

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110918\
 Data File : BF110641.D
 Acq On : 9 Nov 2018 21:36
 Operator : JU/SJ
 Sample : J5813-06
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 11 03:24:19 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 09 15:13:13 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	85074	20.00	ng	0.00
21) Naphthalene-d8	8.23	136	363706	20.00	ng	0.00
39) Acenaphthene-d10	9.99	164	173613	20.00	ng	0.00
64) Phenanthrene-d10	11.48	188	309582	20.00	ng	0.00
76) Chrysene-d12	14.13	240	176575	20.00	ng	-0.01
87) Perylene-d12	15.66	264	162832	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.56	112	466698	89.11	ng	0.00
7) Phenol-d6	6.57	99	611395	91.29	ng	0.00
23) Nitrobenzene-d5	7.51	82	385516	61.04	ng	0.00
42) 2,4,6-Tribromophenol	10.78	330	142653	81.55	ng	0.00
45) 2-Fluorobiphenyl	9.30	172	707442	58.20	ng	0.00
79) Terphenyl-d14	13.06	244	539009	57.17	ng	0.00

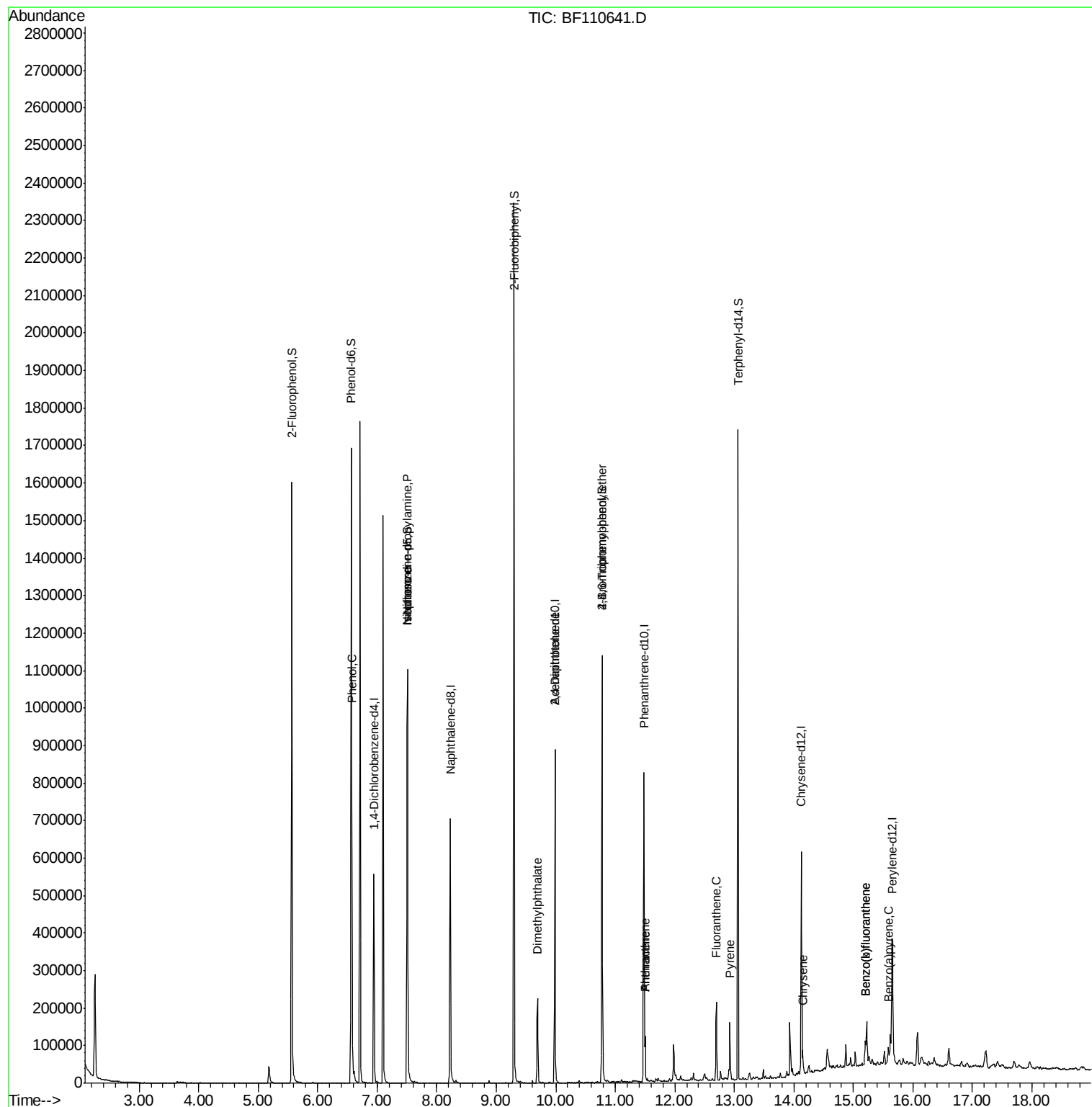
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.57	77	1231	Below Cal		# 1
10) Phenol	6.58	94	41578	5.354	ng	# 64
19) n-Nitroso-di-n-propylamine	7.51	70	50141	11.728	ng	# 78
25) Isophorone	7.51	82	385510	37.243	ng	# 67
50) Dimethylphthalate	9.69	163	104336	8.054	ng	99
57) 2,4-Dinitrotoluene	9.99	165	21711	5.859	ng	# 19
67) 4-Bromophenyl-phenylether	10.77	248	9202	2.689	ng	# 1
71) Phenanthrene	11.50	178	43008	2.593	ng	97
72) Anthracene	11.50	178	43008	2.571	ng	97
75) Fluoranthene	12.70	202	81513	4.902	ng	98
78) Pyrene	12.93	202	62273	4.580	ng	97
83) Chrysene	14.16	228	25985	2.584	ng	98
88) Benzo(b)fluoranthene	15.20	252	44273	4.545	ng	93
89) Benzo(k)fluoranthene	15.20	252	44273	4.600	ng	# 92
90) Benzo(a)pyrene	15.59	252	19963	2.256	ng	# 95

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

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110918\
Data File : BF110641.D
Acq On : 9 Nov 2018 21:36
Operator : JU/SJ
Sample : J5813-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Nov 11 03:24:19 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 09 15:13:13 2018
Response via : Initial Calibration



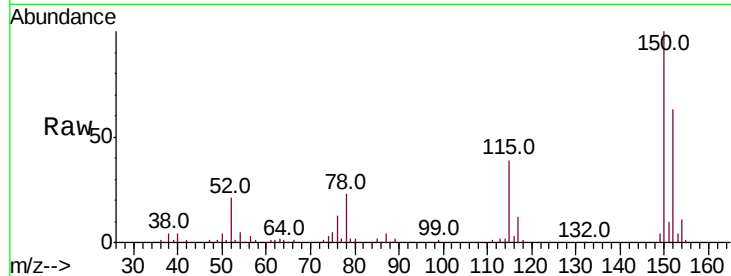


#1

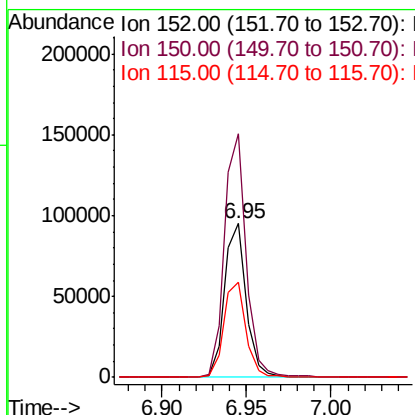
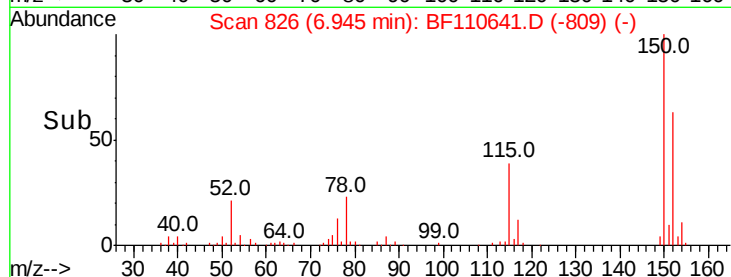
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 826
Delta R.T. 0.00 min
Lab File: BF110641.D
Acq: 9 Nov 2018 21:36

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 85074
Ion Ratio Lower Upper
152 100
150 158.2 122.7 184.1
115 61.9 49.1 73.7



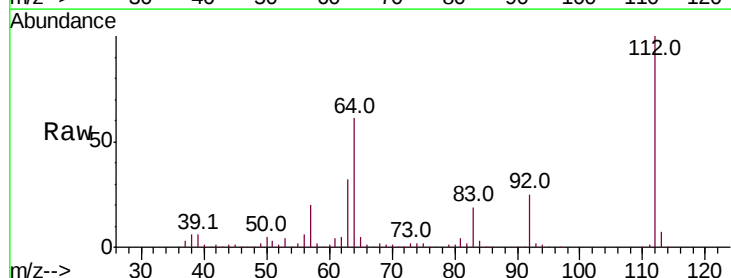
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



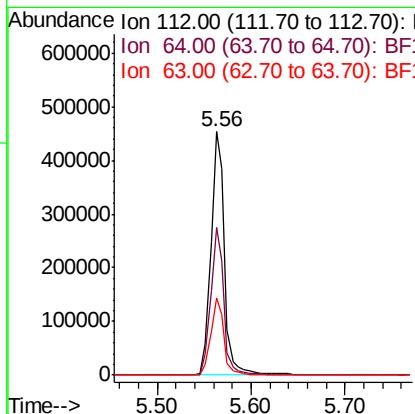
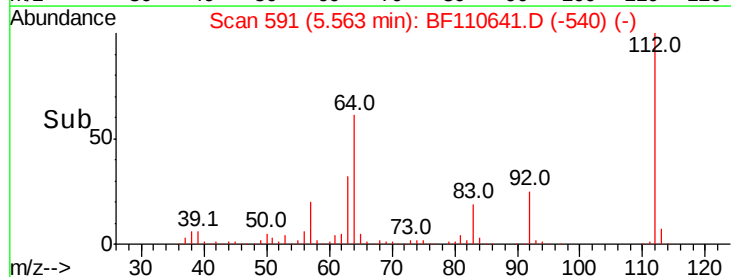
#5

