

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101918\
 Data File : BF110020.D
 Acq On : 19 Oct 2018 23:11
 Operator : JU/SJ
 Sample : J5195-05 2X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 20 00:10:56 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 16 14:58:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	203094	20.00	ng	-0.01
21) Naphthalene-d8	8.25	136	782975	20.00	ng	-0.02
39) Acenaphthene-d10	10.01	164	326489	20.00	ng	-0.02
64) Phenanthrene-d10	11.50	188	516393	20.00	ng	-0.01
76) Chrysene-d12	14.15	240	385032	20.00	ng	-0.01
87) Perylene-d12	15.67	264	299663	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.58	112	623633	48.67	ng	-0.02
7) Phenol-d6	6.59	99	787581	49.50	ng	-0.02
23) Nitrobenzene-d5	7.53	82	474342	40.81	ng	-0.02
42) 2,4,6-Tribromophenol	10.80	330	144553	51.14	ng	-0.02
45) 2-Fluorobiphenyl	9.33	172	834314	40.78	ng	-0.01
79) Terphenyl-d14	13.09	244	589604	32.16	ng	-0.02

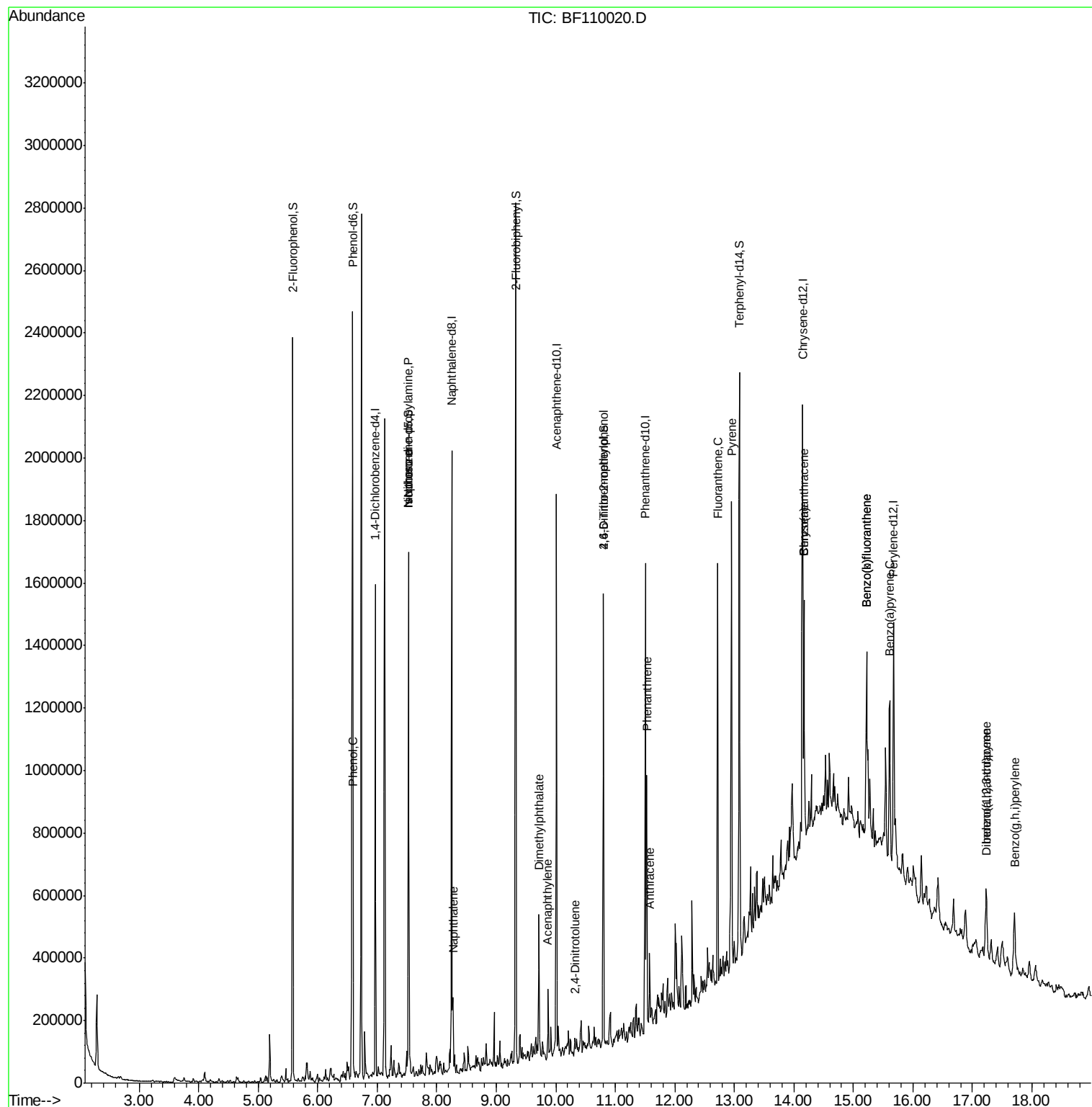
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.60	94	76385	4.447	ng	# 60
19) n-Nitroso-di-n-propylamine	7.53	70	63323	6.199	ng	# 79
25) Isophorone	7.53	82	474342	20.770	ng	# 67
31) Naphthalene	8.27	128	91656	2.553	ng	98
49) Acenaphthylene	9.87	152	77753	2.498	ng	97
50) Dimethylphthalate	9.72	163	122598	5.303	ng	98
57) 2,4-Dinitrotoluene	10.32	165	2149	4.933	ng	# 60
65) 4,6-Dinitro-2-methylphenol	10.80	198	272	8.026	ng	# 1
71) Phenanthrene	11.53	178	287368	10.749	ng	98
72) Anthracene	11.57	178	76325	2.840	ng	97
75) Fluoranthene	12.72	202	549607	20.579	ng	98
78) Pyrene	12.95	202	578954	20.473	ng	99
81) Benzo(a)anthracene	14.17	228	277323	12.228	ng	94
83) Chrysene	14.17	228	277323	12.847	ng	98
86) Indeno(1,2,3-cd)pyrene	17.23	276	156552	9.007	ng	99
88) Benzo(b)fluoranthene	15.22	252	432164	25.015	ng	# 94
89) Benzo(k)fluoranthene	15.22	252	432164	25.379	ng	# 93
90) Benzo(a)pyrene	15.61	252	245694	15.463	ng	98
91) Dibenzo(a,h)anthracene	17.24	278	37487	2.662	ng	# 84
92) Benzo(a,h,i)perylene	17.71	276	174480	12.264	ng	96

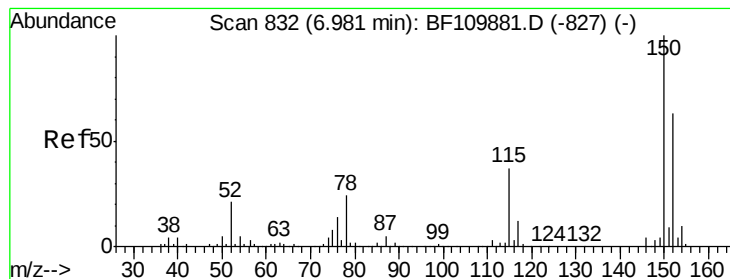
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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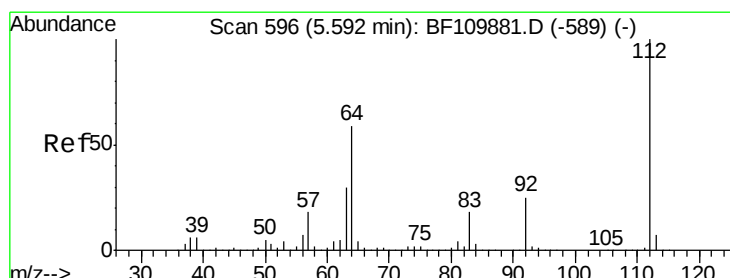
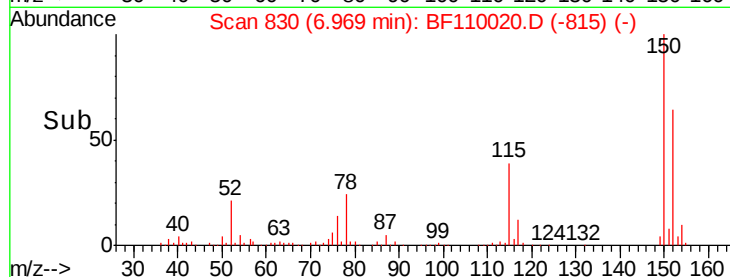
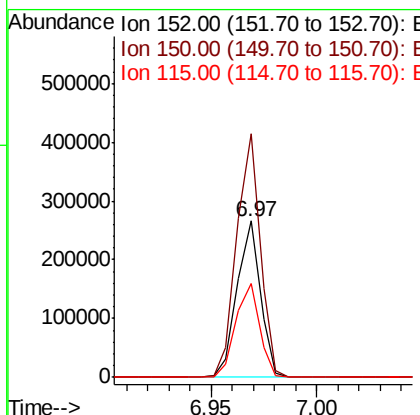
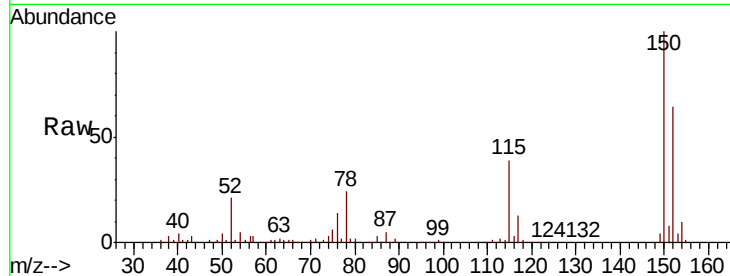




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.97 min Scan# 830
 Delta R.T. -0.01 min
 Lab File: BF110020.D
 Acq: 19 Oct 2018 23:11

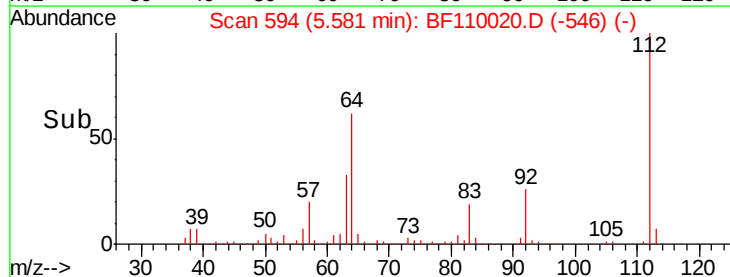
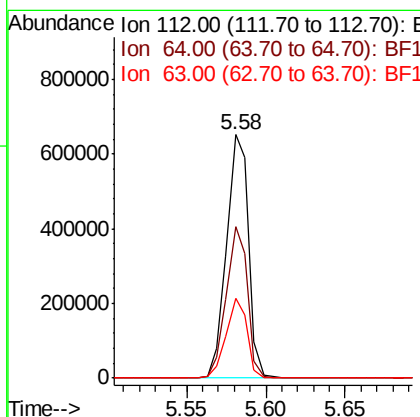
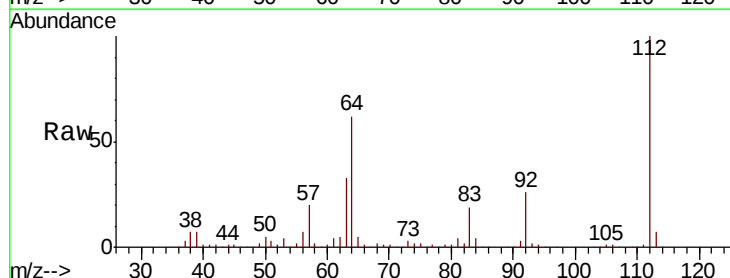
Instrument :
 BNA_F
 ClientSampleId :

