

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112118\
 Data File : BF110928.D
 Acq On : 21 Nov 2018 15:10
 Operator : JU/SJ
 Sample : J5768-05
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 21 17:16:41 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	61631	20.00	ng	0.00
21) Naphthalene-d8	8.22	136	258434	20.00	ng	0.00
39) Acenaphthene-d10	9.98	164	117544	20.00	ng	-0.01
64) Phenanthrene-d10	11.48	188	198371	20.00	ng	0.00
76) Chrysene-d12	14.13	240	137606	20.00	ng	0.00
87) Perylene-d12	15.67	264	113443	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.56	112	375183	98.88	ng	0.00
7) Phenol-d6	6.57	99	475819	98.07	ng	0.00
23) Nitrobenzene-d5	7.50	82	309424	68.95	ng	-0.01
42) 2,4,6-Tribromophenol	10.78	330	101120	85.38	ng	0.00
45) 2-Fluorobiphenyl	9.29	172	542529	65.92	ng	-0.01
79) Terphenyl-d14	13.06	244	398722	54.26	ng	-0.01

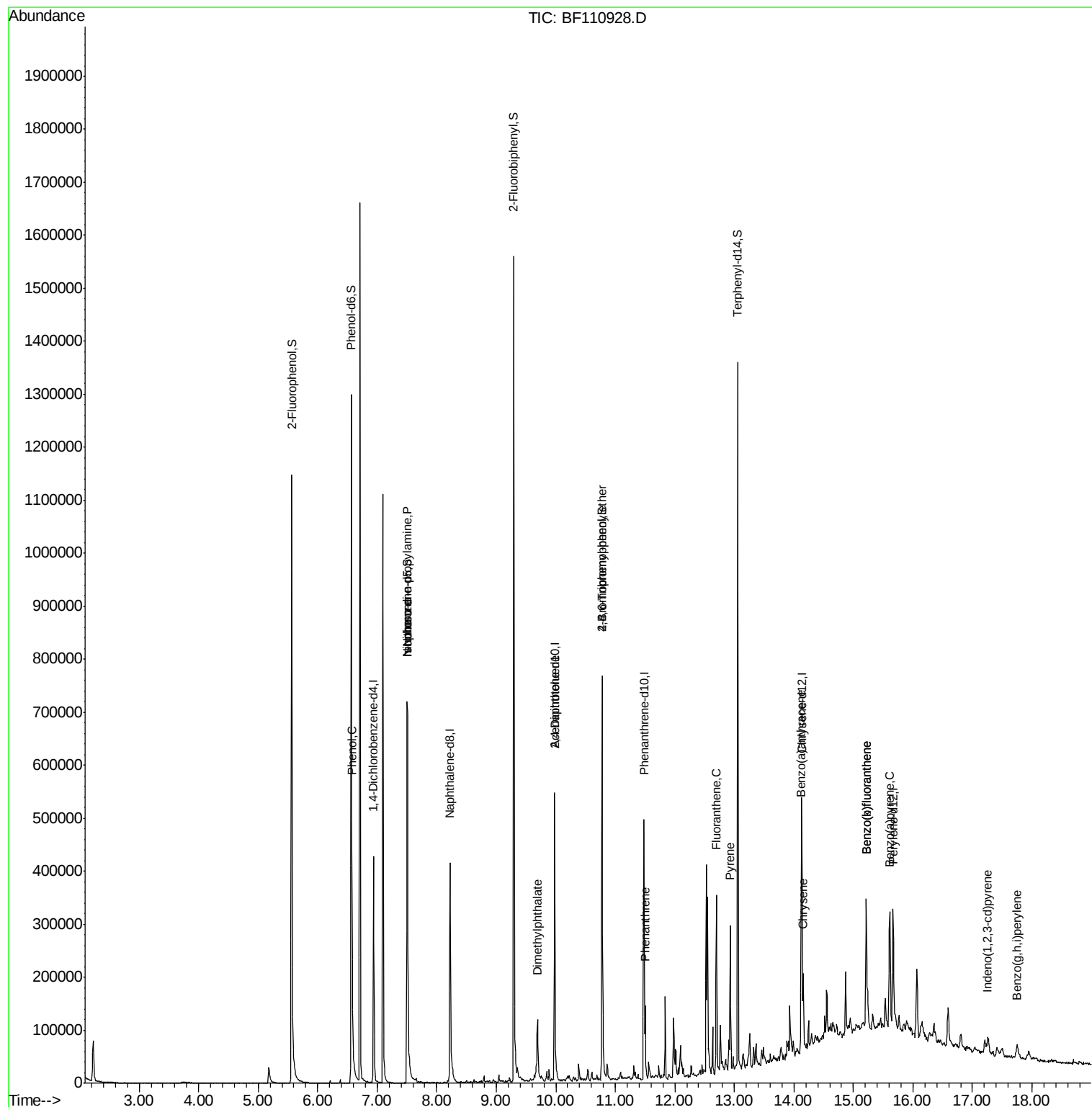
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.57	77	749	Below Cal		# 1
10) Phenol	6.58	94	24436	4.343	ng	# 76
19) n-Nitroso-di-n-propylamine	7.50	70	39781	12.844	ng	# 81
25) Isophorone	7.50	82	309424	42.069	ng	# 67
50) Dimethylphthalate	9.69	163	52892	6.030	ng	100
57) 2,4-Dinitrotoluene	9.98	165	15445	6.157	ng	# 19
67) 4-Bromophenyl-phenylether	10.77	248	6457	2.945	ng	# 1
71) Phenanthrene	11.50	178	52958	4.983	ng	98
75) Fluoranthene	12.70	202	124896	11.722	ng	98
78) Pyrene	12.93	202	119960	11.322	ng	98
81) Benzo(a)anthracene	14.12	228	67676	8.228	ng	98
83) Chrysene	14.16	228	56448	7.204	ng	97
86) Indeno(1,2,3-cd)pyrene	17.26	276	21820	3.881	ng	94
88) Benzo(b)fluoranthene	15.22	252	88685	13.068	ng	# 94
89) Benzo(k)fluoranthene	15.22	252	88685	13.225	ng	# 94
90) Benzo(a)pyrene	15.60	252	45727	7.416	ng	98
92) Benzo(a,h,i)perylene	17.75	276	19478	3.762	ng	# 94

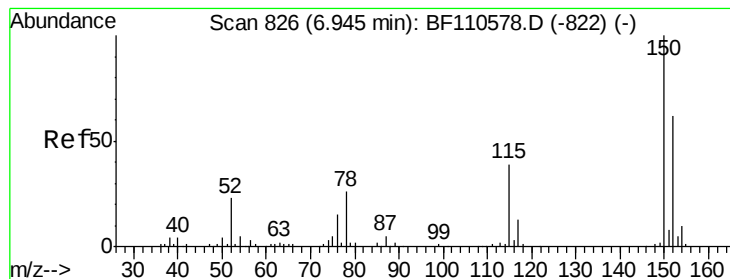
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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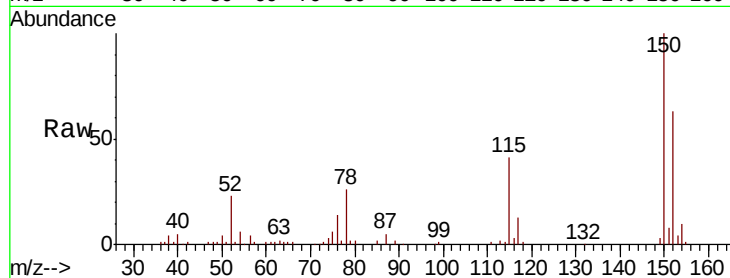


#1

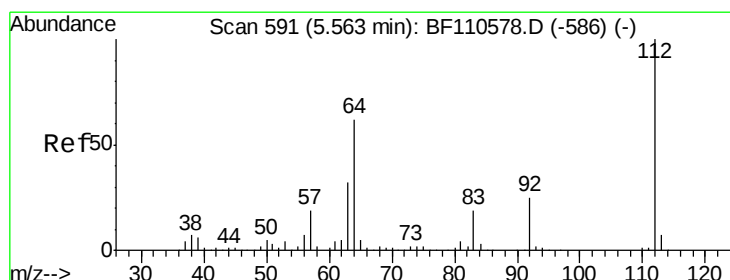
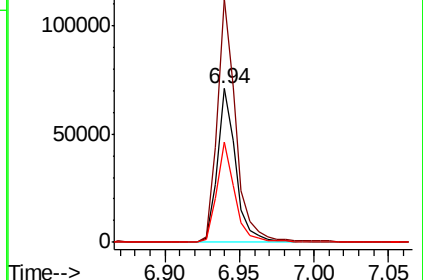
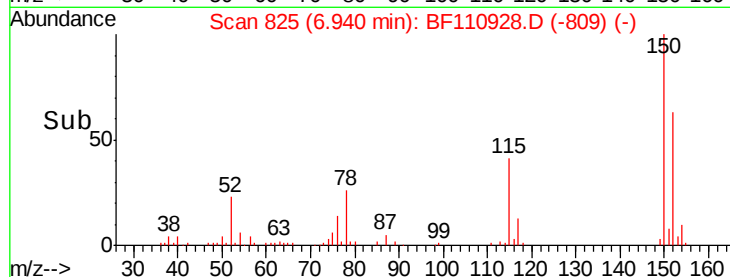
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.94 min Scan# 825
Delta R.T. -0.01 min
Lab File: BF110928.D
Acq: 21 Nov 2018 15:10

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 61631
Ion Ratio Lower Upper
152 100
150 158.7 122.7 184.1
115 65.0 49.1 73.7



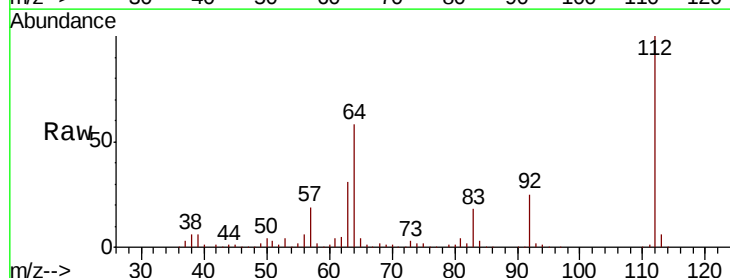
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



