

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111318\
 Data File : BF110720.D
 Acq On : 13 Nov 2018 15:47
 Operator : JU/SJ
 Sample : J5908-03
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 13 16:43:19 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	76249	20.00	ng	0.00
21) Naphthalene-d8	8.22	136	306993	20.00	ng	0.00
39) Acenaphthene-d10	9.98	164	136355	20.00	ng	-0.01
64) Phenanthrene-d10	11.47	188	230157	20.00	ng	-0.01
76) Chrysene-d12	14.13	240	153982	20.00	ng	-0.01
87) Perylene-d12	15.65	264	163339	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.57	112	460968	98.20	ng	0.00
7) Phenol-d6	6.57	99	569874	94.93	ng	0.00
23) Nitrobenzene-d5	7.51	82	353331	66.28	ng	0.00
42) 2,4,6-Tribromophenol	10.77	330	111534	81.18	ng	-0.01
45) 2-Fluorobiphenyl	9.30	172	587647	61.55	ng	0.00
79) Terphenyl-d14	13.06	244	451680	54.93	ng	-0.01

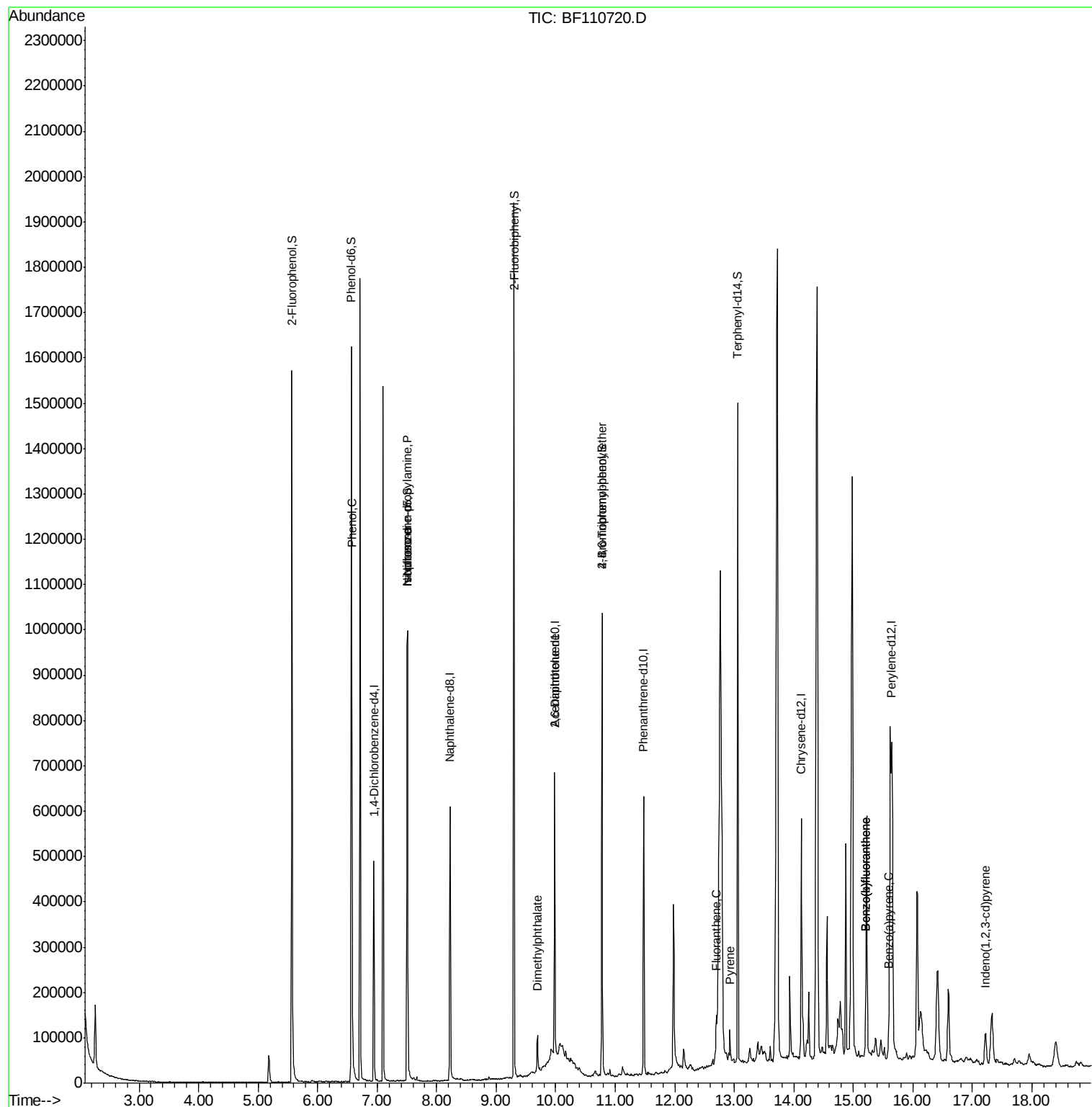
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.58	94	25707	3.693	ng	# 76
19) n-Nitroso-di-n-propylamine	7.51	70	47043	12.277	ng	# 81
25) Isophorone	7.51	82	353326	40.440	ng	# 67
50) Dimethylphthalate	9.69	163	32127	3.158	ng	99
51) 2,6-Dinitrotoluene	9.98	165	17568	7.849	ng	# 21
67) 4-Bromophenyl-phenylether	10.77	248	7243	2.847	ng	# 1
75) Fluoranthene	12.70	202	27169	2.198	ng	98
78) Pyrene	12.93	202	25049	2.113	ng	98
86) Indeno(1,2,3-cd)pyrene	17.23	276	13106	2.083	ng	97
88) Benzo(b)fluoranthene	15.20	252	34385	3.519	ng	# 92
89) Benzo(k)fluoranthene	15.20	252	34385	3.561	ng	# 91
90) Benzo(a)pyrene	15.59	252	19027	2.143	ng	# 93

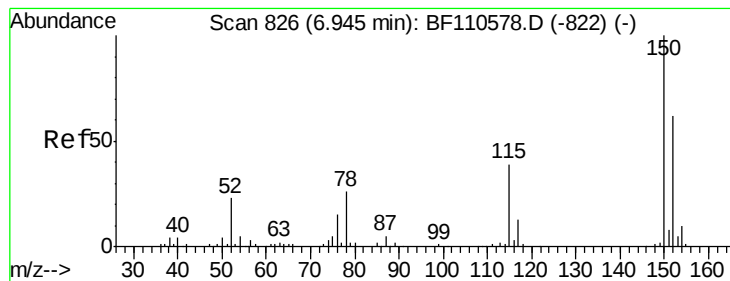
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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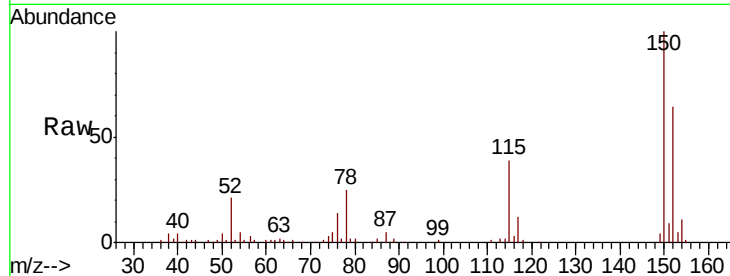


#1

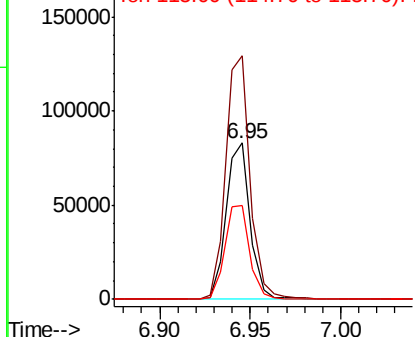
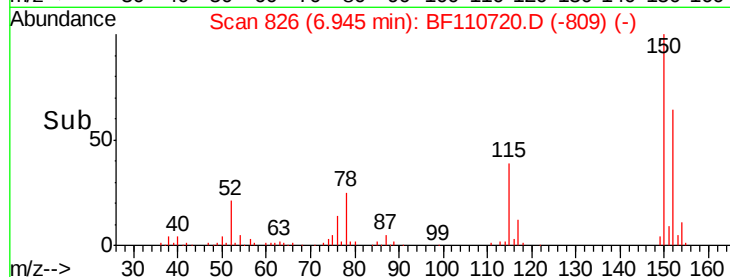
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 826
Delta R.T. 0.00 min
Lab File: BF110720.D
Acq: 13 Nov 2018 15:47

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 76249
Ion Ratio Lower Upper
152 100
150 155.6 122.7 184.1
115 60.0 49.1 73.7



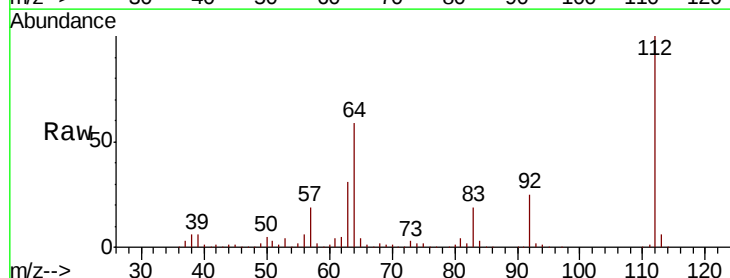
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



