

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110718\
 Data File : BF110570.D
 Acq On : 7 Nov 2018 21:55
 Operator : JU/SJ
 Sample : J5813-11
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 08 16:23:35 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 01 16:06:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	60157	20.00	ng	0.00
21) Naphthalene-d8	8.23	136	217602	20.00	ng	0.00
39) Acenaphthene-d10	9.99	164	88549	20.00	ng	0.00
64) Phenanthrene-d10	11.49	188	166230	20.00	ng	0.00
76) Chrysene-d12	14.14	240	151952	20.00	ng	0.00
87) Perylene-d12	15.67	264	100465	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.57	112	379524	102.74	ng	0.00
7) Phenol-d6	6.57	99	459757	97.30	ng	0.00
23) Nitrobenzene-d5	7.52	82	272676	74.33	ng	0.00
42) 2,4,6-Tribromophenol	10.79	330	85592	97.58	ng	0.00
45) 2-Fluorobiphenyl	9.31	172	405035	71.83	ng	0.00
79) Terphenyl-d14	13.07	244	393357	53.84	ng	0.00

Target Compounds

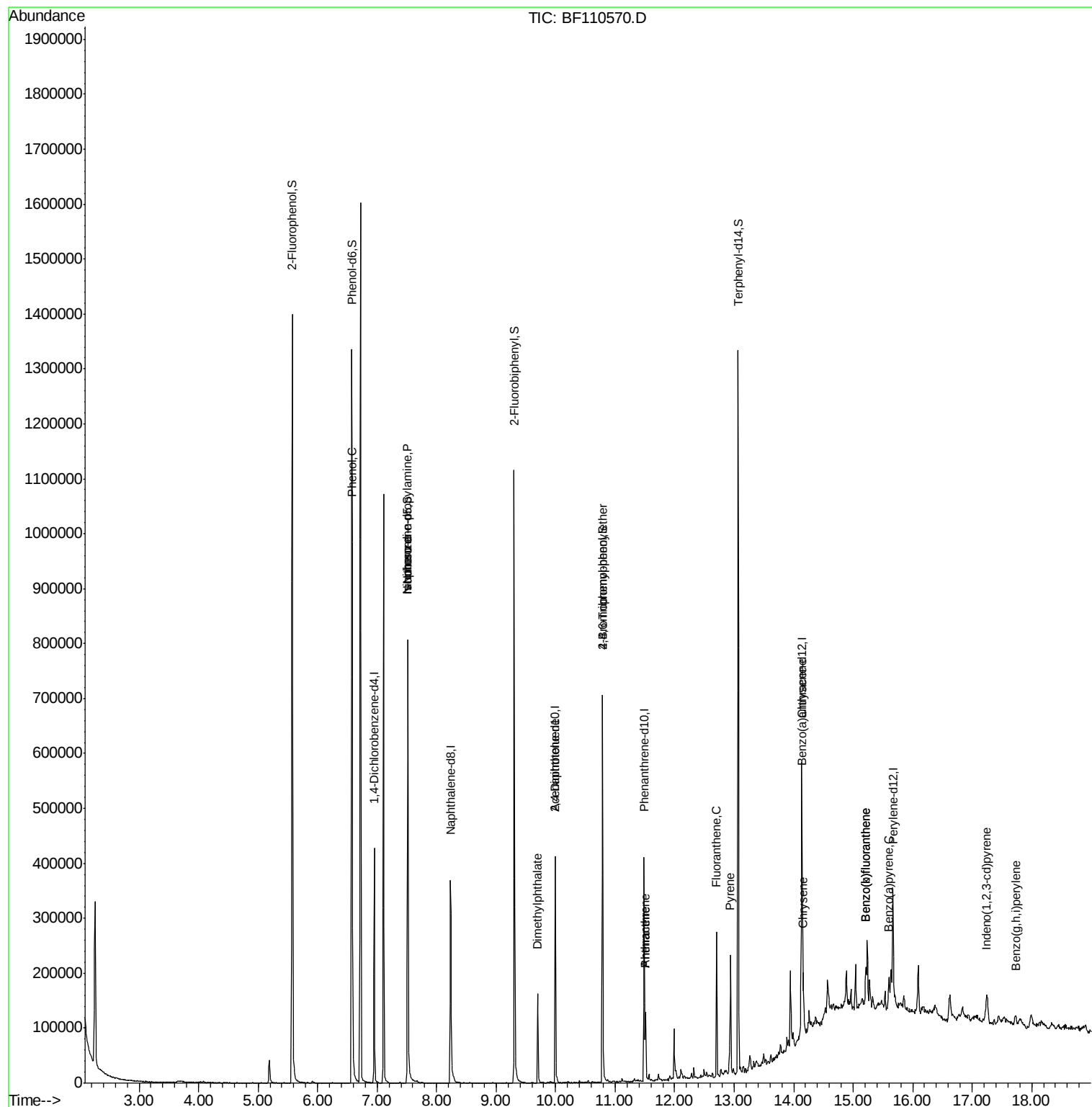
						Qvalue
10) Phenol	6.59	94	28872	5.716	ng	# 70
19) n-Nitroso-di-n-propylamine	7.52	70	35860	11.830	ng	# 78
25) Isophorone	7.52	82	272676	43.602	ng	# 67
50) Dimethylphthalate	9.70	163	74037	11.327	ng	99
57) 2,4-Dinitrotoluene	9.99	165	11151	6.235	ng	# 17
67) 4-Bromophenyl-phenylether	10.79	248	5190	2.878	ng	# 1
71) Phenanthrene	11.52	178	48619	5.590	ng	99
72) Anthracene	11.52	178	48619	5.577	ng	99
75) Fluoranthene	12.70	202	108960	12.343	ng	100
78) Pyrene	12.94	202	86243	7.917	ng	96
81) Benzo(a)anthracene	14.13	228	38421	4.264	ng	97
83) Chrysene	14.16	228	39666	4.635	ng	97
86) Indeno(1,2,3-cd)pyrene	17.24	276	15195	2.140	ng	# 83
88) Benzo(b)fluoranthene	15.22	252	55092	9.496	ng	# 89
89) Benzo(k)fluoranthene	15.22	252	55092	9.659	ng	# 88
90) Benzo(a)pyrene	15.60	252	24857	4.656	ng	# 92
92) Benzo(a,h,i)perylene	17.73	276	14963	3.297	ng	# 91

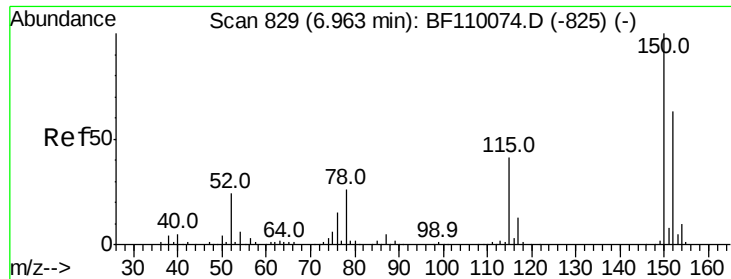
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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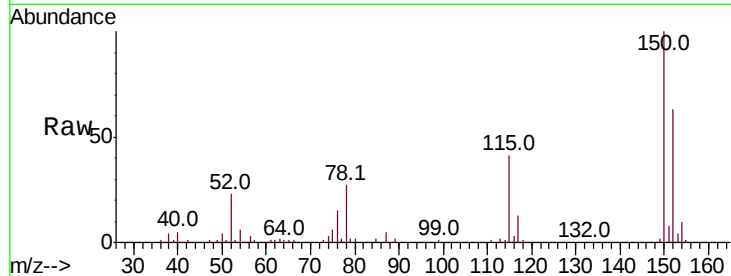


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 827
Delta R.T. -0.01 min
Lab File: BF110570.D
Acq: 7 Nov 2018 21:55

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.1	122.7	184.1
115	65.8	49.1	73.7

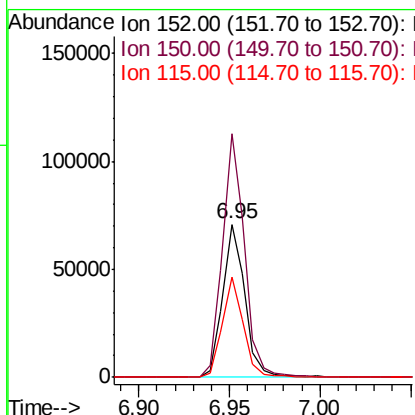
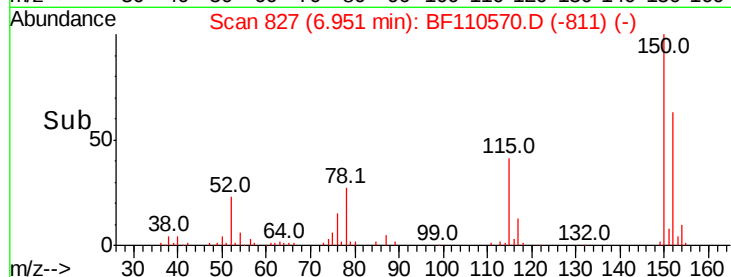


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

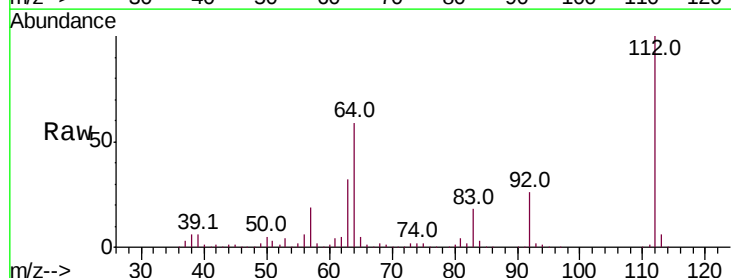
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 102.737 ng
RT: 5.57 min Scan# 593
Delta R.T. -0.00 min
Lab File: BF110570.D
Acq: 7 Nov 2018 21:55

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.1	44.1	66.1
63	32.0	23.7	35.5

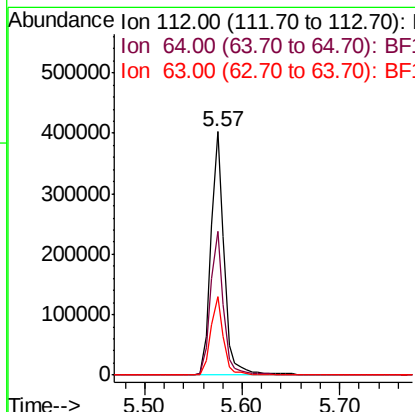
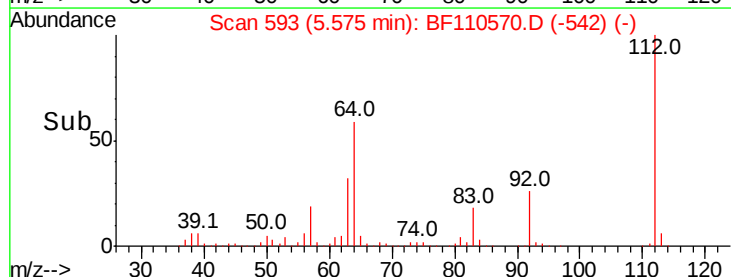