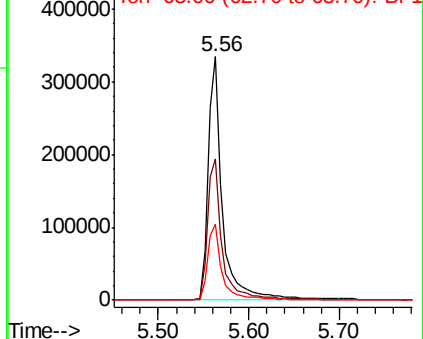
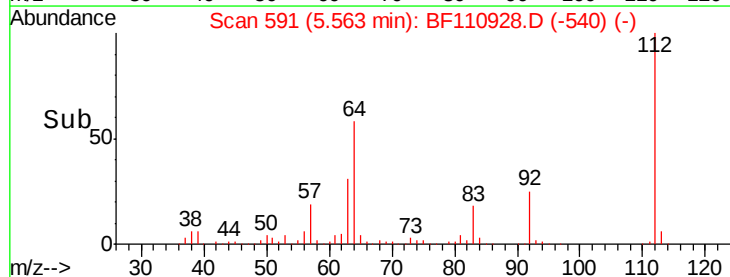
#5

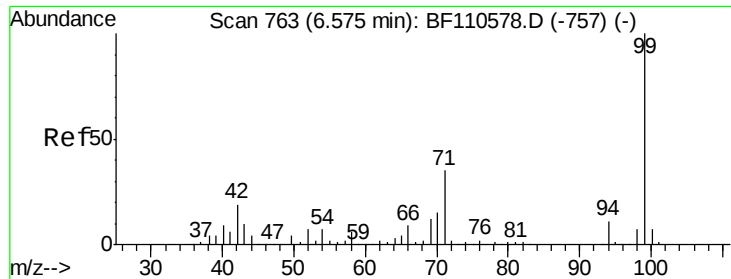
2-Fluorophenol
Concen: 98.881 ng
RT: 5.56 min Scan# 591
Delta R.T. 0.00 min
Lab File: BF110928.D
Acq: 21 Nov 2018 15:10

Tgt Ion:112 Resp: 375183
Ion Ratio Lower Upper
112 100
64 58.2 44.1 66.1
63 31.1 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: 98.067 ng

RT: 6.57 min Scan# 762

Delta R.T. -0.01 min

Lab File: BF110928.D

Acq: 21 Nov 2018 15:10

Instrument :

BNA_F

ClientSampleId :

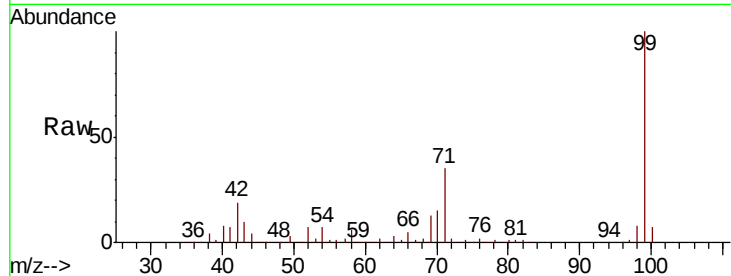
Tot Ion: 99 Resp: 475819

Ion Ratio Lower Upper

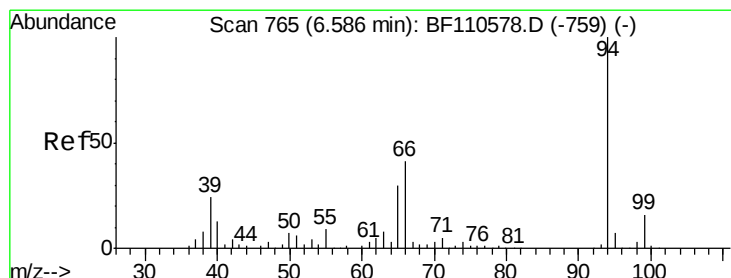
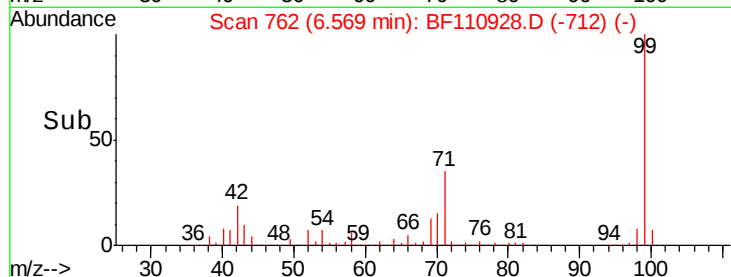
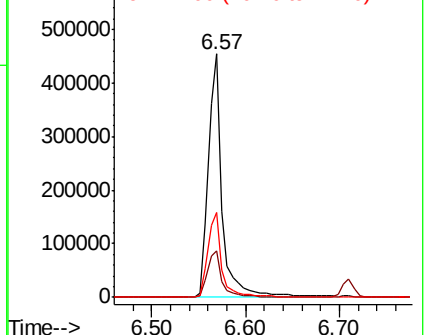
99 100

42 19.2 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: 4.343 ng

RT: 6.58 min Scan# 764

Delta R.T. -0.01 min

Lab File: BF110928.D

Acq: 21 Nov 2018 15:10

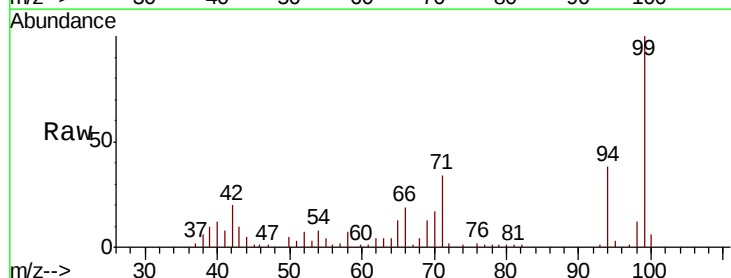
Tgt Ion: 94 Resp: 24436

Ion Ratio Lower Upper

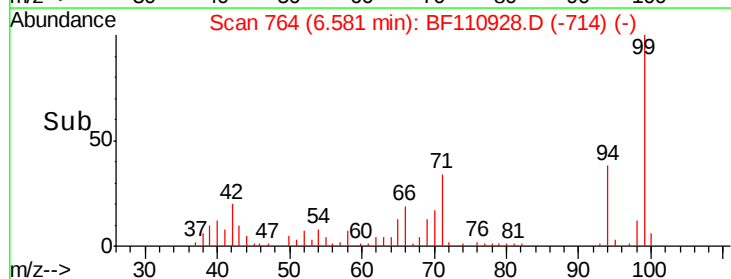
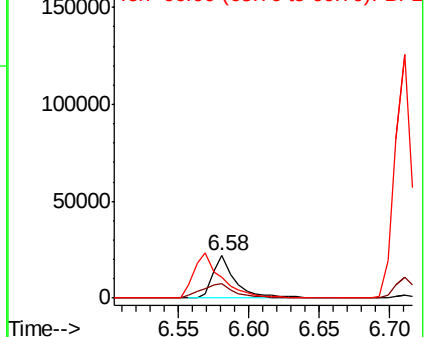
94 100

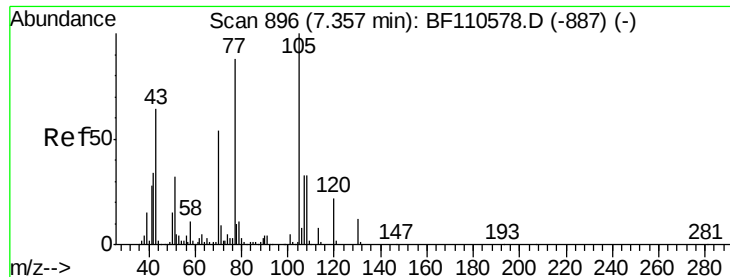
65 33.5 25.3 65.3

66 50.7 54.5 94.5#



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

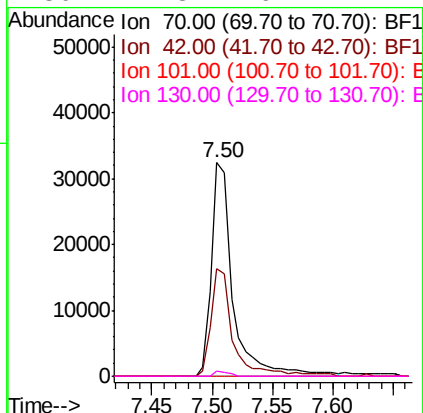
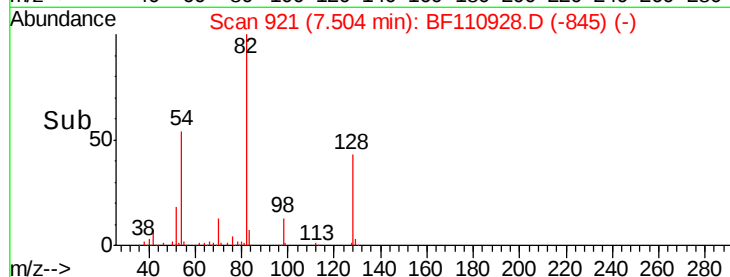
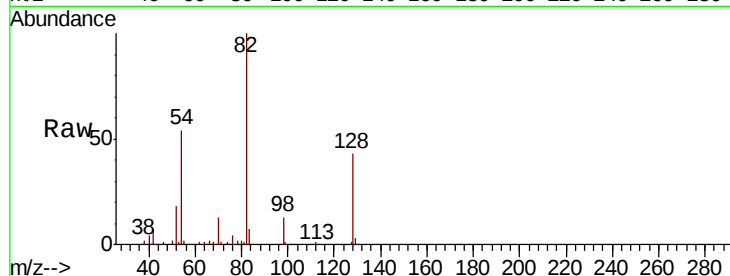




#19
n-Nitroso-di-n-propylamine
Concen: 12.844 ng
RT: 7.50 min Scan# 921
Delta R.T. 0.15 min
Lab File: BF110928.D
Acq: 21 Nov 2018 15:10

