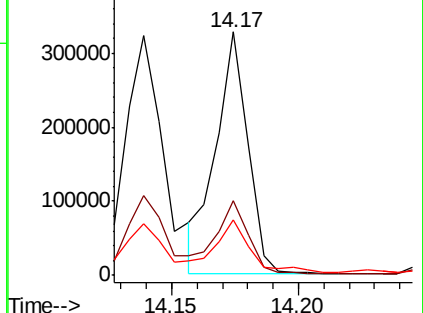
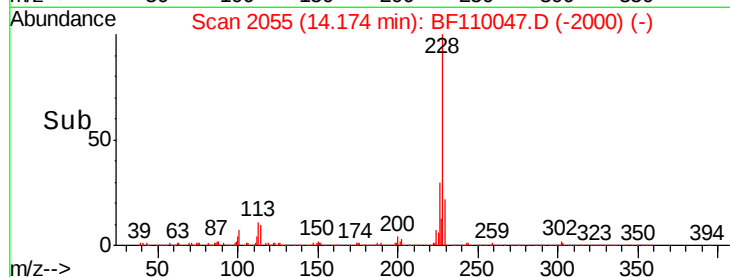
229 22.6 15.6 23.4



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: 12.419 ng

RT: 14.17 min Scan# 2055

Delta R.T. -0.02 min

Lab File: BF110047.D

Acq: 22 Oct 2018 14:30

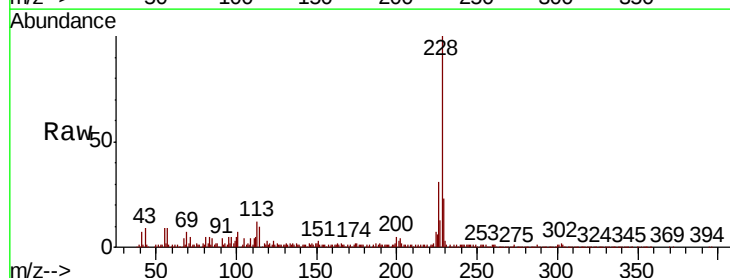
Tgt Ion:228 Resp: 289626

Ion Ratio Lower Upper

228 100

226 30.8 24.7 37.1

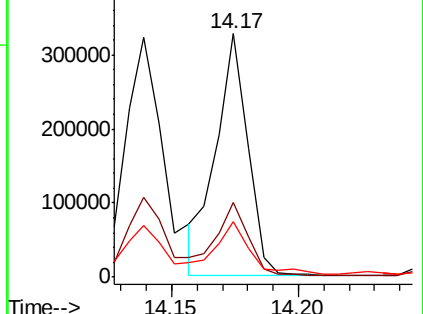
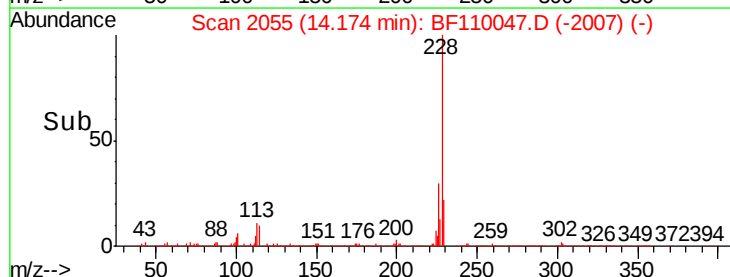
229 22.6 15.9 23.9