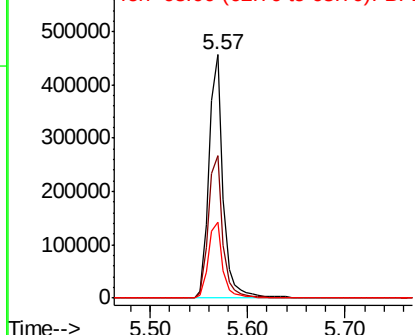
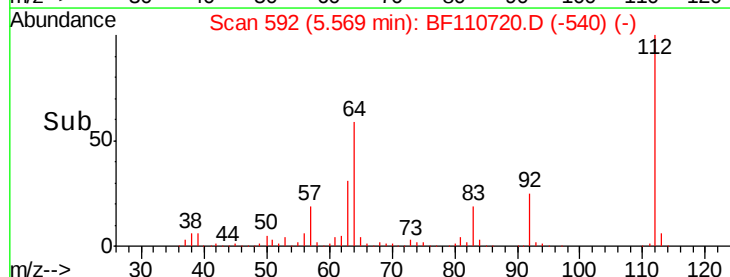
#5

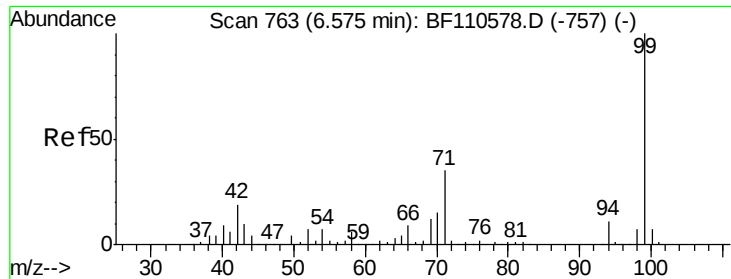
2-Fluorophenol
Concen: 98.199 ng
RT: 5.57 min Scan# 592
Delta R.T. 0.01 min
Lab File: BF110720.D
Acq: 13 Nov 2018 15:47

Tgt Ion:112 Resp: 460968
Ion Ratio Lower Upper
112 100
64 58.6 44.1 66.1
63 31.2 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: 94.935 ng

RT: 6.57 min Scan# 762

Delta R.T. -0.01 min

Lab File: BF110720.D

Acq: 13 Nov 2018 15:47

Instrument :

BNA_F

ClientSampleId :

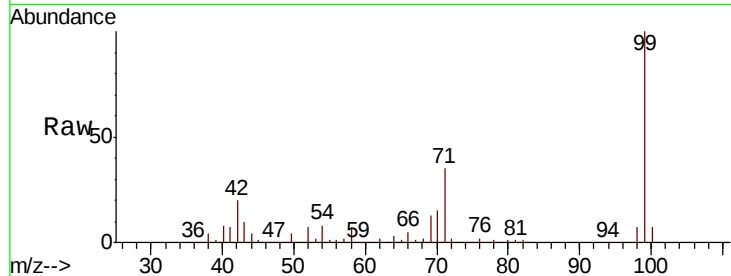
Tot Ion: 99 Resp: 569874

Ion Ratio Lower Upper

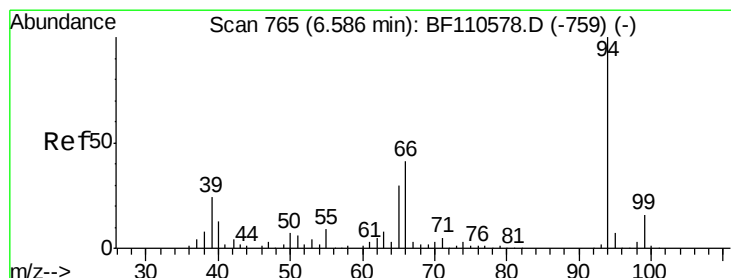
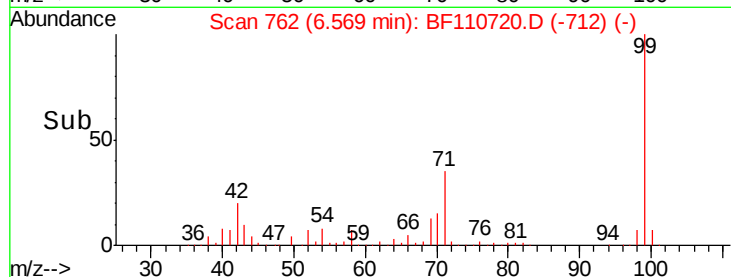
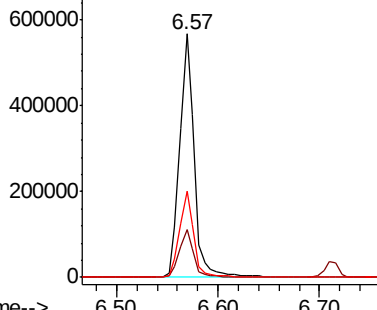
99 100

42 19.5 15.8 23.6

71 35.3 28.0 42.0



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



#10

Phenol

Concen: 3.693 ng

RT: 6.58 min Scan# 764

Delta R.T. -0.01 min

Lab File: BF110720.D

Acq: 13 Nov 2018 15:47

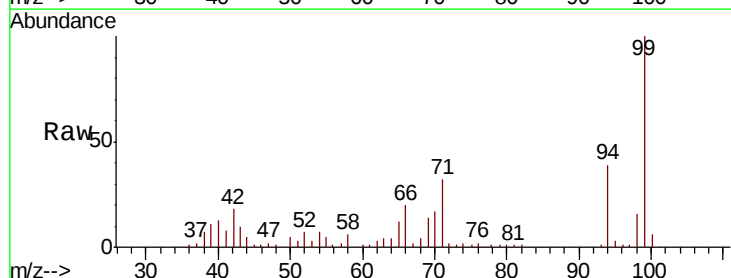
Tgt Ion: 94 Resp: 25707

Ion Ratio Lower Upper

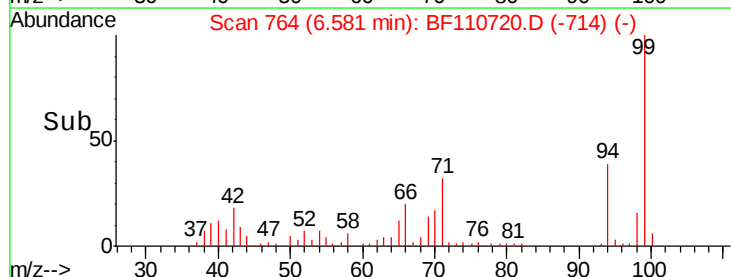
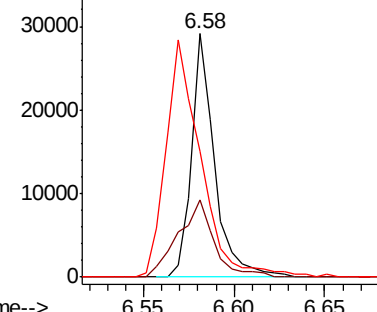
94 100

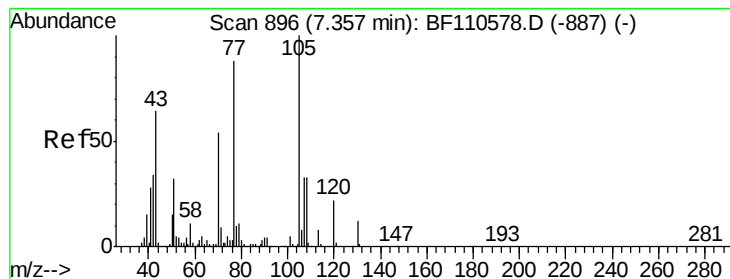
65 31.9 25.3 65.3

66 51.7 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: 12.277 ng

RT: 7.51 min Scan# 922

Delta R.T. 0.15 min

Lab File: BF110720.D

Acq: 13 Nov 2018 15:47

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 47043

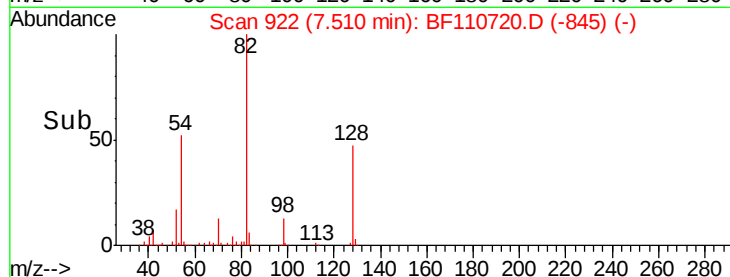
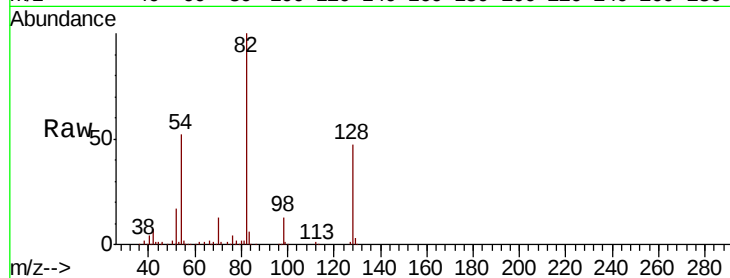
Ion Ratio Lower Upper