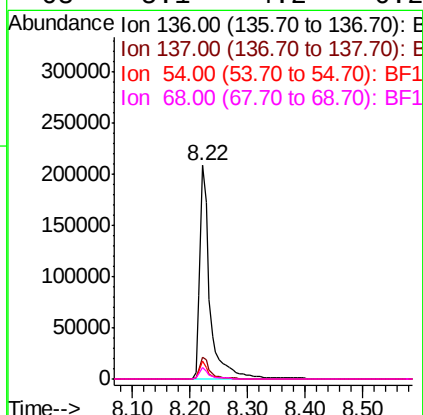
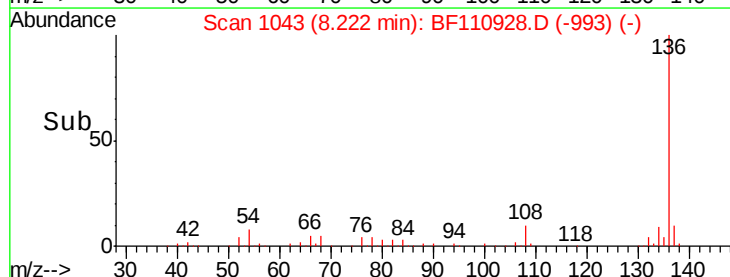
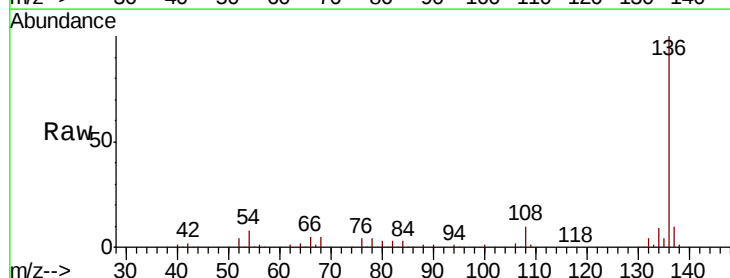
Instrument :
BNA_F
ClientSampled :

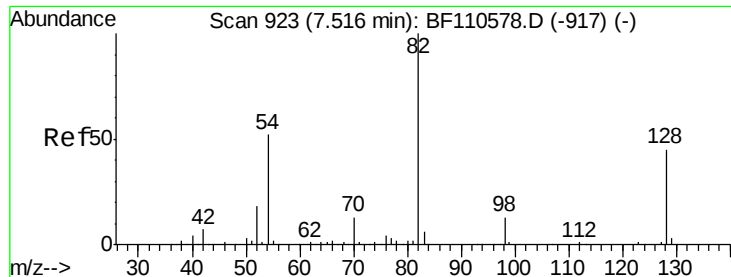
Tot Ion: 70 Resp: 39781
Ion Ratio Lower Upper
70 100
42 50.6 47.4 71.2
101 0.0 7.3 10.9#
130 2.3 16.2 24.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.22 min Scan# 1043
Delta R.T. -0.01 min
Lab File: BF110928.D
Acq: 21 Nov 2018 15:10

Tgt Ion:136 Resp: 258434
Ion Ratio Lower Upper
136 100
137 10.3 8.8 13.2
54 8.4 5.4 8.2#
68 5.1 4.2 6.2

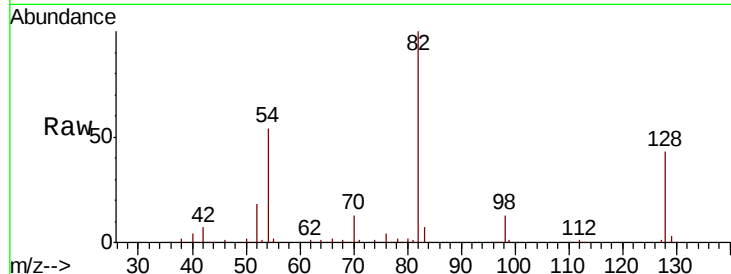




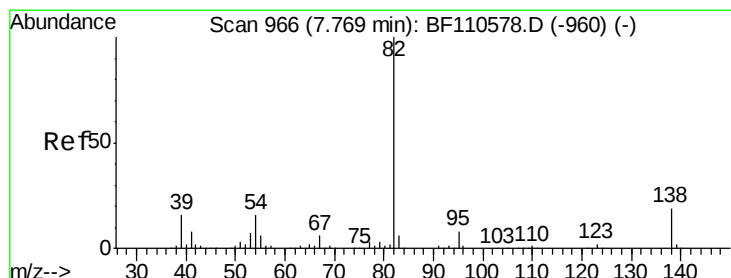
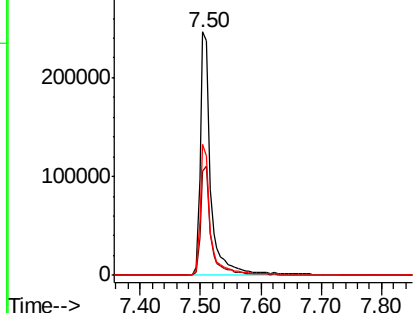
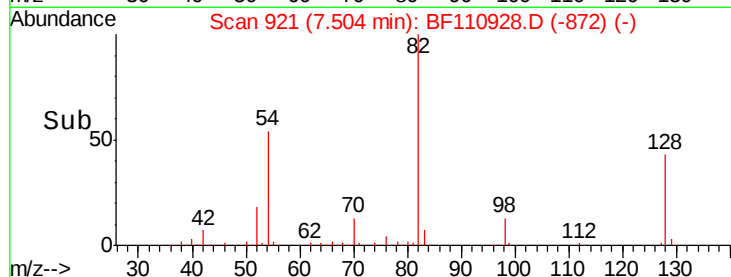
#23
 Nitrobenzene-d5
 Concen: 68.952 ng
 RT: 7.50 min Scan# 921
 Delta R.T. -0.01 min
 Lab File: BF110928.D
 Acq: 21 Nov 2018 15:10

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	82	Resp	309424
Ion Ratio	Lower	Upper	
82	100		
128	42.9	34.2	51.2
54	54.0	38.6	58.0

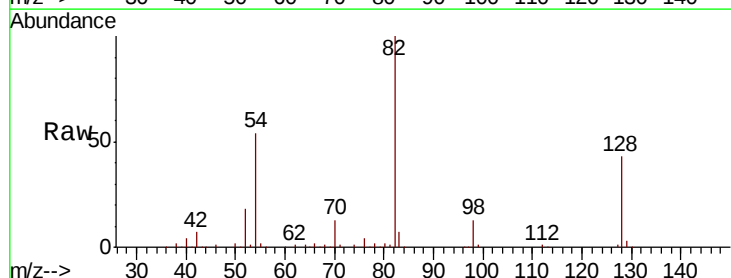


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

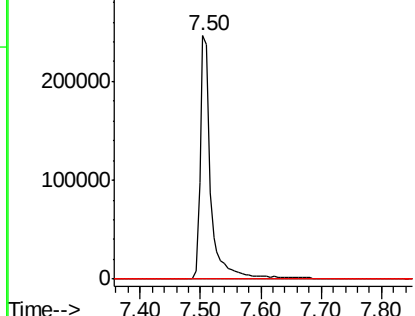
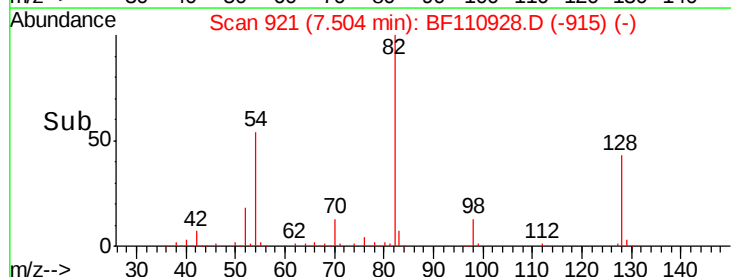


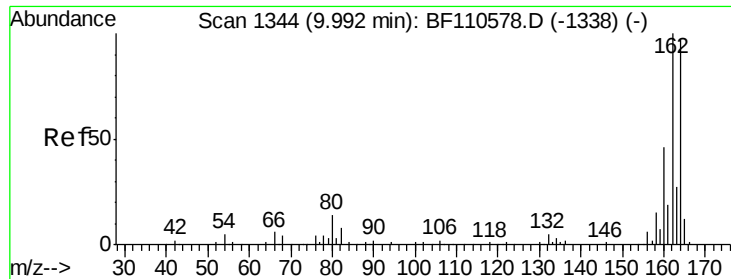
#25
 Isophorone
 Concen: 42.069 ng
 RT: 7.50 min Scan# 921
 Delta R.T. -0.26 min
 Lab File: BF110928.D
 Acq: 21 Nov 2018 15:10

Tgt Ion	82	Resp	309424
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: BF110928.D

Acq: 21 Nov 2018 15:10

Instrument :

BNA_F

ClientSampleId :

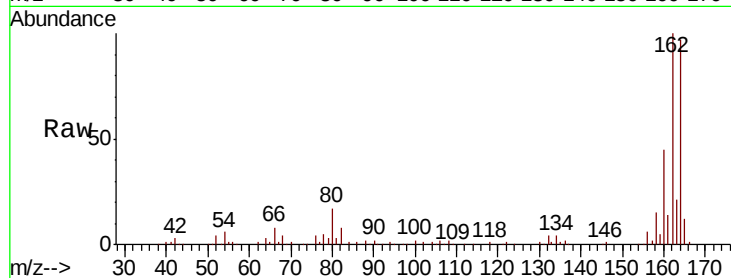
Tot Ion:164 Resp: 117544

Ion Ratio Lower Upper

164 100

162 103.6 83.0 124.6

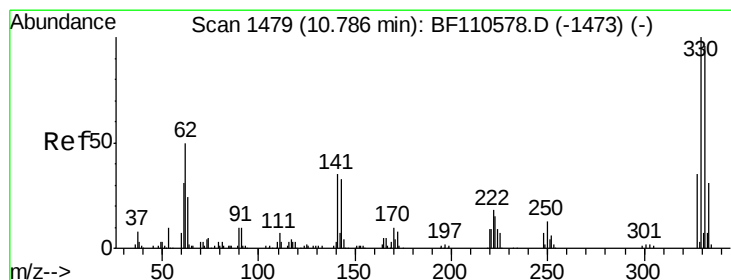
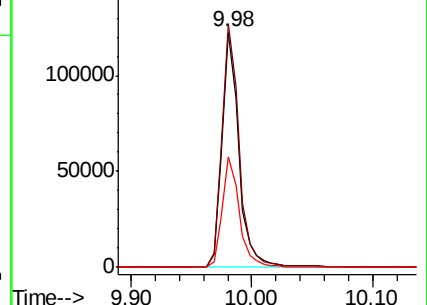
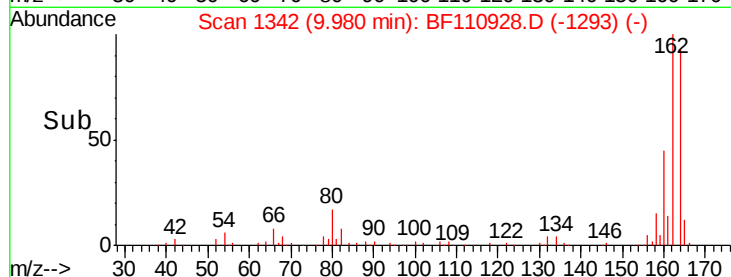
160 46.9 37.0 55.6