Abundance

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: 97.302 ng

RT: 6.57 min Scan# 763

Delta R.T. -0.01 min

Lab File: BF110570.D

Acq: 7 Nov 2018 21:55

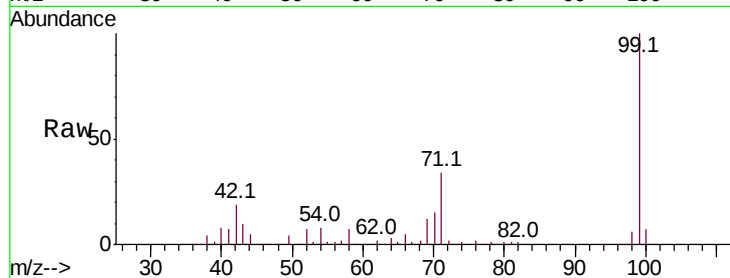
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 459757

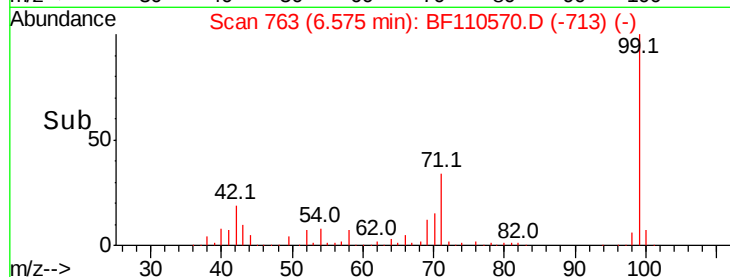
Ion	Ratio	Lower	Upper
99	100		
42	19.3	15.8	23.6
71	34.5	28.0	42.0



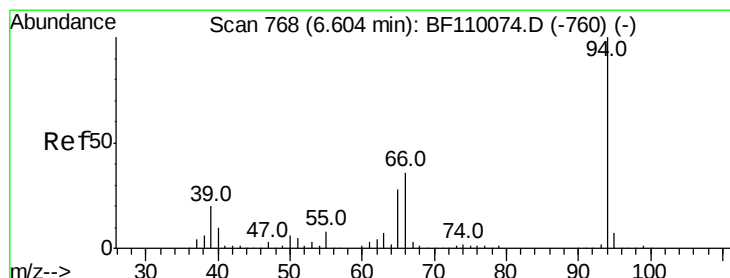
Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



Time-->



#10

Phenol

Concen: 5.716 ng

RT: 6.59 min Scan# 765

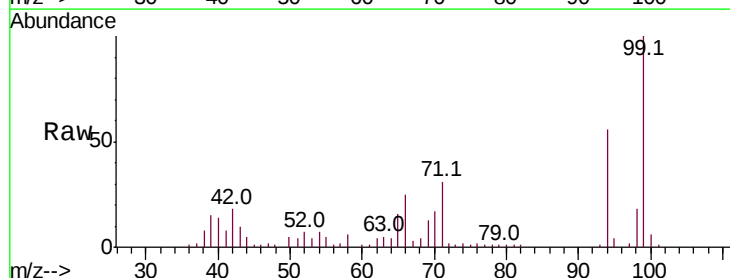
Delta R.T. -0.01 min

Lab File: BF110570.D

Acq: 7 Nov 2018 21:55

Tgt Ion: 94 Resp: 28872

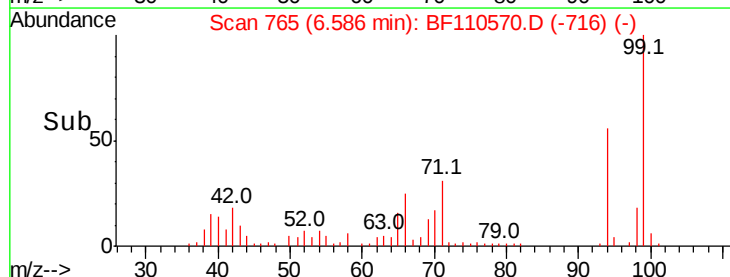
Ion	Ratio	Lower	Upper
94	100		
65	29.4	25.3	65.3
66	45.6	54.5	94.5#



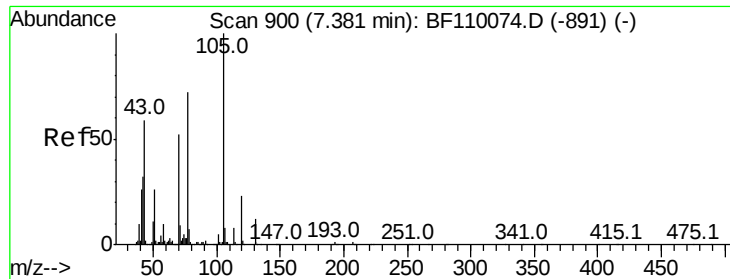
Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1



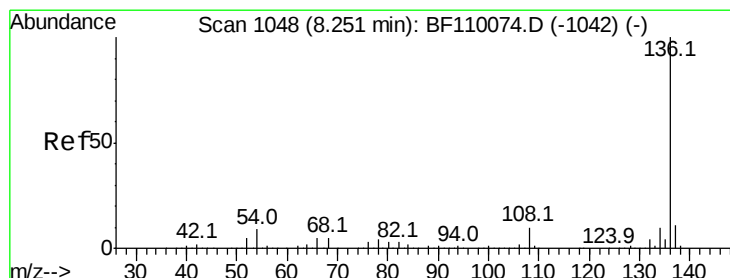
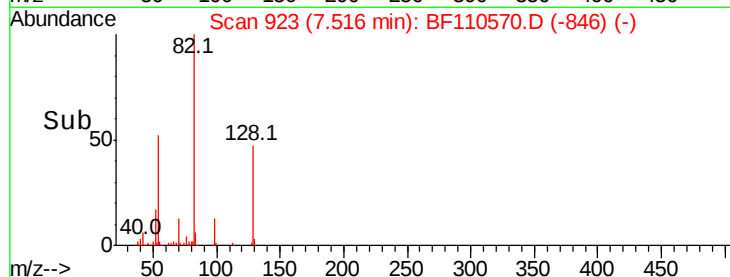
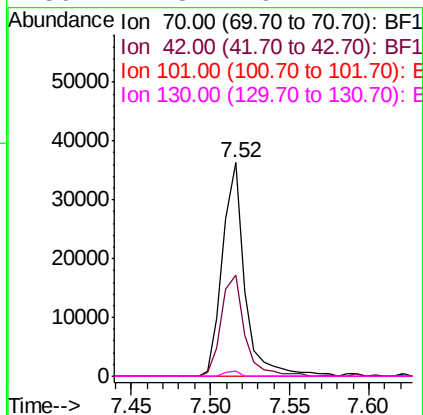
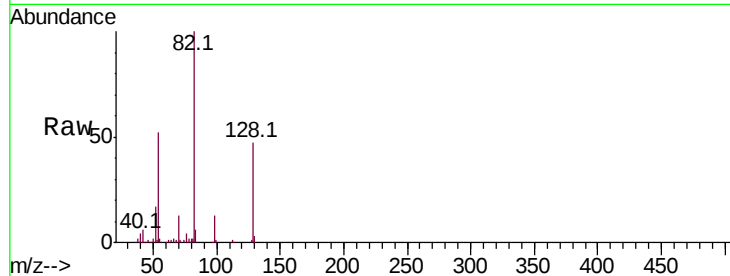
Time-->



#19
 n-Nitroso-di-n-propylamine
 Concen: 11.830 ng
 RT: 7.52 min Scan# 923
 Delta R.T. 0.15 min
 Lab File: BF110570.D
 Acq: 7 Nov 2018 21:55

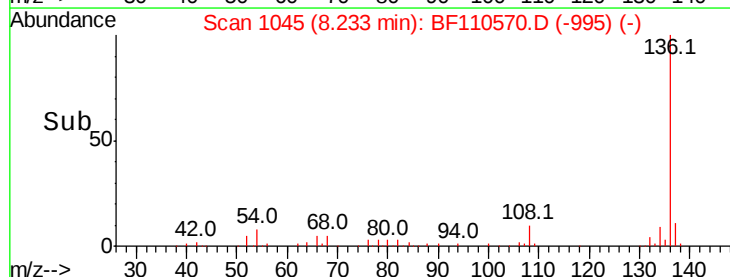
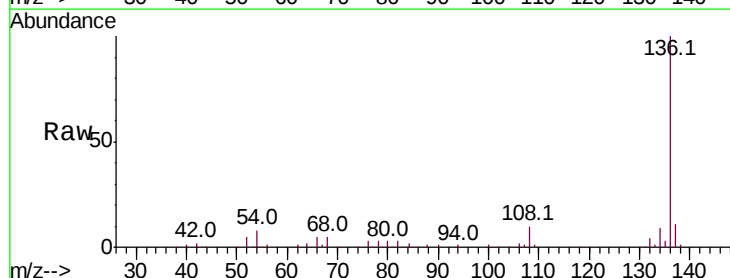
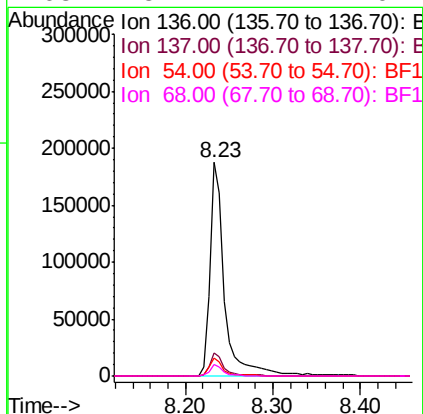
Instrument :
 BNA_F
 ClientSampleId :

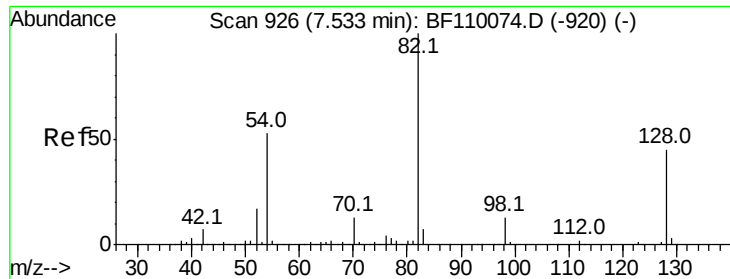
Tot Ion: 70 Resp: 35860
 Ion Ratio Lower Upper
 70 100
 42 47.2 47.4 71.2#
 101 0.0 7.3 10.9#
 130 2.3 16.2 24.2#



