

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111918\
 Data File : BF110853.D
 Acq On : 19 Nov 2018 15:18
 Operator : JU/SJ
 Sample : J5981-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 19 16:20:52 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	57715	20.00	ng	0.00
21) Naphthalene-d8	8.22	136	231635	20.00	ng	0.00
39) Acenaphthene-d10	9.98	164	104495	20.00	ng	-0.01
64) Phenanthrene-d10	11.47	188	167653	20.00	ng	-0.01
76) Chrysene-d12	14.13	240	123643	20.00	ng	-0.01
87) Perylene-d12	15.66	264	120582	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.56	112	405457	114.11	ng	0.00
7) Phenol-d6	6.57	99	512798	112.86	ng	0.00
23) Nitrobenzene-d5	7.50	82	329982	82.04	ng	-0.01
42) 2,4,6-Tribromophenol	10.77	330	106289	100.95	ng	-0.01
45) 2-Fluorobiphenyl	9.29	172	522636	71.43	ng	-0.01
79) Terphenyl-d14	13.06	244	353733	53.58	ng	-0.01

Target Compounds

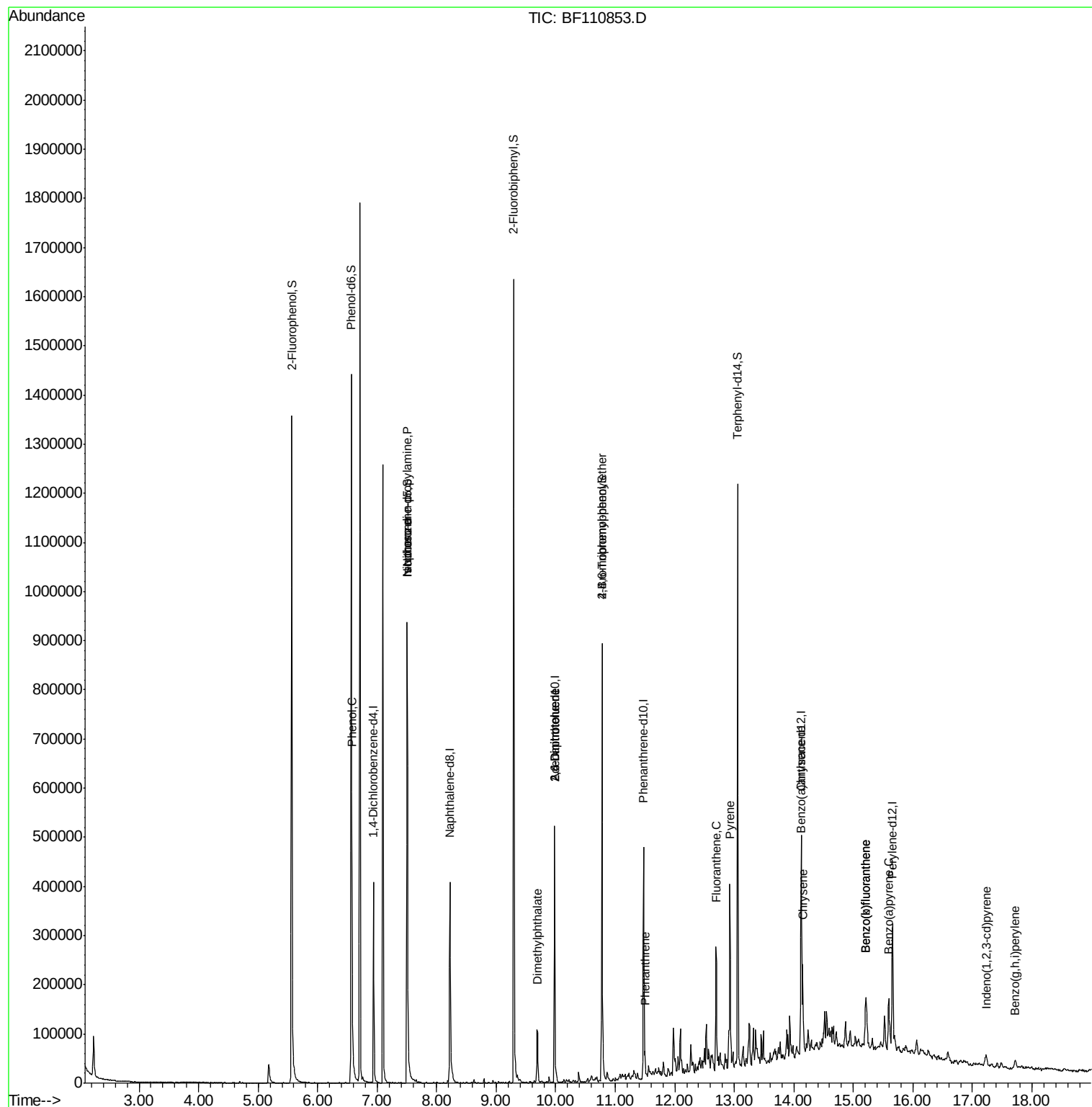
						Qvalue
9) Benzaldehyde	6.57	77	1047	Below Cal	#	1
10) Phenol	6.58	94	22863	4.339 ng	#	73
19) n-Nitroso-di-n-propylamine	7.50	70	43587	15.028 ng	#	80
25) Isophorone	7.50	82	329980	50.055 ng	#	67
50) Dimethylphthalate	9.69	163	55633	7.135 ng		98
51) 2,6-Dinitrotoluene	9.98	165	13420	7.824 ng	#	24
57) 2,4-Dinitrotoluene	9.98	165	13420	6.018 ng	#	20
67) 4-Bromophenyl-phenylether	10.77	248	6815	3.678 ng	#	1
71) Phenanthrene	11.50	178	17989	2.003 ng		97
75) Fluoranthene	12.69	202	97657	10.845 ng		99
78) Pyrene	12.93	202	147220	15.464 ng		98
81) Benzo(a)anthracene	14.12	228	72865	9.860 ng		98
83) Chrysene	14.16	228	71583	10.167 ng		99
86) Indeno(1,2,3-cd)pyrene	17.24	276	16344	3.235 ng	#	91
88) Benzo(b)fluoranthene	15.20	252	70823	9.818 ng	#	95
89) Benzo(k)fluoranthene	15.20	252	70823	9.936 ng	#	94
90) Benzo(a)pyrene	15.59	252	49321	7.525 ng		100
92) Benzo(g,h,i)perylene	17.72	276	15766	2.865 ng	#	91

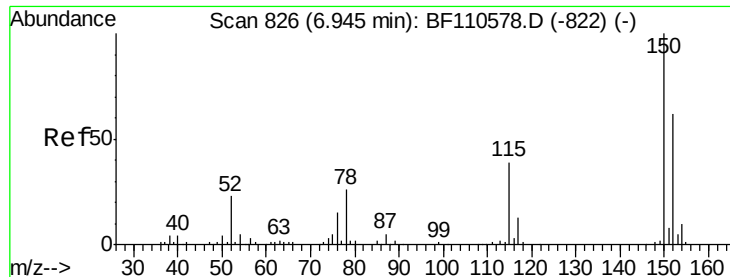
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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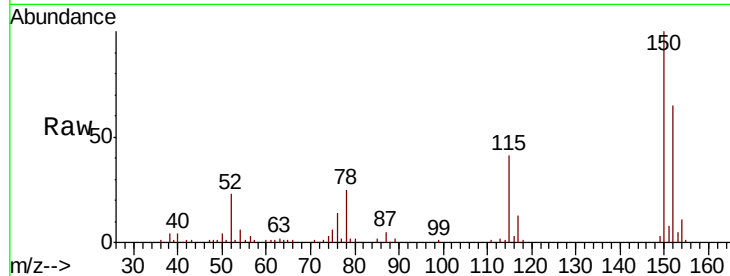


#1

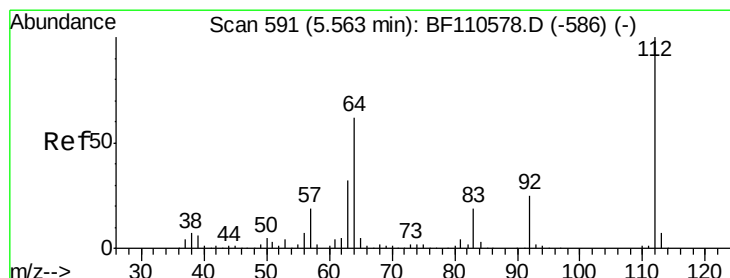
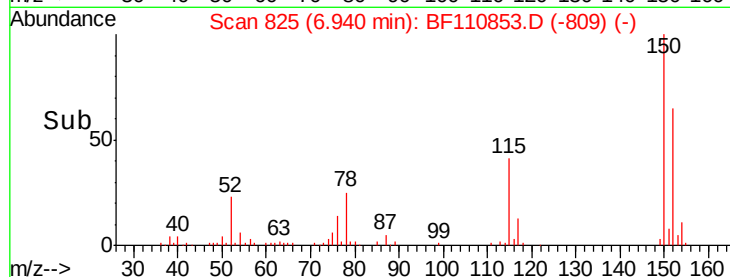
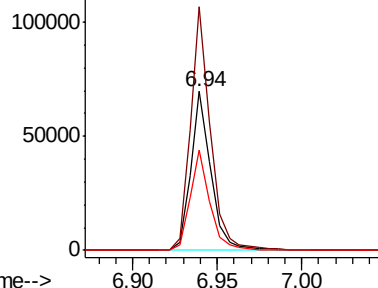
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.94 min Scan# 825
Delta R.T. -0.01 min
Lab File: BF110853.D
Acq: 19 Nov 2018 15:18

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 57715
Ion Ratio Lower Upper
152 100
150 153.3 122.7 184.1
115 62.9 49.1 73.7



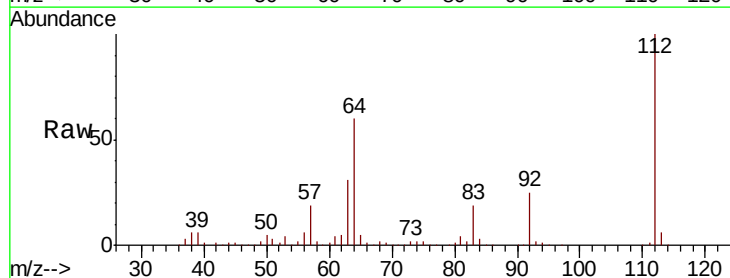
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



