

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111918\
 Data File : BF110850.D
 Acq On : 19 Nov 2018 13:58
 Operator : JU/SJ
 Sample : J5977-13
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 19 15:30:22 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 13 12:43:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.94	152	55918	20.00	ng	0.00
21) Naphthalene-d8	8.22	136	234162	20.00	ng	0.00
39) Acenaphthene-d10	9.98	164	110260	20.00	ng	-0.01
64) Phenanthrene-d10	11.47	188	195917	20.00	ng	-0.01
76) Chrysene-d12	14.13	240	122625	20.00	ng	-0.01
87) Perylene-d12	15.66	264	123254	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	359051	104.30	ng	0.00
7) Phenol-d6	6.57	99	457179	103.85	ng	0.00
23) Nitrobenzene-d5	7.50	82	290702	71.49	ng	-0.01
42) 2,4,6-Tribromophenol	10.77	330	112440	101.21	ng	-0.01
45) 2-Fluorobiphenyl	9.29	172	560081	72.55	ng	-0.01
79) Terphenyl-d14	13.06	244	440413	67.26	ng	-0.01

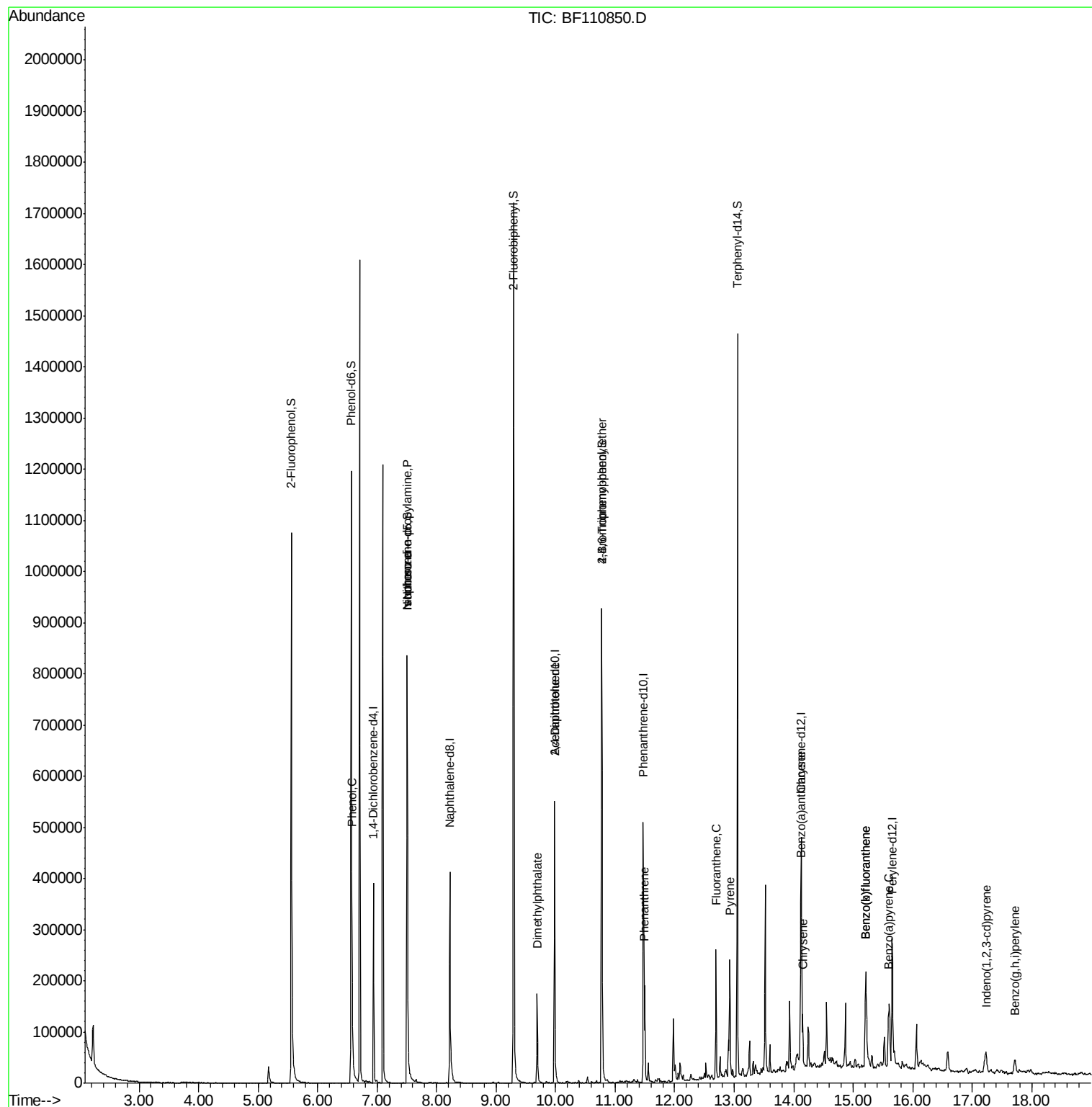
Target Compounds				Qvalue		
9) Benzaldehyde	6.57	77	757	Below Cal	#	1
10) Phenol	6.58	94	25688	5.032 ng	#	73
19) n-Nitroso-di-n-propylamine	7.50	70	38824	13.816 ng	#	81
25) Isophorone	7.50	82	290700	43.621 ng	#	67
50) Dimethylphthalate	9.69	163	95465	11.603 ng		98
57) 2,4-Dinitrotoluene	9.98	165	13830	5.877 ng	#	17
67) 4-Bromophenyl-phenylether	10.77	248	6833	3.156 ng	#	1
71) Phenanthrene	11.50	178	71502	6.812 ng		99
75) Fluoranthene	12.69	202	103541	9.839 ng		98
78) Pyrene	12.93	202	93142	9.865 ng		96
81) Benzo(a)anthracene	14.12	228	48203	6.577 ng		96
83) Chrysene	14.16	228	43179	6.184 ng		96
86) Indeno(1,2,3-cd)pyrene	17.23	276	28113	5.611 ng		99
88) Benzo(b)fluoranthene	15.20	252	79567	10.791 ng	#	96
89) Benzo(k)fluoranthene	15.20	252	79567	10.921 ng	#	95
90) Benzo(a)pyrene	15.59	252	44858	6.696 ng		96
92) Benzo(a,h,i)perylene	17.72	276	25841	4.594 ng		96

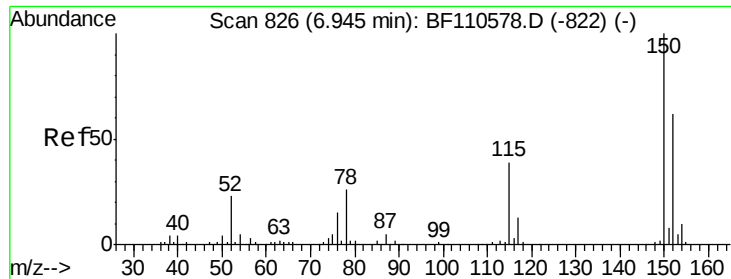
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111918\
Data File : BF110850.D
Acq On : 19 Nov 2018 13:58
Operator : JU/SJ
Sample : J5977-13
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Nov 19 15:30:22 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 13 12:43:10 2018
Response via : Initial Calibration



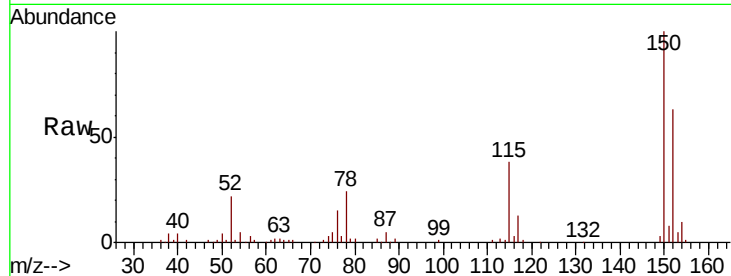


#1

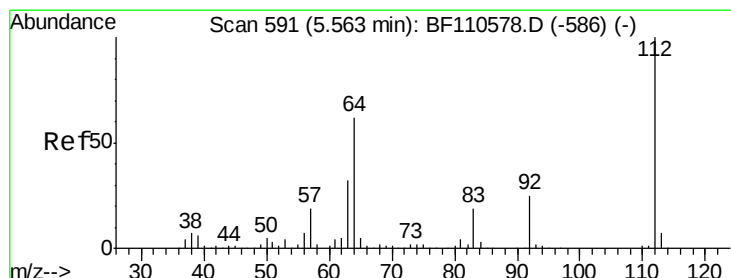
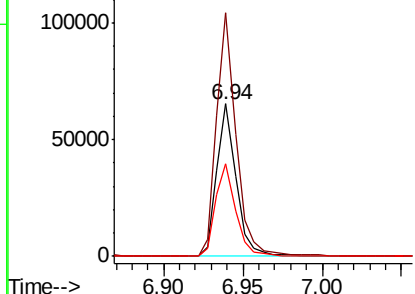
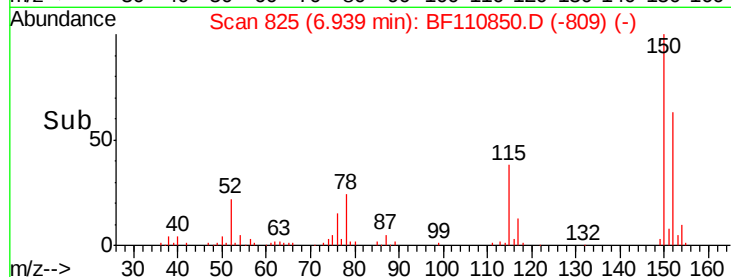
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.94 min Scan# 825
Delta R.T. -0.01 min
Lab File: BF110850.D
Acq: 19 Nov 2018 13:58

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 55918
Ion Ratio Lower Upper
152 100
150 159.7 122.7 184.1
115 61.1 49.1 73.7



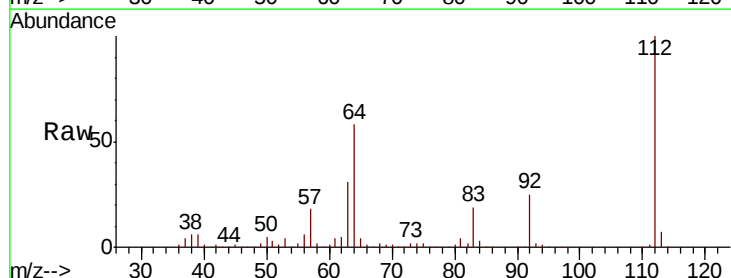
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



