

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102418\
 Data File : BF110111.D
 Acq On : 24 Oct 2018 13:31
 Operator : JU/SJ
 Sample : J5610-06
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 25 02:10:36 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 23 15:06:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	184440	20.00	ng	-0.01
21) Naphthalene-d8	8.25	136	678974	20.00	ng	-0.02
39) Acenaphthene-d10	10.01	164	274738	20.00	ng	-0.02
64) Phenanthrene-d10	11.50	188	423348	20.00	ng	-0.01
76) Chrysene-d12	14.15	240	333278	20.00	ng	-0.01
87) Perylene-d12	15.67	264	231120	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.59	112	1046549	92.40	ng	0.00
7) Phenol-d6	6.59	99	1325131	91.47	ng	-0.01
23) Nitrobenzene-d5	7.53	82	797386	69.66	ng	-0.02
42) 2,4,6-Tribromophenol	10.80	330	211710	77.79	ng	-0.02
45) 2-Fluorobiphenyl	9.33	172	1277814	73.03	ng	-0.01
79) Terphenyl-d14	13.09	244	948993	59.22	ng	-0.02

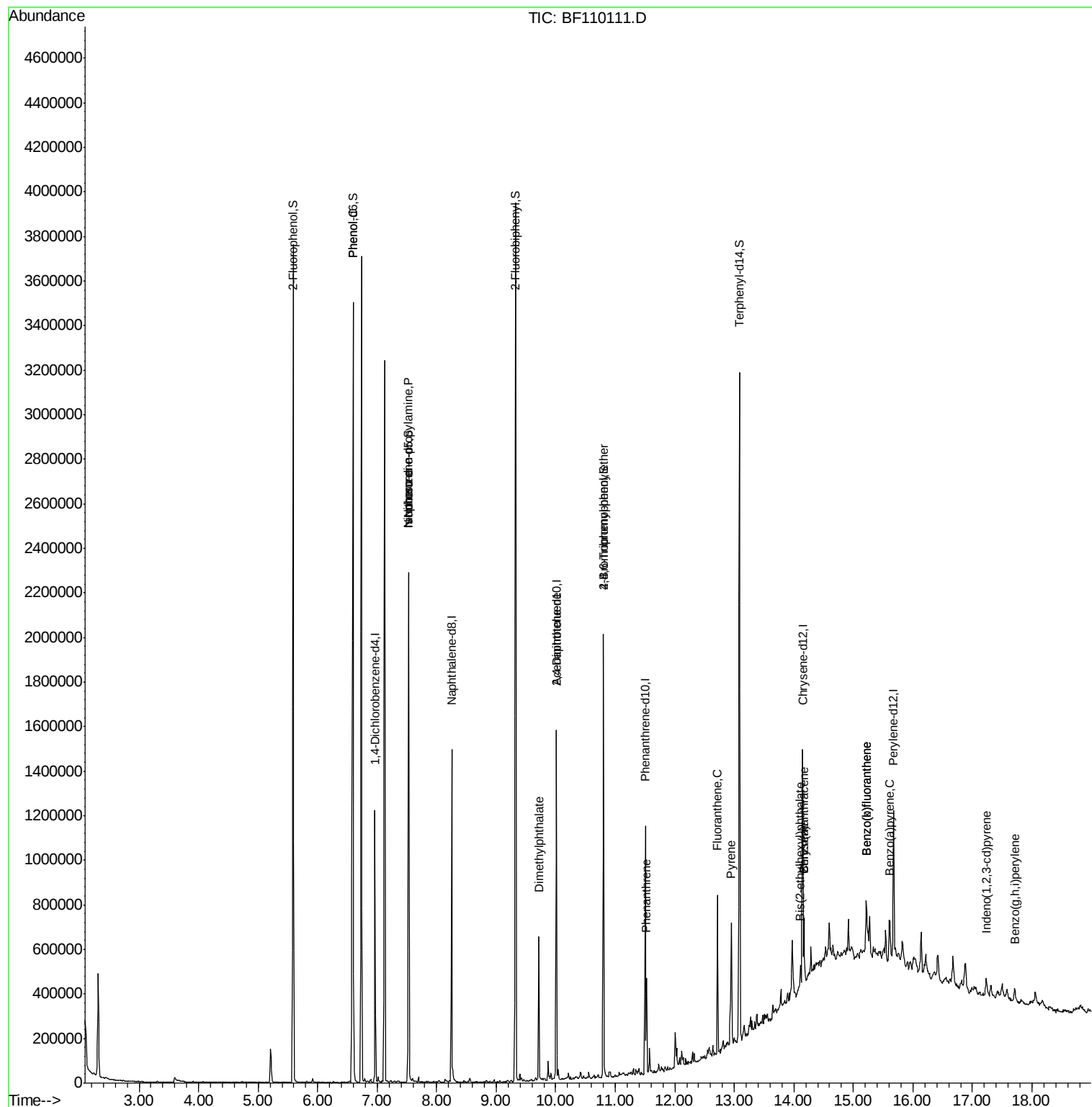
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.60	94	135570	8.755	ng	# 74
19) n-Nitroso-di-n-propylamine	7.53	70	105494	11.351	ng	# 80
25) Isophorone	7.53	82	795186	40.751	ng	# 67
50) Dimethylphthalate	9.72	163	242566	11.961	ng	100
57) 2,4-Dinitrotoluene	10.01	165	35242	6.351	ng	# 19
67) 4-Bromophenyl-phenylether	10.80	248	13613	2.964	ng	# 1
71) Phenanthrene	11.53	178	164223	7.414	ng	98
75) Fluoranthene	12.72	202	252437	11.229	ng	100
78) Pyrene	12.95	202	230715	9.656	ng	97
81) Benzo(a)anthracene	14.17	228	118448	5.993	ng	97
83) Chrysene	14.17	228	118448	6.310	ng	98
84) Bis(2-ethylhexyl)phthalate	14.11	149	33987	2.424	ng	# 94
86) Indeno(1,2,3-cd)pyrene	17.23	276	52350	3.362	ng	98
88) Benzo(b)fluoranthene	15.22	252	164979	12.361	ng	# 90
89) Benzo(k)fluoranthene	15.22	252	164979	12.574	ng	# 89
90) Benzo(a)pyrene	15.60	252	83716	6.817	ng	# 93
92) Benzo(a,h,i)perylene	17.72	276	47411	4.540	ng	# 87

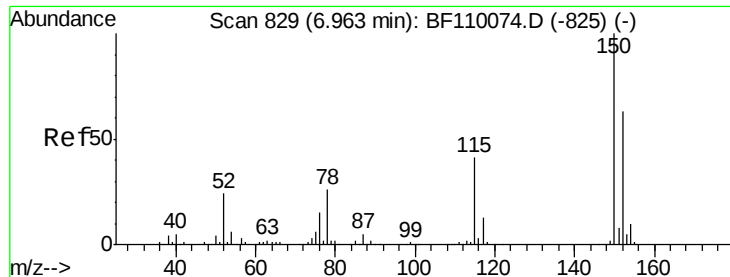
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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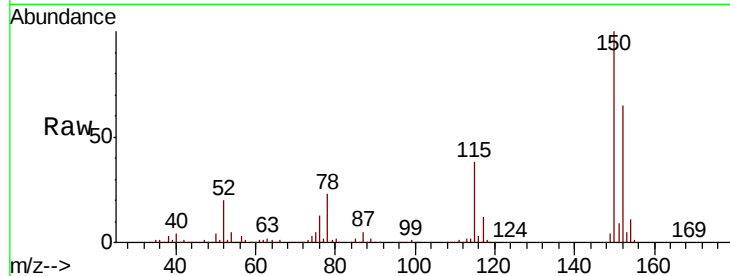


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. -0.01 min
Lab File: BF110111.D
Acq: 24 Oct 2018 13:31

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.7	122.7	184.1
115	58.3	49.1	73.7

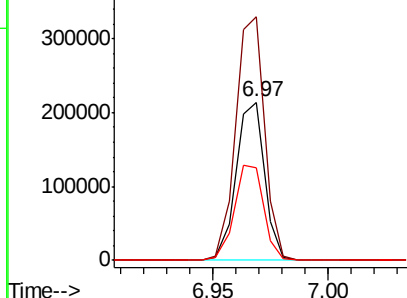
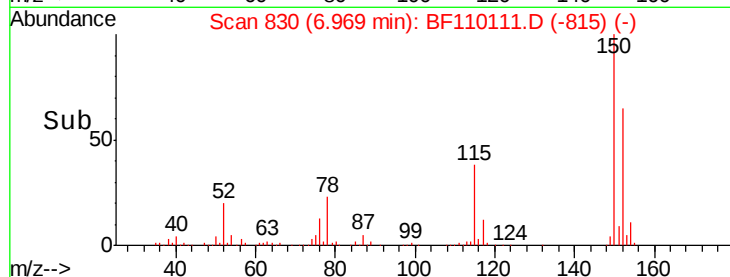


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

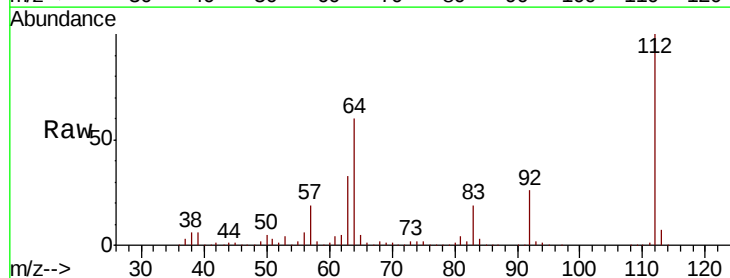
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 92.402 ng
RT: 5.59 min Scan# 596
Delta R.T. -0.01 min
Lab File: BF110111.D
Acq: 24 Oct 2018 13:31

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.8	44.1	66.1
63	32.6	23.7	35.5

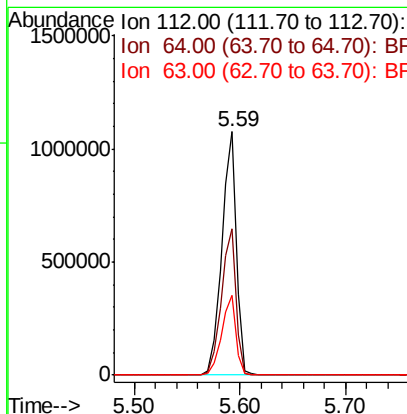
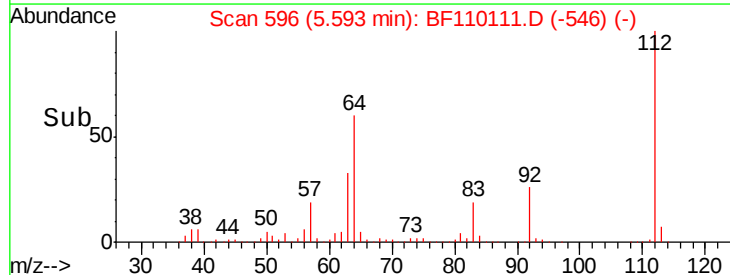