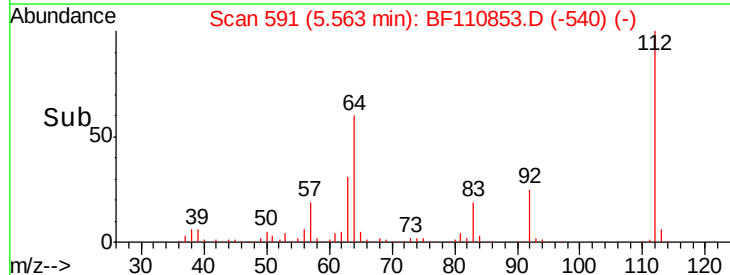
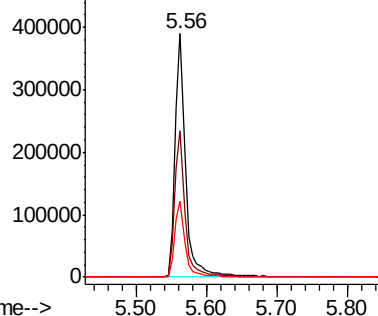
#5

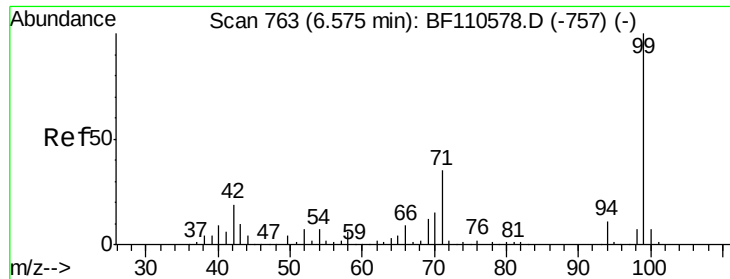
2-Fluorophenol
Concen: 114.111 ng
RT: 5.56 min Scan# 591
Delta R.T. 0.00 min
Lab File: BF110853.D
Acq: 19 Nov 2018 15:18

Tgt Ion:112 Resp: 405457
Ion Ratio Lower Upper
112 100
64 60.0 44.1 66.1
63 31.4 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: 112.860 ng

RT: 6.57 min Scan# 762

Delta R.T. -0.01 min

Lab File: BF110853.D

Acq: 19 Nov 2018 15:18

Instrument :

BNA_F

ClientSampleId :

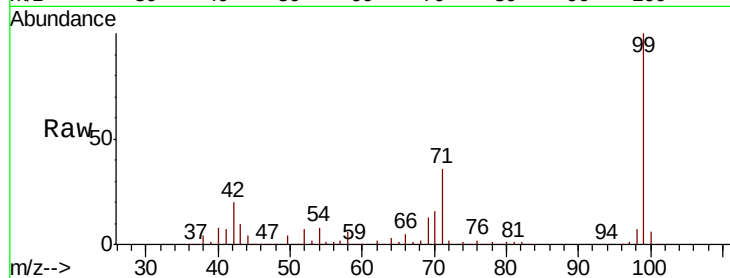
Tot Ion: 99 Resp: 512798

Ion Ratio Lower Upper

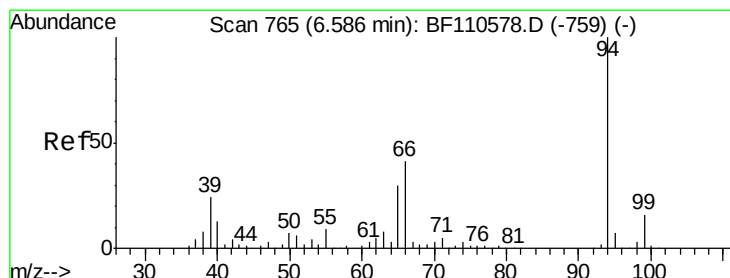
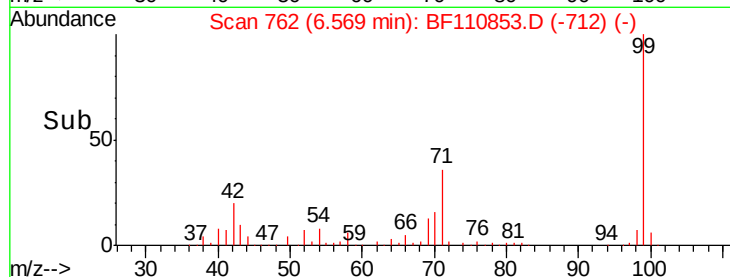
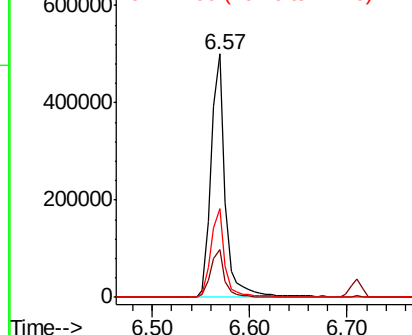
99 100

42 19.5 15.8 23.6

71 36.4 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: 4.339 ng

RT: 6.58 min Scan# 764

Delta R.T. -0.01 min

Lab File: BF110853.D

Acq: 19 Nov 2018 15:18

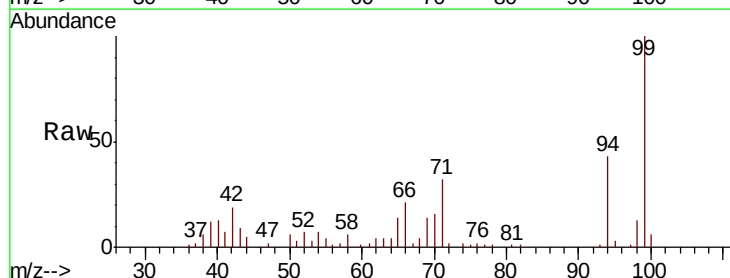
Tgt Ion: 94 Resp: 22863

Ion Ratio Lower Upper

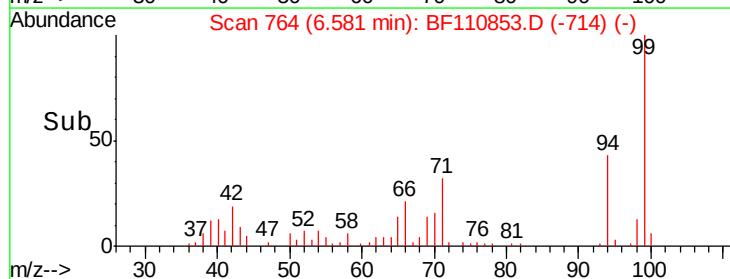
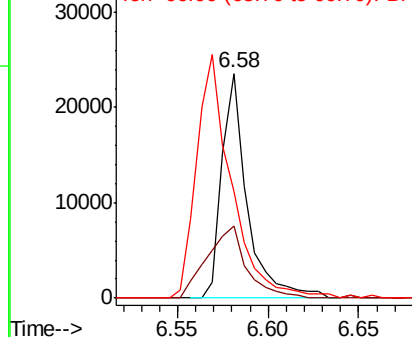
94 100

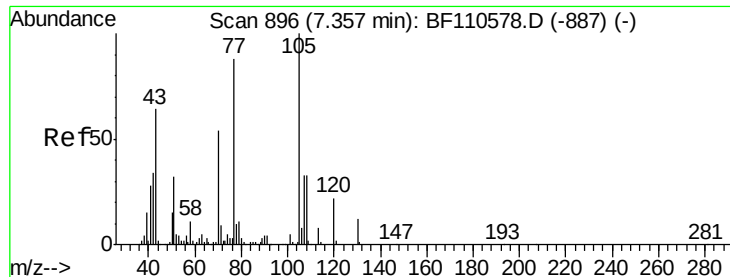
65 32.3 25.3 65.3

66 47.6 54.5 94.5#



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

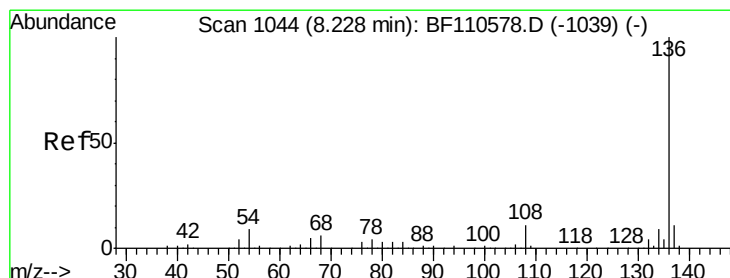
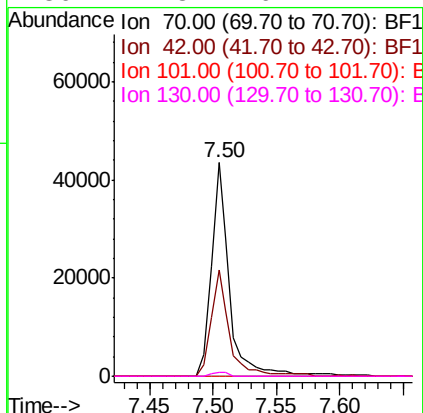
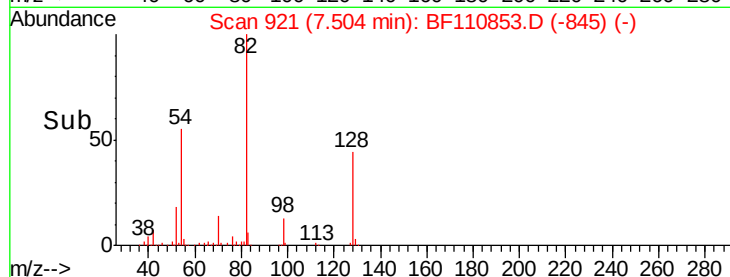
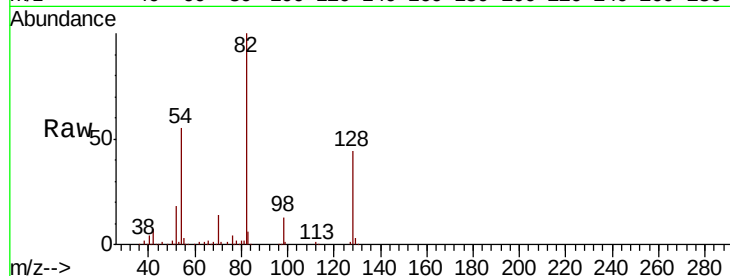




#19
n-Nitroso-di-n-propylamine
Concen: 15.028 ng
RT: 7.50 min Scan# 921
Delta R.T. 0.15 min
Lab File: BF110853.D
Acq: 19 Nov 2018 15:18