70 100

42 50.6 47.4 71.2

101 0.0 7.3 10.9#

130 2.7 16.2 24.2#

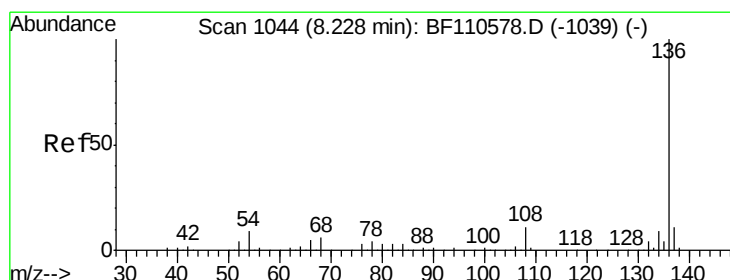
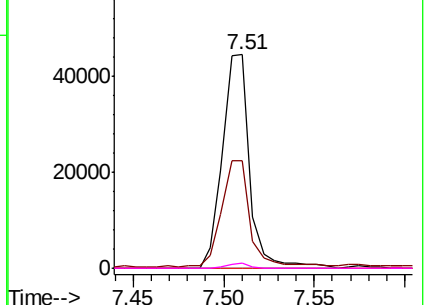


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.22 min Scan# 1043

Delta R.T. -0.01 min

Lab File: BF110720.D

Acq: 13 Nov 2018 15:47

Tgt Ion:136 Resp: 306993

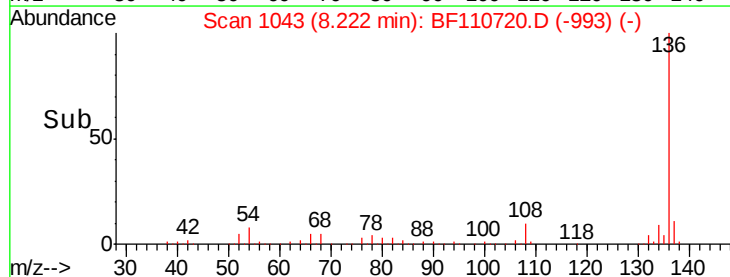
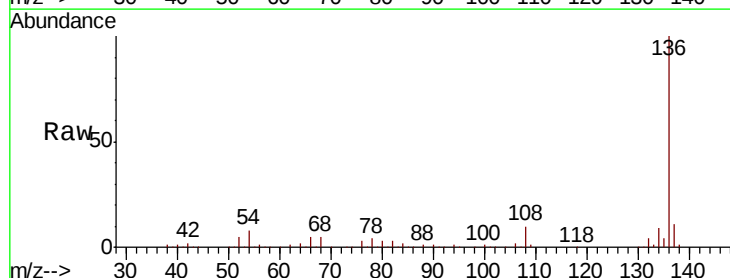
Ion Ratio Lower Upper

136 100

137 10.7 8.8 13.2

54 8.2 5.4 8.2#

68 5.3 4.2 6.2

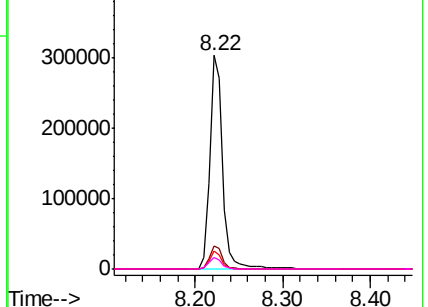


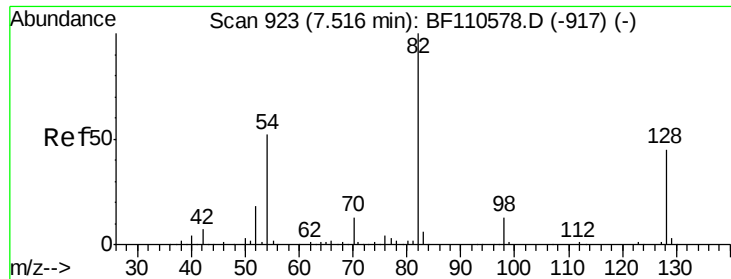
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1

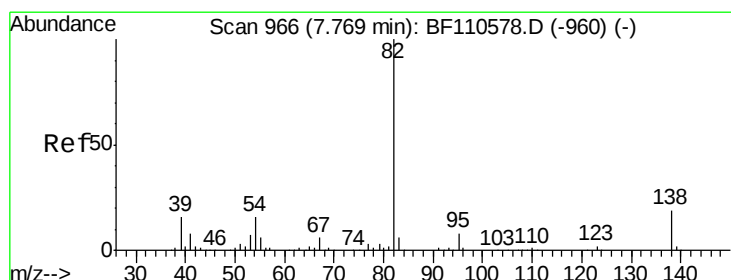
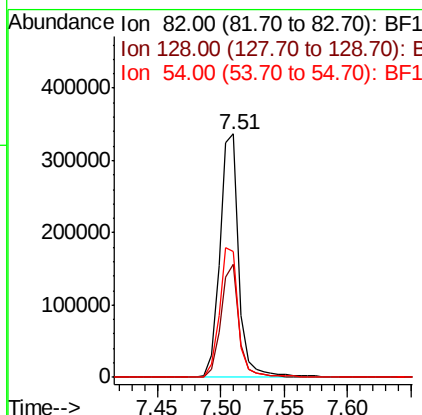
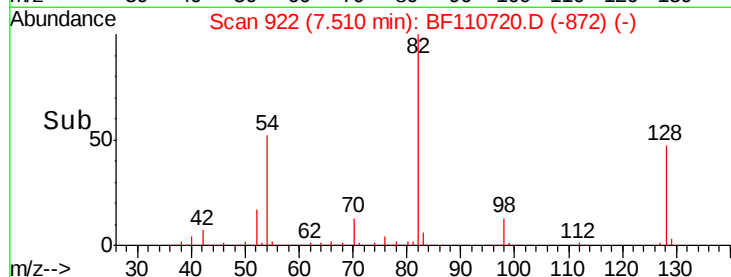
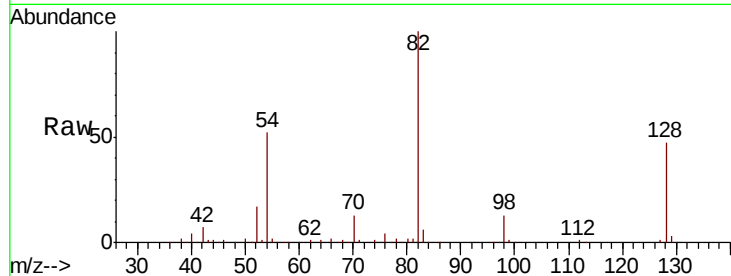




#23
 Nitrobenzene-d5
 Concen: 66.282 ng
 RT: 7.51 min Scan# 922
 Delta R.T. -0.01 min
 Lab File: BF110720.D
 Acq: 13 Nov 2018 15:47

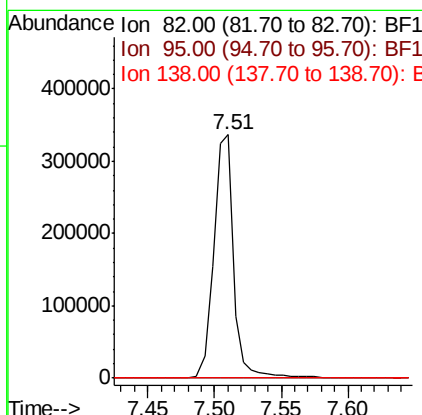
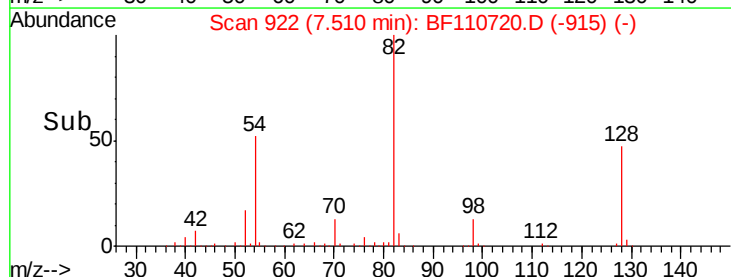
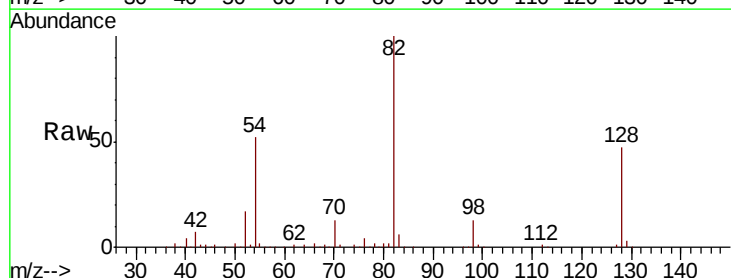
Instrument :
 BNA_F
 ClientSampled :