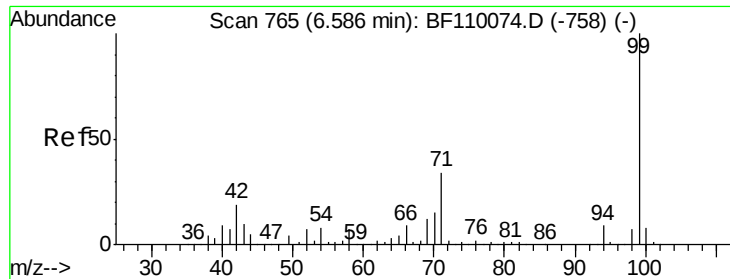
Abundance

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: 91.471 ng

RT: 6.59 min Scan# 766

Delta R.T. -0.01 min

Lab File: BF110111.D

Acq: 24 Oct 2018 13:31

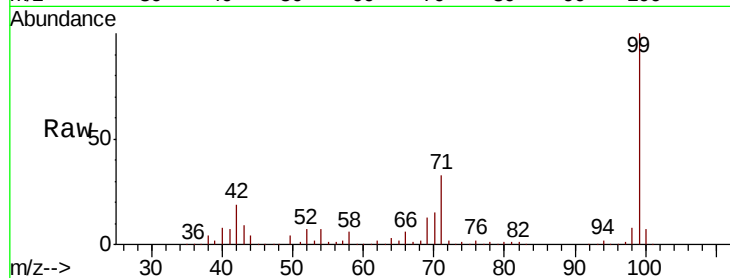
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1325131

Ion	Ratio	Lower	Upper
99	100		
42	18.8	15.8	23.6
71	33.4	28.0	42.0

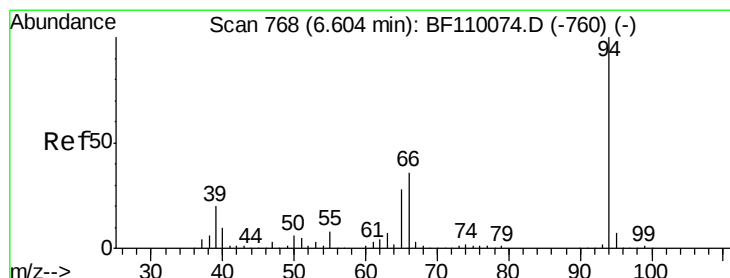
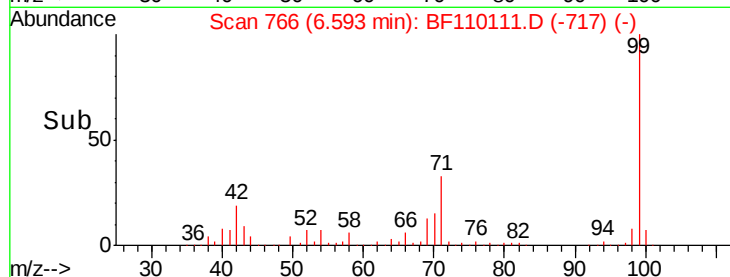
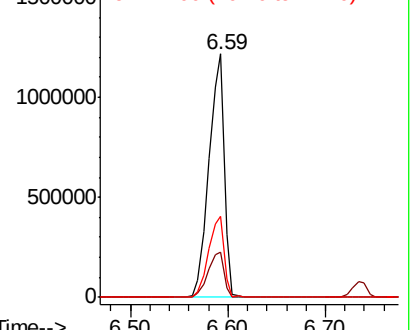


Abundance

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: 8.755 ng

RT: 6.60 min Scan# 767

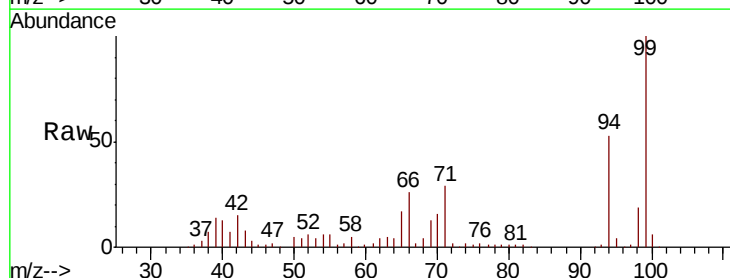
Delta R.T. -0.02 min

Lab File: BF110111.D

Acq: 24 Oct 2018 13:31

Tgt Ion: 94 Resp: 135570

Ion	Ratio	Lower	Upper
94	100		
65	32.9	25.3	65.3
66	48.9	54.5	94.5#

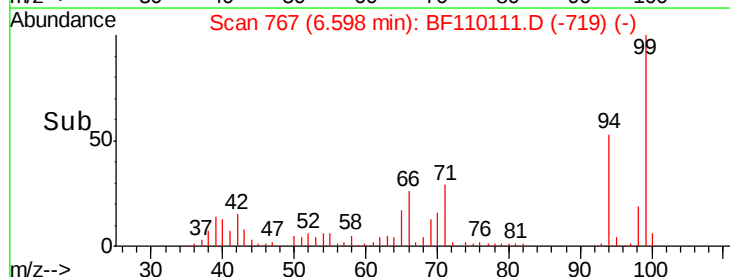
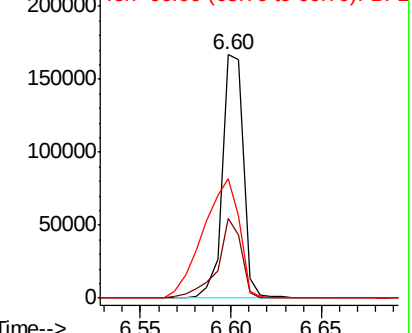


Abundance

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

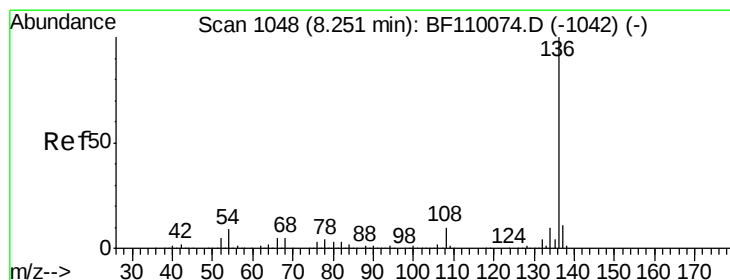
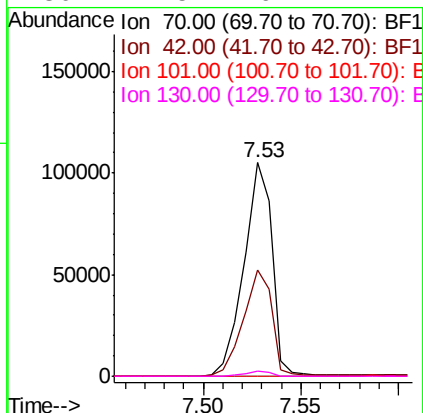
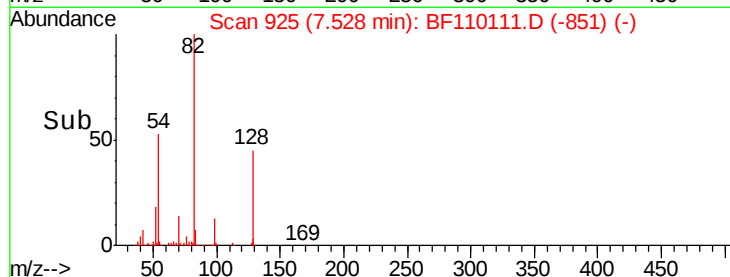
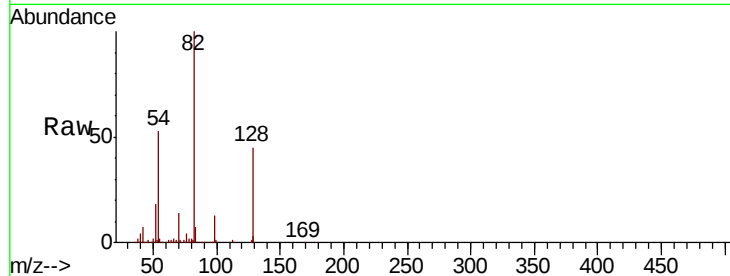




#19
n-Nitroso-di-n-propylamine
Concen: 11.351 ng
RT: 7.53 min Scan# 925
Delta R.T. 0.14 min
Lab File: BF110111.D
Acq: 24 Oct 2018 13:31

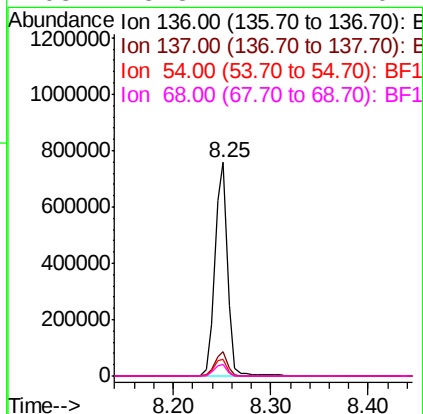
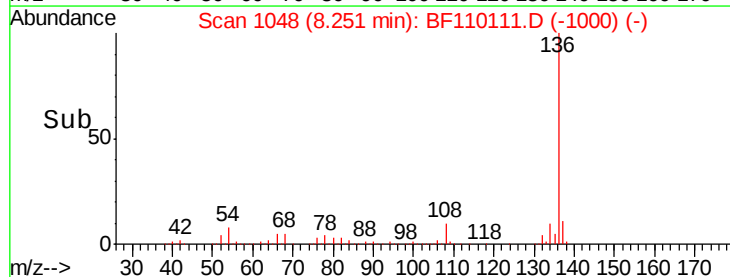
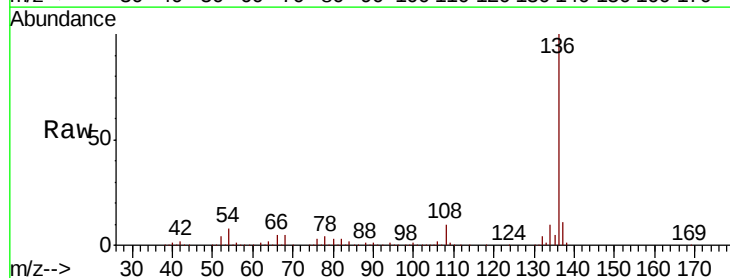
Instrument :
BNA_F
ClientSampleId :