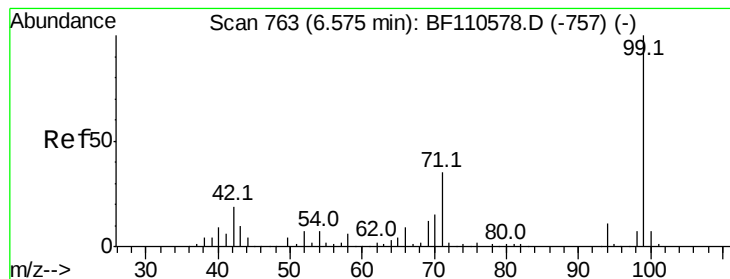
2-Fluorophenol
Concen: 89.106 ng
RT: 5.56 min Scan# 591
Delta R.T. -0.00 min
Lab File: BF110641.D
Acq: 9 Nov 2018 21:36

Tgt Ion:112 Resp: 466698
Ion Ratio Lower Upper
112 100
64 60.5 44.1 66.1
63 31.9 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: 91.287 ng

RT: 6.57 min Scan# 762

Delta R.T. -0.01 min

Lab File: BF110641.D

Acq: 9 Nov 2018 21:36

Instrument :

BNA_F

ClientSampled :

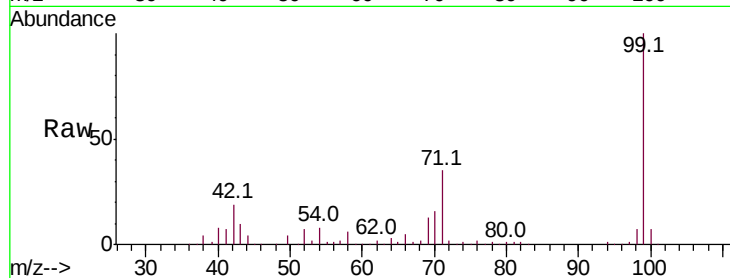
Tot Ion: 99 Resp: 611395

Ion Ratio Lower Upper

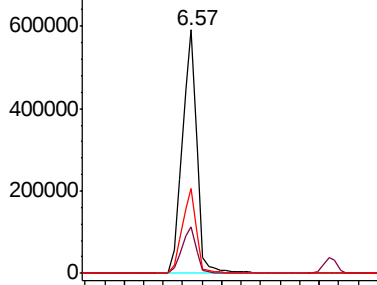
99 100

42 19.3 15.8 23.6

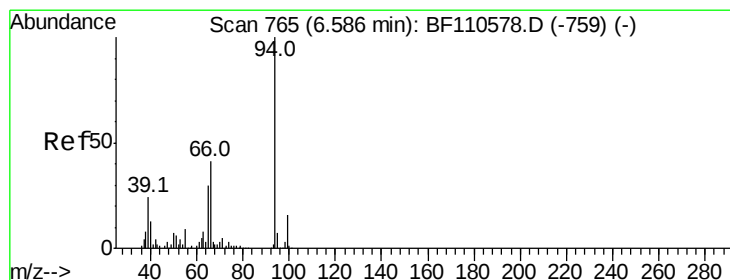
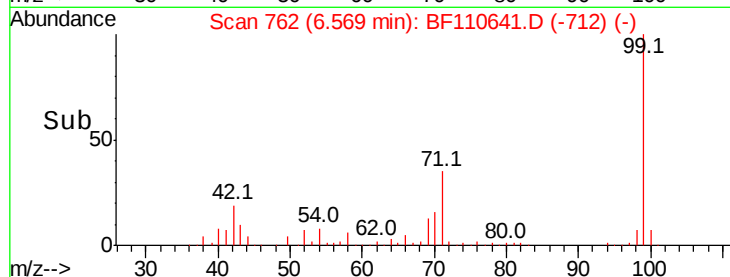
71 34.9 28.0 42.0



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



Time-->



#10

Phenol

Concen: 5.354 ng

RT: 6.58 min Scan# 764

Delta R.T. -0.01 min

Lab File: BF110641.D

Acq: 9 Nov 2018 21:36

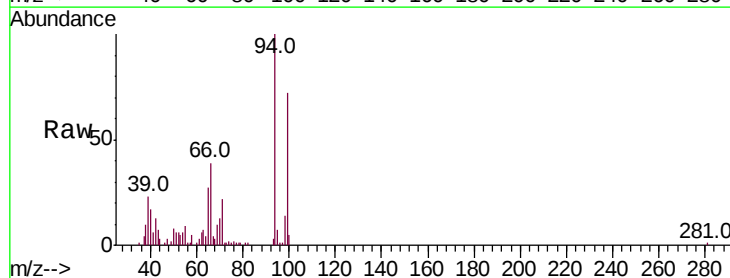
Tgt Ion: 94 Resp: 41578

Ion Ratio Lower Upper

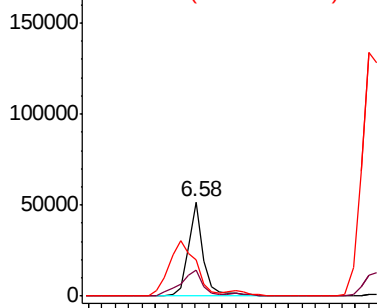
94 100

65 27.1 25.3 65.3

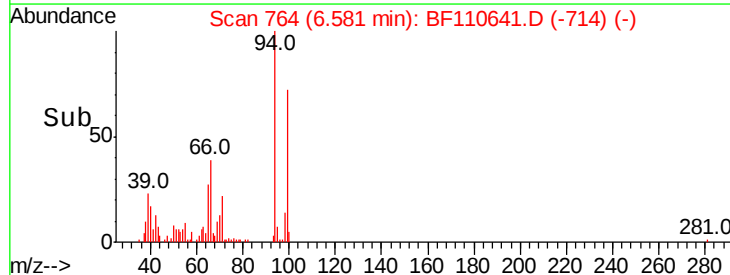
66 39.2 54.5 94.5#

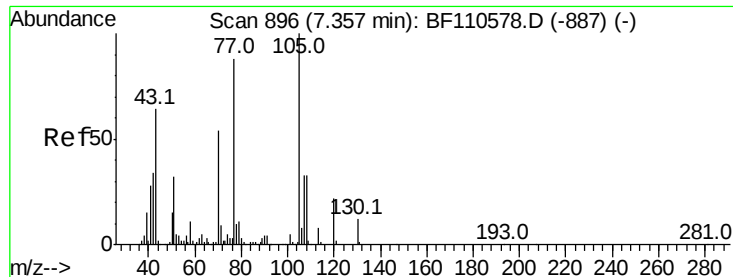


Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1



Time-->





#19

n-Nitroso-di-n-propylamine

Concen: 11.728 ng

RT: 7.51 min Scan# 922

Delta R.T. 0.15 min

Lab File: BF110641.D

Acq: 9 Nov 2018 21:36

Instrument :

BNA_F

ClientSampled :

Tot Ion: 70 Resp: 50141

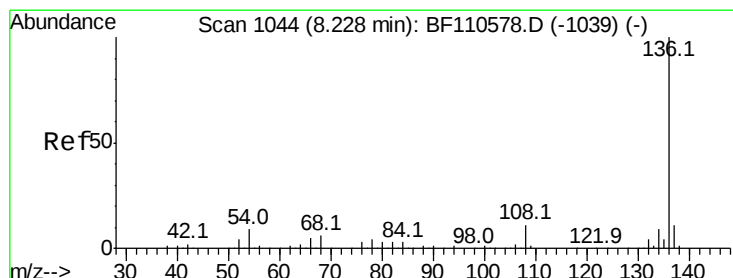
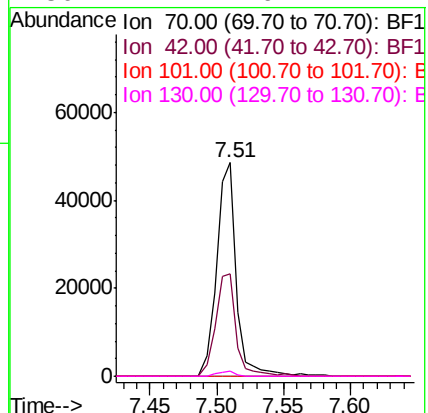
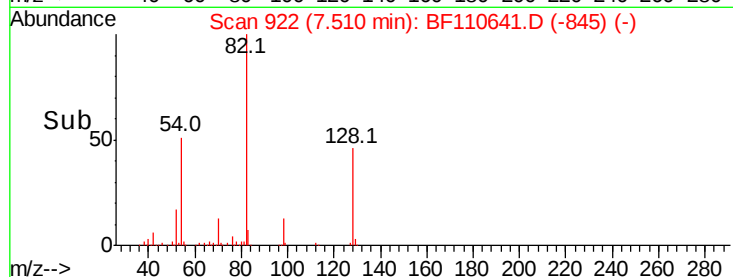
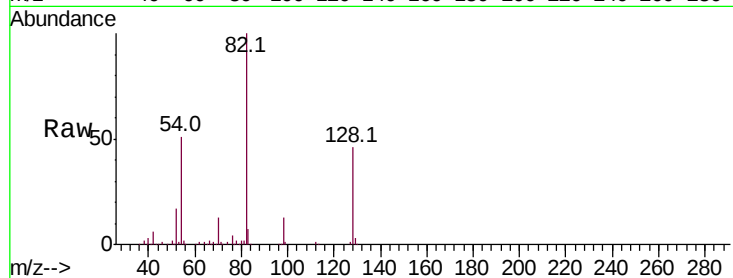
Ion Ratio Lower Upper