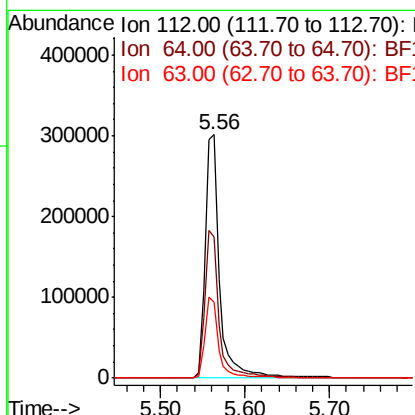
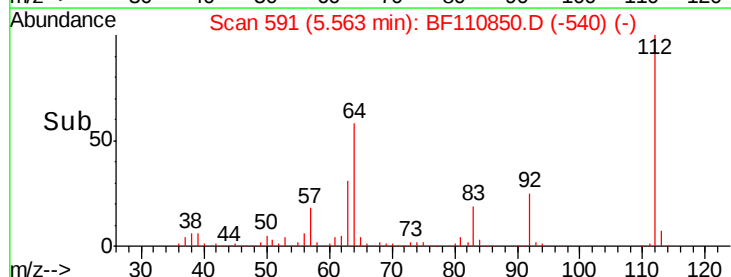
#5

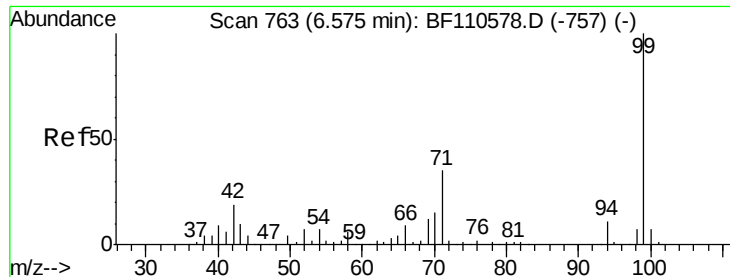
2-Fluorophenol
Concen: 104.298 ng
RT: 5.56 min Scan# 591
Delta R.T. -0.00 min
Lab File: BF110850.D
Acq: 19 Nov 2018 13:58

Tgt Ion:112 Resp: 359051
Ion Ratio Lower Upper
112 100
64 57.9 44.1 66.1
63 31.3 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: 103.852 ng

RT: 6.57 min Scan# 762

Delta R.T. -0.01 min

Lab File: BF110850.D

Acq: 19 Nov 2018 13:58

Instrument :

BNA_F

ClientSampled :

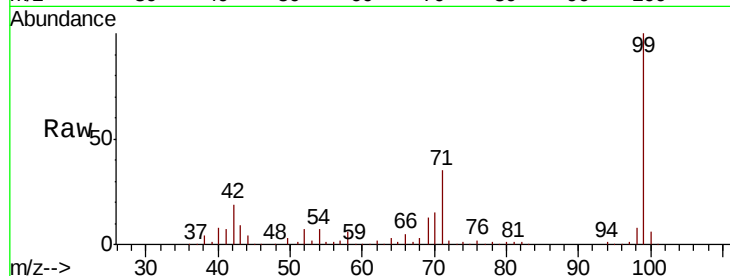
Tot Ion: 99 Resp: 457179

Ion Ratio Lower Upper

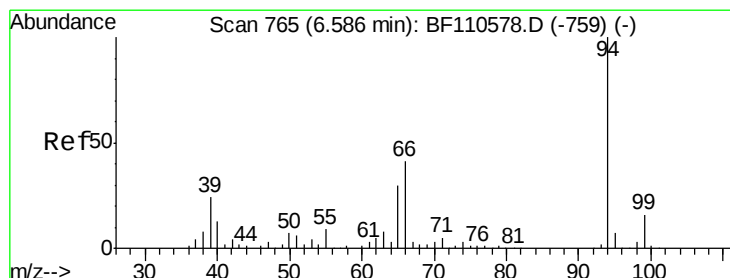
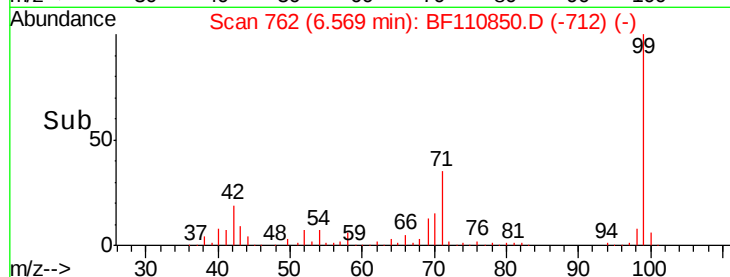
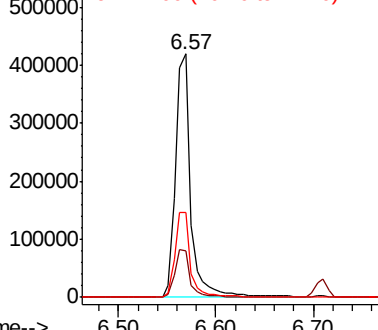
99 100

42 19.3 15.8 23.6

71 35.1 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: 5.032 ng

RT: 6.58 min Scan# 764

Delta R.T. -0.01 min

Lab File: BF110850.D

Acq: 19 Nov 2018 13:58

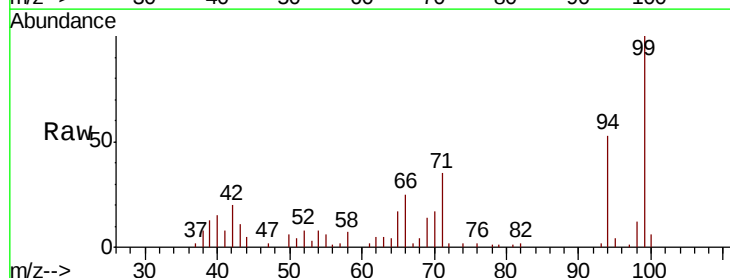
Tgt Ion: 94 Resp: 25688

Ion Ratio Lower Upper

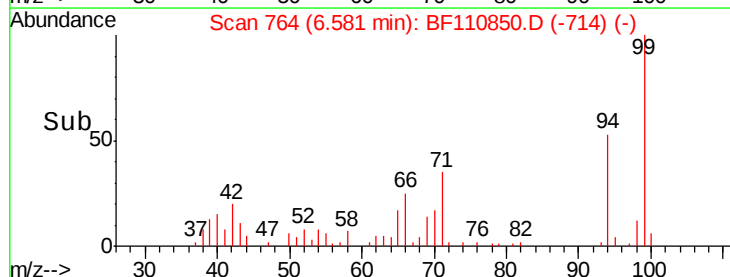
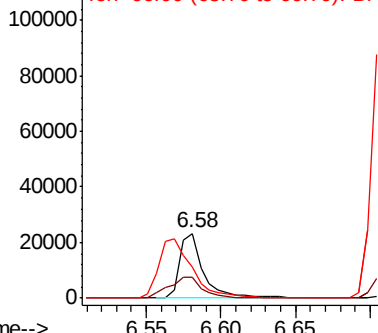
94 100

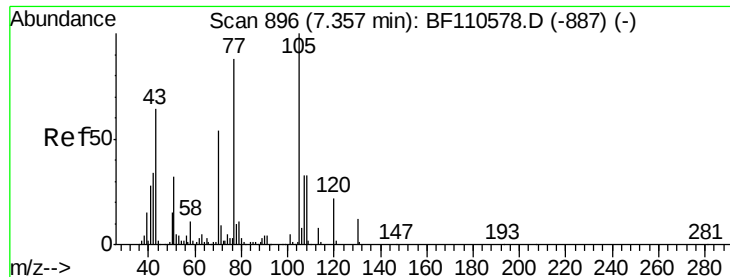
65 31.9 25.3 65.3

66 48.1 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

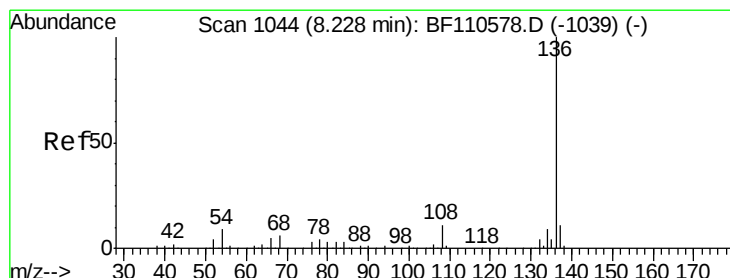
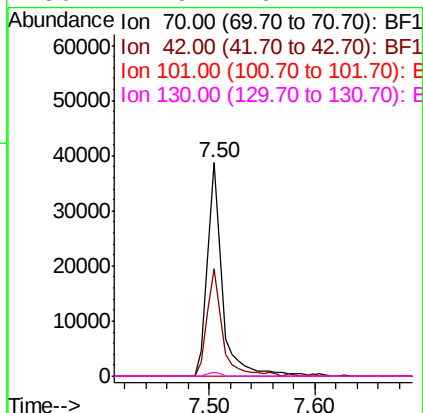
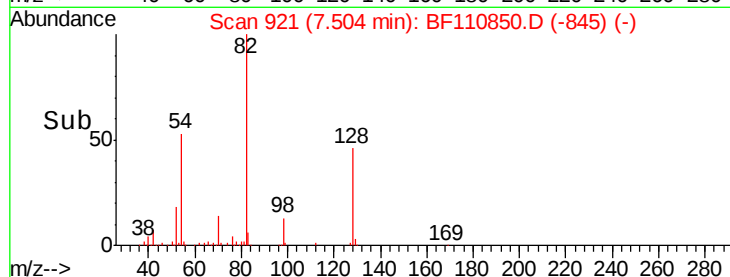
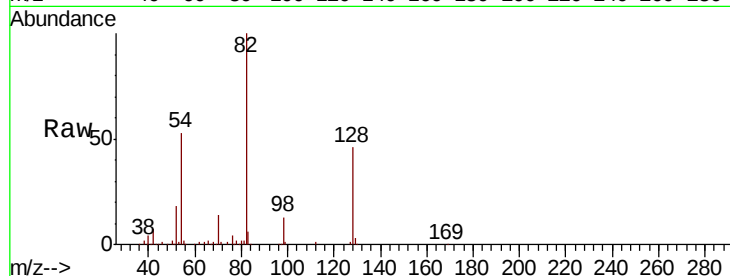




#19
n-Nitroso-di-n-propylamine
Concen: 13.816 ng
RT: 7.50 min Scan# 921
Delta R.T. 0.15 min
Lab File: BF110850.D
Acq: 19 Nov 2018 13:58