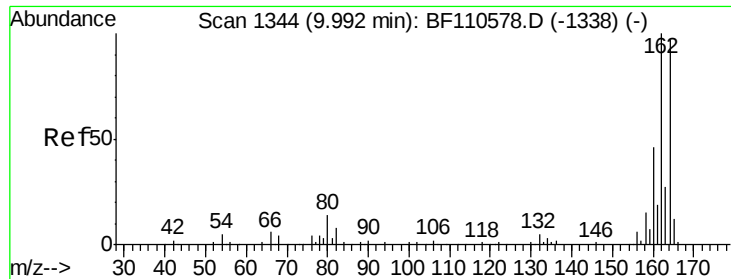
Tot Ion: 82 Resp: 353331
 Ion Ratio Lower Upper
 82 100
 128 46.6 34.2 51.2
 54 51.8 38.6 58.0



#25
 Isophorone
 Concen: 40.440 ng
 RT: 7.51 min Scan# 922
 Delta R.T. -0.26 min
 Lab File: BF110720.D
 Acq: 13 Nov 2018 15:47

Tgt Ion: 82 Resp: 353326
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.7 8.5#
 138 0.0 13.2 19.8#

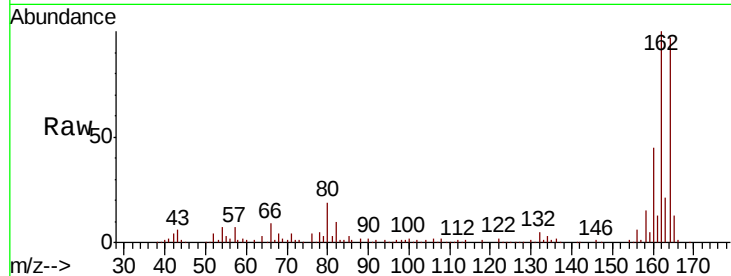




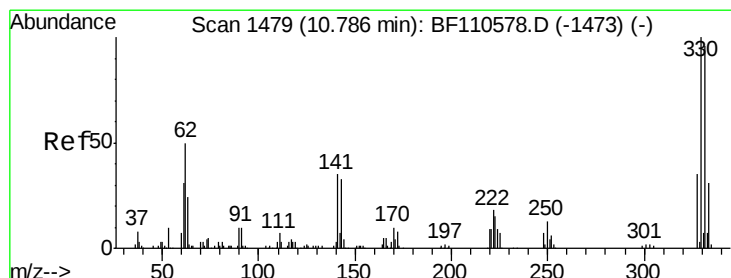
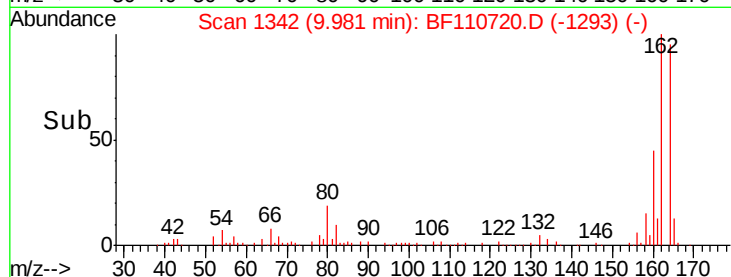
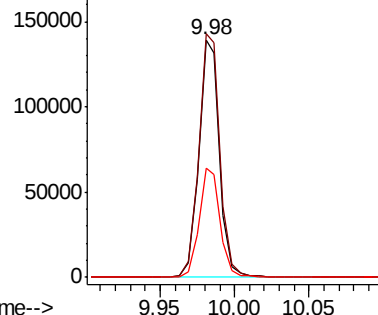
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.98 min Scan# 1342
Delta R.T. -0.01 min
Lab File: BF110720.D
Acq: 13 Nov 2018 15:47

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 136355
Ion Ratio Lower Upper
164 100
162 102.6 83.0 124.6
160 45.9 37.0 55.6

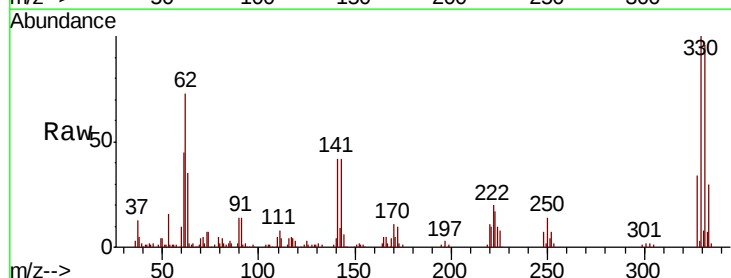


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

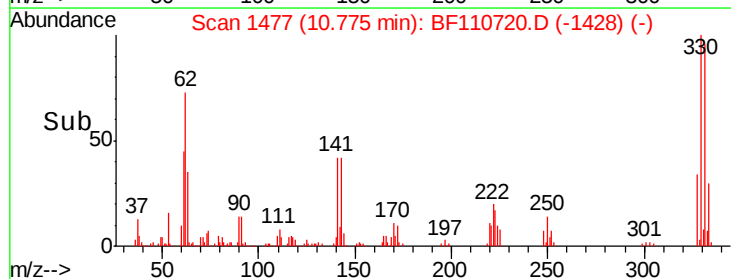
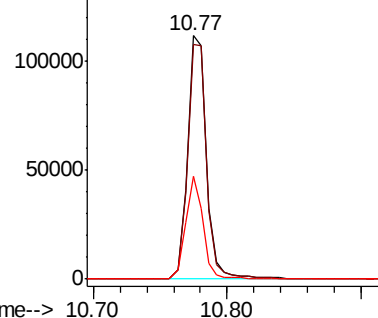


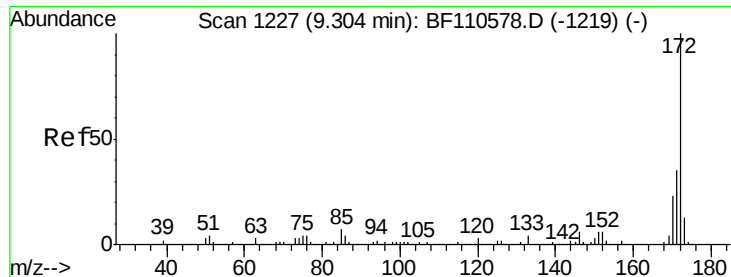
#42
2,4,6-Tribromophenol
Concen: 81.178 ng
RT: 10.77 min Scan# 1477
Delta R.T. -0.01 min
Lab File: BF110720.D
Acq: 13 Nov 2018 15:47

Tgt Ion:330 Resp: 111534
Ion Ratio Lower Upper
330 100
332 97.0 77.1 115.7
141 38.9 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

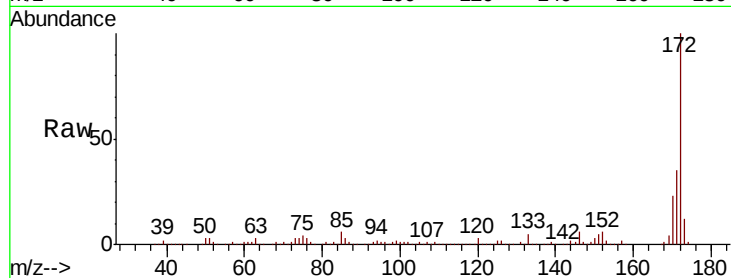




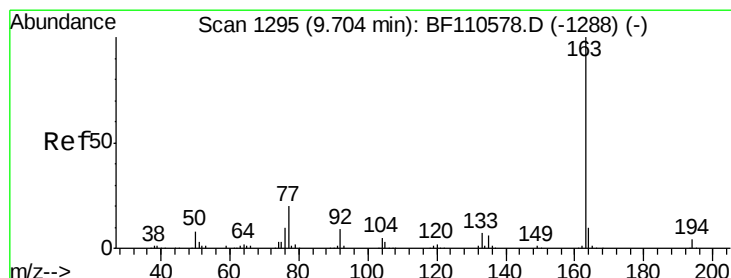
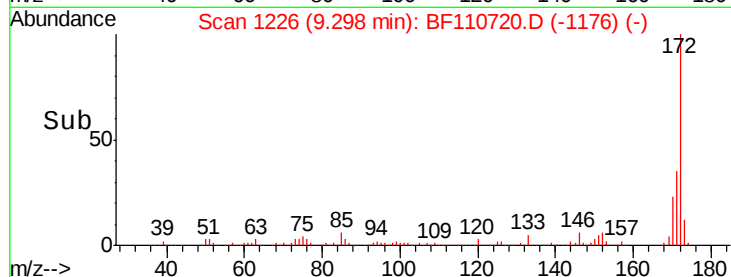
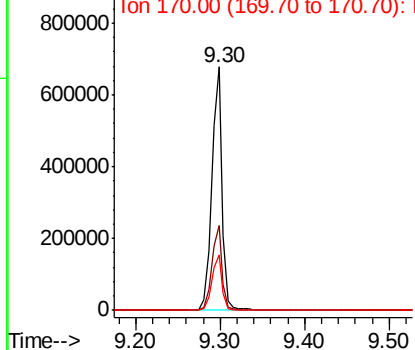
#45
2-Fluorobiphenyl
Concen: 61.550 ng
RT: 9.30 min Scan# 1226
Delta R.T. -0.01 min
Lab File: BF110720.D
Acq: 13 Nov 2018 15:47