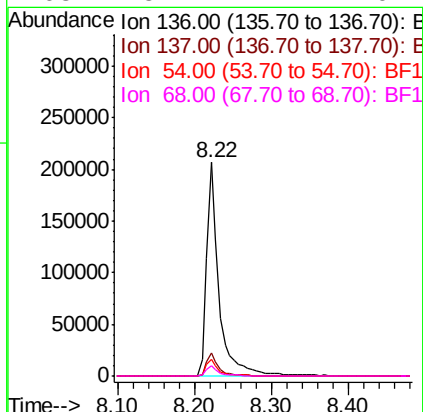
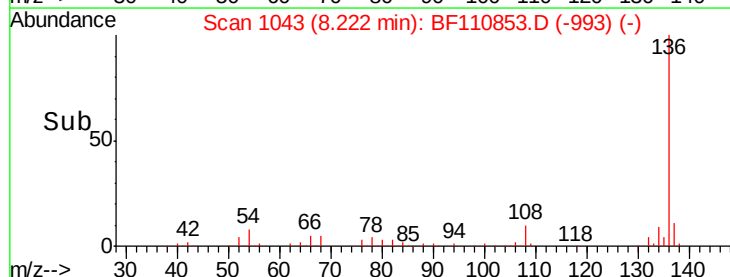
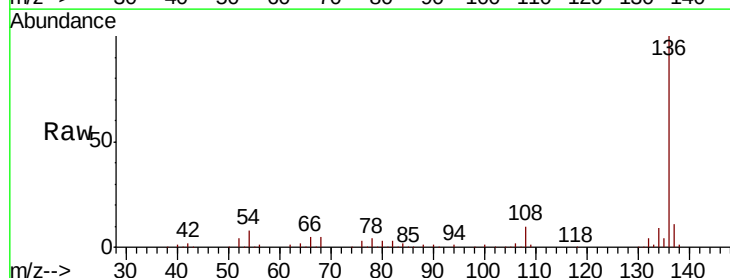
Instrument :
BNA_F
ClientSampleId :

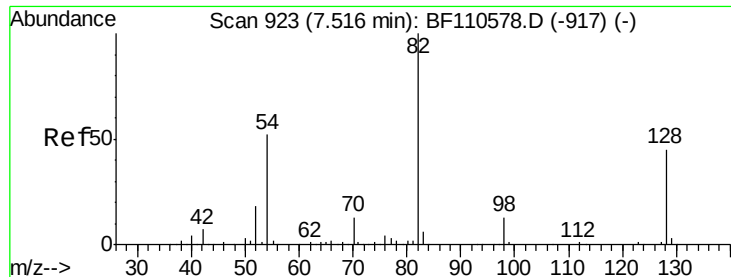
Tot Ion: 70 Resp: 43587
Ion Ratio Lower Upper
70 100
42 49.9 47.4 71.2
101 0.0 7.3 10.9#
130 1.8 16.2 24.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.22 min Scan# 1043
Delta R.T. -0.01 min
Lab File: BF110853.D
Acq: 19 Nov 2018 15:18

Tgt Ion: 136 Resp: 231635
Ion Ratio Lower Upper
136 100
137 10.5 8.8 13.2
54 7.8 5.4 8.2
68 5.1 4.2 6.2

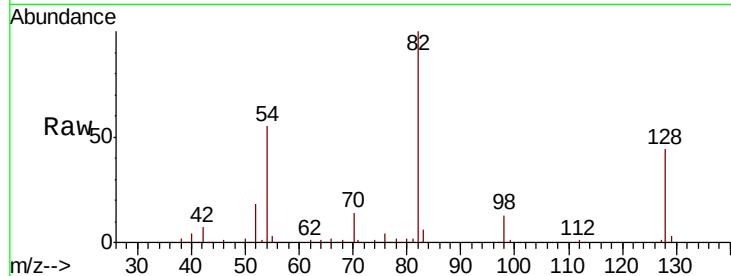




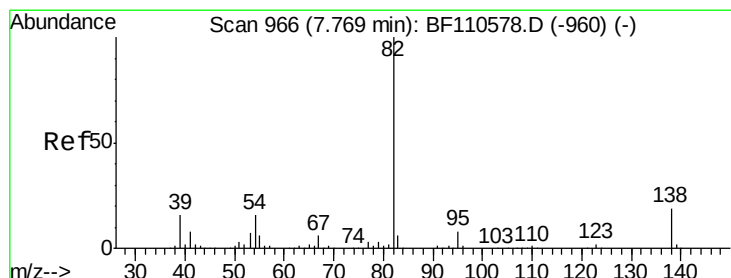
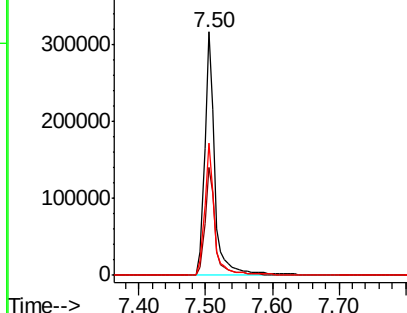
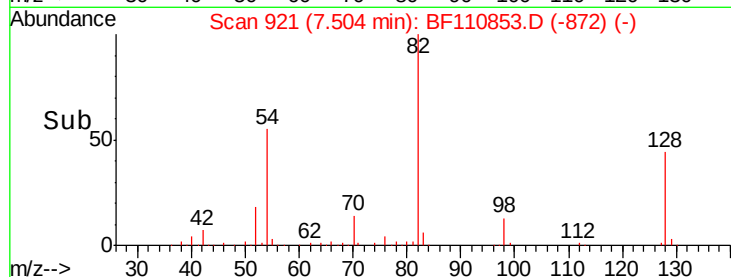
#23
Nitrobenzene-d5
Concen: 82.041 ng
RT: 7.50 min Scan# 921
Delta R.T. -0.01 min
Lab File: BF110853.D
Acq: 19 Nov 2018 15:18

Instrument :
BNA_F
ClientSampled :

Tot Ion	82	Resp	329982
Ion Ratio	Lower	Upper	
82	100		
128	44.2	34.2	51.2
54	54.5	38.6	58.0

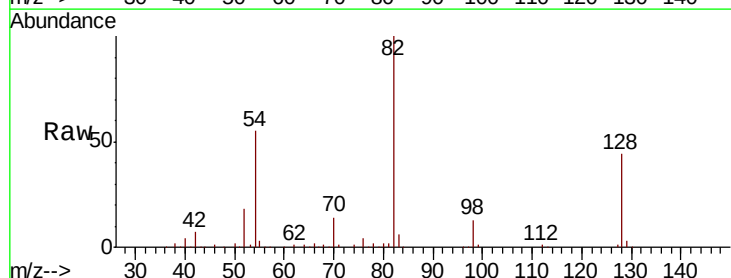


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

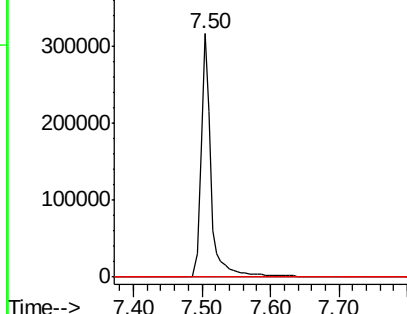
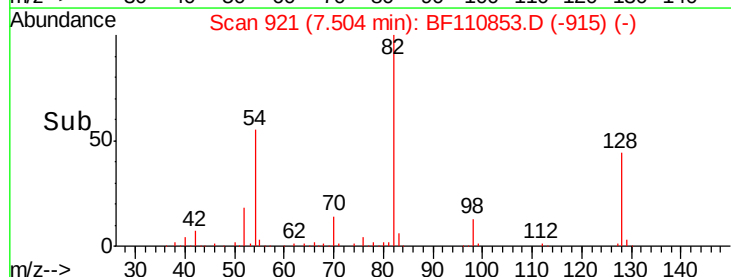


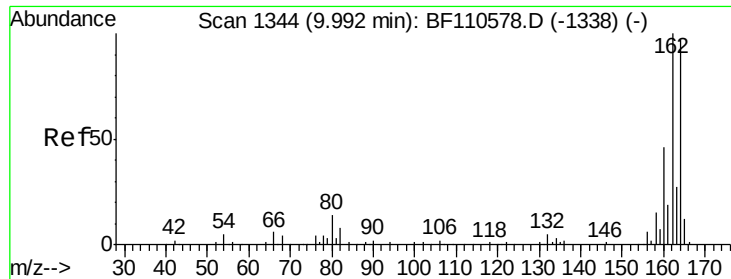
#25
Isophorone
Concen: 50.055 ng
RT: 7.50 min Scan# 921
Delta R.T. -0.26 min
Lab File: BF110853.D
Acq: 19 Nov 2018 15:18

Tgt Ion	82	Resp	329980
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

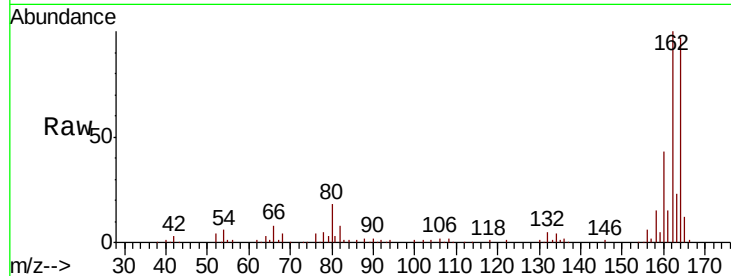




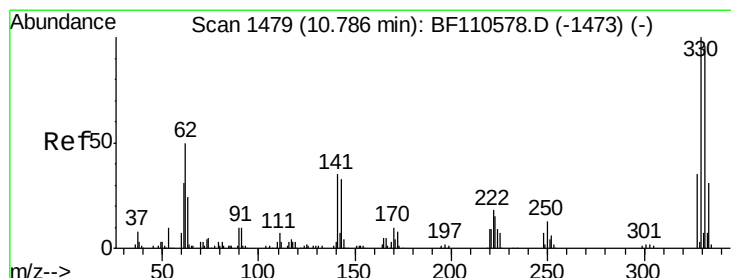
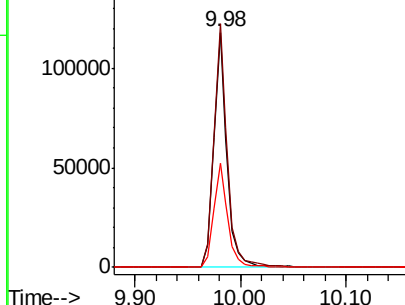
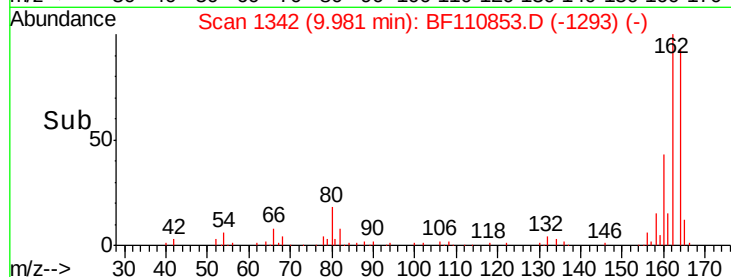
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.98 min Scan# 1342
Delta R.T. -0.01 min
Lab File: BF110853.D
Acq: 19 Nov 2018 15:18

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 104495
Ion Ratio Lower Upper
164 100
162 103.5 83.0 124.6
160 44.3 37.0 55.6

