

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102618\
 Data File : BF110210.D
 Acq On : 26 Oct 2018 15:29
 Operator : JU/SJ
 Sample : J5624-09
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 26 23:38:20 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	148589	20.00	ng	-0.01
21) Naphthalene-d8	8.25	136	575860	20.00	ng	-0.02
39) Acenaphthene-d10	10.01	164	230749	20.00	ng	-0.02
64) Phenanthrene-d10	11.50	188	345280	20.00	ng	-0.01
76) Chrysene-d12	14.15	240	255184	20.00	ng	-0.01
87) Perylene-d12	15.68	264	175288	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.59	112	701021	76.83	ng	0.00
7) Phenol-d6	6.59	99	887713	76.06	ng	-0.01
23) Nitrobenzene-d5	7.53	82	549147	56.56	ng	-0.02
42) 2,4,6-Tribromophenol	10.80	330	142470	62.33	ng	-0.01
45) 2-Fluorobiphenyl	9.33	172	925092	62.95	ng	-0.01
79) Terphenyl-d14	13.09	244	630323	51.37	ng	-0.02

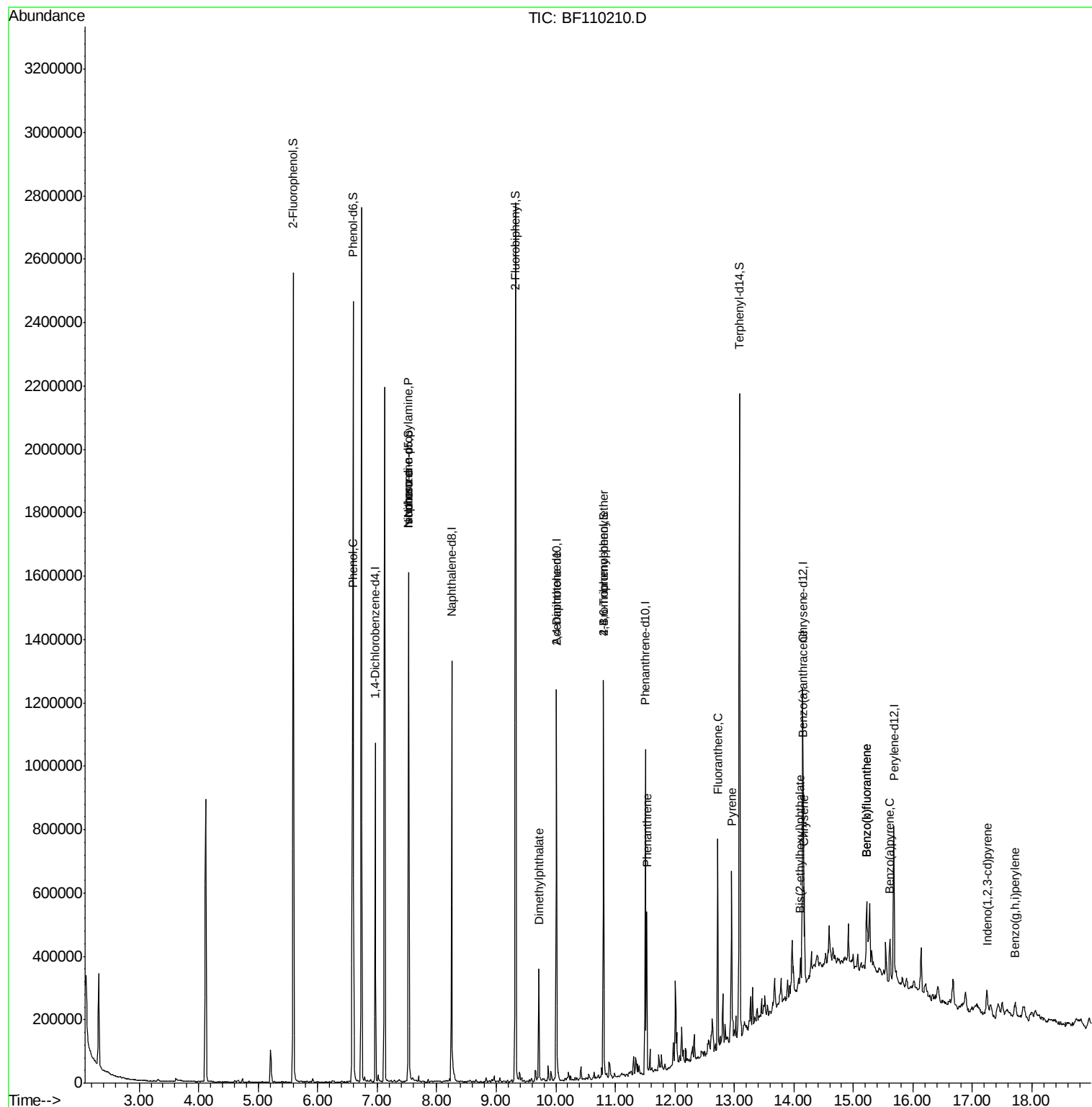
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.60	94	126641	10.151	ng	# 64
19) n-Nitroso-di-n-propylamine	7.53	70	71723	9.579	ng	# 79
25) Isophorone	7.53	82	549142	33.181	ng	# 67
50) Dimethylphthalate	9.72	163	139935	8.215	ng	99
57) 2,4-Dinitrotoluene	10.01	165	30114	6.462	ng	# 19
67) 4-Bromophenyl-phenylether	10.80	248	9179	2.451	ng	# 1
71) Phenanthrene	11.53	178	174515	9.660	ng	98
75) Fluoranthene	12.72	202	248563	13.556	ng	99
78) Pyrene	12.95	202	199385	10.899	ng	98
81) Benzo(a)anthracene	14.14	228	95660	6.321	ng	95
83) Chrysene	14.17	228	104123	7.244	ng	96
84) Bis(2-ethylhexyl)phthalate	14.11	149	22350	2.082	ng	# 93
86) Indeno(1,2,3-cd)pyrene	17.24	276	43032	3.609	ng	96
88) Benzo(b)fluoranthene	15.23	252	150248	14.843	ng	# 95
89) Benzo(k)fluoranthene	15.23	252	150248	15.099	ng	# 94
90) Benzo(a)pyrene	15.61	252	58745	6.307	ng	# 92
92) Benzo(a,h,i)perylene	17.72	276	41835	5.283	ng	# 90

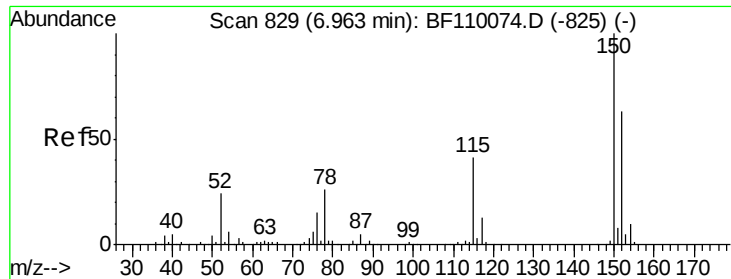
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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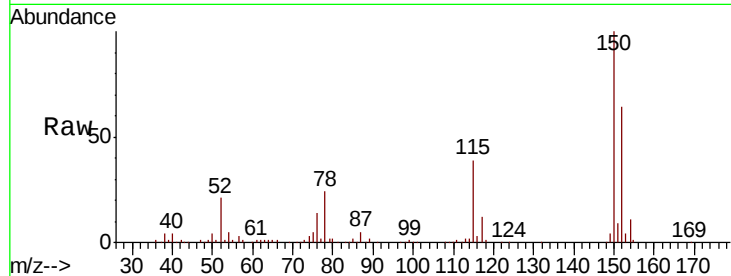


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. -0.01 min
Lab File: BF110210.D
Acq: 26 Oct 2018 15:29

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.6	122.7	184.1
115	60.2	49.1	73.7

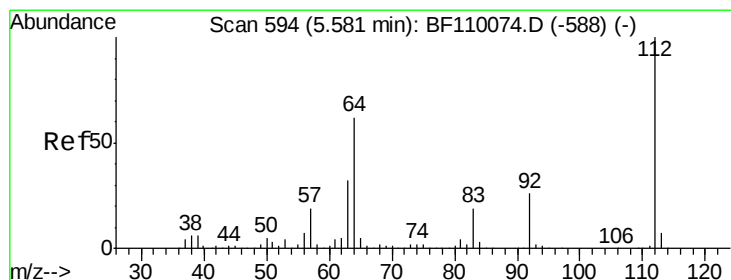
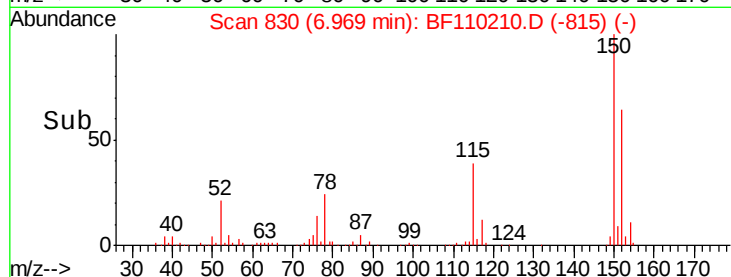
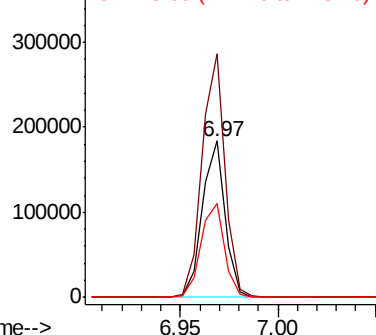


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

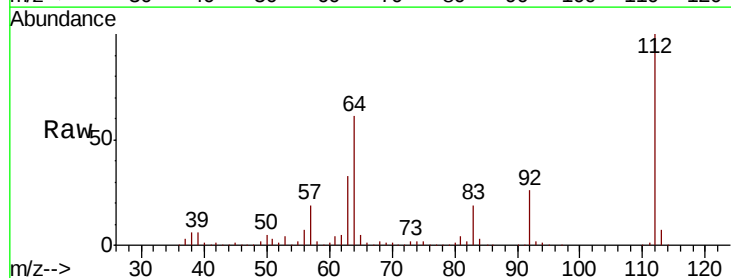
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 76.828 ng
RT: 5.59 min Scan# 596
Delta R.T. -0.01 min
Lab File: BF110210.D
Acq: 26 Oct 2018 15:29