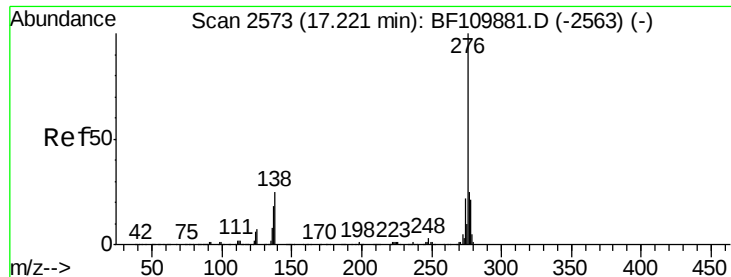


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

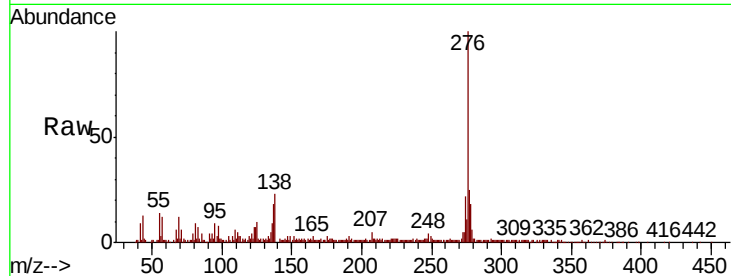




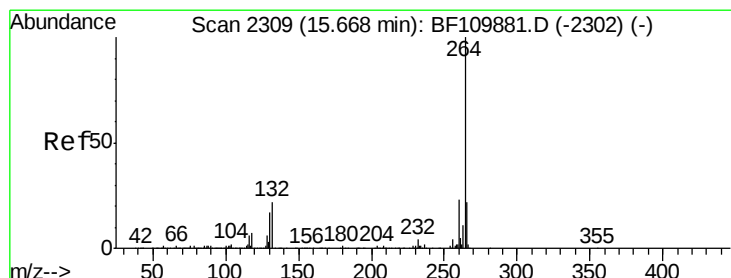
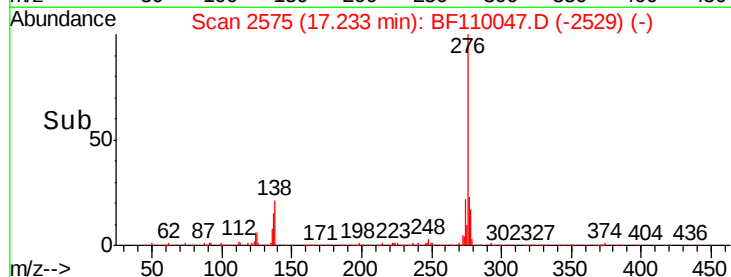
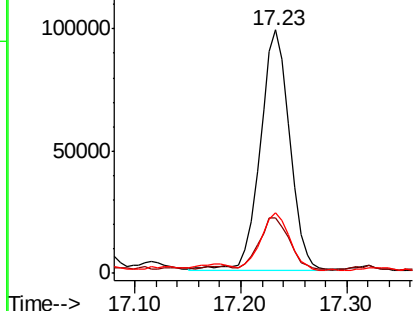
#86
Indeno(1,2,3-cd)pyrene
Concen: 10.087 ng
RT: 17.23 min Scan# 2575
Delta R.T. -0.03 min
Lab File: BF110047.D
Acq: 22 Oct 2018 14:30

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	22.8	18.5	27.7
277	24.0	20.0	30.0

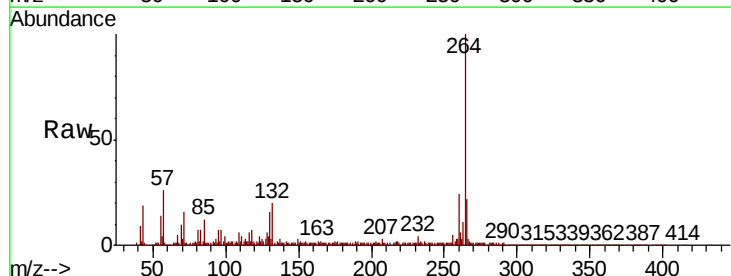


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

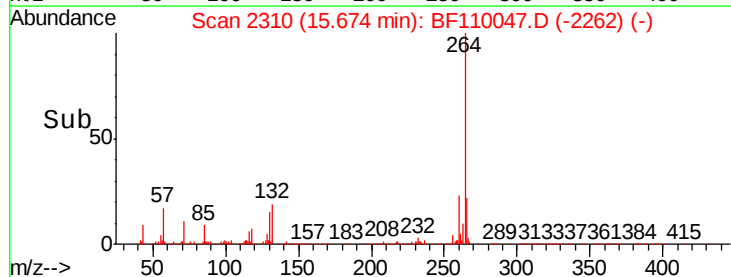
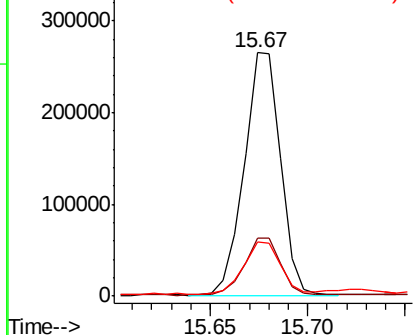