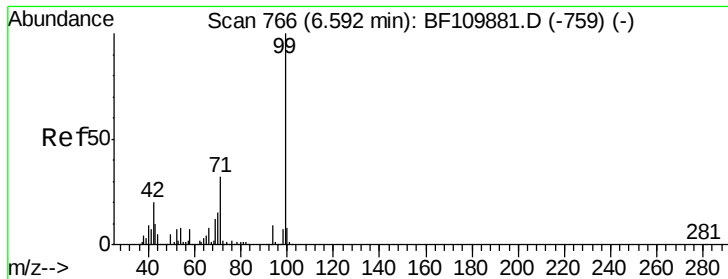
Tot Ion:152 Resp: 203094
 Ion Ratio Lower Upper
 152 100
 150 155.9 122.7 184.1
 115 60.2 49.1 73.7



#5
 2-Fluorophenol
 Concen: 48.674 ng
 RT: 5.58 min Scan# 594
 Delta R.T. -0.02 min
 Lab File: BF110020.D
 Acq: 19 Oct 2018 23:11

Tgt Ion:112 Resp: 623633
 Ion Ratio Lower Upper
 112 100
 64 62.4 44.1 66.1
 63 32.6 23.7 35.5





#7

Phenol-d6

Concen: 49.503 ng

RT: 6.59 min Scan# 765

Delta R.T. -0.02 min

Lab File: BF110020.D

Acq: 19 Oct 2018 23:11

Instrument :

BNA_F

ClientSampled :

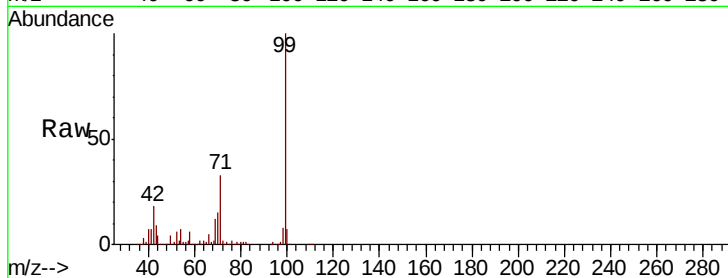
Tot Ion: 99 Resp: 787581

Ion Ratio Lower Upper

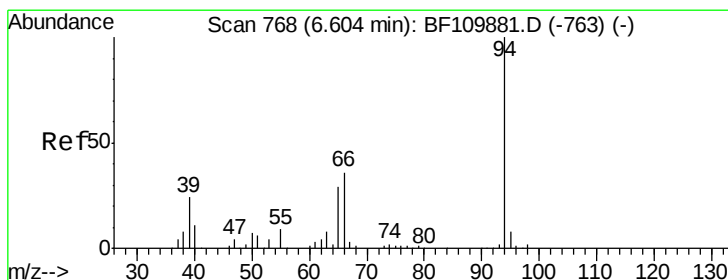
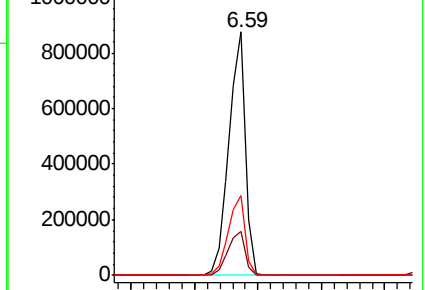
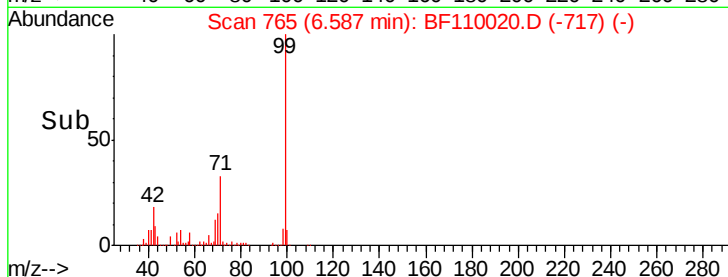
99 100

42 18.2 15.8 23.6

71 33.0 28.0 42.0



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 4.447 ng

RT: 6.60 min Scan# 767

Delta R.T. -0.02 min

Lab File: BF110020.D

Acq: 19 Oct 2018 23:11

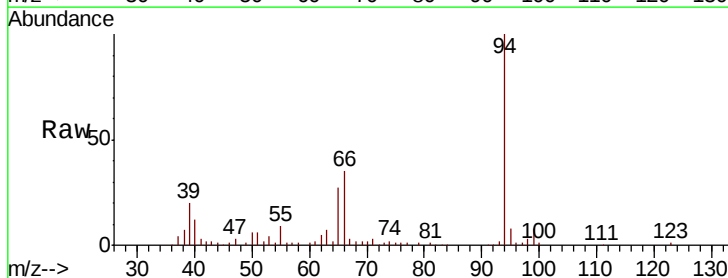
Tgt Ion: 94 Resp: 76385

Ion Ratio Lower Upper

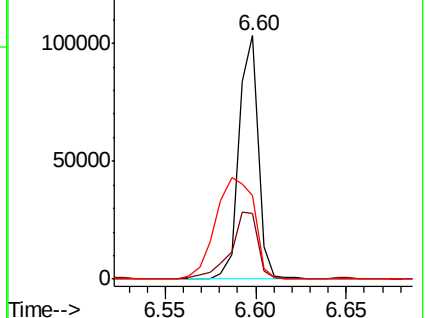
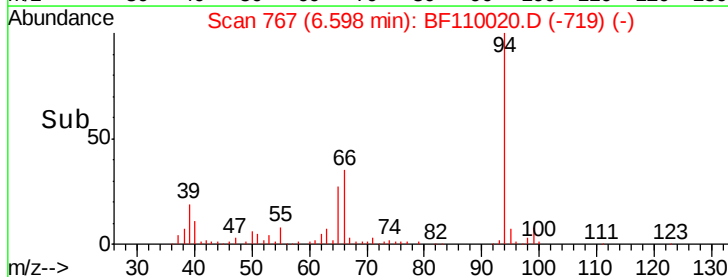
94 100

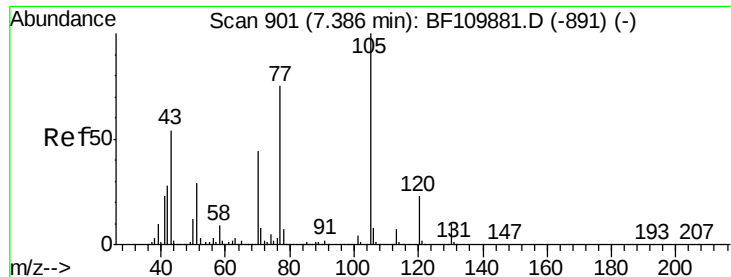
65 27.1 25.3 65.3

66 34.6 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

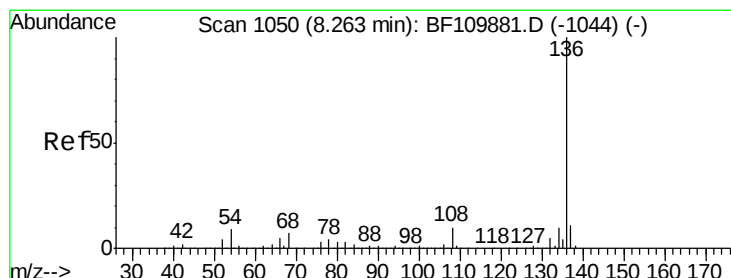
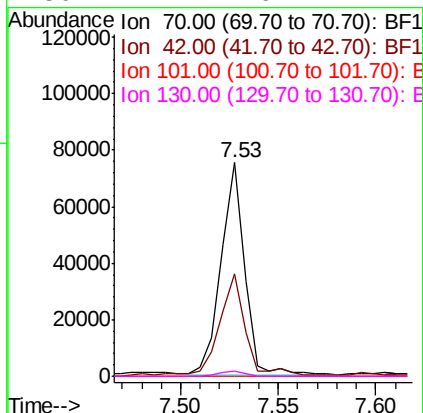
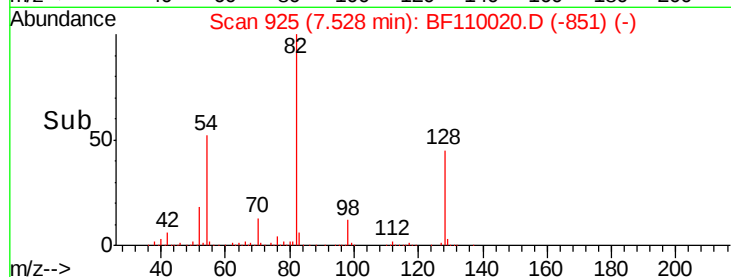
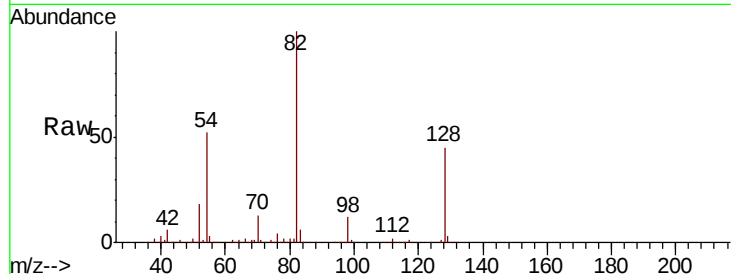




#19
n-Nitroso-di-n-propylamine
Concen: 6.199 ng
RT: 7.53 min Scan# 925
Delta R.T. 0.14 min
Lab File: BF110020.D
Acq: 19 Oct 2018 23:11

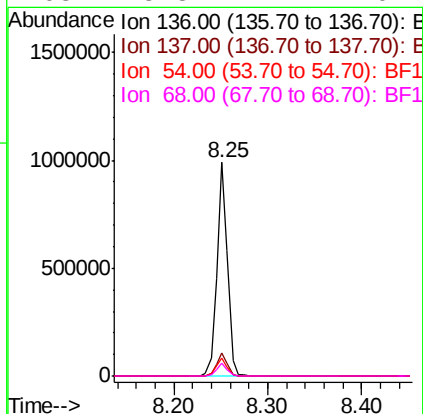
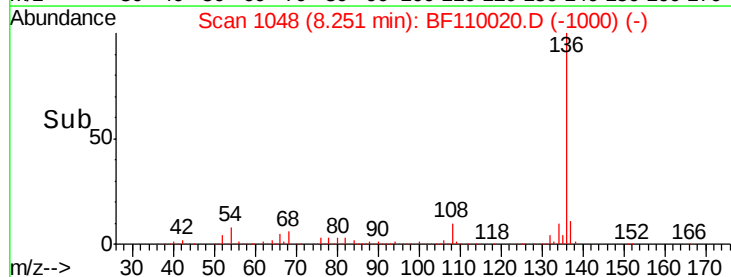
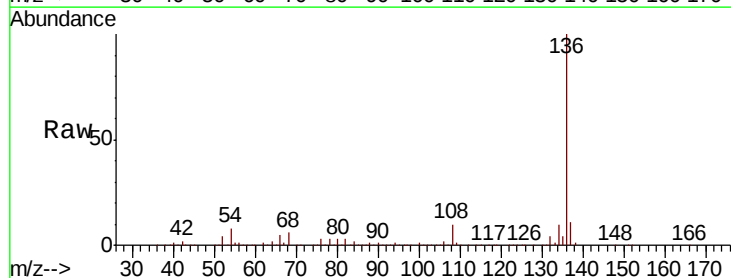
Instrument :
BNA_F
ClientSampleId :

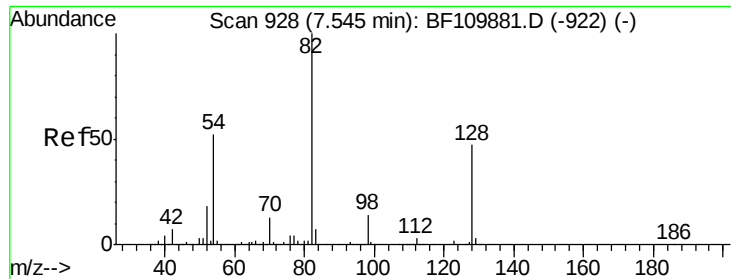
Tot Ion	70	Resp	63323
Ion Ratio	Lower	Upper	
70	100		
42	48.1	47.4	71.2
101	0.0	7.3	10.9#
130	2.7	16.2	24.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1048
Delta R.T. -0.02 min
Lab File: BF110020.D
Acq: 19 Oct 2018 23:11