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.6	43.0
170	23.0	19.7	29.5

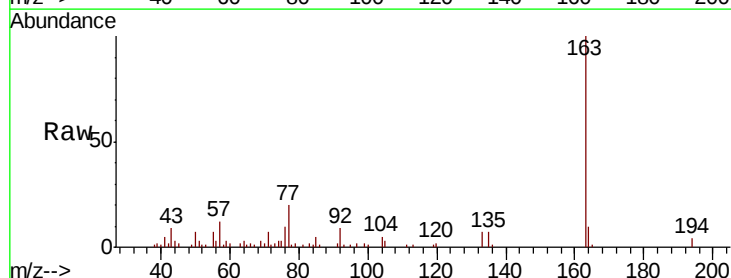


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

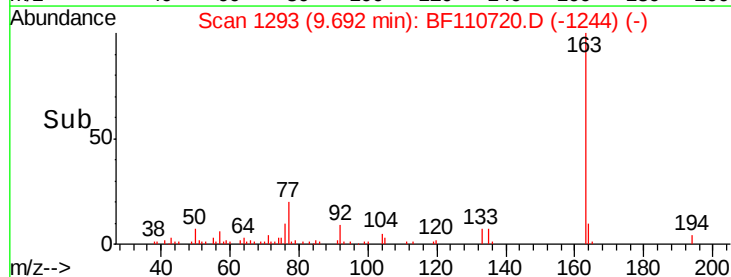
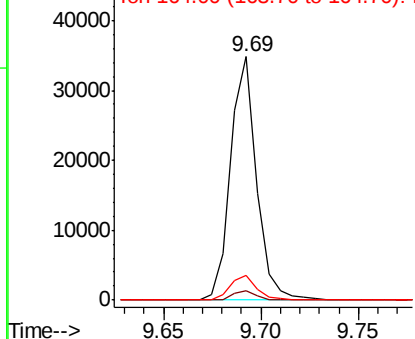


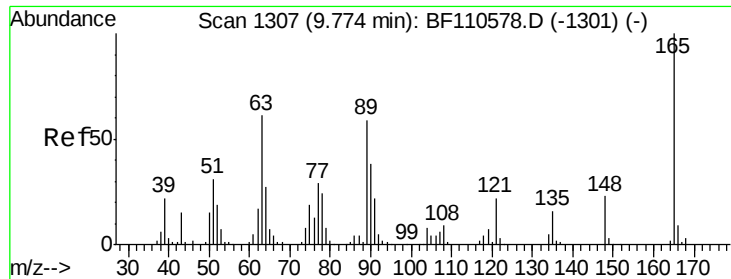
#50
Dimethylphthalate
Concen: 3.158 ng
RT: 9.69 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BF110720.D
Acq: 13 Nov 2018 15:47

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.7	3.2	4.8
164	10.0	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

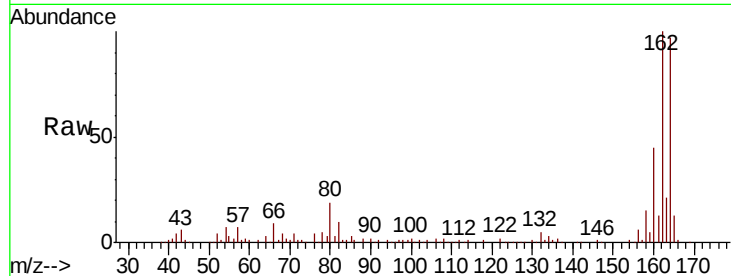




#51
 2,6-Dinitrotoluene
 Concen: 7.849 ng
 RT: 9.98 min Scan# 1342
 Delta R.T. 0.21 min
 Lab File: BF110720.D
 Acq: 13 Nov 2018 15:47

Instrument :
 BNA_F
 ClientSampleId :

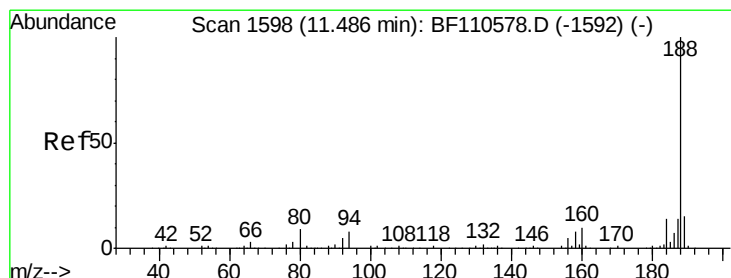
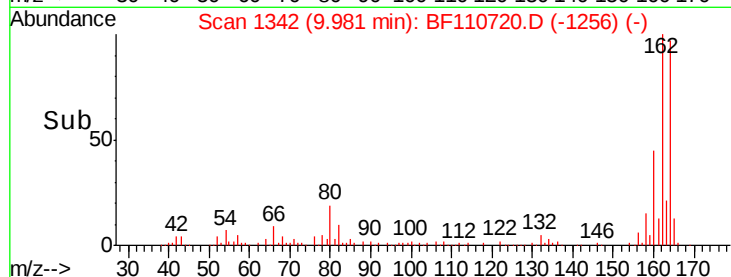
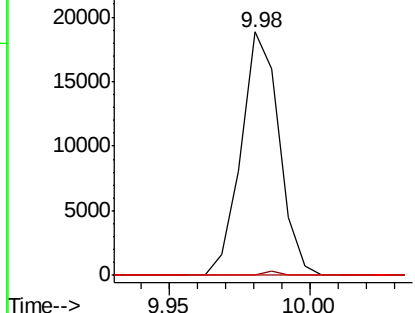
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	48.9	73.3#
89	0.0	46.6	69.8#



Abundance Ion 165.00 (164.70 to 165.70): E

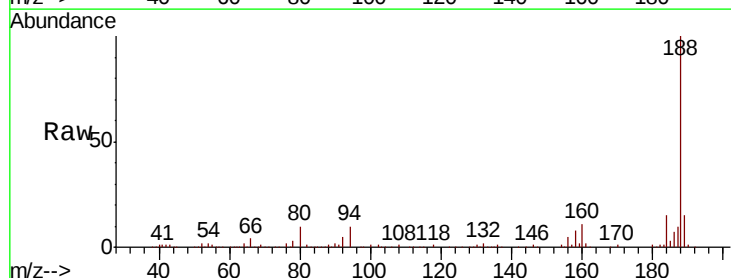
Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.47 min Scan# 1596
 Delta R.T. -0.01 min
 Lab File: BF110720.D
 Acq: 13 Nov 2018 15:47

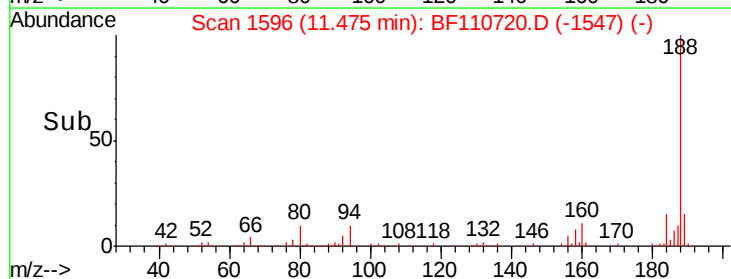
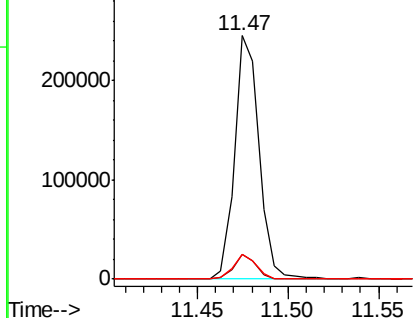
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.9	7.2	10.8
80	10.2	7.9	11.9

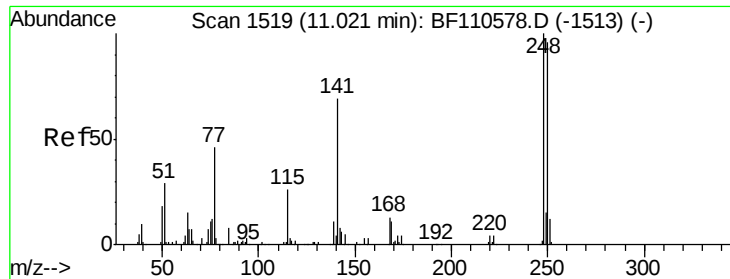


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#67

4-Bromophenyl-phenylether

Concen: 2.847 ng

RT: 10.77 min Scan# 1477

Delta R.T. -0.25 min

Lab File: BF110720.D

Acq: 13 Nov 2018 15:47

Instrument :