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42

2,4,6-Tribromophenol

Concen: 85.376 ng

RT: 10.78 min Scan# 1478

Delta R.T. -0.01 min

Lab File: BF110928.D

Acq: 21 Nov 2018 15:10

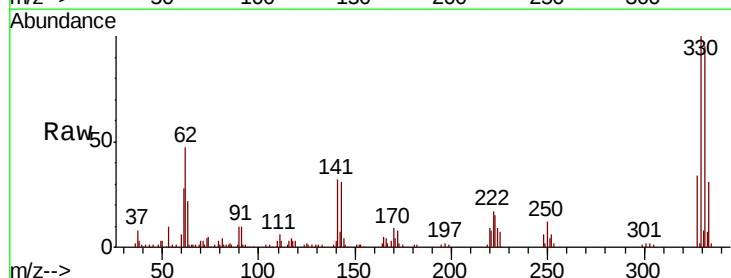
Tgt Ion:330 Resp: 101120

Ion Ratio Lower Upper

330 100

332 95.2 77.1 115.7

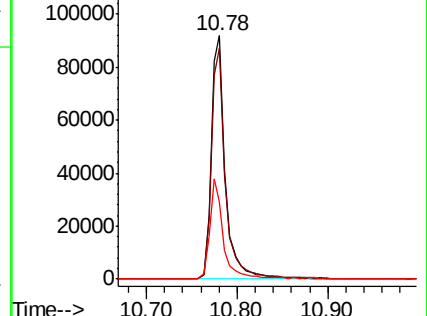
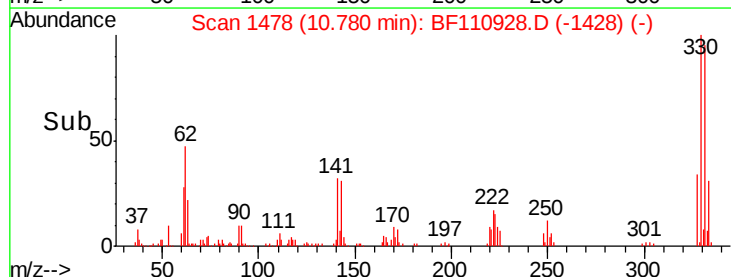
141 39.4 27.0 40.4

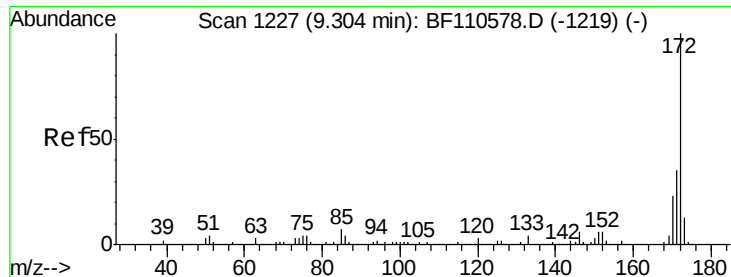


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

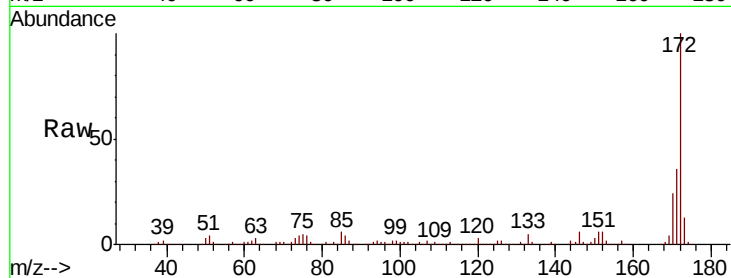




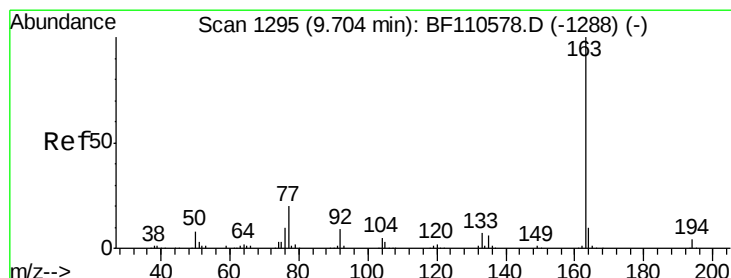
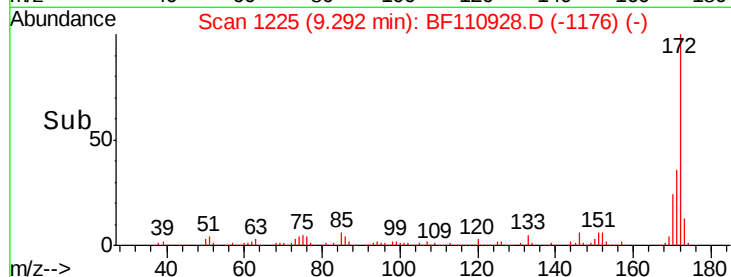
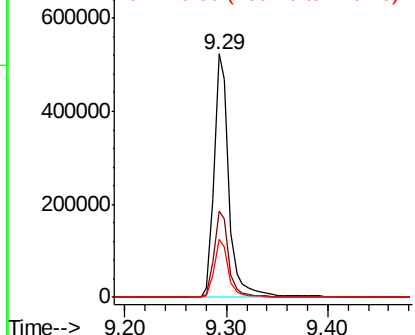
#45
2-Fluorobiphenyl
Concen: 65.918 ng
RT: 9.29 min Scan# 1225
Delta R.T. -0.01 min
Lab File: BF110928.D
Acq: 21 Nov 2018 15:10

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 542529
Ion Ratio Lower Upper
172 100
171 35.5 28.6 43.0
170 23.7 19.7 29.5

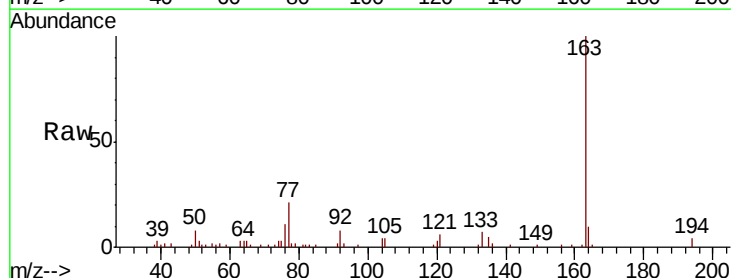


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

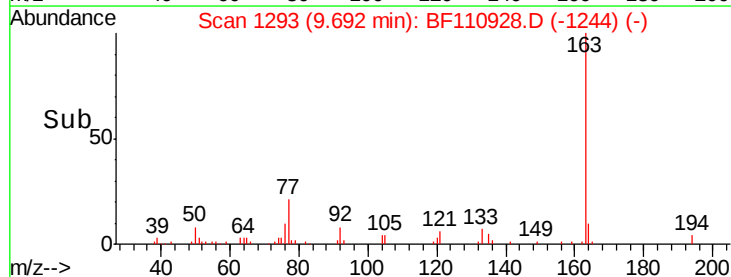
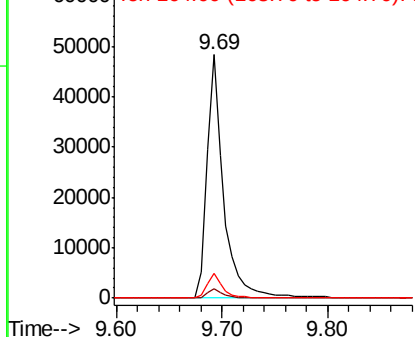


#50
Dimethylphthalate
Concen: 6.030 ng
RT: 9.69 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BF110928.D
Acq: 21 Nov 2018 15:10

Tgt Ion:163 Resp: 52892
Ion Ratio Lower Upper
163 100
194 3.7 3.2 4.8
164 10.0 8.1 12.1



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

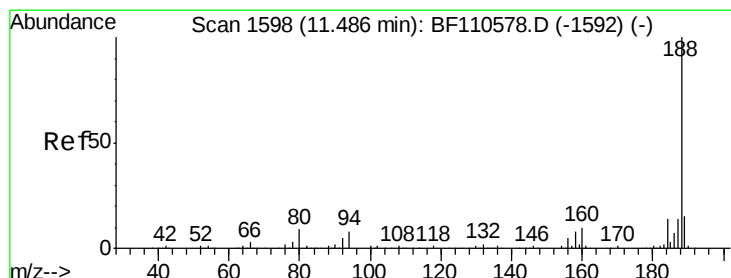
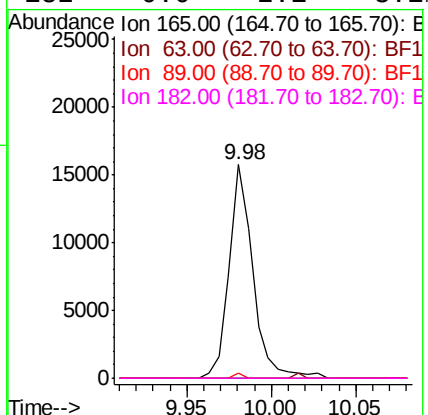
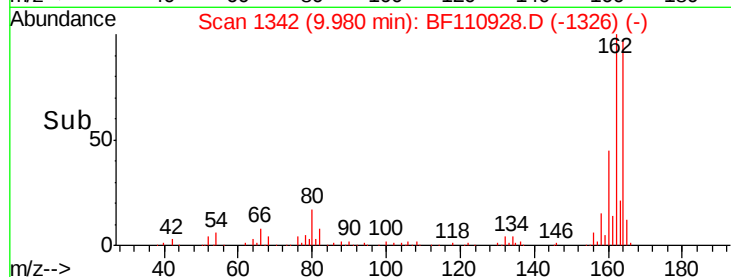
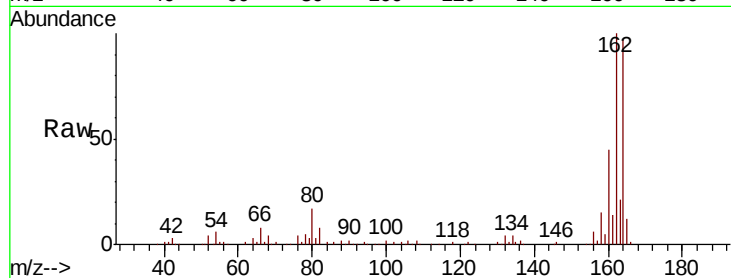




