

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102918\
 Data File : BF110251.D
 Acq On : 29 Oct 2018 10:10
 Operator : JU/SJ
 Sample : J5564-01
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 29 12:30:36 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 23 15:06:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	115121	20.00	ng	-0.01
21) Naphthalene-d8	8.25	136	461047	20.00	ng	-0.02
39) Acenaphthene-d10	10.01	164	209858	20.00	ng	-0.02
64) Phenanthrene-d10	11.50	188	344120	20.00	ng	-0.01
76) Chrysene-d12	14.15	240	209204	20.00	ng	-0.01
87) Perylene-d12	15.69	264	201284	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.60	112	664671	94.02	ng	0.00
7) Phenol-d6	6.60	99	1029318	113.83	ng	0.00
23) Nitrobenzene-d5	7.53	82	637518	82.02	ng	-0.02
42) 2,4,6-Tribromophenol	10.80	330	96942	46.63	ng	-0.01
45) 2-Fluorobiphenyl	9.33	172	1195271	89.44	ng	-0.01
79) Terphenyl-d14	13.09	244	906562	90.12	ng	-0.01

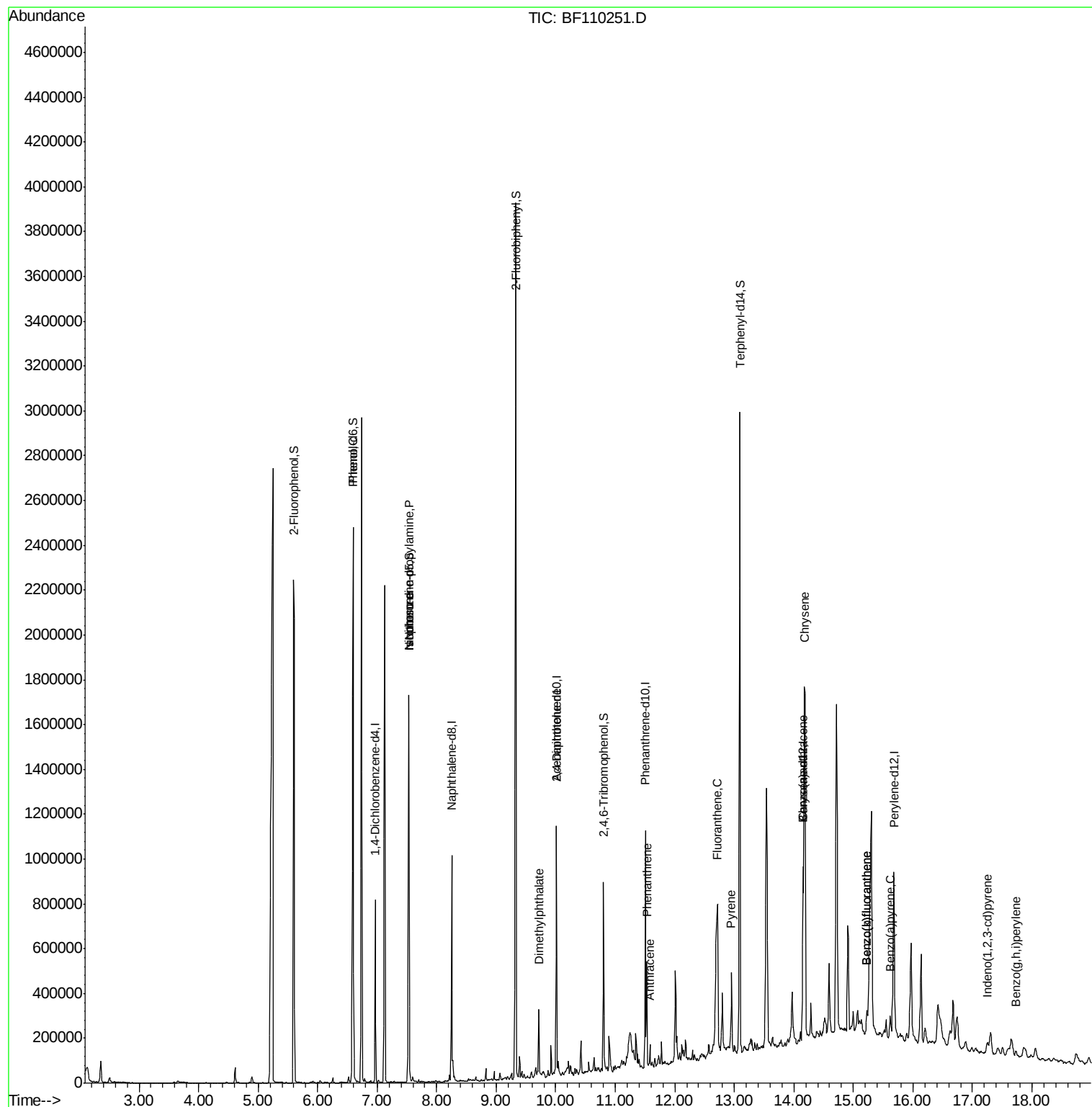
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.52	77	602	Below Cal		# 53
10) Phenol	6.60	94	46332	4.794	ng	# 70
19) n-Nitroso-di-n-propylamine	7.53	70	85566	14.750	ng	# 78
25) Isophorone	7.53	82	637515	48.114	ng	# 67
50) Dimethylphthalate	9.72	163	100965	6.518	ng	99
57) 2,4-Dinitrotoluene	10.01	165	28210	6.656	ng	# 19
71) Phenanthrene	11.53	178	153163	8.506	ng	99
72) Anthracene	11.58	178	36112	2.001	ng	99
75) Fluoranthene	12.72	202	143022	7.827	ng	100
78) Pyrene	12.95	202	134706	8.982	ng	98
81) Benzo(a)anthracene	14.15	228	56698	4.570	ng	98
83) Chrysene	14.18	228	46305	3.930	ng	97
86) Indeno(1,2,3-cd)pyrene	17.25	276	22707	2.323	ng	95
88) Benzo(b)fluoranthene	15.23	252	75769	6.519	ng	# 90
89) Benzo(k)fluoranthene	15.23	252	75769	6.631	ng	# 89
90) Benzo(a)pyrene	15.62	252	42942	4.015	ng	# 92
92) Benzo(a,h,i)perylene	17.73	276	21656	2.381	ng	96

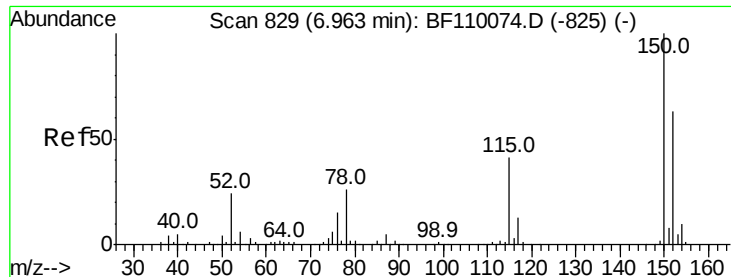
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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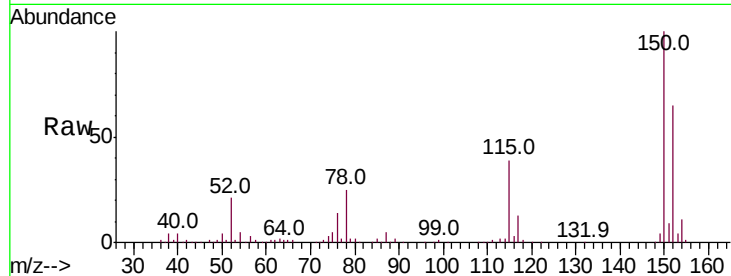


#1

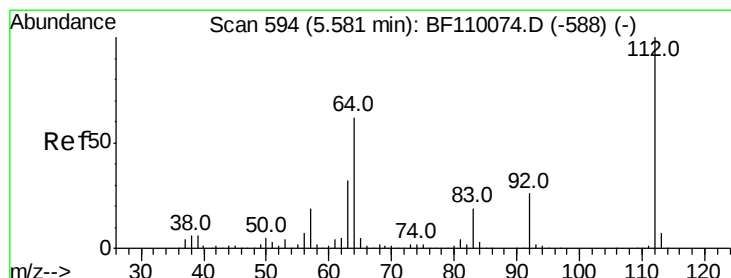
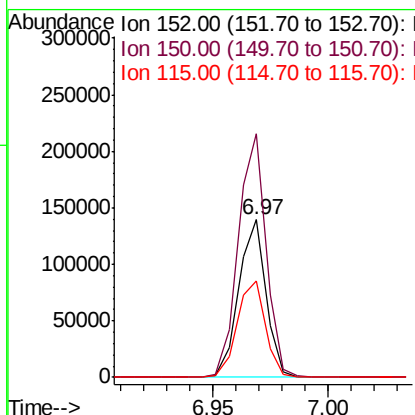
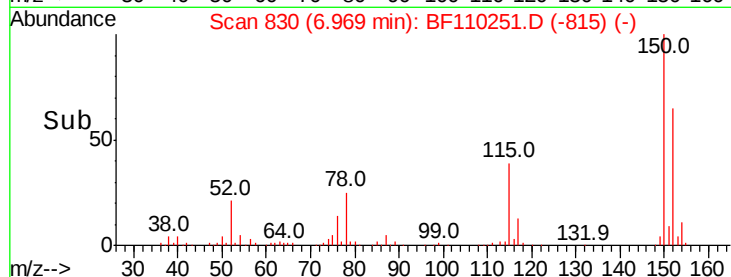
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.97 min Scan# 830
 Delta R.T. -0.01 min
 Lab File: BF110251.D
 Acq: 29 Oct 2018 10:10

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:152 Resp: 115121
 Ion Ratio Lower Upper
 152 100
 150 154.4 122.7 184.1
 115 60.9 49.1 73.7



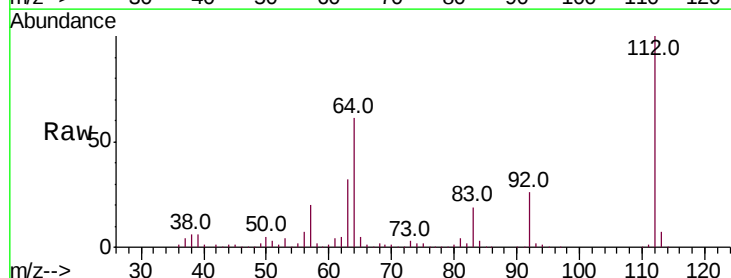
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