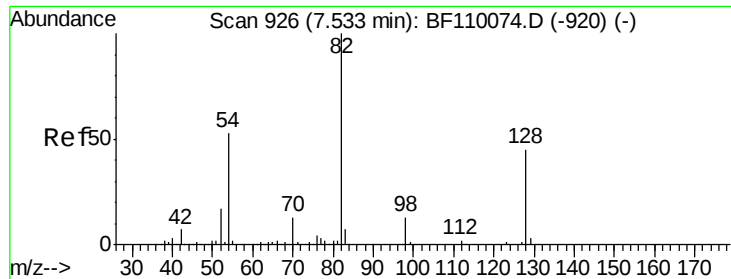
Tot Ion: 70 Resp: 105494
Ion Ratio Lower Upper
70 100
42 50.0 47.4 71.2
101 0.0 7.3 10.9#
130 2.5 16.2 24.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1048
Delta R.T. -0.02 min
Lab File: BF110111.D
Acq: 24 Oct 2018 13:31

Tgt Ion: 136 Resp: 678974
Ion Ratio Lower Upper
136 100
137 11.3 8.8 13.2
54 7.6 5.4 8.2
68 5.3 4.2 6.2

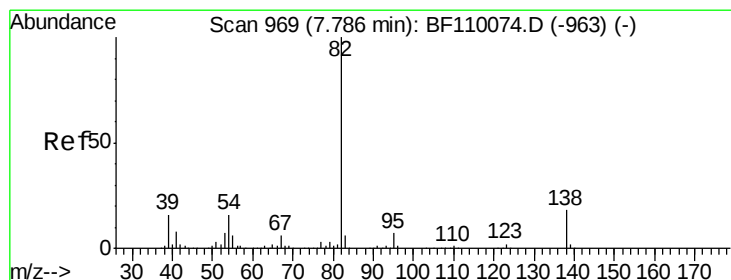
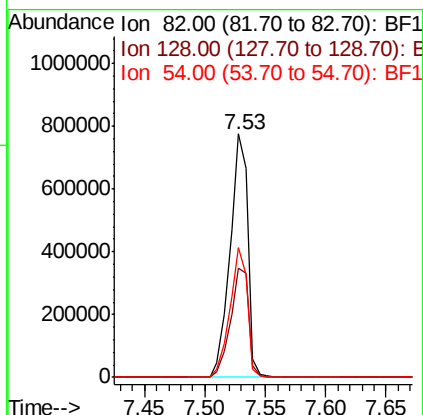
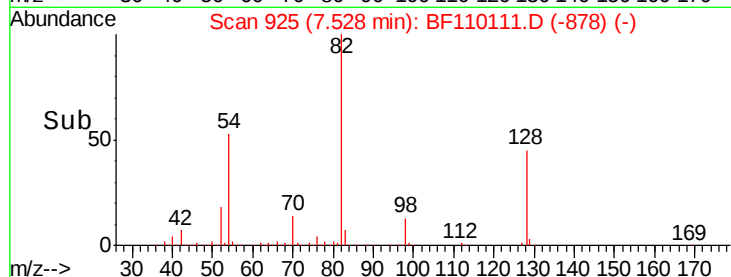
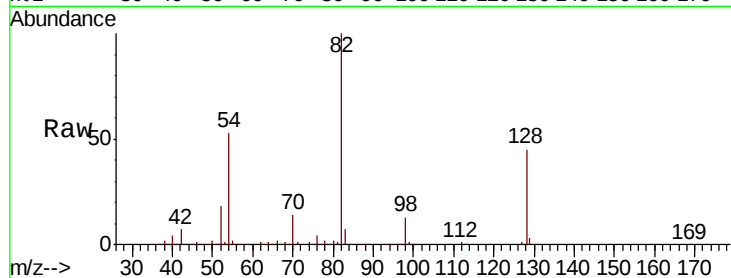




#23
 Nitrobenzene-d5
 Concen: 69.657 ng
 RT: 7.53 min Scan# 925
 Delta R.T. -0.02 min
 Lab File: BF110111.D
 Acq: 24 Oct 2018 13:31

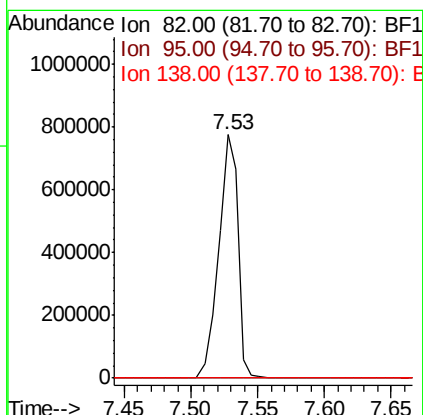
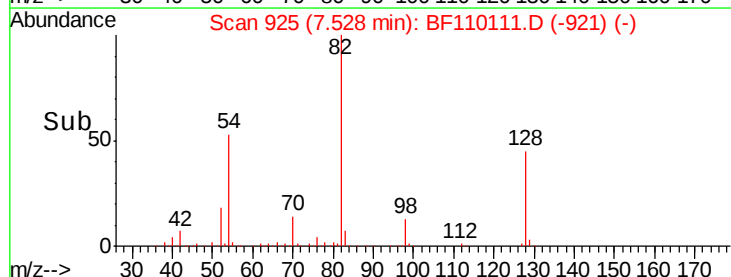
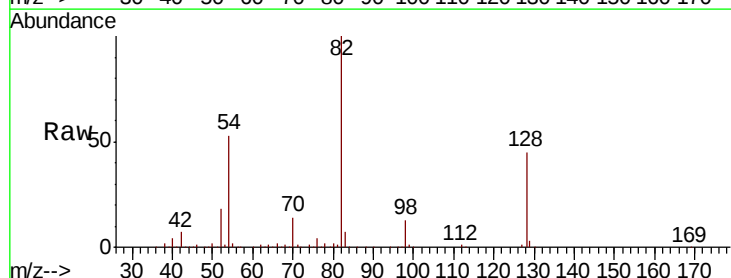
Instrument :
 BNA_F
 ClientSampleId :

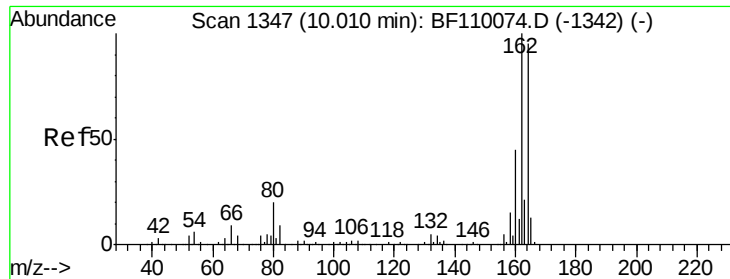
Tot Ion	82	Resp	797386
Ion Ratio	Lower	Upper	
82	100		
128	44.8	34.2	51.2
54	53.1	38.6	58.0



#25
 Isophorone
 Concen: 40.751 ng
 RT: 7.53 min Scan# 925
 Delta R.T. -0.28 min
 Lab File: BF110111.D
 Acq: 24 Oct 2018 13:31

Tgt Ion	82	Resp	795186
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: 10.01 min Scan# 1347

Delta R.T. -0.02 min

Lab File: BF110111.D

Acq: 24 Oct 2018 13:31

Instrument :

BNA_F

ClientSampled :

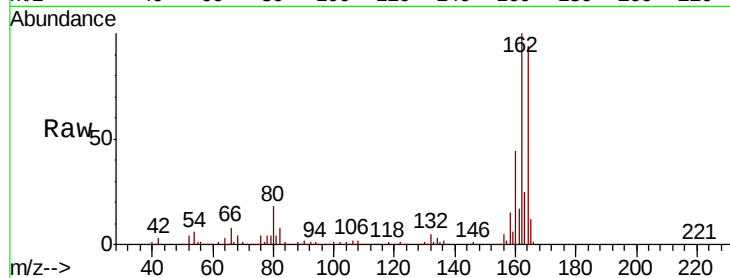
Tot Ion:164 Resp: 274738

Ion Ratio Lower Upper

164 100

162 106.3 83.0 124.6

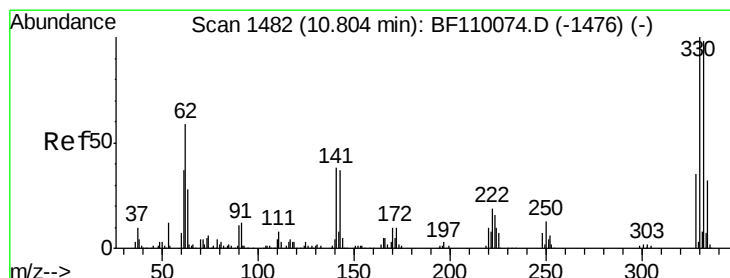
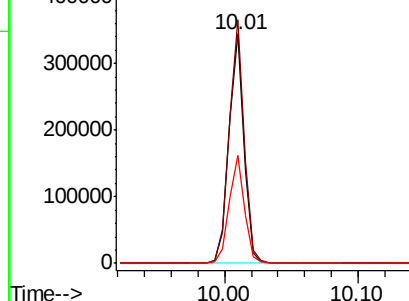
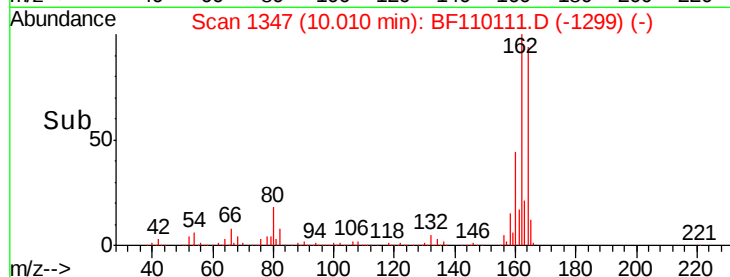
160 47.1 37.0 55.6