#57
 2,4-Dinitrotoluene
 Concen: 6.157 ng
 RT: 9.98 min Scan# 1342
 Delta R.T. -0.21 min
 Lab File: BF110928.D
 Acq: 21 Nov 2018 15:10

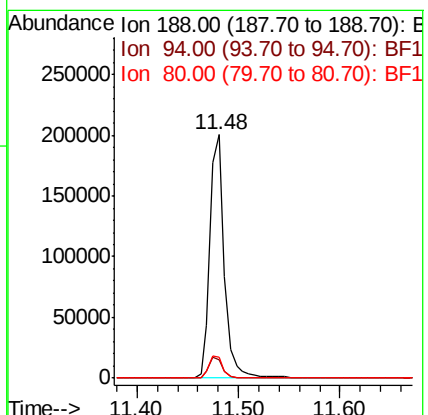
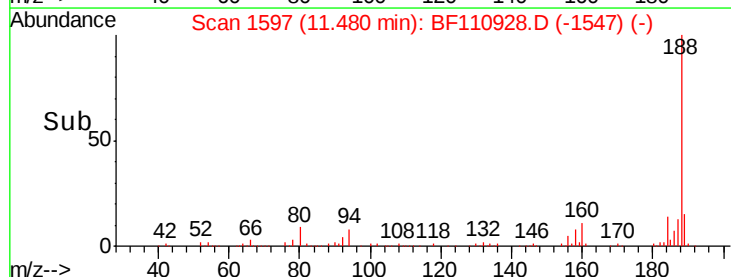
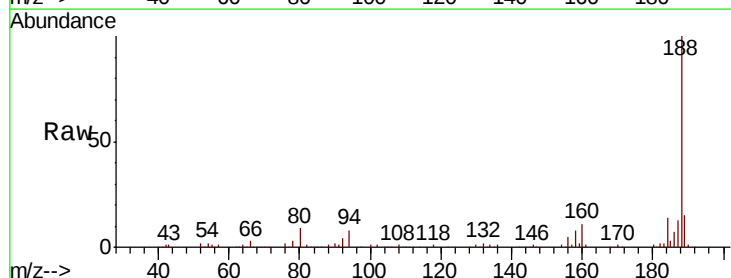
Instrument :
 BNA_F
 ClientSampleId :

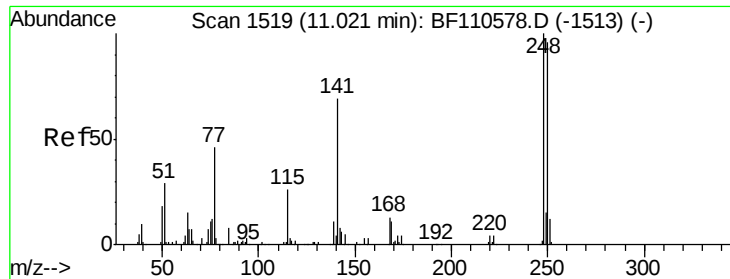
Tot Ion:	165	Resp:	15445
Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.8	67.2#
89	2.5	62.2	93.4#
182	0.0	2.1	3.1#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.48 min Scan# 1597
 Delta R.T. -0.01 min
 Lab File: BF110928.D
 Acq: 21 Nov 2018 15:10

Tgt Ion:	188	Resp:	198371
Ion	Ratio	Lower	Upper
188	100		
94	7.7	7.2	10.8
80	8.8	7.9	11.9

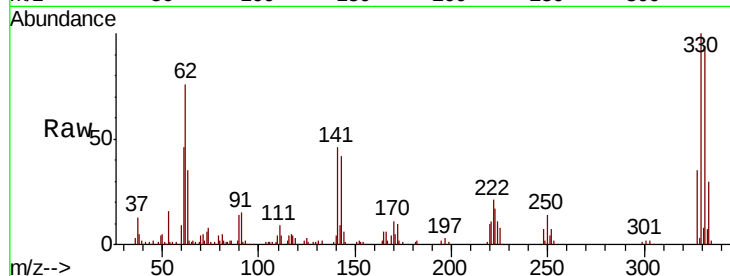




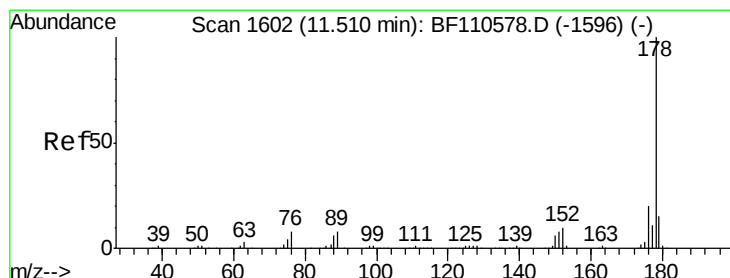
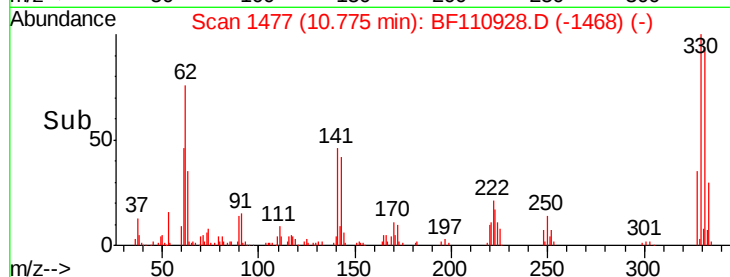
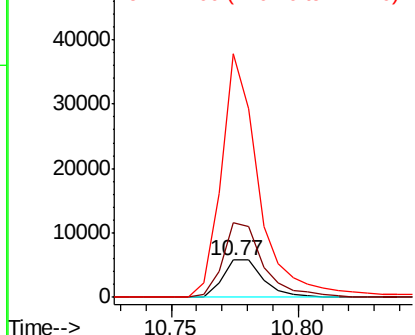
#67
4-Bromophenyl-phenylether
Concen: 2.945 ng
RT: 10.77 min Scan# 1477
Delta R.T. -0.25 min
Lab File: BF110928.D
Acq: 21 Nov 2018 15:10

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 6457
Ion Ratio Lower Upper
248 100
250 199.0 79.4 119.2#
141 651.0 55.9 83.9#

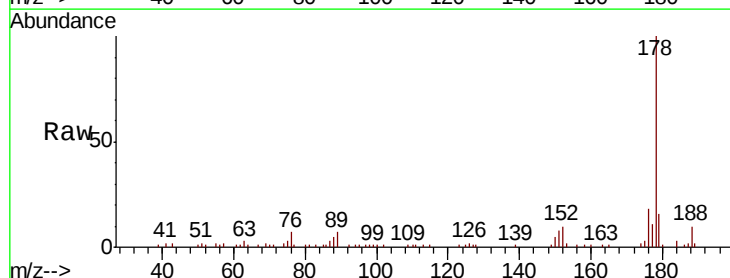


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

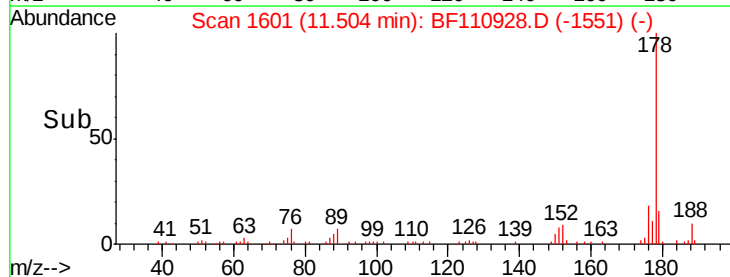
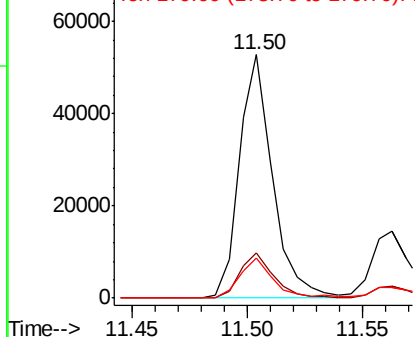


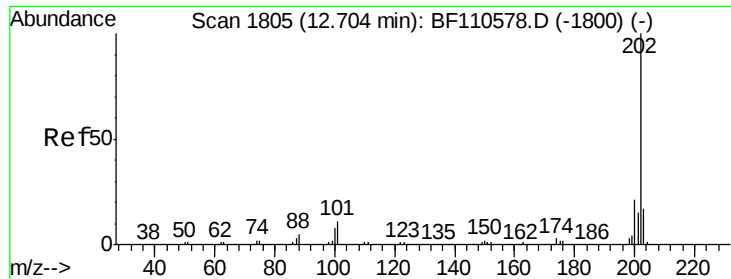
#71
Phenanthrene
Concen: 4.983 ng
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: BF110928.D
Acq: 21 Nov 2018 15:10

Tgt Ion:178 Resp: 52958
Ion Ratio Lower Upper
178 100
176 18.4 15.5 23.3
179 16.2 12.5 18.7



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





#75

Fluoranthene

Concen: 11.722 ng

RT: 12.70 min Scan# 1804

Delta R.T. -0.01 min

Lab File: BF110928.D

Acq: 21 Nov 2018 15:10

Instrument :

BNA_F

ClientSampleId :