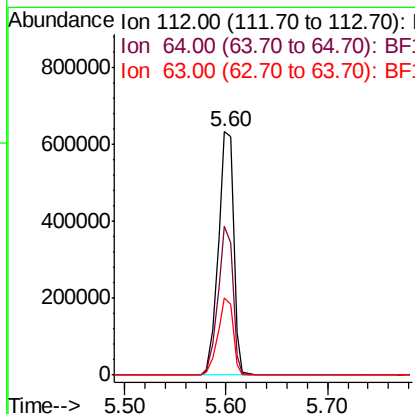
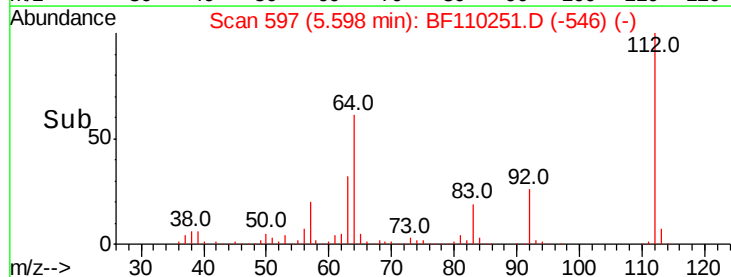
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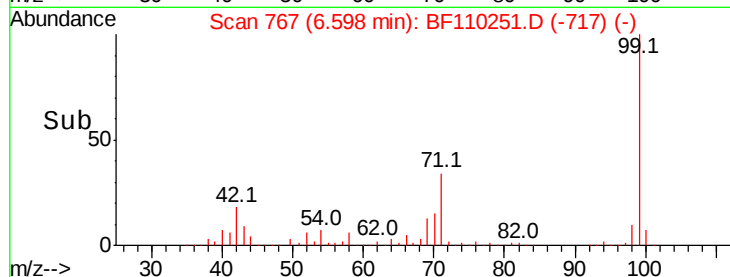
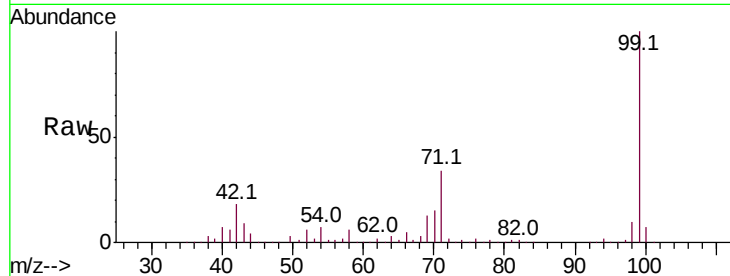
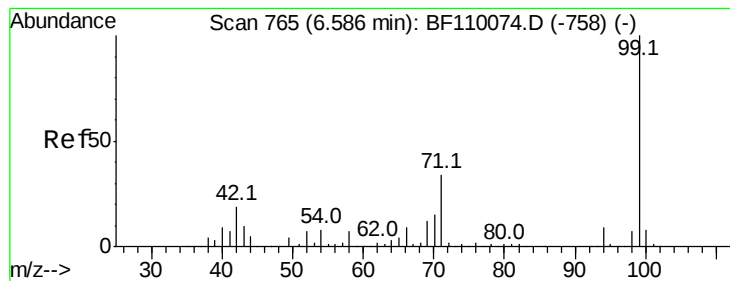
2-Fluorophenol
 Concen: 94.021 ng
 RT: 5.60 min Scan# 597
 Delta R.T. 0.00 min
 Lab File: BF110251.D
 Acq: 29 Oct 2018 10:10

Tgt Ion:112 Resp: 664671
 Ion Ratio Lower Upper
 112 100
 64 61.4 44.1 66.1
 63 31.7 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: 113.834 ng

RT: 6.60 min Scan# 767

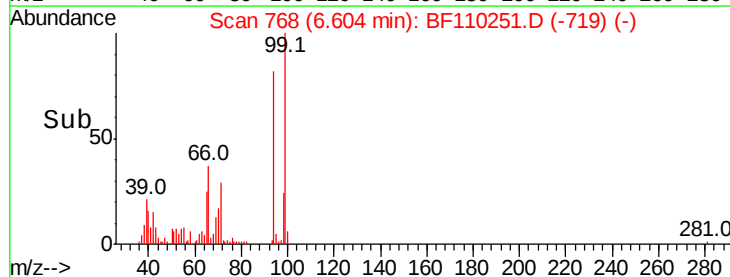
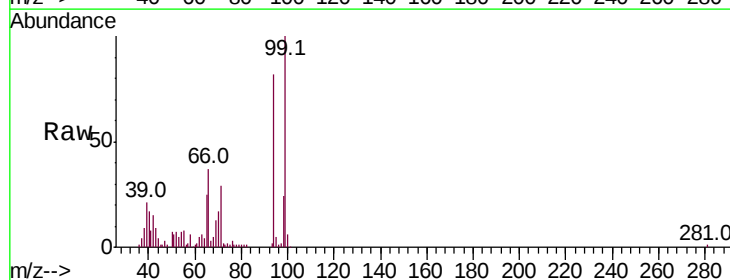
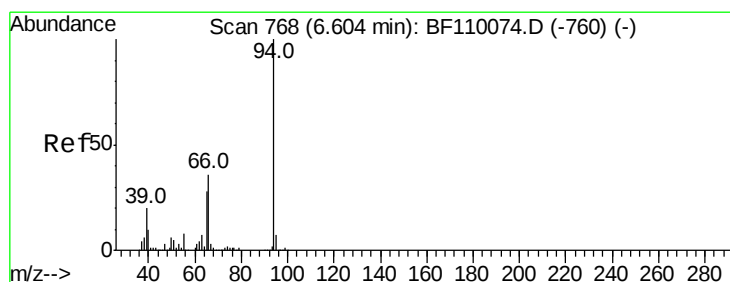
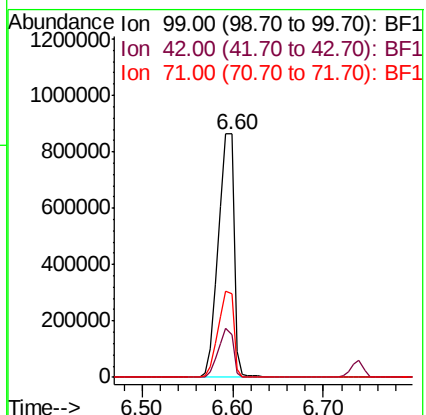
Delta R.T. -0.01 min

Lab File: BF110251.D

Acq: 29 Oct 2018 10:10

Tot Ion: 99 Resp: 1029318

Ion	Ratio	Lower	Upper
99	100		
42	17.7	15.8	23.6
71	34.1	28.0	42.0



#10

Phenol

Concen: 4.794 ng

RT: 6.60 min Scan# 768

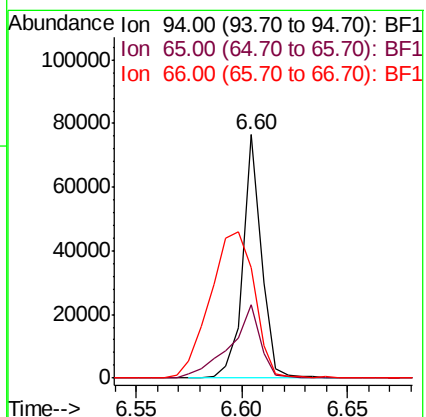
Delta R.T. -0.01 min

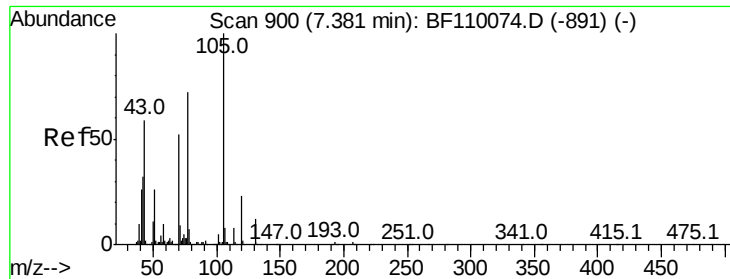
Lab File: BF110251.D

Acq: 29 Oct 2018 10:10

Tgt Ion: 94 Resp: 46332

Ion	Ratio	Lower	Upper
94	100		
65	30.0	25.3	65.3
66	45.1	54.5	94.5#

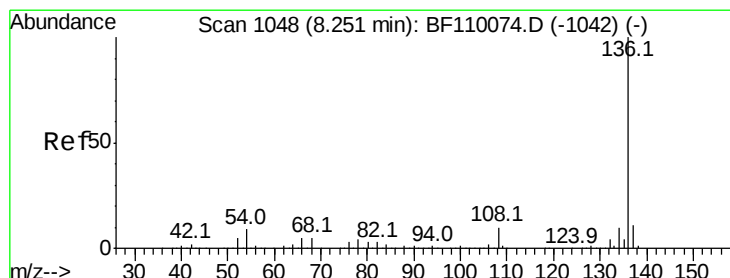
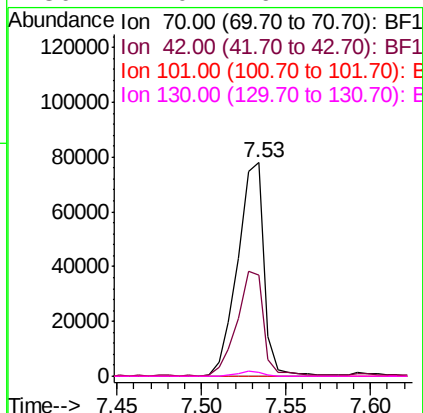
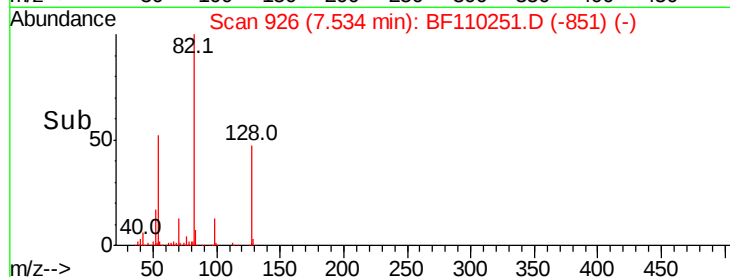
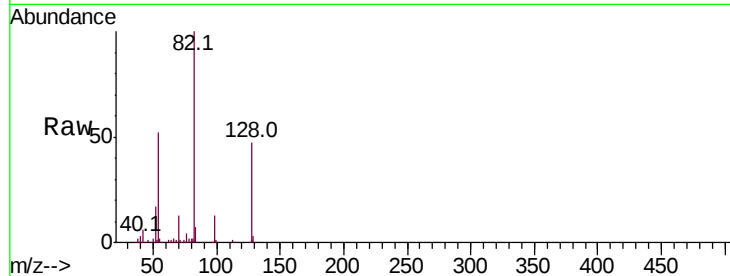