Tgt Ion	136	Resp	782975
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.8	13.2
54	8.4	5.4	8.2#
68	5.8	4.2	6.2

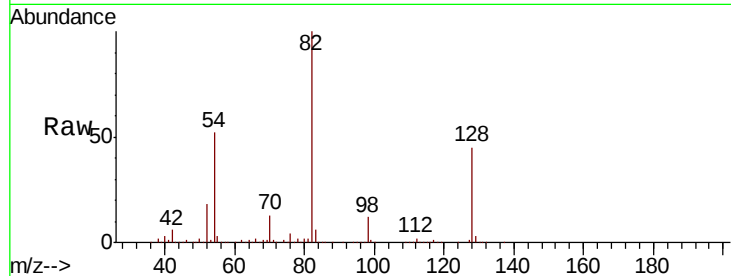




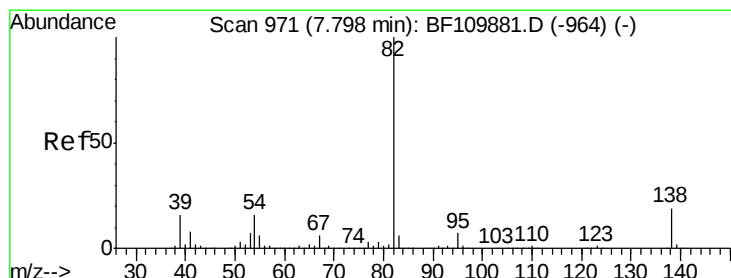
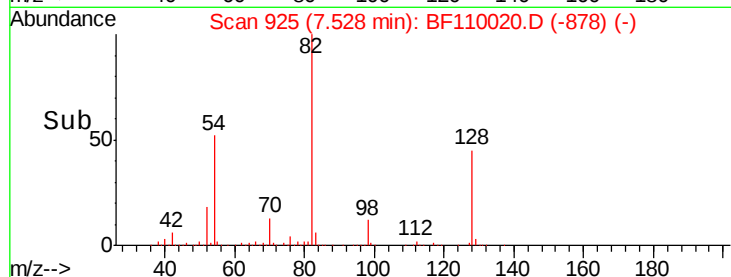
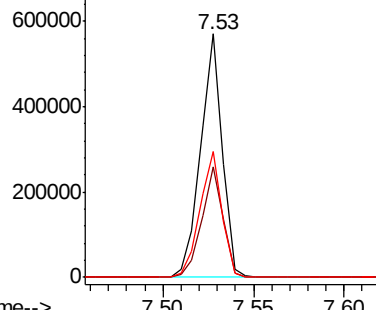
#23
Nitrobenzene-d5
Concen: 40.810 ng
RT: 7.53 min Scan# 925
Delta R.T. -0.02 min
Lab File: BF110020.D
Acq: 19 Oct 2018 23:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion	82	Resp	474342
Ion Ratio	Lower	Upper	
82	100		
128	45.3	34.2	51.2
54	51.7	38.6	58.0

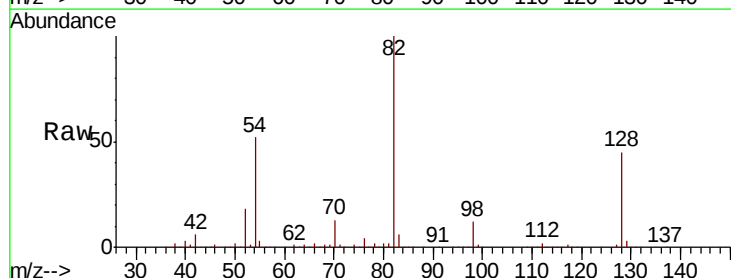


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

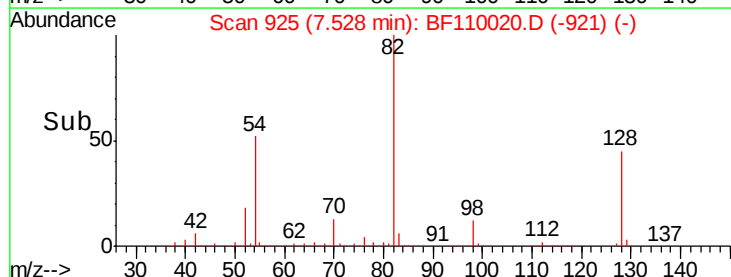
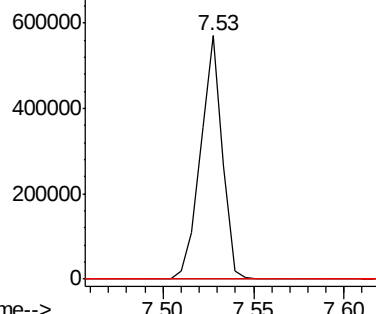


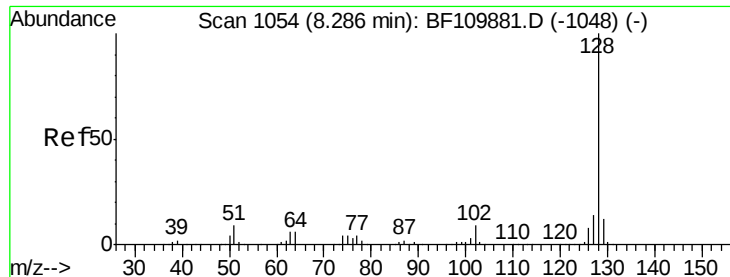
#25
Isophorone
Concen: 20.770 ng
RT: 7.53 min Scan# 925
Delta R.T. -0.28 min
Lab File: BF110020.D
Acq: 19 Oct 2018 23:11

Tgt Ion	82	Resp	474342
Ion Ratio	Lower	Upper	
82	100		
95	0.2	5.7	8.5#
138	0.0	13.2	19.8#



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

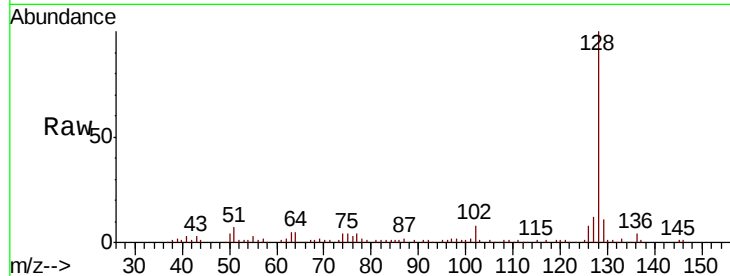




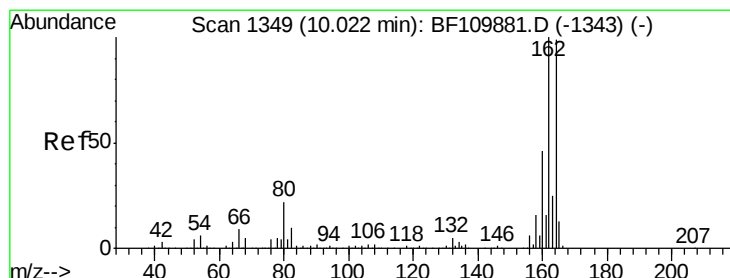
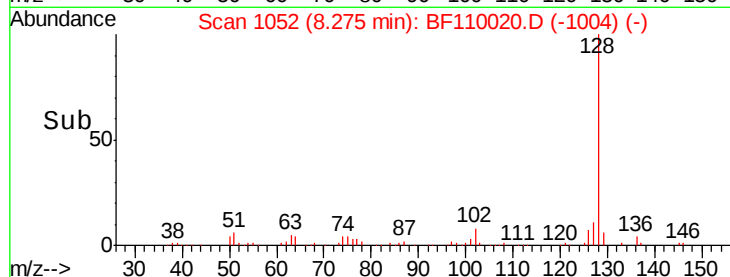
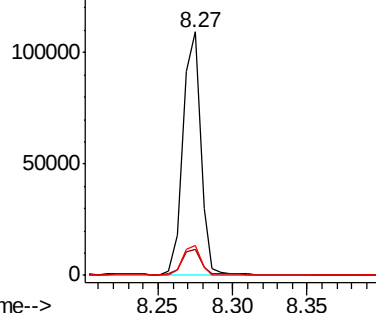
#31
Naphthalene
Concen: 2.553 ng
RT: 8.27 min Scan# 1052
Delta R.T. -0.02 min
Lab File: BF110020.D
Acq: 19 Oct 2018 23:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion:128 Resp: 91656
Ion Ratio Lower Upper
128 100
129 10.9 8.8 13.2
127 12.1 10.8 16.2

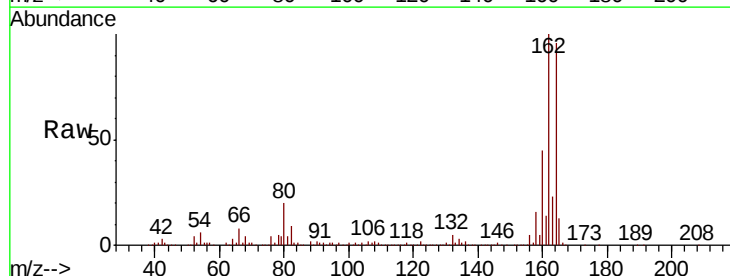


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

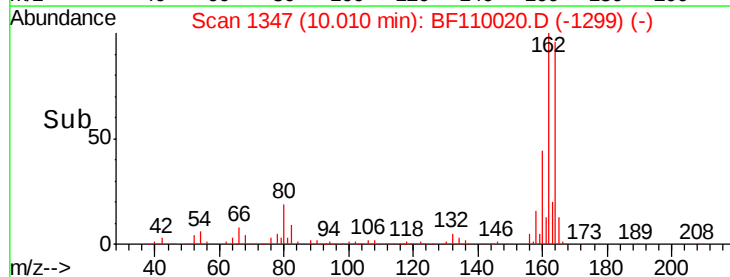
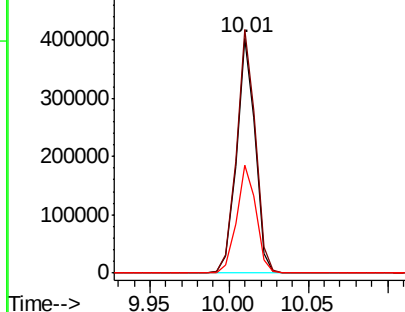


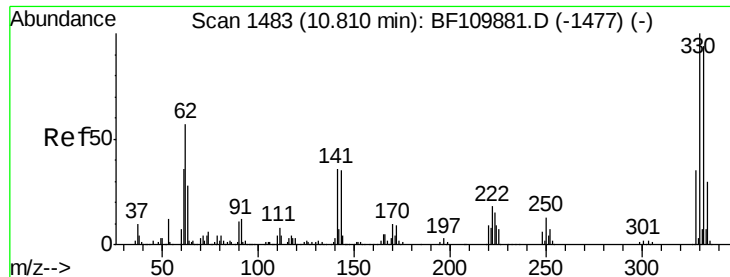
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.01 min Scan# 1347
Delta R.T. -0.02 min
Lab File: BF110020.D
Acq: 19 Oct 2018 23:11

Tgt Ion:164 Resp: 326489
Ion Ratio Lower Upper
164 100
162 103.7 83.0 124.6
160 46.2 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

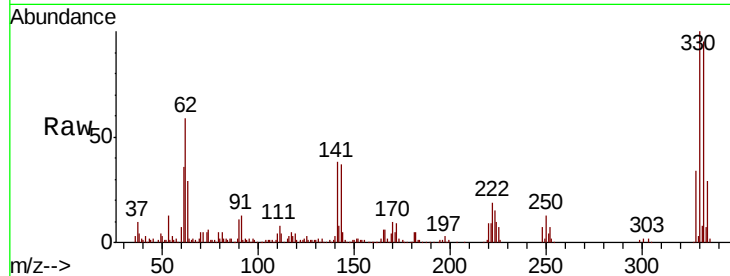




#42
 2,4,6-Tribromophenol
 Concen: 51.139 ng
 RT: 10.80 min Scan# 1481
 Delta R.T. -0.02 min
 Lab File: BF110020.D
 Acq: 19 Oct 2018 23:11