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: 77.793 ng

RT: 10.80 min Scan# 1481

Delta R.T. -0.02 min

Lab File: BF110111.D

Acq: 24 Oct 2018 13:31

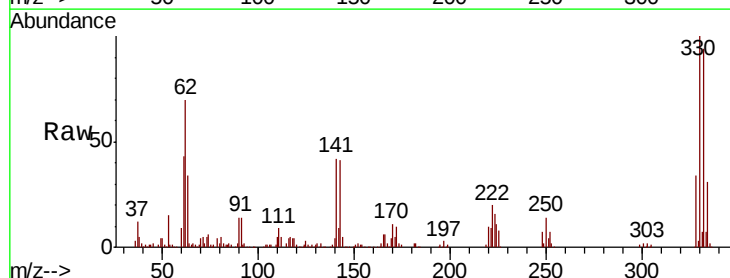
Tgt Ion:330 Resp: 211710

Ion Ratio Lower Upper

330 100

332 96.0 77.1 115.7

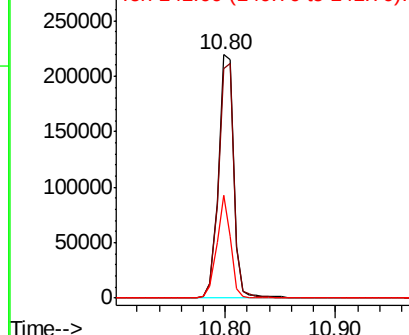
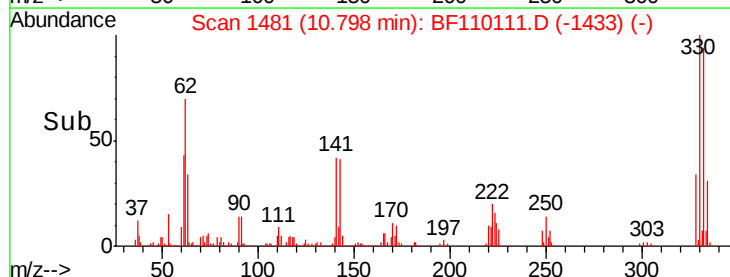
141 37.5 27.0 40.4



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

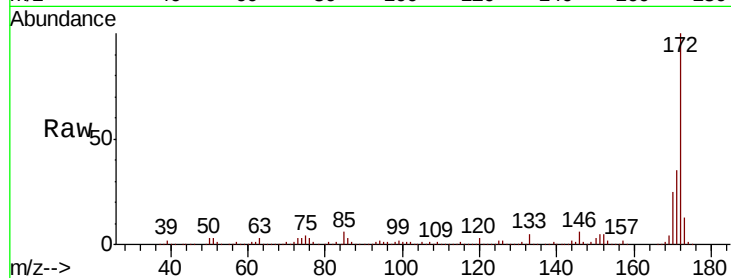




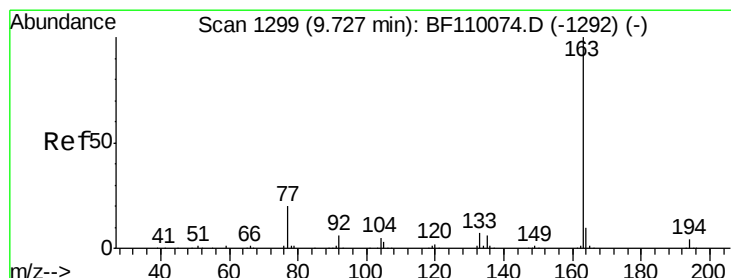
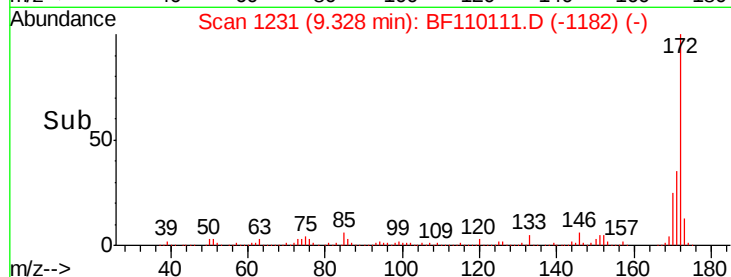
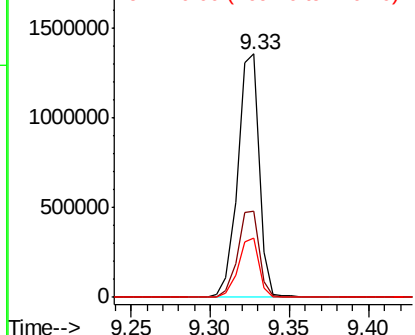
#45
2-Fluorobiphenyl
Concen: 73.033 ng
RT: 9.33 min Scan# 1231
Delta R.T. -0.01 min
Lab File: BF110111.D
Acq: 24 Oct 2018 13:31

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1277814
Ion Ratio Lower Upper
172 100
171 35.4 28.6 43.0
170 24.5 19.7 29.5

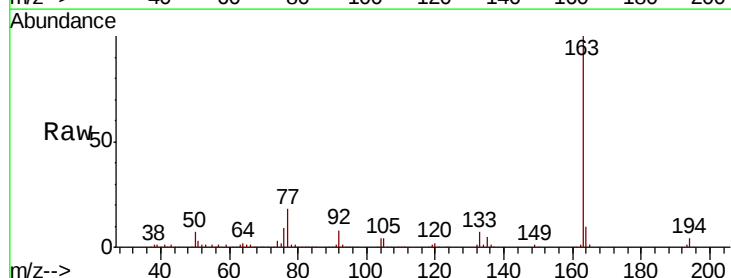


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

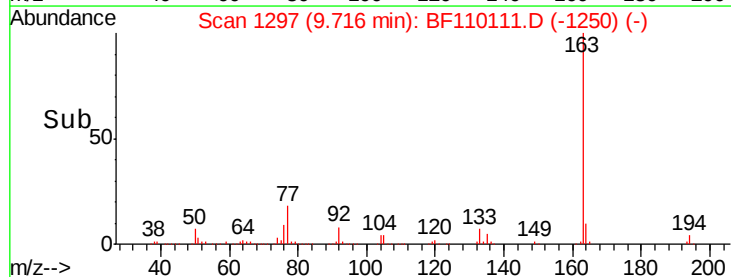
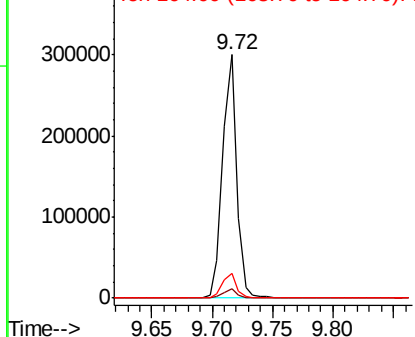


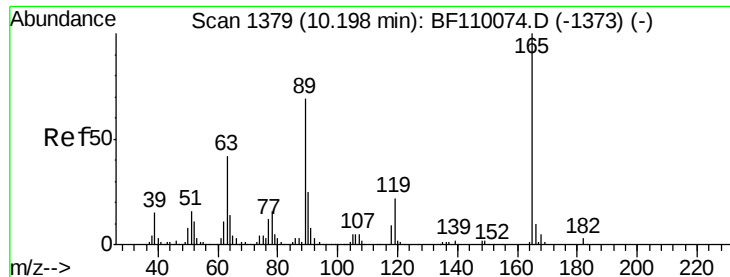
#50
Dimethylphthalate
Concen: 11.961 ng
RT: 9.72 min Scan# 1297
Delta R.T. -0.02 min
Lab File: BF110111.D
Acq: 24 Oct 2018 13:31

Tgt Ion:163 Resp: 242566
Ion Ratio Lower Upper
163 100
194 4.0 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

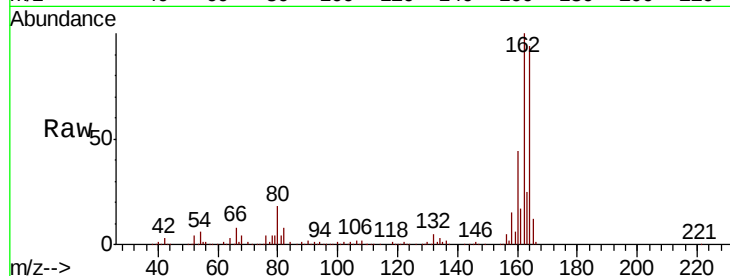




#57
 2,4-Dinitrotoluene
 Concen: 6.351 ng
 RT: 10.01 min Scan# 1347
 Delta R.T. -0.20 min
 Lab File: BF110111.D
 Acq: 24 Oct 2018 13:31

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.4	44.8	67.2#
89	1.2	62.2	93.4#
182	0.0	2.1	3.1#

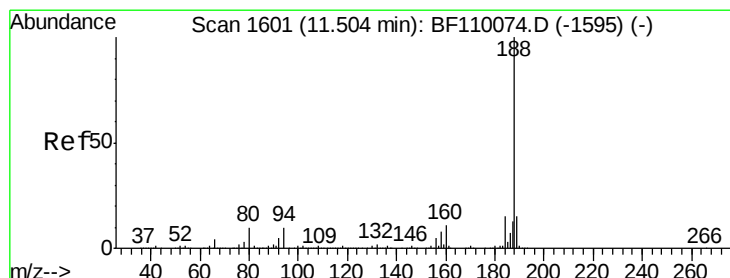
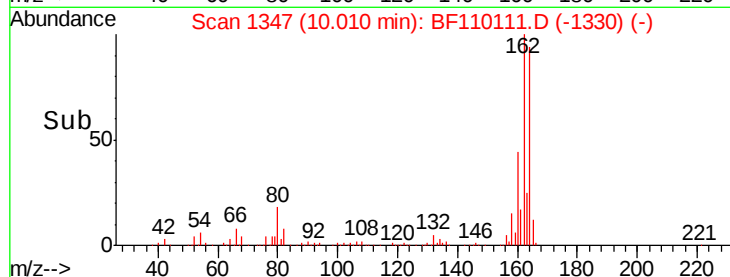
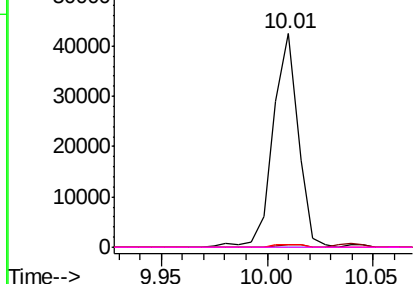


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

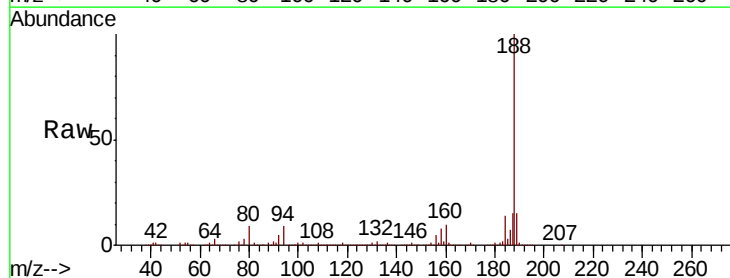
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.50 min Scan# 1601
 Delta R.T. -0.01 min
 Lab File: BF110111.D
 Acq: 24 Oct 2018 13:31