#19
n-Nitroso-di-n-propylamine
Concen: 14.750 ng
RT: 7.53 min Scan# 926
Delta R.T. 0.14 min
Lab File: BF110251.D
Acq: 29 Oct 2018 10:10

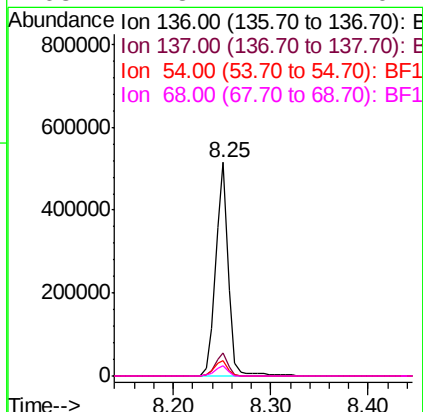
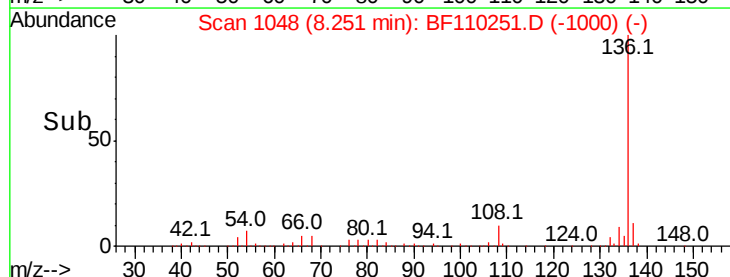
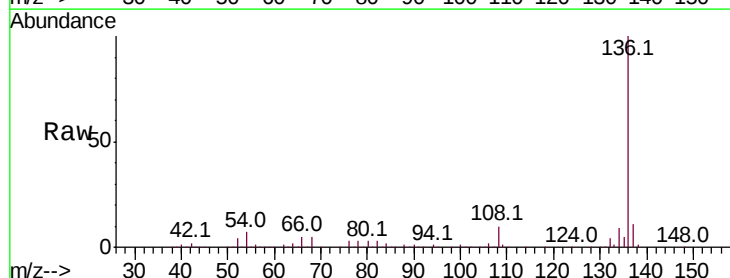
Instrument :
BNA_F
ClientSampleId :

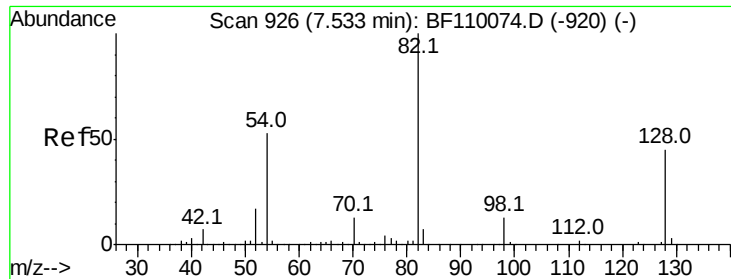
Tot Ion: 70 Resp: 85566
Ion Ratio Lower Upper
70 100
42 47.5 47.4 71.2
101 0.0 7.3 10.9#
130 2.0 16.2 24.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1048
Delta R.T. -0.02 min
Lab File: BF110251.D
Acq: 29 Oct 2018 10:10

Tgt Ion: 136 Resp: 461047
Ion Ratio Lower Upper
136 100
137 10.6 8.8 13.2
54 7.5 5.4 8.2
68 4.8 4.2 6.2

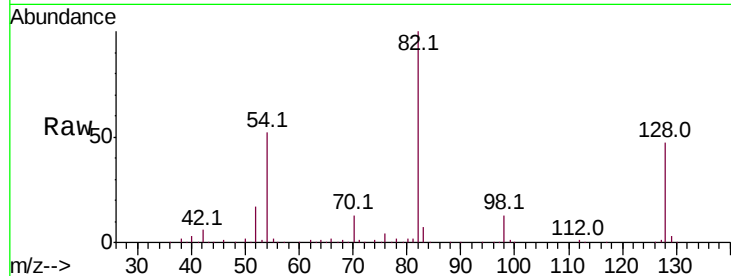




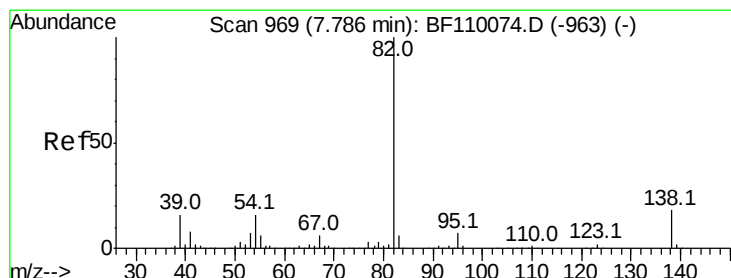
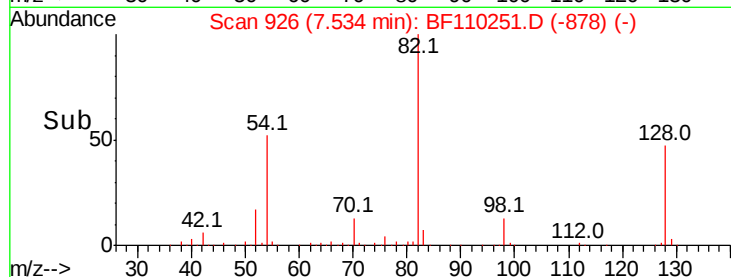
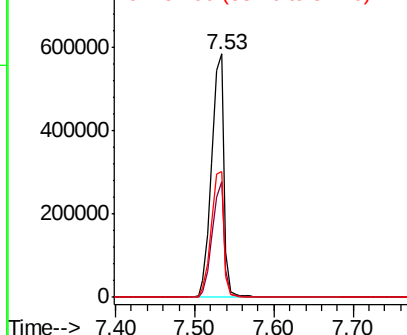
#23
Nitrobenzene-d5
Concen: 82.016 ng
RT: 7.53 min Scan# 926
Delta R.T. -0.02 min
Lab File: BF110251.D
Acq: 29 Oct 2018 10:10

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
82	100		
128	47.4	34.2	51.2
54	51.7	38.6	58.0

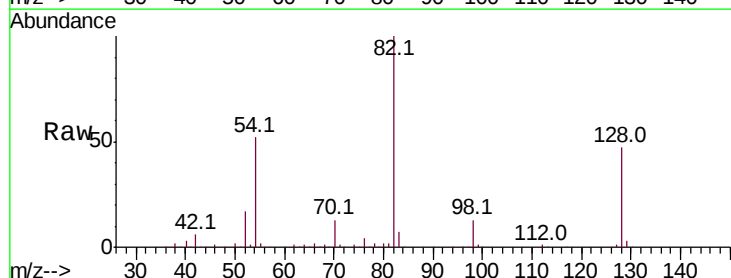


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

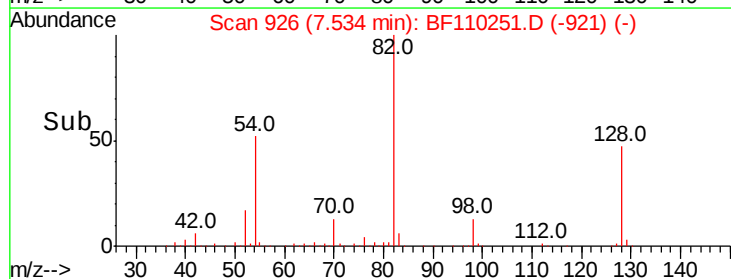
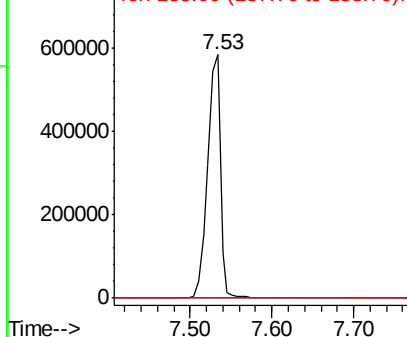


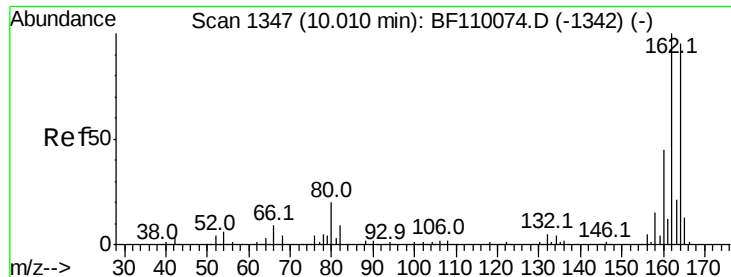
#25
Isophorone
Concen: 48.114 ng
RT: 7.53 min Scan# 926
Delta R.T. -0.27 min
Lab File: BF110251.D
Acq: 29 Oct 2018 10:10

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.7	8.5#
138	0.0	13.2	19.8#



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1

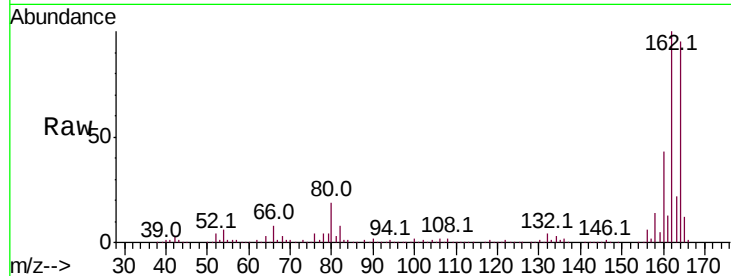




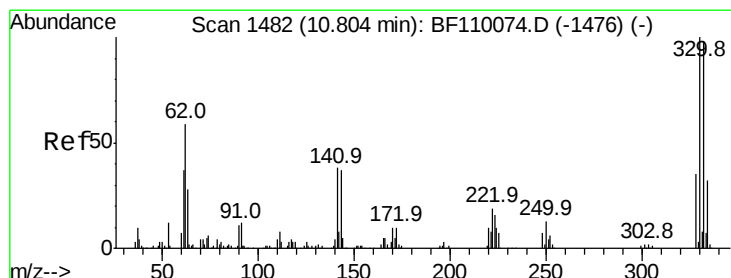
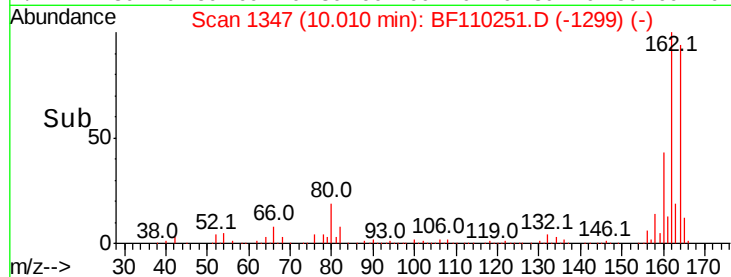
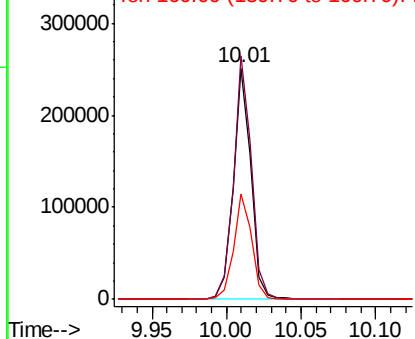
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.01 min Scan# 1347
Delta R.T. -0.02 min
Lab File: BF110251.D
Acq: 29 Oct 2018 10:10