#21
 Naphthalene-d8
 Concen: 20.000 ng
 RT: 8.23 min Scan# 1045
 Delta R.T. -0.01 min
 Lab File: BF110570.D
 Acq: 7 Nov 2018 21:55

Tgt Ion: 136 Resp: 217602
 Ion Ratio Lower Upper
 136 100
 137 10.7 8.8 13.2
 54 8.4 5.4 8.2#
 68 5.4 4.2 6.2

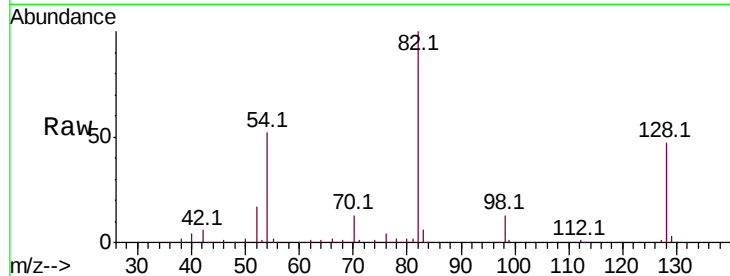




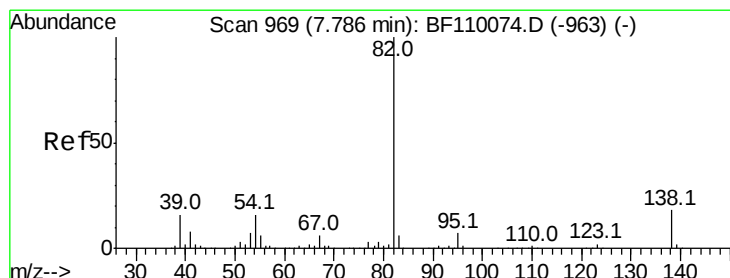
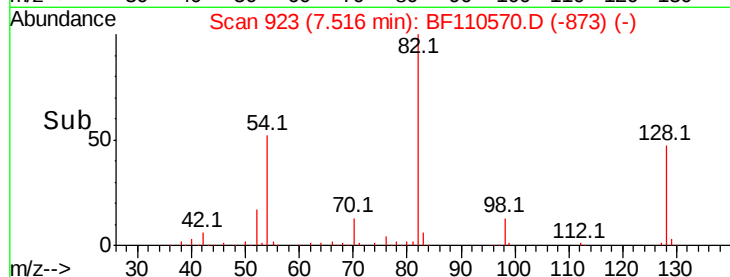
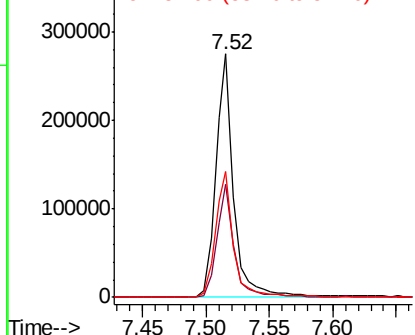
#23
Nitrobenzene-d5
Concen: 74.325 ng
RT: 7.52 min Scan# 923
Delta R.T. -0.01 min
Lab File: BF110570.D
Acq: 7 Nov 2018 21:55

Instrument :
BNA_F
ClientSampled :

Tot Ion	82	Resp	272676
Ion Ratio	Lower	Upper	
82	100		
128	46.6	34.2	51.2
54	51.9	38.6	58.0

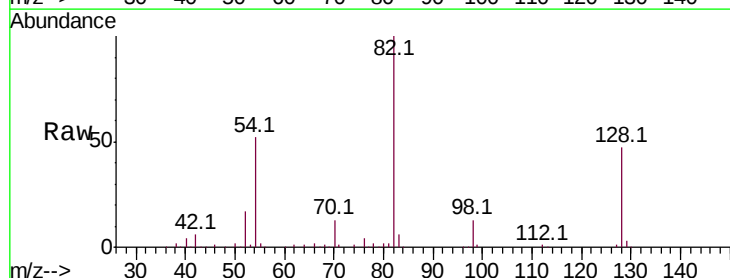


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

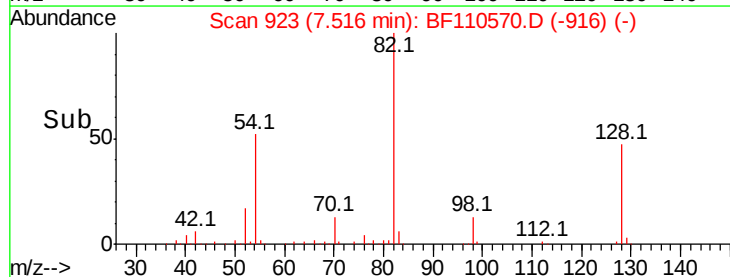
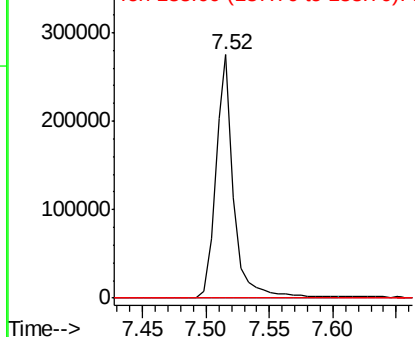


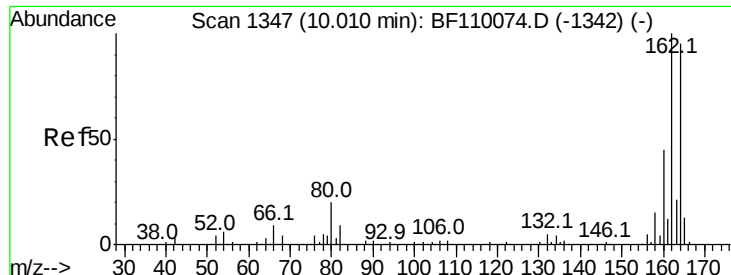
#25
Isophorone
Concen: 43.602 ng
RT: 7.52 min Scan# 923
Delta R.T. -0.26 min
Lab File: BF110570.D
Acq: 7 Nov 2018 21:55

Tgt Ion	82	Resp	272676
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

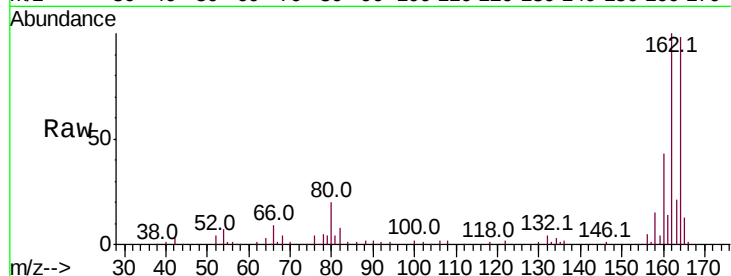




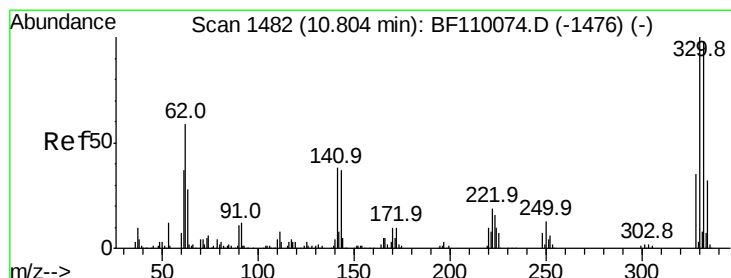
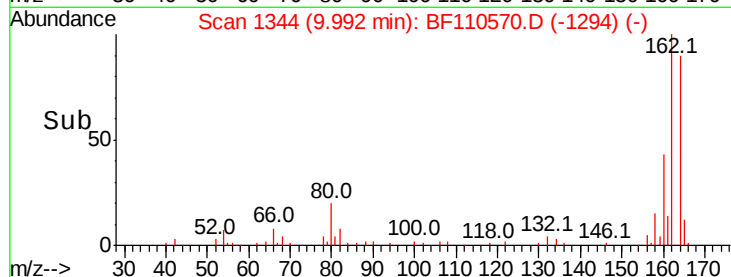
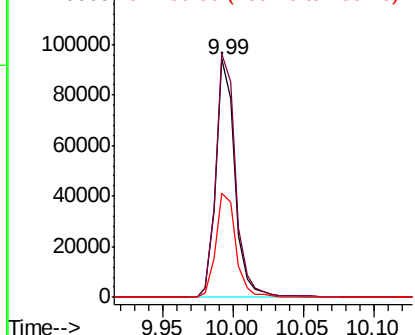
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.99 min Scan# 1344
 Delta R.T. -0.01 min
 Lab File: BF110570.D
 Acq: 7 Nov 2018 21:55

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 88549
 Ion Ratio Lower Upper
 164 100
 162 102.2 83.0 124.6
 160 43.9 37.0 55.6

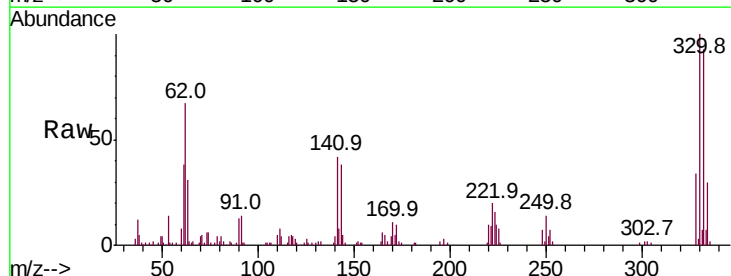


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

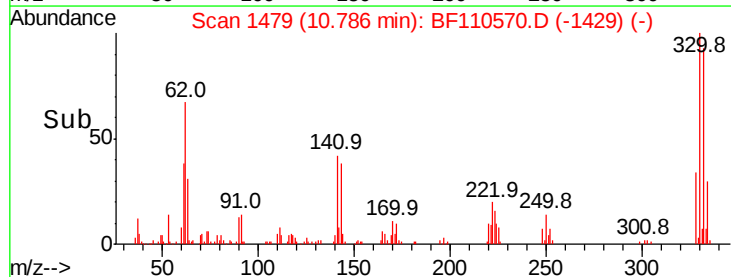
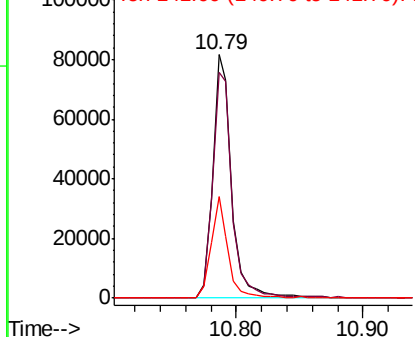