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.2	77.1	115.7
141	36.7	27.0	40.4

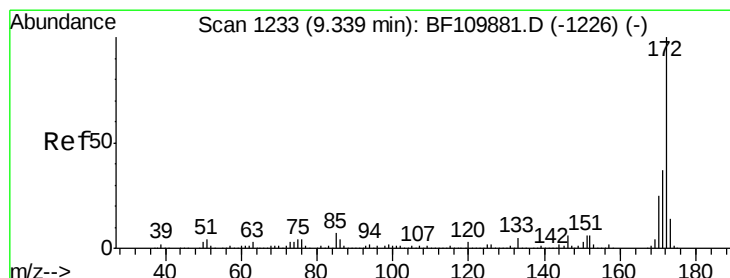
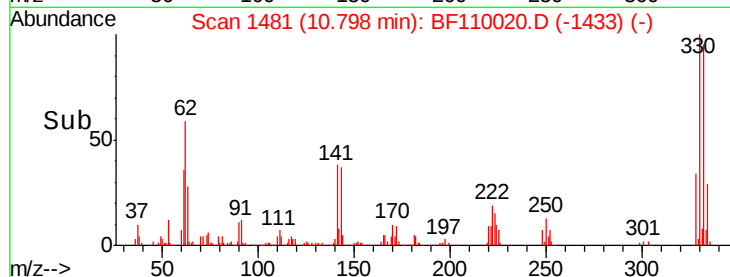
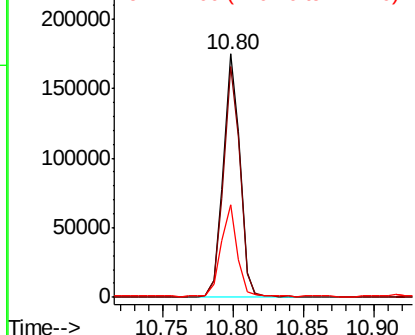


Abundance

Ion 329.80 (329.50 to 330.50): E

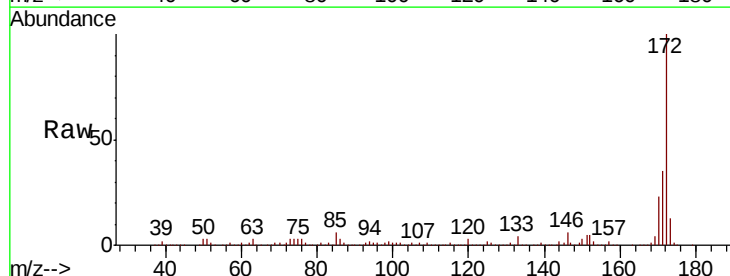
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 40.776 ng
 RT: 9.33 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: BF110020.D
 Acq: 19 Oct 2018 23:11

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.6	43.0
170	23.3	19.7	29.5

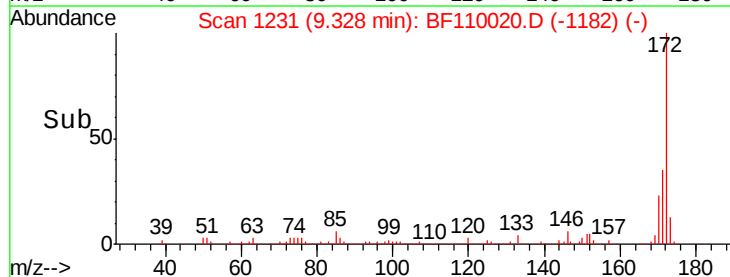
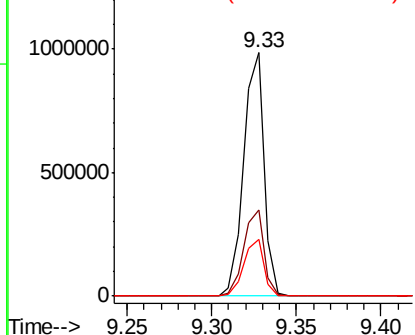


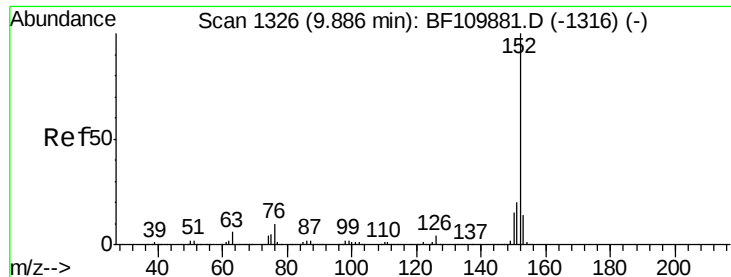
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#49

Acenaphthylene

Concen: 2.498 ng

RT: 9.87 min Scan# 1323

Delta R.T. -0.02 min

Lab File: BF110020.D

Acq: 19 Oct 2018 23:11

Instrument :

BNA_F

ClientSampled :

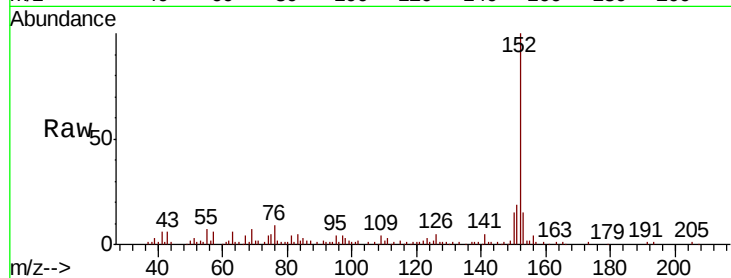
Tot Ion:152 Resp: 77753

Ion Ratio Lower Upper

152 100

151 19.0 15.8 23.8

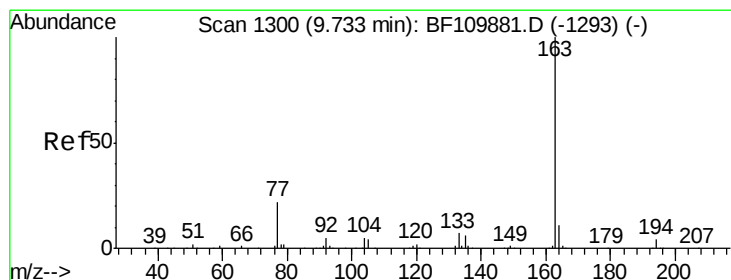
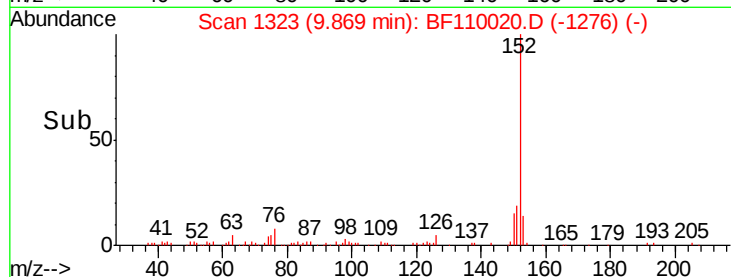
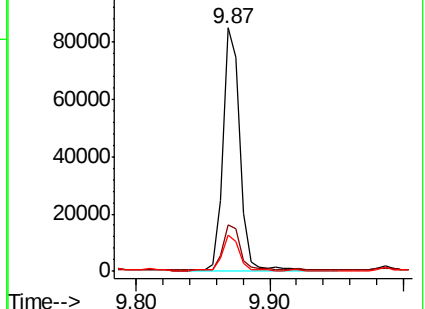
153 15.1 10.4 15.6



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 5.303 ng

RT: 9.72 min Scan# 1297

Delta R.T. -0.02 min

Lab File: BF110020.D

Acq: 19 Oct 2018 23:11

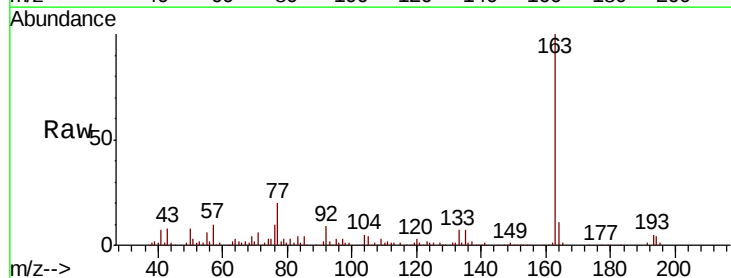
Tgt Ion:163 Resp: 122598

Ion Ratio Lower Upper

163 100

194 4.2 3.2 4.8

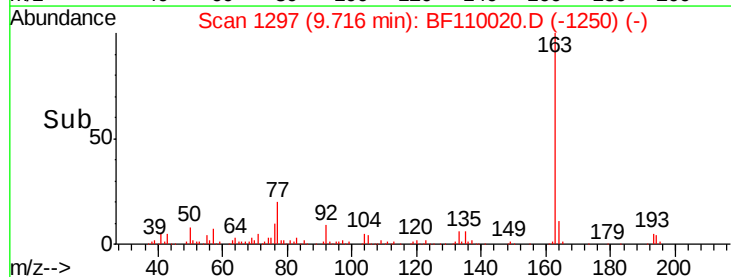
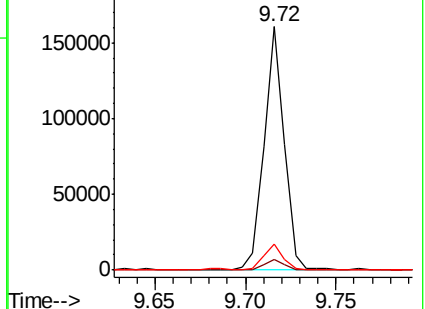
164 10.9 8.1 12.1

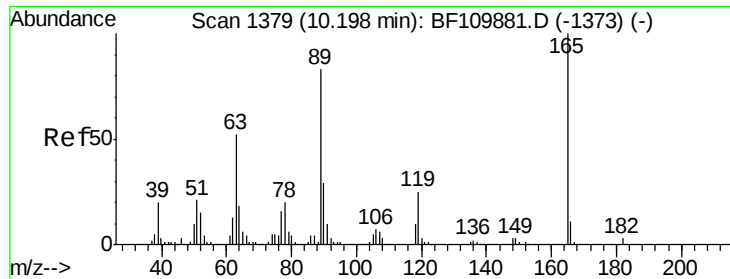


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

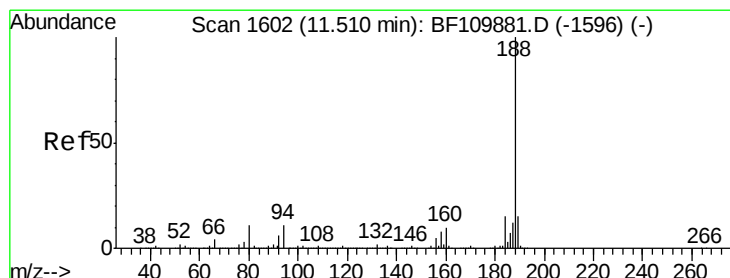
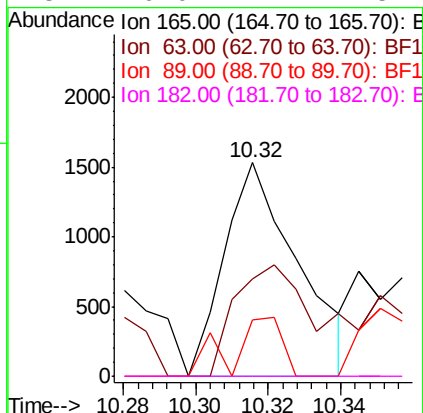
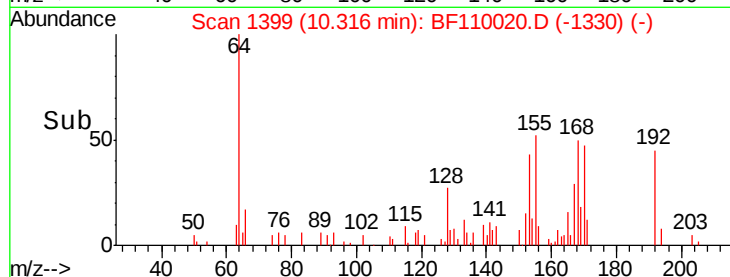
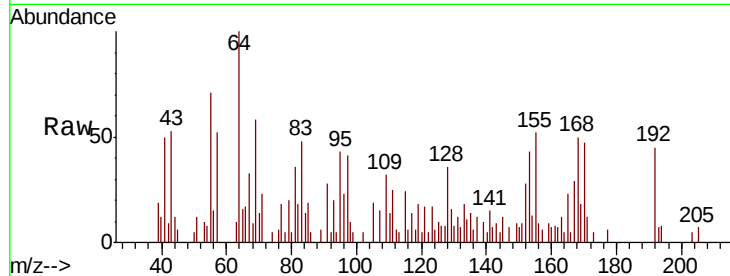