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
162	105.4	83.0	124.6
160	45.9	37.0	55.6

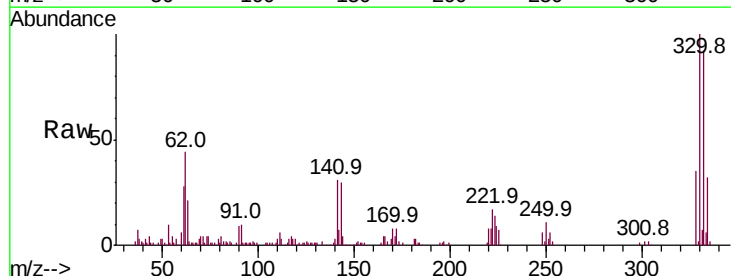


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

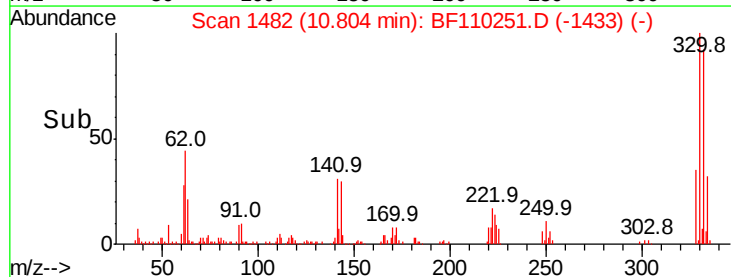
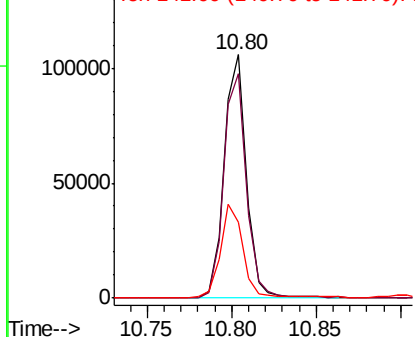


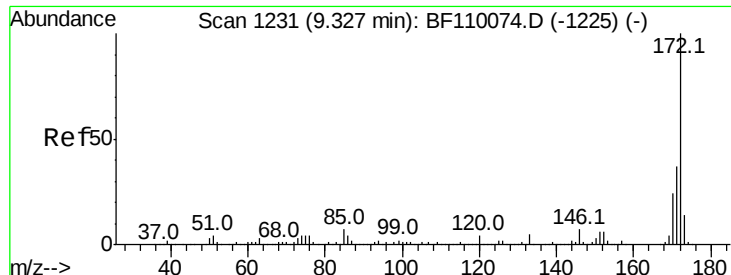
#42
2,4,6-Tribromophenol
Concen: 46.634 ng
RT: 10.80 min Scan# 1482
Delta R.T. -0.01 min
Lab File: BF110251.D
Acq: 29 Oct 2018 10:10

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.0	77.1	115.7
141	39.7	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



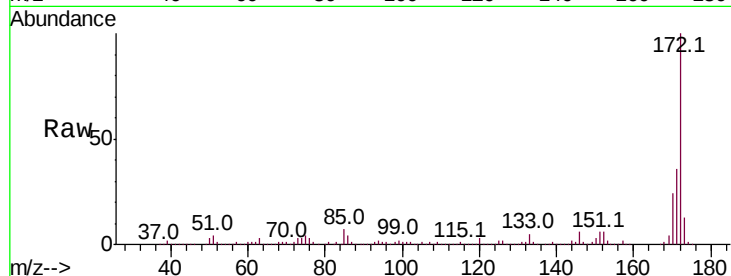


#45
 2-Fluorobiphenyl
 Concen: 89.436 ng
 RT: 9.33 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: BF110251.D
 Acq: 29 Oct 2018 10:10

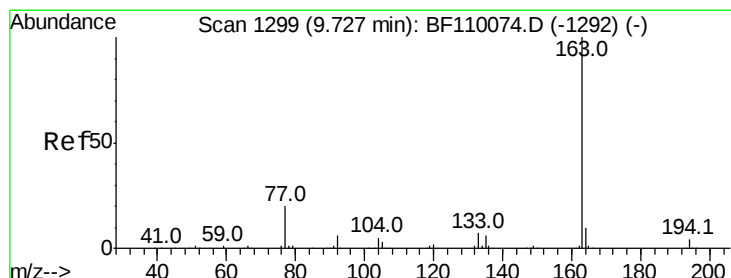
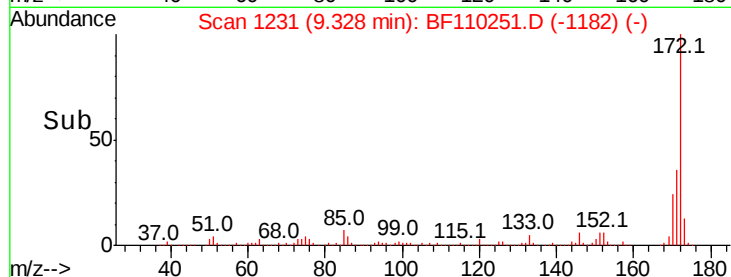
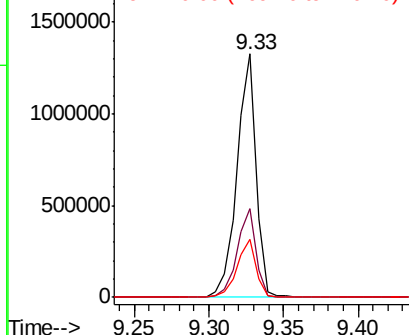
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1195271

Ion	Ratio	Lower	Upper
172	100		
171	36.2	28.6	43.0
170	23.9	19.7	29.5



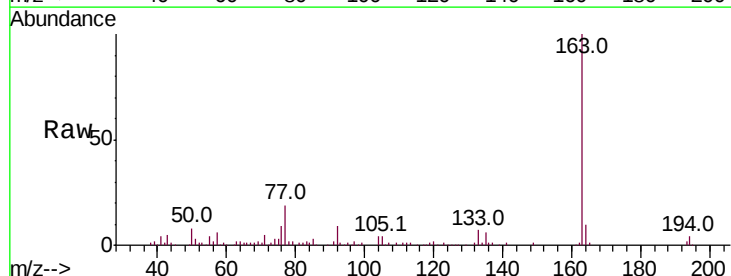
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



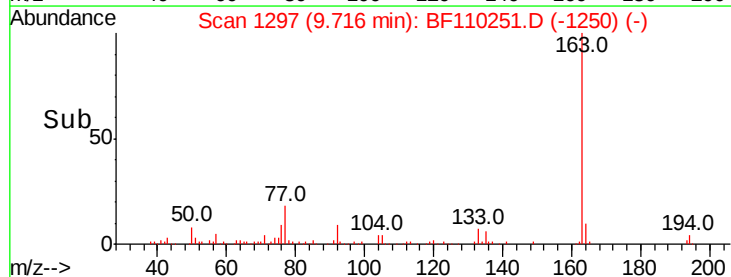
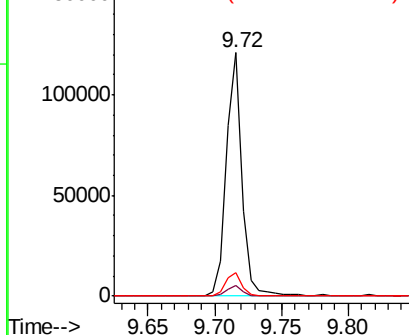
#50
 Dimethylphthalate
 Concen: 6.518 ng
 RT: 9.72 min Scan# 1297
 Delta R.T. -0.02 min
 Lab File: BF110251.D
 Acq: 29 Oct 2018 10:10

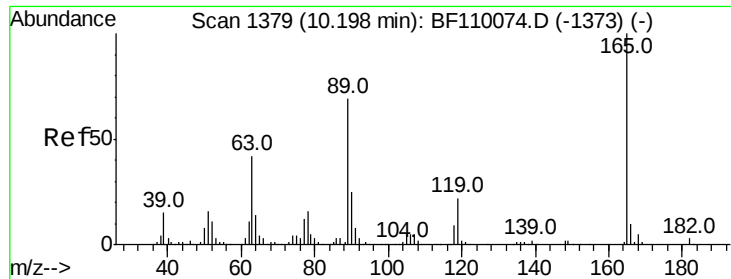
Tgt Ion:163 Resp: 100965

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.2	4.8
164	9.7	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

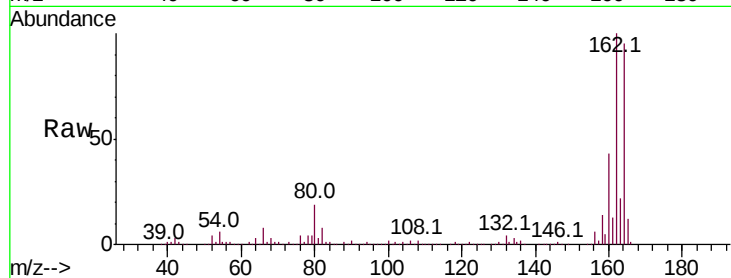




#57
 2,4-Dinitrotoluene
 Concen: 6.656 ng
 RT: 10.01 min Scan# 1347
 Delta R.T. -0.20 min
 Lab File: BF110251.D
 Acq: 29 Oct 2018 10:10