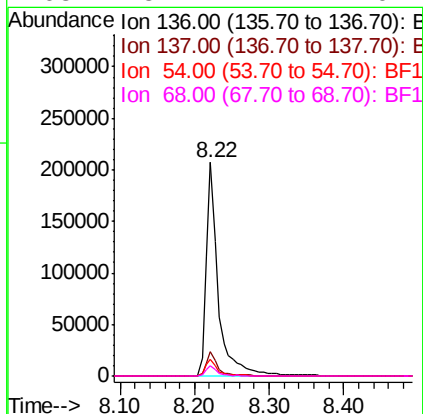
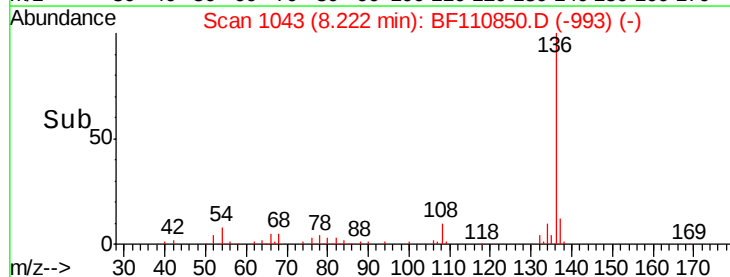
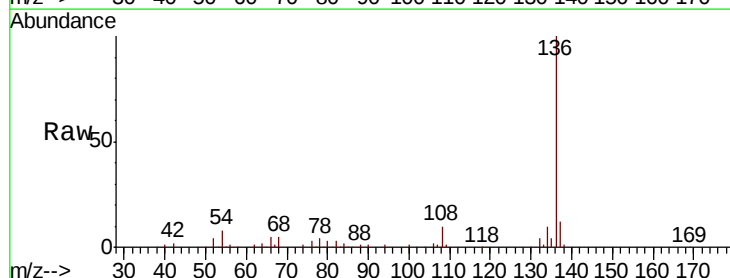
Instrument :
BNA_F
ClientSampleId :

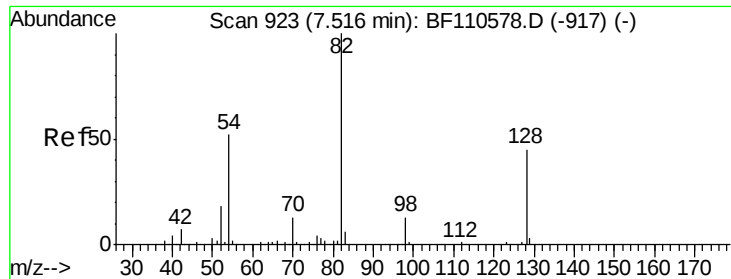
Tot Ion: 70 Resp: 38824
Ion Ratio Lower Upper
70 100
42 50.5 47.4 71.2
101 0.0 7.3 10.9#
130 1.9 16.2 24.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.22 min Scan# 1043
Delta R.T. -0.01 min
Lab File: BF110850.D
Acq: 19 Nov 2018 13:58

Tgt Ion: 136 Resp: 234162
Ion Ratio Lower Upper
136 100
137 11.6 8.8 13.2
54 8.0 5.4 8.2
68 5.1 4.2 6.2

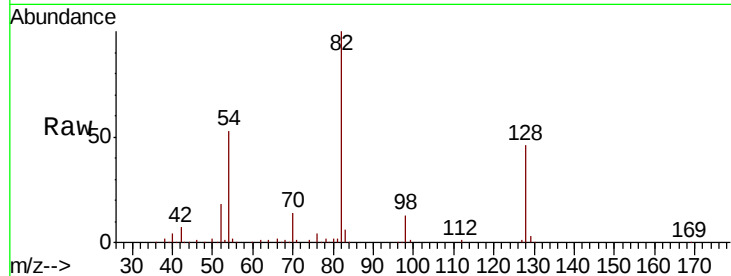




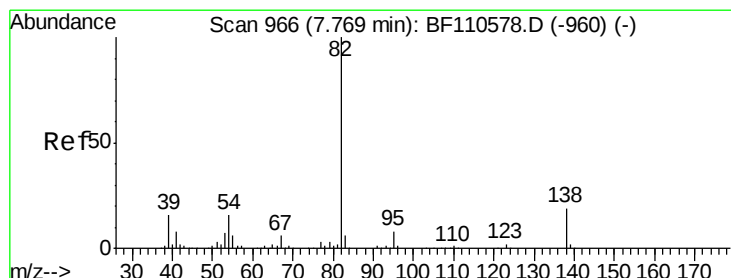
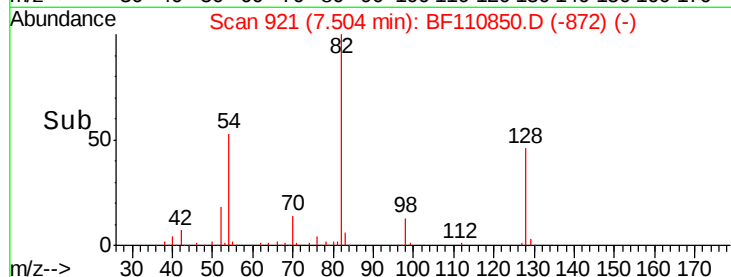
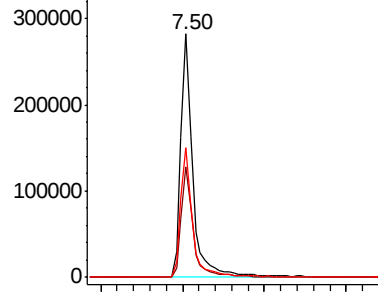
#23
Nitrobenzene-d5
Concen: 71.495 ng
RT: 7.50 min Scan# 921
Delta R.T. -0.01 min
Lab File: BF110850.D
Acq: 19 Nov 2018 13:58

Instrument :
BNA_F
ClientSampleId :

Tot Ion	82	Resp	290702
Ion Ratio	Lower	Upper	
82	100		
128	45.5	34.2	51.2
54	53.2	38.6	58.0

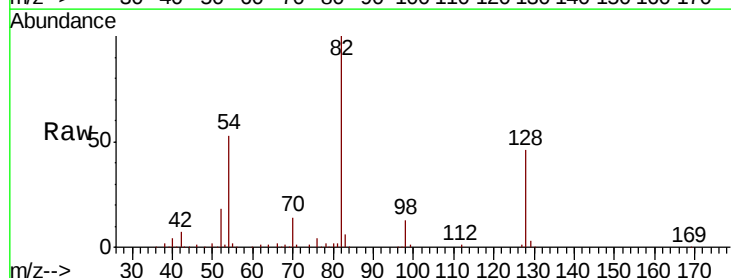


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

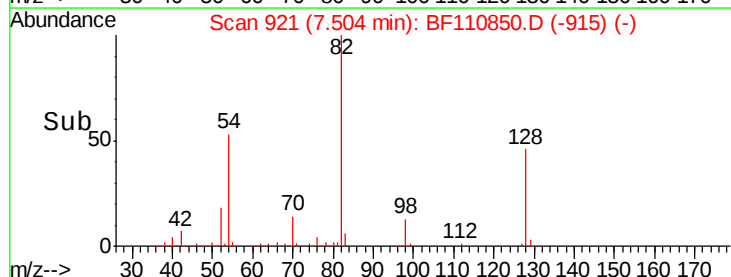
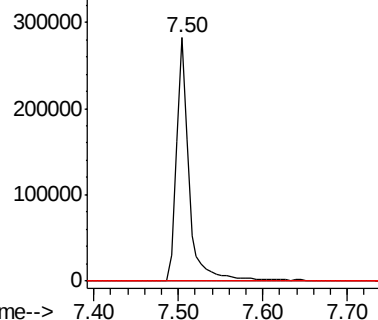


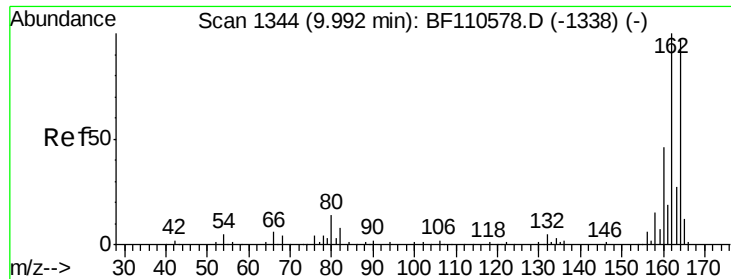
#25
Isophorone
Concen: 43.621 ng
RT: 7.50 min Scan# 921
Delta R.T. -0.26 min
Lab File: BF110850.D
Acq: 19 Nov 2018 13:58

Tgt Ion	82	Resp	290700
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

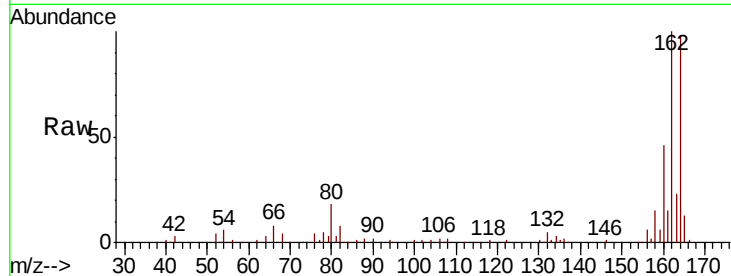




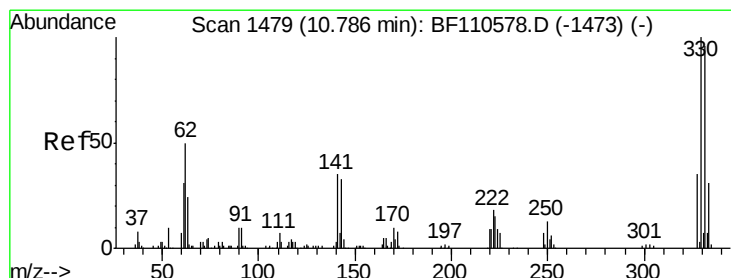
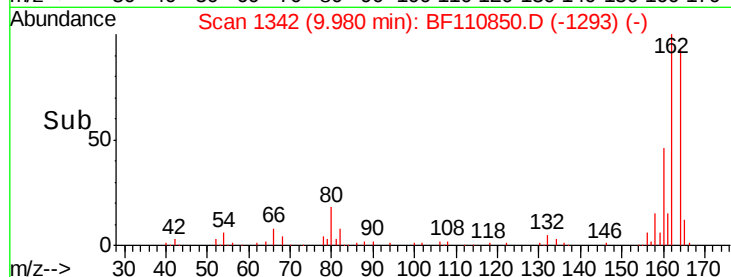
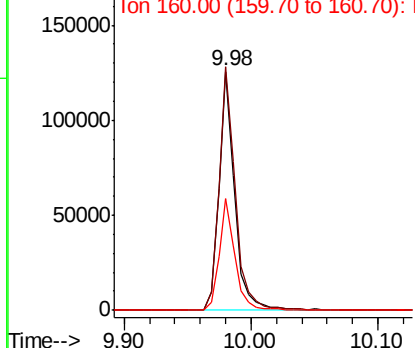
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.98 min Scan# 1342
Delta R.T. -0.01 min
Lab File: BF110850.D
Acq: 19 Nov 2018 13:58

