

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF111618\
 Data File : BF110824.D
 Acq On : 16 Nov 2018 18:40
 Operator : JU/SJ
 Sample : J5964-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LR-RBR-200036

Quant Time: Nov 16 23:27:06 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	59710	20.00	ng	0.00
21) Naphthalene-d8	8.22	136	241512	20.00	ng	0.00
39) Acenaphthene-d10	9.98	164	109445	20.00	ng	-0.01
64) Phenanthrene-d10	11.47	188	167953	20.00	ng	-0.01
76) Chrysene-d12	14.13	240	137607	20.00	ng	-0.01
87) Perylene-d12	15.66	264	104386	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.56	112	443558	120.66	ng	0.00
7) Phenol-d6	6.57	99	555148	118.10	ng	0.00
23) Nitrobenzene-d5	7.50	82	357615	85.27	ng	-0.01
42) 2,4,6-Tribromophenol	10.77	330	111822	101.40	ng	-0.01
45) 2-Fluorobiphenyl	9.29	172	648154	84.58	ng	-0.01
79) Terphenyl-d14	13.06	244	458600	62.41	ng	-0.01

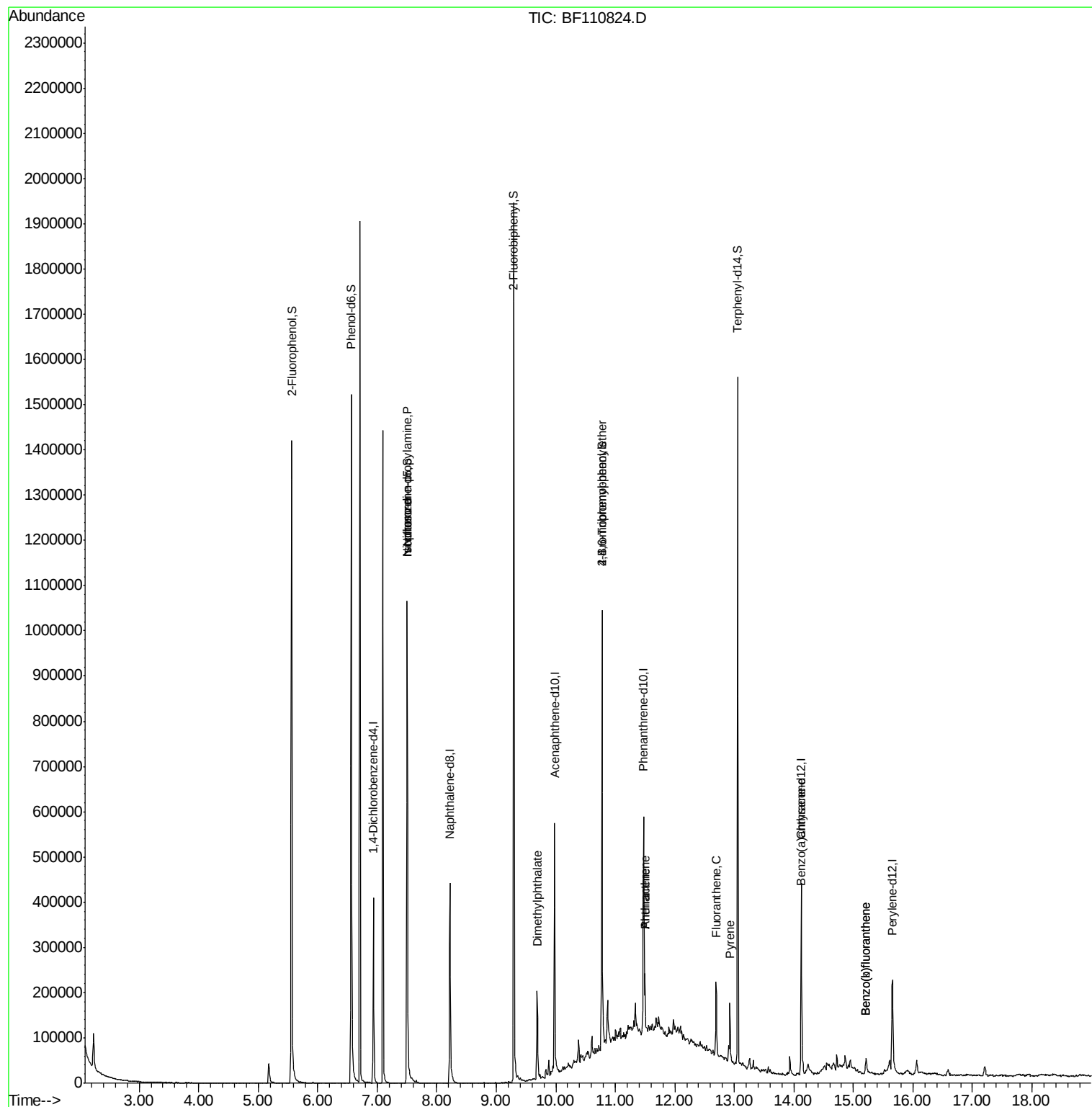
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.57	77	809	Below Cal		# 1
19) n-Nitroso-di-n-propylamine	7.50	70	46726	15.572	ng	# 79
25) Isophorone	7.50	82	357613	52.028	ng	# 67
50) Dimethylphthalate	9.69	163	85150	10.427	ng	# 99
67) 4-Bromophenyl-phenylether	10.77	248	7273	3.918	ng	# 1
71) Phenanthrene	11.50	178	39254	4.362	ng	# 98
72) Anthracene	11.50	178	39254	4.325	ng	# 99
75) Fluoranthene	12.69	202	67219	7.451	ng	# 97
78) Pyrene	12.93	202	52483	4.953	ng	# 96
81) Benzo(a)anthracene	14.12	228	16865	2.050	ng	# 96
88) Benzo(b)fluoranthene	15.20	252	13198	2.113	ng	# 93
89) Benzo(k)fluoranthene	15.20	252	13198	2.139	ng	# 93

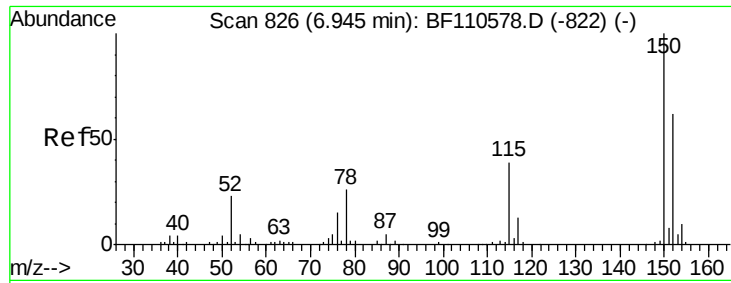
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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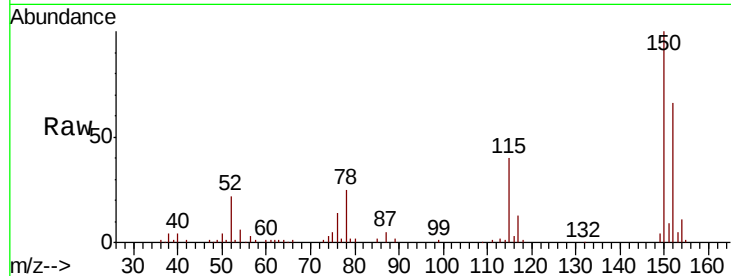


#1

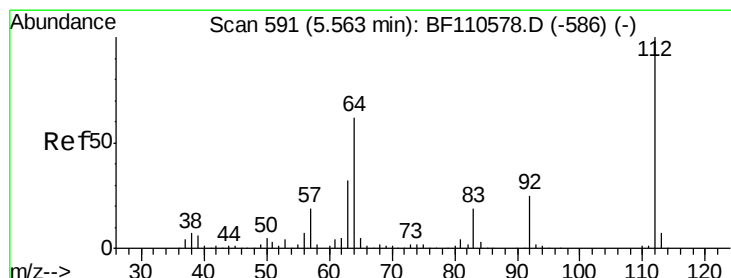
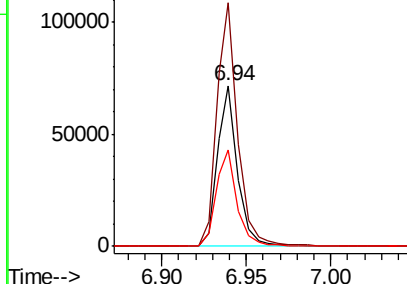
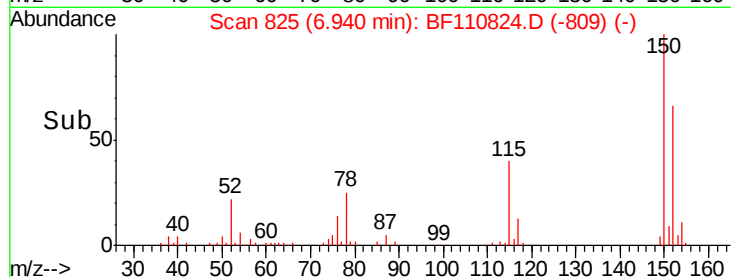
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.94 min Scan# 825
Delta R.T. -0.01 min
Lab File: BF110824.D
Acq: 16 Nov 2018 18:40