70 100

42 47.7 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: 8.23 min Scan# 1044

Delta R.T. 0.00 min

Lab File: BF110641.D

Acq: 9 Nov 2018 21:36

Tgt Ion: 136 Resp: 363706

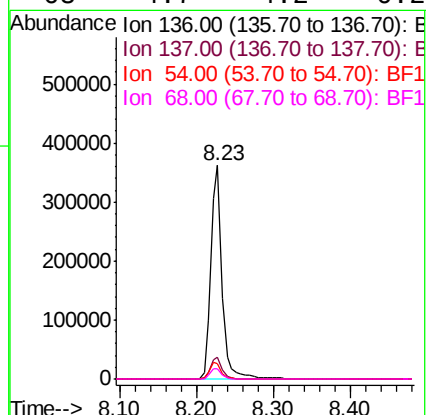
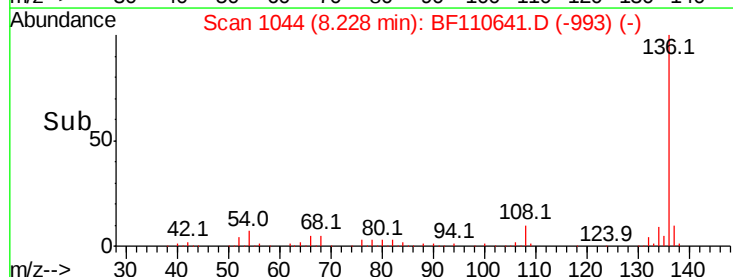
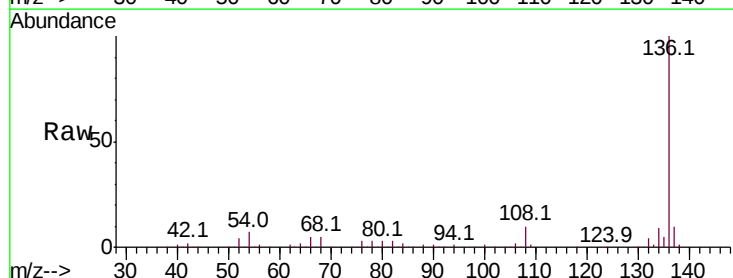
Ion Ratio Lower Upper

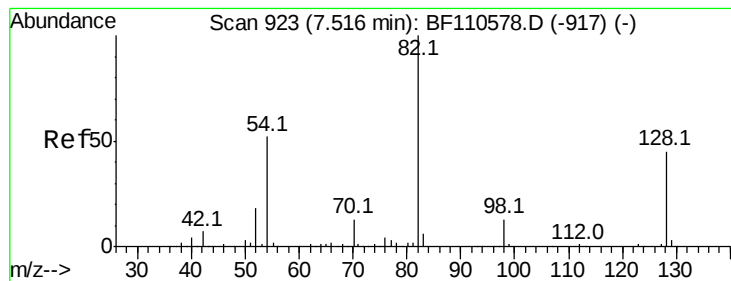
136 100

137 10.3 8.8 13.2

54 7.5 5.4 8.2

68 4.7 4.2 6.2





#23

Nitrobenzene-d5

Concen: 61.043 ng

RT: 7.51 min Scan# 922

Delta R.T. -0.01 min

Lab File: BF110641.D

Acq: 9 Nov 2018 21:36

Instrument :

BNA_F

ClientSampleId :

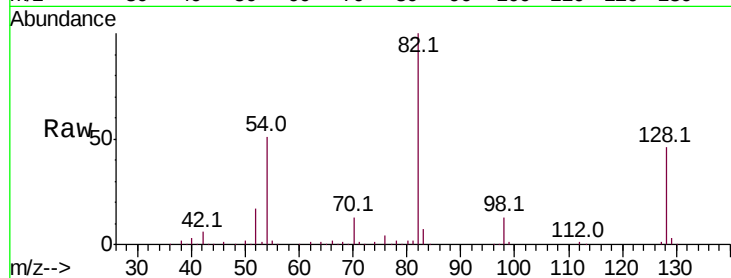
Tot Ion: 82 Resp: 385516

Ion Ratio Lower Upper

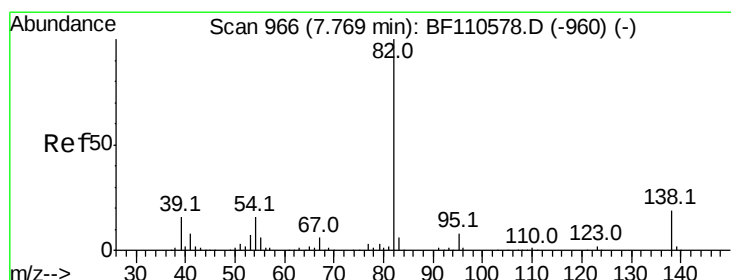
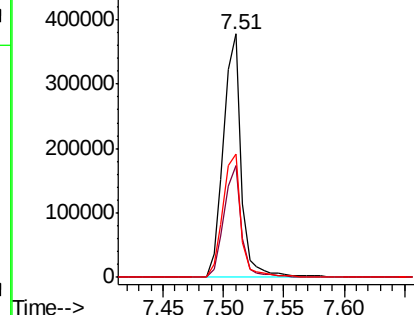
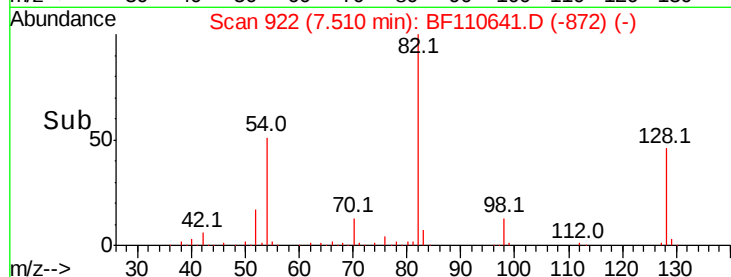
82 100

128 46.1 34.2 51.2

54 50.7 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: 37.243 ng

RT: 7.51 min Scan# 922

Delta R.T. -0.26 min

Lab File: BF110641.D

Acq: 9 Nov 2018 21:36

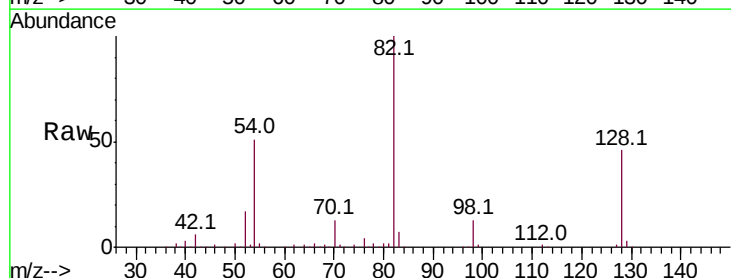
Tgt Ion: 82 Resp: 385510

Ion Ratio Lower Upper

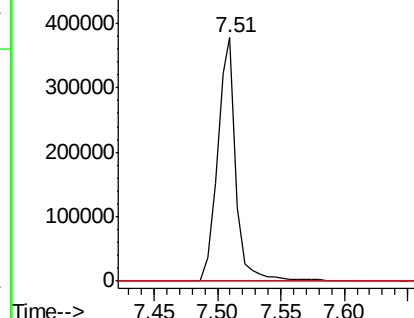
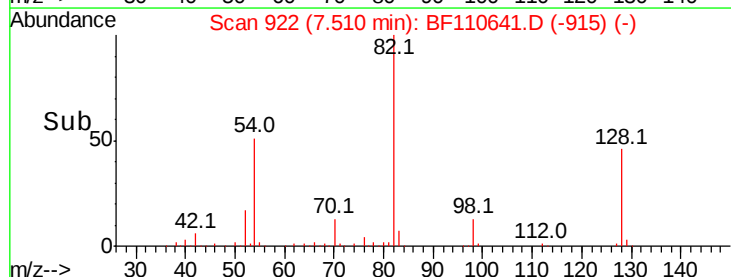
82 100