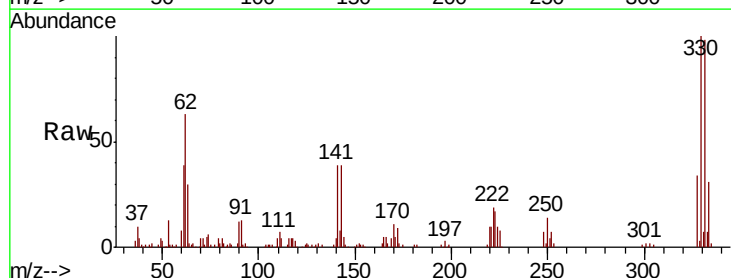


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

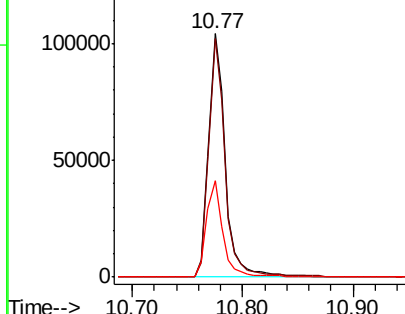
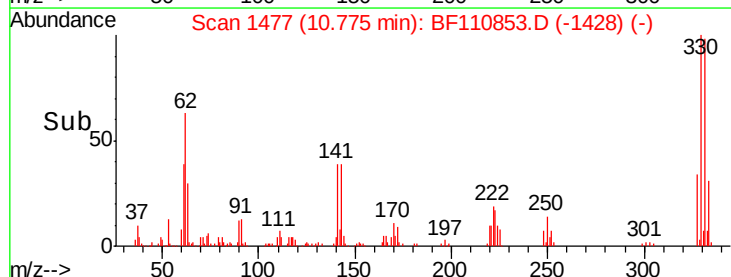


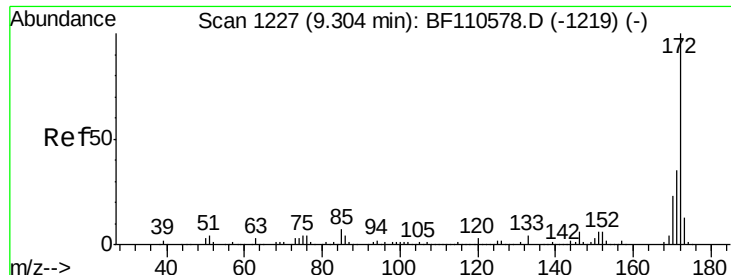
#42
2,4,6-Tribromophenol
Concen: 100.947 ng
RT: 10.77 min Scan# 1477
Delta R.T. -0.01 min
Lab File: BF110853.D
Acq: 19 Nov 2018 15:18

Tgt Ion:330 Resp: 106289
Ion Ratio Lower Upper
330 100
332 96.5 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

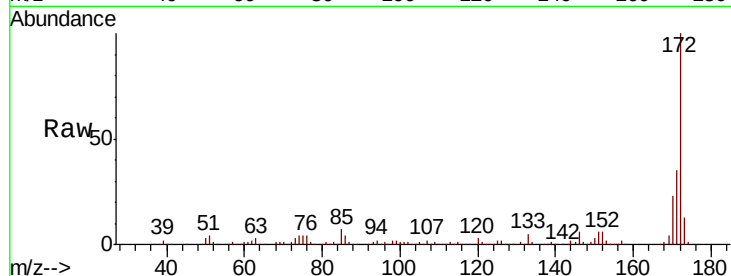




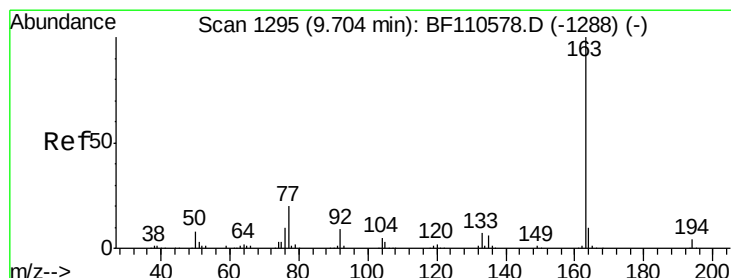
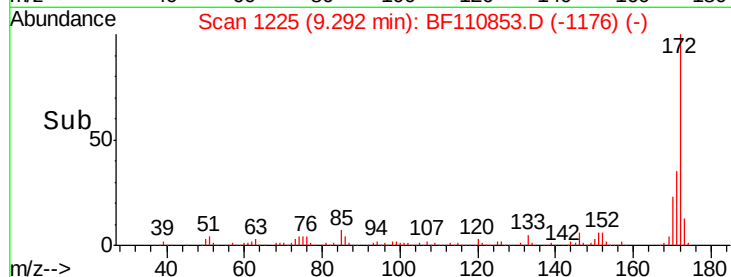
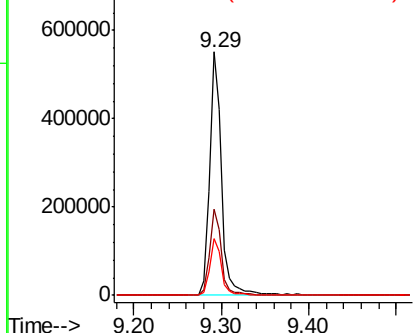
#45
2-Fluorobiphenyl
Concen: 71.431 ng
RT: 9.29 min Scan# 1225
Delta R.T. -0.01 min
Lab File: BF110853.D
Acq: 19 Nov 2018 15:18

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 522636
Ion Ratio Lower Upper
172 100
171 35.4 28.6 43.0
170 23.3 19.7 29.5

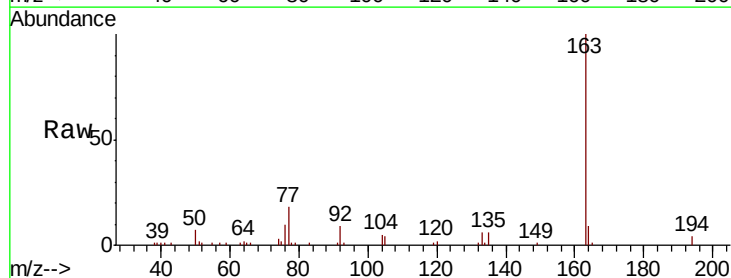


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

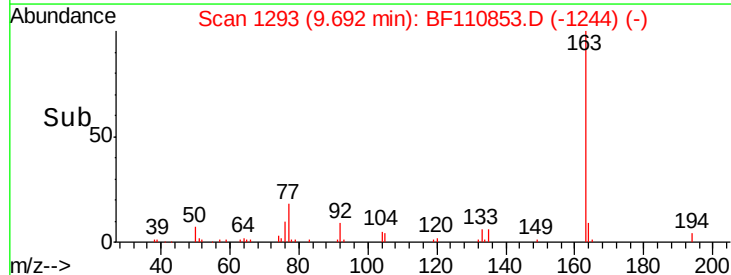
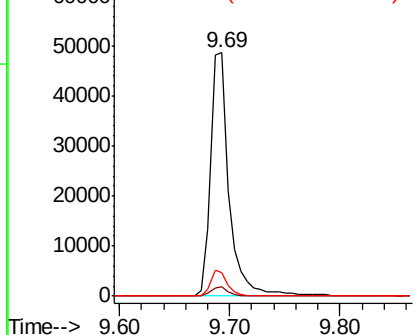


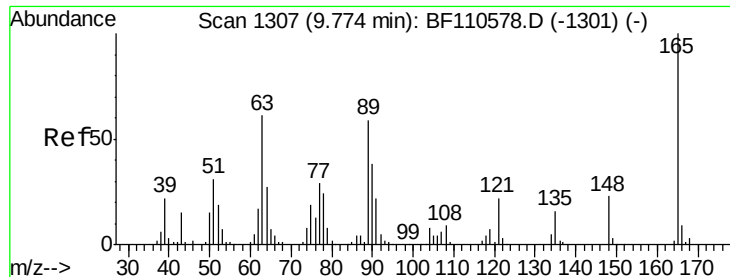
#50
Dimethylphthalate
Concen: 7.135 ng
RT: 9.69 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BF110853.D
Acq: 19 Nov 2018 15:18

Tgt Ion:163 Resp: 55633
Ion Ratio Lower Upper
163 100
194 3.7 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

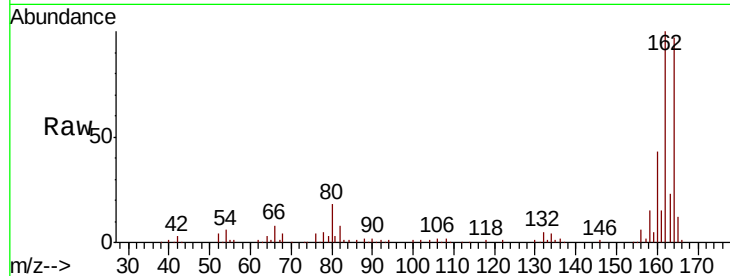




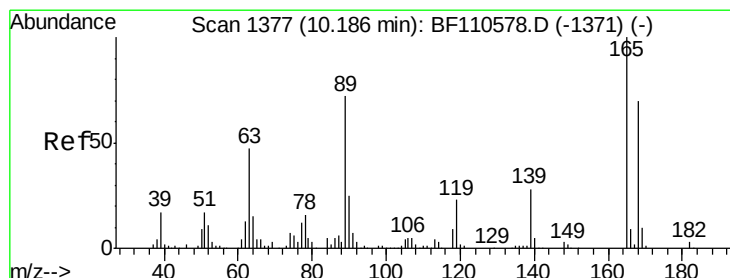
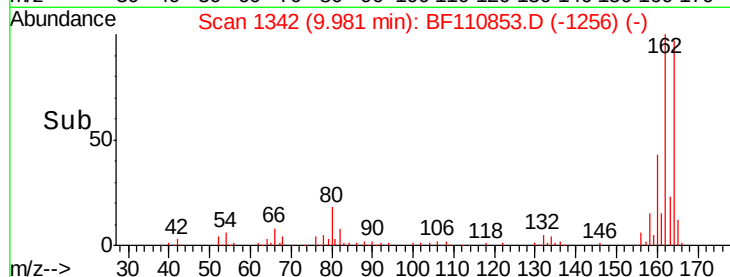
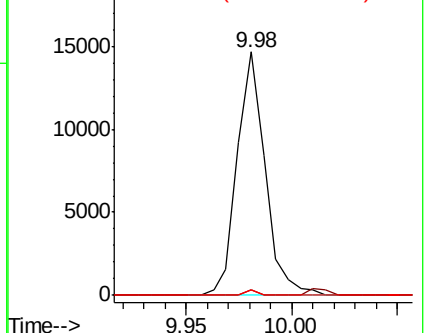
#51
2,6-Dinitrotoluene
Concen: 7.824 ng
RT: 9.98 min Scan# 1342
Delta R.T. 0.21 min
Lab File: BF110853.D
Acq: 19 Nov 2018 15:18

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	2.3	48.9	73.3#
89	2.3	46.6	69.8#