Instrument :
BNA_F
ClientSampleId :
LR-RBR-200036

Tgt Ion:152 Resp: 59710
Ion Ratio Lower Upper
152 100
150 151.6 122.7 184.1
115 60.4 49.1 73.7



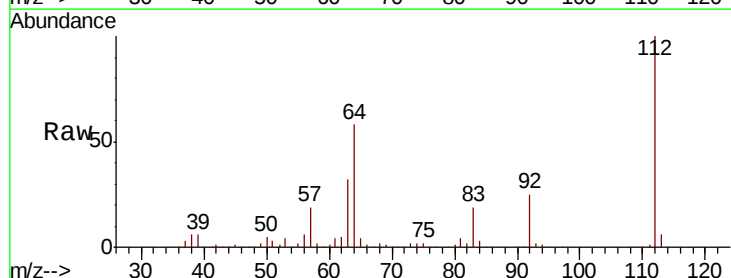
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



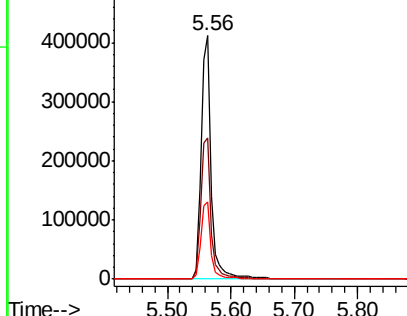
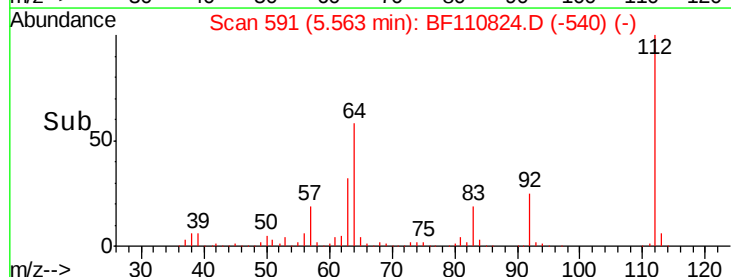
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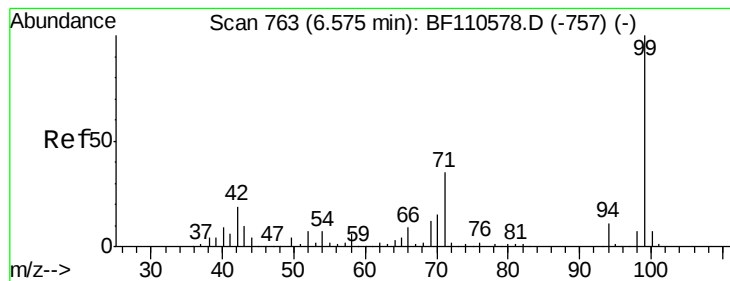
2-Fluorophenol
Concen: 120.663 ng
RT: 5.56 min Scan# 591
Delta R.T. 0.00 min
Lab File: BF110824.D
Acq: 16 Nov 2018 18:40

Tgt Ion:112 Resp: 443558
Ion Ratio Lower Upper
112 100
64 58.1 44.1 66.1
63 31.6 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 118.098 ng

RT: 6.57 min Scan# 762

Delta R.T. -0.01 min

Lab File: BF110824.D

Acq: 16 Nov 2018 18:40

Instrument :

BNA_F

ClientSampleId :

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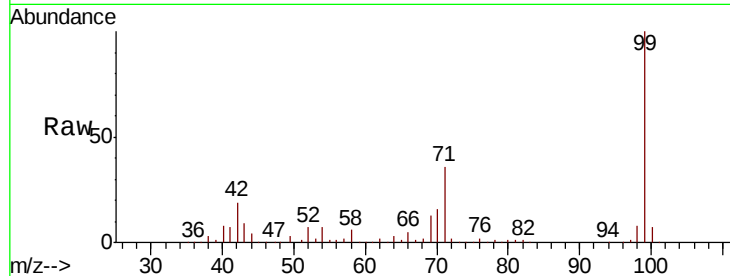
Tgt Ion: 99 Resp: 555148

Ion Ratio Lower Upper

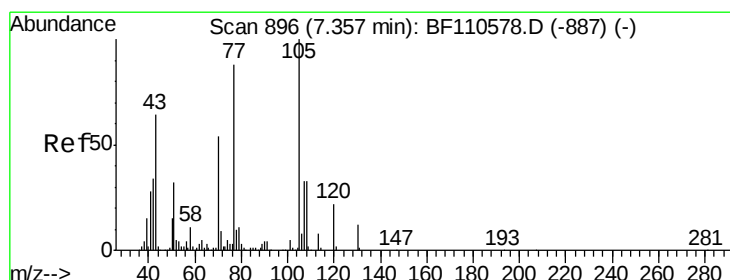
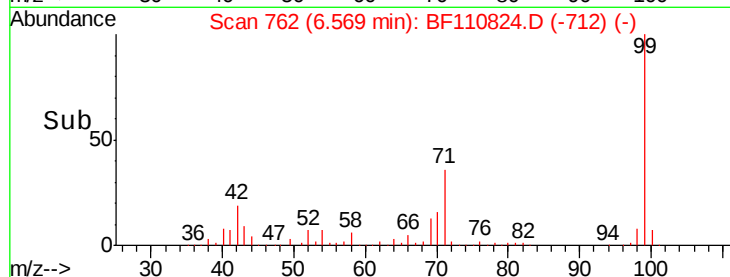
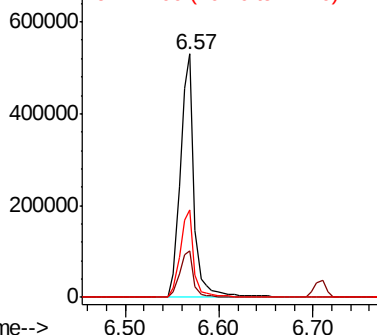
99 100

42 19.0 15.8 23.6

71 35.7 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



#19

n-Nitroso-di-n-propylamine

Concen: 15.572 ng

RT: 7.50 min Scan# 921

Delta R.T. 0.15 min

Lab File: BF110824.D

Acq: 16 Nov 2018 18:40

Tgt Ion: 70 Resp: 46726

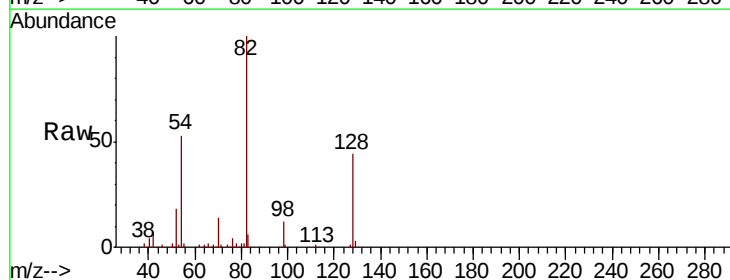
Ion Ratio Lower Upper

70 100

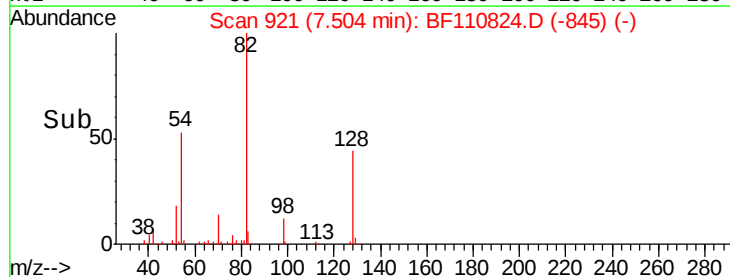
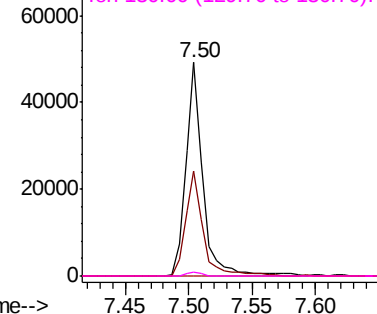
42 48.9 47.4 71.2