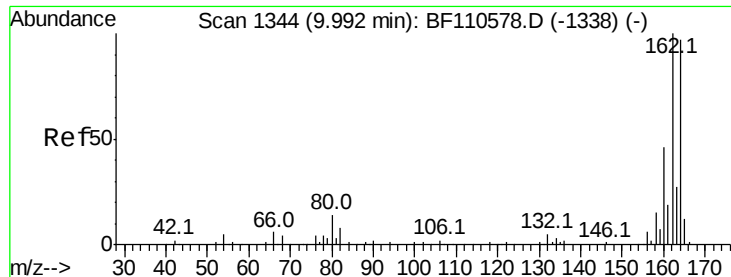
95 0.0 5.7 8.5#

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

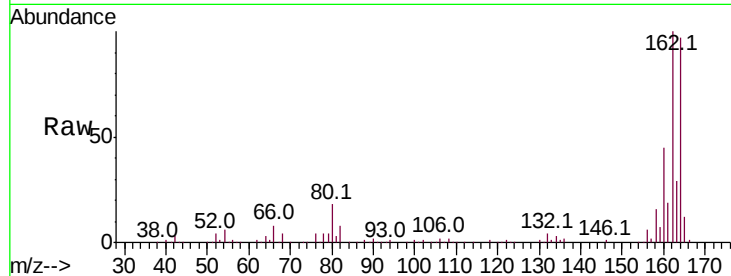




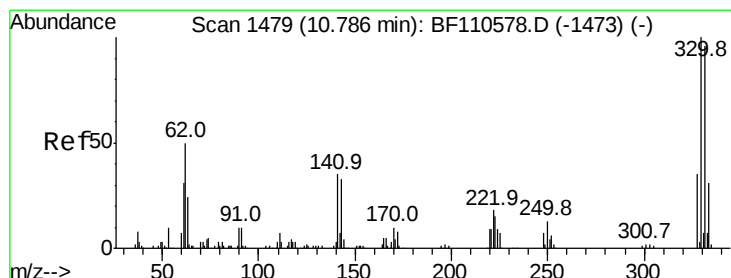
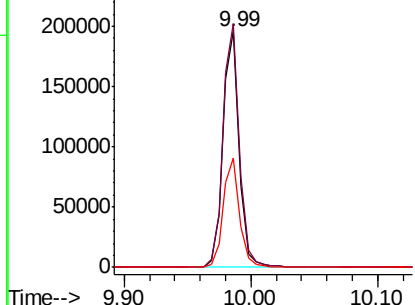
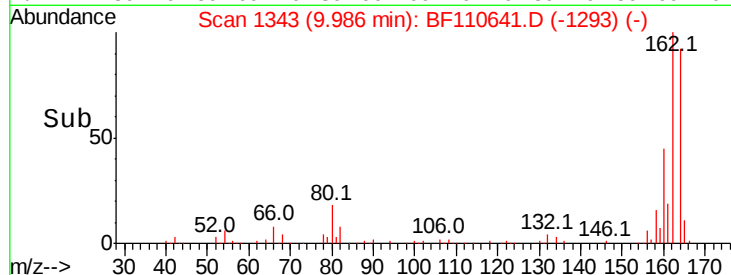
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.99 min Scan# 1343
Delta R.T. -0.01 min
Lab File: BF110641.D
Acq: 9 Nov 2018 21:36

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 173613
Ion Ratio Lower Upper
164 100
162 103.4 83.0 124.6
160 46.2 37.0 55.6

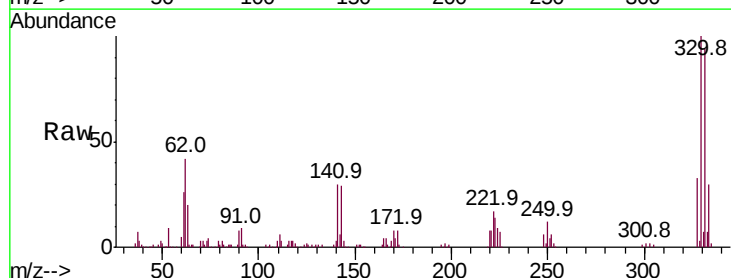


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

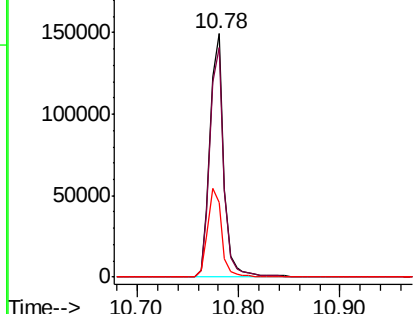
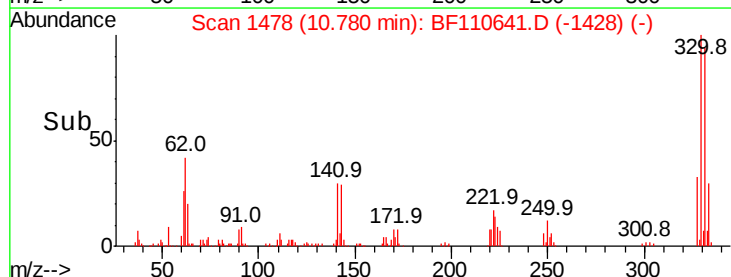


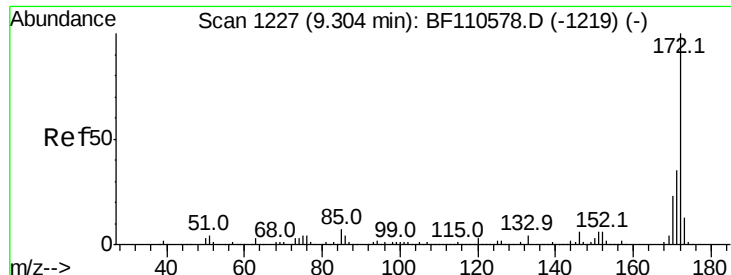
#42
2,4,6-Tribromophenol
Concen: 81.545 ng
RT: 10.78 min Scan# 1478
Delta R.T. -0.01 min
Lab File: BF110641.D
Acq: 9 Nov 2018 21:36

Tgt Ion:330 Resp: 142653
Ion Ratio Lower Upper
330 100
332 95.8 77.1 115.7
141 37.0 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

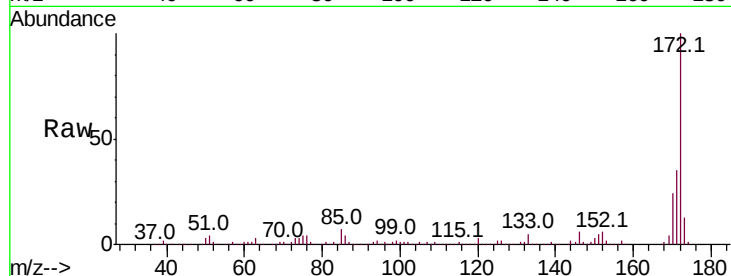




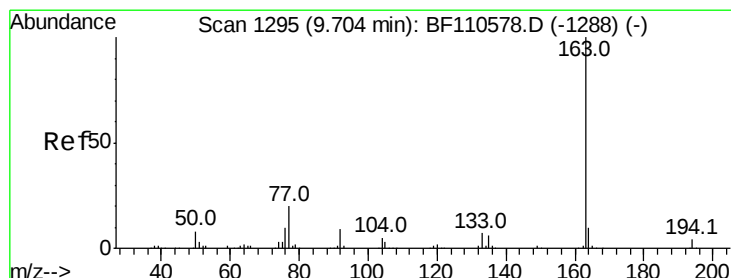
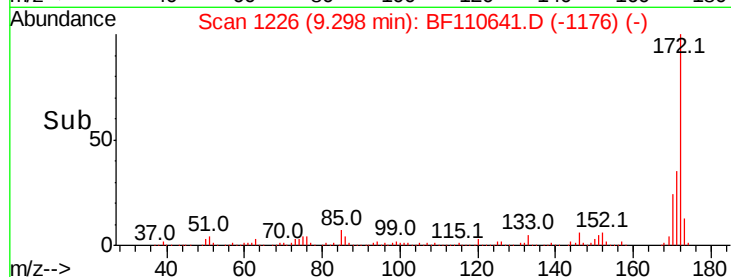
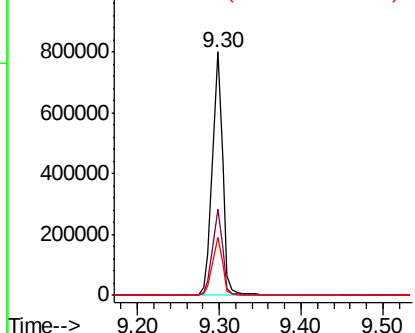
#45
2-Fluorobiphenyl
Concen: 58.196 ng
RT: 9.30 min Scan# 1226
Delta R.T. -0.01 min
Lab File: BF110641.D
Acq: 9 Nov 2018 21:36

Instrument :
BNA_F
ClientSampled :

Tot Ion:172 Resp: 707442
Ion Ratio Lower Upper
172 100
171 35.3 28.6 43.0
170 23.8 19.7 29.5

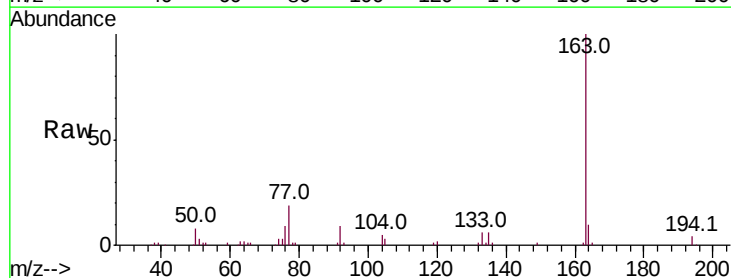


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

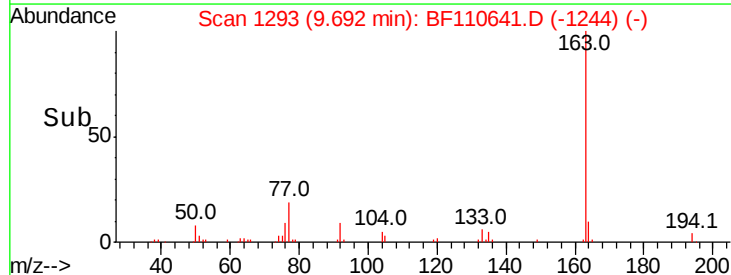
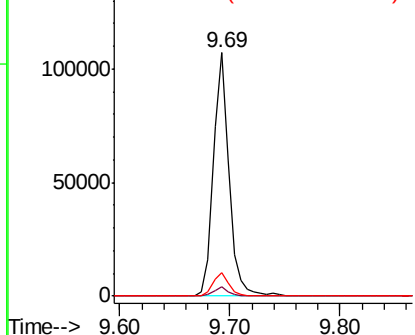