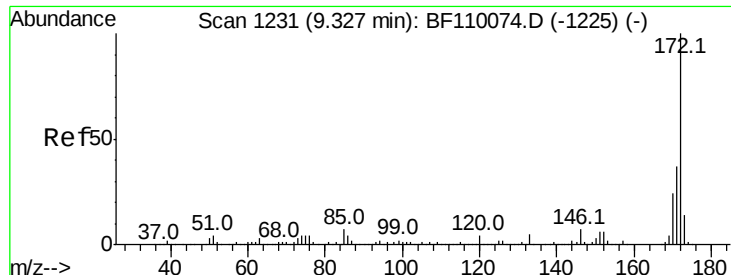
#42
 2,4,6-Tribromophenol
 Concen: 97.581 ng
 RT: 10.79 min Scan# 1479
 Delta R.T. -0.01 min
 Lab File: BF110570.D
 Acq: 7 Nov 2018 21:55

Tgt Ion:330 Resp: 85592
 Ion Ratio Lower Upper
 330 100
 332 96.5 77.1 115.7
 141 37.3 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

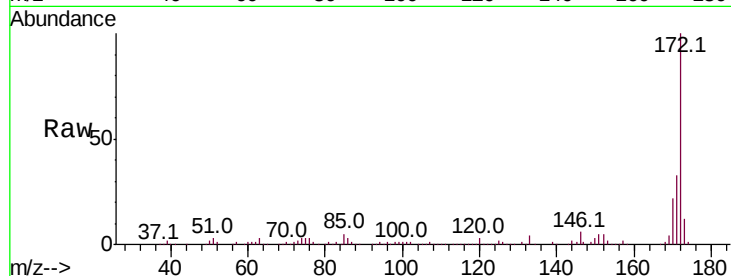




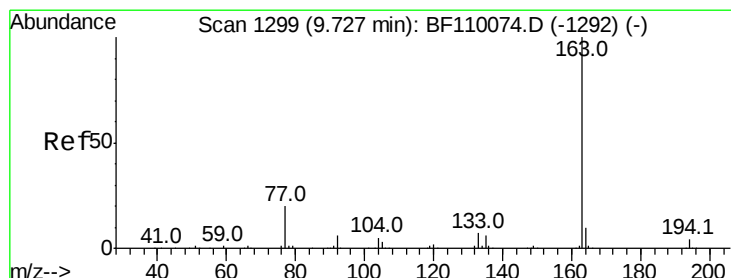
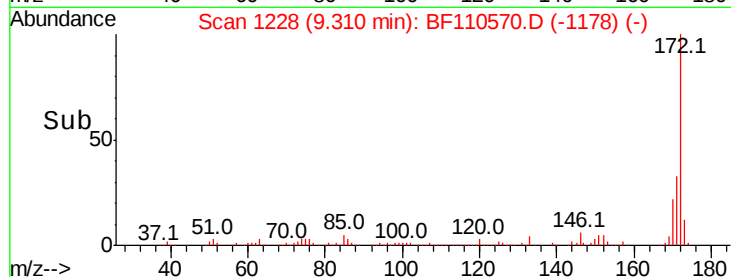
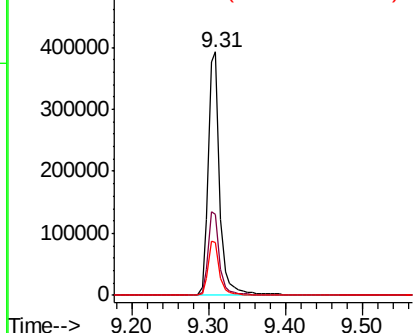
#45
 2-Fluorobiphenyl
 Concen: 71.826 ng
 RT: 9.31 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: BF110570.D
 Acq: 7 Nov 2018 21:55

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:172 Resp: 405035
 Ion Ratio Lower Upper
 172 100
 171 33.2 28.6 43.0
 170 21.7 19.7 29.5

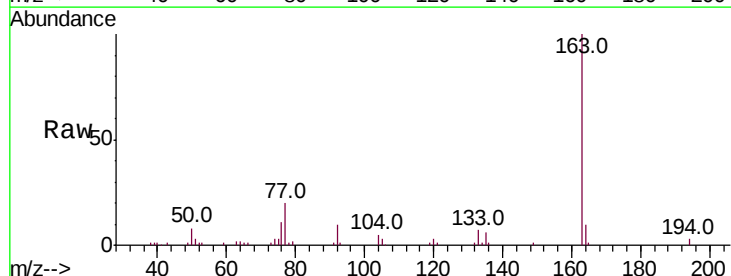


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

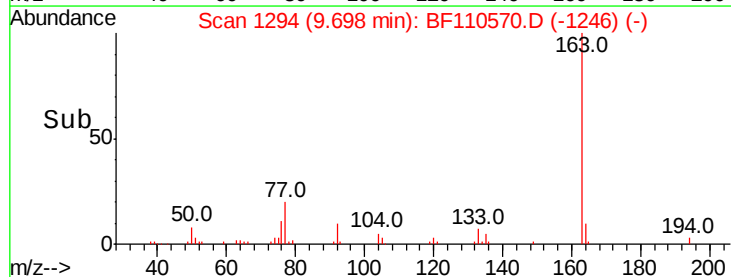
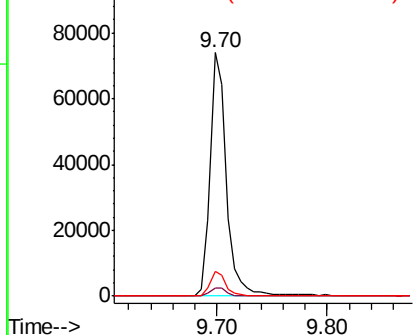


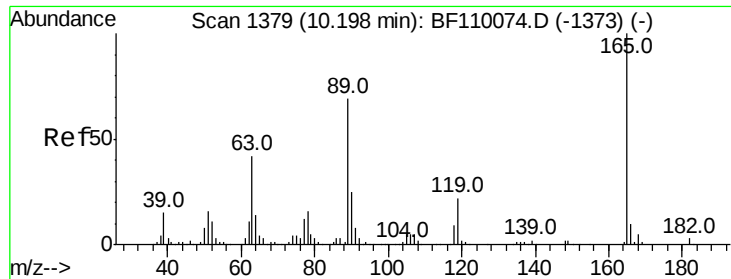
#50
 Dimethylphthalate
 Concen: 11.327 ng
 RT: 9.70 min Scan# 1294
 Delta R.T. -0.02 min
 Lab File: BF110570.D
 Acq: 7 Nov 2018 21:55

Tgt Ion:163 Resp: 74037
 Ion Ratio Lower Upper
 163 100
 194 3.4 3.2 4.8
 164 10.1 8.1 12.1



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

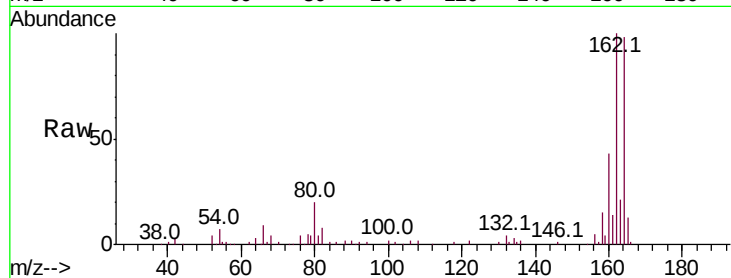




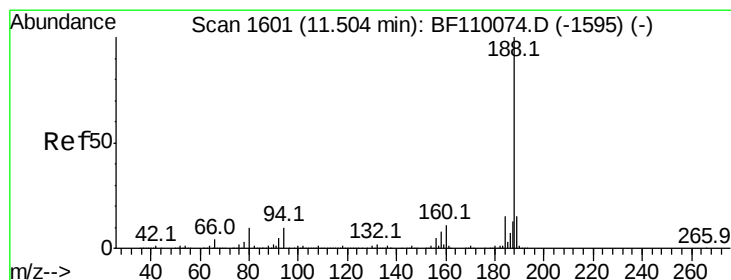
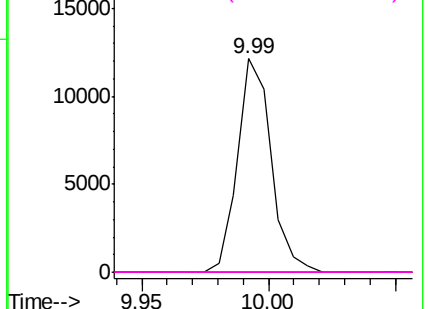
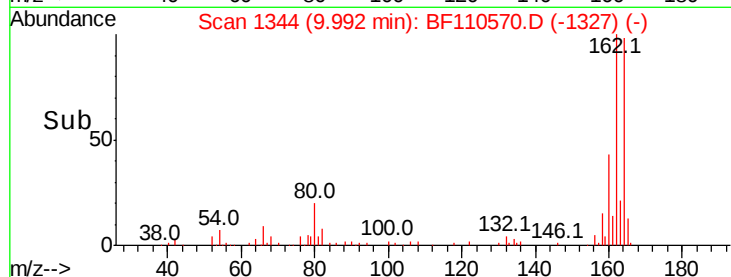
#57
 2,4-Dinitrotoluene
 Concen: 6.235 ng
 RT: 9.99 min Scan# 1344
 Delta R.T. -0.20 min
 Lab File: BF110570.D
 Acq: 7 Nov 2018 21:55

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:	165	Resp:	11151
Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.8	67.2#
89	0.0	62.2	93.4#
182	0.0	2.1	3.1#

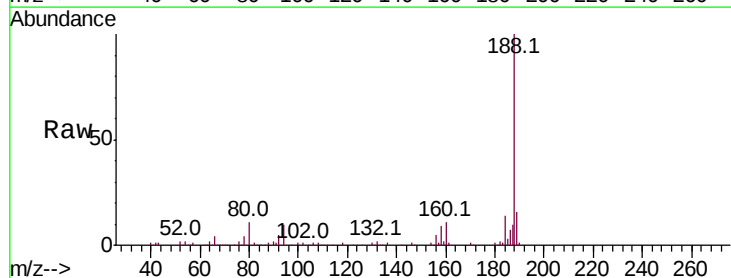


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

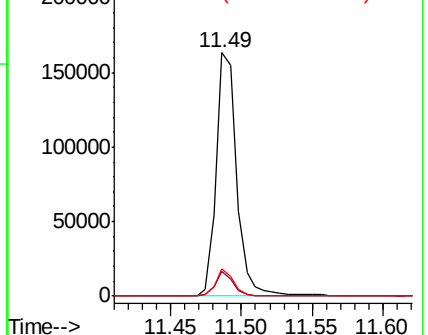
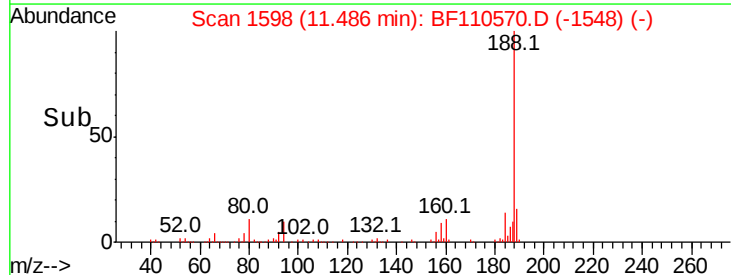