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.6	44.8	67.2#
89	1.6	62.2	93.4#
182	0.0	2.1	3.1#



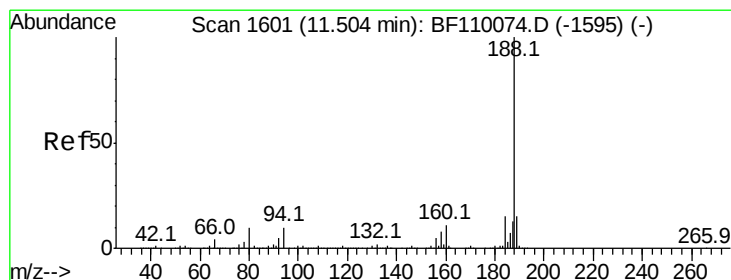
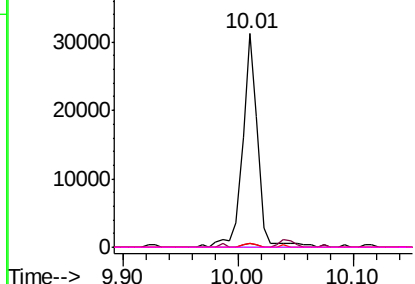
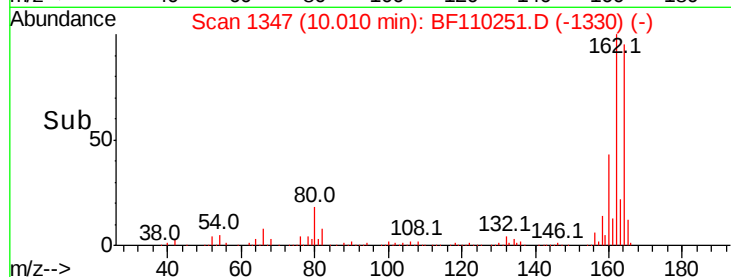
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

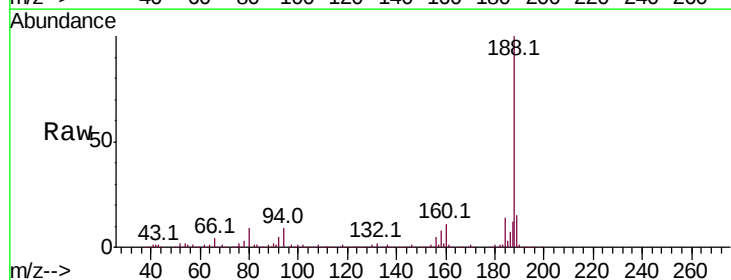
Ion 89.00 (88.70 to 89.70): BF1

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: BF110251.D
 Acq: 29 Oct 2018 10:10

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.7	7.2	10.8
80	9.4	7.9	11.9

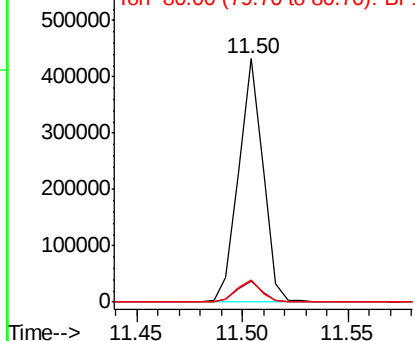
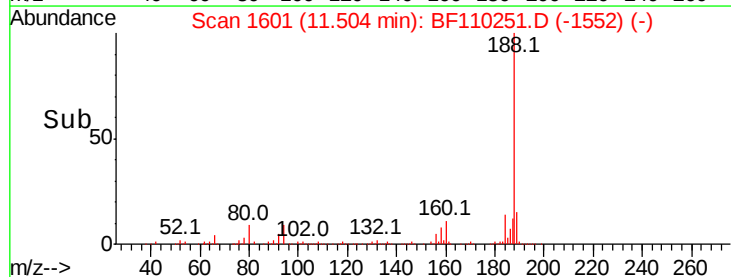


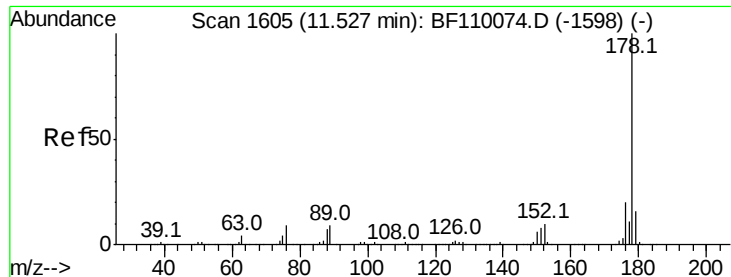
Abundance

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: 8.506 ng

RT: 11.53 min Scan# 1605

Delta R.T. -0.02 min

Lab File: BF110251.D

Acq: 29 Oct 2018 10:10

Instrument :

BNA_F

ClientSampled :

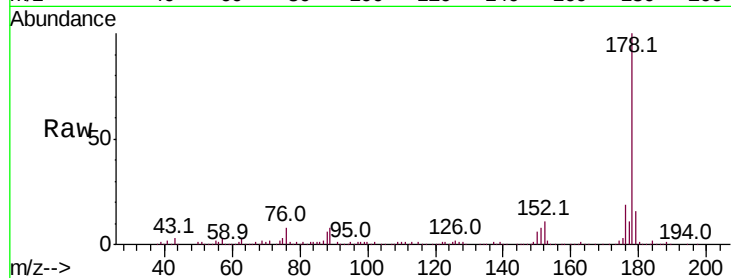
Tot Ion:178 Resp: 153163

Ion Ratio Lower Upper

178 100

176 19.0 15.5 23.3

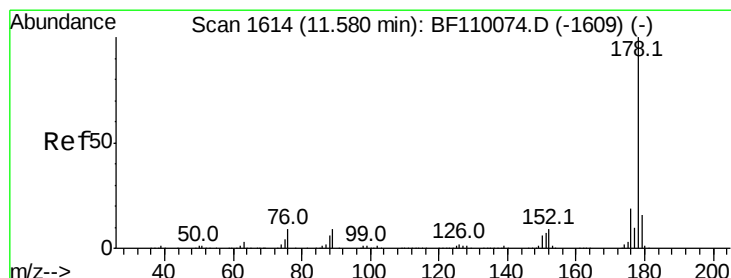
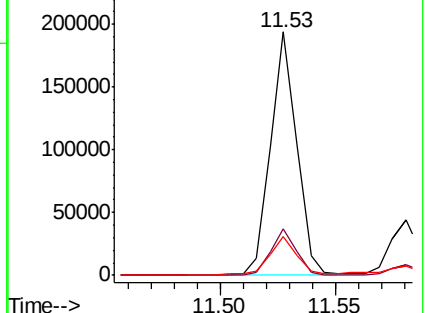
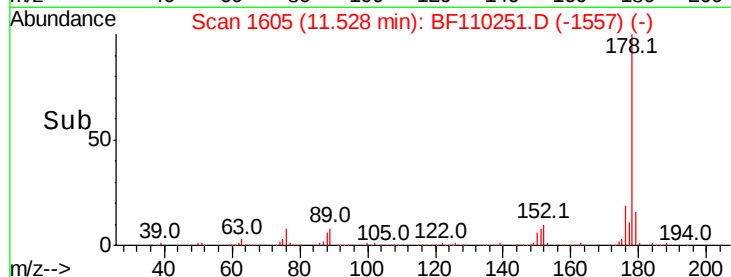
179 15.8 12.5 18.7



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 2.001 ng

RT: 11.58 min Scan# 1614

Delta R.T. -0.02 min

Lab File: BF110251.D

Acq: 29 Oct 2018 10:10

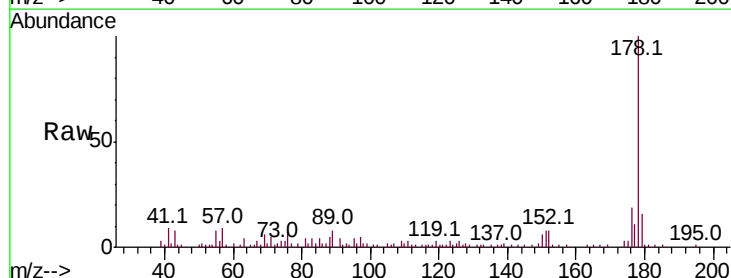
Tgt Ion:178 Resp: 36112

Ion Ratio Lower Upper

178 100

176 19.0 15.4 23.2

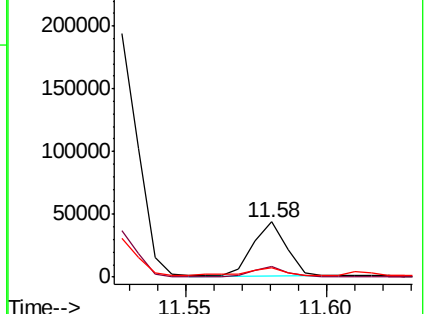
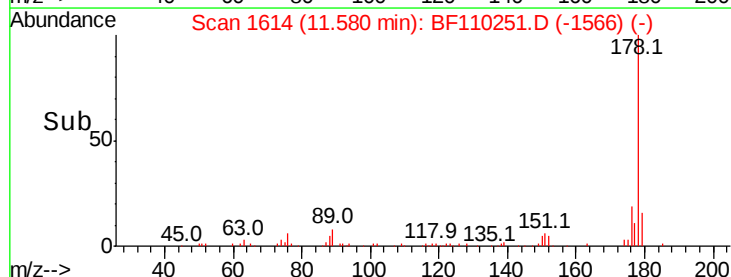
179 16.3 12.6 18.8

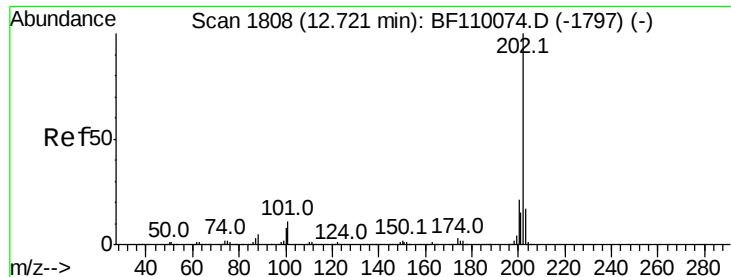


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 7.827 ng

RT: 12.72 min Scan# 1808

Delta R.T. -0.01 min

Lab File: BF110251.D

Acq: 29 Oct 2018 10:10

Instrument :