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.6	44.1	66.1
63	32.7	23.7	35.5

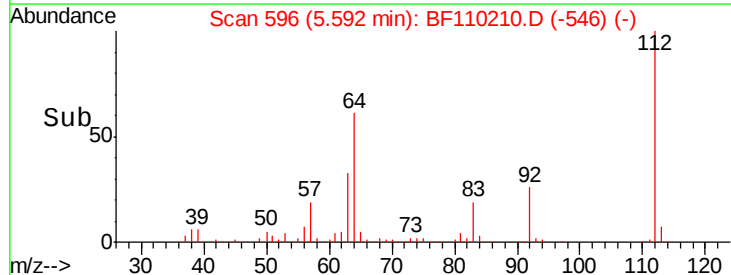
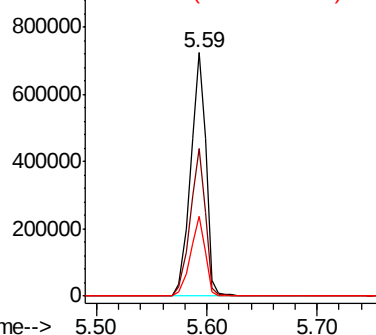


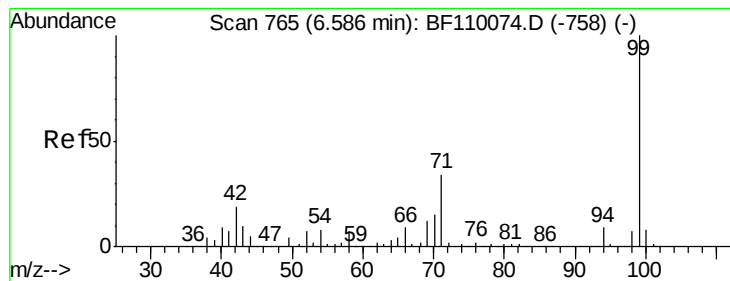
Abundance

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: 76.061 ng

RT: 6.59 min Scan# 766

Delta R.T. -0.01 min

Lab File: BF110210.D

Acq: 26 Oct 2018 15:29

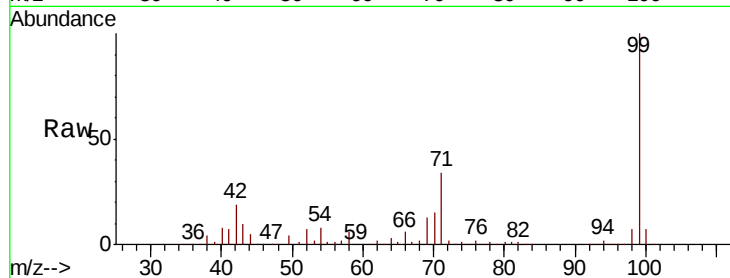
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 887713

Ion	Ratio	Lower	Upper
99	100		
42	19.4	15.8	23.6
71	34.3	28.0	42.0

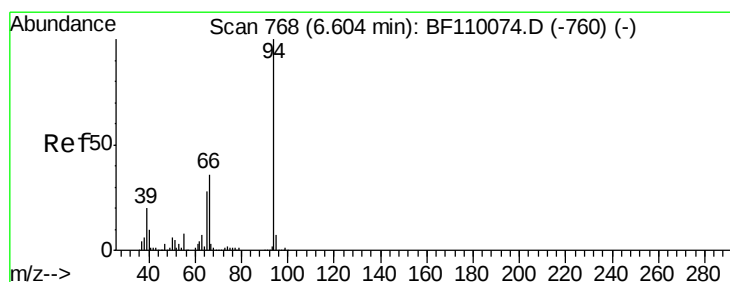
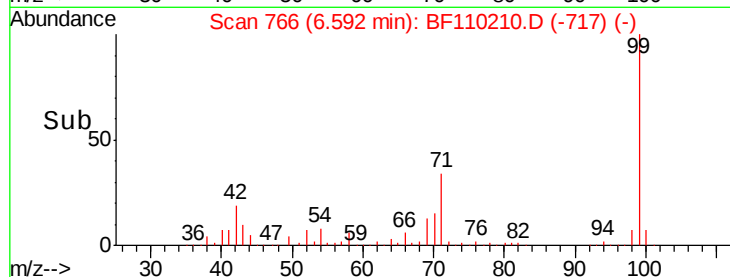
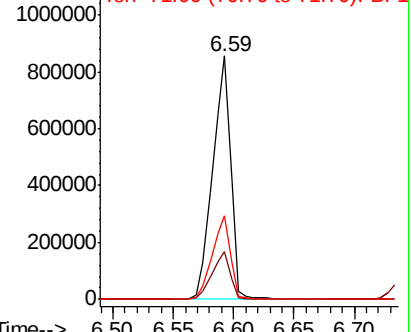


Abundance

Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 10.151 ng

RT: 6.60 min Scan# 768

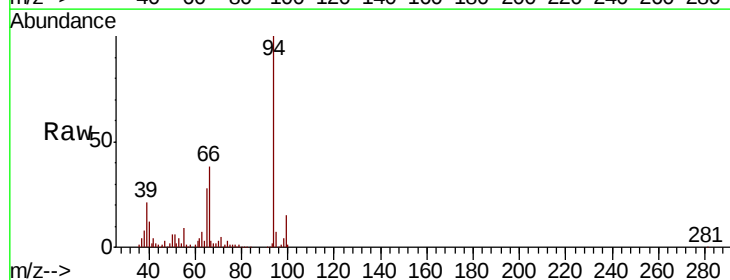
Delta R.T. -0.01 min

Lab File: BF110210.D

Acq: 26 Oct 2018 15:29

Tgt Ion: 94 Resp: 126641

Ion	Ratio	Lower	Upper
94	100		
65	28.4	25.3	65.3
66	38.1	54.5	94.5#

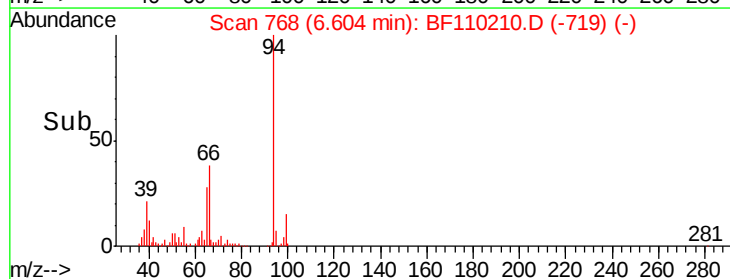
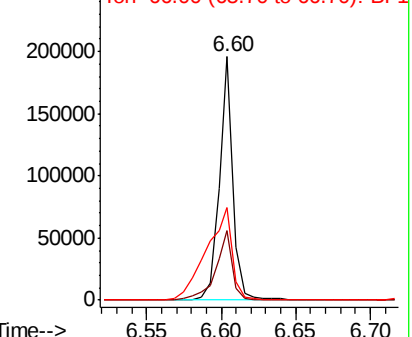


Abundance

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

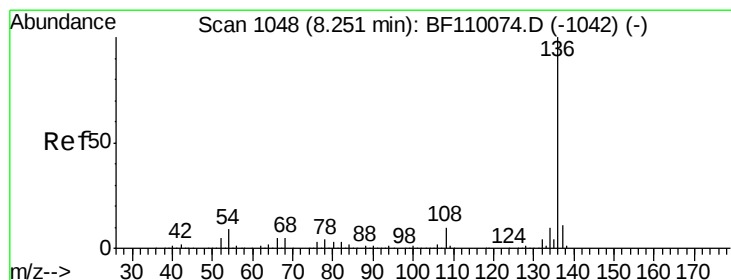
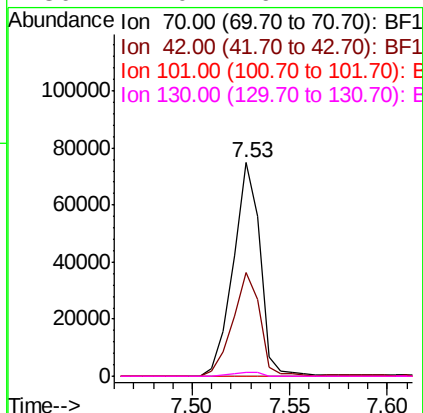
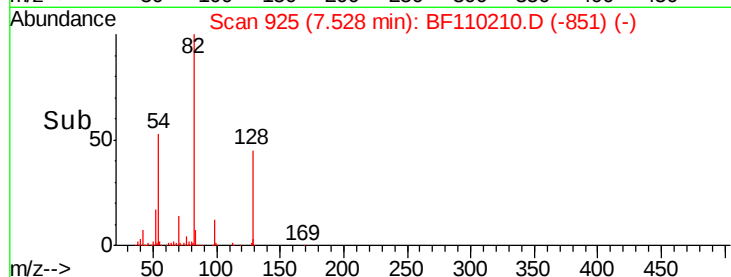
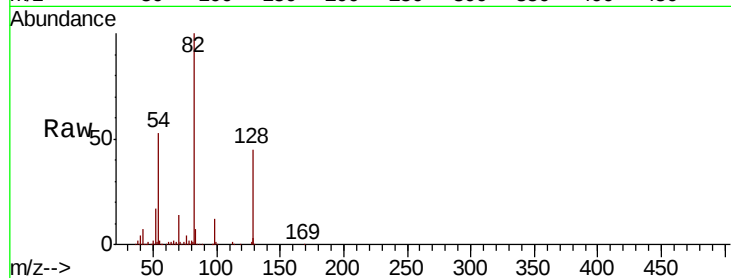




#19
n-Nitroso-di-n-propylamine
Concen: 9.579 ng
RT: 7.53 min Scan# 925
Delta R.T. 0.14 min
Lab File: BF110210.D
Acq: 26 Oct 2018 15:29