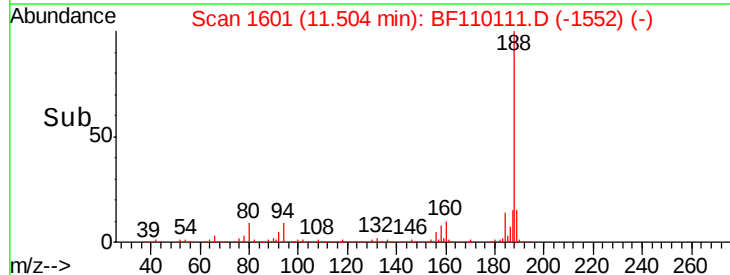
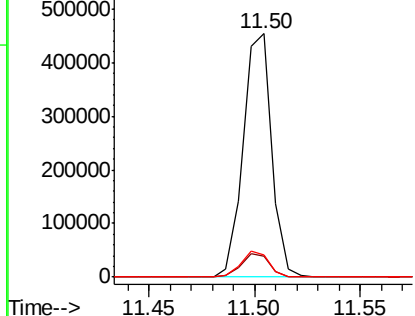
Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.6	7.2	10.8
80	8.9	7.9	11.9

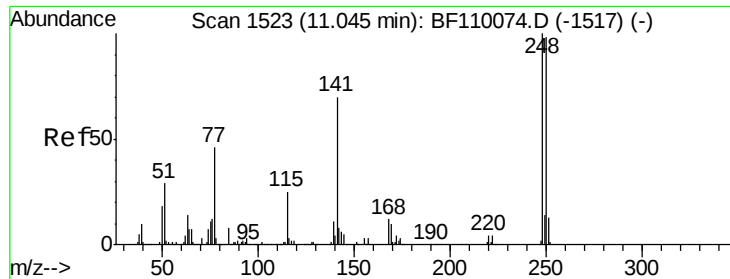


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

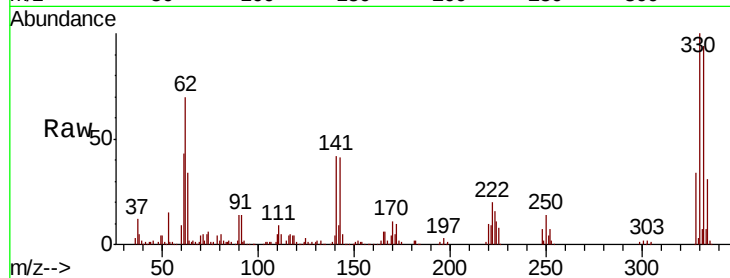




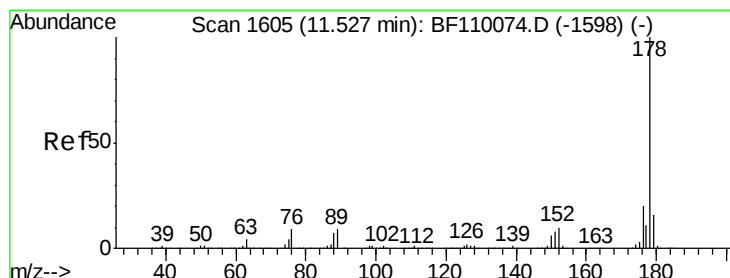
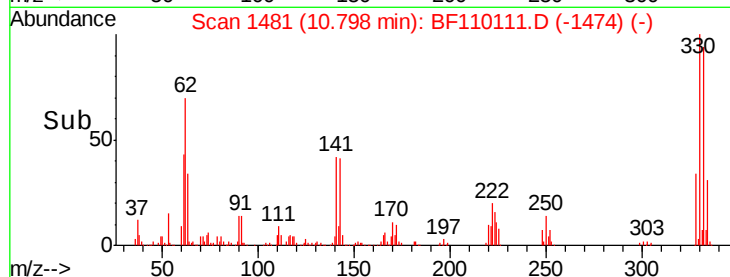
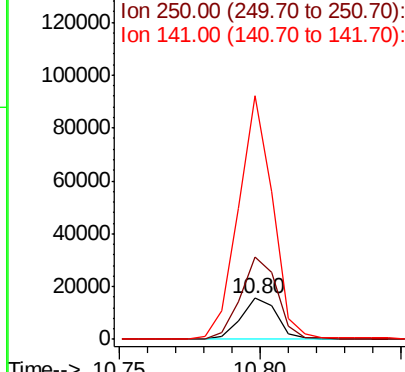
#67
 4-Bromophenyl-phenylether
 Concen: 2.964 ng
 RT: 10.80 min Scan# 1481
 Delta R.T. -0.26 min
 Lab File: BF110111.D
 Acq: 24 Oct 2018 13:31

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 13613
 Ion Ratio Lower Upper
 248 100
 250 201.4 79.4 119.2#
 141 592.5 55.9 83.9#

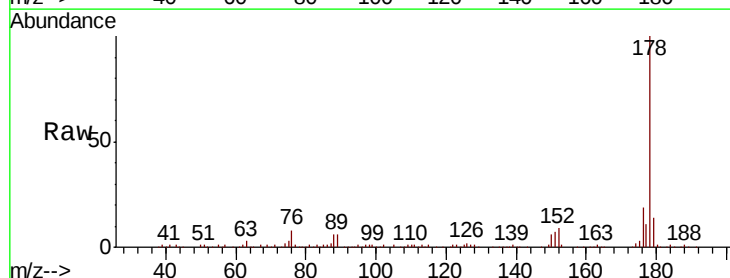


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

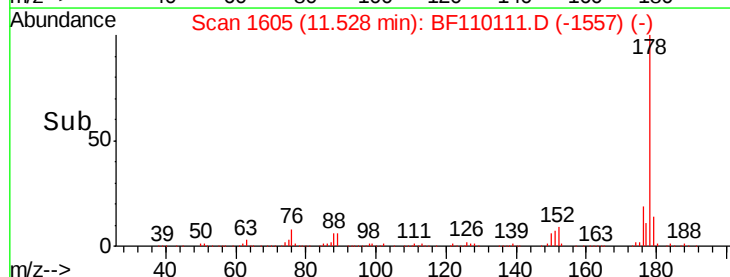
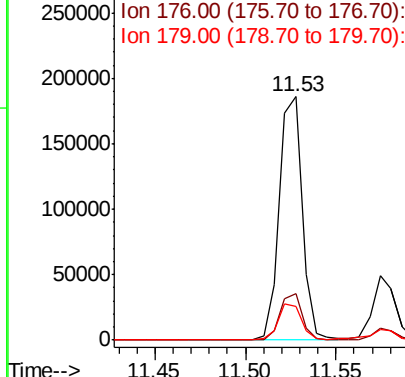


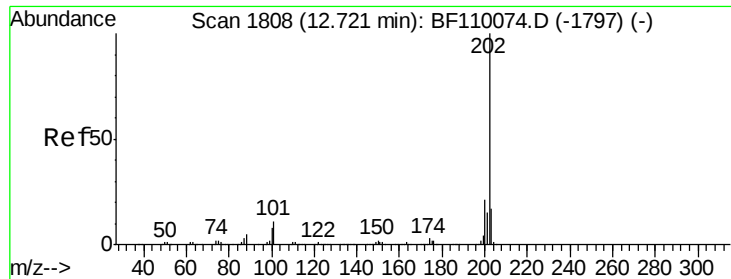
#71
 Phenanthrene
 Concen: 7.414 ng
 RT: 11.53 min Scan# 1605
 Delta R.T. -0.02 min
 Lab File: BF110111.D
 Acq: 24 Oct 2018 13:31

Tgt Ion:178 Resp: 164223
 Ion Ratio Lower Upper
 178 100
 176 18.9 15.5 23.3
 179 13.9 12.5 18.7



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 11.229 ng

RT: 12.72 min Scan# 1807

Delta R.T. -0.02 min

Lab File: BF110111.D

Acq: 24 Oct 2018 13:31

Instrument :

BNA_F

ClientSampleId :

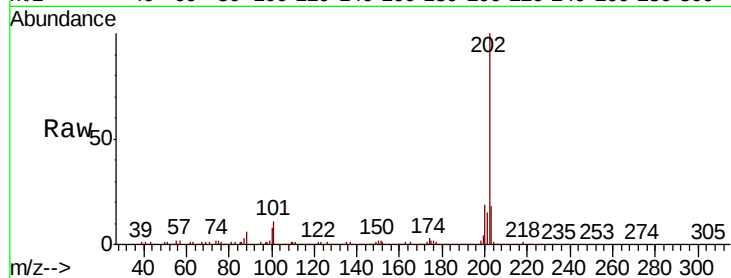
Tot Ion:202 Resp: 252437

Ion Ratio Lower Upper

202 100

101 11.4 0.0 31.4

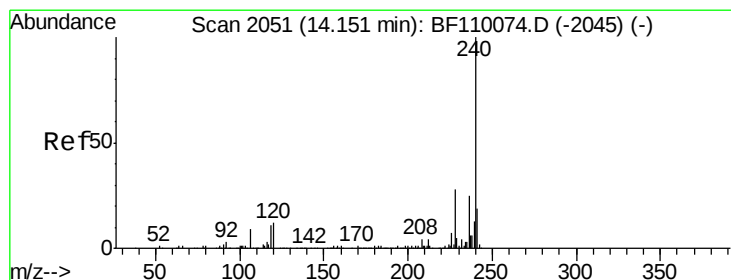
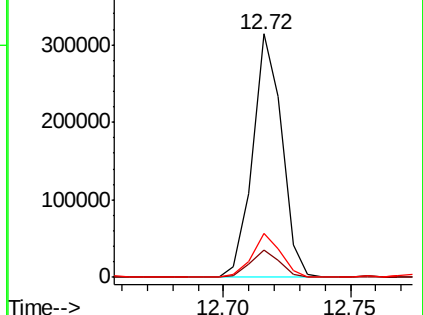
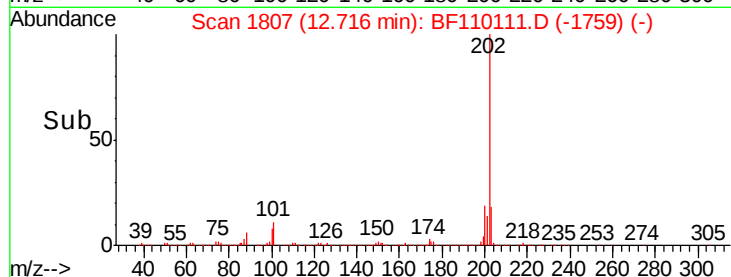
203 17.8 0.0 37.7