BNA_F

ClientSampleId :

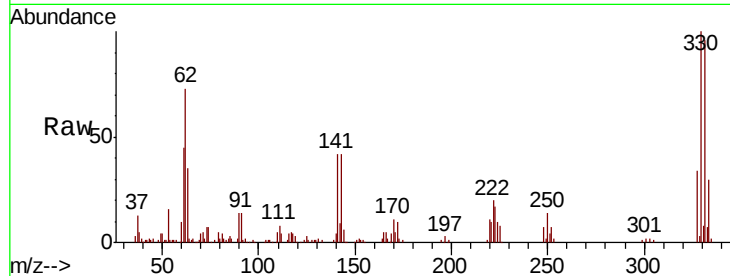
Tot Ion:248 Resp: 7243

Ion Ratio Lower Upper

248 100

250 198.3 79.4 119.2#

141 609.9 55.9 83.9#

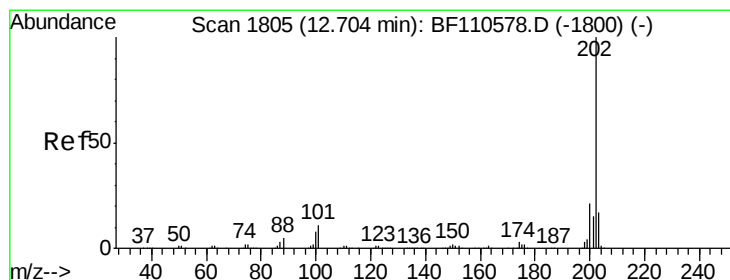
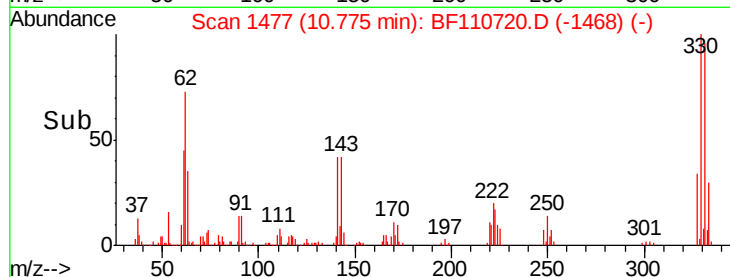
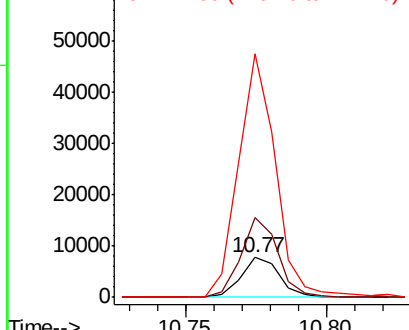


Abundance

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



#75

Fluoranthene

Concen: 2.198 ng

RT: 12.70 min Scan# 1804

Delta R.T. -0.01 min

Lab File: BF110720.D

Acq: 13 Nov 2018 15:47

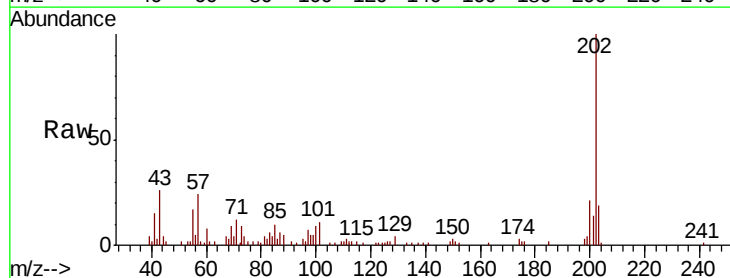
Tgt Ion:202 Resp: 27169

Ion Ratio Lower Upper

202 100

101 11.2 0.0 31.4

203 18.8 0.0 37.7

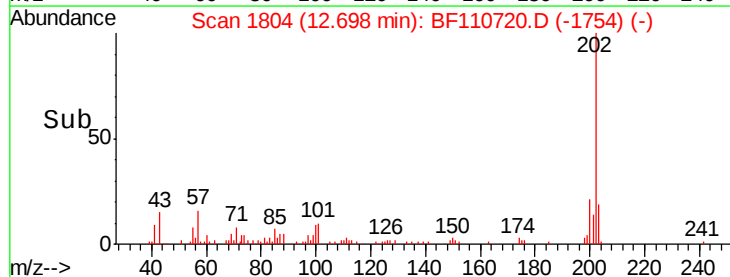
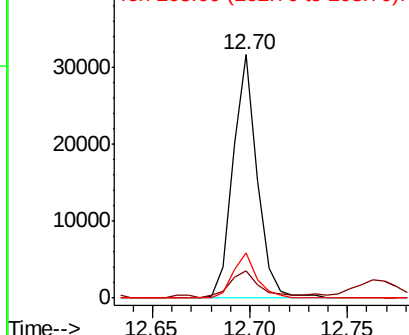


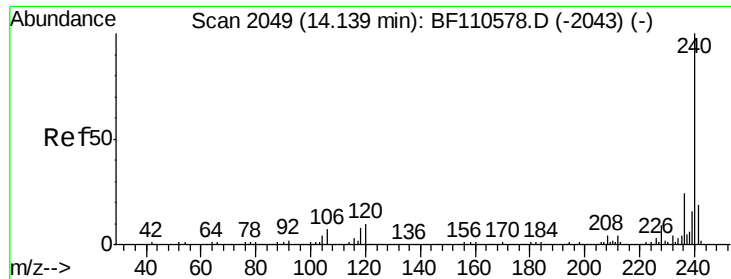
Abundance

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

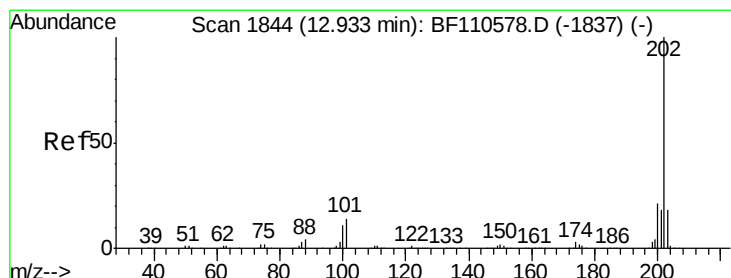
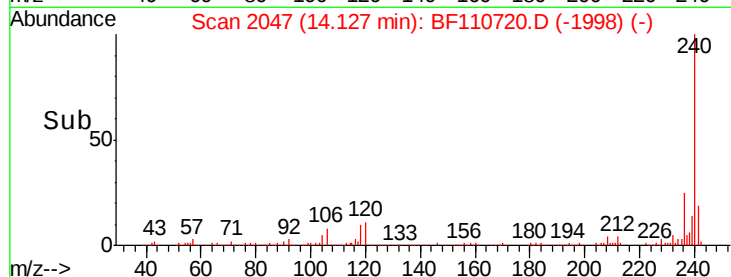
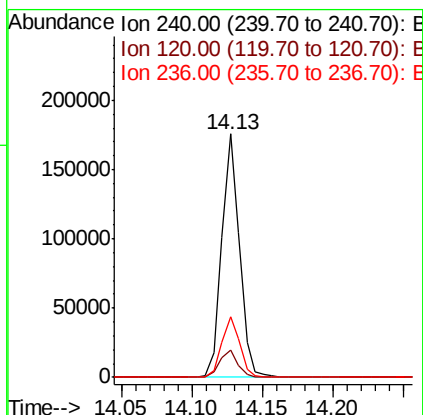
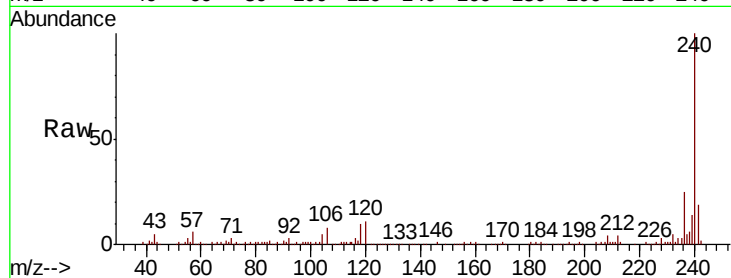




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.13 min Scan# 2047
Delta R.T. -0.01 min
Lab File: BF110720.D
Acq: 13 Nov 2018 15:47