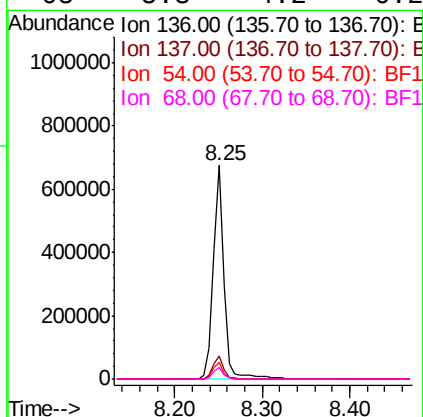
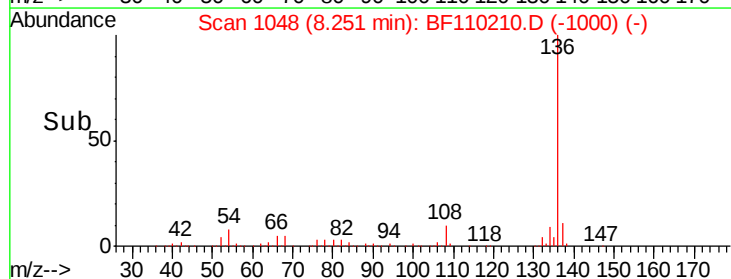
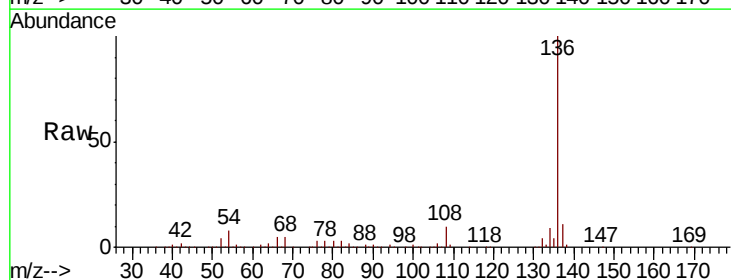
Instrument :
BNA_F
ClientSampleId :

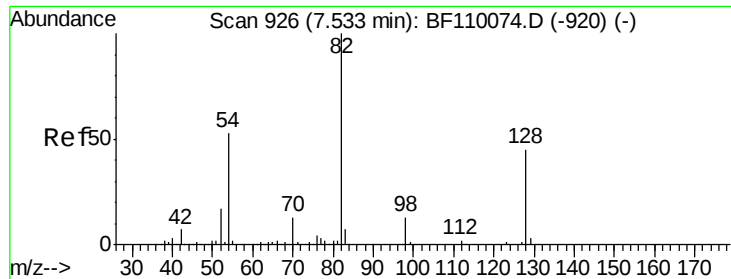
Tot Ion	Ratio	Lower	Upper
70	100		
42	48.4	47.4	71.2
101	0.0	7.3	10.9#
130	2.0	16.2	24.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1048
Delta R.T. -0.02 min
Lab File: BF110210.D
Acq: 26 Oct 2018 15:29

Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.8	13.2
54	7.6	5.4	8.2
68	5.3	4.2	6.2

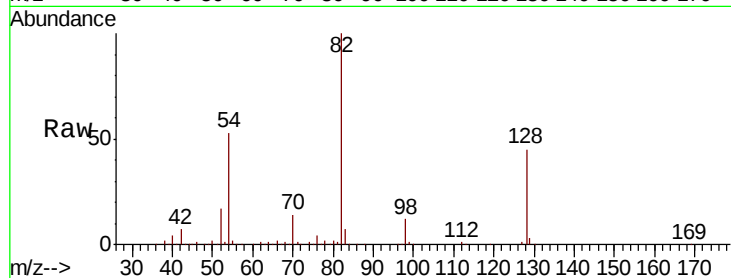




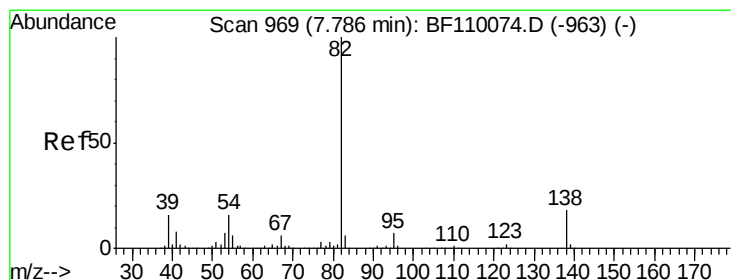
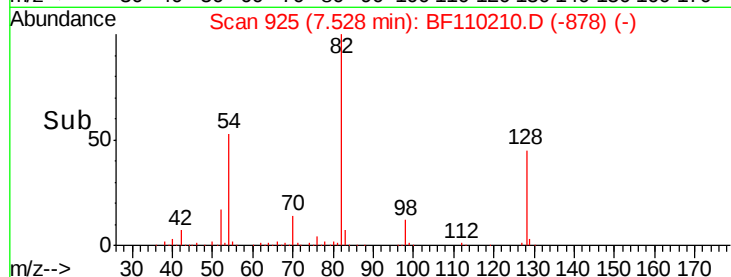
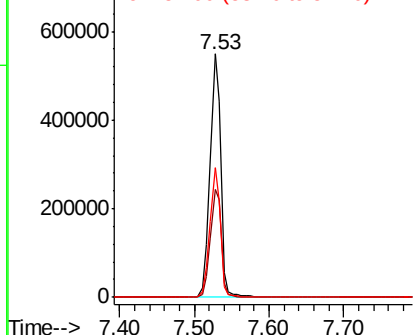
#23
Nitrobenzene-d5
Concen: 56.562 ng
RT: 7.53 min Scan# 925
Delta R.T. -0.02 min
Lab File: BF110210.D
Acq: 26 Oct 2018 15:29

Instrument :
BNA_F
ClientSampleId :

Tot Ion	82	Resp	549147
Ion Ratio	Lower	Upper	
82	100		
128	44.6	34.2	51.2
54	53.3	38.6	58.0

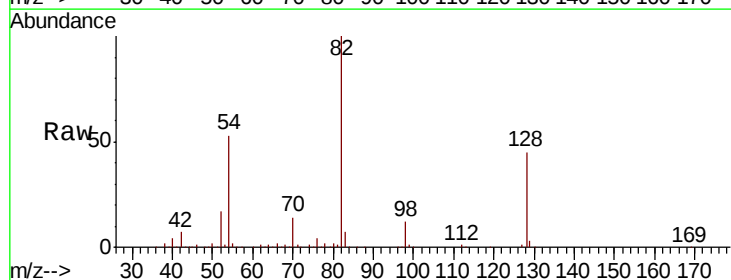


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

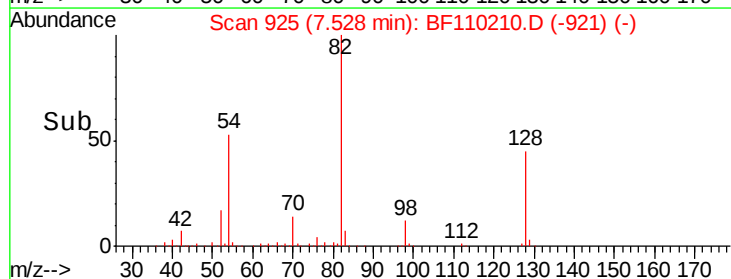
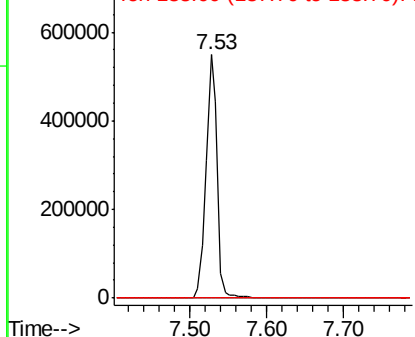


#25
Isophorone
Concen: 33.181 ng
RT: 7.53 min Scan# 925
Delta R.T. -0.28 min
Lab File: BF110210.D
Acq: 26 Oct 2018 15:29

Tgt Ion	82	Resp	549142
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: BF110210.D

Acq: 26 Oct 2018 15:29

Instrument :

BNA_F

ClientSampleId :

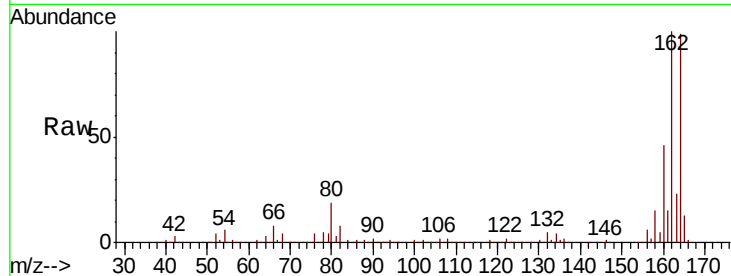
Tot Ion:164 Resp: 230749

Ion Ratio Lower Upper

164 100

162 100.5 83.0 124.6

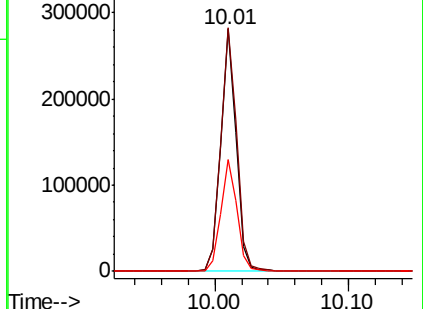
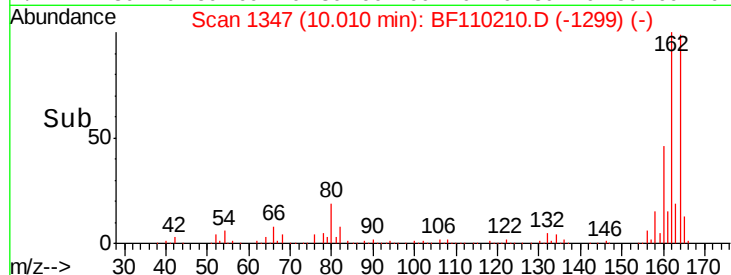
160 46.3 37.0 55.6