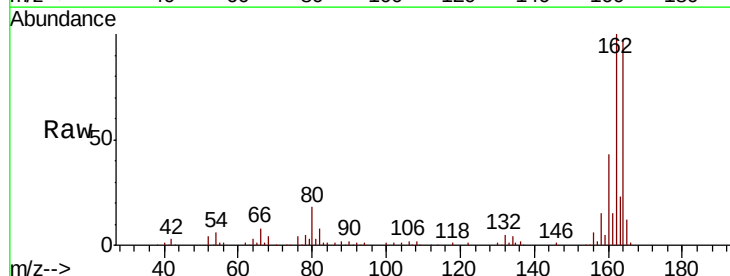


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1

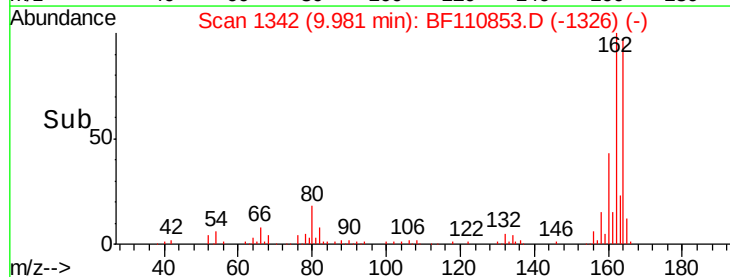
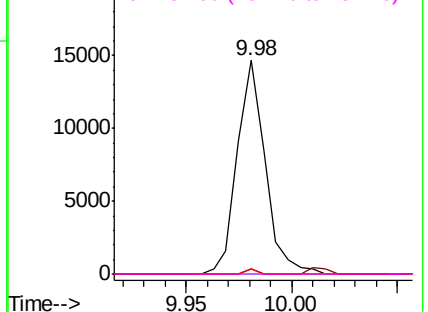


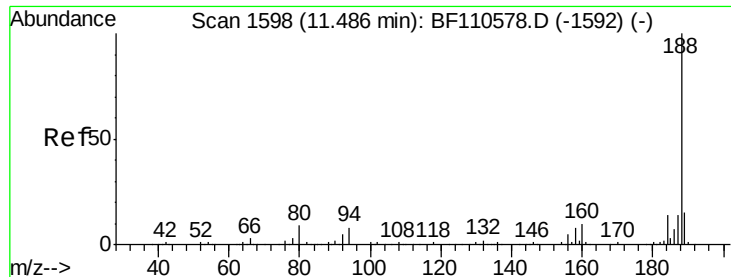
#57
2,4-Dinitrotoluene
Concen: 6.018 ng
RT: 9.98 min Scan# 1342
Delta R.T. -0.21 min
Lab File: BF110853.D
Acq: 19 Nov 2018 15:18

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.3	44.8	67.2#
89	2.3	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

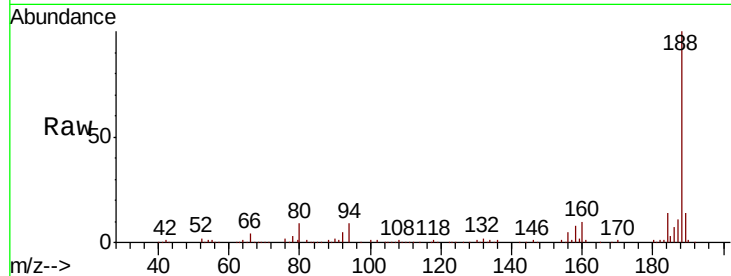




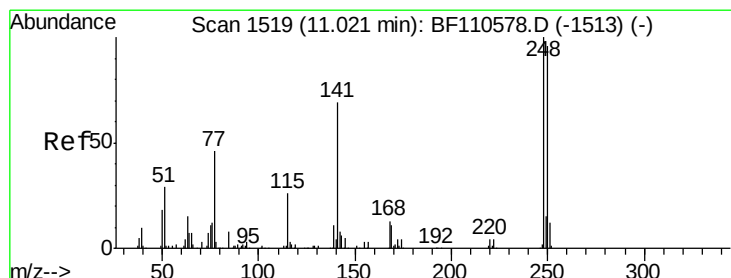
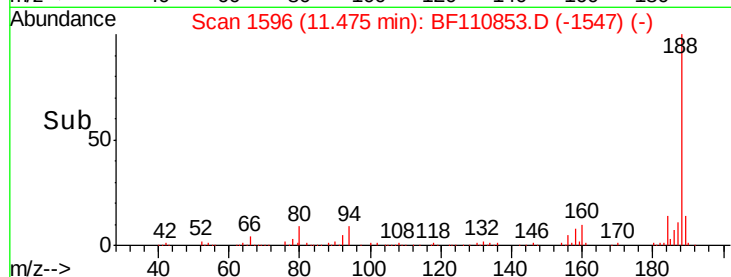
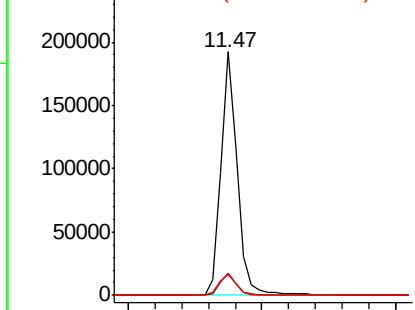
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.47 min Scan# 1596
 Delta R.T. -0.01 min
 Lab File: BF110853.D
 Acq: 19 Nov 2018 15:18

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:188 Resp: 167653
 Ion Ratio Lower Upper
 188 100
 94 8.9 7.2 10.8
 80 8.8 7.9 11.9

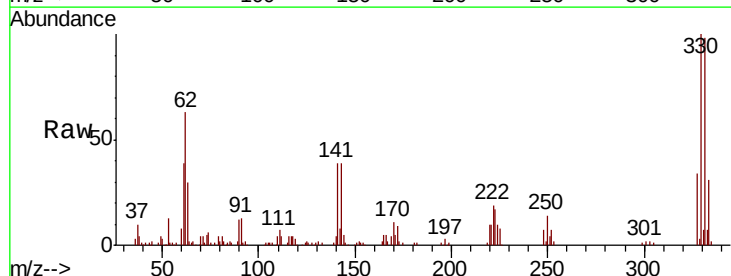


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

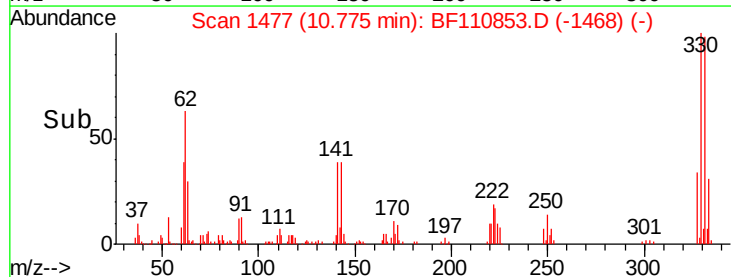
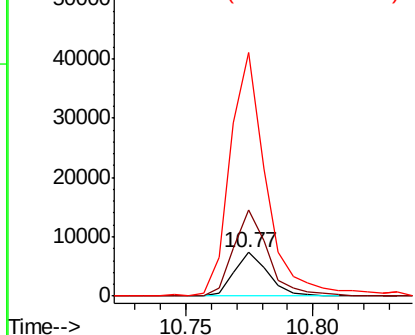


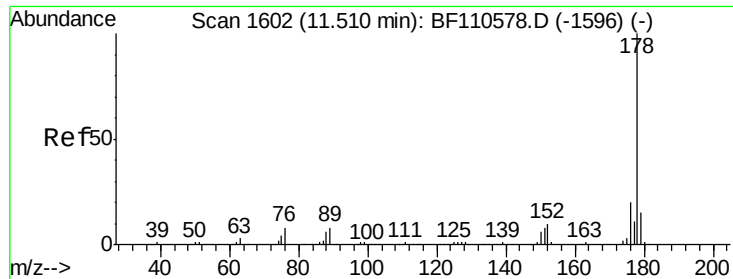
#67
 4-Bromophenyl-phenylether
 Concen: 3.678 ng
 RT: 10.77 min Scan# 1477
 Delta R.T. -0.25 min
 Lab File: BF110853.D
 Acq: 19 Nov 2018 15:18

Tgt Ion:248 Resp: 6815
 Ion Ratio Lower Upper
 248 100
 250 197.0 79.4 119.2#
 141 560.1 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

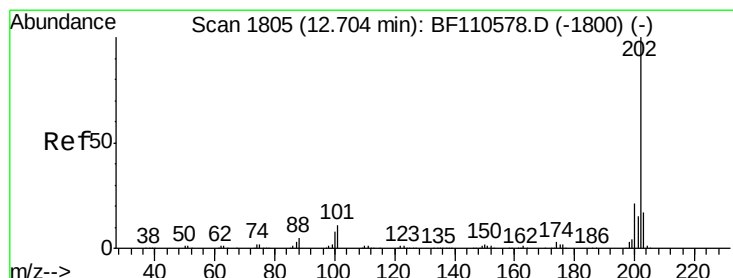
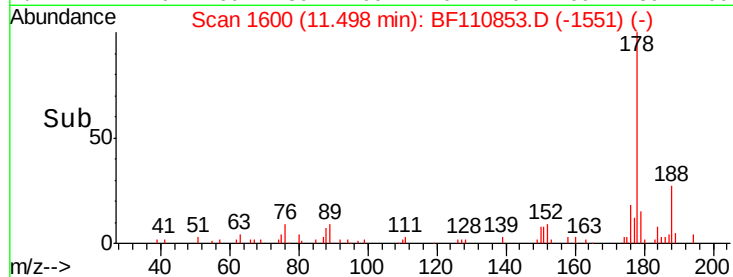
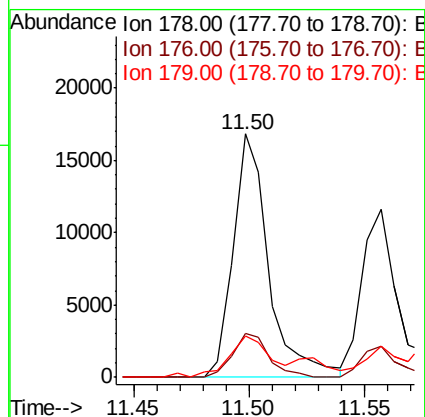
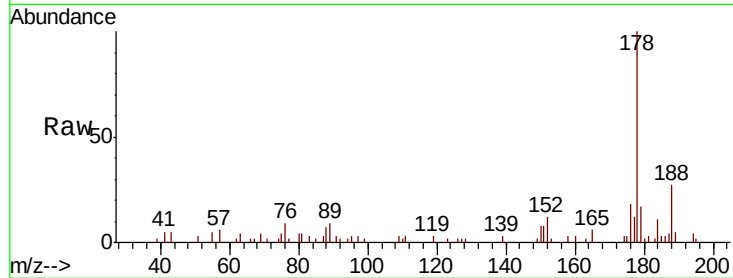




#71
Phenanthrene
Concen: 2.003 ng
RT: 11.50 min Scan# 1600
Delta R.T. -0.01 min
Lab File: BF110853.D
Acq: 19 Nov 2018 15:18