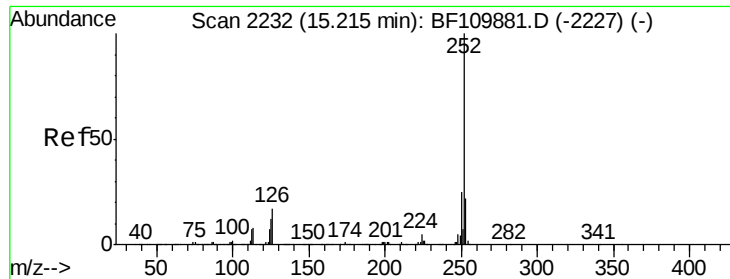
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.67 min Scan# 2310
Delta R.T. -0.02 min
Lab File: BF110047.D
Acq: 22 Oct 2018 14:30

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.7	28.1
265	22.1	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

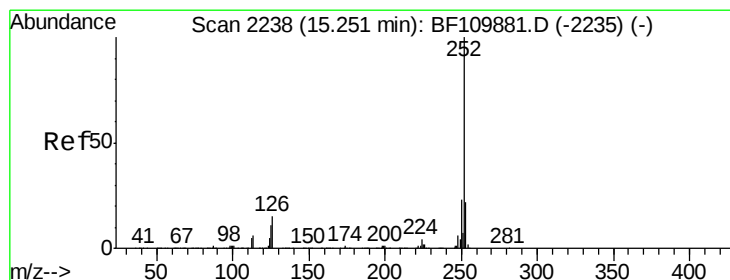
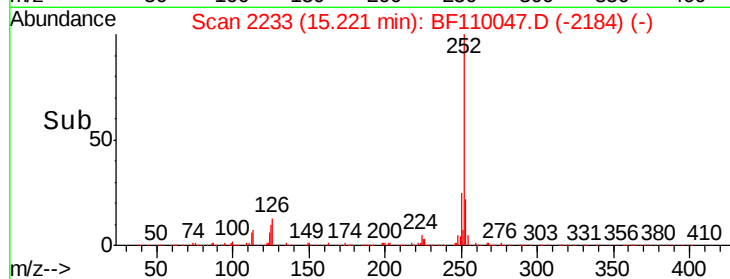
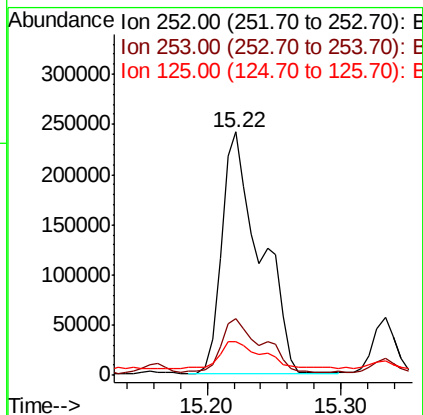
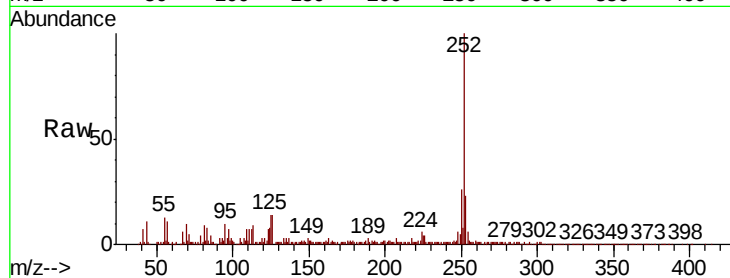




#88
Benzo(b)fluoranthene
Concen: 24.579 ng
RT: 15.22 min Scan# 2233
Delta R.T. -0.01 min
Lab File: BF110047.D
Acq: 22 Oct 2018 14:30