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: 62.330 ng

RT: 10.80 min Scan# 1482

Delta R.T. -0.01 min

Lab File: BF110210.D

Acq: 26 Oct 2018 15:29

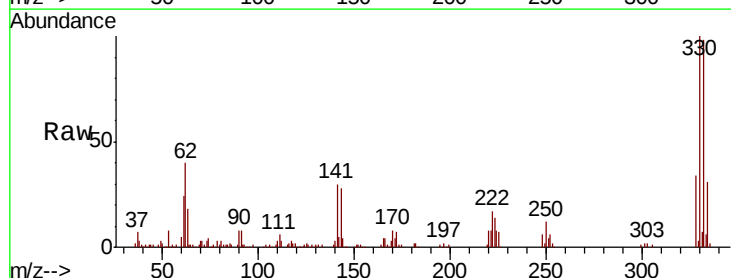
Tgt Ion:330 Resp: 142470

Ion Ratio Lower Upper

330 100

332 96.9 77.1 115.7

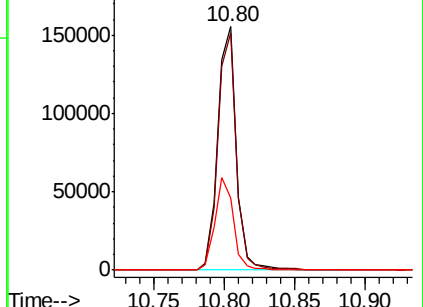
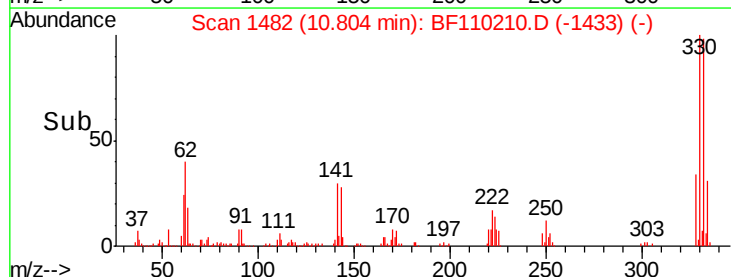
141 38.2 27.0 40.4



Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

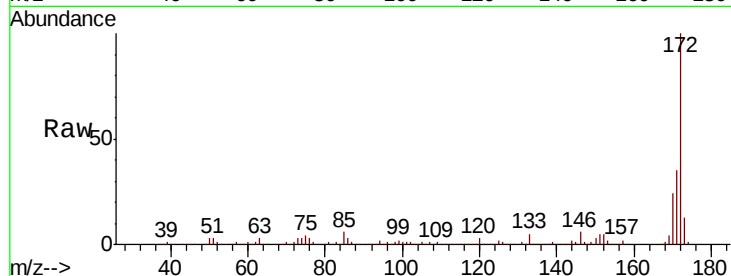




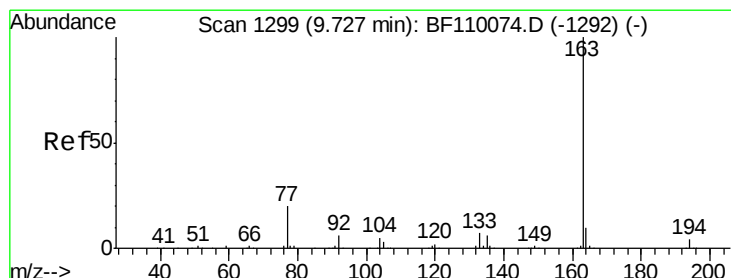
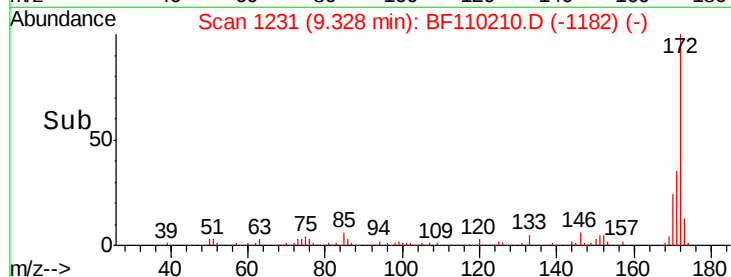
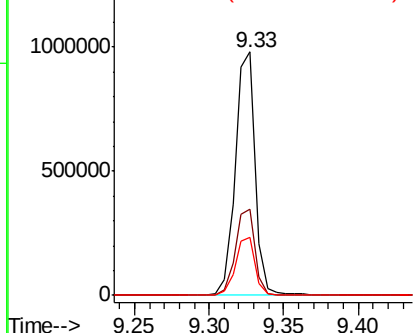
#45
2-Fluorobiphenyl
Concen: 62.953 ng
RT: 9.33 min Scan# 1231
Delta R.T. -0.01 min
Lab File: BF110210.D
Acq: 26 Oct 2018 15:29

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.2	28.6	43.0
170	23.8	19.7	29.5

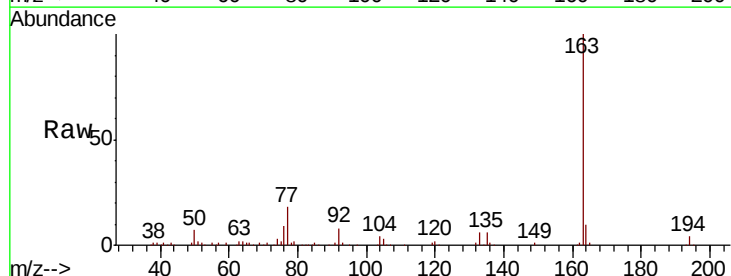


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

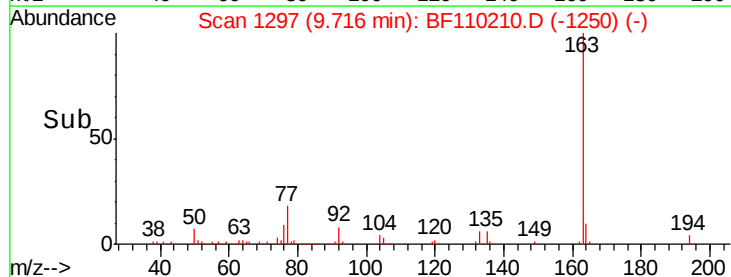
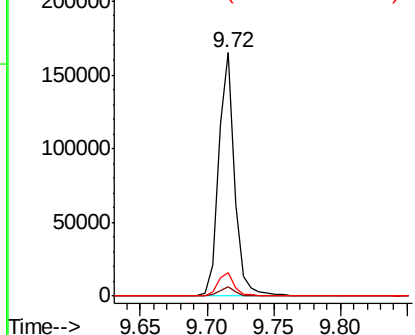


#50
Dimethylphthalate
Concen: 8.215 ng
RT: 9.72 min Scan# 1297
Delta R.T. -0.02 min
Lab File: BF110210.D
Acq: 26 Oct 2018 15:29

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.7	3.2	4.8
164	9.6	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

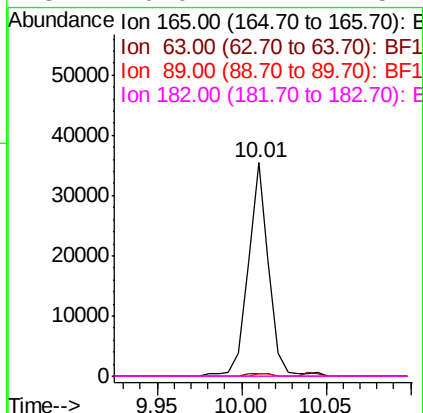
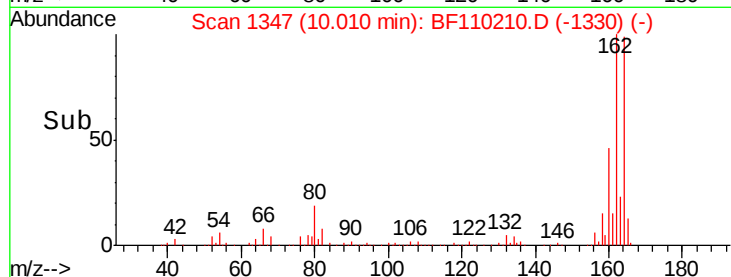
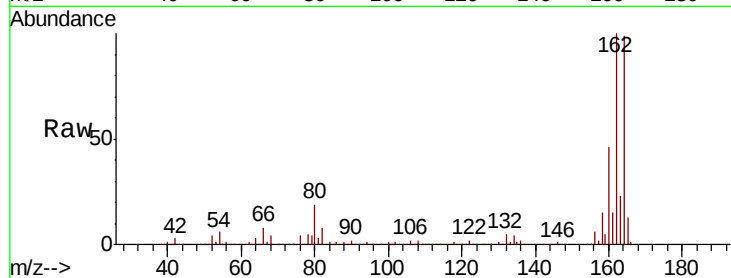




#57
2,4-Dinitrotoluene
Concen: 6.462 ng
RT: 10.01 min Scan# 1347
Delta R.T. -0.20 min
Lab File: BF110210.D
Acq: 26 Oct 2018 15:29

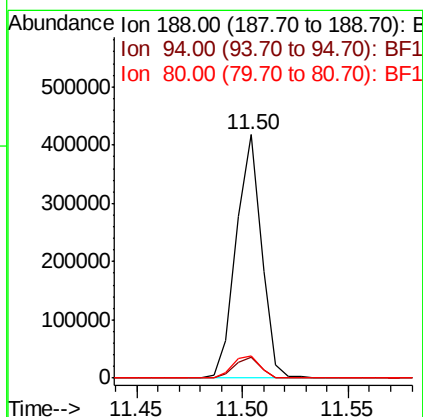
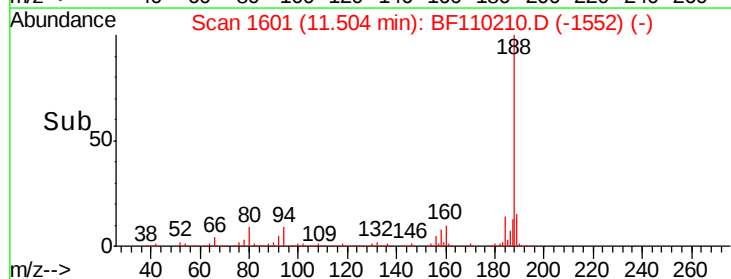
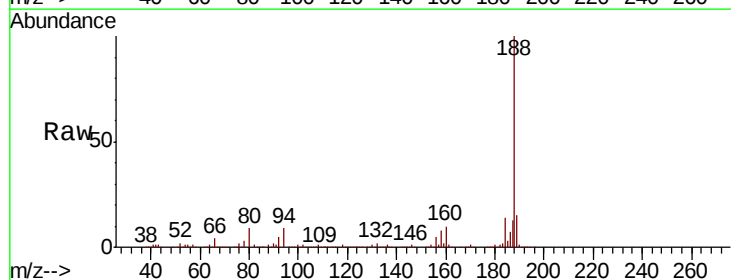
Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.4	44.8	67.2#
89	1.3	62.2	93.4#
182	0.0	2.1	3.1#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: BF110210.D
Acq: 26 Oct 2018 15:29