BNA_F

ClientSampleId :

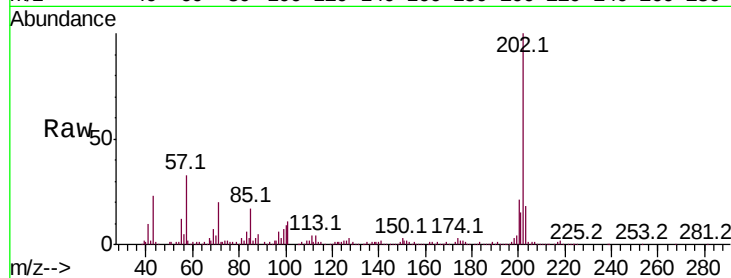
Tot Ion:202 Resp: 143022

Ion Ratio Lower Upper

202 100

101 11.1 0.0 31.4

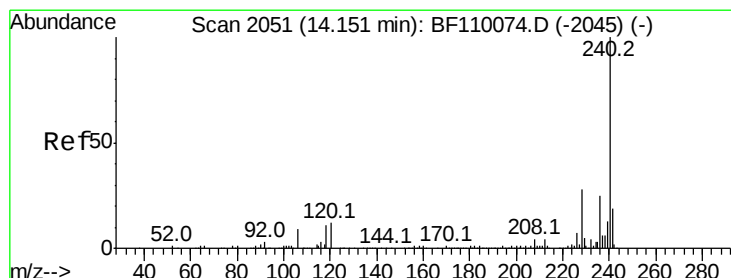
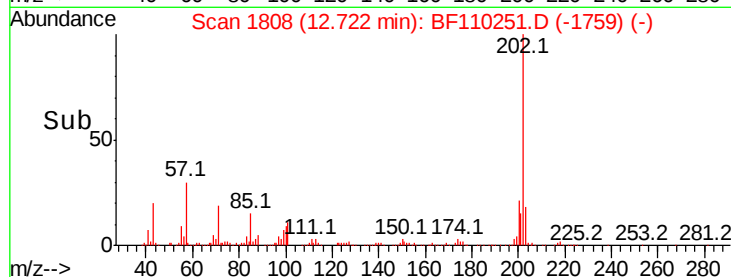
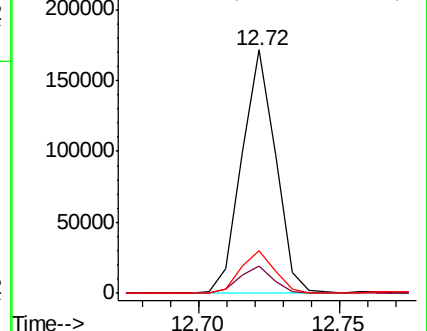
203 17.7 0.0 37.7



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.15 min Scan# 2051

Delta R.T. -0.01 min

Lab File: BF110251.D

Acq: 29 Oct 2018 10:10

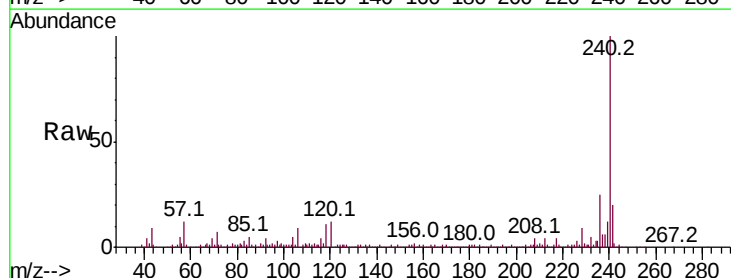
Tgt Ion:240 Resp: 209204

Ion Ratio Lower Upper

240 100

120 12.5 8.3 12.5

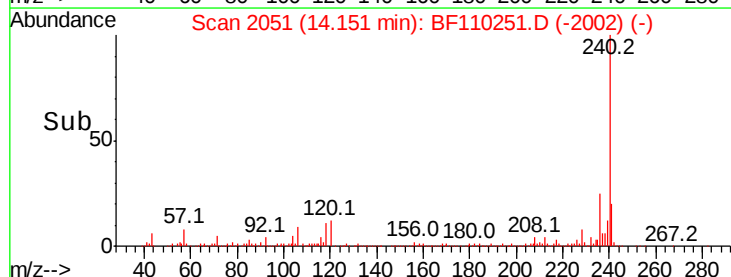
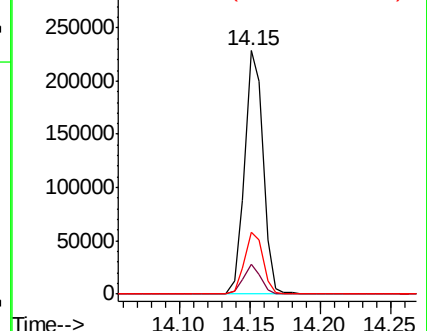
236 25.3 21.2 31.8

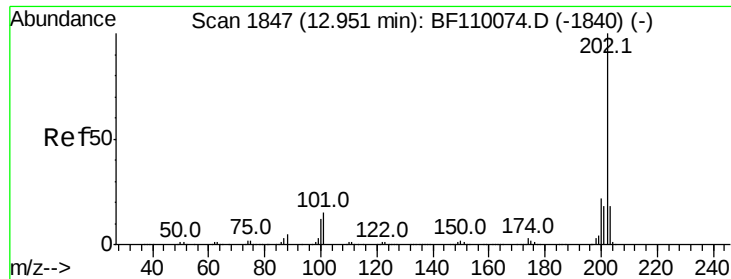


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

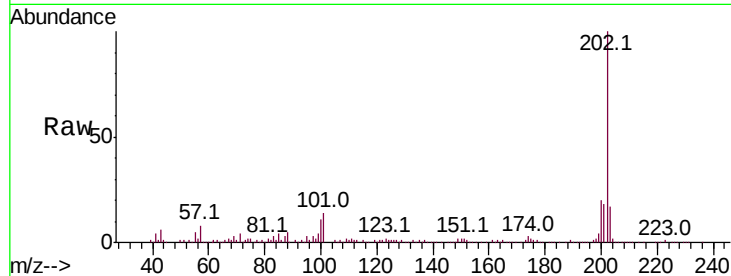




#78
Pvrene
Concen: 8.982 ng
RT: 12.95 min Scan# 1847
Delta R.T. -0.02 min
Lab File: BF110251.D
Acq: 29 Oct 2018 10:10

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.5	17.8	26.6
203	17.4	14.2	21.4

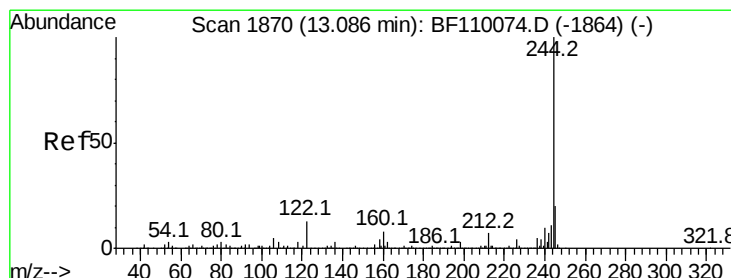
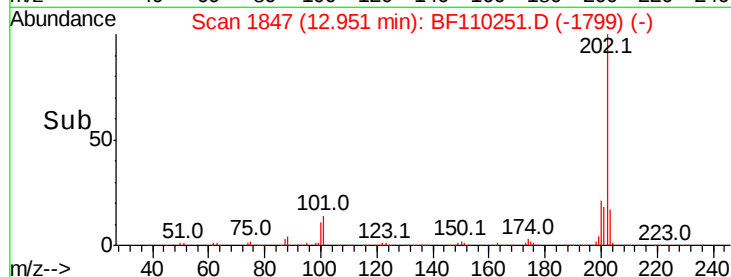
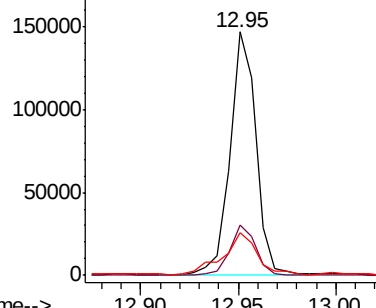


Abundance

Ion 202.00 (201.70 to 202.70): E

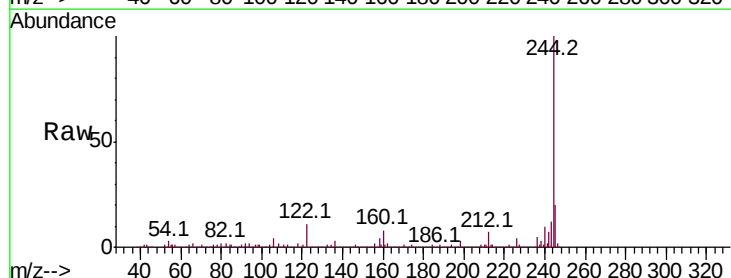
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79
Terphenyl-d14
Concen: 90.122 ng
RT: 13.09 min Scan# 1871
Delta R.T. -0.01 min
Lab File: BF110251.D
Acq: 29 Oct 2018 10:10

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.8	8.8
122	11.3	8.7	13.1

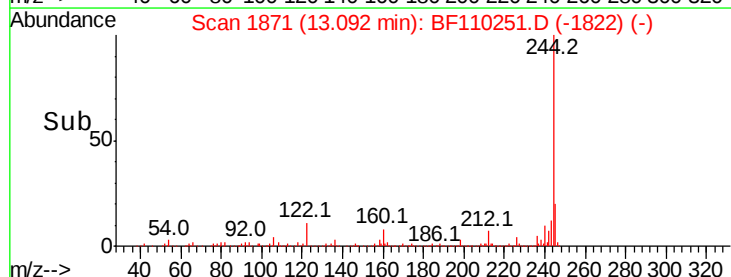
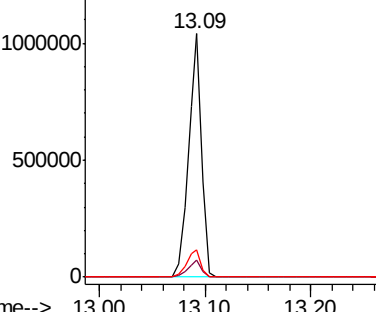