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 110260
Ion Ratio Lower Upper
164 100
162 102.1 83.0 124.6
160 46.8 37.0 55.6

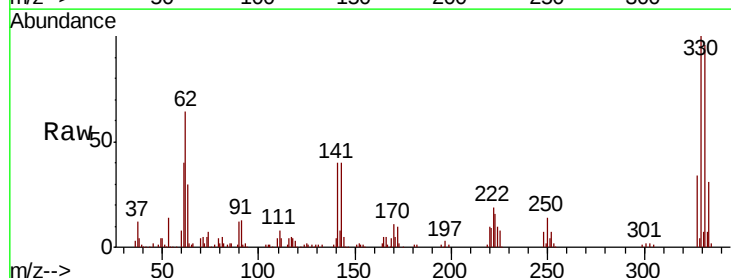


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

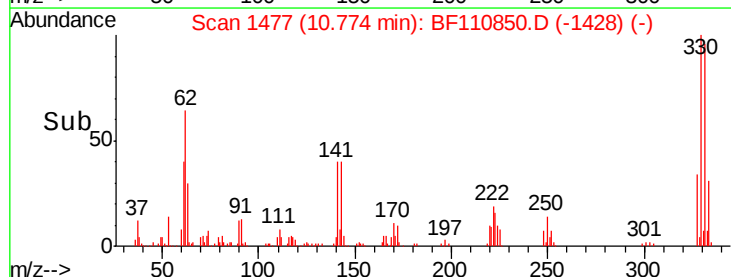
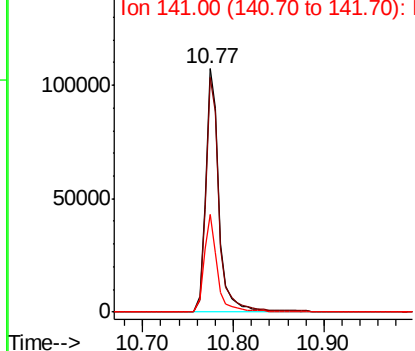


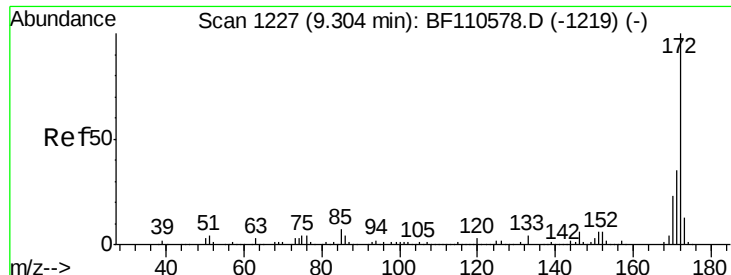
#42
2,4,6-Tribromophenol
Concen: 101.205 ng
RT: 10.77 min Scan# 1477
Delta R.T. -0.01 min
Lab File: BF110850.D
Acq: 19 Nov 2018 13:58

Tgt Ion:330 Resp: 112440
Ion Ratio Lower Upper
330 100
332 96.9 77.1 115.7
141 38.8 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

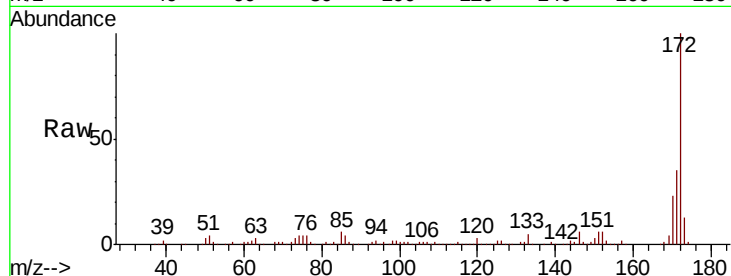




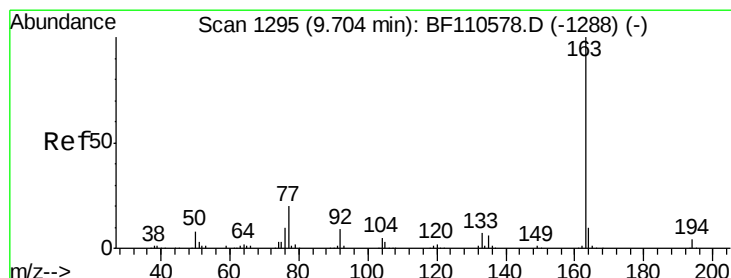
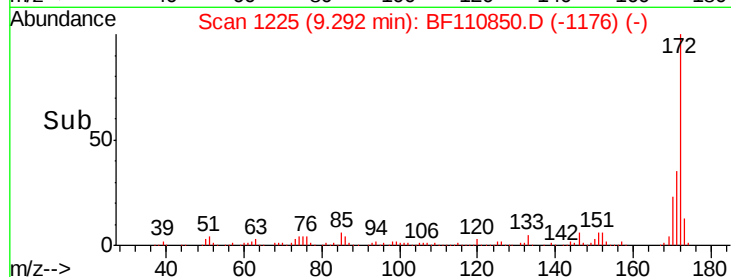
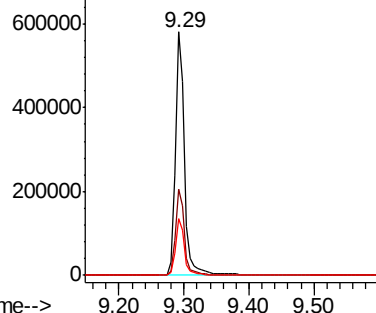
#45
2-Fluorobiphenyl
Concen: 72.546 ng
RT: 9.29 min Scan# 1225
Delta R.T. -0.01 min
Lab File: BF110850.D
Acq: 19 Nov 2018 13:58

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 560081
Ion Ratio Lower Upper
172 100
171 35.3 28.6 43.0
170 23.4 19.7 29.5

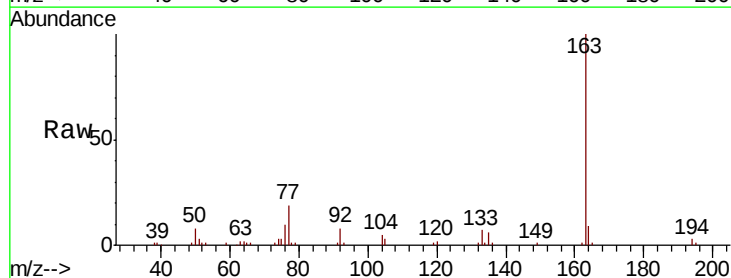


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

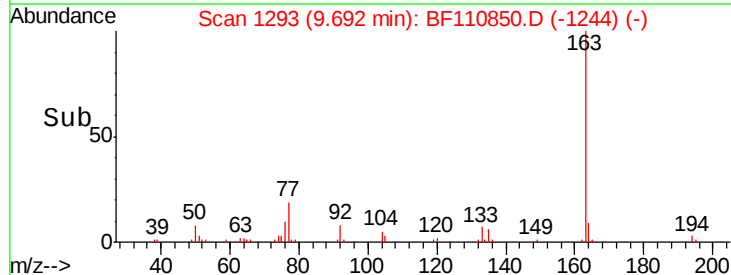
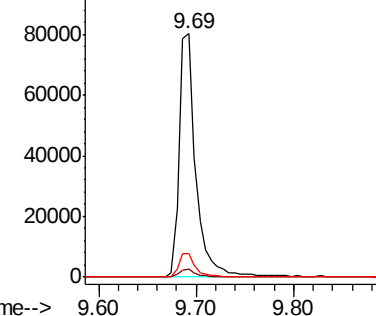


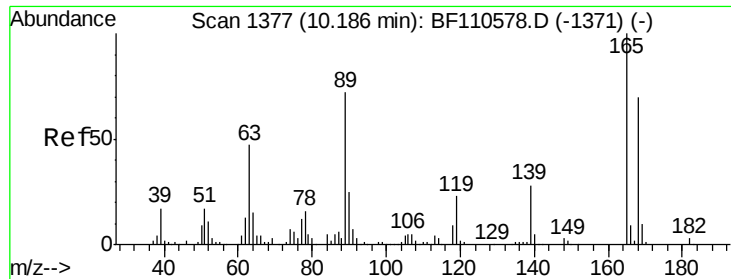
#50
Dimethylphthalate
Concen: 11.603 ng
RT: 9.69 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BF110850.D
Acq: 19 Nov 2018 13:58

Tgt Ion:163 Resp: 95465
Ion Ratio Lower Upper
163 100
194 3.5 3.2 4.8
164 9.4 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: 5.877 ng

RT: 9.98 min Scan# 1342

Delta R.T. -0.21 min

Lab File: BF110850.D

Acq: 19 Nov 2018 13:58

Instrument :

BNA_F

ClientSampled :

Tot Ion:165 Resp: 13830

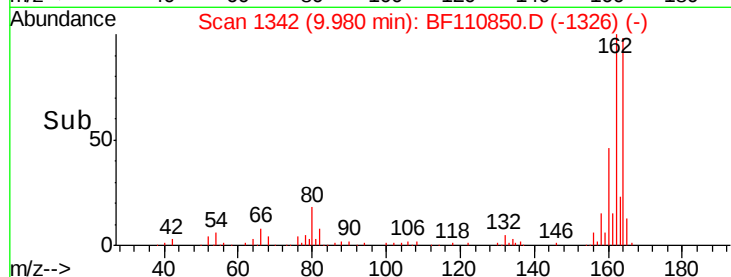
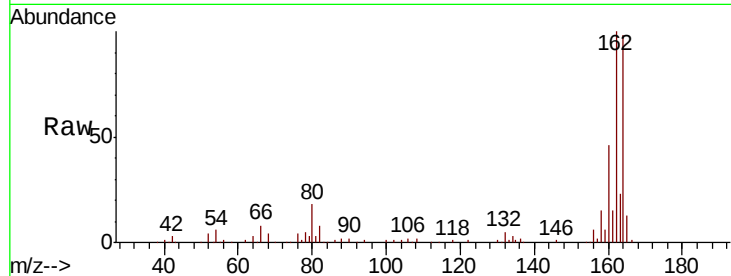
Ion Ratio Lower Upper