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.6	7.2	10.8
80	9.3	7.9	11.9

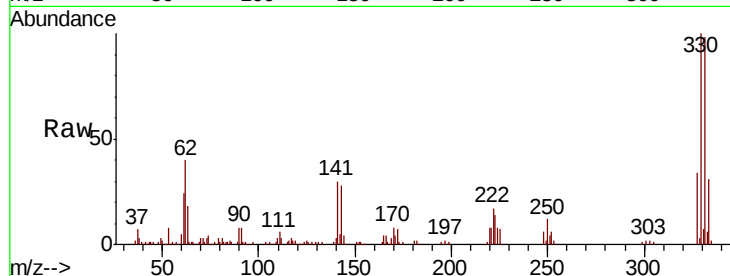




#67
 4-Bromophenyl-phenylether
 Concen: 2.451 ng
 RT: 10.80 min Scan# 1482
 Delta R.T. -0.25 min
 Lab File: BF110210.D
 Acq: 26 Oct 2018 15:29

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
248	100		
250	187.2	79.4	119.2#
141	474.1	55.9	83.9#

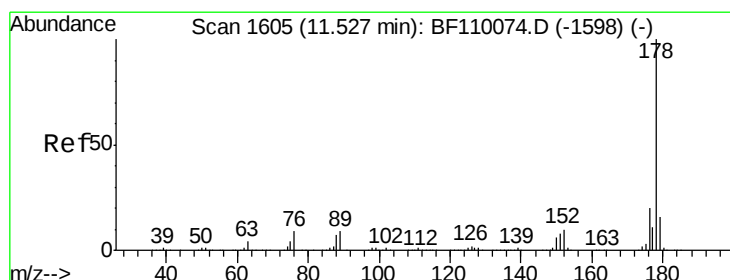
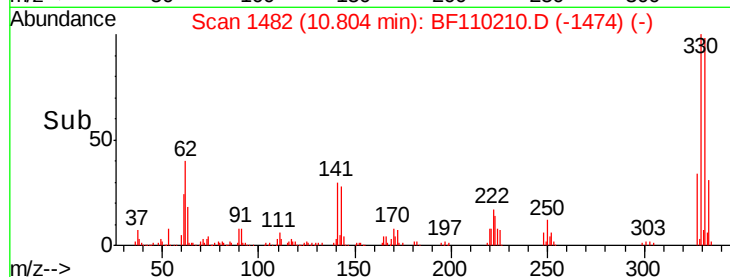
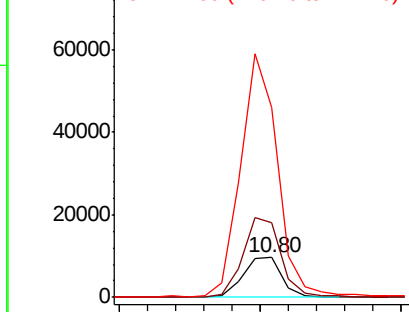


Abundance

Ion 248.00 (247.70 to 248.70): E

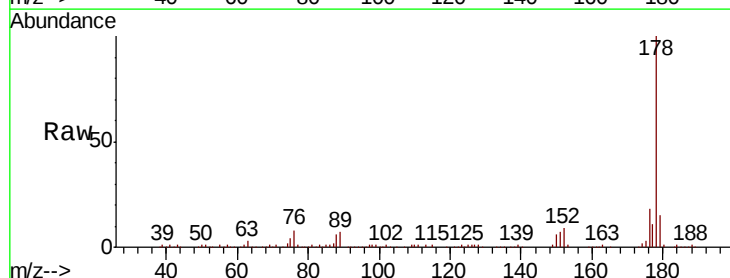
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#71
 Phenanthrene
 Concen: 9.660 ng
 RT: 11.53 min Scan# 1605
 Delta R.T. -0.02 min
 Lab File: BF110210.D
 Acq: 26 Oct 2018 15:29

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.5	23.3
179	15.0	12.5	18.7

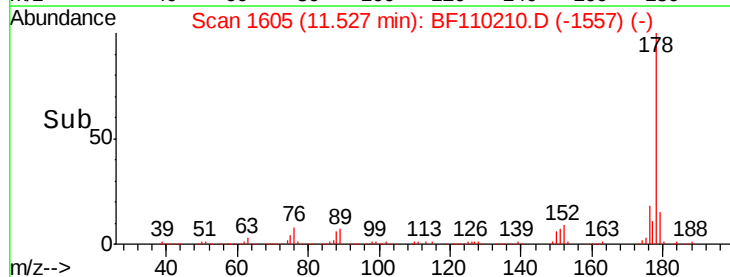
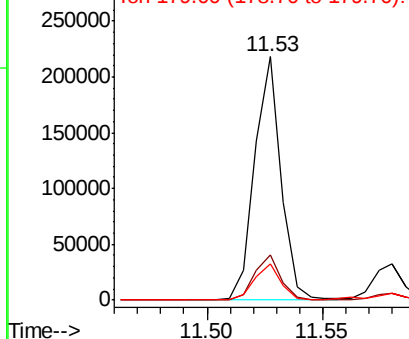


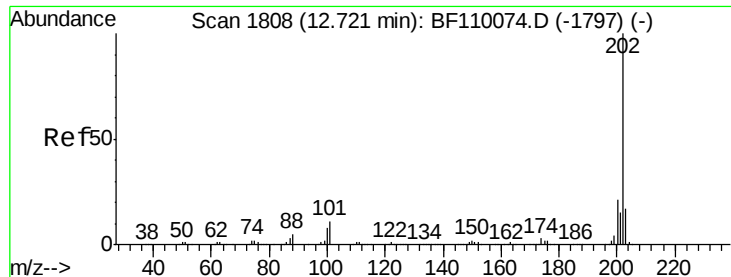
Abundance

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





#75

Fluoranthene

Concen: 13.556 ng

RT: 12.72 min Scan# 1808

Delta R.T. -0.01 min

Lab File: BF110210.D

Acq: 26 Oct 2018 15:29

Instrument :

BNA_F

ClientSampleId :

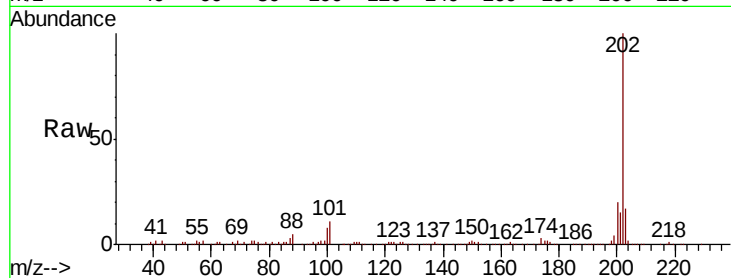
Tot Ion:202 Resp: 248563

Ion Ratio Lower Upper

202 100

101 11.1 0.0 31.4

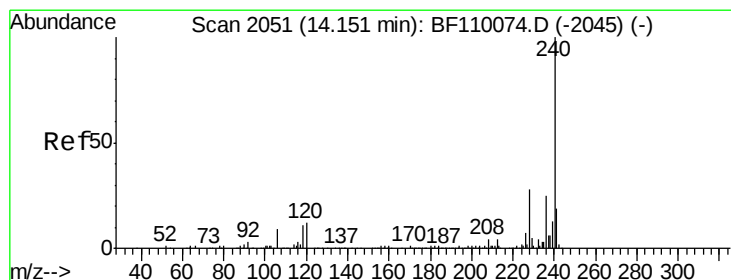
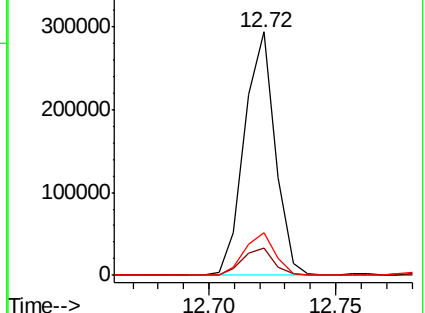
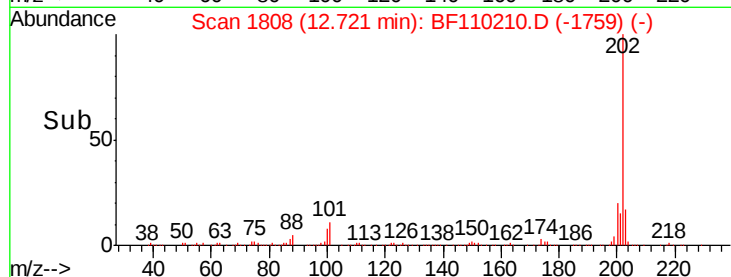
203 17.4 0.0 37.7