101 0.0 7.3 10.9#

130 1.9 16.2 24.2#



Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): BF1
Ion 130.00 (129.70 to 130.70): BF1

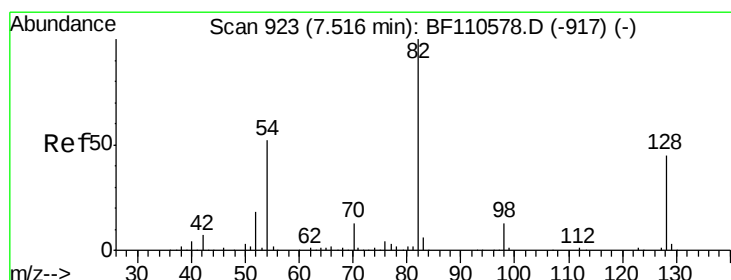
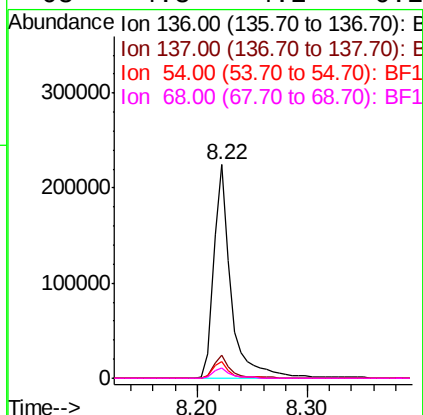
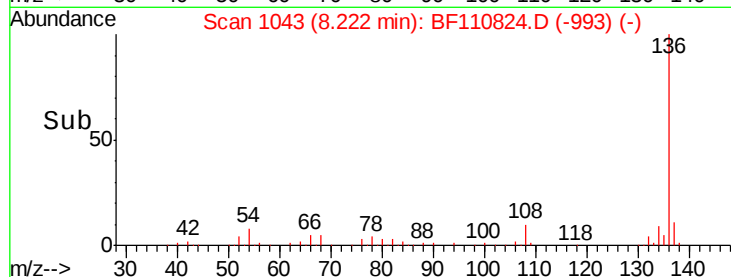
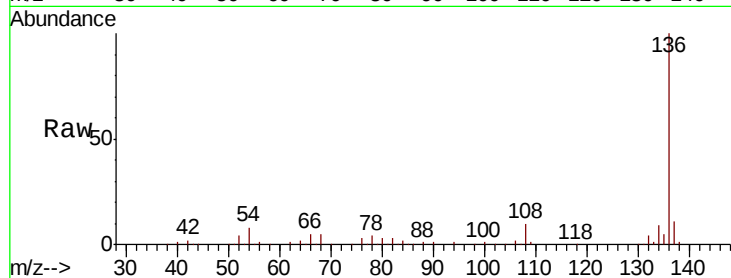




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.22 min Scan# 1043
Delta R.T. -0.01 min
Lab File: BF110824.D
Acq: 16 Nov 2018 18:40

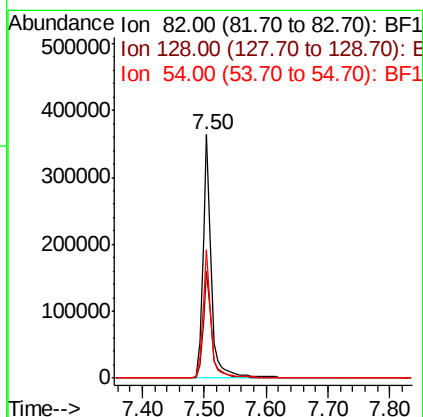
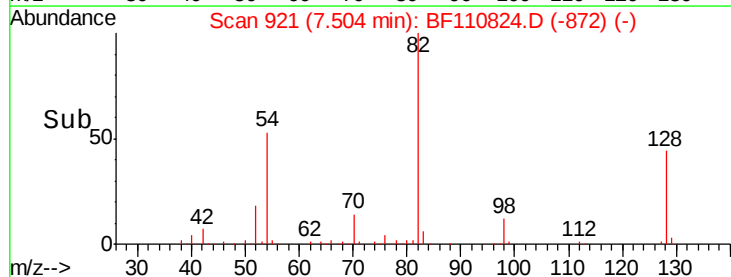
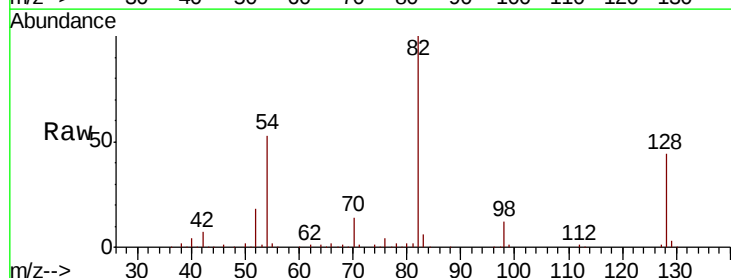
Instrument :
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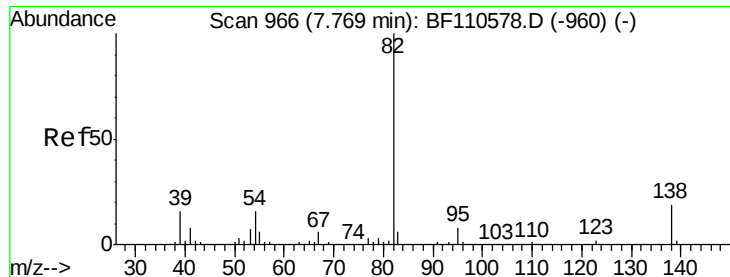
Tgt Ion:	136	Resp:	241512
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	7.7	5.4	8.2
68	4.8	4.2	6.2



#23
Nitrobenzene-d5
Concen: 85.275 ng
RT: 7.50 min Scan# 921
Delta R.T. -0.01 min
Lab File: BF110824.D
Acq: 16 Nov 2018 18:40

Tgt Ion:	82	Resp:	357615
Ion	Ratio	Lower	Upper
82	100		
128	44.0	34.2	51.2
54	52.7	38.6	58.0

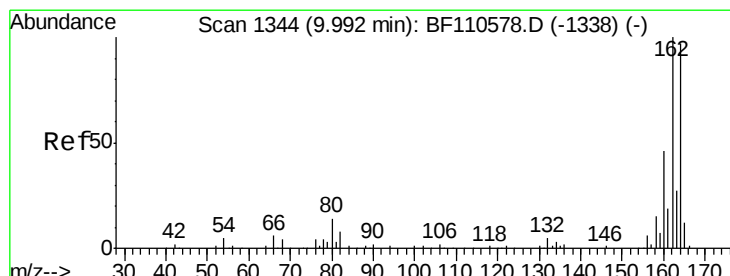
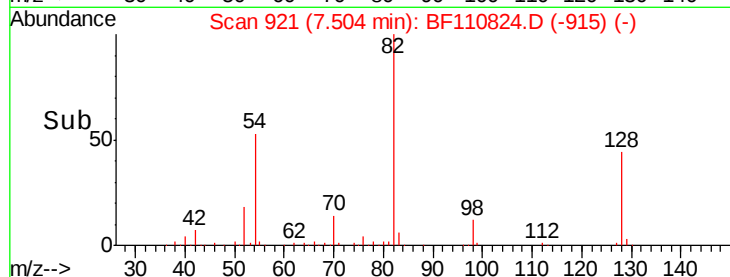
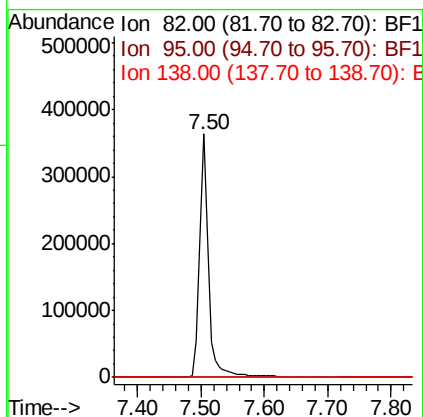
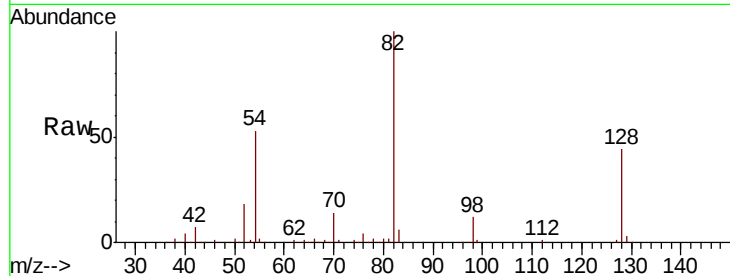