165 100

63 0.0 44.8 67.2#

89 0.0 62.2 93.4#

182 0.0 2.1 3.1#

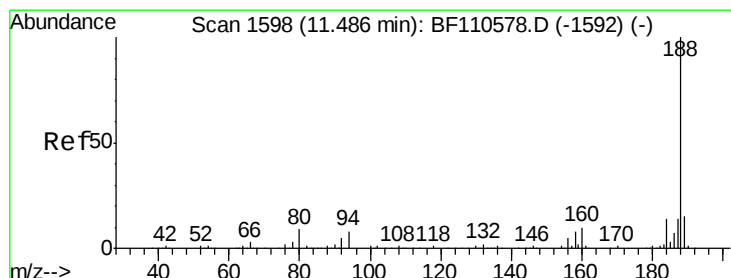
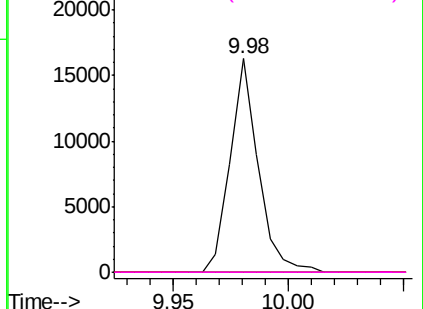


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.47 min Scan# 1596

Delta R.T. -0.01 min

Lab File: BF110850.D

Acq: 19 Nov 2018 13:58

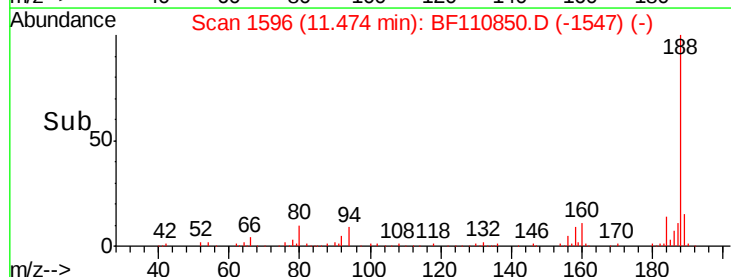
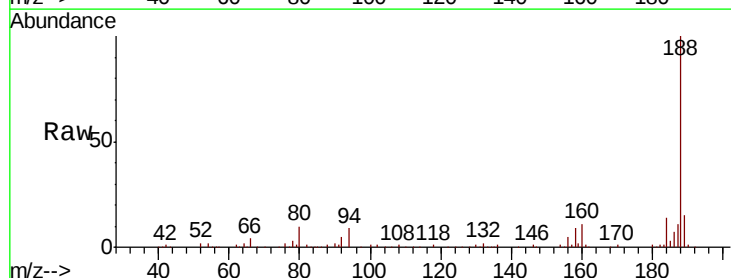
Tgt Ion:188 Resp: 195917

Ion Ratio Lower Upper

188 100

94 8.8 7.2 10.8

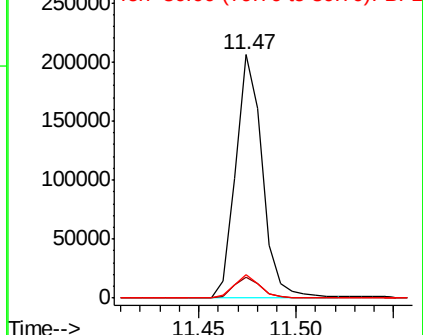
80 9.6 7.9 11.9

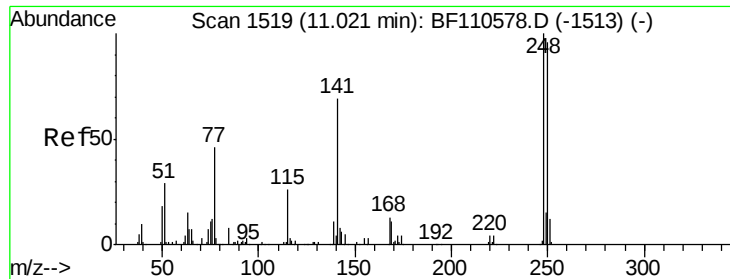


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

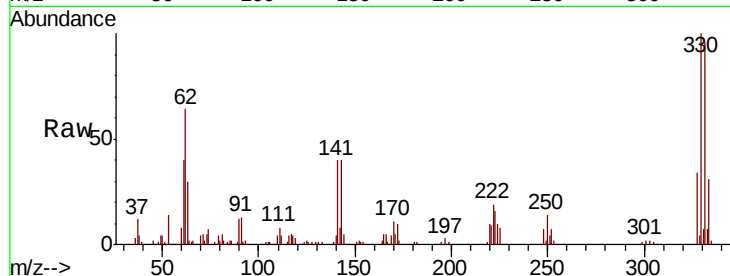




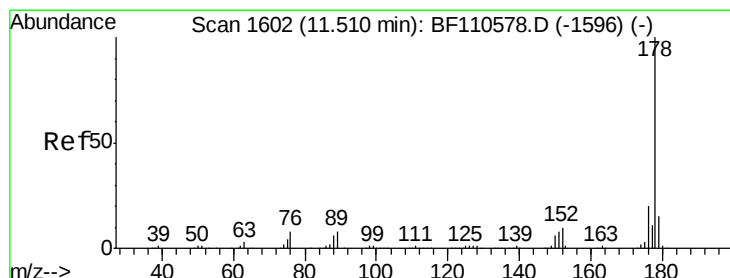
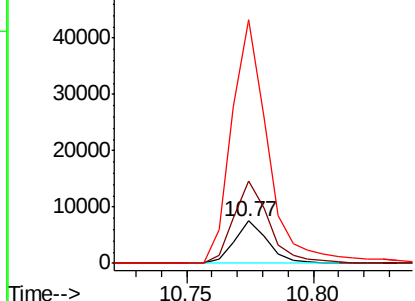
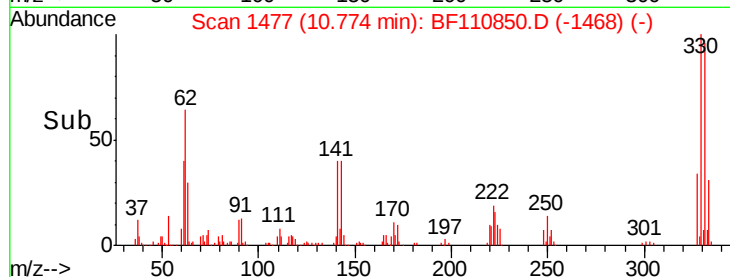
#67
4-Bromophenyl-phenylether
Concen: 3.156 ng
RT: 10.77 min Scan# 1477
Delta R.T. -0.25 min
Lab File: BF110850.D
Acq: 19 Nov 2018 13:58

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 6833
Ion Ratio Lower Upper
248 100
250 195.4 79.4 119.2#
141 576.7 55.9 83.9#

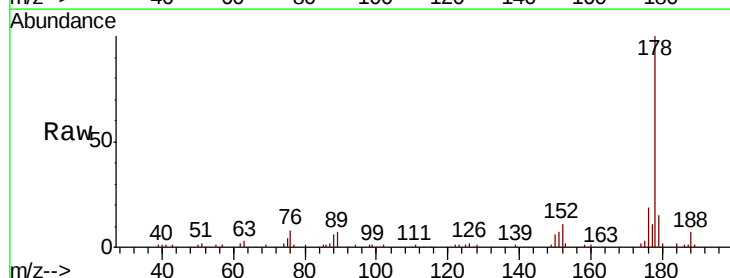


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

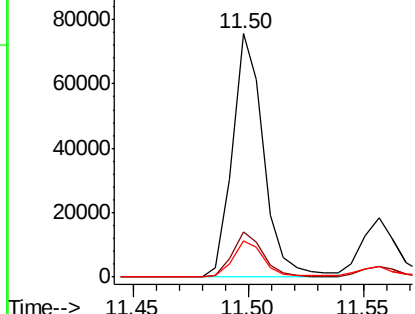
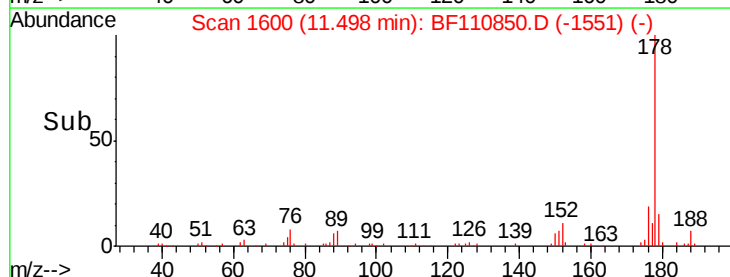


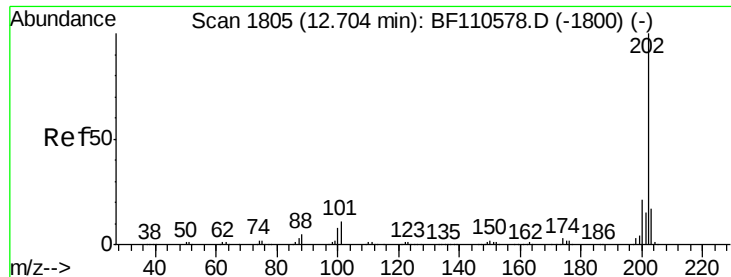
#71
Phenanthrene
Concen: 6.812 ng
RT: 11.50 min Scan# 1600
Delta R.T. -0.01 min
Lab File: BF110850.D
Acq: 19 Nov 2018 13:58

Tgt Ion:178 Resp: 71502
Ion Ratio Lower Upper
178 100
176 18.7 15.5 23.3
179 15.1 12.5 18.7



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





#75

Fluoranthene

Concen: 9.839 ng

RT: 12.69 min Scan# 1803

Delta R.T. -0.01 min

Lab File: BF110850.D

Acq: 19 Nov 2018 13:58

Instrument :

BNA_F

ClientSampled :