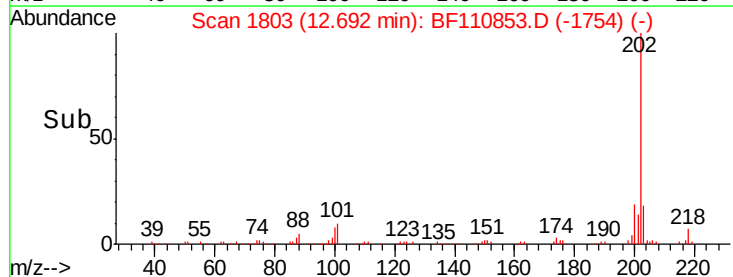
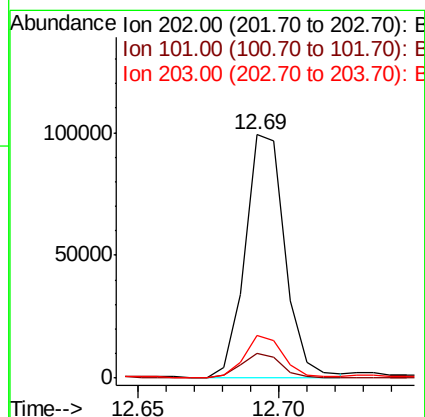
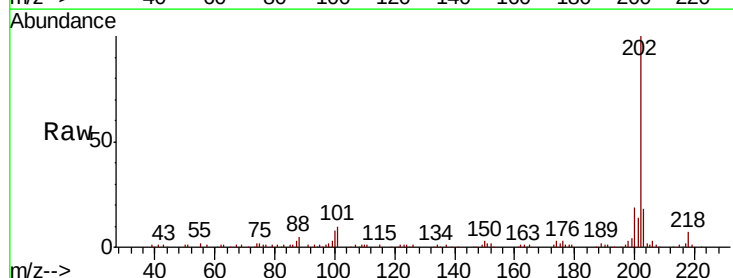
Instrument :
BNA_F
ClientSampleId :

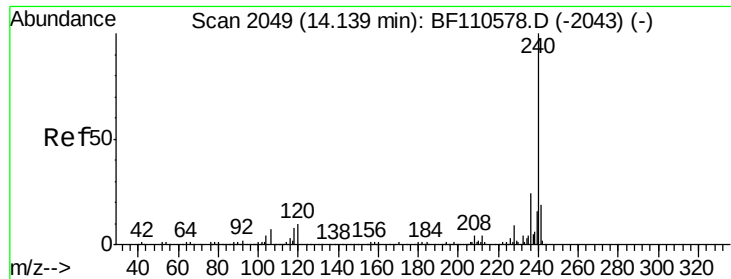
Tot Ion:178 Resp: 17989
Ion Ratio Lower Upper
178 100
176 18.2 15.5 23.3
179 16.9 12.5 18.7



#75
Fluoranthene
Concen: 10.845 ng
RT: 12.69 min Scan# 1803
Delta R.T. -0.01 min
Lab File: BF110853.D
Acq: 19 Nov 2018 15:18

Tgt Ion:202 Resp: 97657
Ion Ratio Lower Upper
202 100
101 10.4 0.0 31.4
203 17.8 0.0 37.7

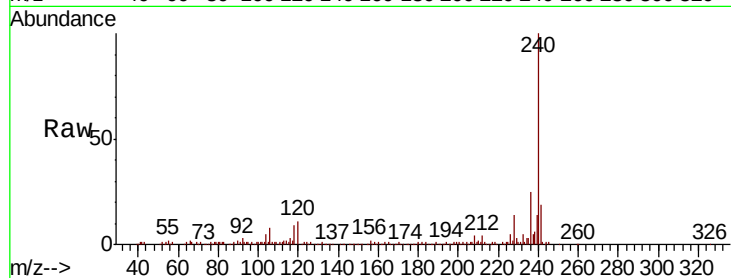




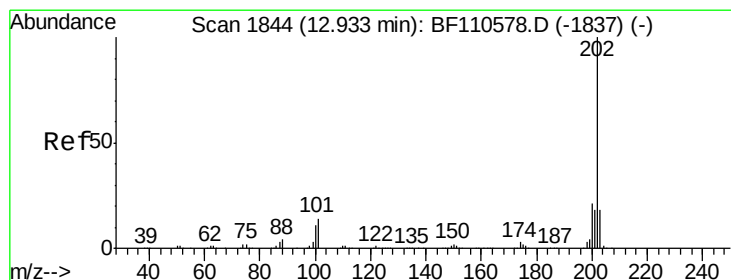
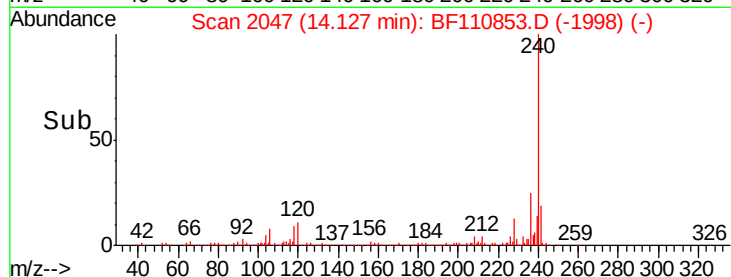
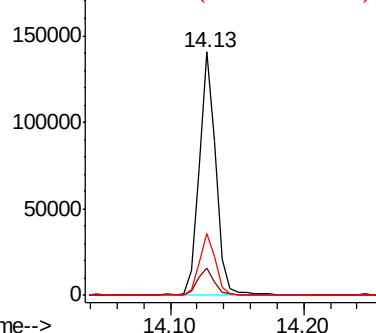
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.13 min Scan# 2047
Delta R.T. -0.01 min
Lab File: BF110853.D
Acq: 19 Nov 2018 15:18

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
240	100		
120	11.1	8.3	12.5
236	25.3	21.2	31.8

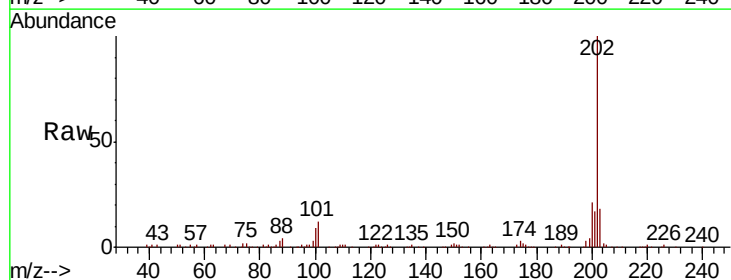


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

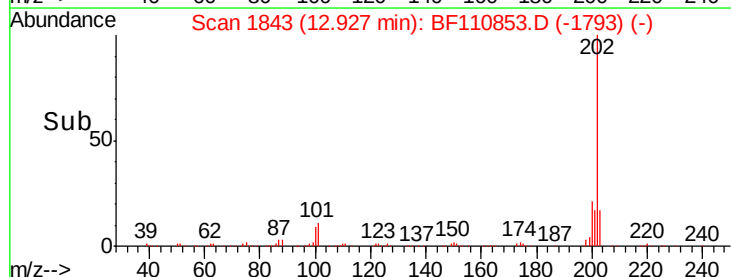
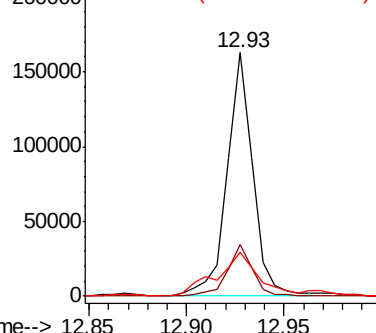


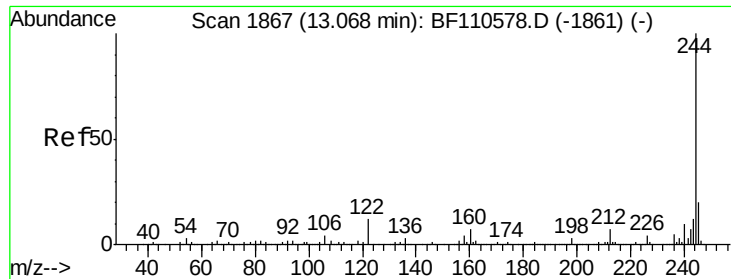
#78
Pyrene
Concen: 15.464 ng
RT: 12.93 min Scan# 1843
Delta R.T. -0.01 min
Lab File: BF110853.D
Acq: 19 Nov 2018 15:18

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.8	26.6
203	18.1	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

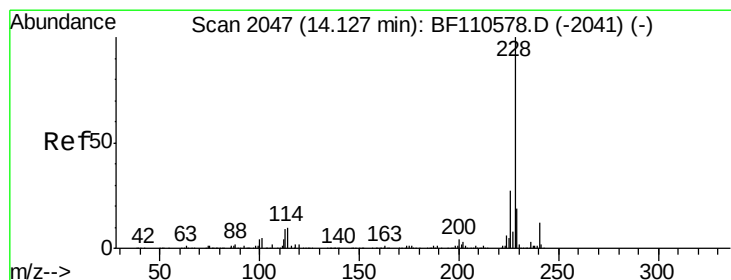
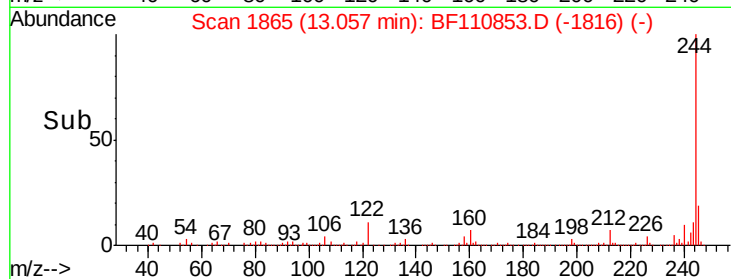
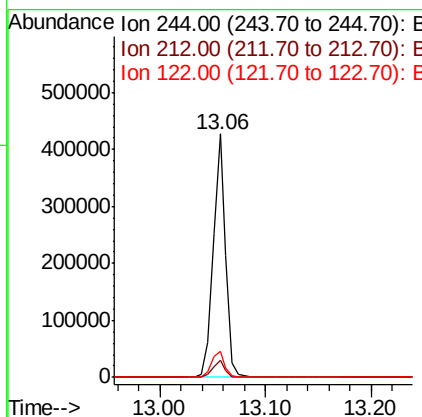
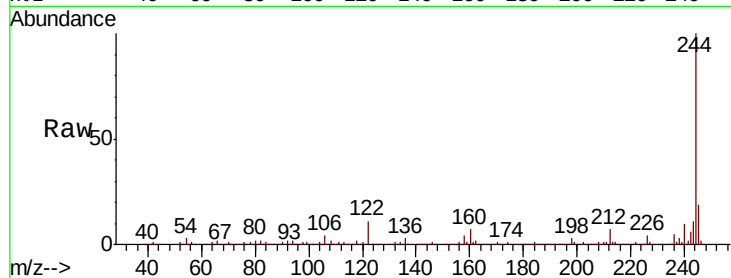