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: 14.15 min Scan# 2051

Delta R.T. -0.01 min

Lab File: BF110111.D

Acq: 24 Oct 2018 13:31

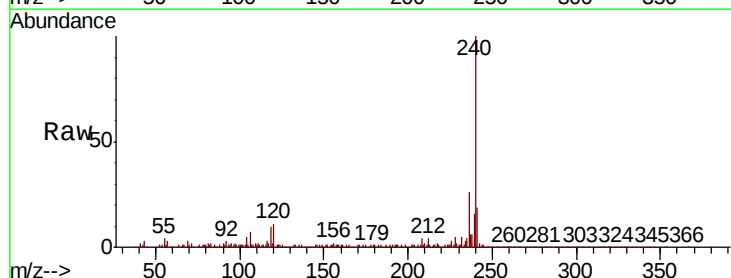
Tgt Ion:240 Resp: 333278

Ion Ratio Lower Upper

240 100

120 11.5 8.3 12.5

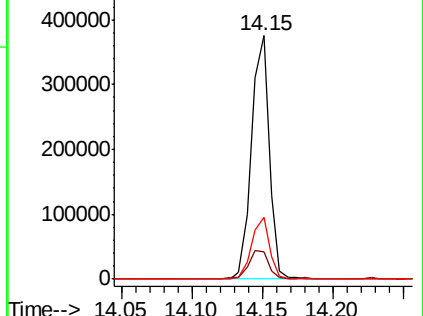
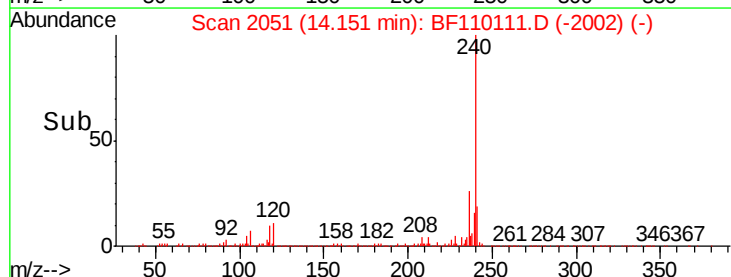
236 25.6 21.2 31.8

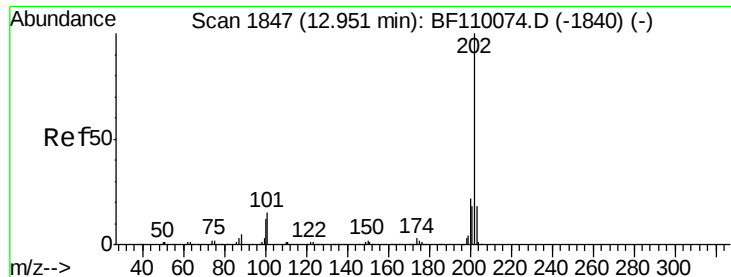


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

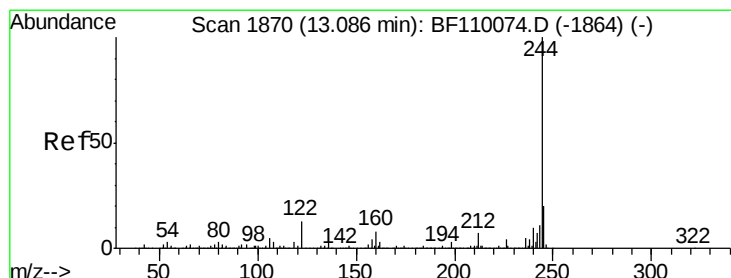
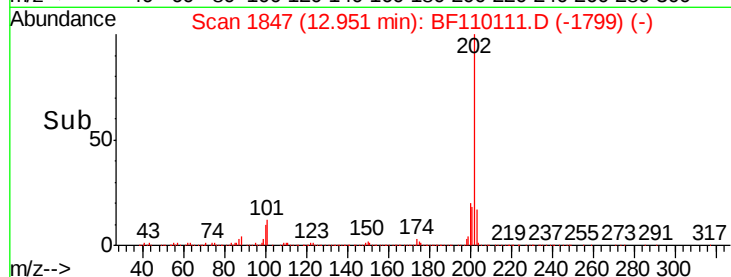
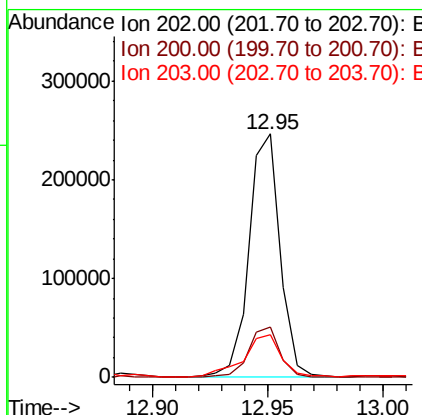
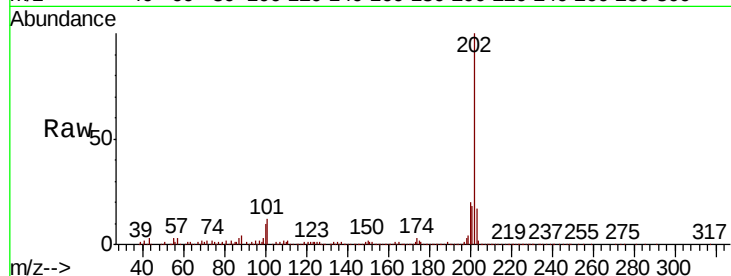




#78
Pvrene
Concen: 9.656 ng
RT: 12.95 min Scan# 1847
Delta R.T. -0.02 min
Lab File: BF110111.D
Acq: 24 Oct 2018 13:31

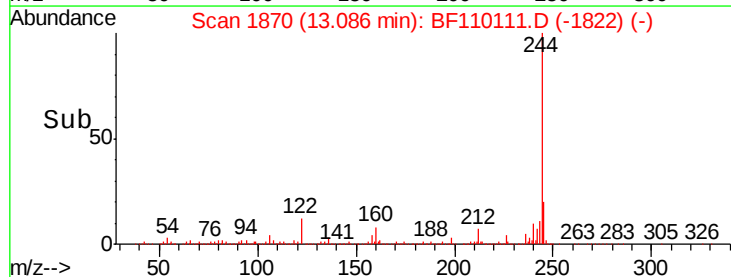
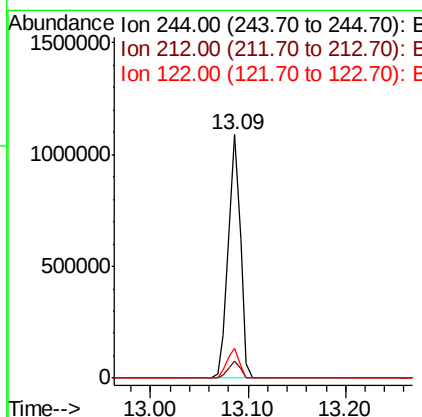
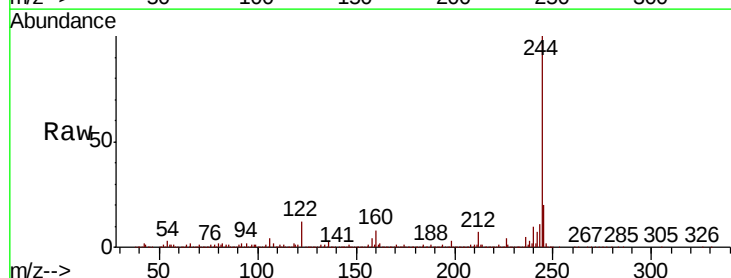
Instrument :
BNA_F
ClientSampleId :

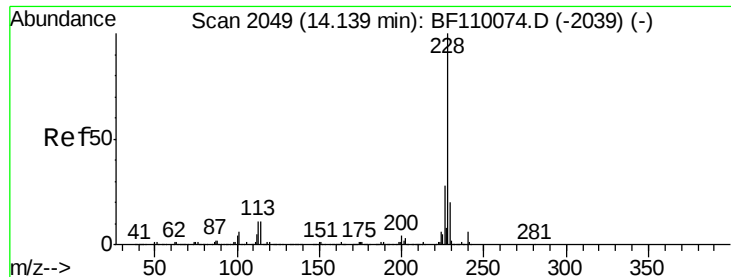
Tot Ion	Ratio	Lower	Upper
202	100		
200	20.4	17.8	26.6
203	17.3	14.2	21.4



#79
Terphenyl-d14
Concen: 59.219 ng
RT: 13.09 min Scan# 1870
Delta R.T. -0.02 min
Lab File: BF110111.D
Acq: 24 Oct 2018 13:31

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.8	8.8
122	12.1	8.7	13.1

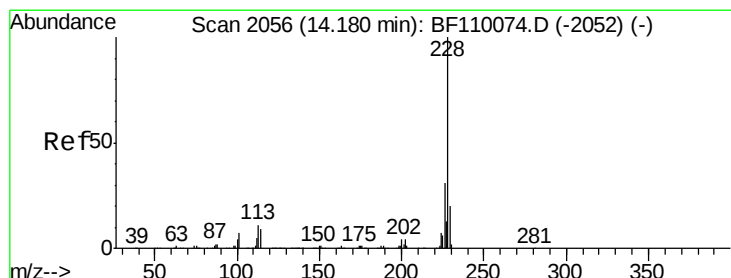
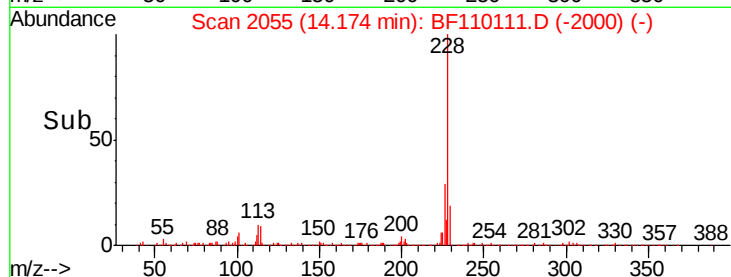
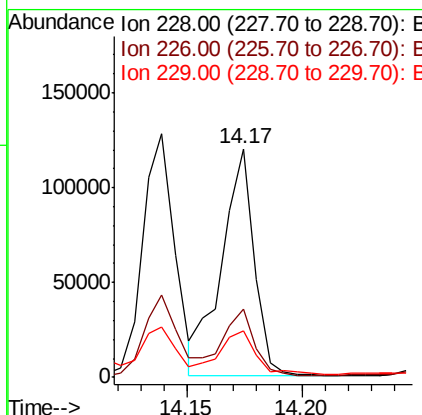
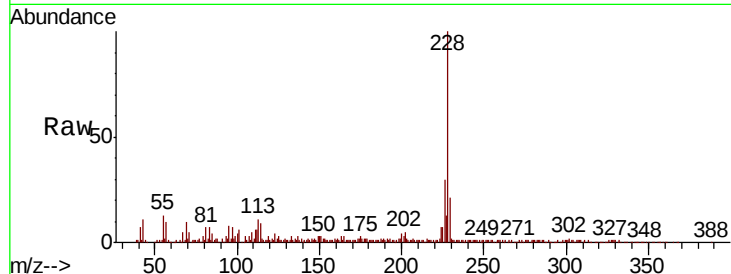




#81
Benzo(a)anthracene
Concen: 5.993 ng
RT: 14.17 min Scan# 2055
Delta R.T. 0.02 min
Lab File: BF110111.D
Acq: 24 Oct 2018 13:31