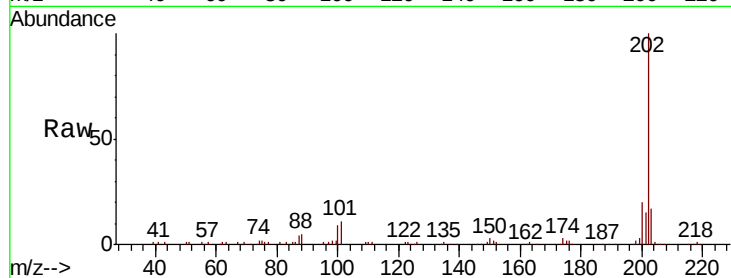
Tot Ion:202 Resp: 103541

Ion Ratio Lower Upper

202 100

101 10.9 0.0 31.4

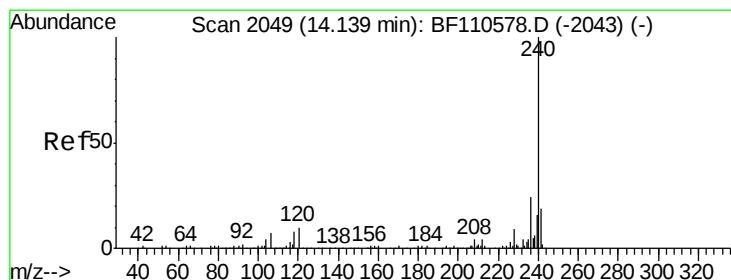
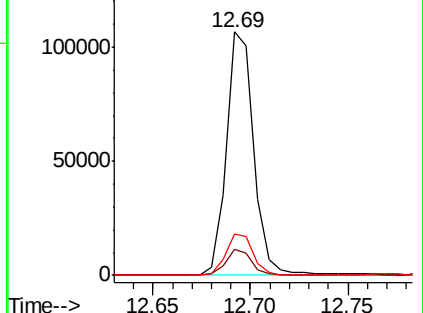
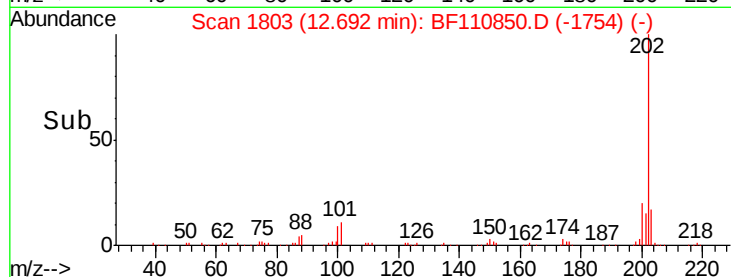
203 16.8 0.0 37.7



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: BF110850.D

Acq: 19 Nov 2018 13:58

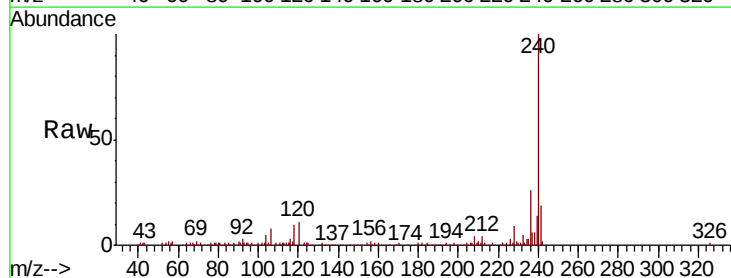
Tgt Ion:240 Resp: 122625

Ion Ratio Lower Upper

240 100

120 11.4 8.3 12.5

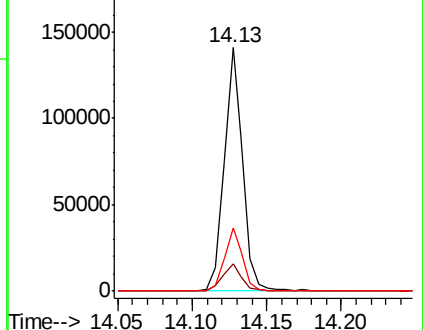
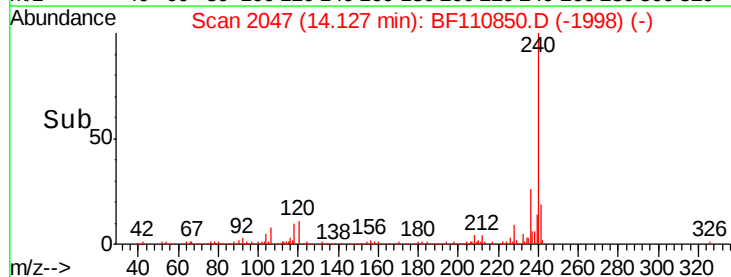
236 26.0 21.2 31.8

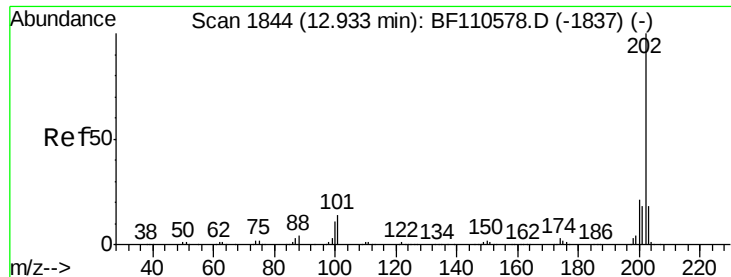


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

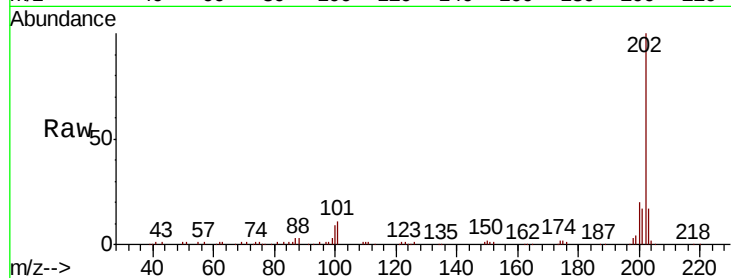




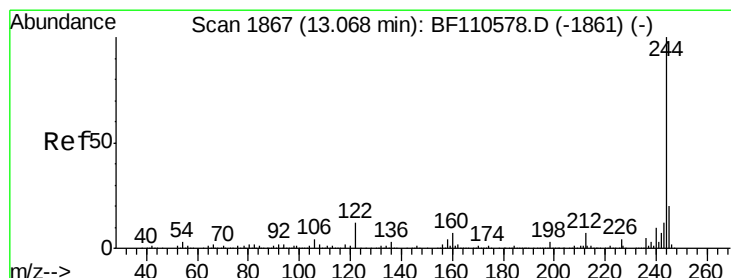
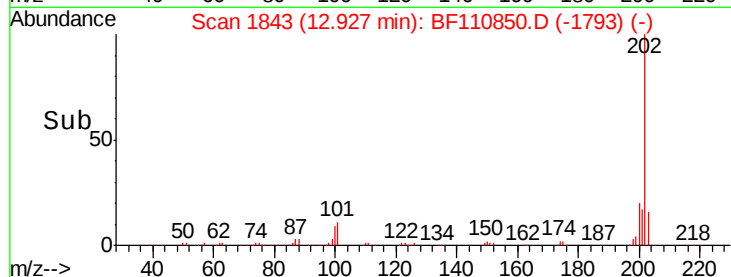
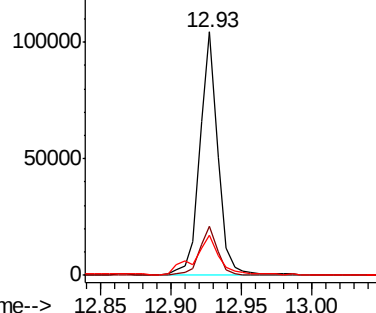
#78
Pvrene
Concen: 9.865 ng
RT: 12.93 min Scan# 1843
Delta R.T. -0.01 min
Lab File: BF110850.D
Acq: 19 Nov 2018 13:58

Instrument :
BNA_F
ClientSampled :

Tot Ion:202 Resp: 93142
Ion Ratio Lower Upper
202 100
200 20.2 17.8 26.6
203 16.6 14.2 21.4

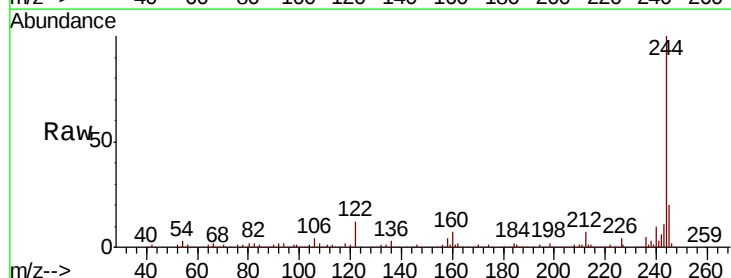


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

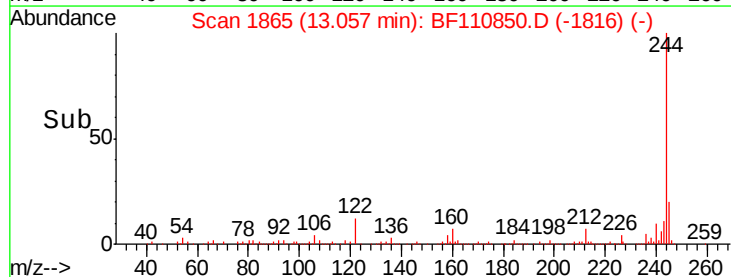
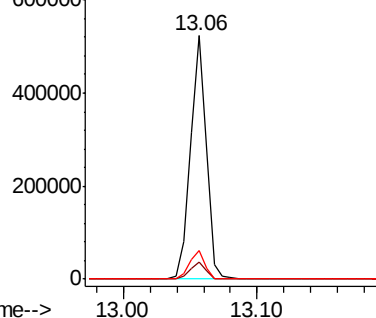


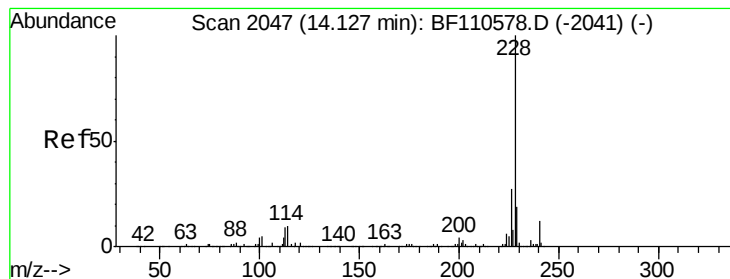
#79
Terphenyl-d14
Concen: 67.261 ng
RT: 13.06 min Scan# 1865
Delta R.T. -0.01 min
Lab File: BF110850.D
Acq: 19 Nov 2018 13:58