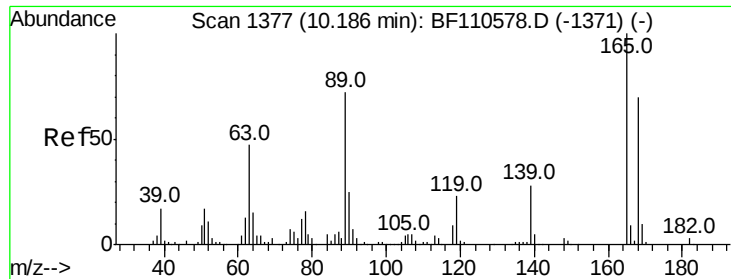
#50
Dimethylphthalate
Concen: 8.054 ng
RT: 9.69 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BF110641.D
Acq: 9 Nov 2018 21:36

Tgt Ion:163 Resp: 104336
Ion Ratio Lower Upper
163 100
194 3.8 3.2 4.8
164 9.8 8.1 12.1



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

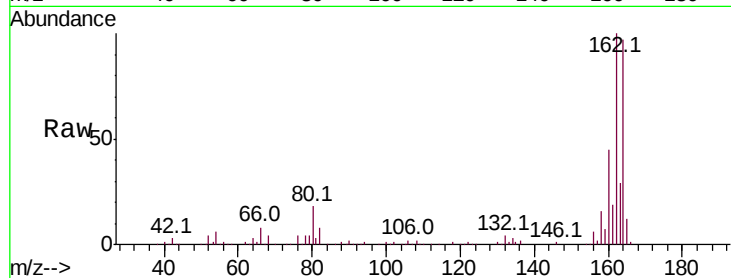




#57
 2,4-Dinitrotoluene
 Concen: 5.859 ng
 RT: 9.99 min Scan# 1343
 Delta R.T. -0.20 min
 Lab File: BF110641.D
 Acq: 9 Nov 2018 21:36

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.8	44.8	67.2#
89	1.4	62.2	93.4#
182	0.0	2.1	3.1#



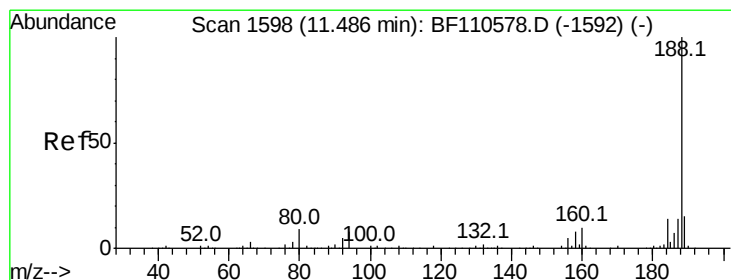
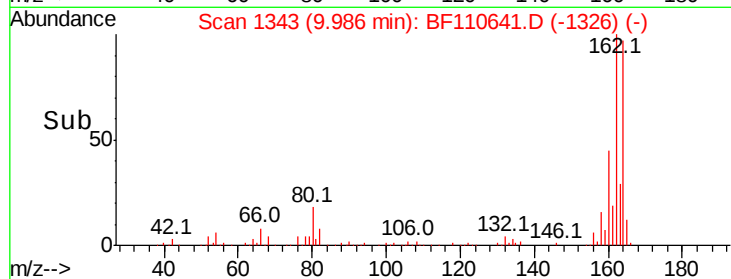
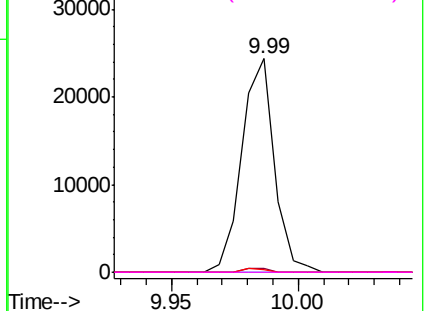
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

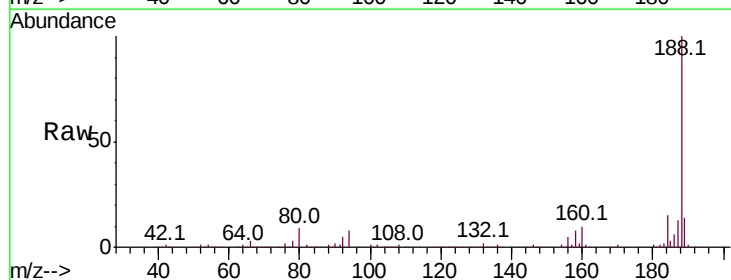
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.48 min Scan# 1597
 Delta R.T. -0.01 min
 Lab File: BF110641.D
 Acq: 9 Nov 2018 21:36

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.0	7.2	10.8
80	8.7	7.9	11.9

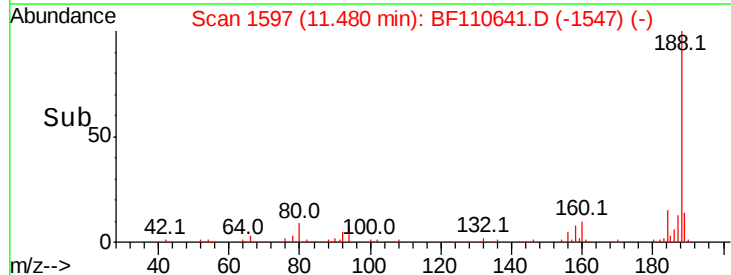
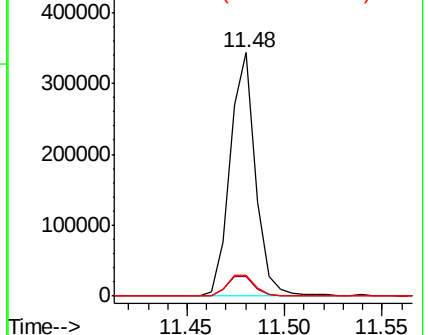


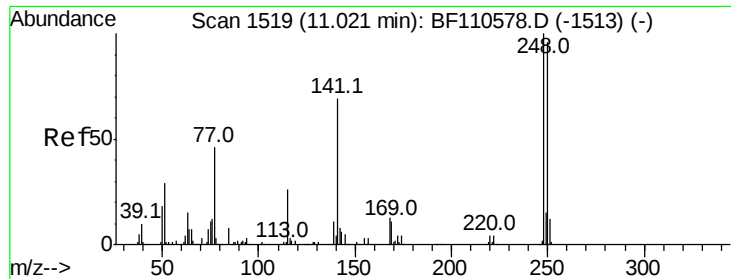
Abundance

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

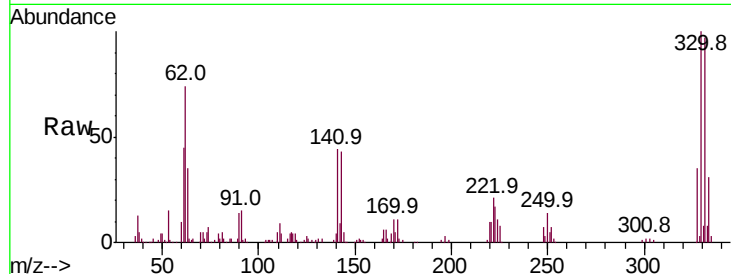




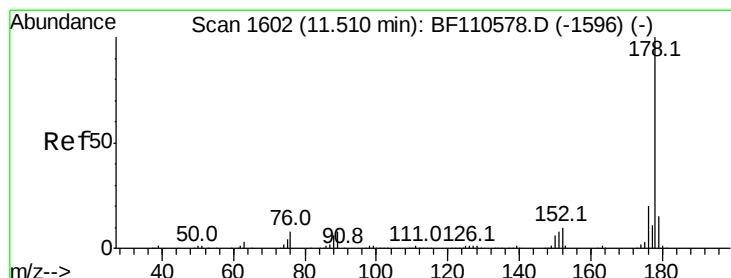
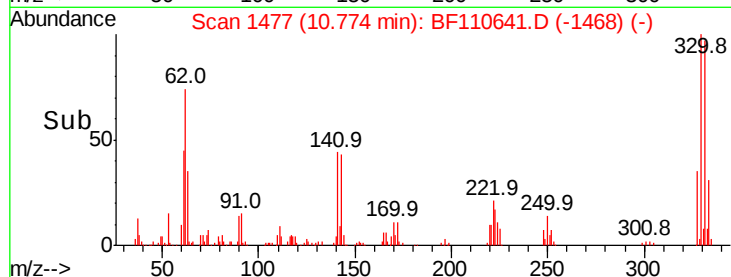
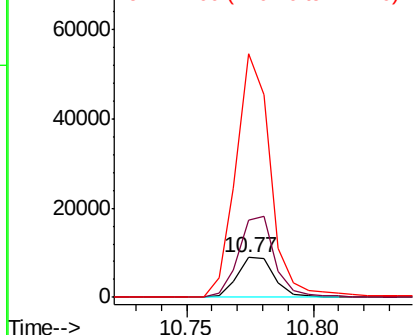
#67
 4-Bromophenyl-phenylether
 Concen: 2.689 ng
 RT: 10.77 min Scan# 1477
 Delta R.T. -0.25 min
 Lab File: BF110641.D
 Acq: 9 Nov 2018 21:36

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 9202
 Ion Ratio Lower Upper
 248 100
 250 196.2 79.4 119.2#
 141 614.3 55.9 83.9#