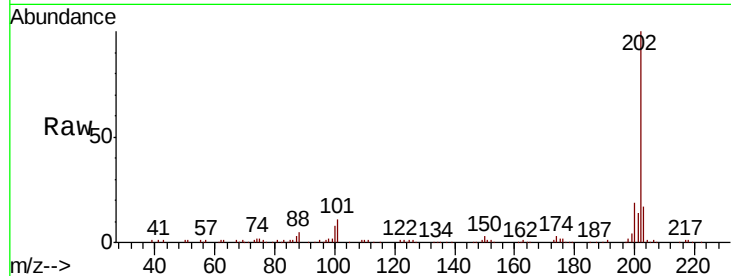
Tot Ion:202 Resp: 124896

Ion Ratio Lower Upper

202 100

101 10.8 0.0 31.4

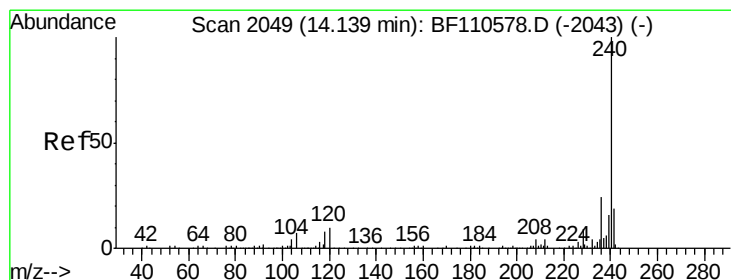
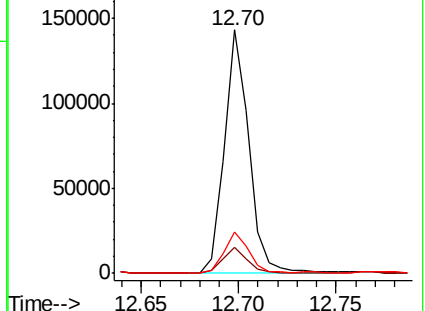
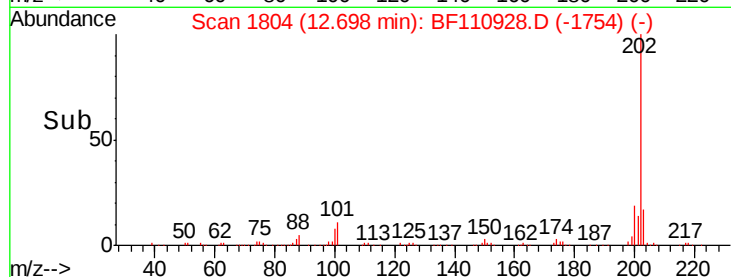
203 16.9 0.0 37.7



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# 2048

Delta R.T. -0.01 min

Lab File: BF110928.D

Acq: 21 Nov 2018 15:10

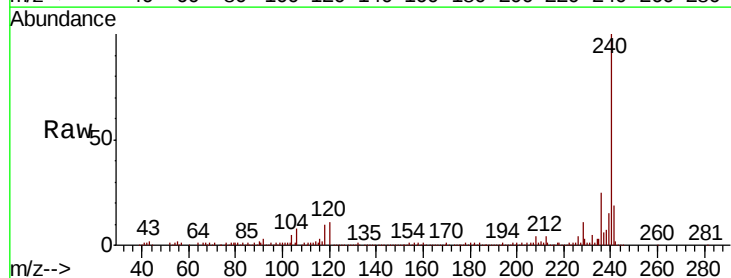
Tgt Ion:240 Resp: 137606

Ion Ratio Lower Upper

240 100

120 11.1 8.3 12.5

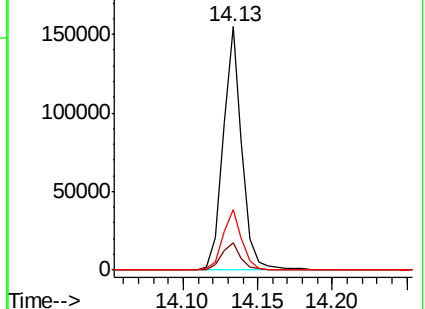
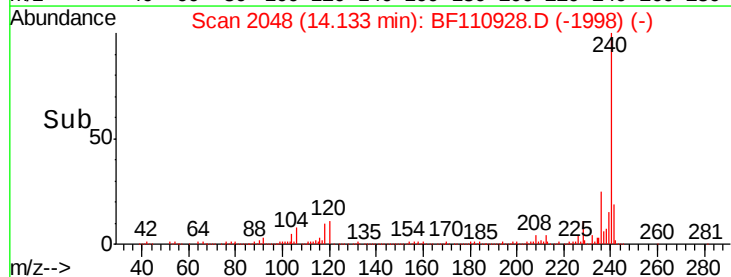
236 24.7 21.2 31.8

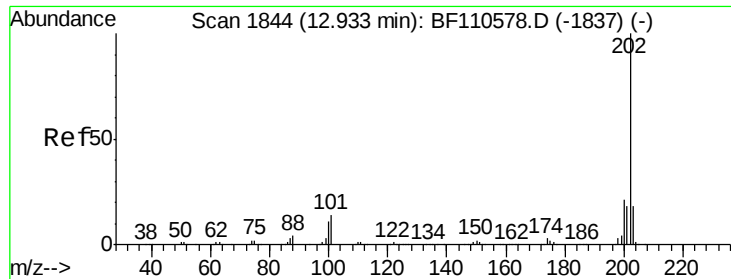


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 11.322 ng

RT: 12.93 min Scan# 1844

Delta R.T. 0.00 min

Lab File: BF110928.D

Acq: 21 Nov 2018 15:10

Instrument :

BNA_F

ClientSampleId :

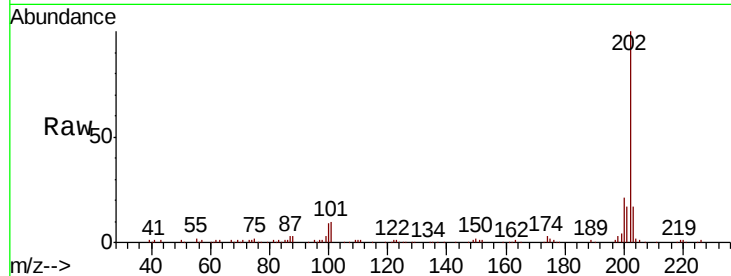
Tot Ion:202 Resp: 119960

Ion Ratio Lower Upper

202 100

200 20.9 17.8 26.6

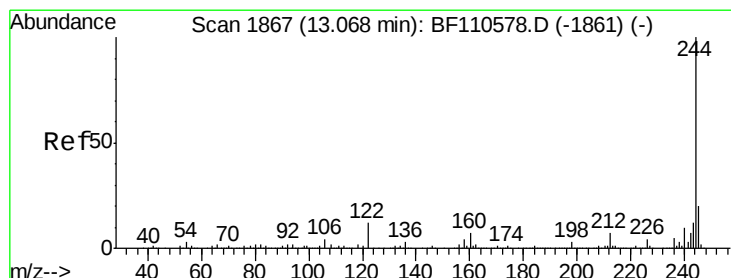
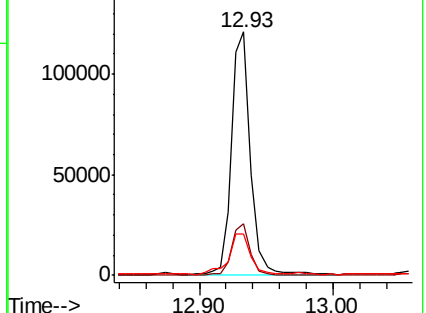
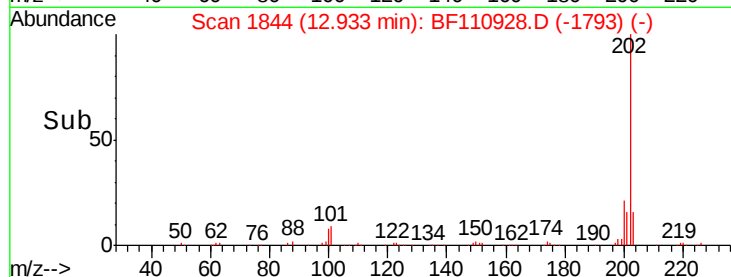
203 17.0 14.2 21.4



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: 54.265 ng

RT: 13.06 min Scan# 1865

Delta R.T. -0.01 min

Lab File: BF110928.D

Acq: 21 Nov 2018 15:10

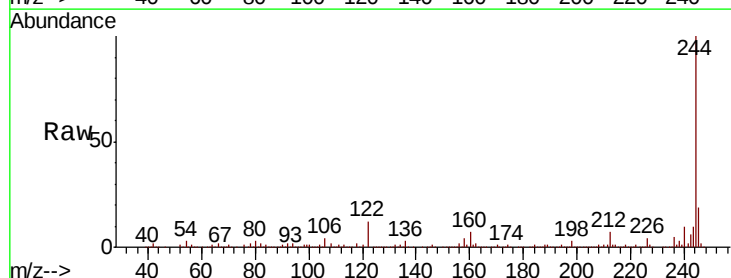
Tgt Ion:244 Resp: 398722

Ion Ratio Lower Upper

244 100

212 7.1 5.8 8.8

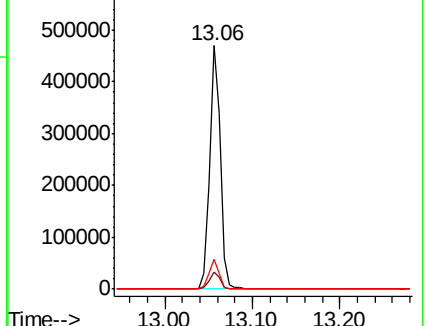
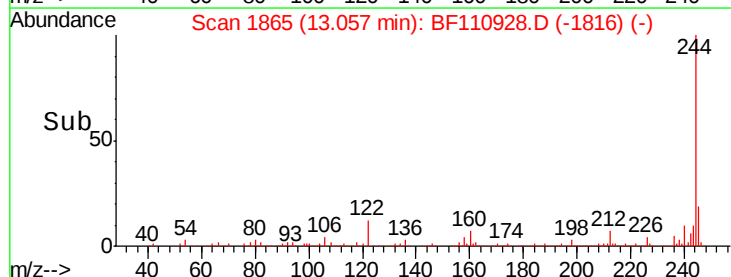
122 12.3 8.7 13.1