Tgt Ion:244 Resp: 440413
Ion Ratio Lower Upper
244 100
212 6.9 5.8 8.8
122 11.8 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





#81

Benzo(a)anthracene

Concen: 6.577 ng

RT: 14.12 min Scan# 2045

Delta R.T. -0.01 min

Lab File: BF110850.D

Acq: 19 Nov 2018 13:58

Instrument :

BNA_F

ClientSampleId :

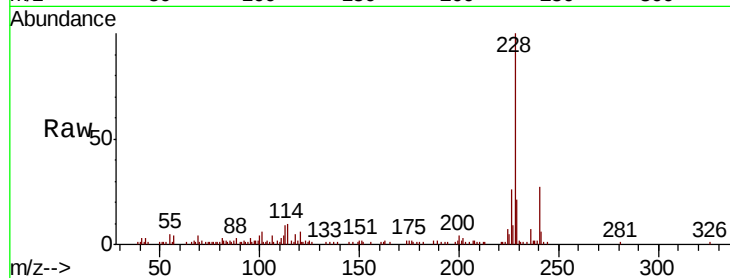
Tot Ion:228 Resp: 48203

Ion Ratio Lower Upper

228 100

226 25.6 22.1 33.1

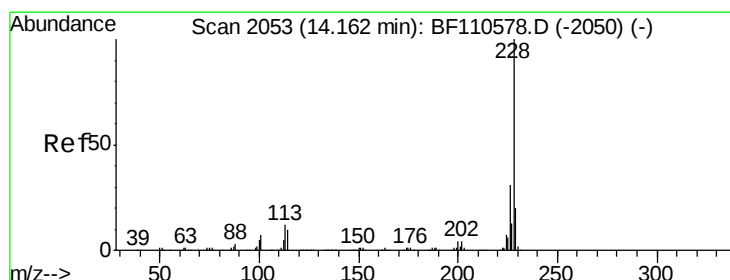
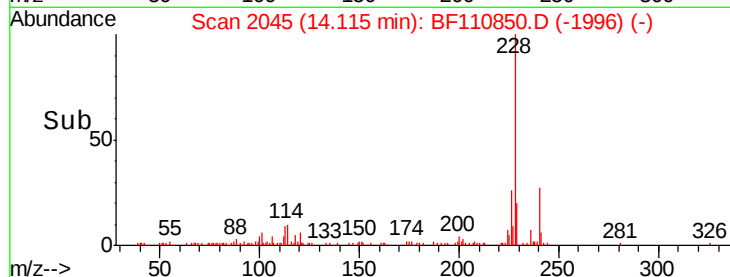
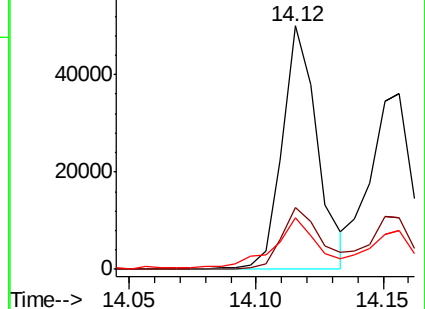
229 21.1 15.6 23.4



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



#83

Chrysene

Concen: 6.184 ng

RT: 14.16 min Scan# 2052

Delta R.T. -0.01 min

Lab File: BF110850.D

Acq: 19 Nov 2018 13:58

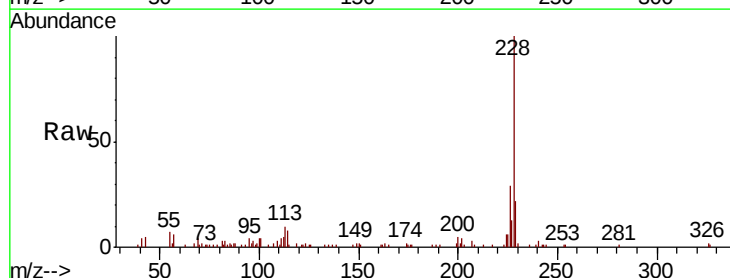
Tgt Ion:228 Resp: 43179

Ion Ratio Lower Upper

228 100

226 29.3 24.7 37.1

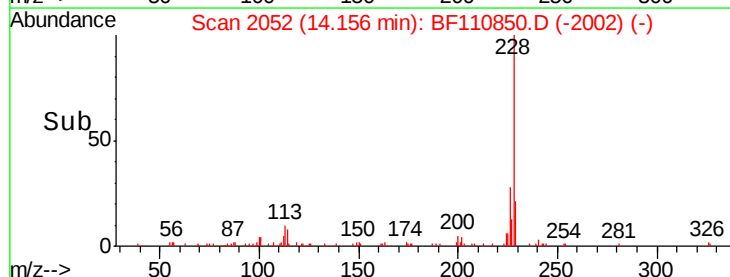
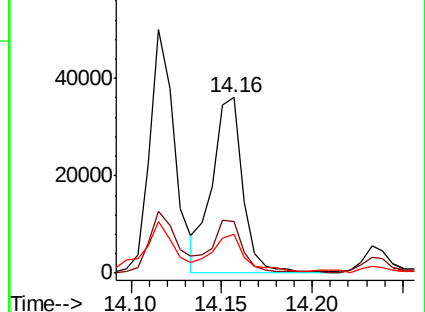
229 22.2 15.9 23.9

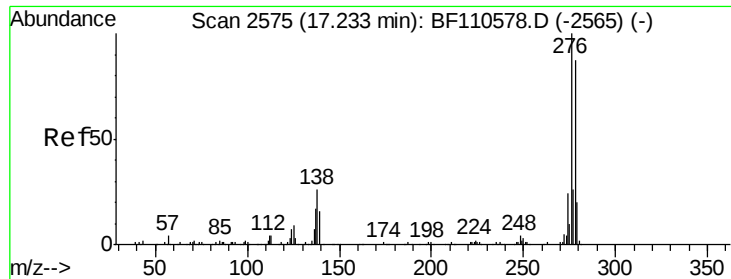


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

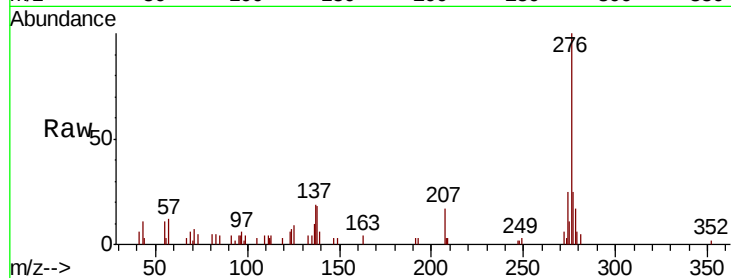




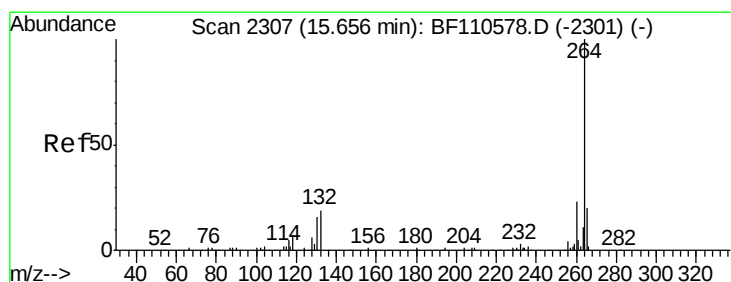
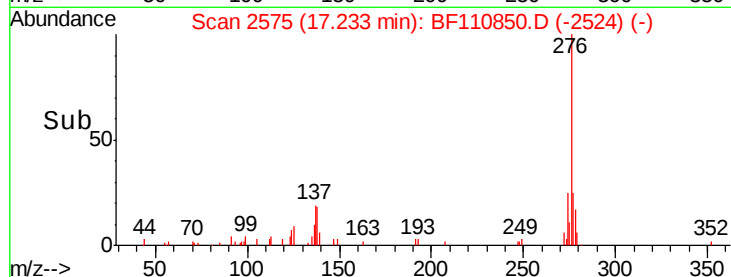
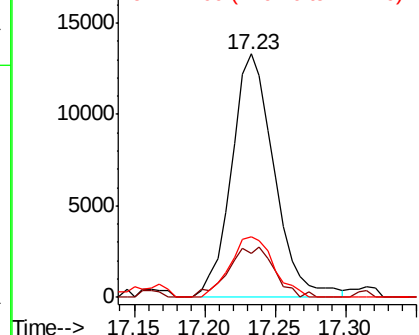
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 5.611 ng
 RT: 17.23 min Scan# 2575
 Delta R.T. -0.00 min
 Lab File: BF110850.D
 Acq: 19 Nov 2018 13:58

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	22.1	18.5	27.7
277	25.3	20.0	30.0

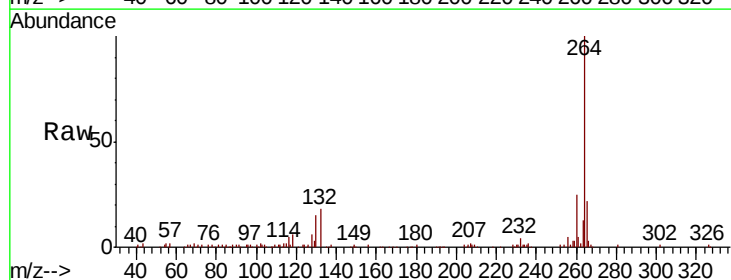


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

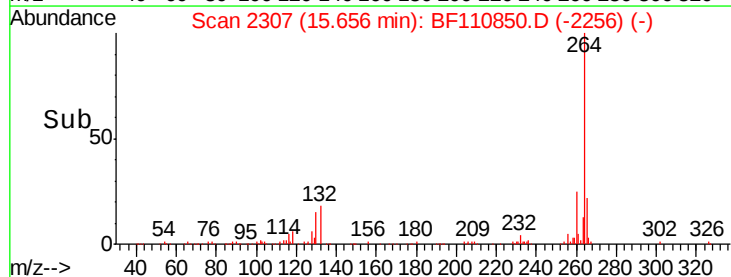
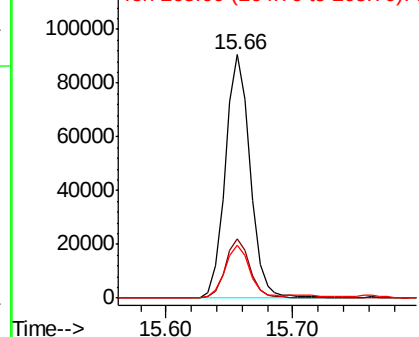