#25
Isophorone
Concen: 52.028 ng
RT: 7.50 min Scan# 921
Delta R.T. -0.26 min
Lab File: BF110824.D
Acq: 16 Nov 2018 18:40

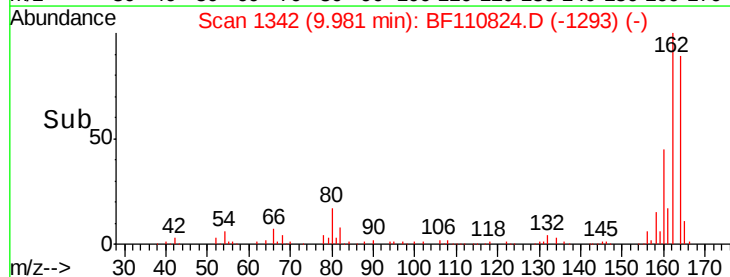
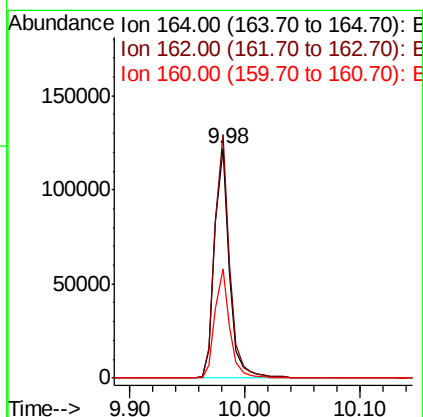
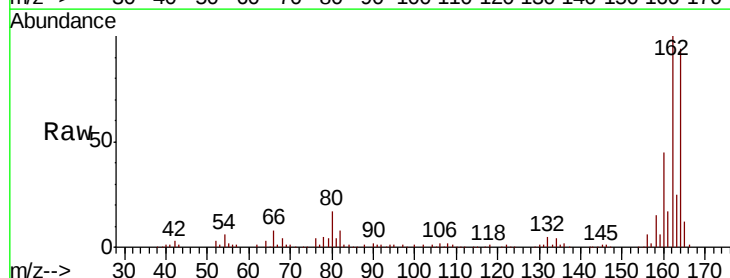
Instrument :
BNA_F
ClientSampleId :
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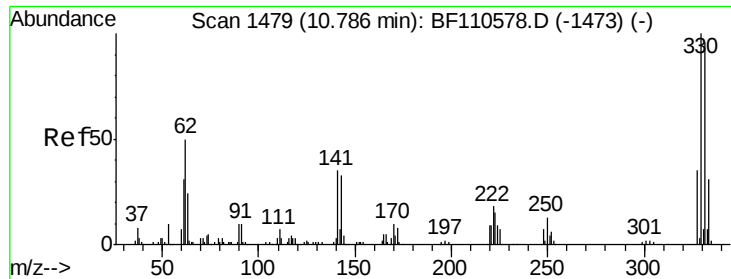
Tgt Ion: 82 Resp: 357613
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 13.2 19.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.98 min Scan# 1342
Delta R.T. -0.01 min
Lab File: BF110824.D
Acq: 16 Nov 2018 18:40

Tgt Ion: 164 Resp: 109445
Ion Ratio Lower Upper
164 100
162 106.3 83.0 124.6
160 47.8 37.0 55.6





#42

2,4,6-Tribromophenol

Concen: 101.399 ng

RT: 10.77 min Scan# 1477

Delta R.T. -0.01 min

Lab File: BF110824.D

Acq: 16 Nov 2018 18:40

Instrument :

BNA_F

ClientSampleId :

LR-RBR-200036

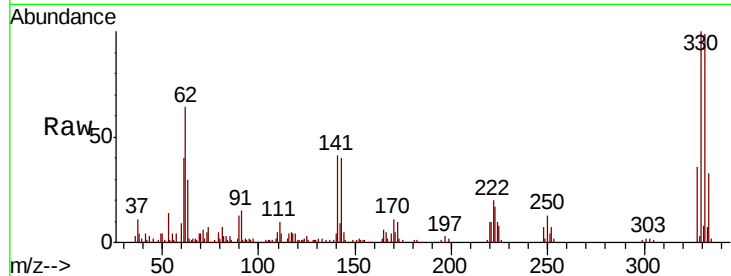
Tgt Ion:330 Resp: 111822

Ion Ratio Lower Upper

330 100

332 97.8 77.1 115.7

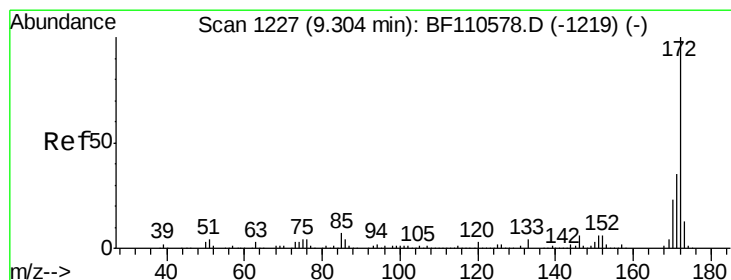
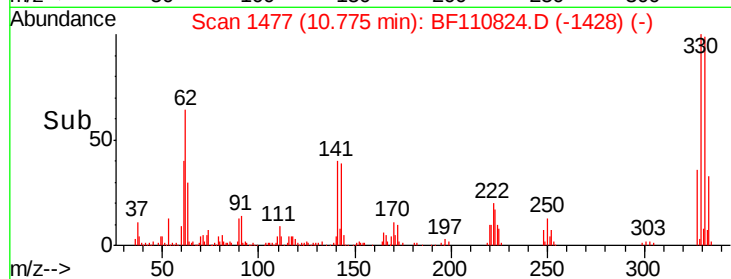
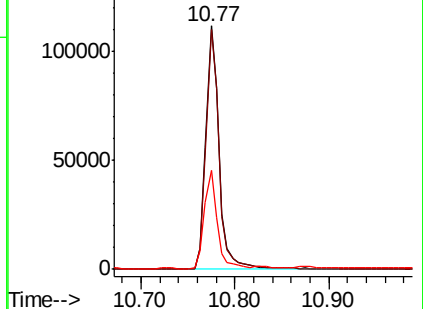
141 38.5 27.0 40.4



Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45

2-Fluorobiphenyl

Concen: 84.580 ng

RT: 9.29 min Scan# 1225

Delta R.T. -0.01 min

Lab File: BF110824.D

Acq: 16 Nov 2018 18:40

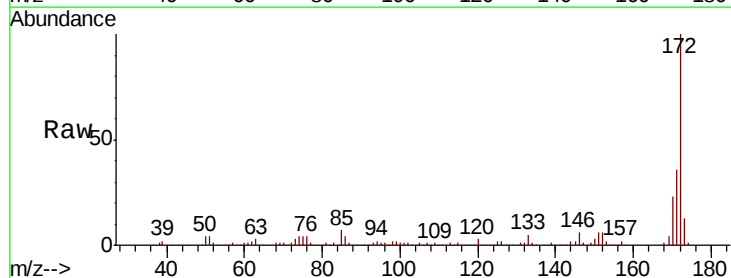
Tgt Ion:172 Resp: 648154

Ion Ratio Lower Upper

172 100

171 35.7 28.6 43.0

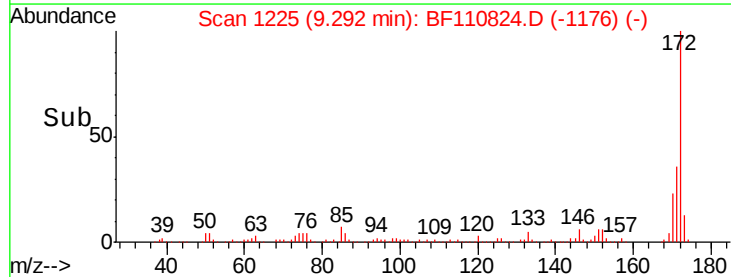
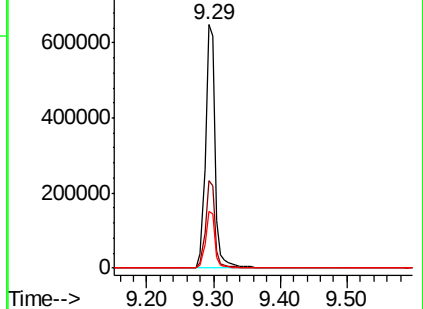
170 23.5 19.7 29.5