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: 14.15 min Scan# 2051

Delta R.T. -0.01 min

Lab File: BF110210.D

Acq: 26 Oct 2018 15:29

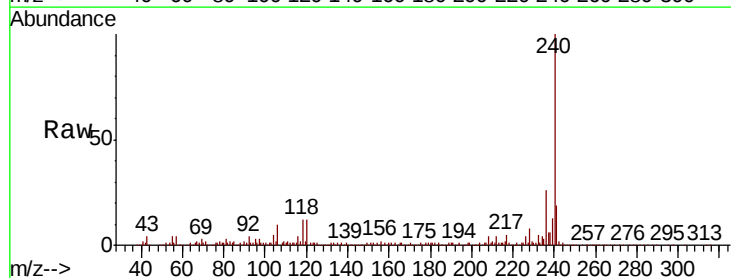
Tgt Ion:240 Resp: 255184

Ion Ratio Lower Upper

240 100

120 12.1 8.3 12.5

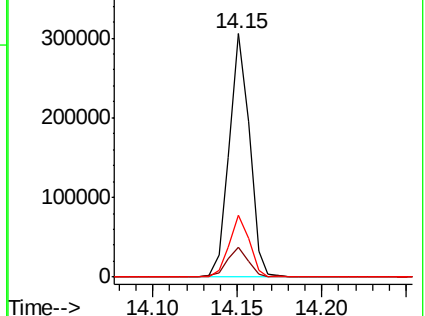
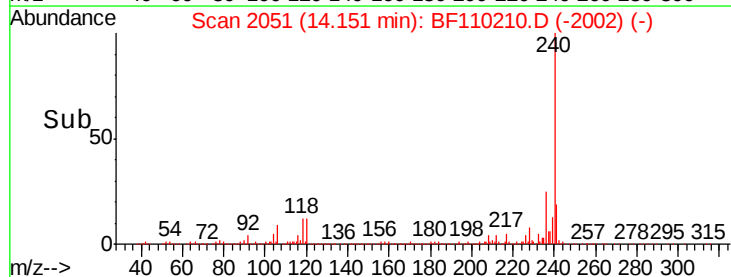
236 25.6 21.2 31.8

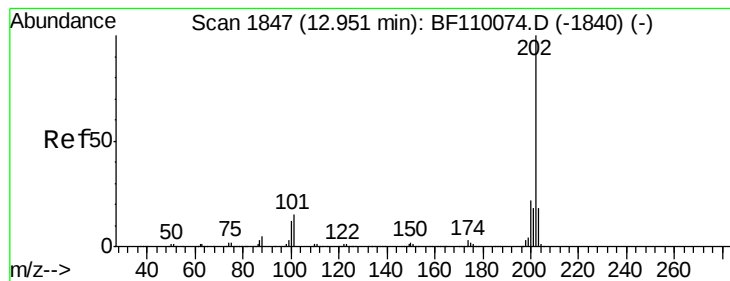


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 10.899 ng

RT: 12.95 min Scan# 1847

Delta R.T. -0.02 min

Lab File: BF110210.D

Acq: 26 Oct 2018 15:29

Instrument :

BNA_F

ClientSampleId :

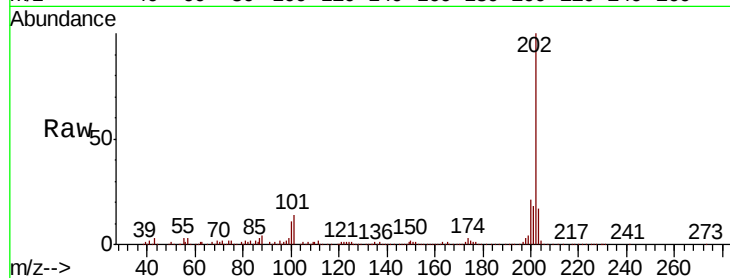
Tot Ion:202 Resp: 199385

Ion Ratio Lower Upper

202 100

200 21.0 17.8 26.6

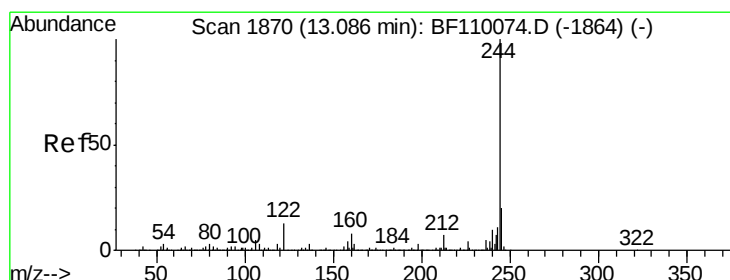
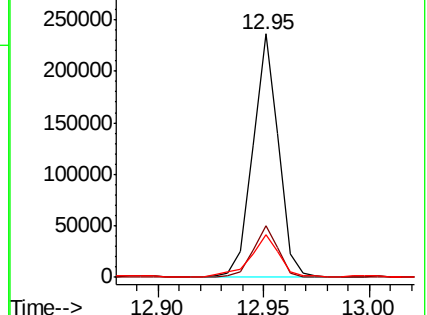
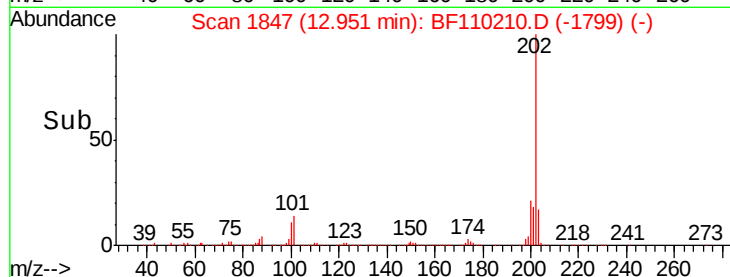
203 17.5 14.2 21.4



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: 51.370 ng

RT: 13.09 min Scan# 1870

Delta R.T. -0.02 min

Lab File: BF110210.D

Acq: 26 Oct 2018 15:29

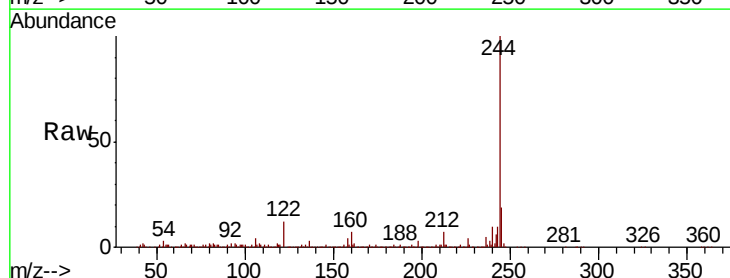
Tgt Ion:244 Resp: 630323

Ion Ratio Lower Upper

244 100

212 7.1 5.8 8.8

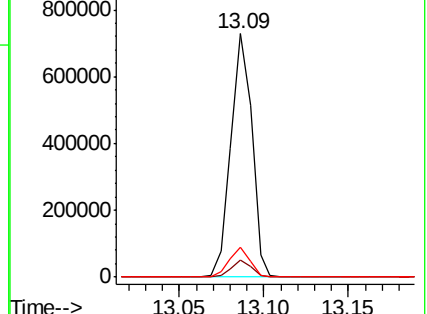
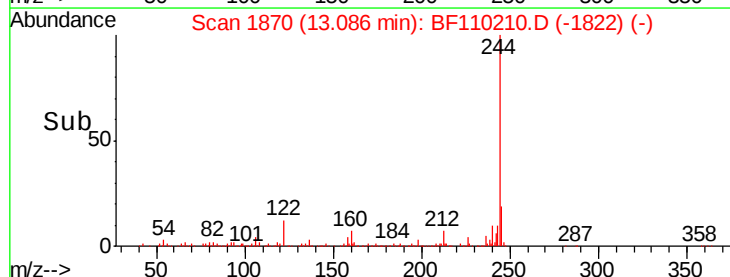
122 12.4 8.7 13.1

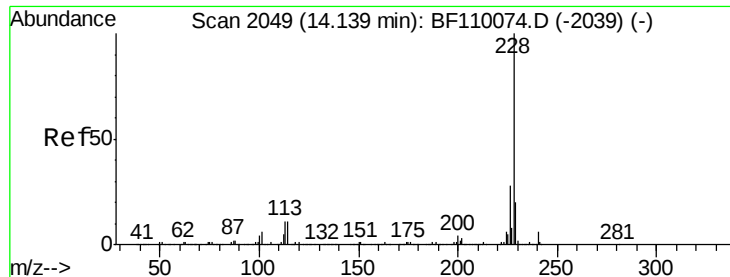


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 6.321 ng

RT: 14.14 min Scan# 2049

Delta R.T. -0.01 min

Lab File: BF110210.D

Acq: 26 Oct 2018 15:29

Instrument :

BNA_F

ClientSampled :

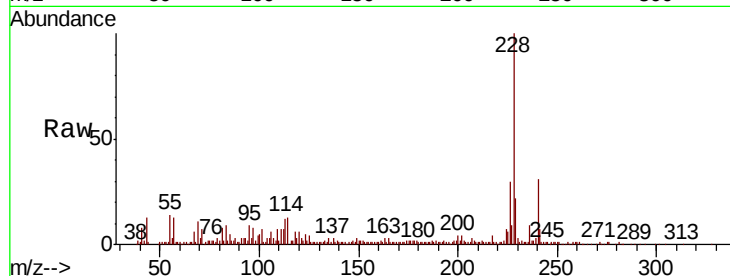
Tot Ion:228 Resp: 95660

Ion Ratio Lower Upper

228 100

226 29.8 22.1 33.1

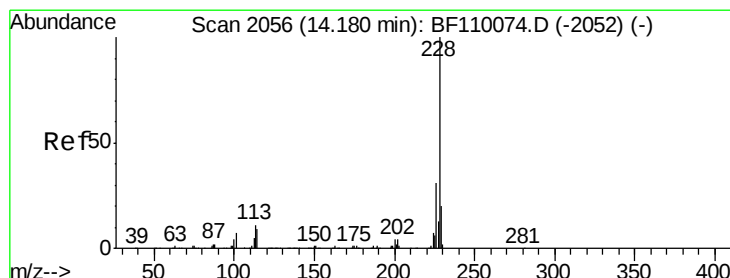
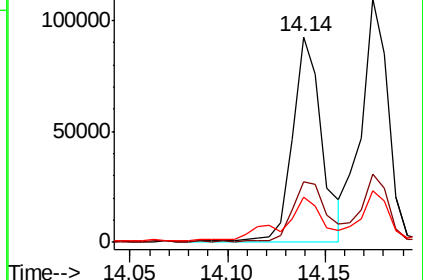
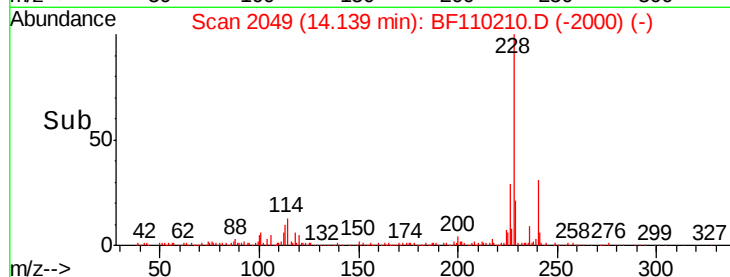
229 21.9 15.6 23.4