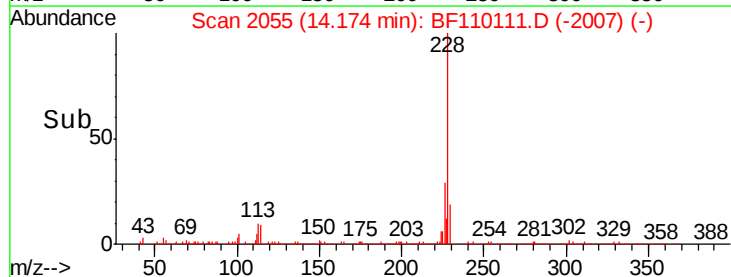
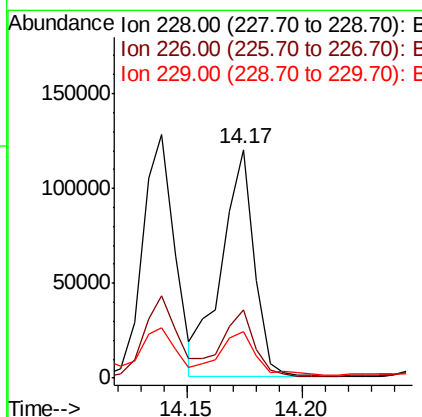
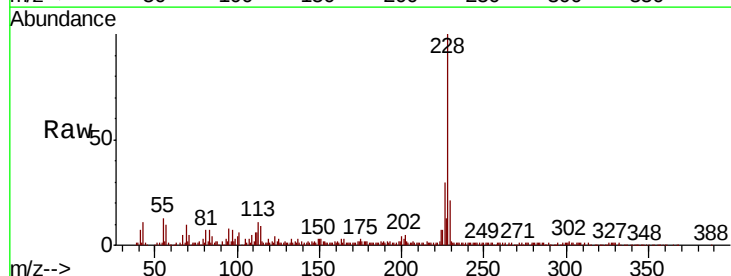
Instrument :
BNA_F
ClientSampleId :

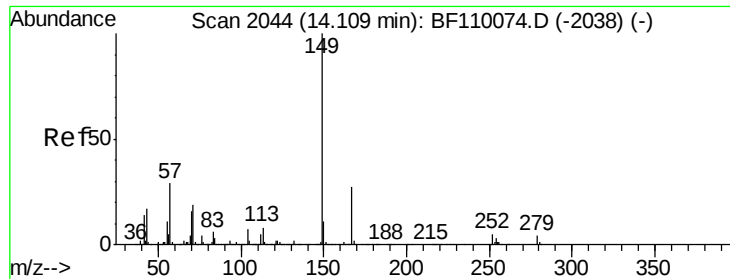
Tot Ion	Ratio	Lower	Upper
228	100		
226	29.7	22.1	33.1
229	20.6	15.6	23.4



#83
Chrysene
Concen: 6.310 ng
RT: 14.17 min Scan# 2055
Delta R.T. -0.02 min
Lab File: BF110111.D
Acq: 24 Oct 2018 13:31

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.7	24.7	37.1
229	20.6	15.9	23.9





#84

Bis(2-ethylhexyl)phthalate

Concen: 2.424 ng

RT: 14.11 min Scan# 2044

Delta R.T. -0.02 min

Lab File: BF110111.D

Acq: 24 Oct 2018 13:31

Instrument :

BNA_F

ClientSampleId :

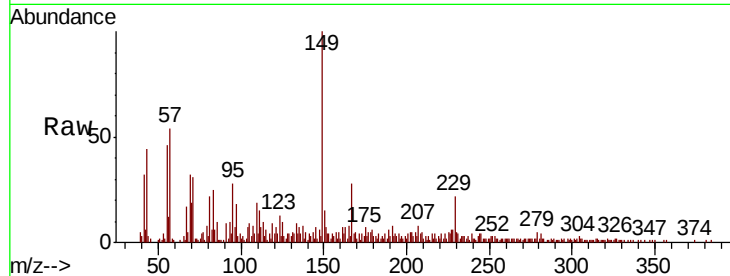
Tot Ion:149 Resp: 33987

Ion Ratio Lower Upper

149 100

167 28.1 19.8 29.8

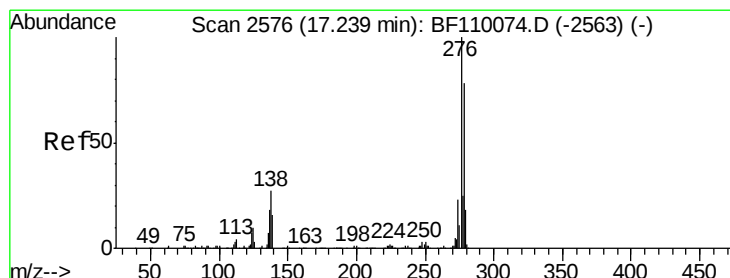
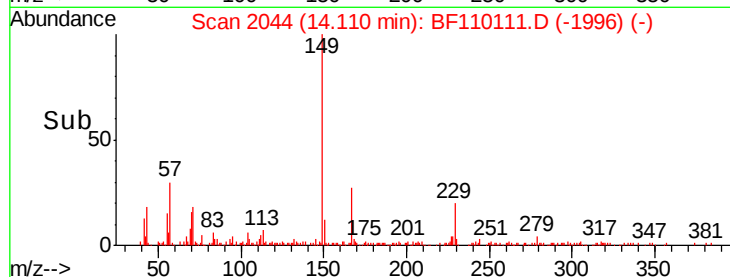
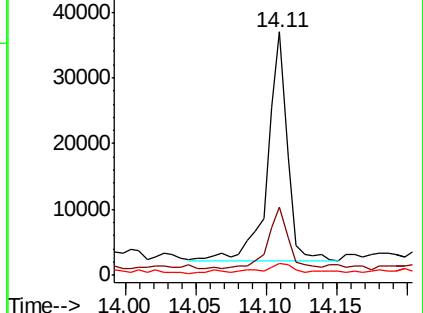
279 4.9 2.7 4.1#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#86

Indeno(1,2,3-cd)pyrene

Concen: 3.362 ng

RT: 17.23 min Scan# 2575

Delta R.T. -0.03 min

Lab File: BF110111.D

Acq: 24 Oct 2018 13:31

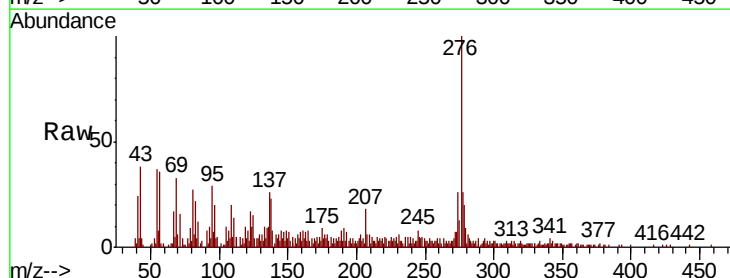
Tgt Ion:276 Resp: 52350

Ion Ratio Lower Upper

276 100

138 24.0 18.5 27.7

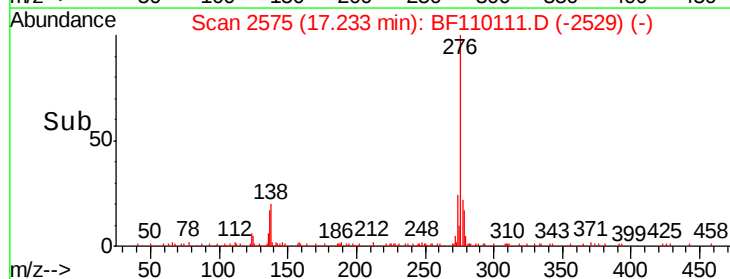
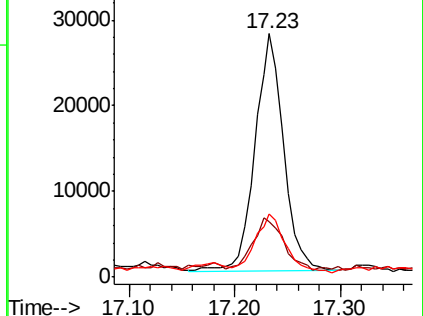
277 25.9 20.0 30.0

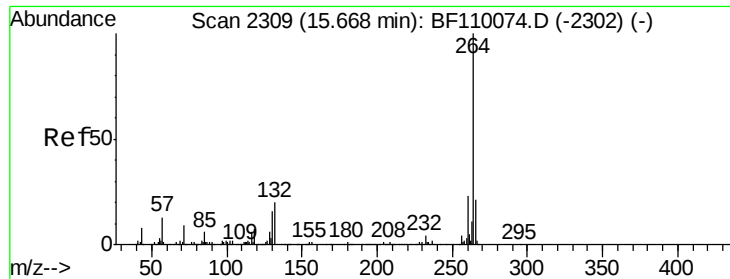


Abundance Ion 276.00 (275.70 to 276.70): E

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# 2310

Delta R.T. -0.02 min

Lab File: BF110111.D

Acq: 24 Oct 2018 13:31

Instrument :

BNA_F

ClientSampleId :

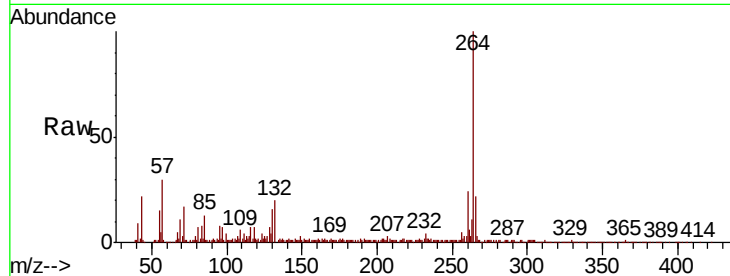
Tot Ion:264 Resp: 231120

Ion Ratio Lower Upper

264 100

260 23.8 18.7 28.1

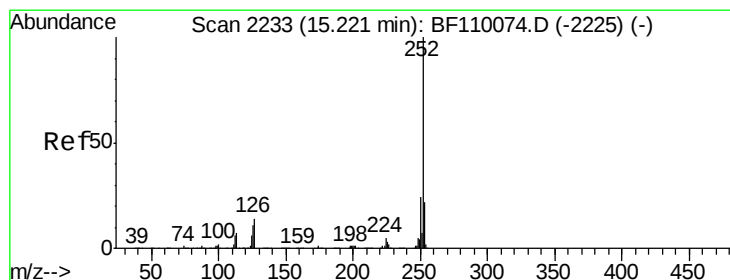
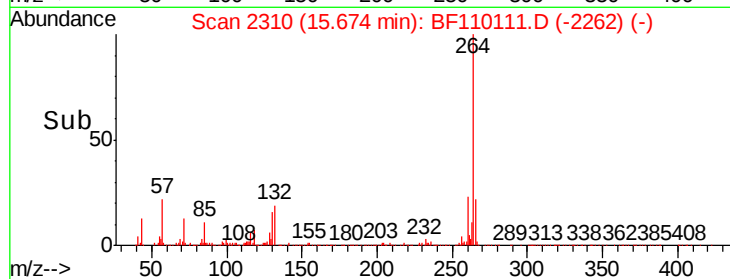
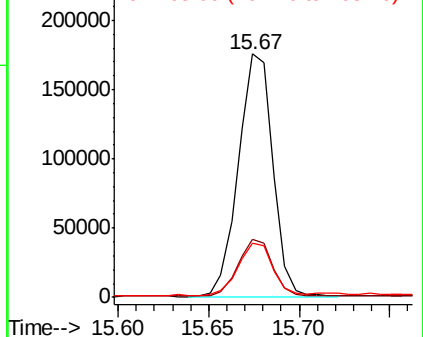
265 22.1 16.7 25.1