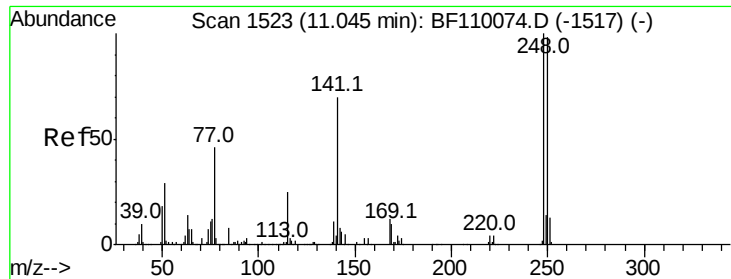
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.49 min Scan# 1598
 Delta R.T. -0.01 min
 Lab File: BF110570.D
 Acq: 7 Nov 2018 21:55

Tgt Ion:	188	Resp:	166230
Ion	Ratio	Lower	Upper
188	100		
94	9.9	7.2	10.8
80	11.2	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

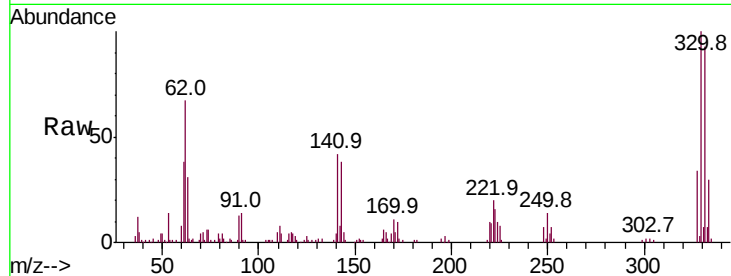




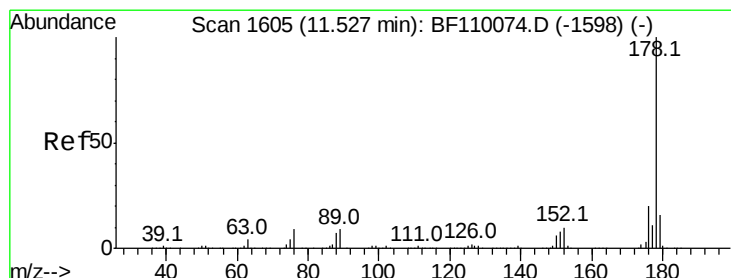
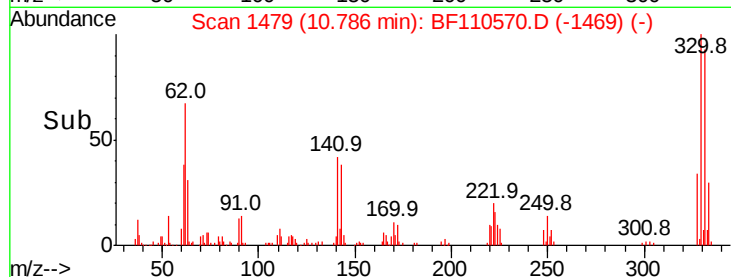
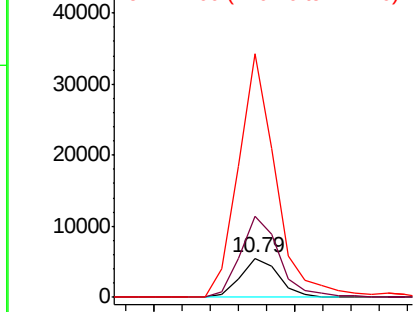
#67
 4-Bromophenyl-phenylether
 Concen: 2.878 ng
 RT: 10.79 min Scan# 1479
 Delta R.T. -0.24 min
 Lab File: BF110570.D
 Acq: 7 Nov 2018 21:55

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 5190
 Ion Ratio Lower Upper
 248 100
 250 207.4 79.4 119.2#
 141 618.7 55.9 83.9#

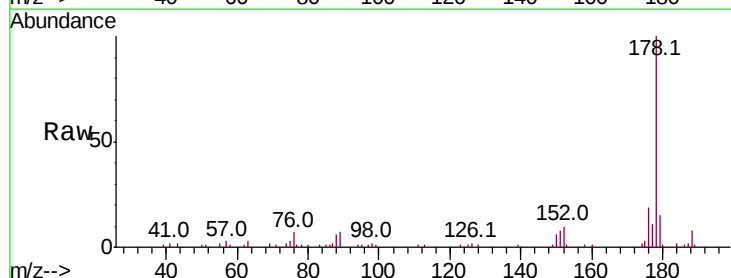


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

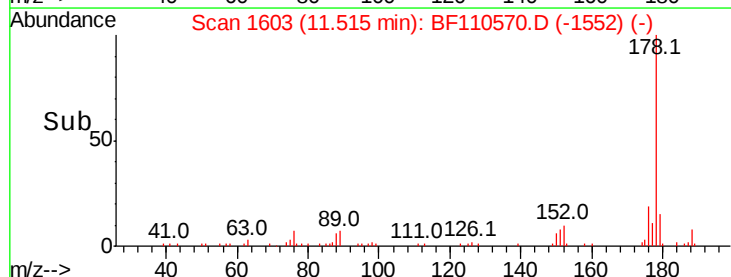
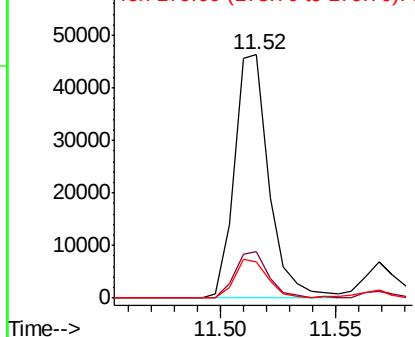


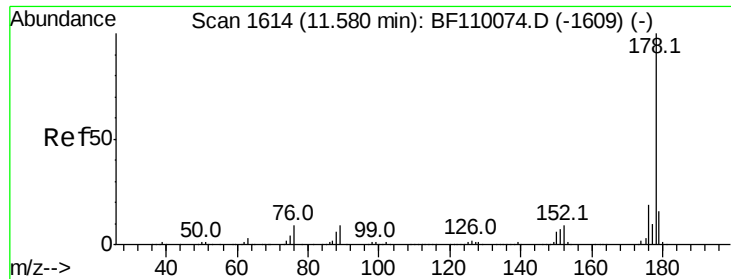
#71
 Phenanthrene
 Concen: 5.590 ng
 RT: 11.52 min Scan# 1603
 Delta R.T. -0.00 min
 Lab File: BF110570.D
 Acq: 7 Nov 2018 21:55

Tgt Ion:178 Resp: 48619
 Ion Ratio Lower Upper
 178 100
 176 19.0 15.5 23.3
 179 15.1 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

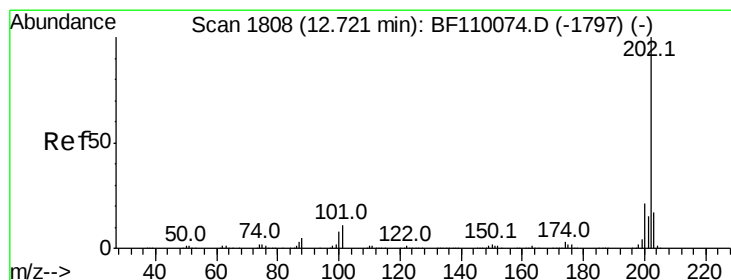
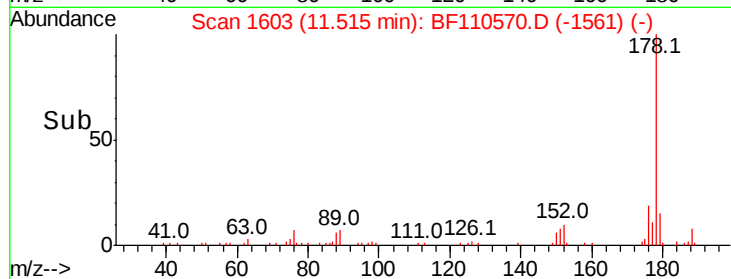
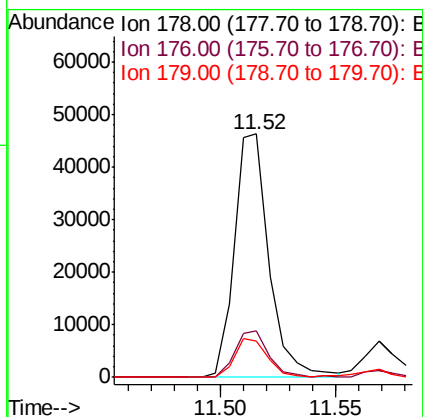
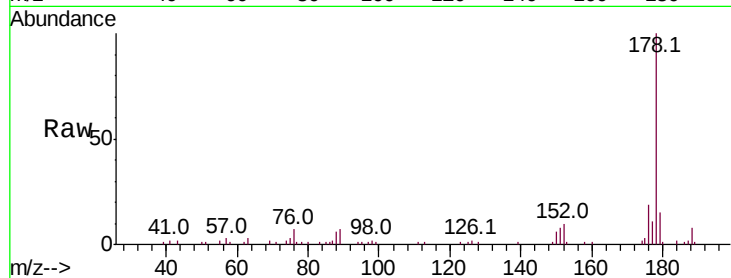




#72
 Anthracene
 Concen: 5.577 ng
 RT: 11.52 min Scan# 1603
 Delta R.T. -0.05 min
 Lab File: BF110570.D
 Acq: 7 Nov 2018 21:55