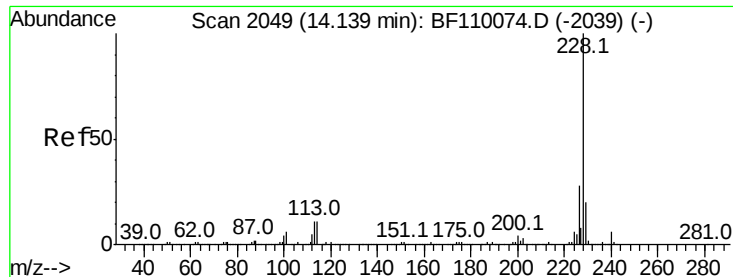
Abundance

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

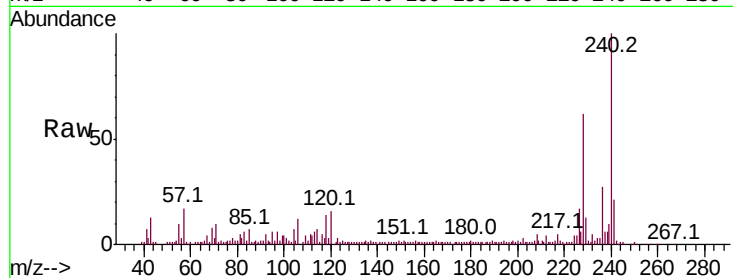




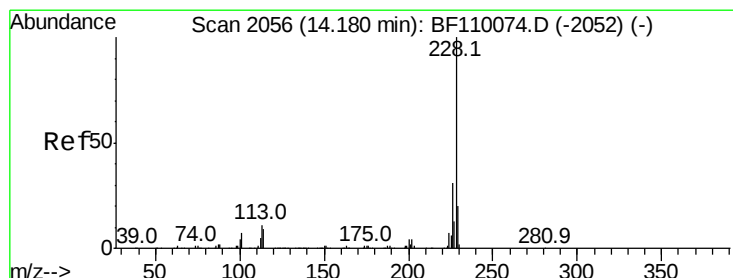
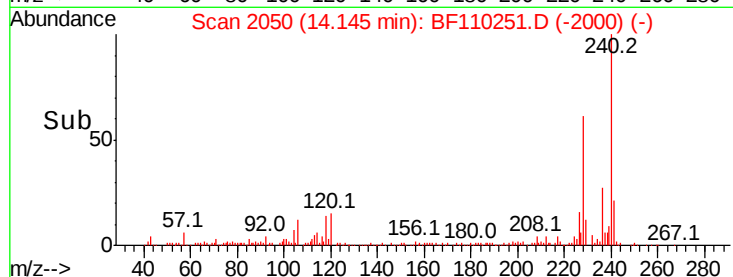
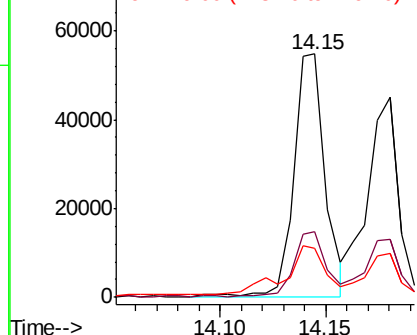
#81
Benzo(a)anthracene
Concen: 4.570 ng
RT: 14.15 min Scan# 2050
Delta R.T. -0.01 min
Lab File: BF110251.D
Acq: 29 Oct 2018 10:10

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
228	100		
226	26.9	22.1	33.1
229	20.4	15.6	23.4

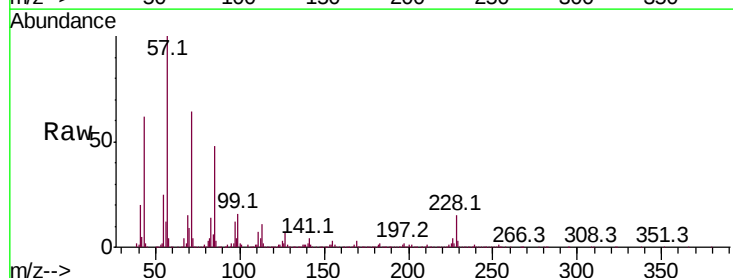


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

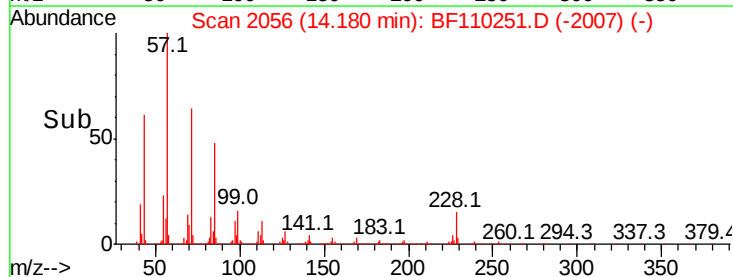
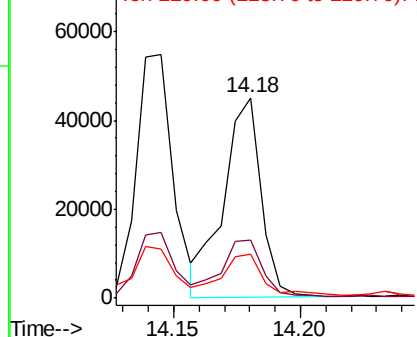


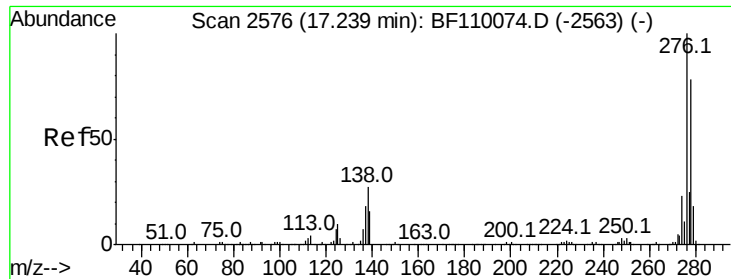
#83
Chrysene
Concen: 3.930 ng
RT: 14.18 min Scan# 2056
Delta R.T. -0.01 min
Lab File: BF110251.D
Acq: 29 Oct 2018 10:10

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.2	24.7	37.1
229	21.6	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

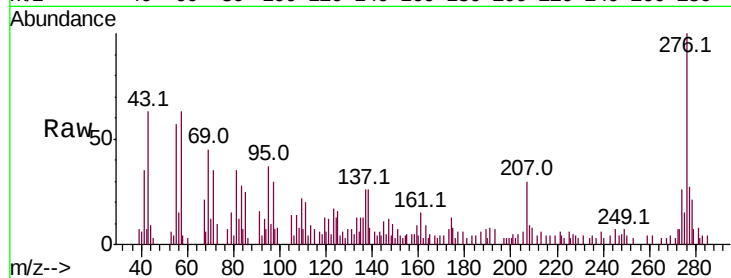




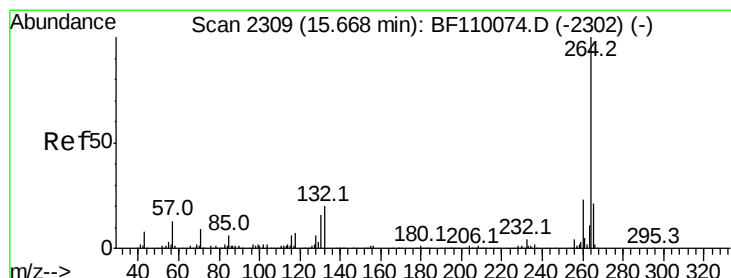
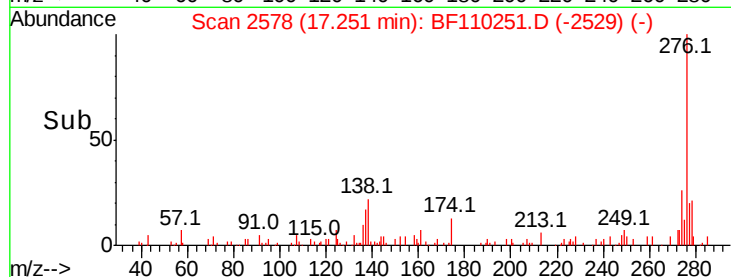
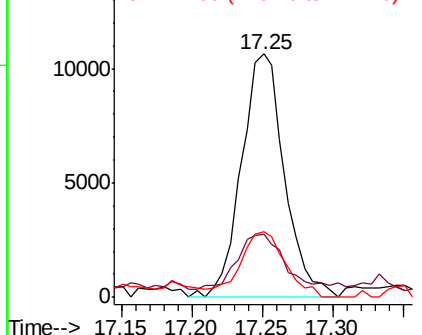
#86
Indeno(1,2,3-cd)pyrene
Concen: 2.323 ng
RT: 17.25 min Scan# 2578
Delta R.T. -0.01 min
Lab File: BF110251.D
Acq: 29 Oct 2018 10:10

Instrument :
BNA_F
ClientSampleId :

Tot Ion:276 Resp: 22707
Ion Ratio Lower Upper
276 100
138 24.5 18.5 27.7
277 28.3 20.0 30.0

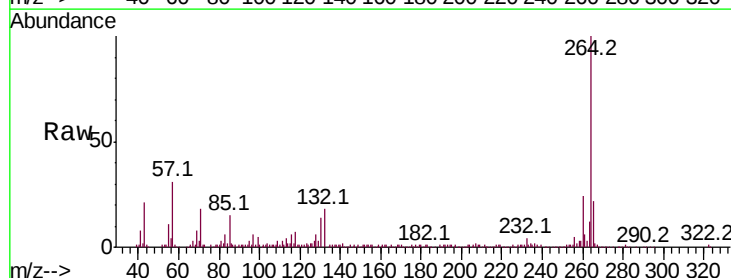


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

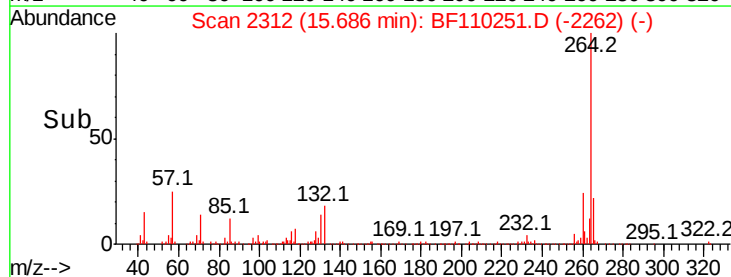
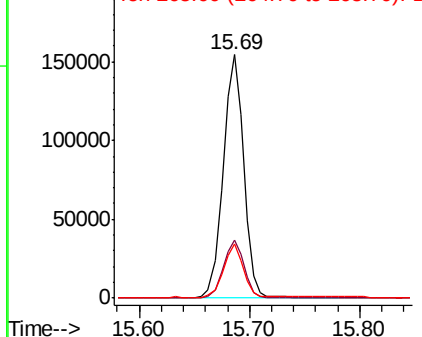