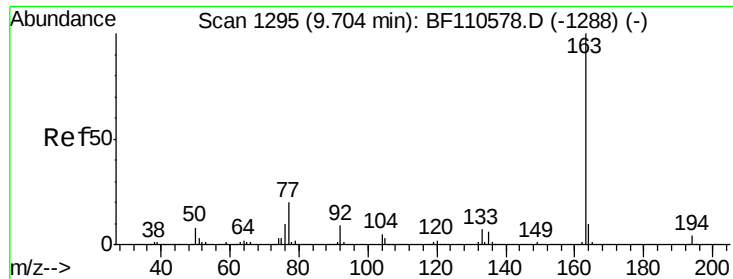


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

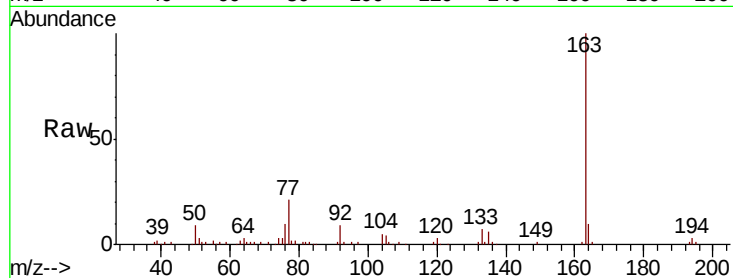




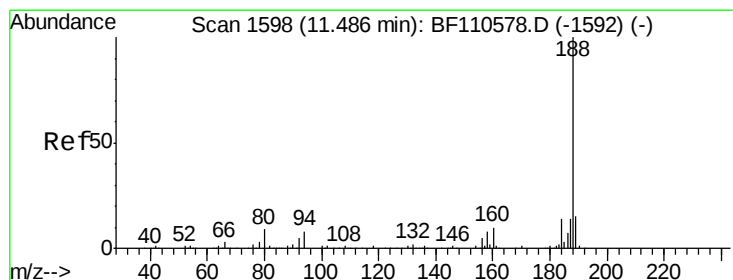
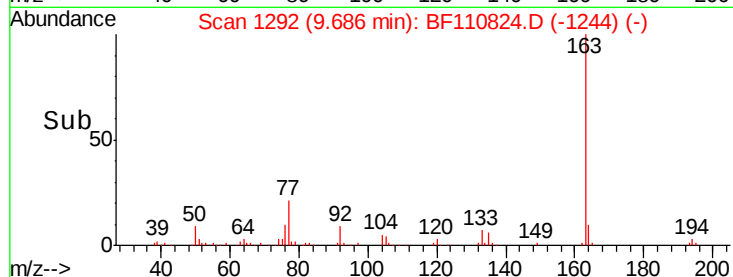
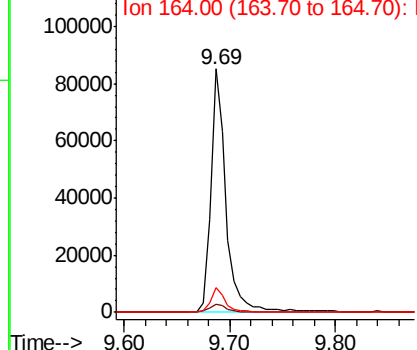
#50
Dimethylphthalate
Concen: 10.427 ng
RT: 9.69 min Scan# 1292
Delta R.T. -0.02 min
Lab File: BF110824.D
Acq: 16 Nov 2018 18:40

Instrument :
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ClientSampleId :
LR-RBR-200036

Tgt Ion:163 Resp: 85150
Ion Ratio Lower Upper
163 100
194 3.5 3.2 4.8
164 10.1 8.1 12.1

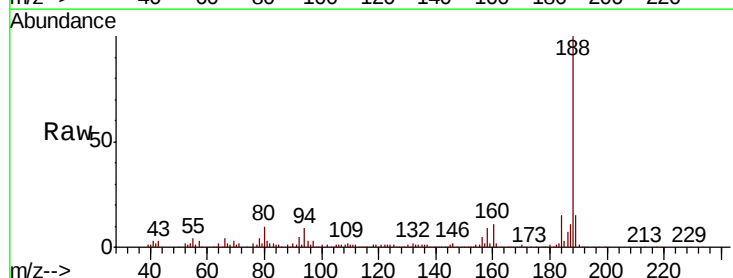


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

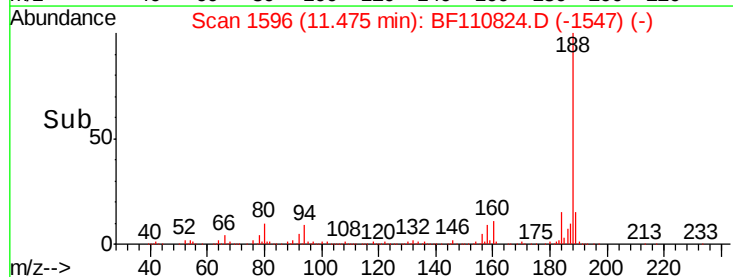
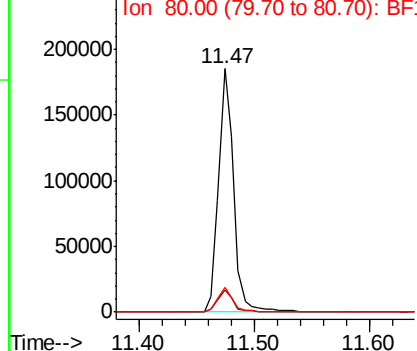


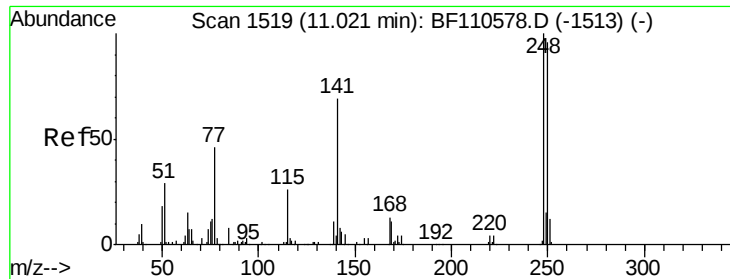
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.47 min Scan# 1596
Delta R.T. -0.01 min
Lab File: BF110824.D
Acq: 16 Nov 2018 18:40

Tgt Ion:188 Resp: 167953
Ion Ratio Lower Upper
188 100
94 9.1 7.2 10.8
80 10.0 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

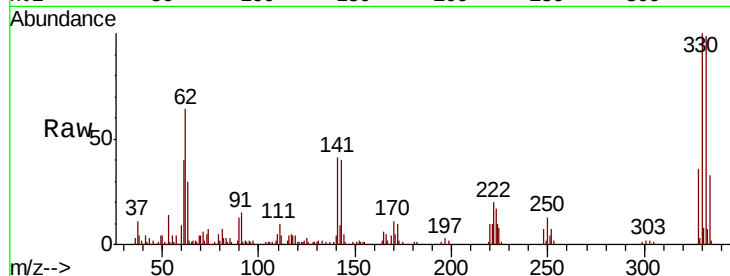




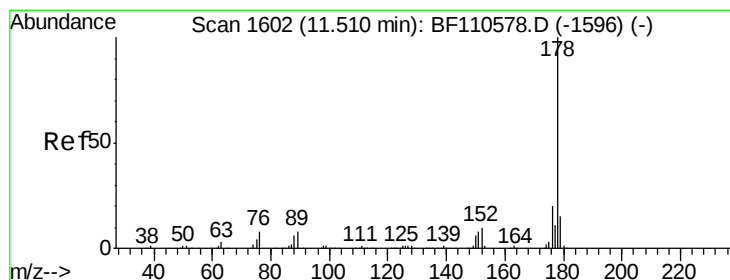
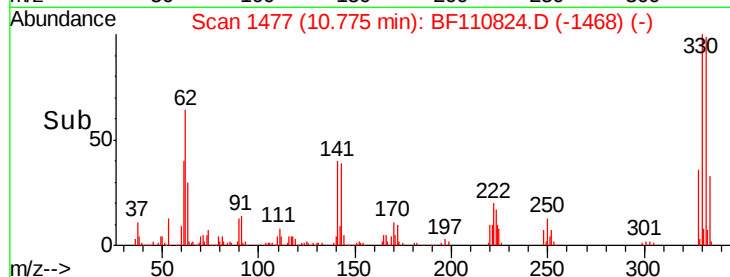
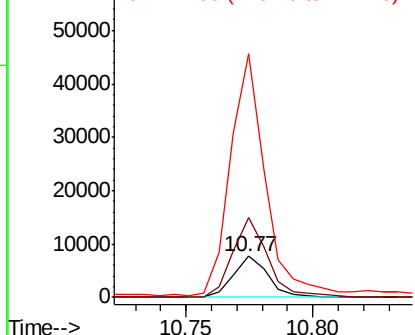
#67
 4-Bromophenyl-phenylether
 Concen: 3.918 ng
 RT: 10.77 min Scan# 1477
 Delta R.T. -0.25 min
 Lab File: BF110824.D
 Acq: 16 Nov 2018 18:40