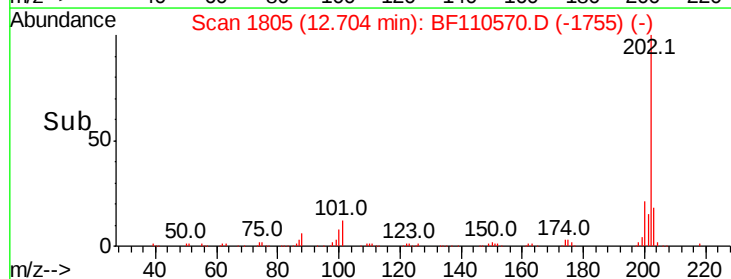
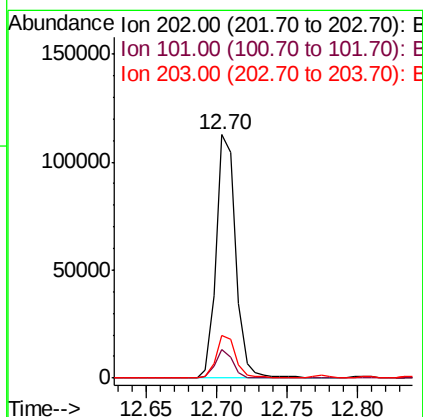
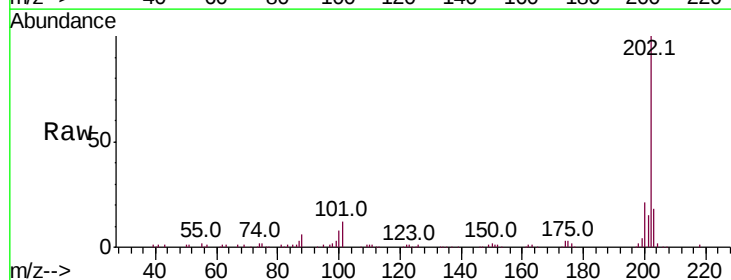
Instrument :
 BNA_F
 ClientSampleId :

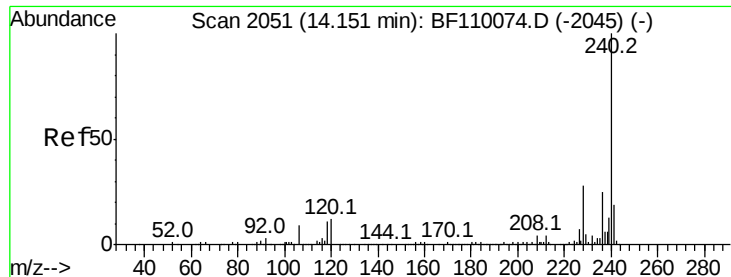
Tot Ion:178 Resp: 48619
 Ion Ratio Lower Upper
 178 100
 176 19.0 15.4 23.2
 179 15.1 12.6 18.8



#75
 Fluoranthene
 Concen: 12.343 ng
 RT: 12.70 min Scan# 1805
 Delta R.T. -0.01 min
 Lab File: BF110570.D
 Acq: 7 Nov 2018 21:55

Tgt Ion:202 Resp: 108960
 Ion Ratio Lower Upper
 202 100
 101 11.6 0.0 31.4
 203 17.8 0.0 37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.14 min Scan# 2049

Delta R.T. -0.00 min

Lab File: BF110570.D

Acq: 7 Nov 2018 21:55

Instrument :

BNA_F

ClientSampleId :

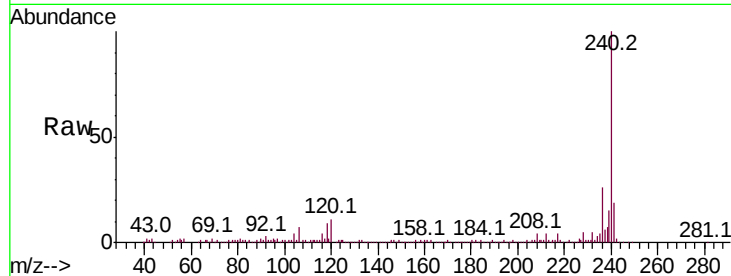
Tot Ion:240 Resp: 151952

Ion Ratio Lower Upper

240 100

120 10.5 8.3 12.5

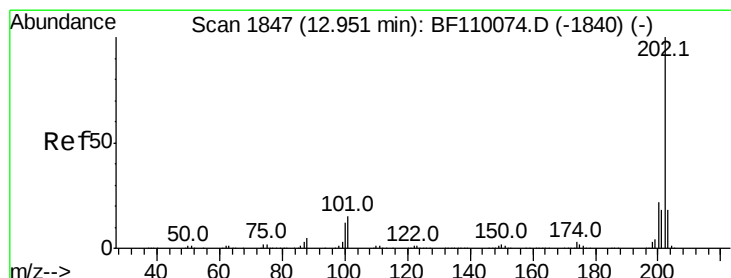
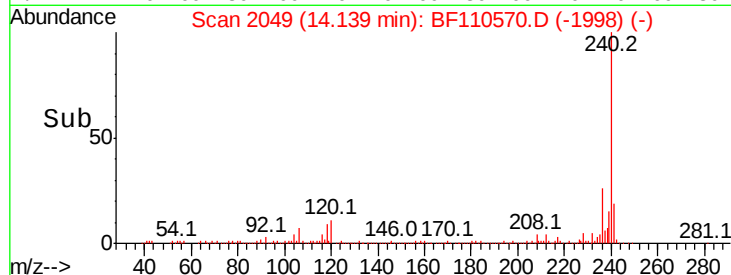
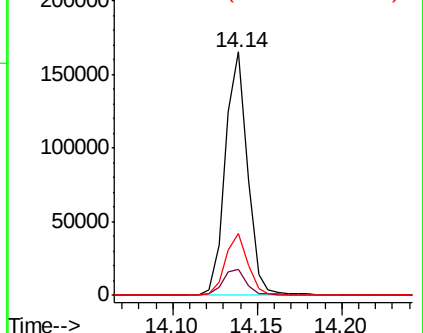
236 25.6 21.2 31.8



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

Pyrene

Concen: 7.917 ng

RT: 12.94 min Scan# 1845

Delta R.T. -0.00 min

Lab File: BF110570.D

Acq: 7 Nov 2018 21:55

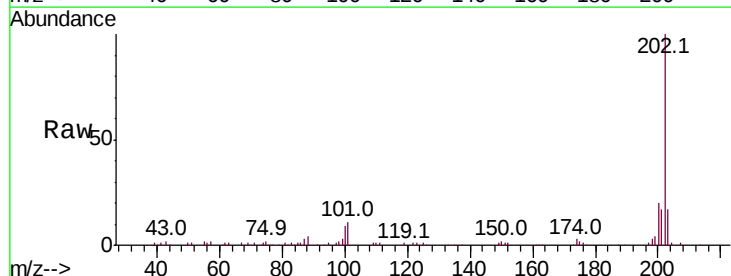
Tgt Ion:202 Resp: 86243

Ion Ratio Lower Upper

202 100

200 19.9 17.8 26.6

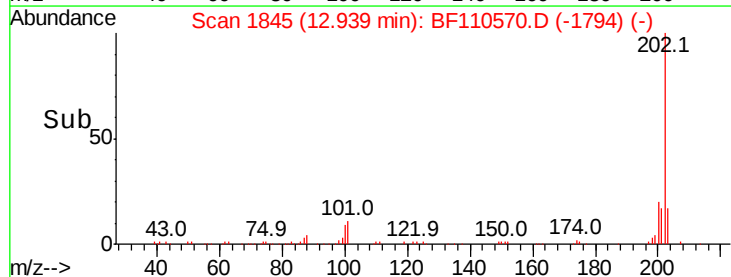
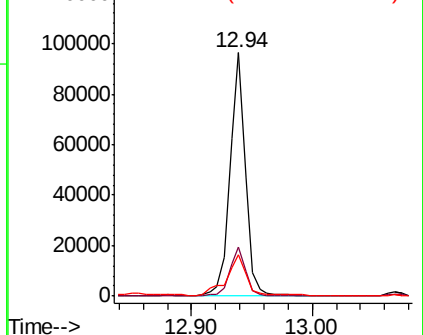
203 16.8 14.2 21.4

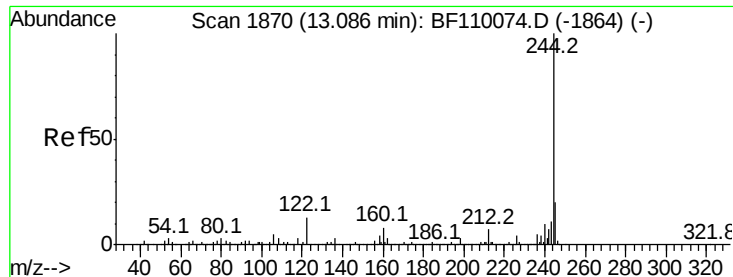


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

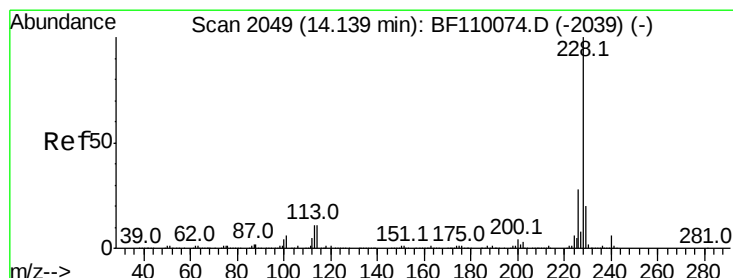
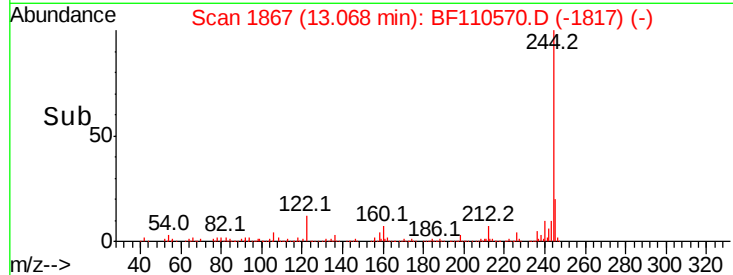
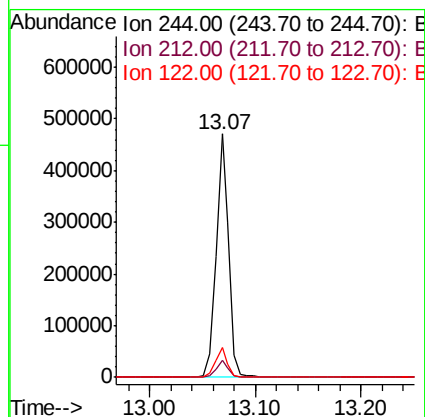
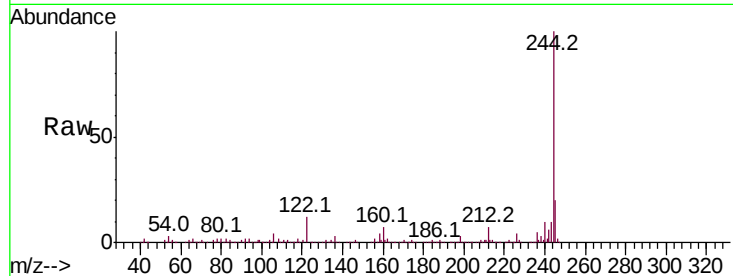