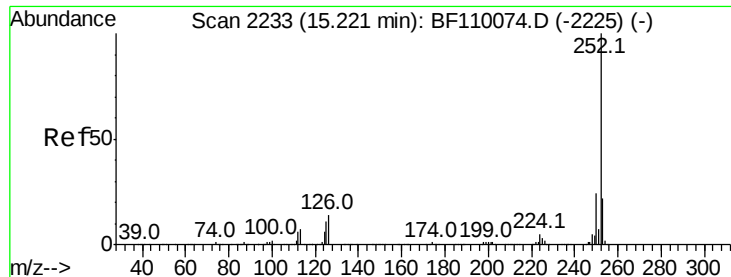
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.69 min Scan# 2312
Delta R.T. -0.01 min
Lab File: BF110251.D
Acq: 29 Oct 2018 10:10

Tgt Ion:264 Resp: 201284
Ion Ratio Lower Upper
264 100
260 23.9 18.7 28.1
265 22.2 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: 6.519 ng

RT: 15.23 min Scan# 2234

Delta R.T. -0.01 min

Lab File: BF110251.D

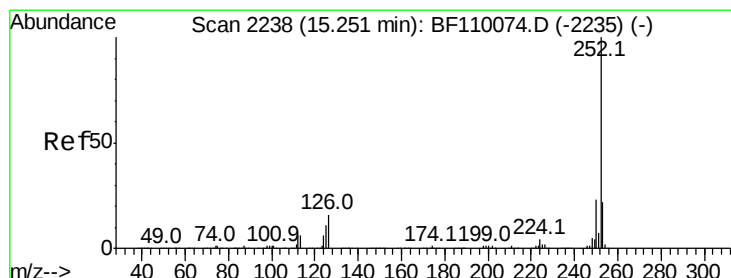
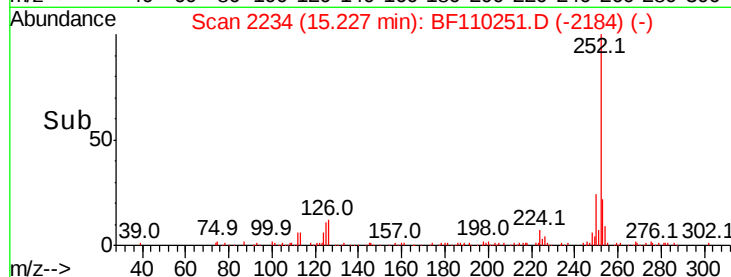
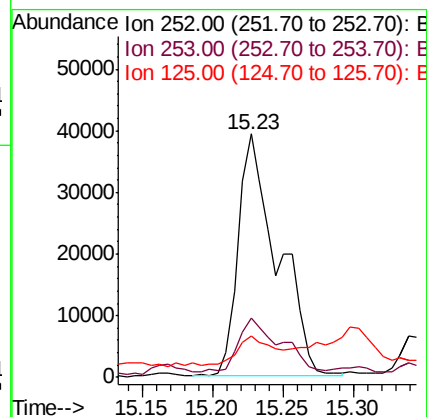
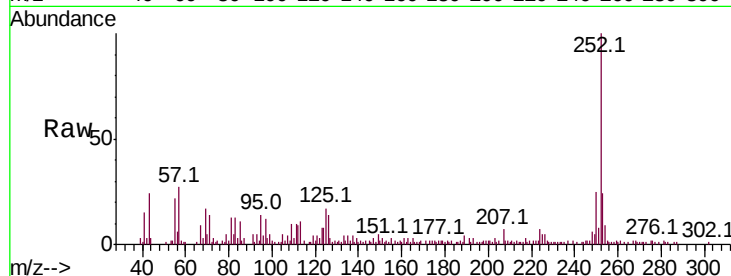
Acq: 29 Oct 2018 10:10

Instrument :

BNA_F

ClientSampled :

Tot Ion:252	Resp:	75769
Ion Ratio	Lower	Upper
252	100	
253	24.5	17.2 25.8
125	16.8	8.2 12.4#



#89

Benzo(k)fluoranthene

Concen: 6.631 ng

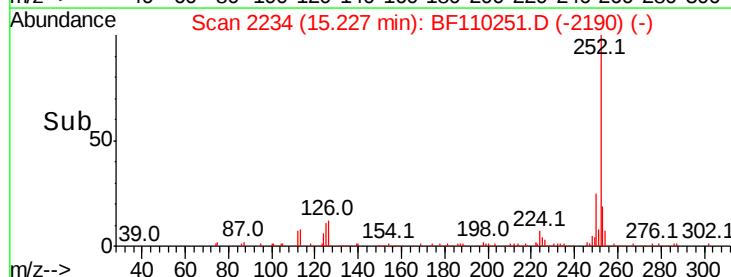
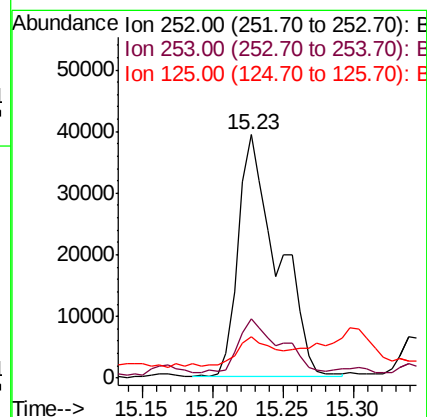
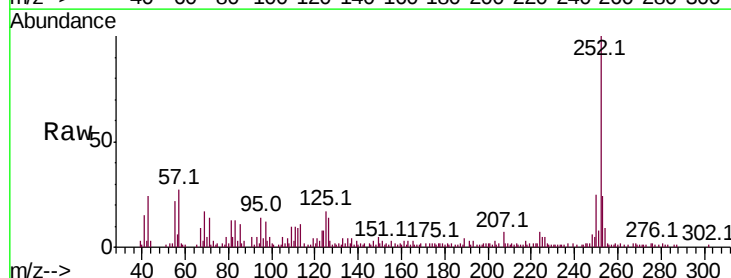
RT: 15.23 min Scan# 2234

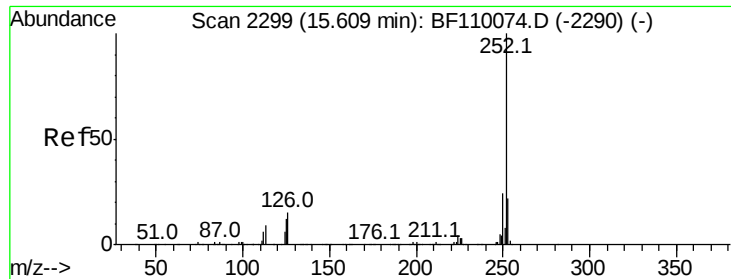
Delta R.T. -0.04 min

Lab File: BF110251.D

Acq: 29 Oct 2018 10:10

Tgt Ion:252	Resp:	75769
Ion Ratio	Lower	Upper
252	100	
253	24.5	17.2 25.8
125	16.8	7.4 11.0#

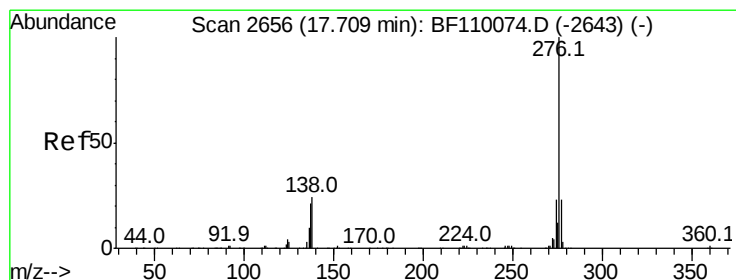
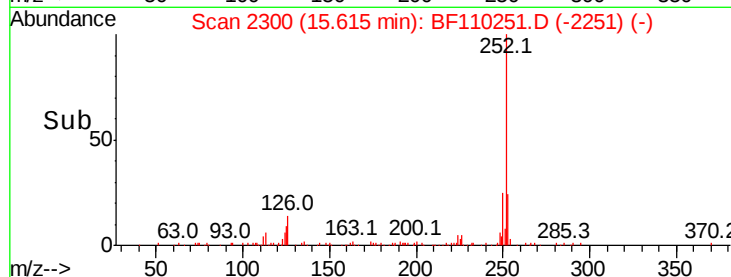
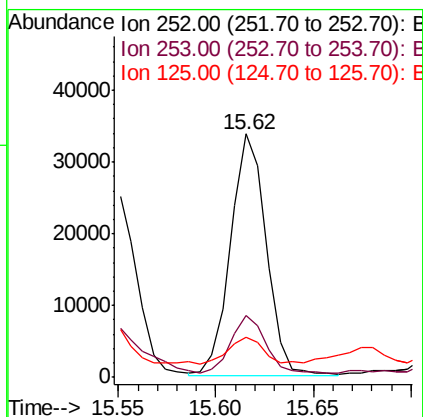
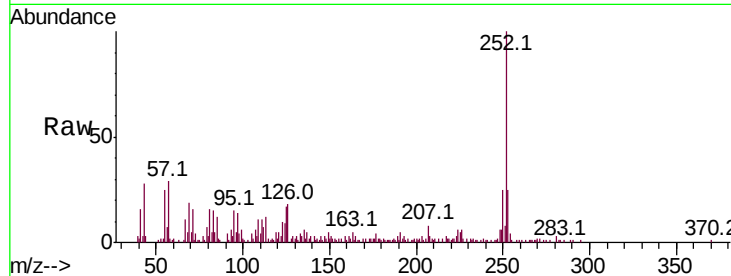




#90
Benzo(a)pyrene
Concen: 4.015 ng
RT: 15.62 min Scan# 2300
Delta R.T. -0.01 min
Lab File: BF110251.D
Acq: 29 Oct 2018 10:10

Instrument :
BNA_F
ClientSampled :

Tot Ion:252 Resp: 42942
Ion Ratio Lower Upper
252 100
253 25.5 18.2 27.4
125 16.6 9.0 13.6#



#92
Benzo(g,h,i)perylene
Concen: 2.381 ng
RT: 17.73 min Scan# 2659
Delta R.T. -0.01 min
Lab File: BF110251.D
Acq: 29 Oct 2018 10:10

Tgt Ion:276 Resp: 21656
Ion Ratio Lower Upper
276 100
277 25.4 18.8 28.2
138 22.1 16.0 24.0