#57
 2,4-Dinitrotoluene
 Concen: 4.933 ng
 RT: 10.32 min Scan# 1399
 Delta R.T. 0.11 min
 Lab File: BF110020.D
 Acq: 19 Oct 2018 23:11

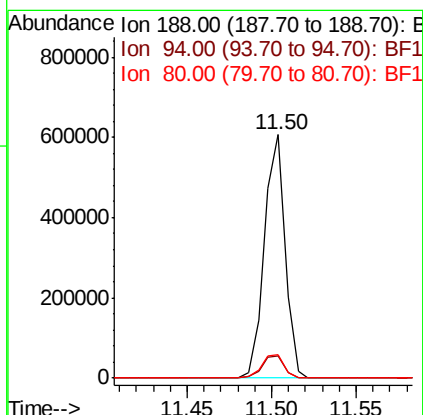
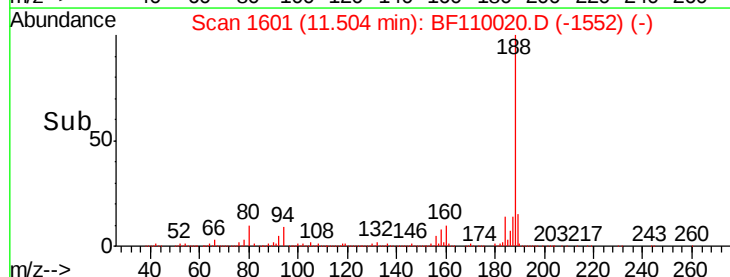
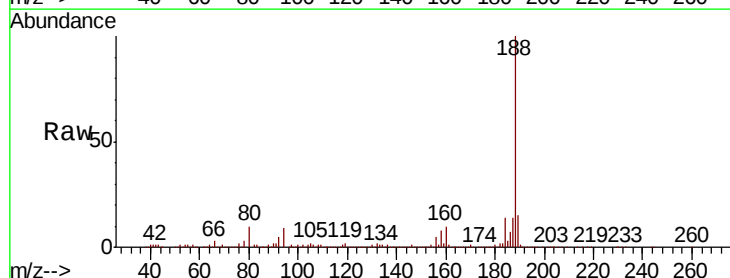
Instrument :
 BNA_F
 ClientSampleId :

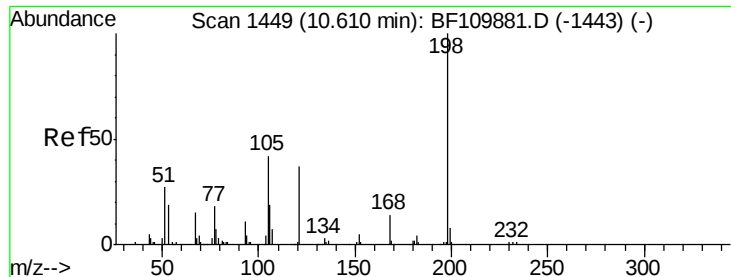
Tot Ion:165 Resp: 2149
 Ion Ratio Lower Upper
 165 100
 63 45.4 44.8 67.2
 89 26.6 62.2 93.4#
 182 0.0 2.1 3.1#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.50 min Scan# 1601
 Delta R.T. -0.01 min
 Lab File: BF110020.D
 Acq: 19 Oct 2018 23:11

Tgt Ion:188 Resp: 516393
 Ion Ratio Lower Upper
 188 100
 94 9.0 7.2 10.8
 80 9.9 7.9 11.9

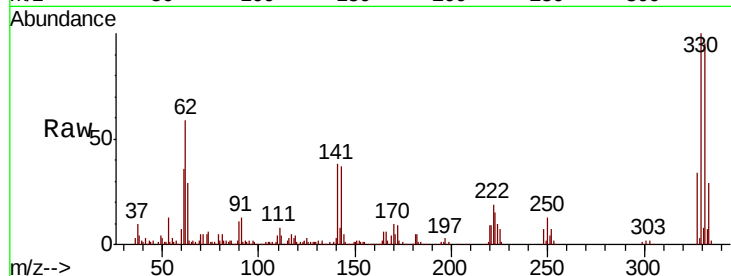




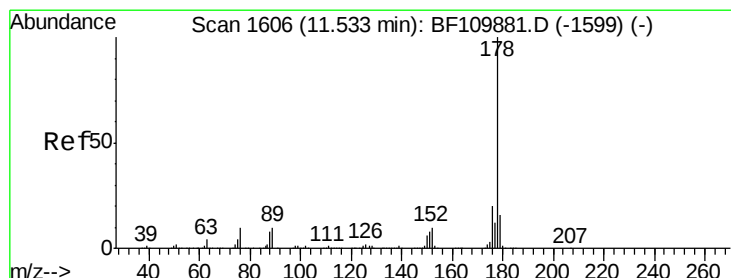
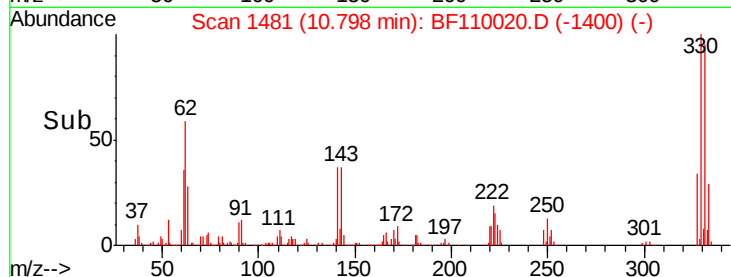
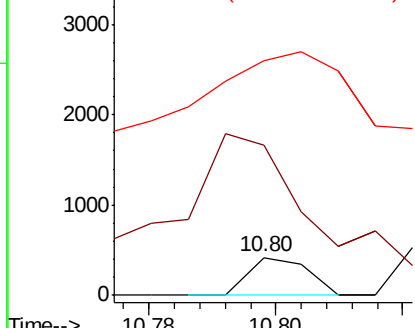
#65
 4,6-Dinitro-2-methylphenol
 Concen: 8.026 ng
 RT: 10.80 min Scan# 1481
 Delta R.T. 0.18 min
 Lab File: BF110020.D
 Acq: 19 Oct 2018 23:11

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:198 Resp: 272
 Ion Ratio Lower Upper
 198 100
 51 395.7 22.8 62.8#
 105 617.6 23.6 63.6#

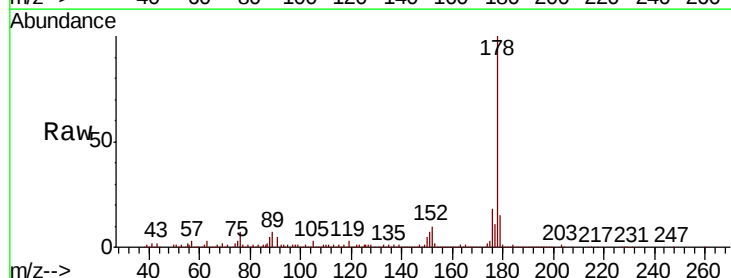


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

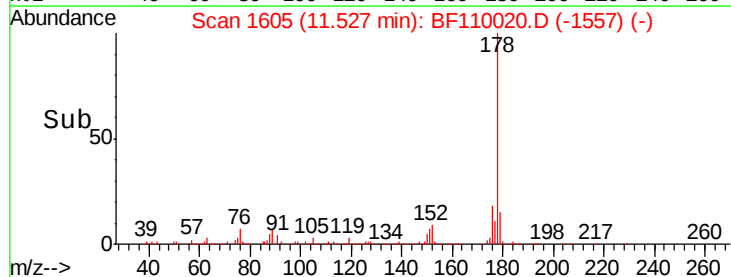
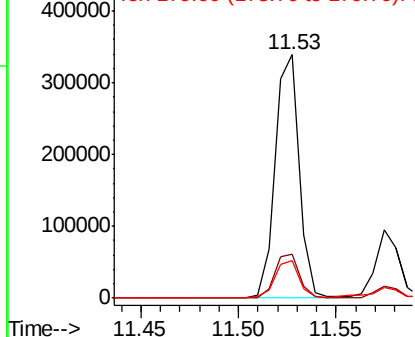


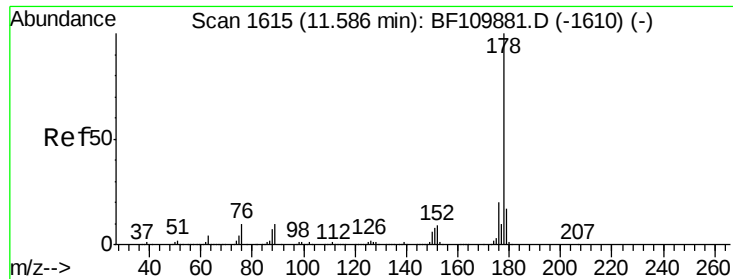
#71
 Phenanthrene
 Concen: 10.749 ng
 RT: 11.53 min Scan# 1605
 Delta R.T. -0.02 min
 Lab File: BF110020.D
 Acq: 19 Oct 2018 23:11

Tgt Ion:178 Resp: 287368
 Ion Ratio Lower Upper
 178 100
 176 18.1 15.5 23.3
 179 15.3 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: 2.840 ng

RT: 11.57 min Scan# 1613

Delta R.T. -0.02 min

Lab File: BF110020.D

Acq: 19 Oct 2018 23:11

Instrument :

BNA_F

ClientSampleId :

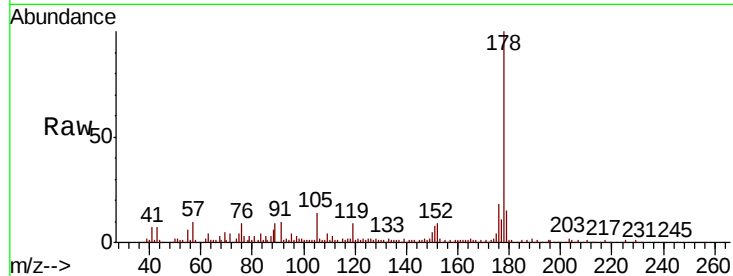
Tot Ion:178 Resp: 76325

Ion Ratio Lower Upper

178 100

176 17.7 15.4 23.2

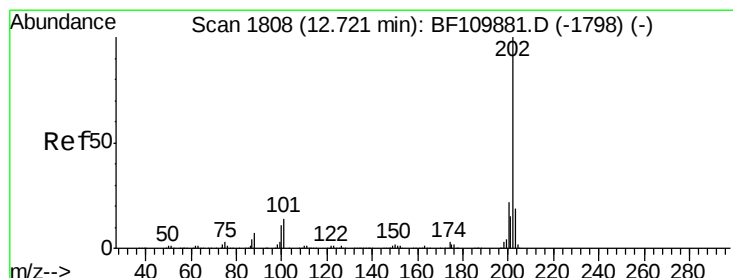
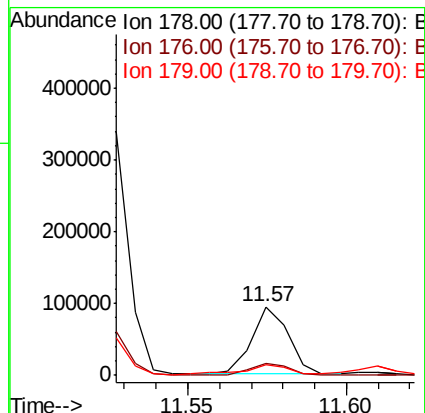
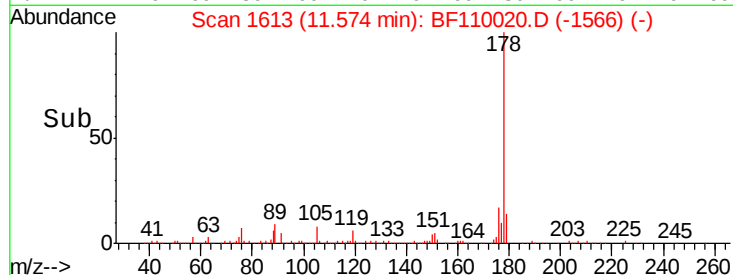
179 15.2 12.6 18.8