#79
 Terphenyl-d14
 Concen: 53.837 ng
 RT: 13.07 min Scan# 1867
 Delta R.T. -0.01 min
 Lab File: BF110570.D
 Acq: 7 Nov 2018 21:55

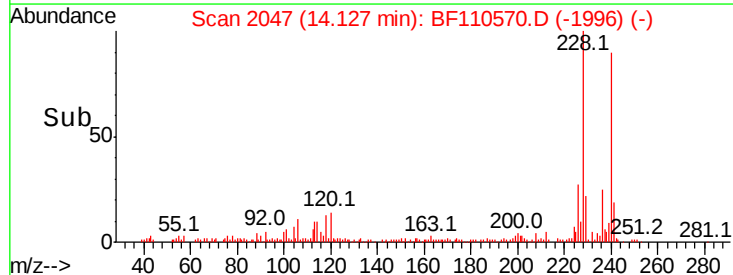
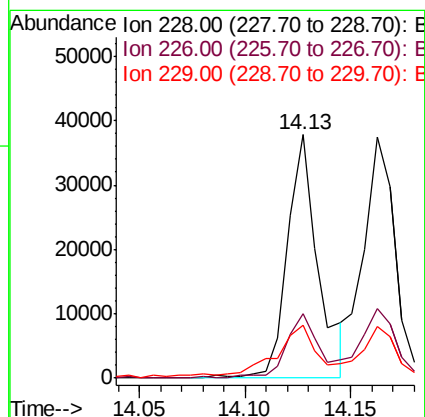
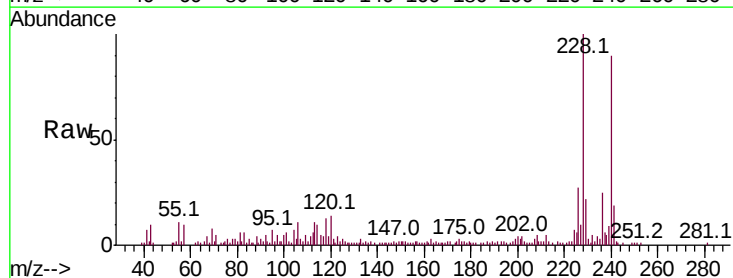
Instrument :
 BNA_F
 ClientSampleId :

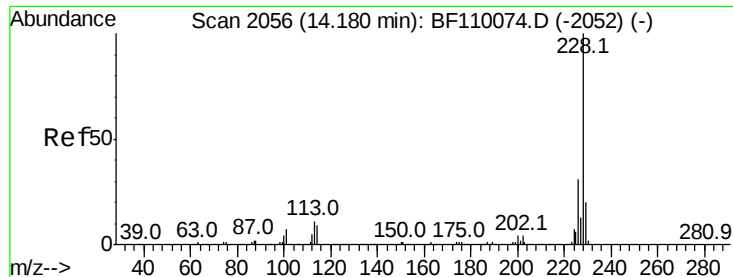
Tot Ion:244 Resp: 393357
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.8 8.8
 122 12.2 8.7 13.1



#81
 Benzo(a)anthracene
 Concen: 4.264 ng
 RT: 14.13 min Scan# 2047
 Delta R.T. -0.00 min
 Lab File: BF110570.D
 Acq: 7 Nov 2018 21:55

Tgt Ion:228 Resp: 38421
 Ion Ratio Lower Upper
 228 100
 226 26.7 22.1 33.1
 229 21.6 15.6 23.4





#83

Chrysene

Concen: 4.635 ng

RT: 14.16 min Scan# 2053

Delta R.T. -0.01 min

Lab File: BF110570.D

Acq: 7 Nov 2018 21:55

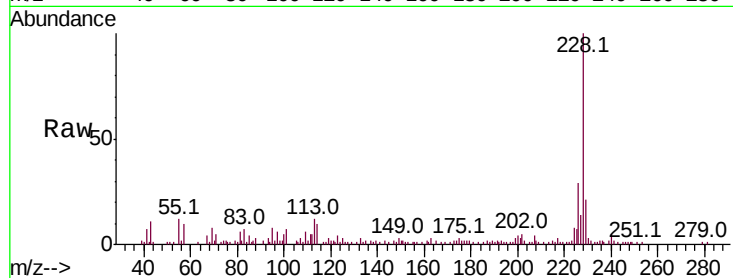
Instrument :

BNA_F

ClientSampled :

Tot Ion:228 Resp: 39666

Ion	Ratio	Lower	Upper
228	100		
226	28.9	24.7	37.1
229	21.3	15.9	23.9

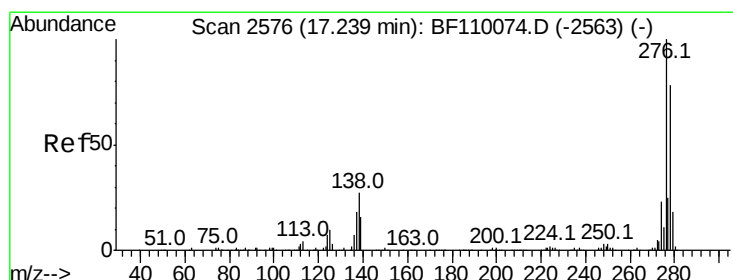
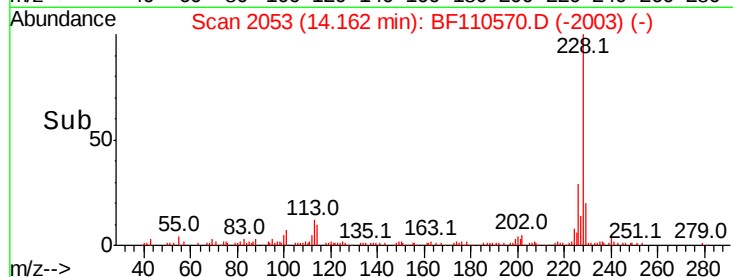
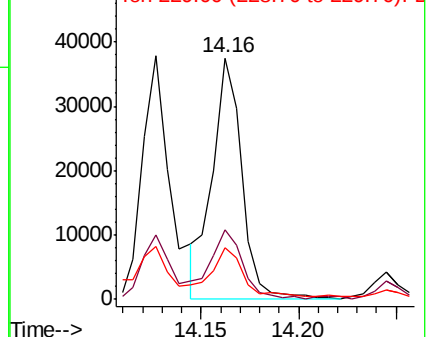


Abundance

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: 2.140 ng

RT: 17.24 min Scan# 2577

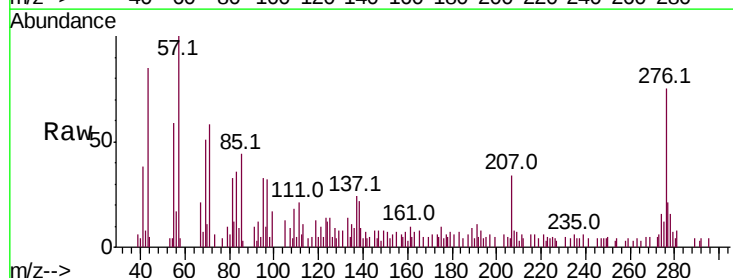
Delta R.T. 0.02 min

Lab File: BF110570.D

Acq: 7 Nov 2018 21:55

Tgt Ion:276 Resp: 15195

Ion	Ratio	Lower	Upper
276	100		
138	32.9	18.5	27.7#
277	31.9	20.0	30.0#

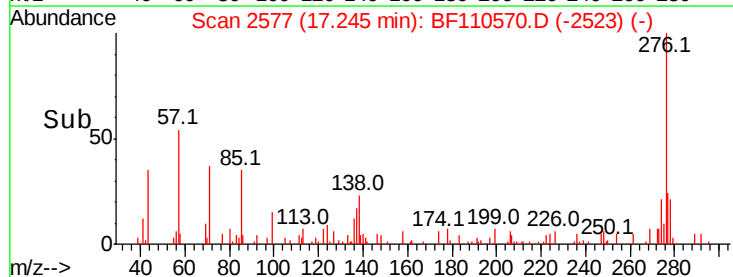
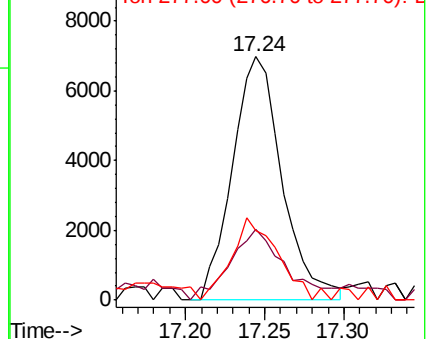


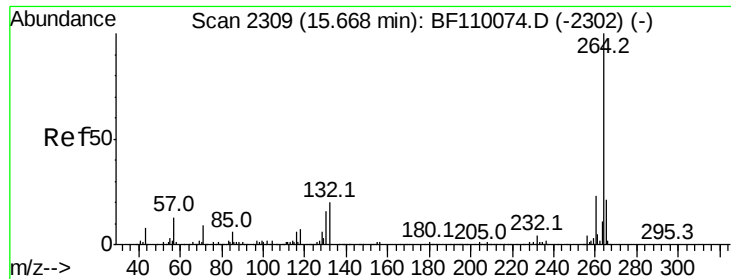
Abundance

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



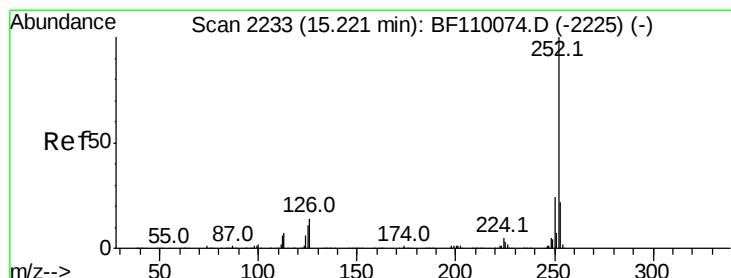
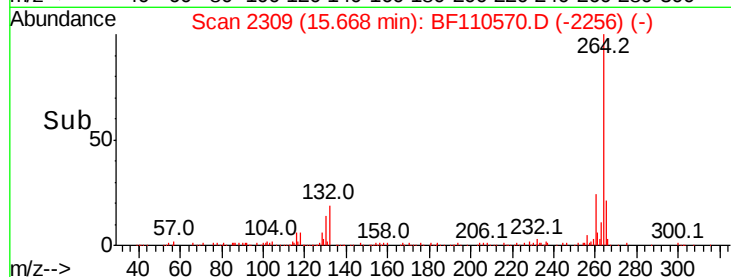
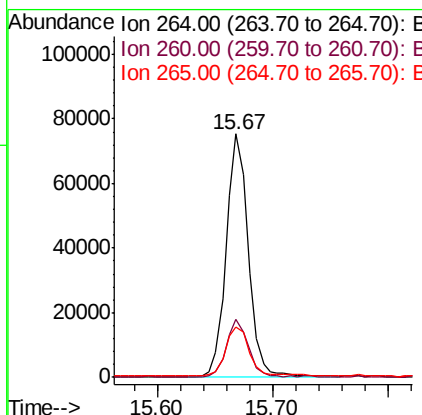
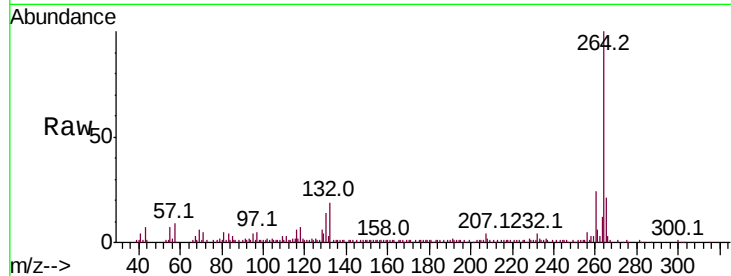