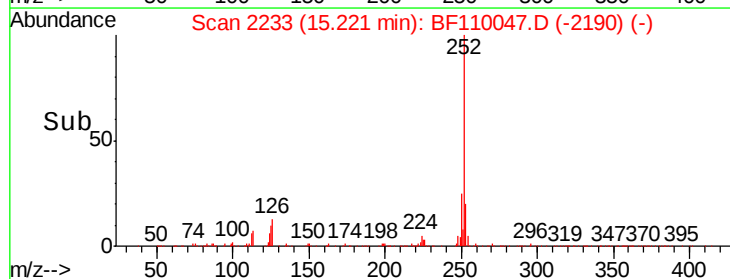
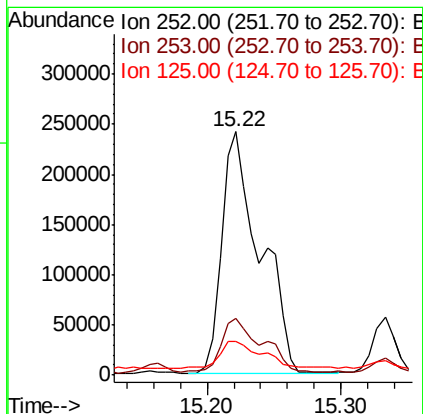
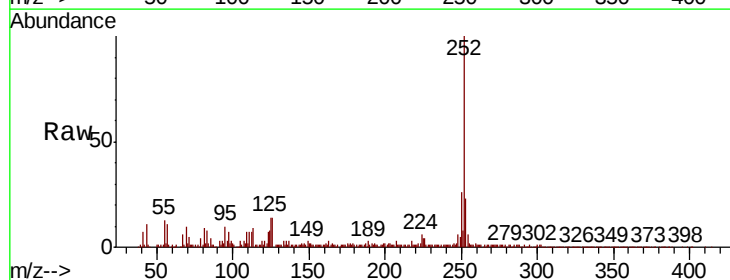
Instrument :
BNA_F
ClientSampleId :

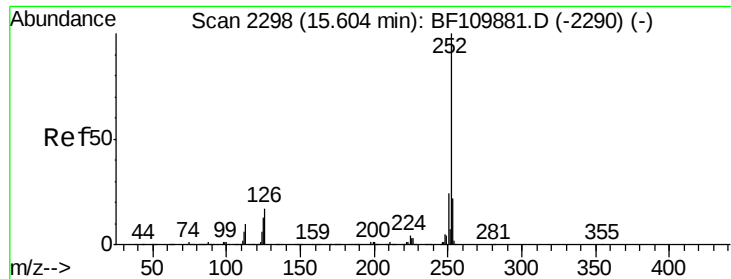
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.2	25.8
125	13.7	8.2	12.4



#89
Benzo(k)fluoranthene
Concen: 24.936 ng
RT: 15.22 min Scan# 2233
Delta R.T. -0.05 min
Lab File: BF110047.D
Acq: 22 Oct 2018 14:30

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.2	25.8
125	13.7	7.4	11.0





#90

Benzo(a)pyrene

Concen: 15.418 ng

RT: 15.61 min Scan# 2299

Delta R.T. -0.02 min

Lab File: BF110047.D

Acq: 22 Oct 2018 14:30

Instrument :

BNA_F

ClientSampled :