Instrument :
 BNA_F
 ClientSampleId :
 LR-RBR-200036

Tgt Ion: 248 Resp: 7273
 Ion Ratio Lower Upper
 248 100
 250 193.4 79.4 119.2#
 141 590.4 55.9 83.9#

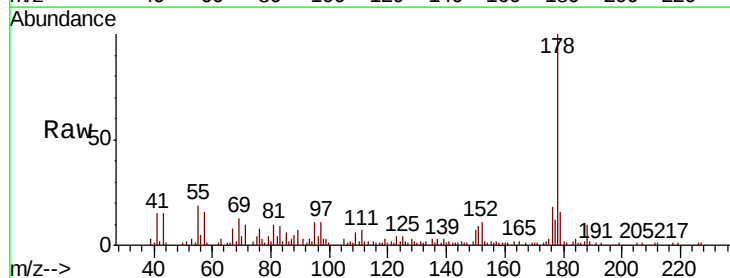


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

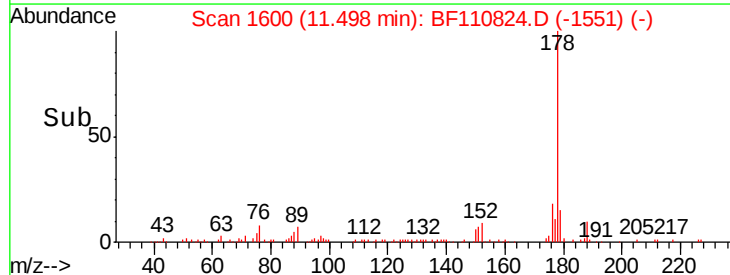
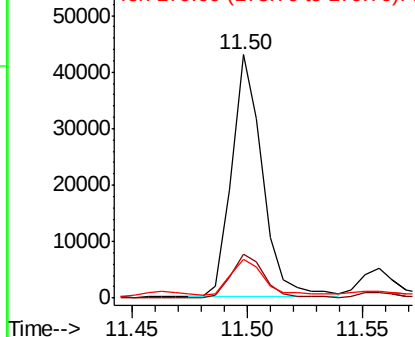


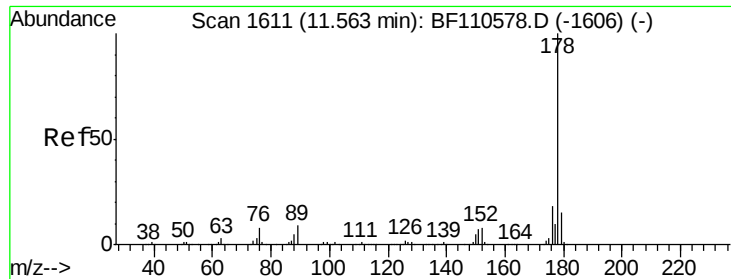
#71
 Phenanthrene
 Concen: 4.362 ng
 RT: 11.50 min Scan# 1600
 Delta R.T. -0.01 min
 Lab File: BF110824.D
 Acq: 16 Nov 2018 18:40

Tgt Ion: 178 Resp: 39254
 Ion Ratio Lower Upper
 178 100
 176 18.2 15.5 23.3
 179 15.8 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





#72

Anthracene

Concen: 4.325 ng

RT: 11.50 min Scan# 1600

Delta R.T. -0.06 min

Lab File: BF110824.D

Acq: 16 Nov 2018 18:40

Instrument :

BNA_F

ClientSampleId :

LR-RBR-200036

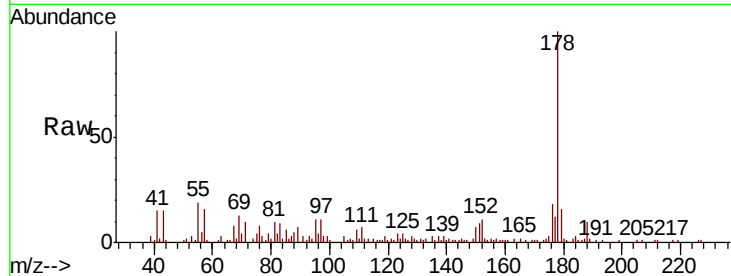
Tgt Ion:178 Resp: 39254

Ion Ratio Lower Upper

178 100

176 18.2 15.4 23.2

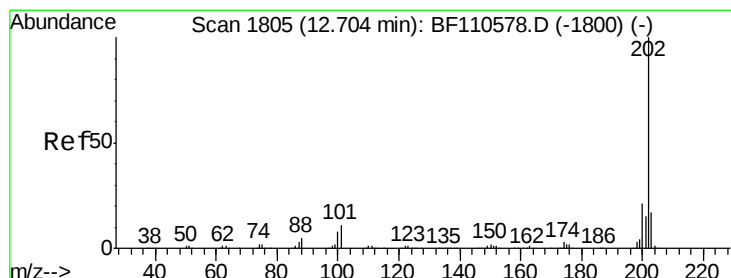
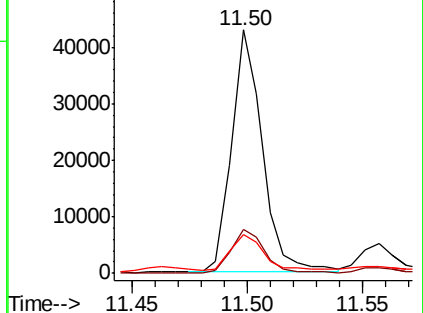
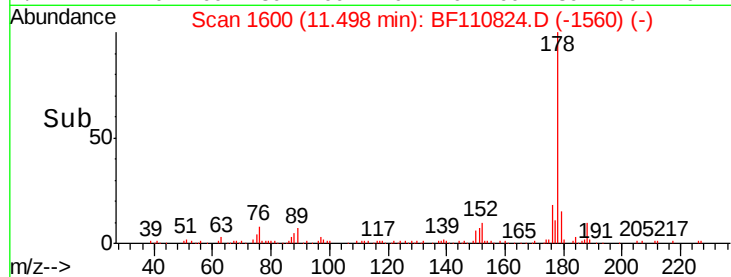
179 15.8 12.6 18.8



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: 7.451 ng

RT: 12.69 min Scan# 1803

Delta R.T. -0.01 min

Lab File: BF110824.D

Acq: 16 Nov 2018 18:40

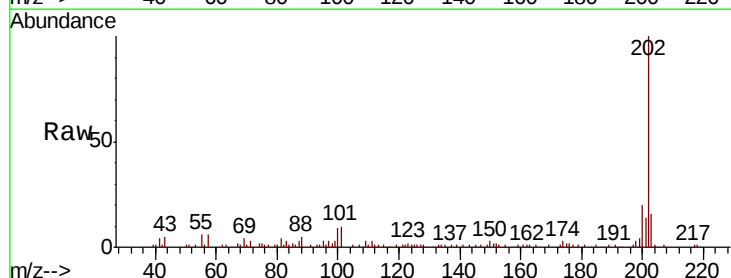
Tgt Ion:202 Resp: 67219

Ion Ratio Lower Upper

202 100

101 10.5 0.0 31.4

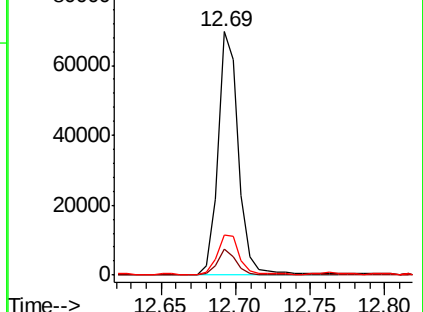
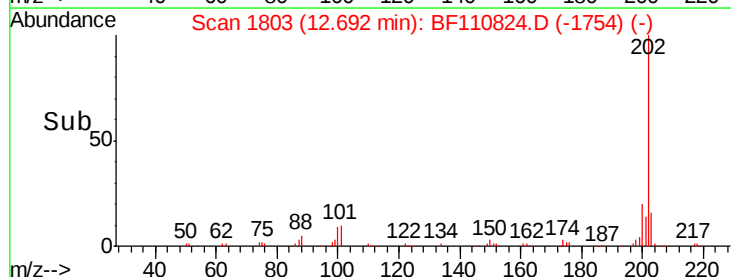
203 16.3 0.0 37.7