#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.67 min Scan# 2309
Delta R.T. 0.01 min
Lab File: BF110570.D
Acq: 7 Nov 2018 21:55

Instrument :
BNA_F
ClientSampled :

Tot Ion:264 Resp: 100465

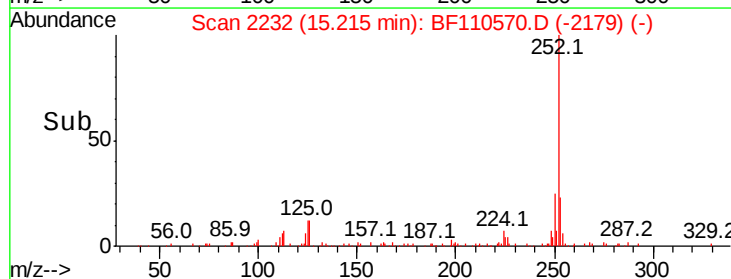
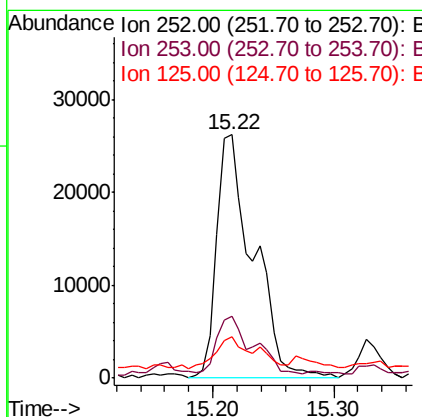
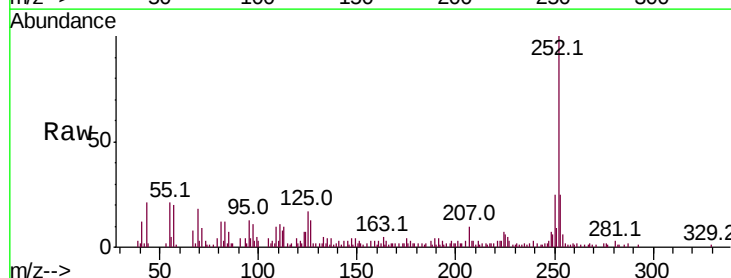
Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.7	28.1
265	20.7	16.7	25.1

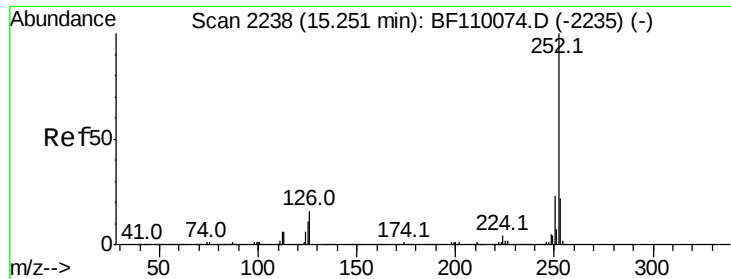


#88
Benzo(b)fluoranthene
Concen: 9.496 ng
RT: 15.22 min Scan# 2232
Delta R.T. 0.01 min
Lab File: BF110570.D
Acq: 7 Nov 2018 21:55

Tgt Ion:252 Resp: 55092

Ion	Ratio	Lower	Upper
252	100		
253	25.2	17.2	25.8
125	16.7	8.2	12.4#

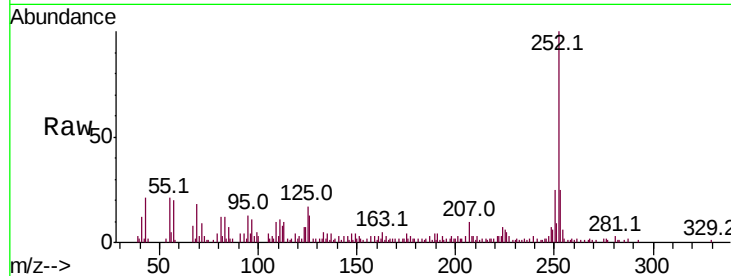




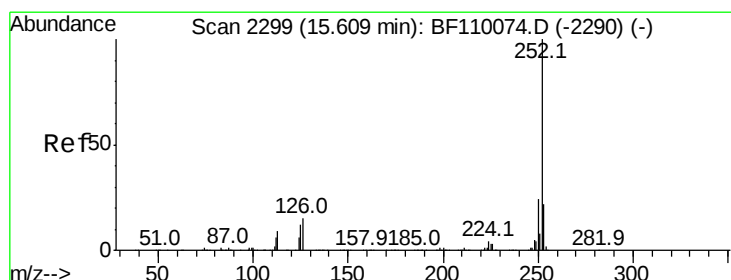
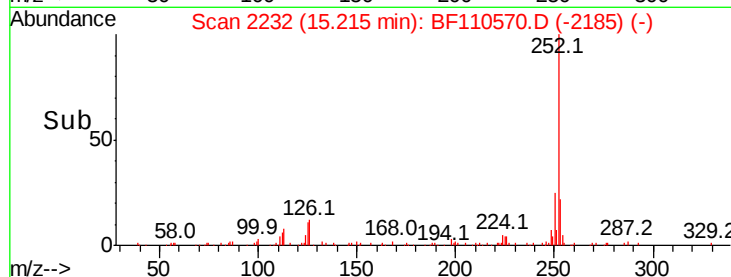
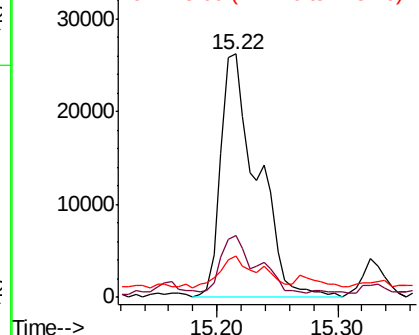
#89
Benzo(k)fluoranthene
Concen: 9.659 ng
RT: 15.22 min Scan# 2232
Delta R.T. -0.02 min
Lab File: BF110570.D
Acq: 7 Nov 2018 21:55

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 55092
Ion Ratio Lower Upper
252 100
253 25.2 17.2 25.8
125 16.7 7.4 11.0#

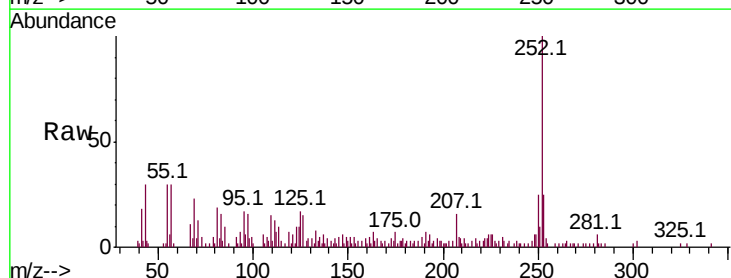


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

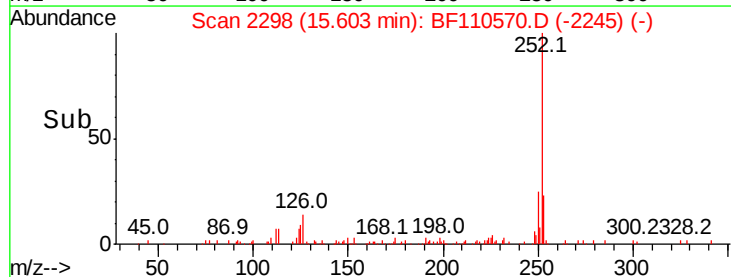
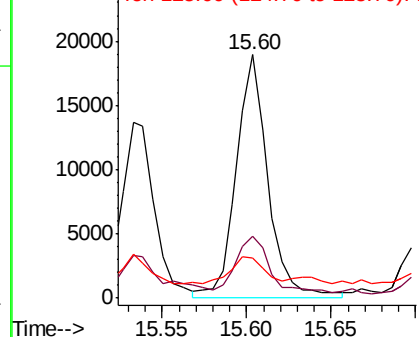


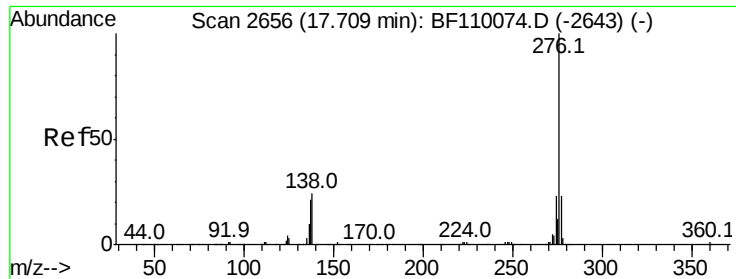
#90
Benzo(a)pyrene
Concen: 4.656 ng
RT: 15.60 min Scan# 2298
Delta R.T. 0.01 min
Lab File: BF110570.D
Acq: 7 Nov 2018 21:55

Tgt Ion:252 Resp: 24857
Ion Ratio Lower Upper
252 100
253 25.4 18.2 27.4
125 16.6 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: 3.297 ng
 RT: 17.73 min Scan# 2660
 Delta R.T. 0.03 min
 Lab File: BF110570.D
 Acq: 7 Nov 2018 21:55

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	27.7	18.8	28.2
138	24.7	16.0	24.0