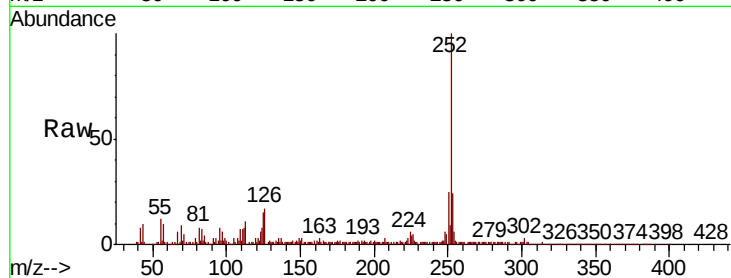
Tot Ion:252 Resp: 279765

Ion Ratio Lower Upper

252 100

253 24.0 18.2 27.4

125 15.2 9.0 13.6#

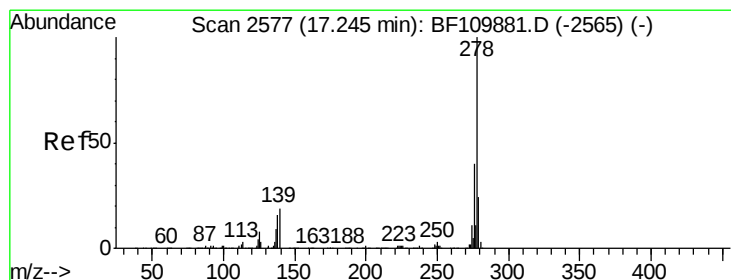
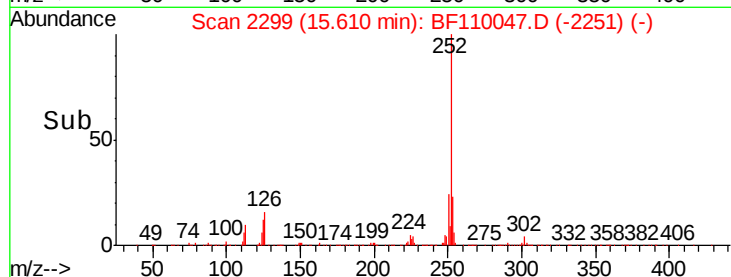
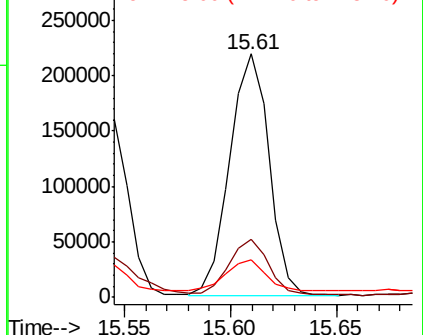


Abundance

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: 2.706 ng

RT: 17.24 min Scan# 2577

Delta R.T. -0.04 min

Lab File: BF110047.D

Acq: 22 Oct 2018 14:30

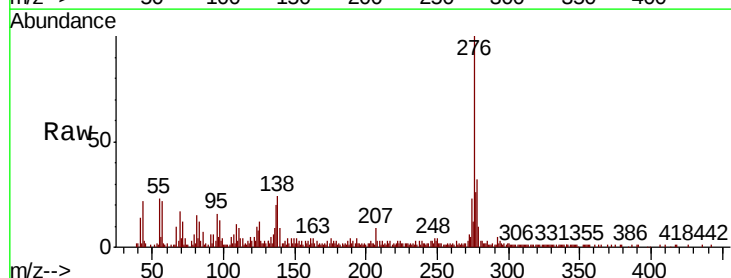
Tgt Ion:278 Resp: 43518

Ion Ratio Lower Upper

278 100

139 27.9 12.7 19.1#

279 30.1 19.0 28.4#

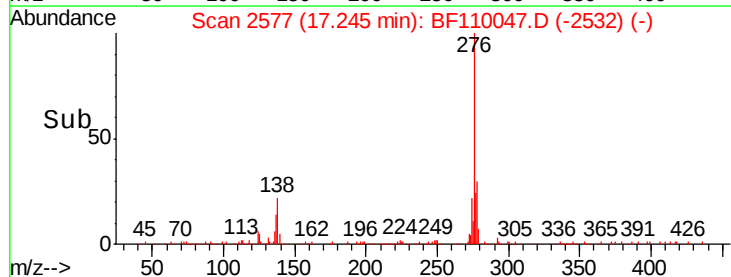
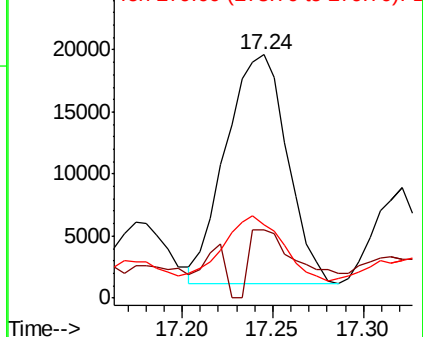


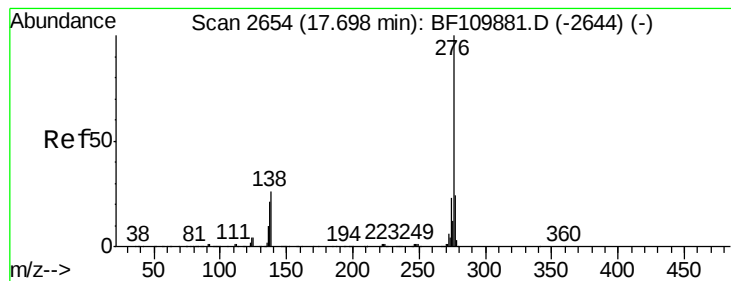
Abundance

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: 12.405 ng

RT: 17.71 min Scan# 2656

Delta R.T. -0.03 min

Lab File: BF110047.D

Acq: 22 Oct 2018 14:30

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 276 Resp: 201552

Ion Ratio Lower Upper

276 100

277 22.6 18.8 28.2

138 24.2 16.0 24.0#