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: 7.244 ng

RT: 14.17 min Scan# 2055

Delta R.T. -0.02 min

Lab File: BF110210.D

Acq: 26 Oct 2018 15:29

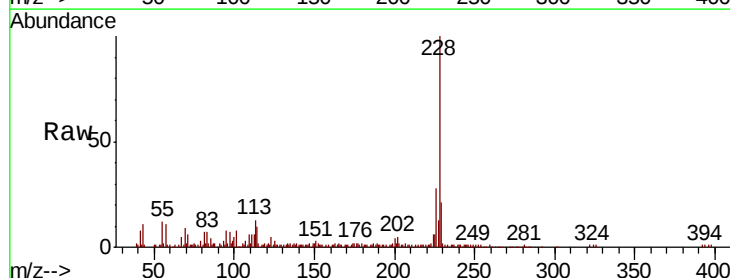
Tgt Ion:228 Resp: 104123

Ion Ratio Lower Upper

228 100

226 28.1 24.7 37.1

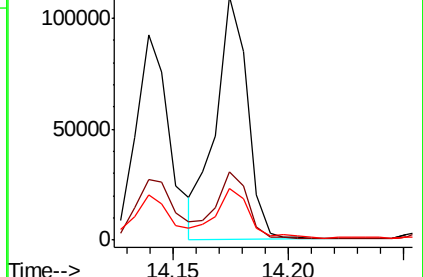
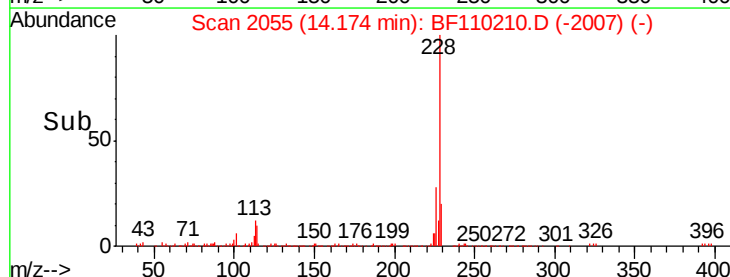
229 21.1 15.9 23.9

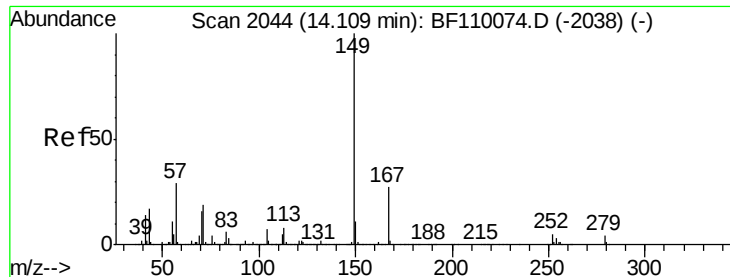


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#84

Bis(2-ethylhexyl)phthalate

Concen: 2.082 ng

RT: 14.11 min Scan# 2044

Delta R.T. -0.02 min

Lab File: BF110210.D

Acq: 26 Oct 2018 15:29

Instrument :

BNA_F

ClientSampleId :

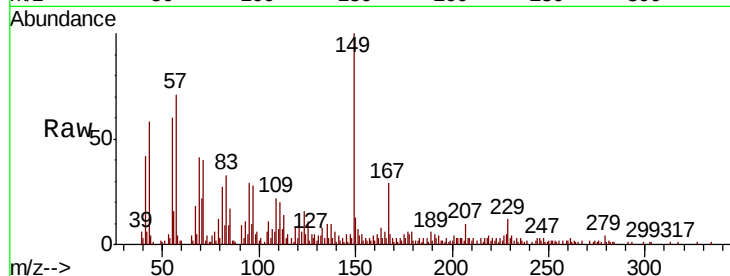
Tot Ion:149 Resp: 22350

Ion Ratio Lower Upper

149 100

167 28.8 19.8 29.8

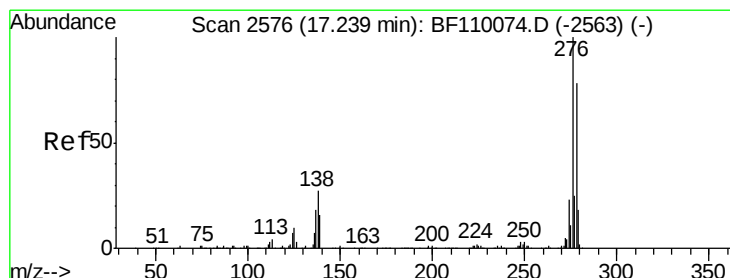
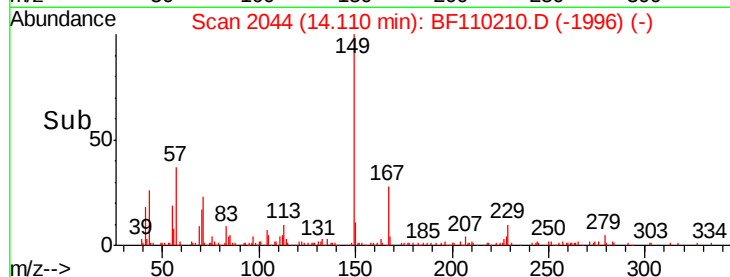
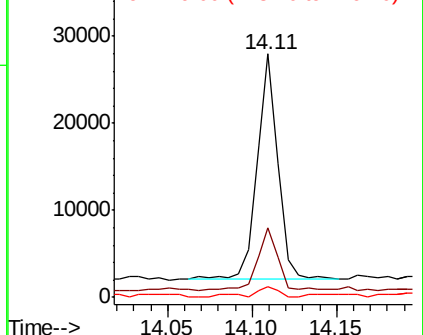
279 4.3 2.7 4.1#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#86

Indeno(1,2,3-cd)pyrene

Concen: 3.609 ng

RT: 17.24 min Scan# 2576

Delta R.T. -0.02 min

Lab File: BF110210.D

Acq: 26 Oct 2018 15:29

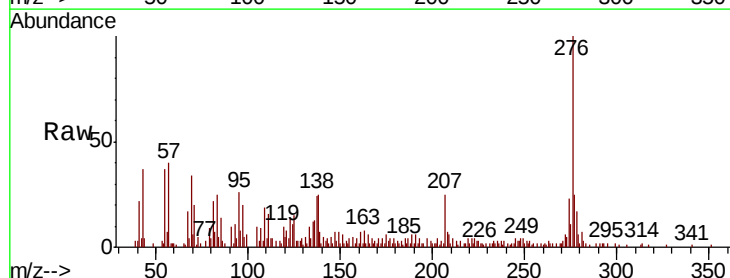
Tgt Ion:276 Resp: 43032

Ion Ratio Lower Upper

276 100

138 24.6 18.5 27.7

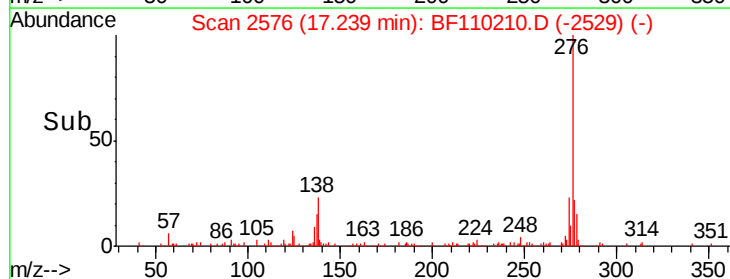
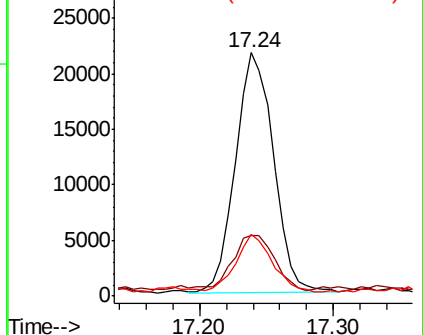
277 22.5 20.0 30.0

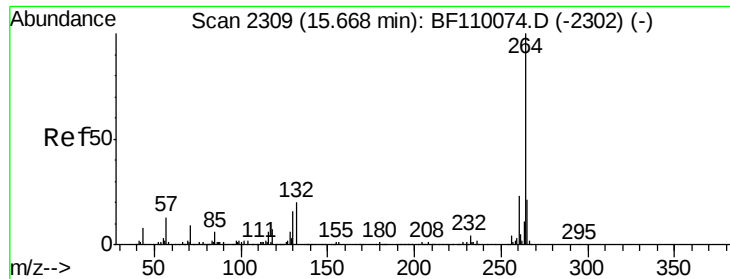


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

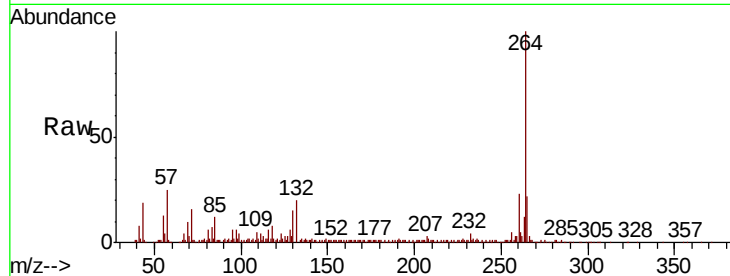




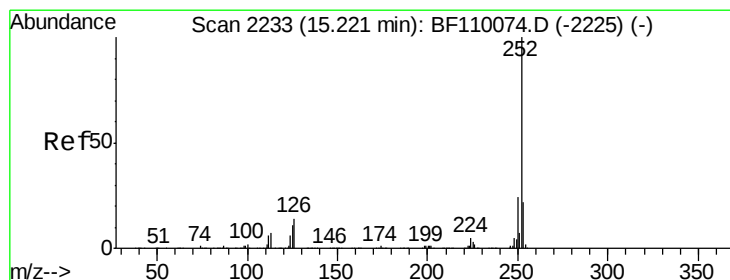
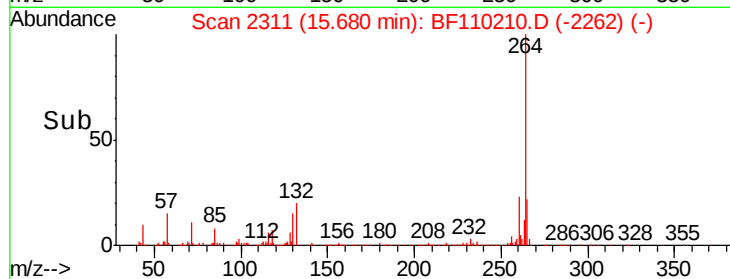
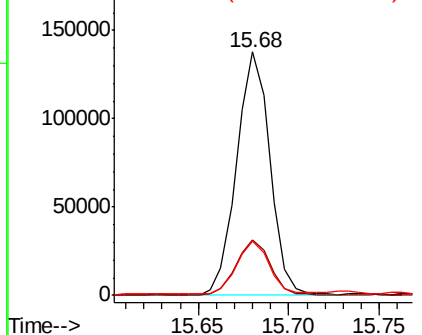
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.68 min Scan# 2311
Delta R.T. -0.01 min
Lab File: BF110210.D
Acq: 26 Oct 2018 15:29