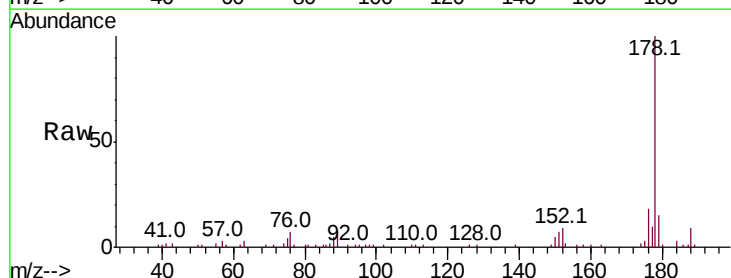


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

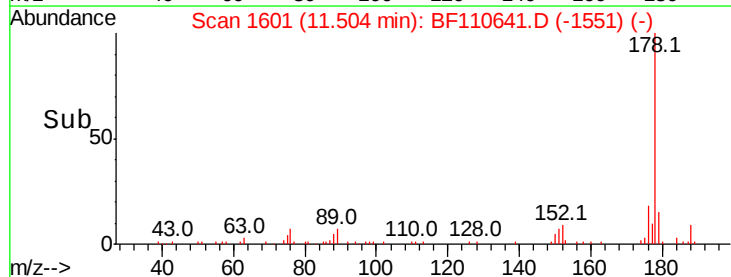
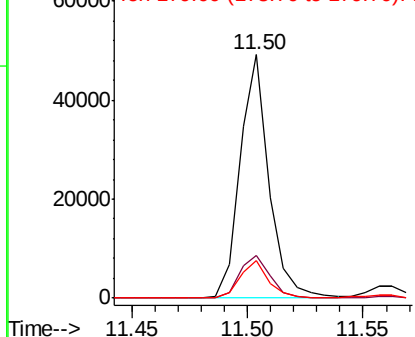


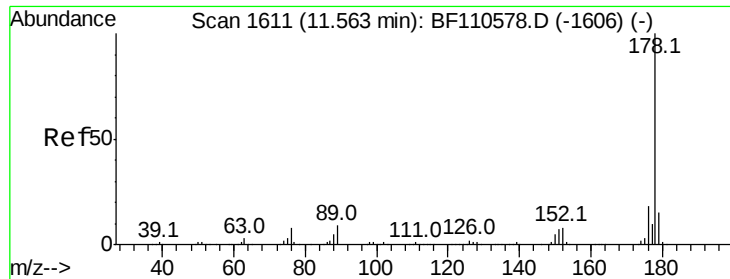
#71
 Phenanthrene
 Concen: 2.593 ng
 RT: 11.50 min Scan# 1601
 Delta R.T. -0.01 min
 Lab File: BF110641.D
 Acq: 9 Nov 2018 21:36

Tgt Ion:178 Resp: 43008
 Ion Ratio Lower Upper
 178 100
 176 17.6 15.5 23.3
 179 15.2 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: 2.571 ng

RT: 11.50 min Scan# 1601

Delta R.T. -0.06 min

Lab File: BF110641.D

Acq: 9 Nov 2018 21:36

Instrument :

BNA_F

ClientSampleId :

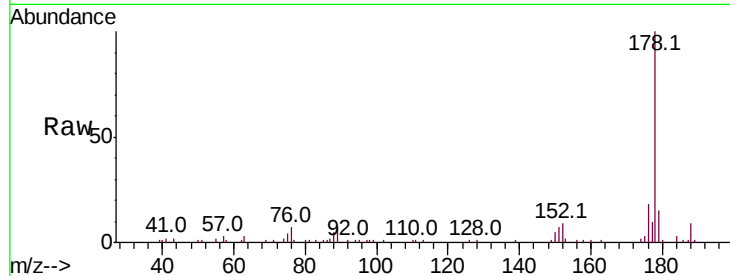
Tot Ion:178 Resp: 43008

Ion	Ratio	Lower	Upper
178	100		
176	17.6	15.4	23.2
179	15.2	12.6	18.8

178 100

176 17.6 15.4 23.2

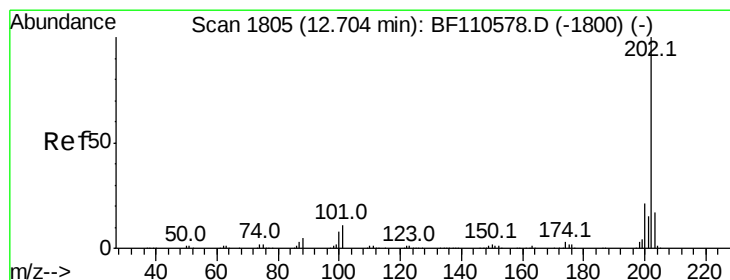
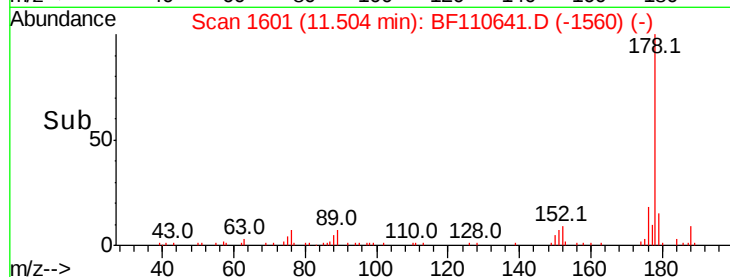
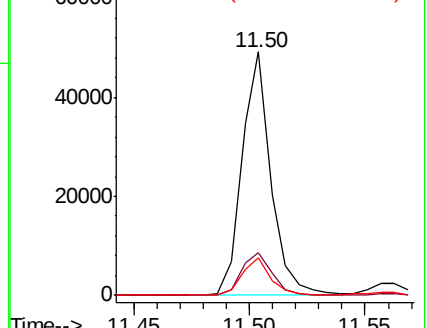
179 15.2 12.6 18.8



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: 4.902 ng

RT: 12.70 min Scan# 1804

Delta R.T. -0.01 min

Lab File: BF110641.D

Acq: 9 Nov 2018 21:36

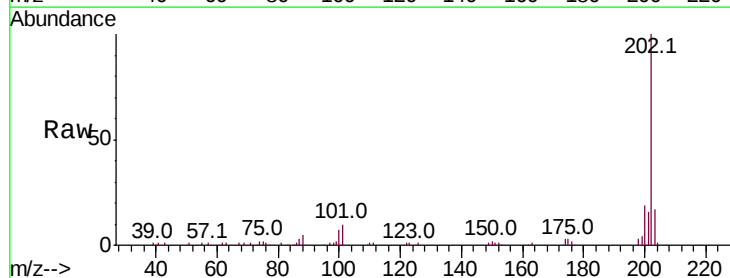
Tgt Ion:202 Resp: 81513

Ion	Ratio	Lower	Upper
202	100		
101	9.7	0.0	31.4
203	17.5	0.0	37.7

202 100

101 9.7 0.0 31.4

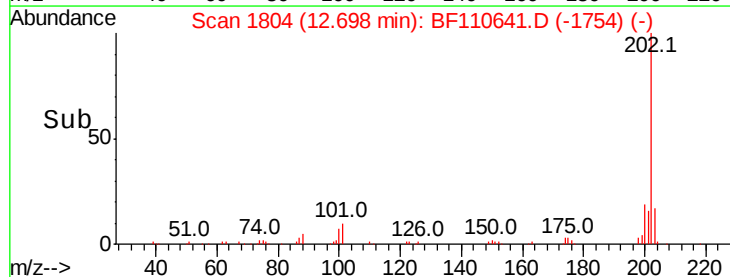
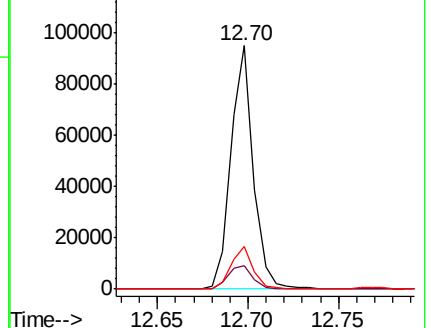
203 17.5 0.0 37.7

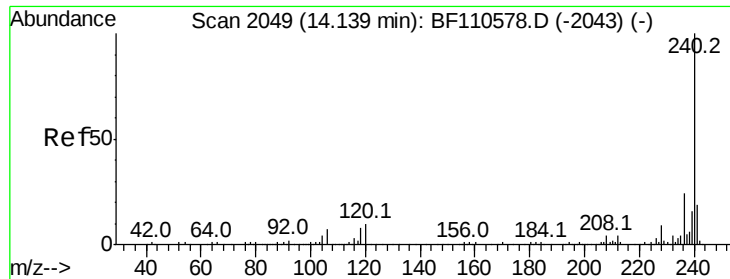


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

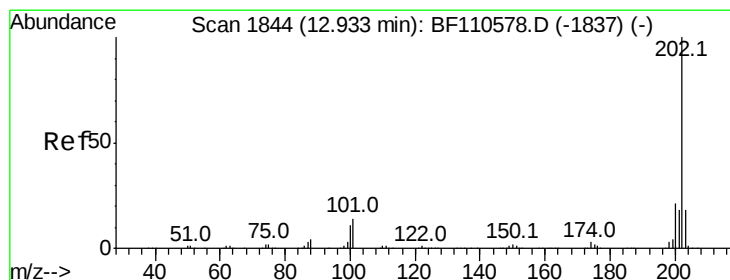
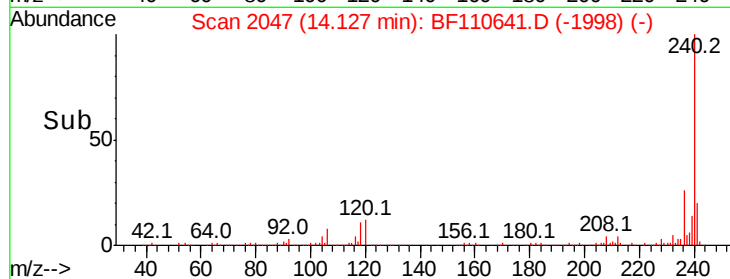
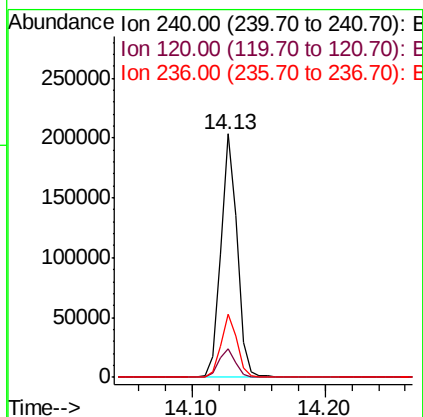
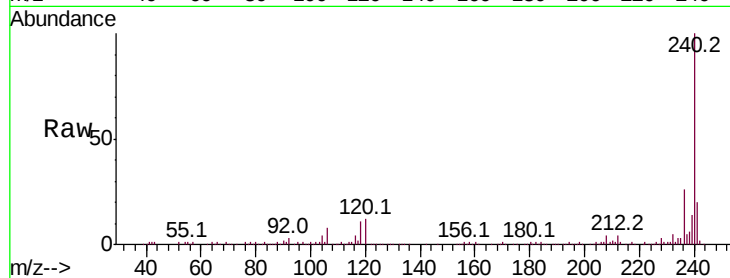