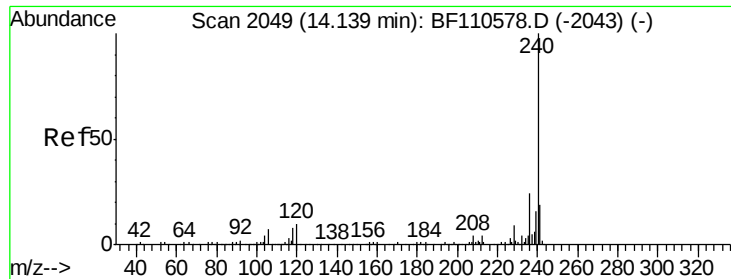


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

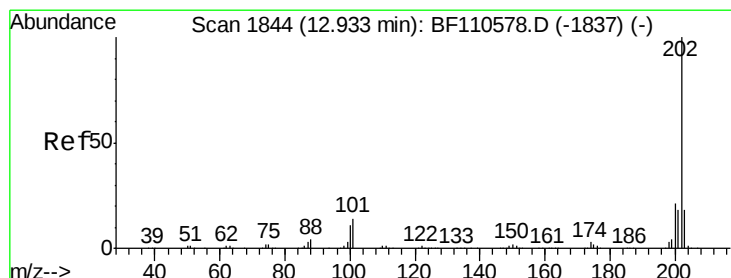
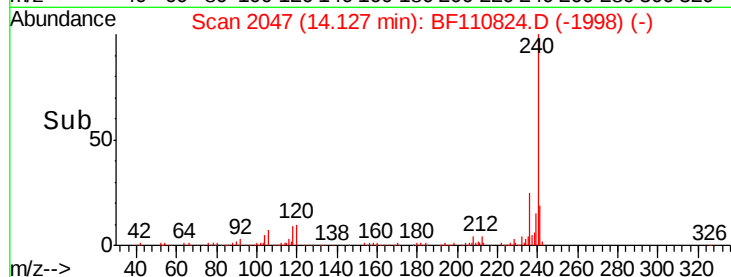
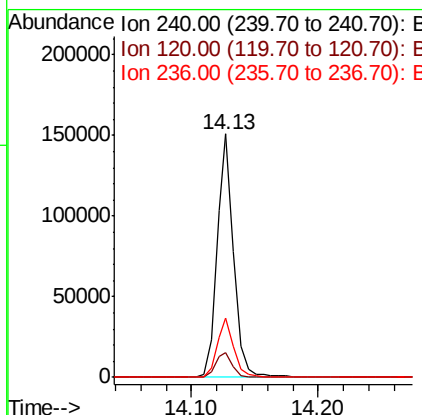
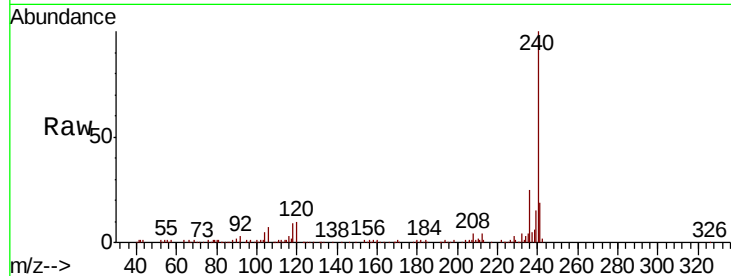




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.13 min Scan# 2047
Delta R.T. -0.01 min
Lab File: BF110824.D
Acq: 16 Nov 2018 18:40

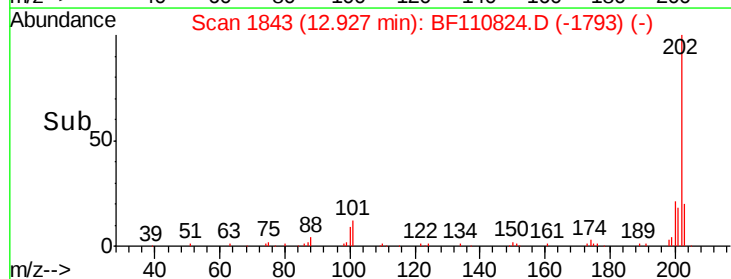
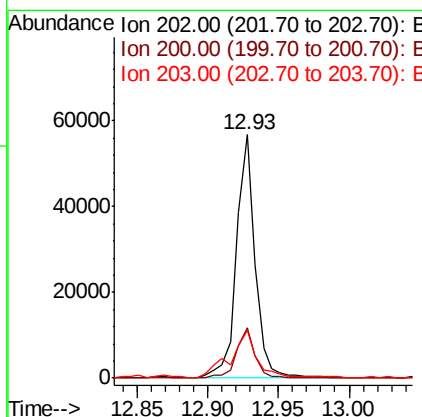
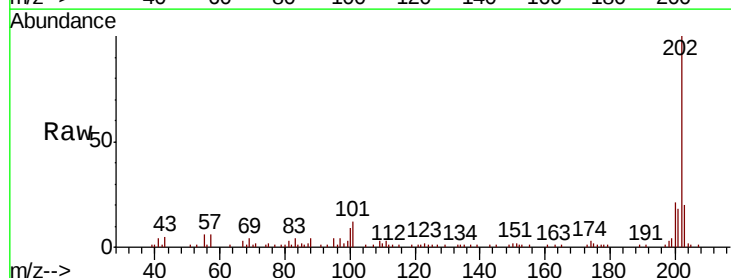
Instrument :
BNA_F
ClientSampleId :
LR-RBR-200036

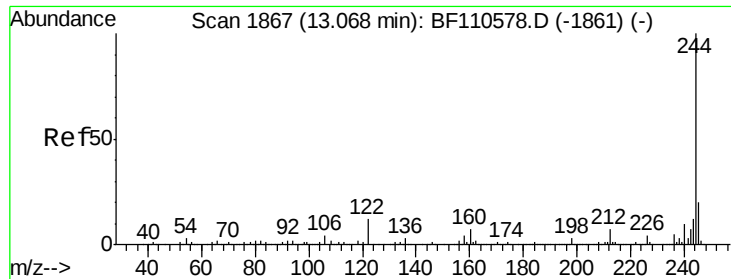
Tgt Ion:240 Resp: 137607
Ion Ratio Lower Upper
240 100
120 10.3 8.3 12.5
236 24.5 21.2 31.8



#78
Pyrene
Concen: 4.953 ng
RT: 12.93 min Scan# 1843
Delta R.T. -0.01 min
Lab File: BF110824.D
Acq: 16 Nov 2018 18:40

Tgt Ion:202 Resp: 52483
Ion Ratio Lower Upper
202 100
200 20.5 17.8 26.6
203 19.5 14.2 21.4

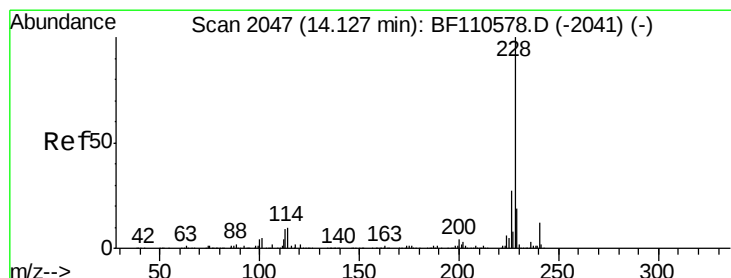
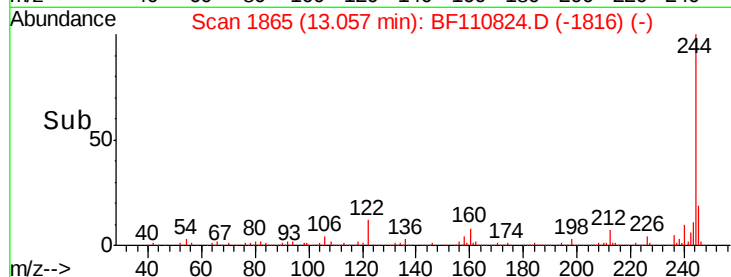
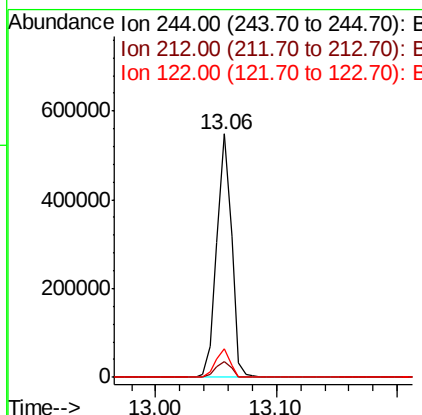
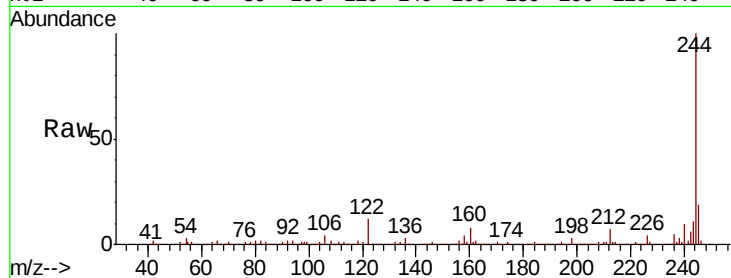