#79
 Terphenyl-d14
 Concen: 53.578 ng
 RT: 13.06 min Scan# 1865
 Delta R.T. -0.01 min
 Lab File: BF110853.D
 Acq: 19 Nov 2018 15:18

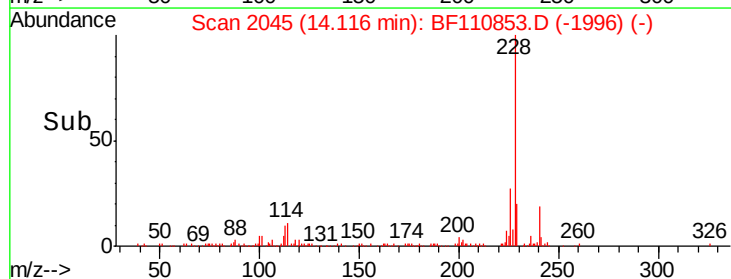
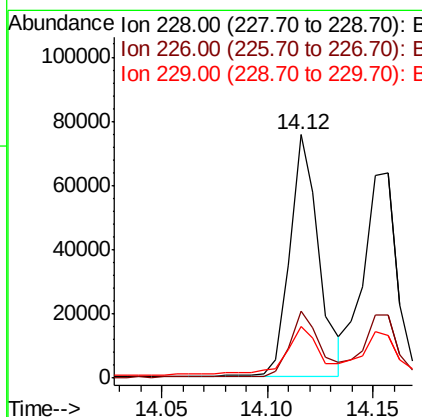
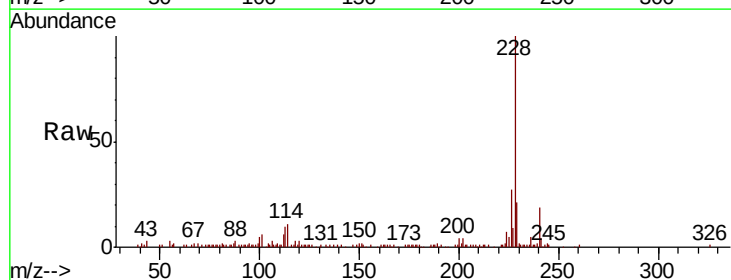
Instrument :
 BNA_F
 ClientSampleId :

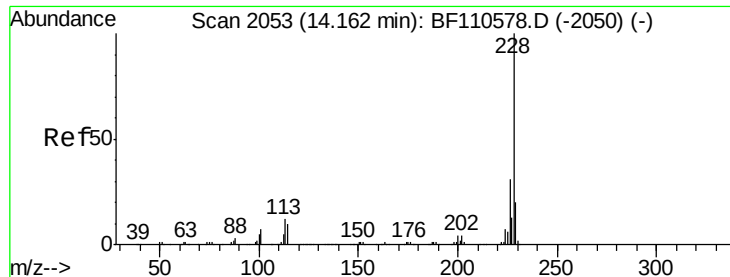
Tot Ion:244 Resp: 353733
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.8 8.8
 122 10.9 8.7 13.1



#81
 Benzo(a)anthracene
 Concen: 9.860 ng
 RT: 14.12 min Scan# 2045
 Delta R.T. -0.01 min
 Lab File: BF110853.D
 Acq: 19 Nov 2018 15:18

Tgt Ion:228 Resp: 72865
 Ion Ratio Lower Upper
 228 100
 226 27.5 22.1 33.1
 229 21.1 15.6 23.4





#83

Chrysene

Concen: 10.167 ng

RT: 14.16 min Scan# 2052

Delta R.T. -0.01 min

Lab File: BF110853.D

Acq: 19 Nov 2018 15:18

Instrument :

BNA_F

ClientSampled :

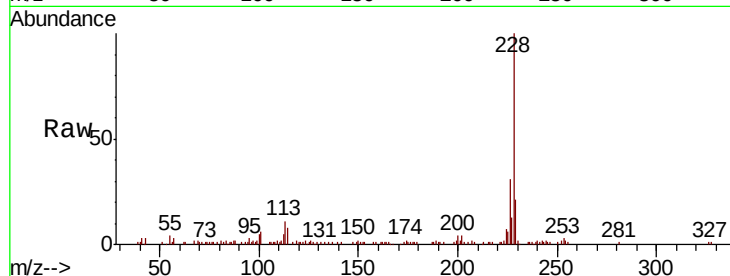
Tot Ion:228 Resp: 71583

Ion Ratio Lower Upper

228 100

226 30.7 24.7 37.1

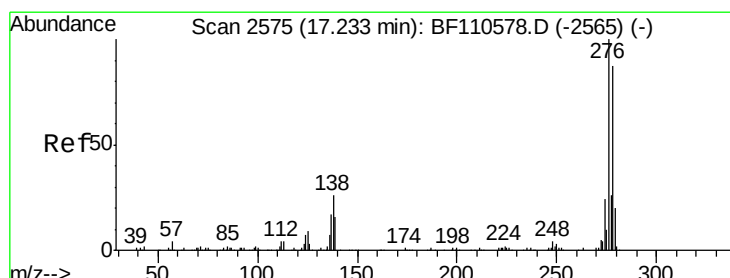
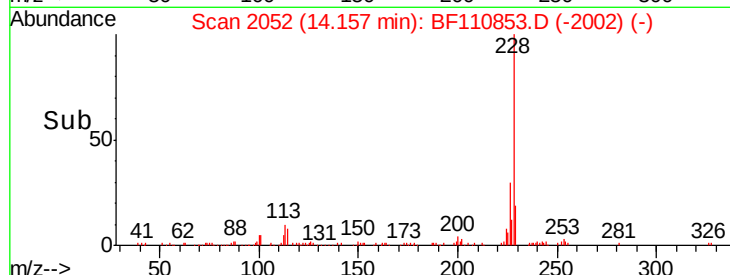
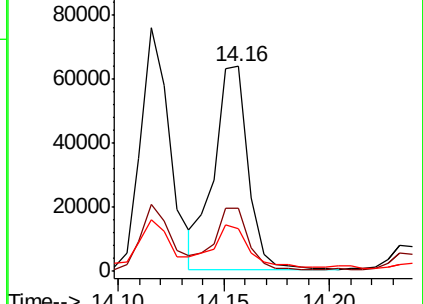
229 20.7 15.9 23.9



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: 3.235 ng

RT: 17.24 min Scan# 2576

Delta R.T. 0.01 min

Lab File: BF110853.D

Acq: 19 Nov 2018 15:18

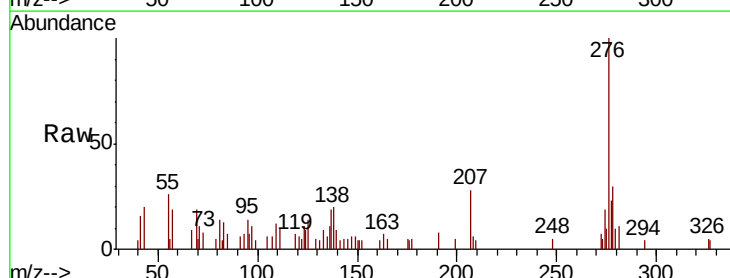
Tgt Ion:276 Resp: 16344

Ion Ratio Lower Upper

276 100

138 30.4 18.5 27.7#

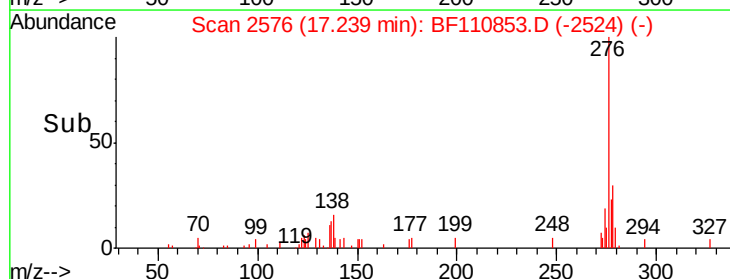
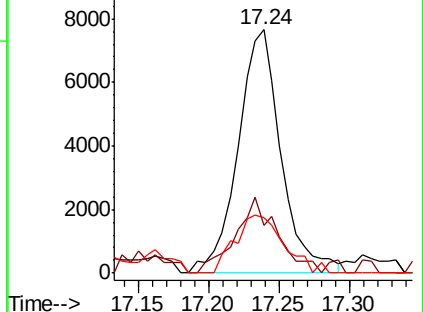
277 26.9 20.0 30.0

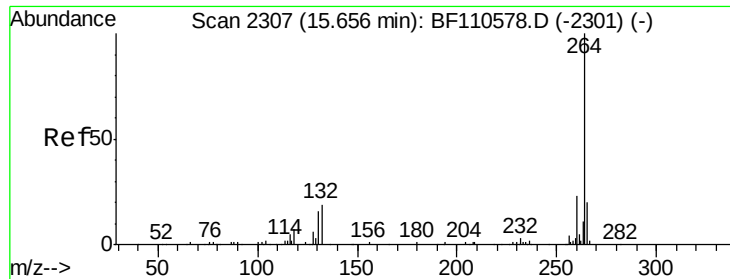


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

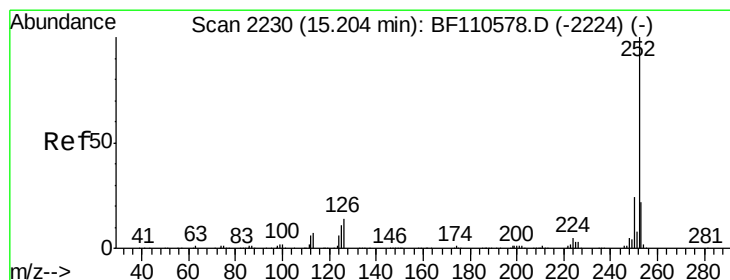
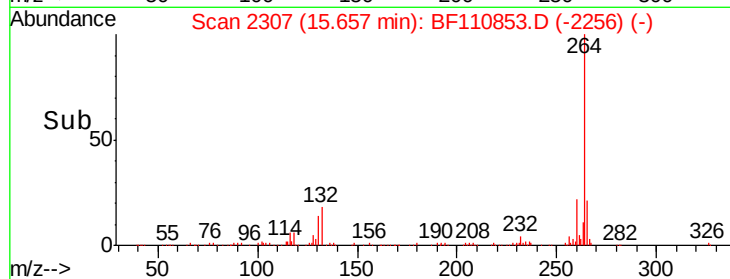
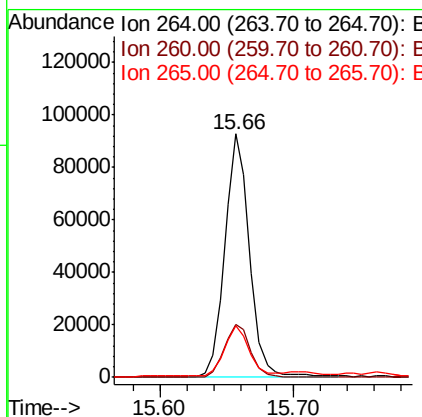
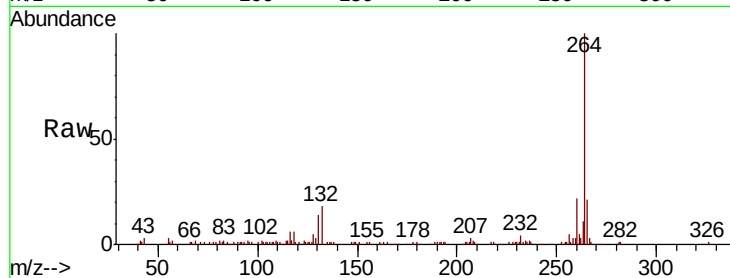