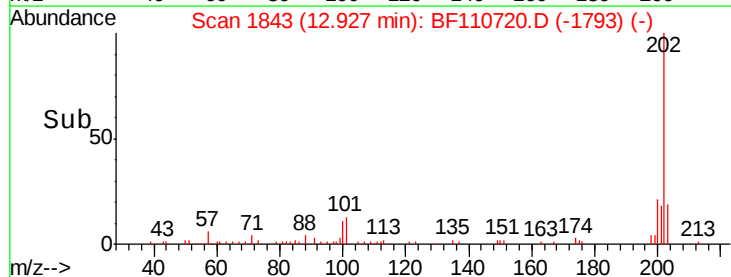
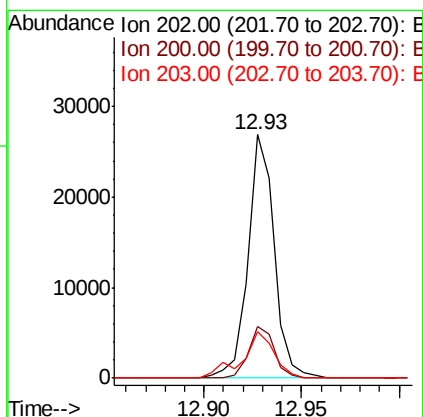
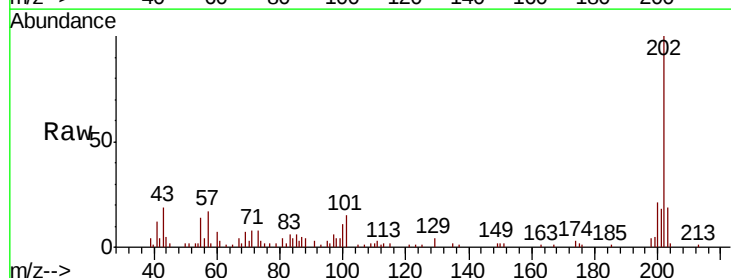
Instrument :
BNA_F
ClientSampleId :

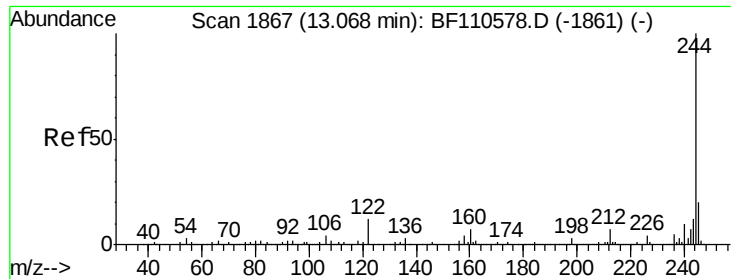
Tot Ion:240 Resp: 153982
Ion Ratio Lower Upper
240 100
120 11.4 8.3 12.5
236 24.7 21.2 31.8



#78
Pyrene
Concen: 2.113 ng
RT: 12.93 min Scan# 1843
Delta R.T. -0.01 min
Lab File: BF110720.D
Acq: 13 Nov 2018 15:47

Tgt Ion:202 Resp: 25049
Ion Ratio Lower Upper
202 100
200 21.4 17.8 26.6
203 19.3 14.2 21.4





#79

Terphenyl-d14

Concen: 54.934 ng

RT: 13.06 min Scan# 1865

Delta R.T. -0.01 min

Lab File: BF110720.D

Acq: 13 Nov 2018 15:47

Instrument :

BNA_F

ClientSampleId :

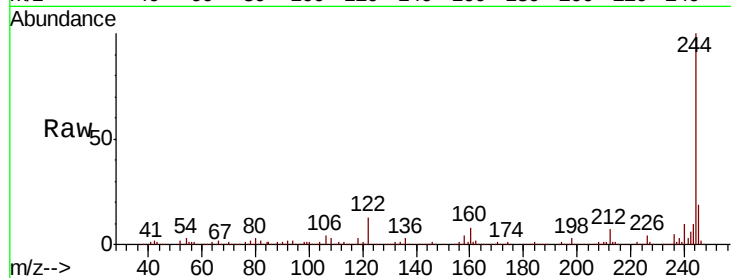
Tot Ion:244 Resp: 451680

Ion Ratio Lower Upper

244 100

212 7.1 5.8 8.8

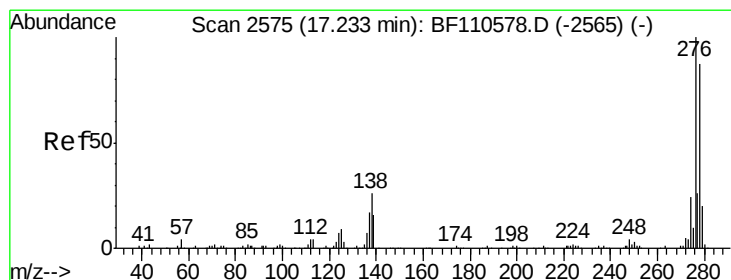
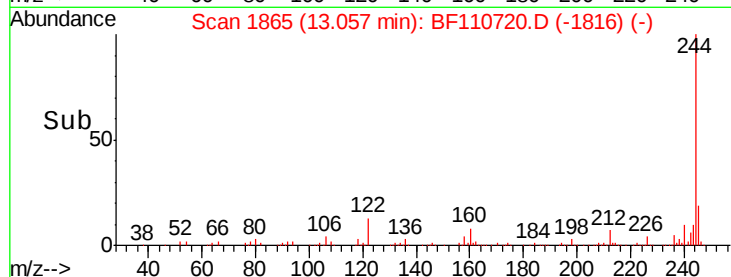
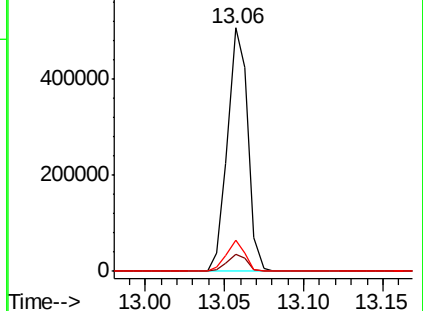
122 12.9 8.7 13.1



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#86

Indeno(1,2,3-cd)pyrene

Concen: 2.083 ng

RT: 17.23 min Scan# 2574

Delta R.T. -0.01 min

Lab File: BF110720.D

Acq: 13 Nov 2018 15:47

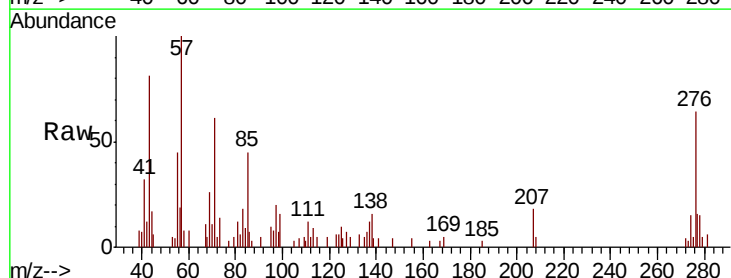
Tgt Ion:276 Resp: 13106

Ion Ratio Lower Upper

276 100

138 25.2 18.5 27.7

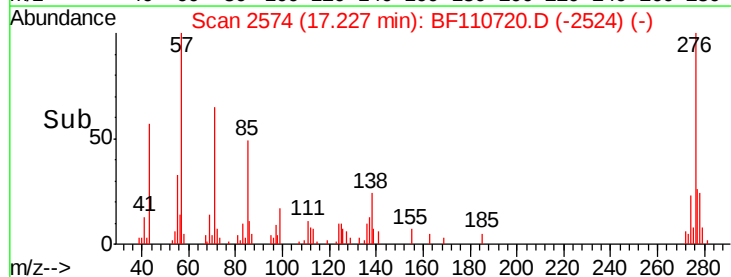
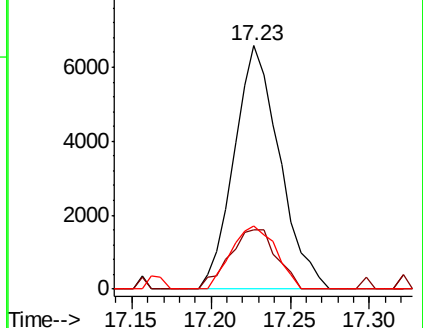
277 25.6 20.0 30.0

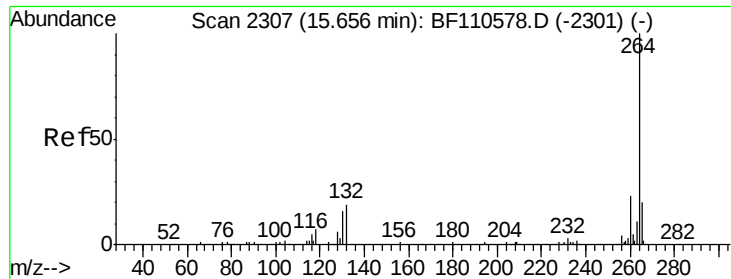


Abundance Ion 276.00 (275.70 to 276.70): E

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: 15.65 min Scan# 2306

Delta R.T. -0.01 min

Lab File: BF110720.D

Acq: 13 Nov 2018 15:47

Instrument :

BNA_F

ClientSampleId :