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: 20.579 ng

RT: 12.72 min Scan# 1808

Delta R.T. -0.01 min

Lab File: BF110020.D

Acq: 19 Oct 2018 23:11

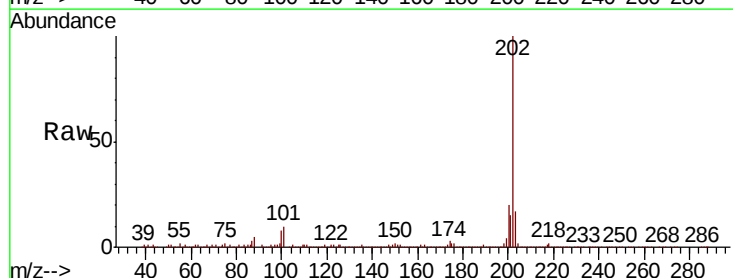
Tgt Ion:202 Resp: 549607

Ion Ratio Lower Upper

202 100

101 10.1 0.0 31.4

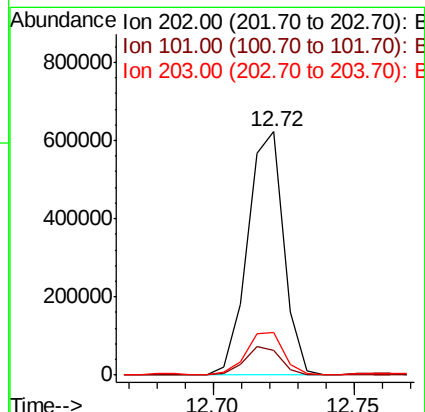
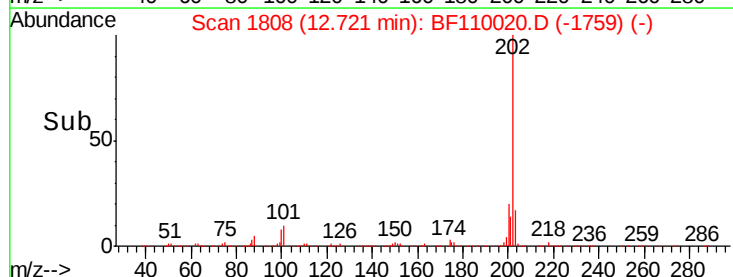
203 17.4 0.0 37.7

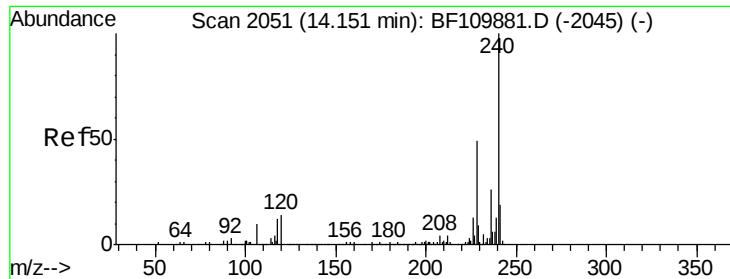


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

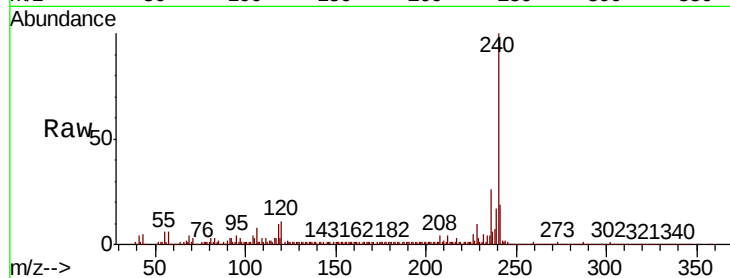




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.15 min Scan# 2051
Delta R.T. -0.01 min
Lab File: BF110020.D
Acq: 19 Oct 2018 23:11

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
240	100		
120	11.3	8.3	12.5
236	26.1	21.2	31.8

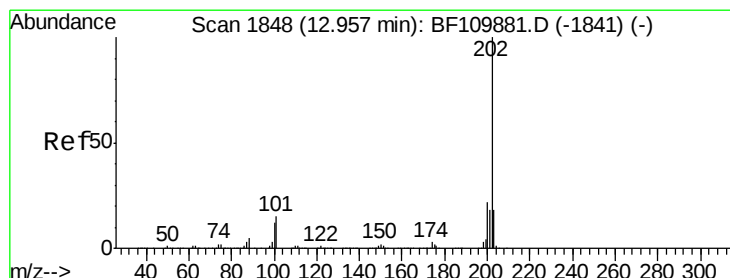
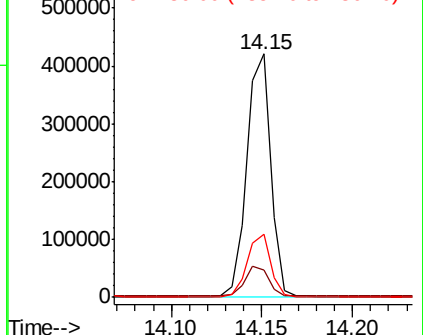
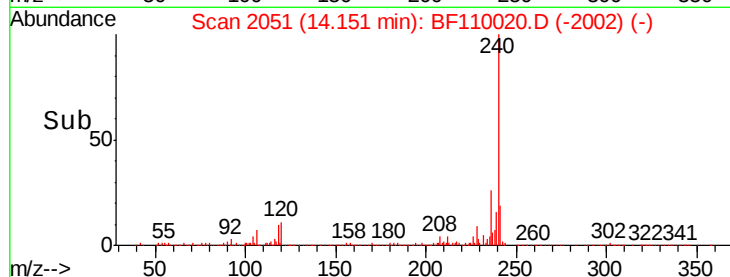


Abundance

Ion 240.00 (239.70 to 240.70): E

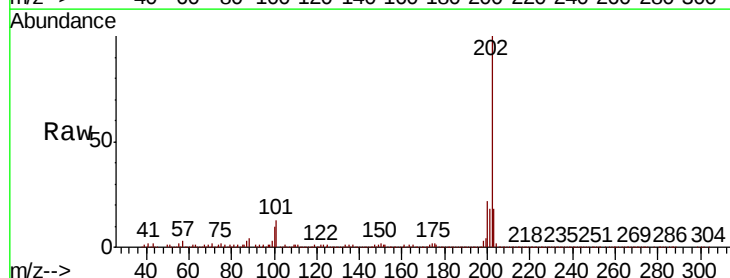
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78
Pyrene
Concen: 20.473 ng
RT: 12.95 min Scan# 1847
Delta R.T. -0.02 min
Lab File: BF110020.D
Acq: 19 Oct 2018 23:11

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.8	17.8	26.6
203	18.0	14.2	21.4

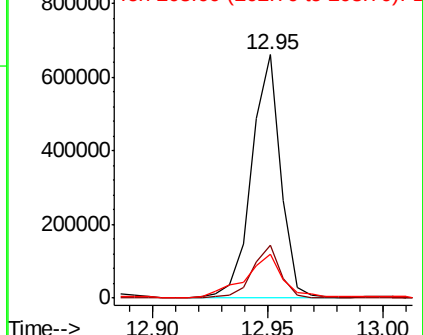
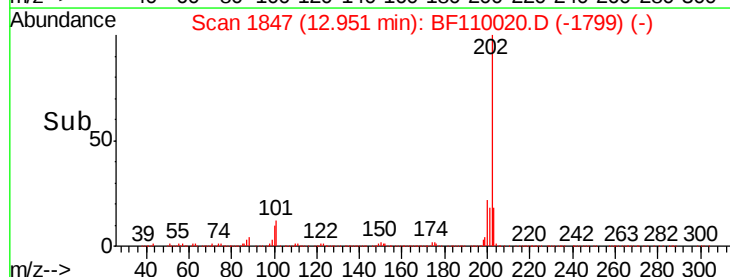


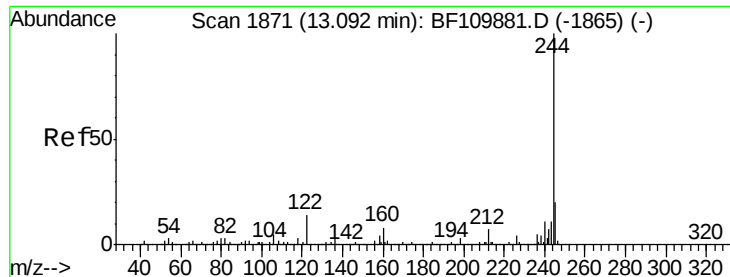
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

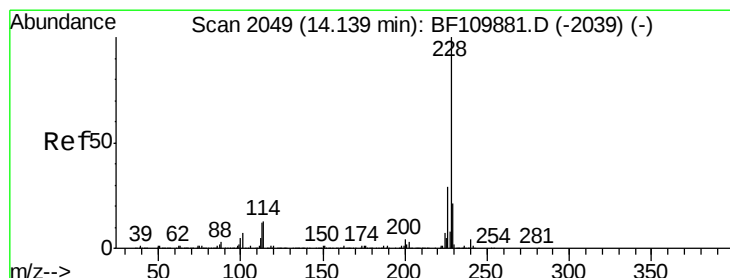
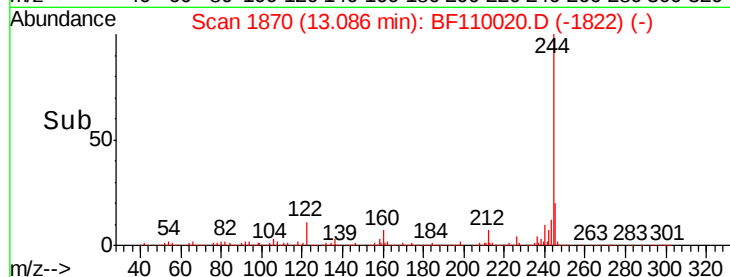
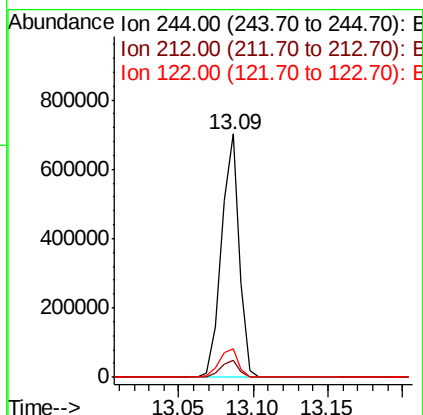
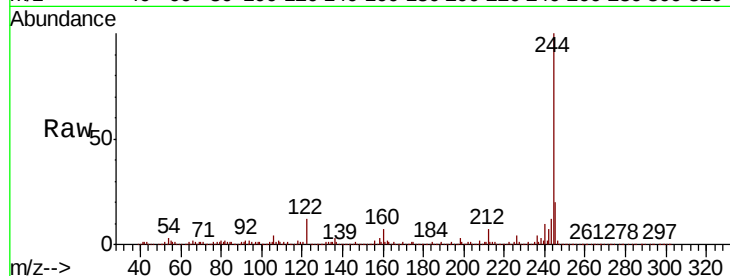