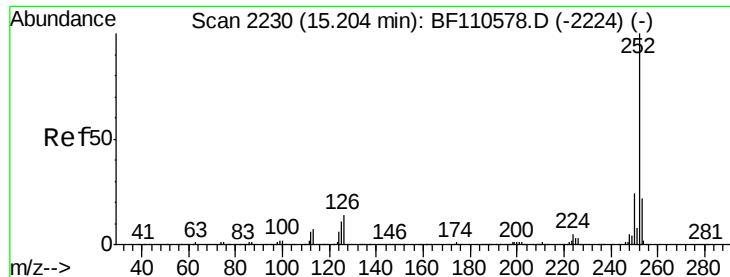
#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.66 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: BF110850.D
 Acq: 19 Nov 2018 13:58

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.5	18.7	28.1
265	21.8	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

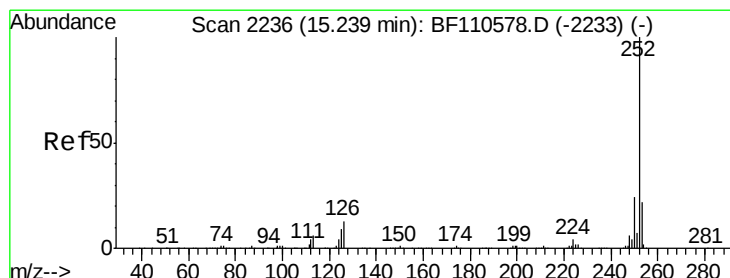
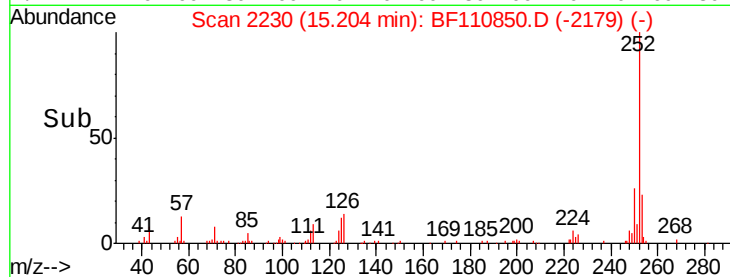
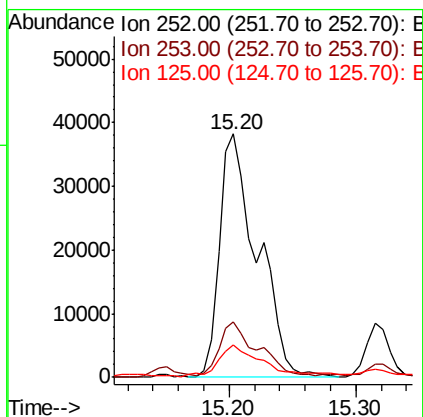
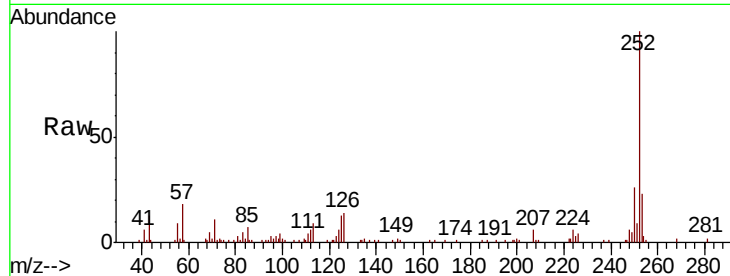




#88
Benzo(b)fluoranthene
Concen: 10.791 ng
RT: 15.20 min Scan# 2230
Delta R.T. -0.00 min
Lab File: BF110850.D
Acq: 19 Nov 2018 13:58

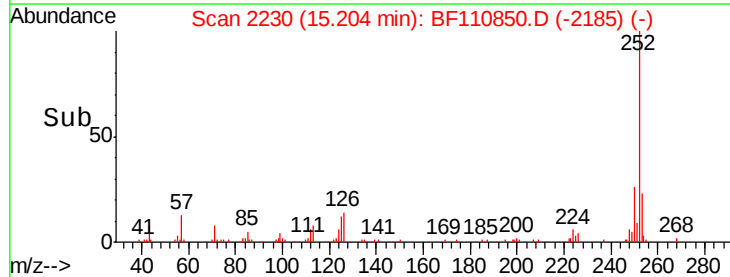
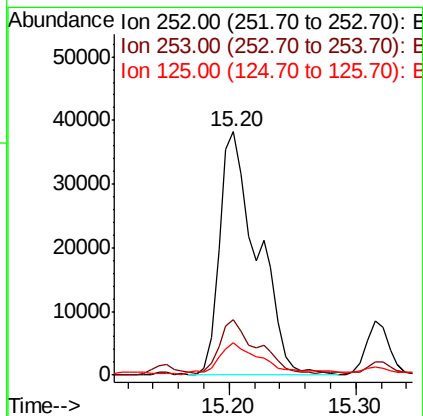
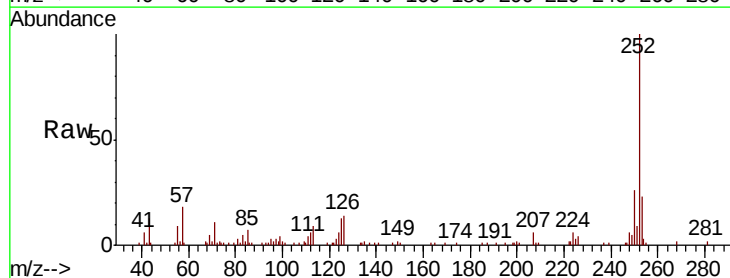
Instrument :
BNA_F
ClientSampleId :

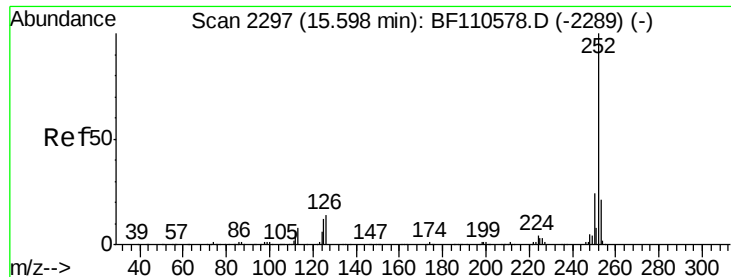
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.2	25.8
125	13.5	8.2	12.4



#89
Benzo(k)fluoranthene
Concen: 10.921 ng
RT: 15.20 min Scan# 2230
Delta R.T. -0.04 min
Lab File: BF110850.D
Acq: 19 Nov 2018 13:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.2	25.8
125	13.5	7.4	11.0





#90

Benzo(a)pyrene

Concen: 6.696 ng

RT: 15.59 min Scan# 2296

Delta R.T. -0.01 min

Lab File: BF110850.D

Acq: 19 Nov 2018 13:58

Instrument :

BNA_F

ClientSampled :

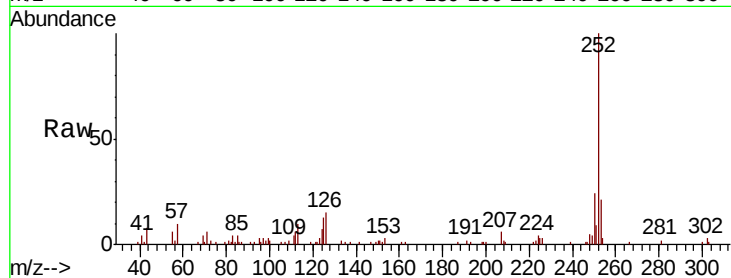
Tot Ion:252 Resp: 44858

Ion Ratio Lower Upper

252 100

253 21.1 18.2 27.4

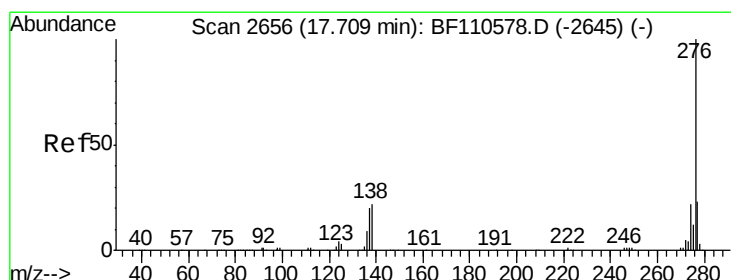
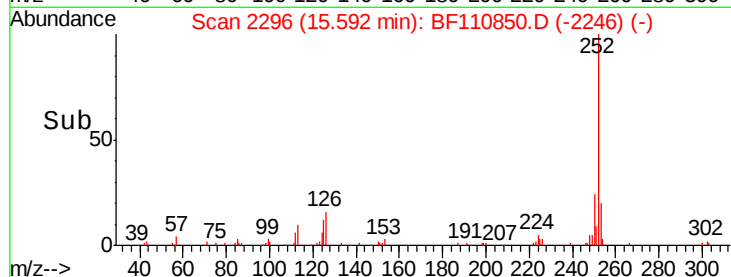
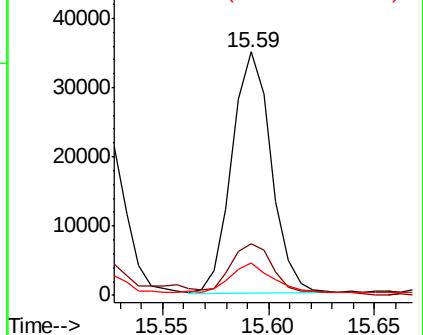
125 13.1 9.0 13.6



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(g,h,i)perylene

Concen: 4.594 ng

RT: 17.72 min Scan# 2657

Delta R.T. 0.01 min

Lab File: BF110850.D

Acq: 19 Nov 2018 13:58

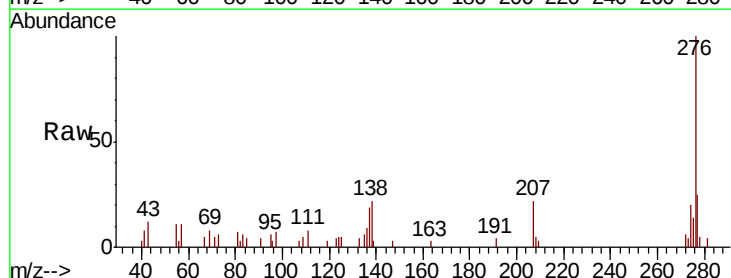
Tgt Ion:276 Resp: 25841

Ion Ratio Lower Upper

276 100

277 24.9 18.8 28.2

138 22.4 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