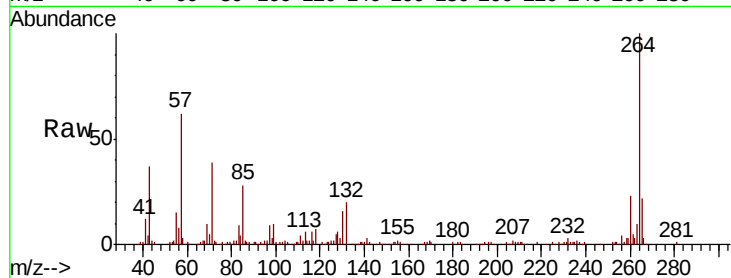
Tot Ion:264 Resp: 163339

Ion Ratio Lower Upper

264 100

260 23.0 18.7 28.1

265 22.0 16.7 25.1

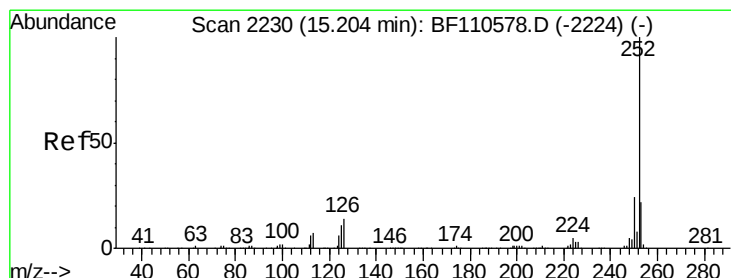
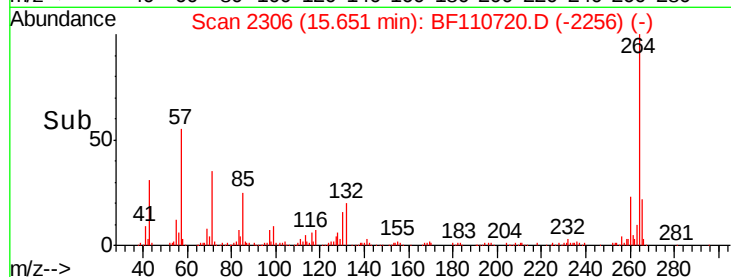
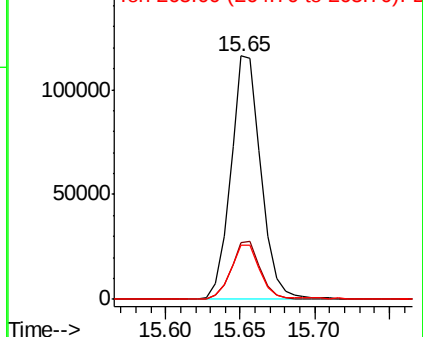


Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 3.519 ng

RT: 15.20 min Scan# 2230

Delta R.T. 0.00 min

Lab File: BF110720.D

Acq: 13 Nov 2018 15:47

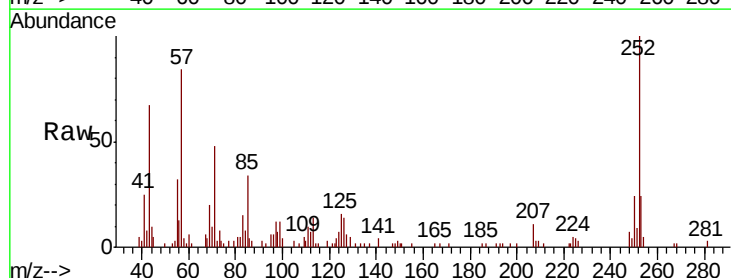
Tgt Ion:252 Resp: 34385

Ion Ratio Lower Upper

252 100

253 23.8 17.2 25.8

125 15.6 8.2 12.4#

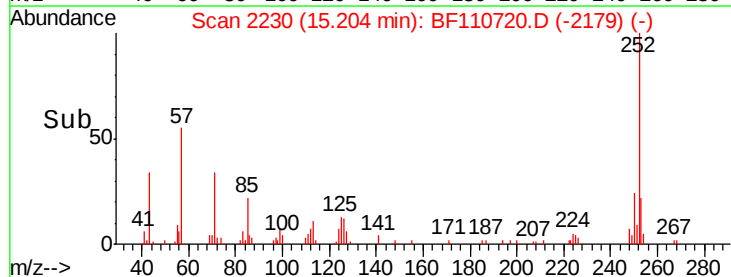
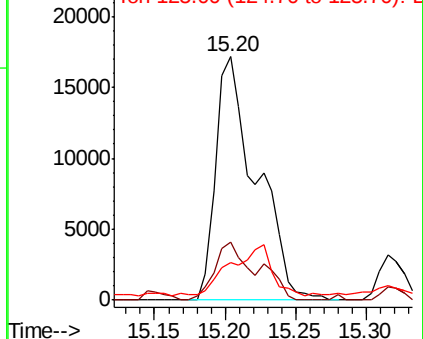


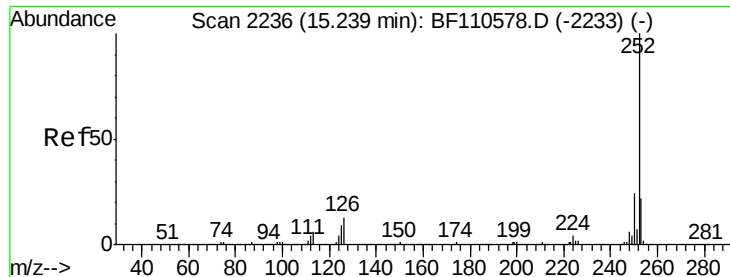
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

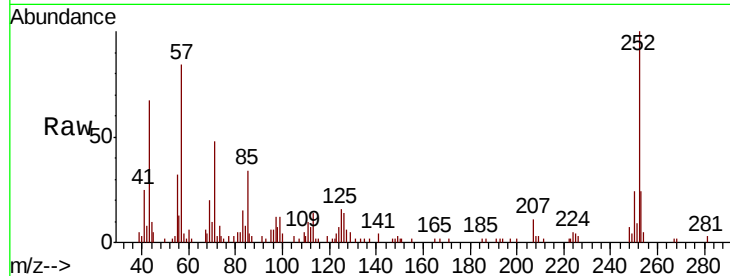




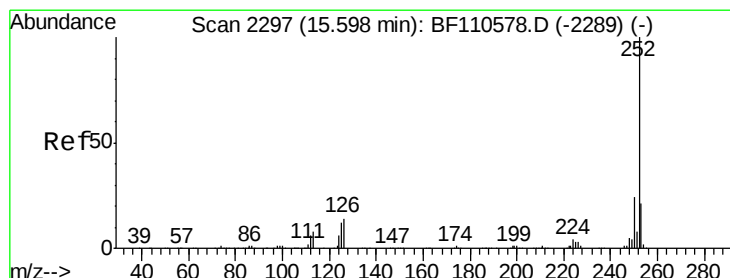
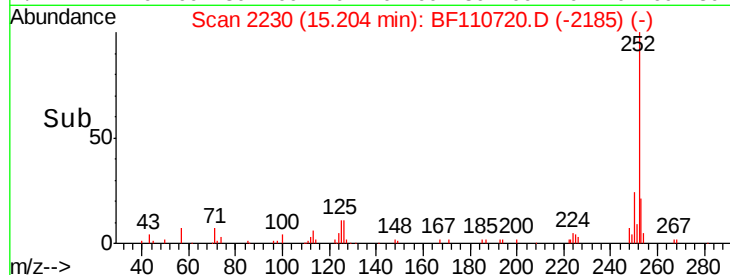
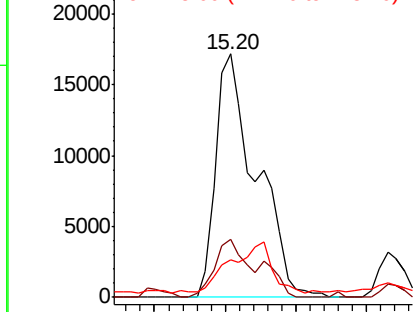
#89
Benzo(k)fluoranthene
Concen: 3.561 ng
RT: 15.20 min Scan# 2230
Delta R.T. -0.04 min
Lab File: BF110720.D
Acq: 13 Nov 2018 15:47

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 34385
Ion Ratio Lower Upper
252 100
253 23.8 17.2 25.8
125 15.6 7.4 11.0#

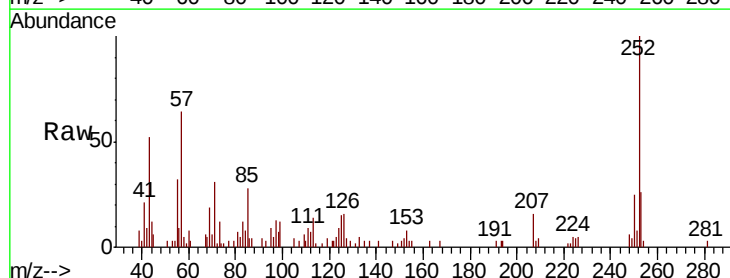


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#90
Benzo(a)pyrene
Concen: 2.143 ng
RT: 15.59 min Scan# 2296
Delta R.T. -0.01 min
Lab File: BF110720.D
Acq: 13 Nov 2018 15:47

Tgt Ion:252 Resp: 19027
Ion Ratio Lower Upper
252 100
253 25.8 18.2 27.4
125 14.8 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