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.13 min Scan# 2047
Delta R.T. -0.01 min
Lab File: BF110641.D
Acq: 9 Nov 2018 21:36

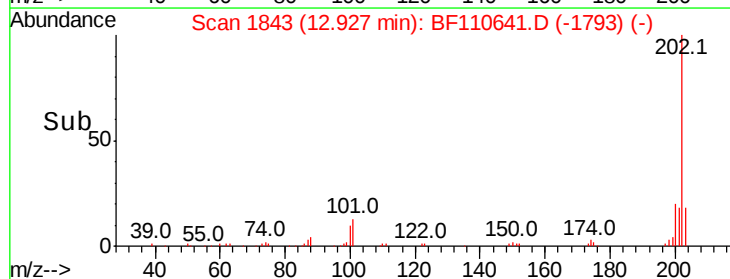
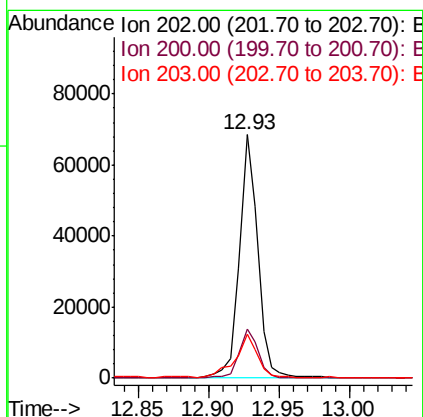
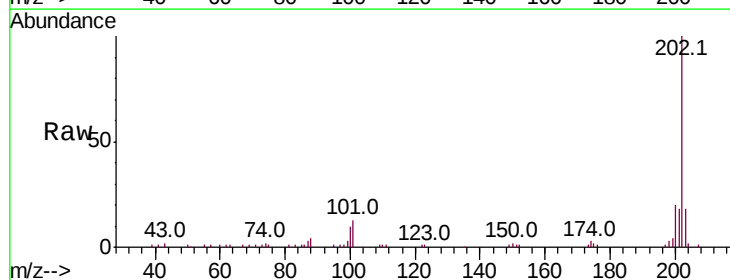
Instrument :
BNA_F
ClientSampleId :

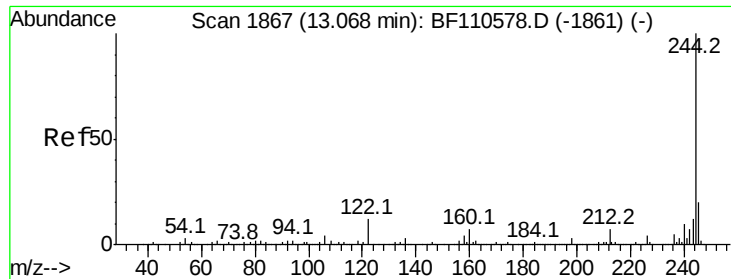
Tot Ion:240 Resp: 176575
Ion Ratio Lower Upper
240 100
120 11.5 8.3 12.5
236 26.1 21.2 31.8



#78
Pyrene
Concen: 4.580 ng
RT: 12.93 min Scan# 1843
Delta R.T. -0.01 min
Lab File: BF110641.D
Acq: 9 Nov 2018 21:36

Tgt Ion:202 Resp: 62273
Ion Ratio Lower Upper
202 100
200 20.4 17.8 26.6
203 18.3 14.2 21.4

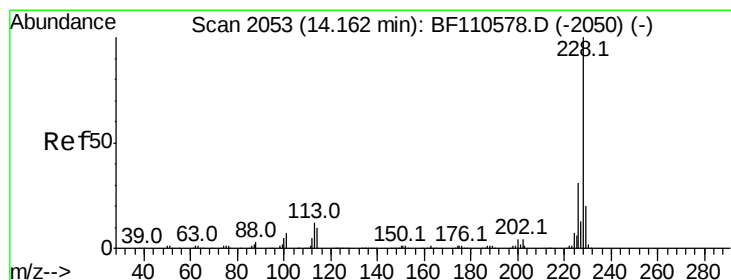
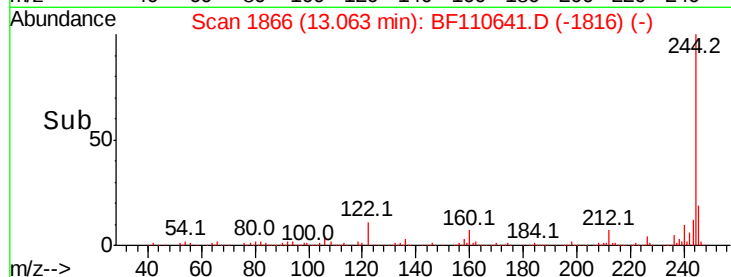
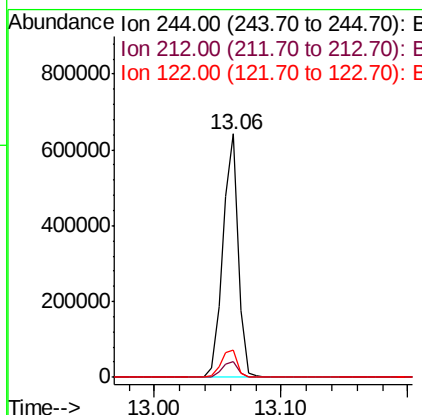
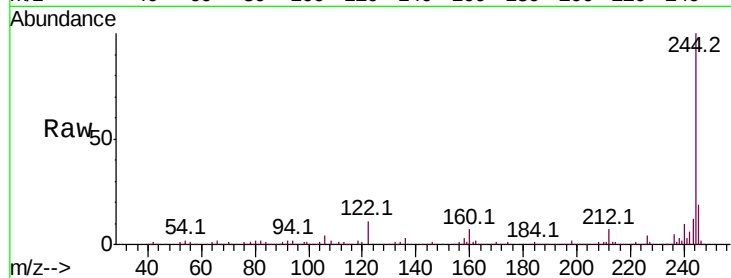




#79
 Terphenyl-d14
 Concen: 57.168 ng
 RT: 13.06 min Scan# 1866
 Delta R.T. -0.01 min
 Lab File: BF110641.D
 Acq: 9 Nov 2018 21:36

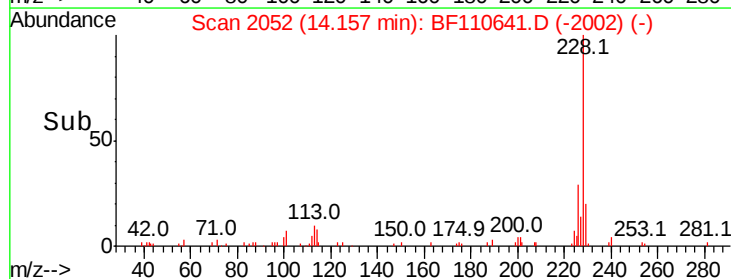
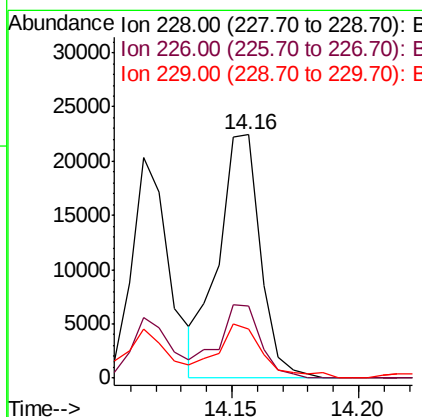
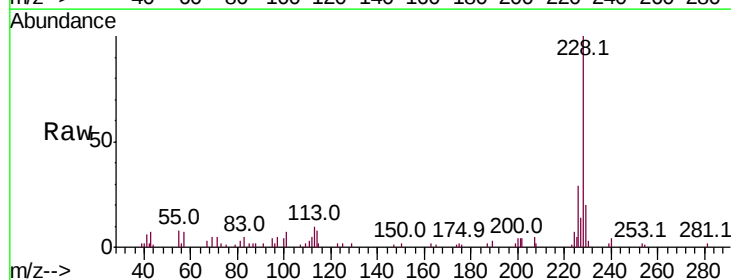
Instrument :
 BNA_F
 ClientSampleId :

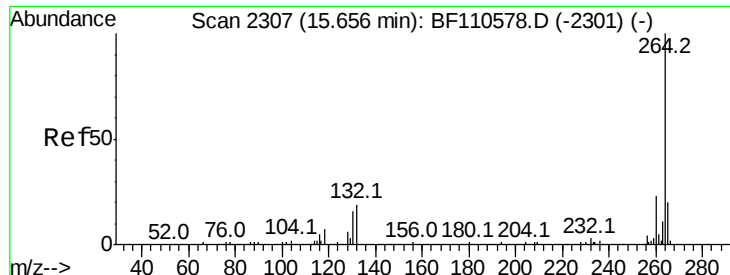
Tot Ion:244 Resp: 539009
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.8 8.8
 122 11.0 8.7 13.1