#79
 Terphenyl-d14
 Concen: 32.156 ng
 RT: 13.09 min Scan# 1870
 Delta R.T. -0.02 min
 Lab File: BF110020.D
 Acq: 19 Oct 2018 23:11

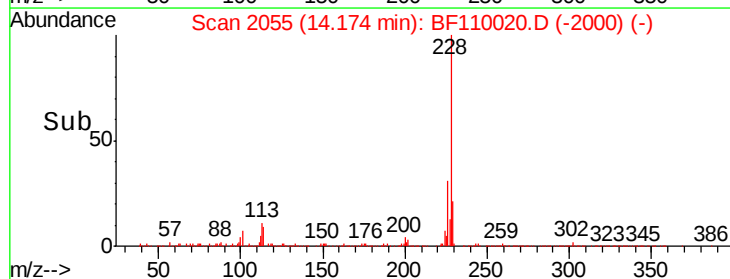
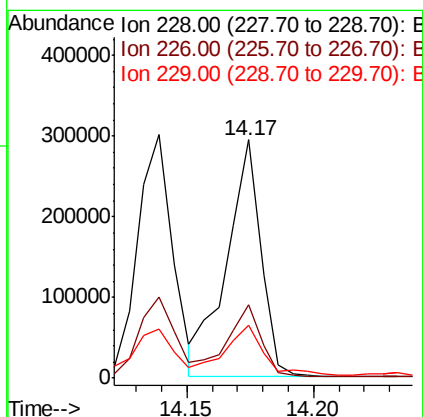
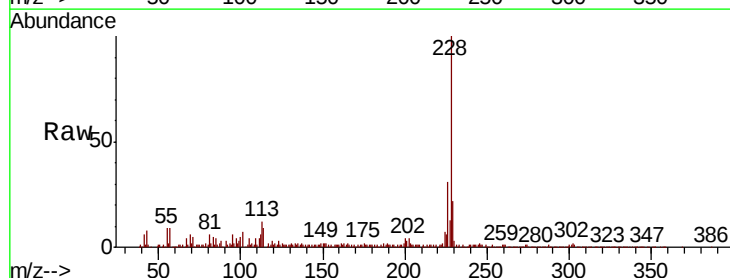
Instrument :
 BNA_F
 ClientSampleId :

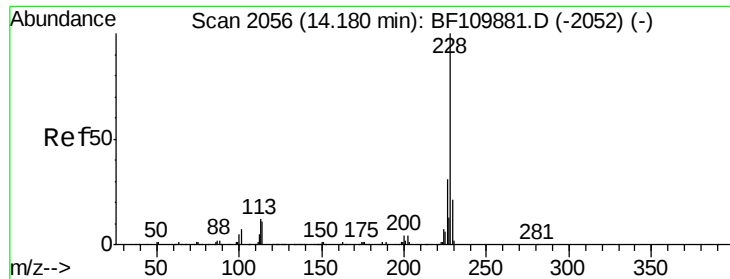
Tot Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.8	8.8
122	11.6	8.7	13.1



#81
 Benzo(a)anthracene
 Concen: 12.228 ng
 RT: 14.17 min Scan# 2055
 Delta R.T. 0.02 min
 Lab File: BF110020.D
 Acq: 19 Oct 2018 23:11

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.0	22.1	33.1
229	22.4	15.6	23.4





#83

Chrysene

Concen: 12.847 ng

RT: 14.17 min Scan# 2055

Delta R.T. -0.02 min

Lab File: BF110020.D

Acq: 19 Oct 2018 23:11

Instrument :

BNA_F

ClientSampleId :

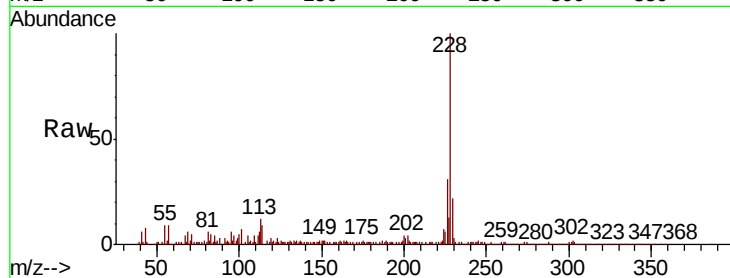
Tot Ion:228 Resp: 277323

Ion Ratio Lower Upper

228 100

226 31.0 24.7 37.1

229 22.4 15.9 23.9

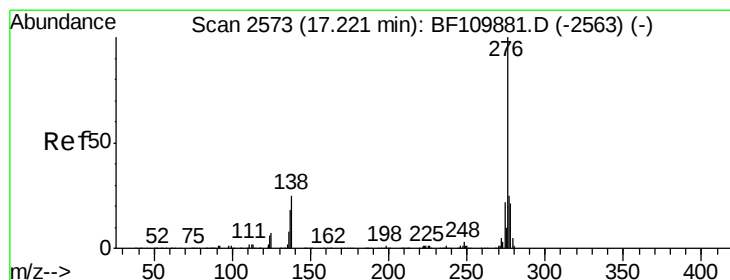
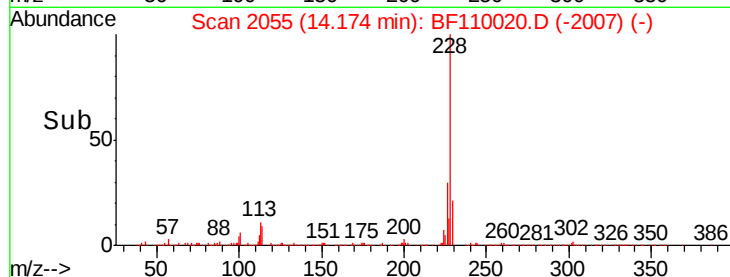
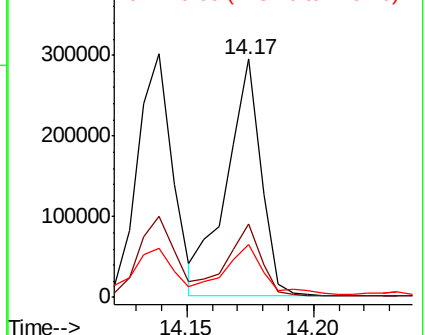


Abundance

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: 9.007 ng

RT: 17.23 min Scan# 2575

Delta R.T. -0.03 min

Lab File: BF110020.D

Acq: 19 Oct 2018 23:11

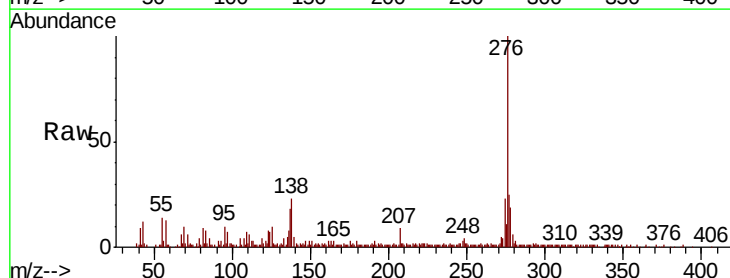
Tgt Ion:276 Resp: 156552

Ion Ratio Lower Upper

276 100

138 23.8 18.5 27.7

277 25.1 20.0 30.0

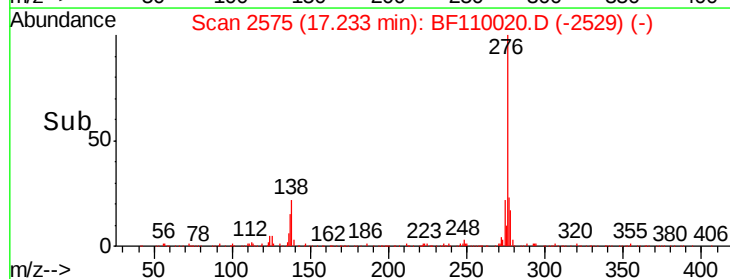
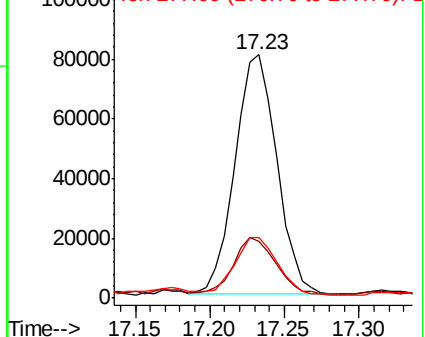


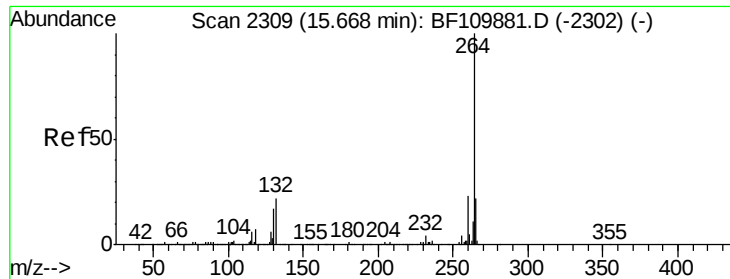
Abundance

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

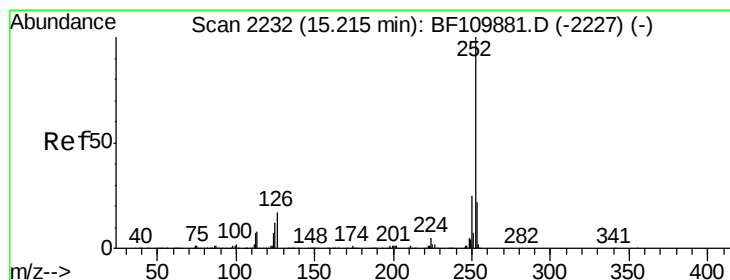
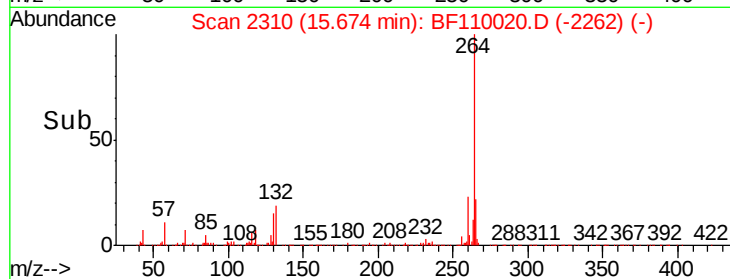
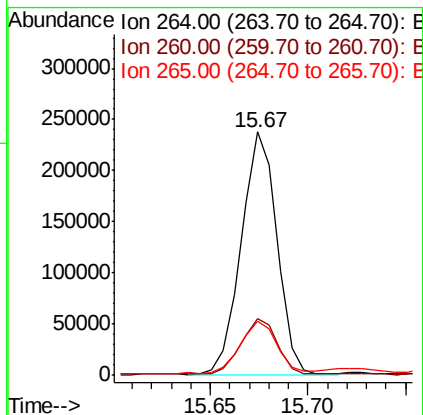
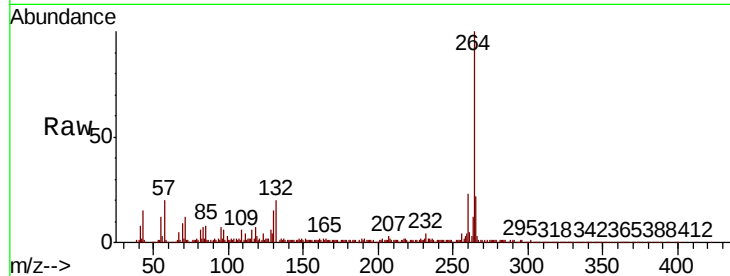




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.67 min Scan# 2310
Delta R.T. -0.02 min
Lab File: BF110020.D
Acq: 19 Oct 2018 23:11