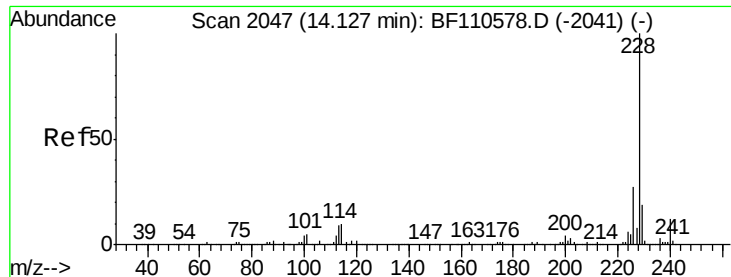


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

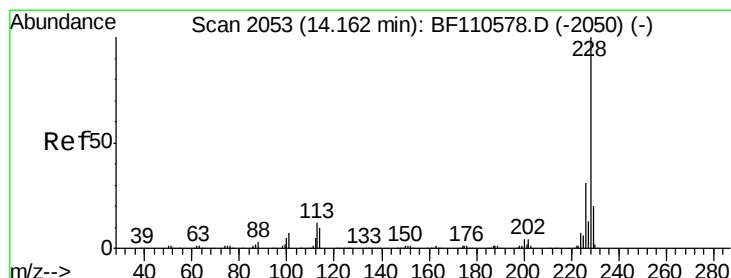
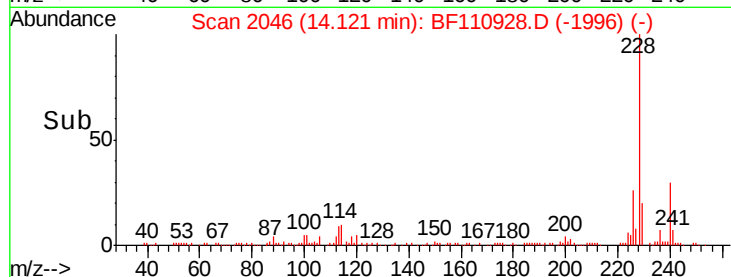
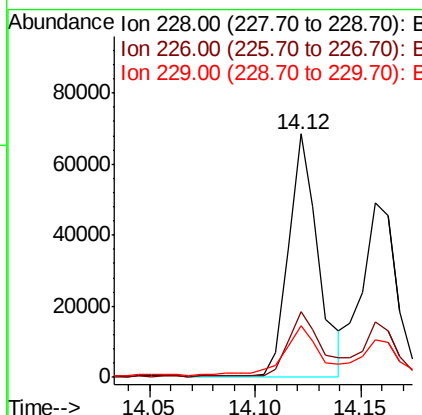
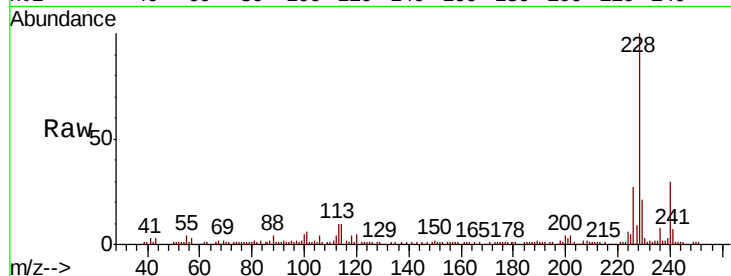




#81
Benzo(a)anthracene
Concen: 8.228 ng
RT: 14.12 min Scan# 2046
Delta R.T. -0.01 min
Lab File: BF110928.D
Acq: 21 Nov 2018 15:10

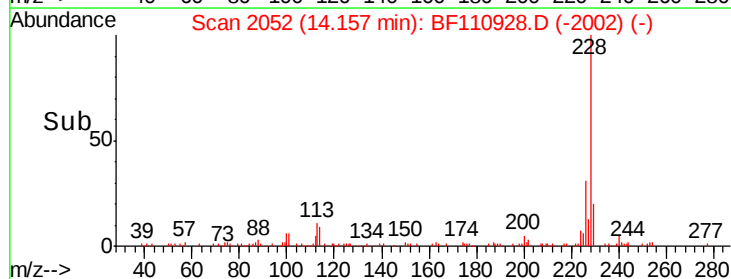
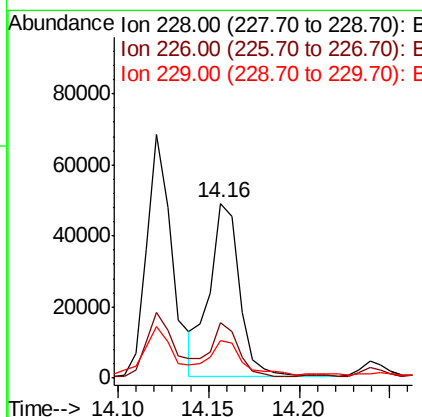
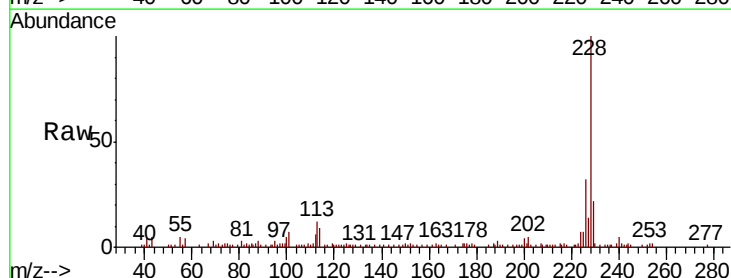
Instrument :
BNA_F
ClientSampleId :

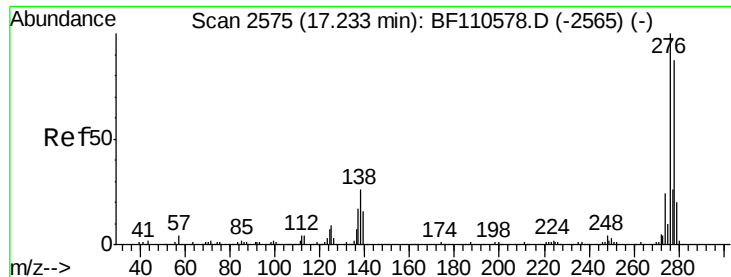
Tot Ion:228 Resp: 67676
Ion Ratio Lower Upper
228 100
226 27.2 22.1 33.1
229 21.4 15.6 23.4



#83
Chrysene
Concen: 7.204 ng
RT: 14.16 min Scan# 2052
Delta R.T. -0.01 min
Lab File: BF110928.D
Acq: 21 Nov 2018 15:10

Tgt Ion:228 Resp: 56448
Ion Ratio Lower Upper
228 100
226 31.8 24.7 37.1
229 21.6 15.9 23.9

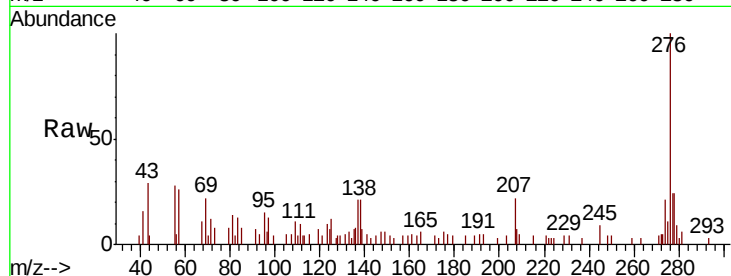




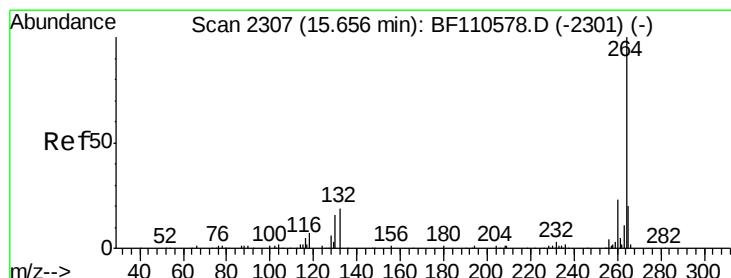
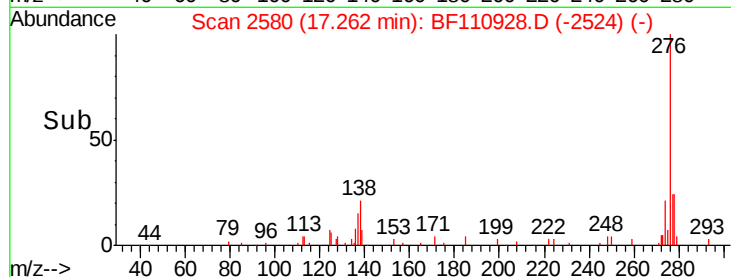
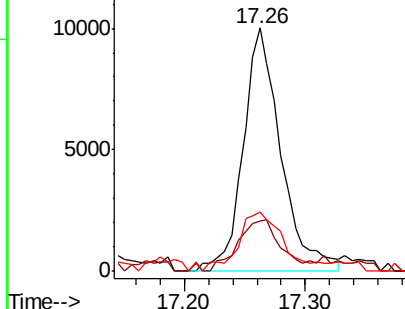
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 3.881 ng
 RT: 17.26 min Scan# 2580
 Delta R.T. 0.03 min
 Lab File: BF110928.D
 Acq: 21 Nov 2018 15:10

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	23.7	18.5	27.7
277	29.8	20.0	30.0

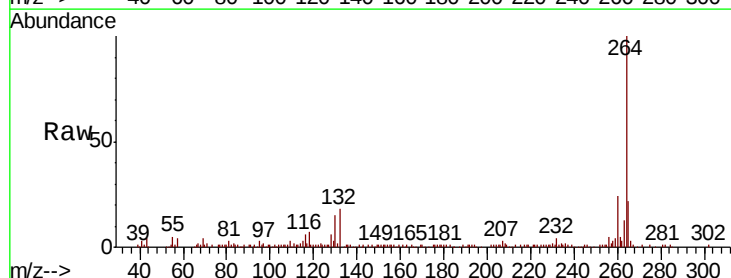


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

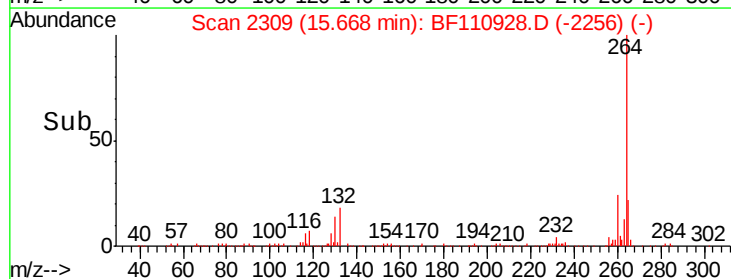
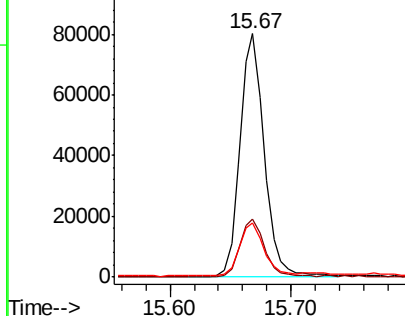