#83
 Chrysene
 Concen: 2.584 ng
 RT: 14.16 min Scan# 2052
 Delta R.T. -0.01 min
 Lab File: BF110641.D
 Acq: 9 Nov 2018 21:36

Tgt Ion:228 Resp: 25985
 Ion Ratio Lower Upper
 228 100
 226 29.4 24.7 37.1
 229 20.0 15.9 23.9



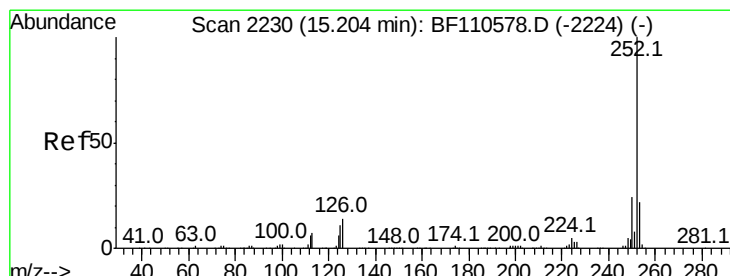
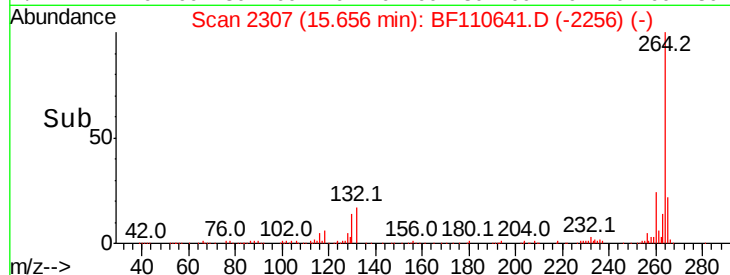
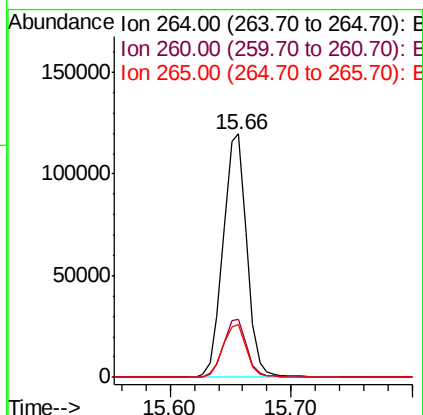
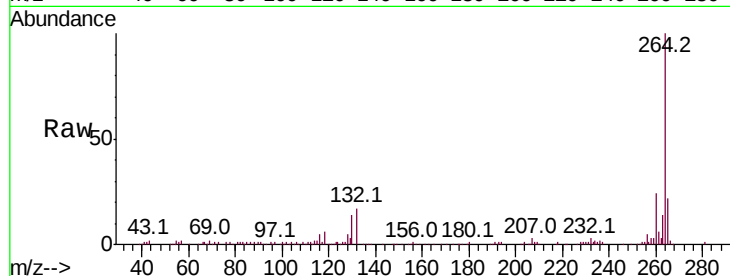


#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.66 min Scan# 2307
Delta R.T. 0.00 min
Lab File: BF110641.D
Acq: 9 Nov 2018 21:36

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 162832

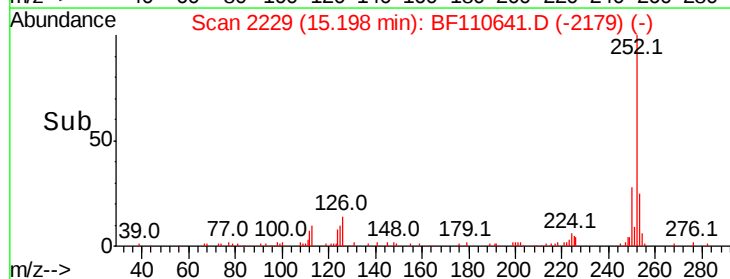
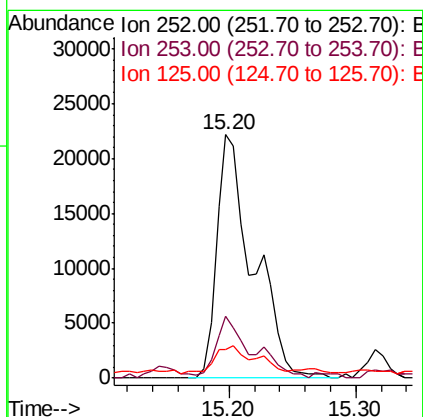
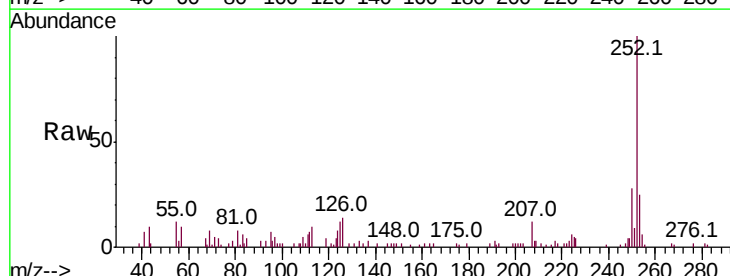
Ion	Ratio	Lower	Upper
264	100		
260	24.1	18.7	28.1
265	21.7	16.7	25.1

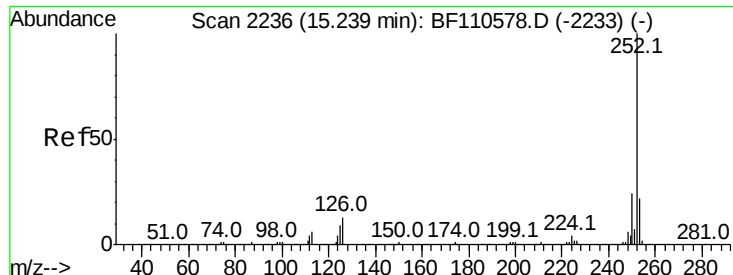


#88
Benzo(b)fluoranthene
Concen: 4.545 ng
RT: 15.20 min Scan# 2229
Delta R.T. -0.01 min
Lab File: BF110641.D
Acq: 9 Nov 2018 21:36

Tgt Ion:252 Resp: 44273

Ion	Ratio	Lower	Upper
252	100		
253	25.3	17.2	25.8
125	11.9	8.2	12.4

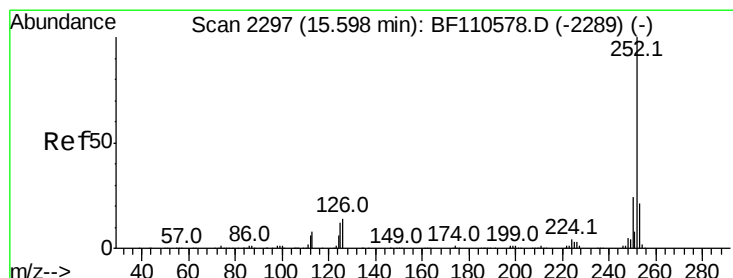
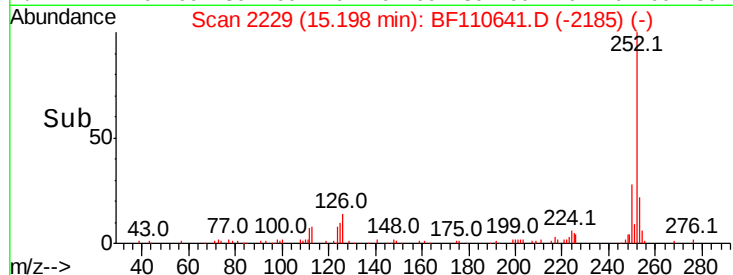
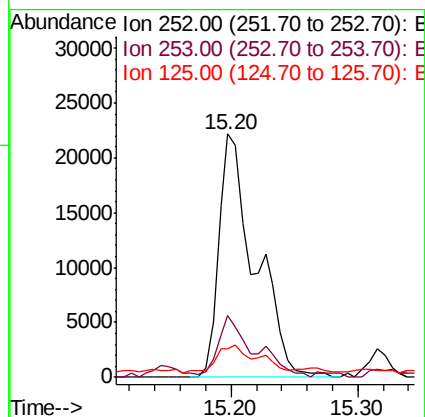
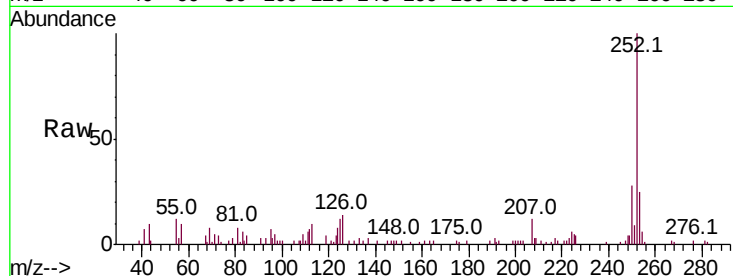




#89
Benzo(k)fluoranthene
Concen: 4.600 ng
RT: 15.20 min Scan# 2229
Delta R.T. -0.04 min
Lab File: BF110641.D
Acq: 9 Nov 2018 21:36

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 44273
Ion Ratio Lower Upper
252 100
253 25.3 17.2 25.8
125 11.9 7.4 11.0#



#90
Benzo(a)pyrene
Concen: 2.256 ng
RT: 15.59 min Scan# 2295
Delta R.T. -0.01 min
Lab File: BF110641.D
Acq: 9 Nov 2018 21:36

Tgt Ion:252 Resp: 19963
Ion Ratio Lower Upper
252 100
253 24.3 18.2 27.4
125 15.0 9.0 13.6#