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.66 min Scan# 2307
Delta R.T. 0.00 min
Lab File: BF110853.D
Acq: 19 Nov 2018 15:18

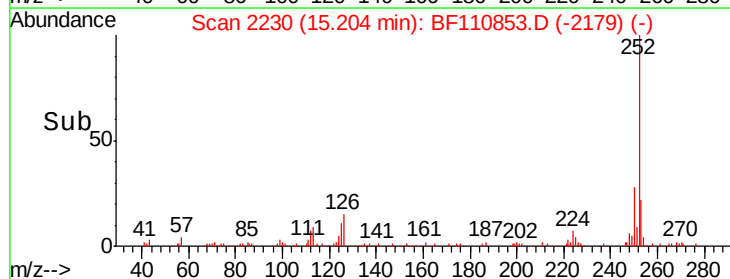
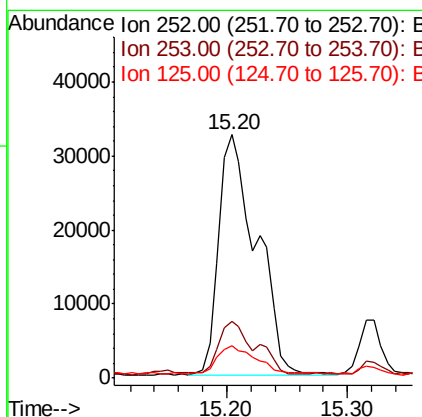
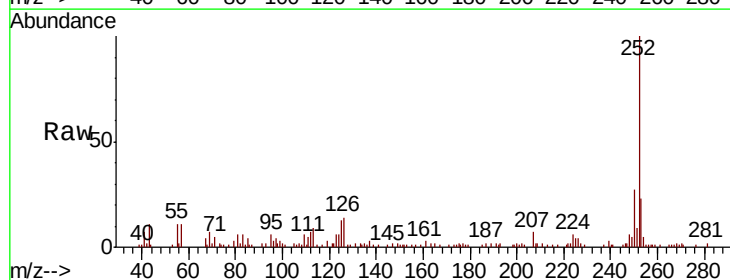
Instrument :
BNA_F
ClientSampleId :

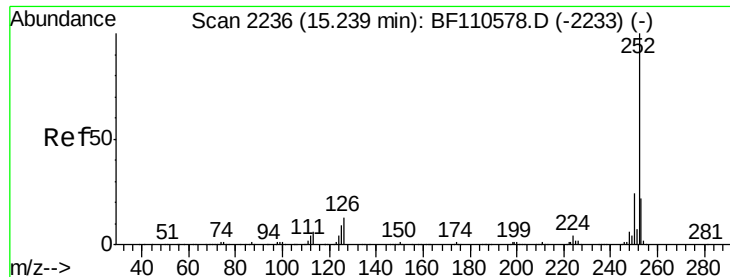
Tot Ion:264 Resp: 120582
Ion Ratio Lower Upper
264 100
260 21.9 18.7 28.1
265 21.0 16.7 25.1



#88
Benzo(b)fluoranthene
Concen: 9.818 ng
RT: 15.20 min Scan# 2230
Delta R.T. 0.00 min
Lab File: BF110853.D
Acq: 19 Nov 2018 15:18

Tgt Ion:252 Resp: 70823
Ion Ratio Lower Upper
252 100
253 23.1 17.2 25.8
125 13.1 8.2 12.4#

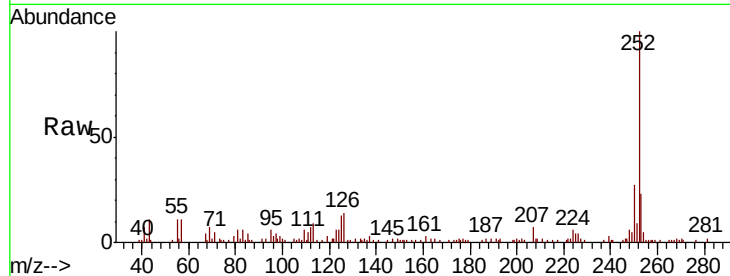




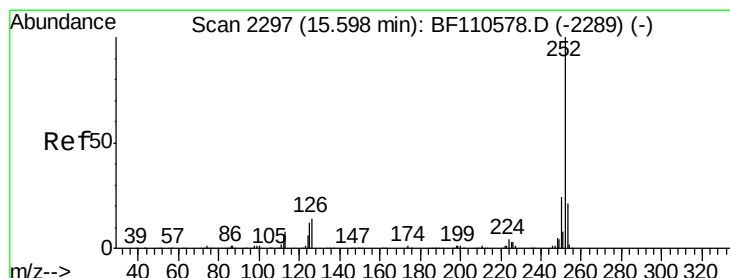
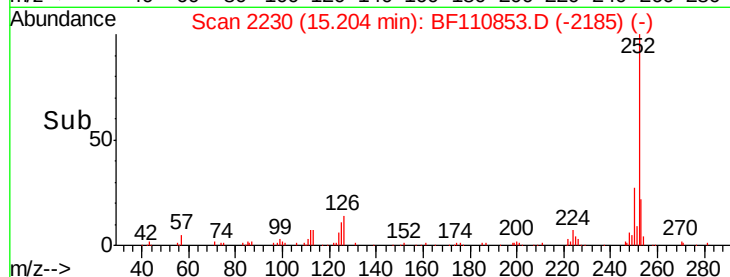
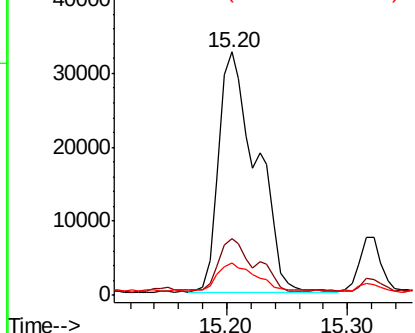
#89
Benzo(k)fluoranthene
Concen: 9.936 ng
RT: 15.20 min Scan# 2230
Delta R.T. -0.04 min
Lab File: BF110853.D
Acq: 19 Nov 2018 15:18

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 70823
Ion Ratio Lower Upper
252 100
253 23.1 17.2 25.8
125 13.1 7.4 11.0#

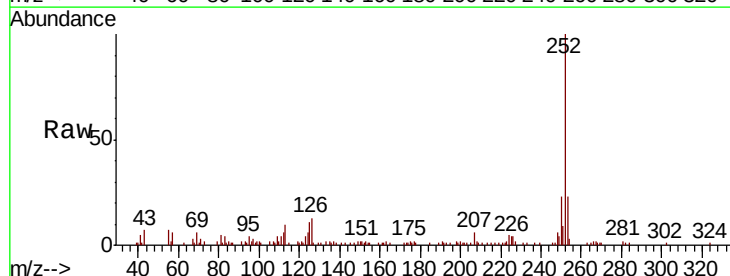


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

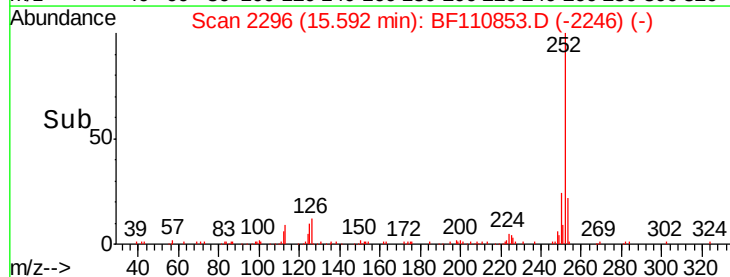
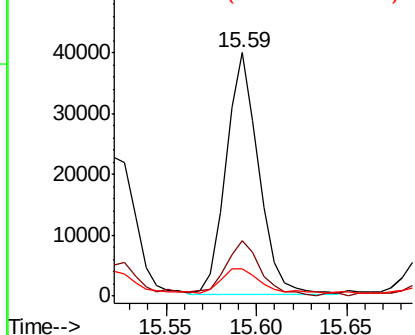


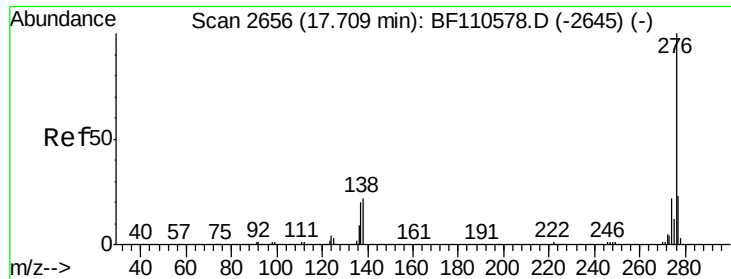
#90
Benzo(a)pyrene
Concen: 7.525 ng
RT: 15.59 min Scan# 2296
Delta R.T. -0.01 min
Lab File: BF110853.D
Acq: 19 Nov 2018 15:18

Tgt Ion:252 Resp: 49321
Ion Ratio Lower Upper
252 100
253 22.5 18.2 27.4
125 11.4 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: 2.865 ng

RT: 17.72 min Scan# 2658

Delta R.T. 0.01 min

Lab File: BF110853.D

Acq: 19 Nov 2018 15:18

Instrument :

BNA_F

ClientSampleId :

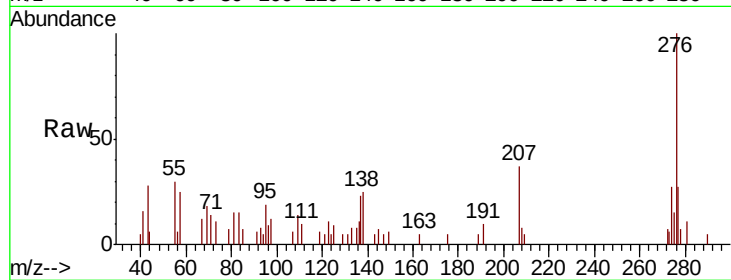
Tot Ion:276 Resp: 15766

Ion Ratio Lower Upper

276 100

277 26.5 18.8 28.2

138 25.5 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