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.7	28.1
265	22.1	16.7	25.1

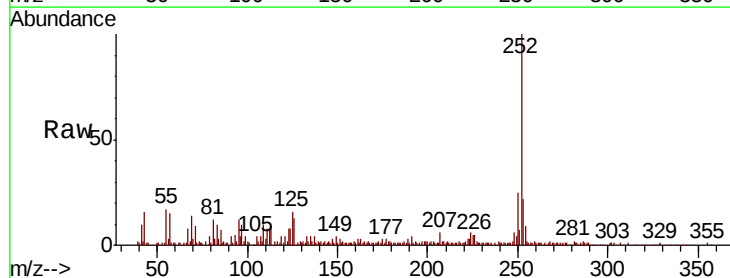


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

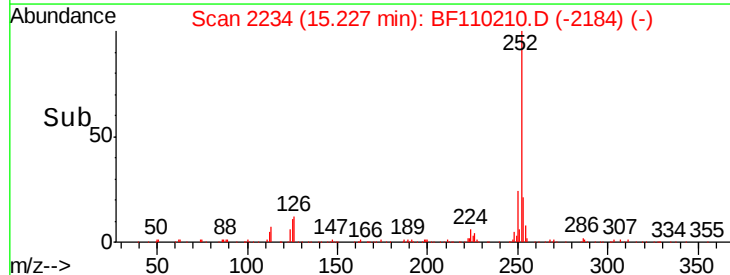
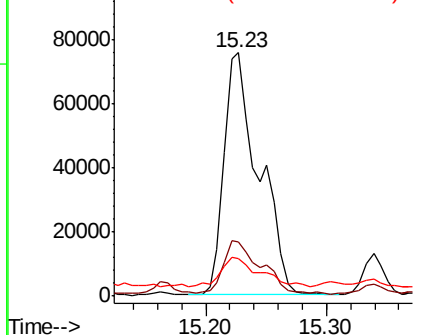


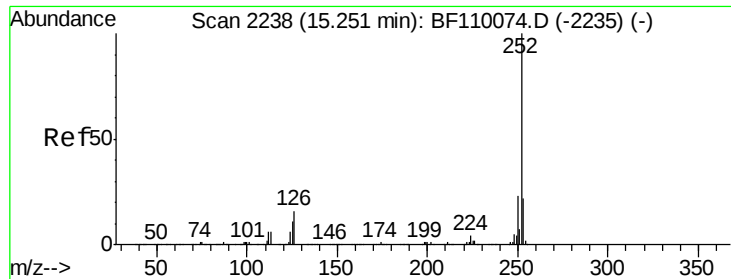
#88
Benzo(b)fluoranthene
Concen: 14.843 ng
RT: 15.23 min Scan# 2234
Delta R.T. -0.01 min
Lab File: BF110210.D
Acq: 26 Oct 2018 15:29

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.2	25.8
125	15.6	8.2	12.4



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

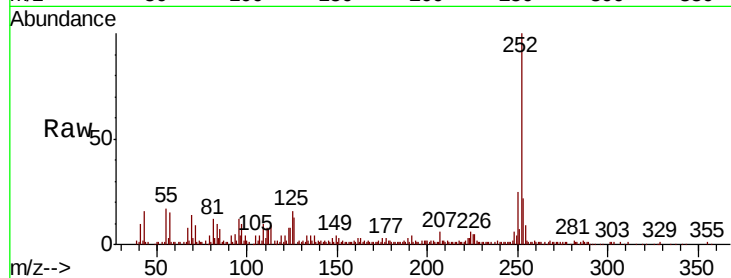




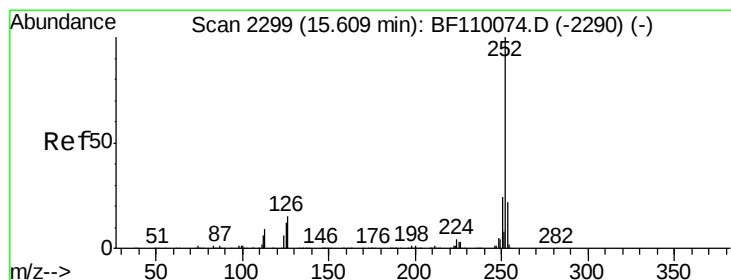
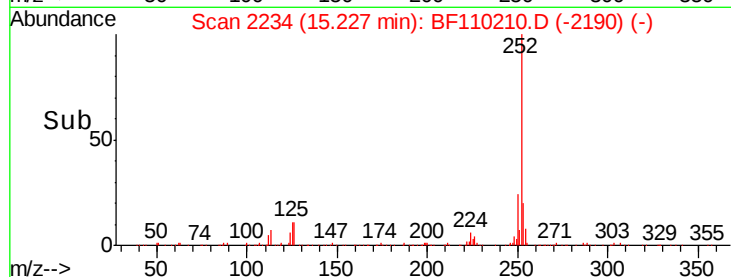
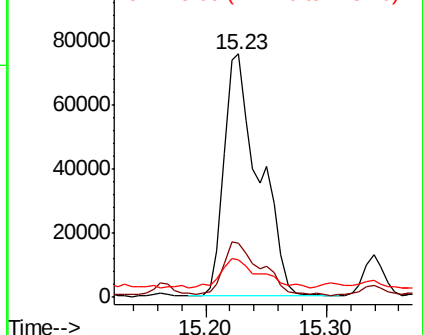
#89
Benzo(k)fluoranthene
Concen: 15.099 ng
RT: 15.23 min Scan# 2234
Delta R.T. -0.04 min
Lab File: BF110210.D
Acq: 26 Oct 2018 15:29

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 150248
Ion Ratio Lower Upper
252 100
253 22.1 17.2 25.8
125 15.6 7.4 11.0#

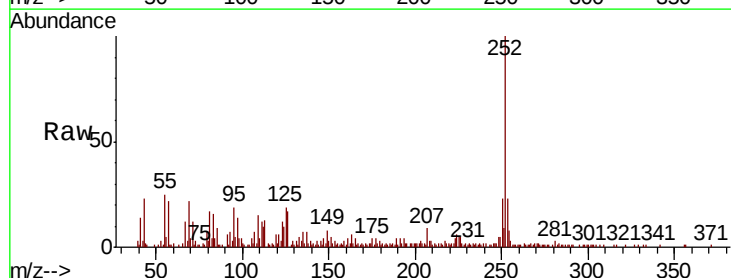


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

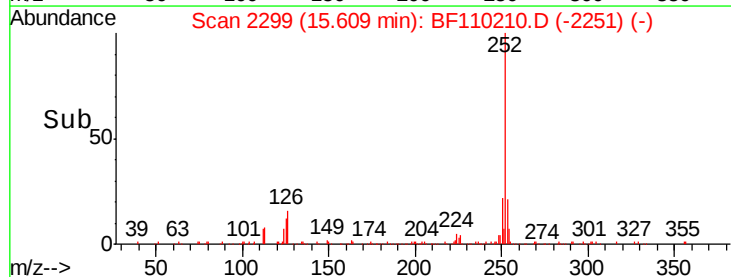
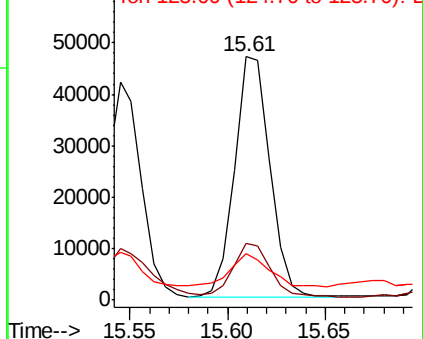


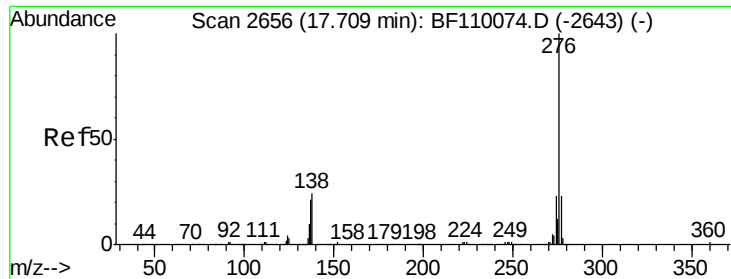
#90
Benzo(a)pyrene
Concen: 6.307 ng
RT: 15.61 min Scan# 2299
Delta R.T. -0.02 min
Lab File: BF110210.D
Acq: 26 Oct 2018 15:29

Tgt Ion:252 Resp: 58745
Ion Ratio Lower Upper
252 100
253 23.3 18.2 27.4
125 19.3 9.0 13.6#



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





#92
 Benzo(a,h,i)perylene
 Concen: 5.283 ng
 RT: 17.72 min Scan# 2657
 Delta R.T. -0.02 min
 Lab File: BF110210.D
 Acq: 26 Oct 2018 15:29

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	27.0	18.8	28.2
138	25.9	16.0	24.0