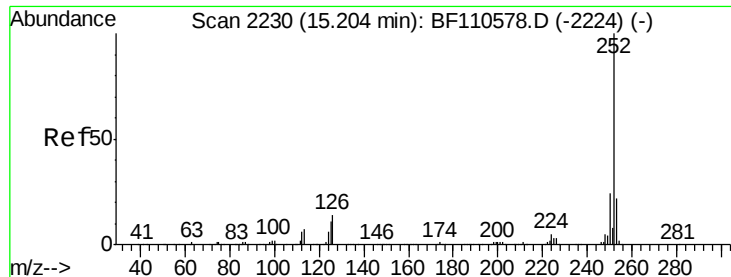
#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.67 min Scan# 2309
 Delta R.T. 0.01 min
 Lab File: BF110928.D
 Acq: 21 Nov 2018 15:10

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	18.7	28.1
265	22.2	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

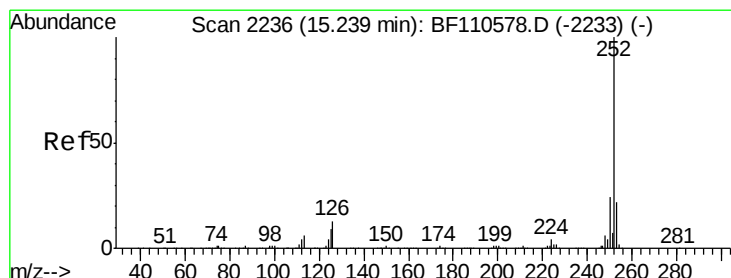
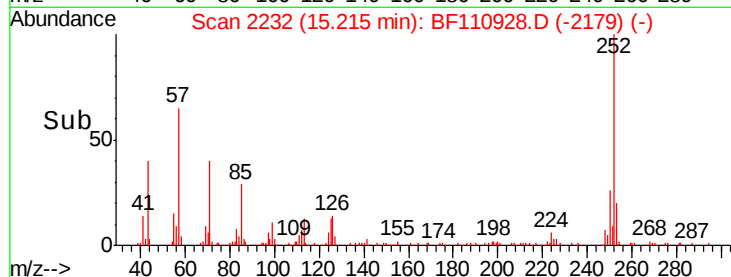
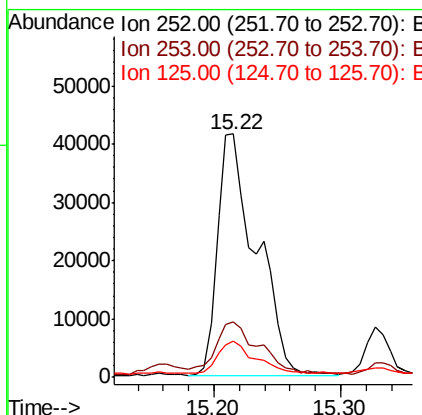
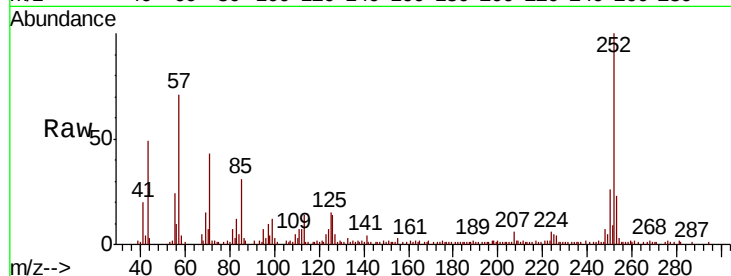




#88
Benzo(b)fluoranthene
Concen: 13.068 ng
RT: 15.22 min Scan# 2232
Delta R.T. 0.01 min
Lab File: BF110928.D
Acq: 21 Nov 2018 15:10

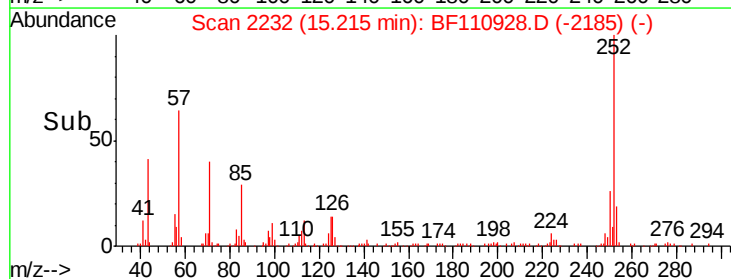
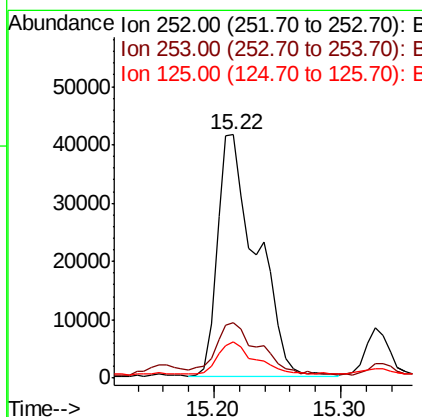
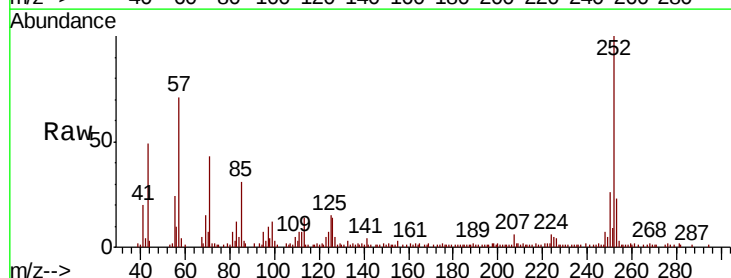
Instrument :
BNA_F
ClientSampled :

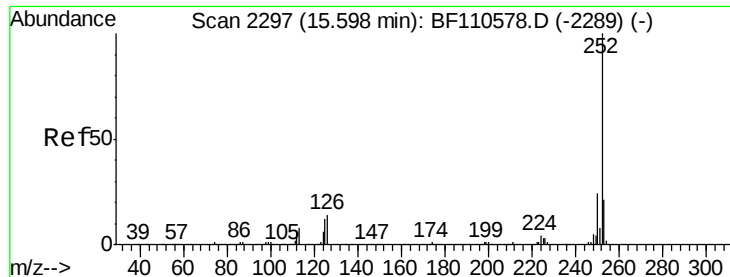
Tot Ion:252 Resp: 88685
Ion Ratio Lower Upper
252 100
253 22.7 17.2 25.8
125 14.8 8.2 12.4#



#89
Benzo(k)fluoranthene
Concen: 13.225 ng
RT: 15.22 min Scan# 2232
Delta R.T. -0.02 min
Lab File: BF110928.D
Acq: 21 Nov 2018 15:10

Tgt Ion:252 Resp: 88685
Ion Ratio Lower Upper
252 100
253 22.7 17.2 25.8
125 14.8 7.4 11.0#





#90

Benzo(a)pyrene

Concen: 7.416 ng

RT: 15.60 min Scan# 2298

Delta R.T. 0.01 min

Lab File: BF110928.D

Acq: 21 Nov 2018 15:10

Instrument :

BNA_F

ClientSampled :

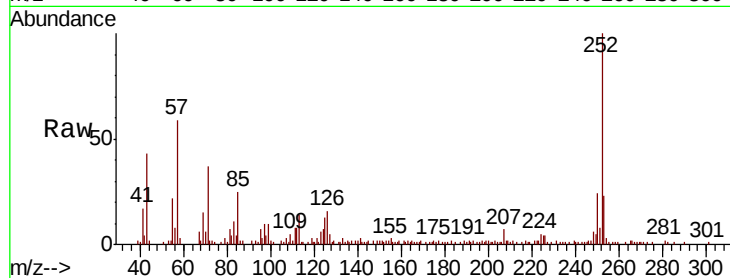
Tot Ion:252 Resp: 45727

Ion Ratio Lower Upper

252 100

253 23.3 18.2 27.4

125 12.6 9.0 13.6

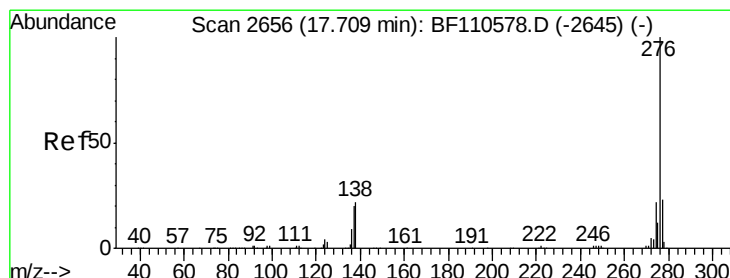
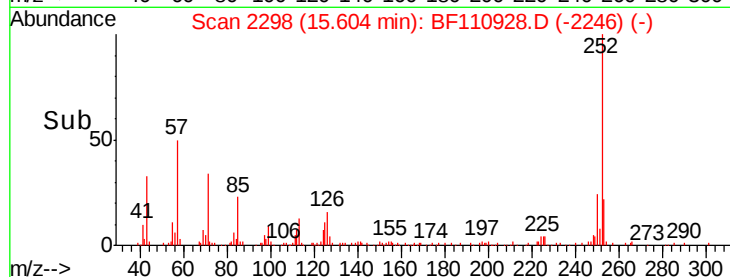
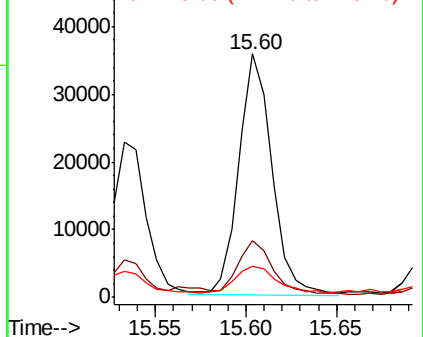


Abundance

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: 3.762 ng

RT: 17.75 min Scan# 2663

Delta R.T. 0.04 min

Lab File: BF110928.D

Acq: 21 Nov 2018 15:10

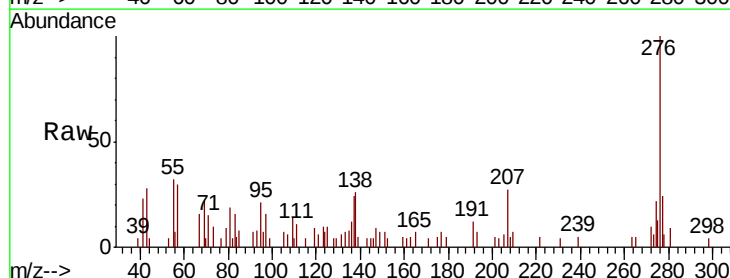
Tgt Ion:276 Resp: 19478

Ion Ratio Lower Upper

276 100

277 23.7 18.8 28.2

138 26.0 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