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 12.361 ng

RT: 15.22 min Scan# 2232

Delta R.T. -0.02 min

Lab File: BF110111.D

Acq: 24 Oct 2018 13:31

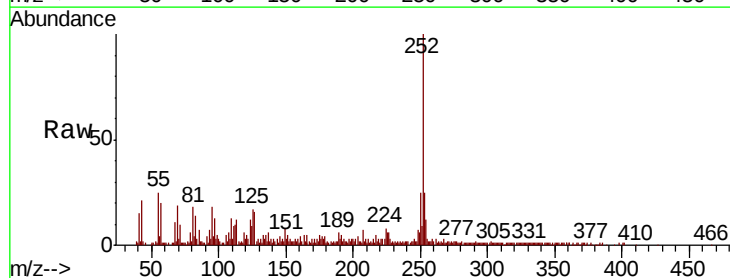
Tgt Ion:252 Resp: 164979

Ion Ratio Lower Upper

252 100

253 24.9 17.2 25.8

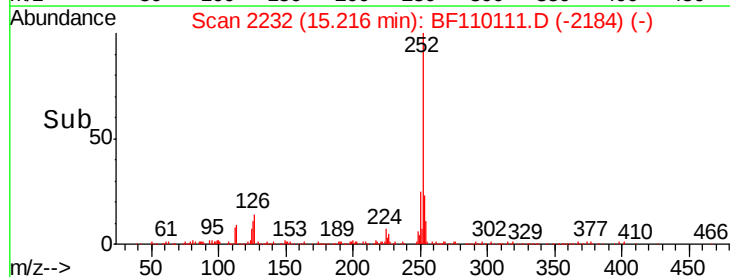
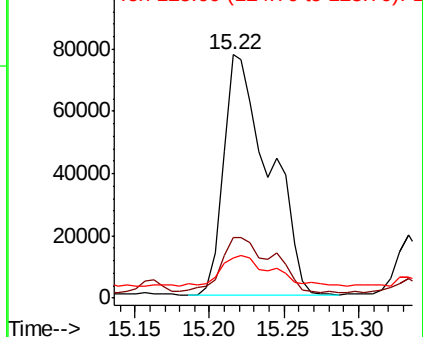
125 16.6 8.2 12.4#

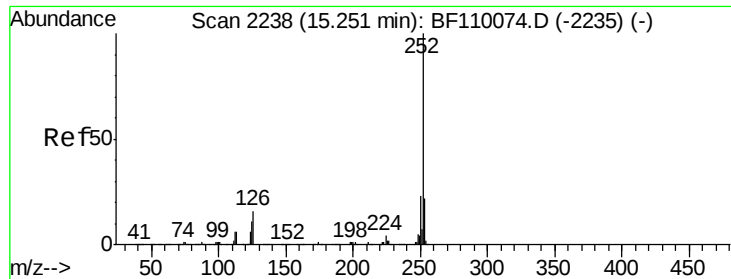


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 12.574 ng

RT: 15.22 min Scan# 2232

Delta R.T. -0.05 min

Lab File: BF110111.D

Acq: 24 Oct 2018 13:31

Instrument :

BNA_F

ClientSampled :

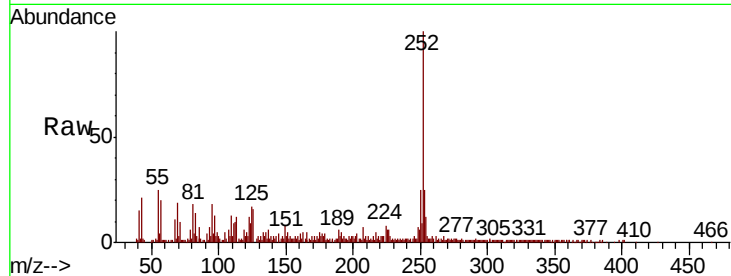
Tot Ion:252 Resp: 164979

Ion Ratio Lower Upper

252 100

253 24.9 17.2 25.8

125 16.6 7.4 11.0#

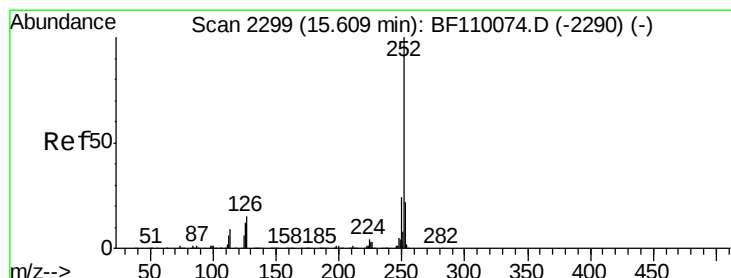
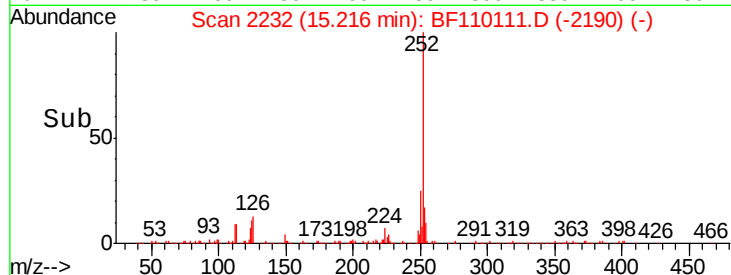
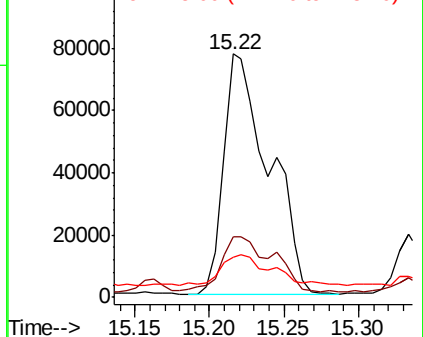


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Benzo(a)pyrene

Concen: 6.817 ng

RT: 15.60 min Scan# 2298

Delta R.T. -0.02 min

Lab File: BF110111.D

Acq: 24 Oct 2018 13:31

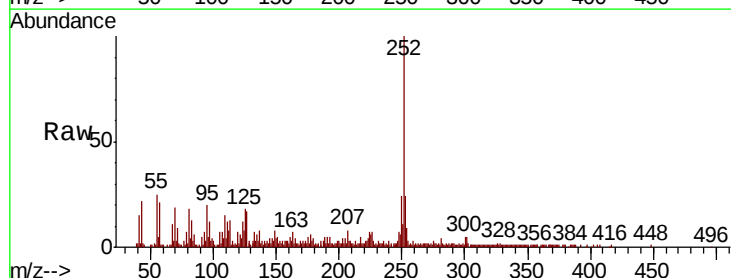
Tgt Ion:252 Resp: 83716

Ion Ratio Lower Upper

252 100

253 23.8 18.2 27.4

125 18.3 9.0 13.6#

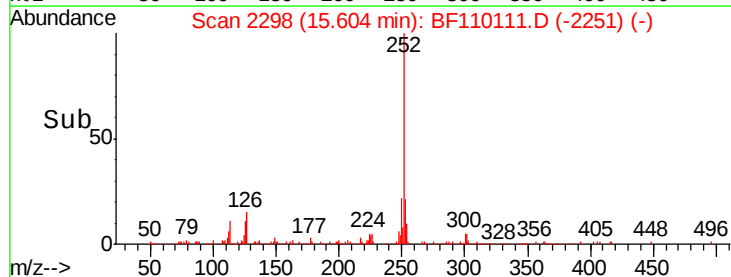
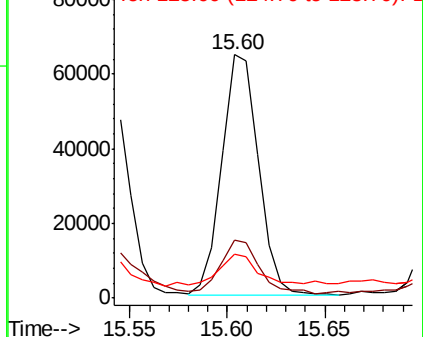


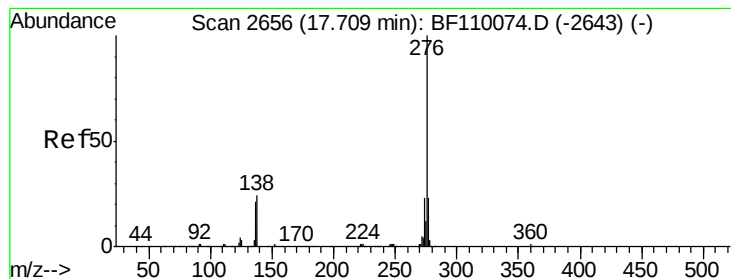
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#92

Benzo(a,h,i)perylene

Concen: 4.540 ng

RT: 17.72 min Scan# 2657

Delta R.T. -0.02 min

Lab File: BF110111.D

Acq: 24 Oct 2018 13:31

Instrument :

BNA_F

ClientSampleId :

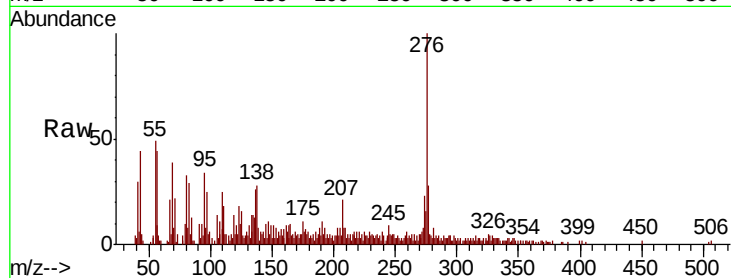
Tot Ion:276 Resp: 47411

Ion Ratio Lower Upper

276 100

277 27.9 18.8 28.2

138 28.4 16.0 24.0#



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