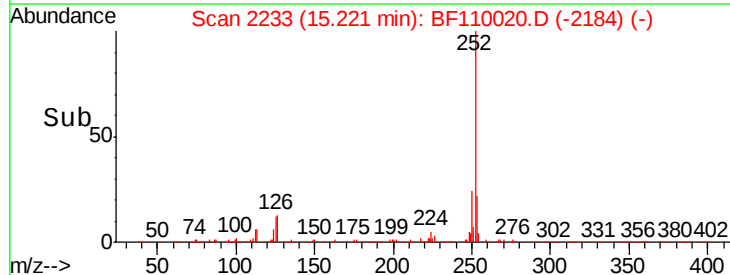
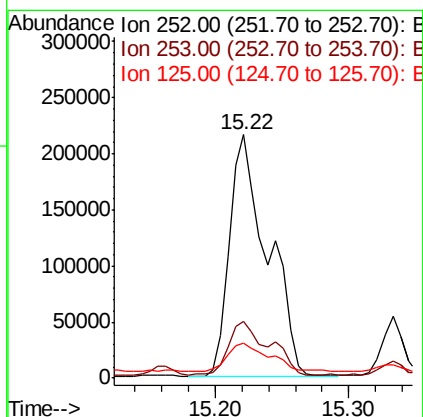
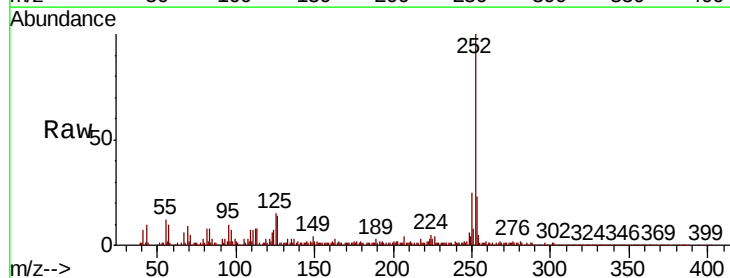
Instrument :
BNA_F
ClientSampleId :

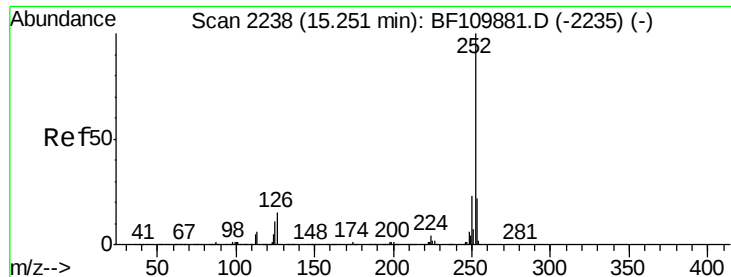
Tot Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.7	28.1
265	22.4	16.7	25.1



#88
Benzo(b)fluoranthene
Concen: 25.015 ng
RT: 15.22 min Scan# 2233
Delta R.T. -0.01 min
Lab File: BF110020.D
Acq: 19 Oct 2018 23:11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.2	25.8
125	14.6	8.2	12.4#

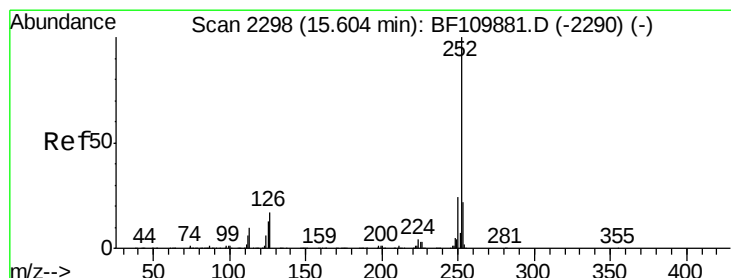
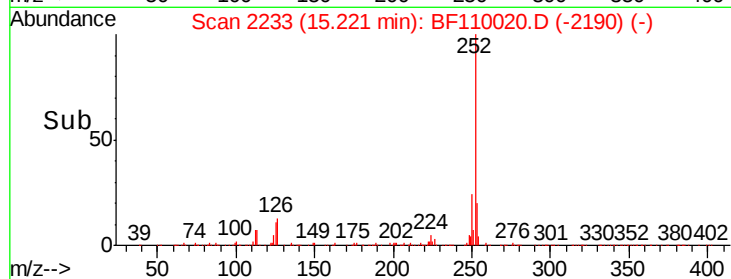
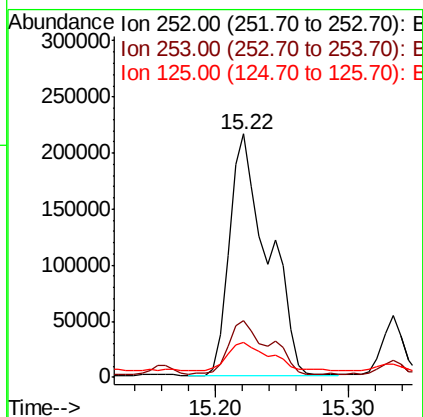
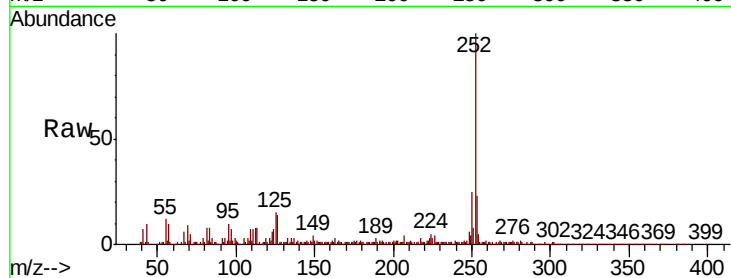




#89
Benzo(k)fluoranthene
Concen: 25.379 ng
RT: 15.22 min Scan# 2233
Delta R.T. -0.05 min
Lab File: BF110020.D
Acq: 19 Oct 2018 23:11

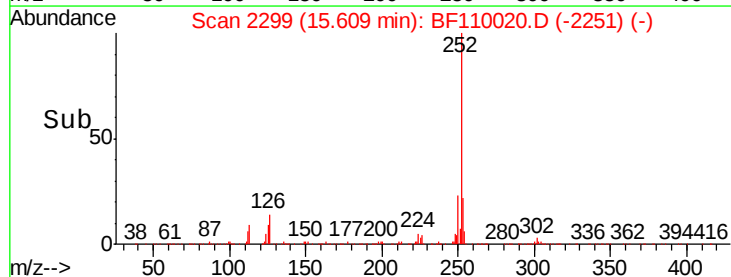
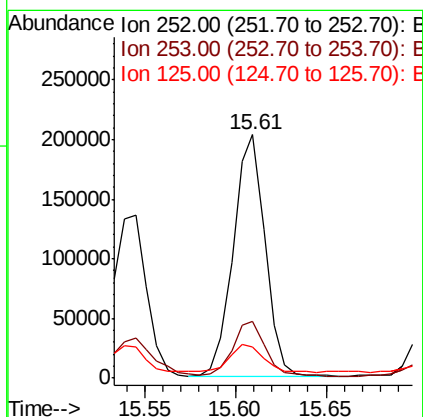
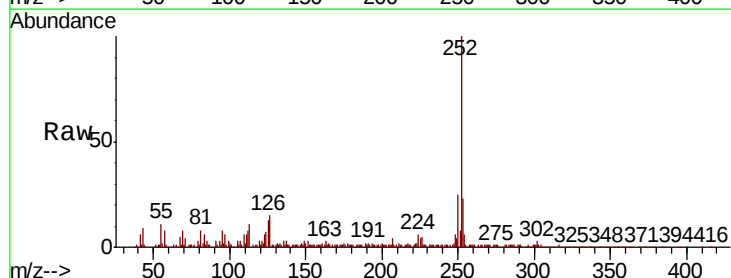
Instrument :
BNA_F
ClientSampled :

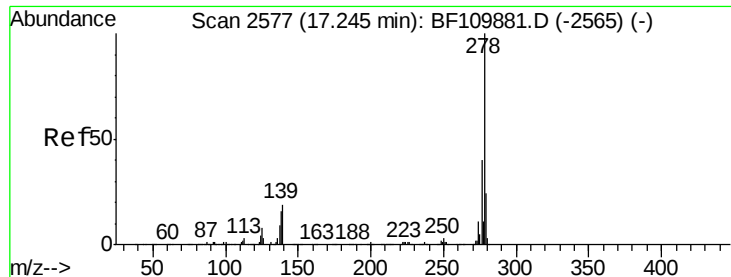
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.2	25.8
125	14.6	7.4	11.0



#90
Benzo(a)pyrene
Concen: 15.463 ng
RT: 15.61 min Scan# 2299
Delta R.T. -0.02 min
Lab File: BF110020.D
Acq: 19 Oct 2018 23:11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.2	27.4
125	13.0	9.0	13.6

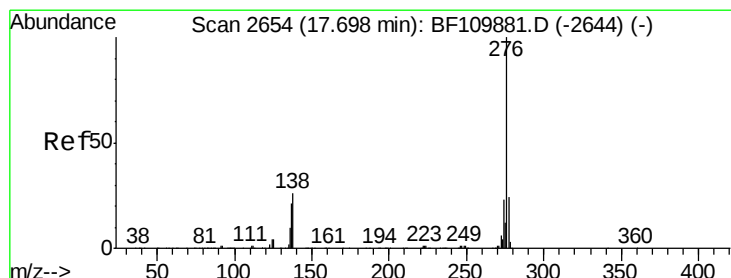
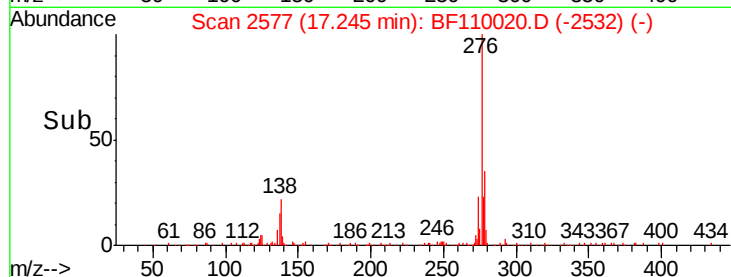
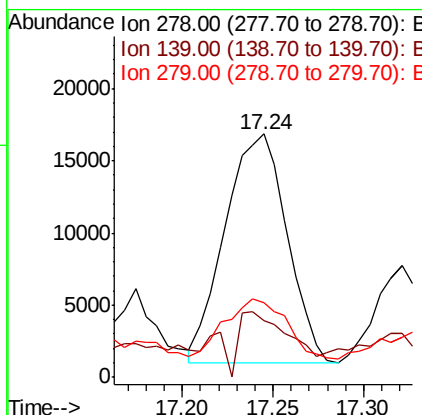
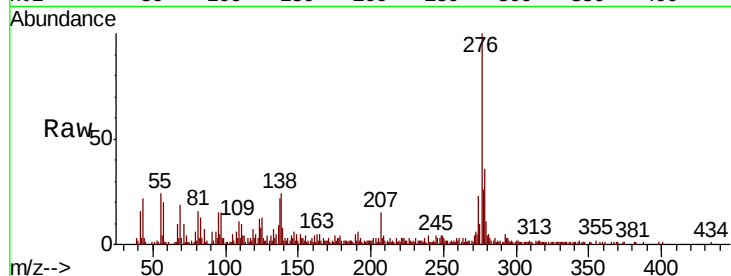




#91
Dibenzo(a,h)anthracene
Concen: 2.662 ng
RT: 17.24 min Scan# 2577
Delta R.T. -0.04 min
Lab File: BF110020.D
Acq: 19 Oct 2018 23:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
278	100		
139	23.5	12.7	19.1#
279	30.7	19.0	28.4#



#92
Benzo(g,h,i)perylene
Concen: 12.264 ng
RT: 17.71 min Scan# 2656
Delta R.T. -0.03 min
Lab File: BF110020.D
Acq: 19 Oct 2018 23:11

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.1	18.8	28.2
138	23.2	16.0	24.0