#79
 Terphenyl-d14
 Concen: 62.413 ng
 RT: 13.06 min Scan# 1865
 Delta R.T. -0.01 min
 Lab File: BF110824.D
 Acq: 16 Nov 2018 18:40

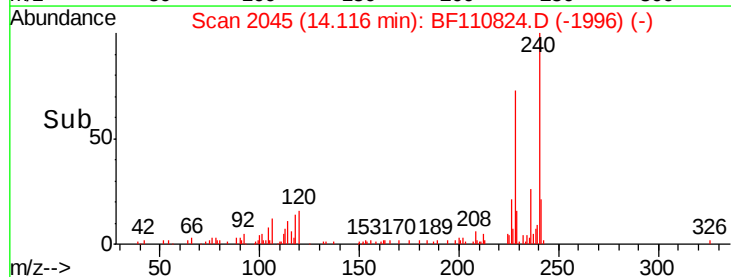
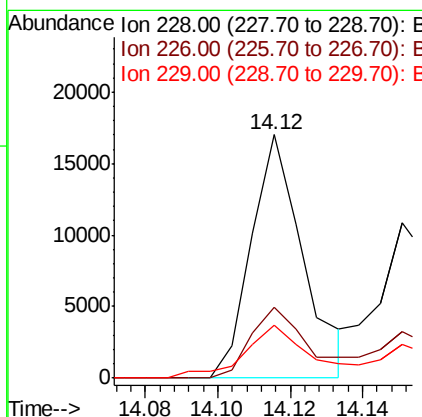
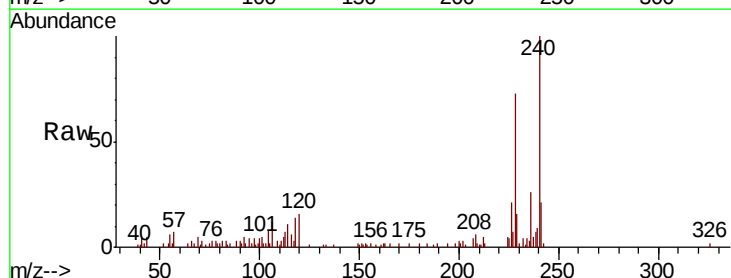
Instrument :
 BNA_F
 ClientSampleId :
 LR-RBR-200036

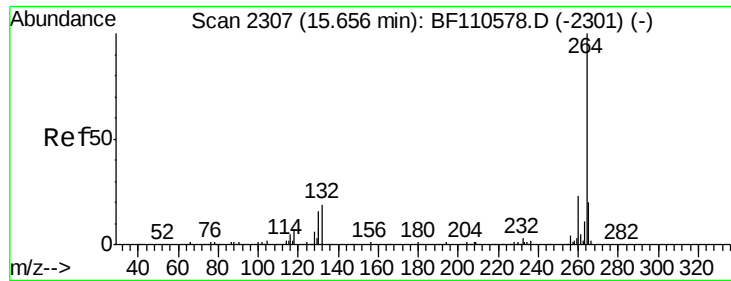
Tgt Ion:244 Resp: 458600
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.8 8.8
 122 11.5 8.7 13.1



#81
 Benzo(a)anthracene
 Concen: 2.050 ng
 RT: 14.12 min Scan# 2045
 Delta R.T. -0.01 min
 Lab File: BF110824.D
 Acq: 16 Nov 2018 18:40

Tgt Ion:228 Resp: 16865
 Ion Ratio Lower Upper
 228 100
 226 29.0 22.1 33.1
 229 21.7 15.6 23.4

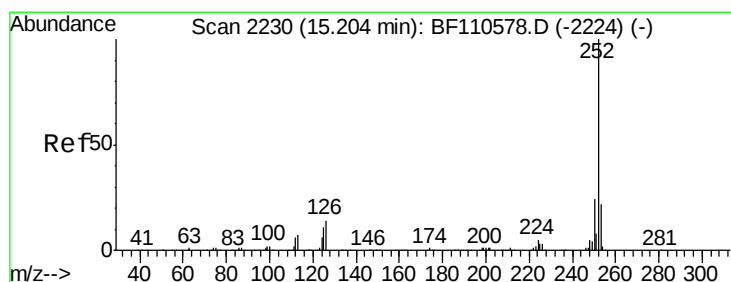
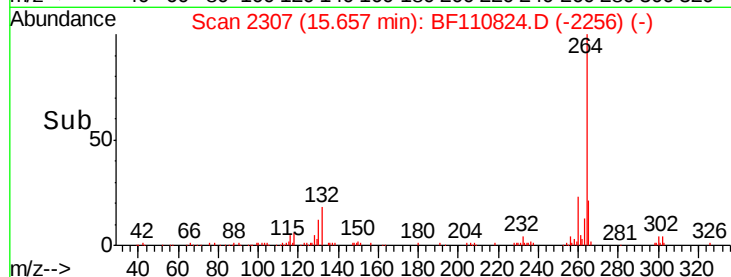
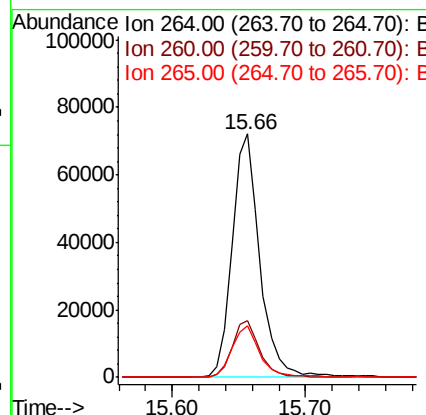
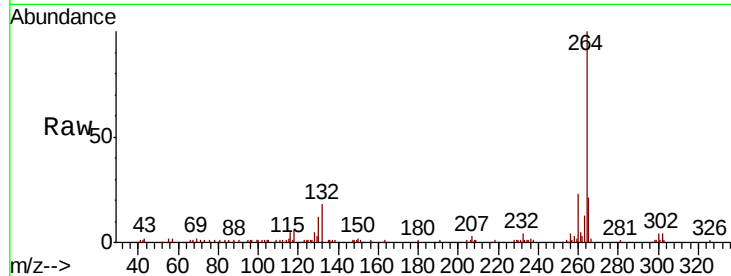




#87
Perylene-d12
Concen: 20.000 ng
RT: 15.66 min Scan# 2307
Delta R.T. 0.00 min
Lab File: BF110824.D
Acq: 16 Nov 2018 18:40

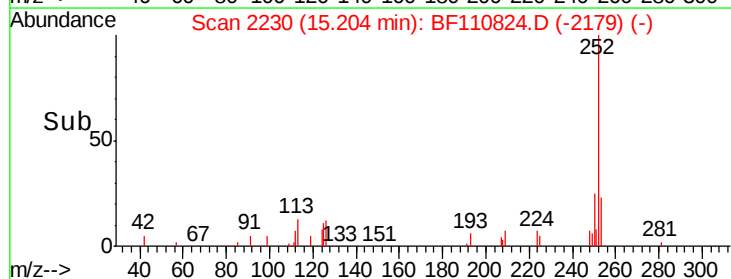
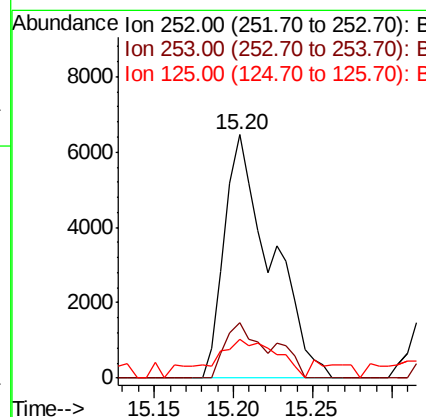
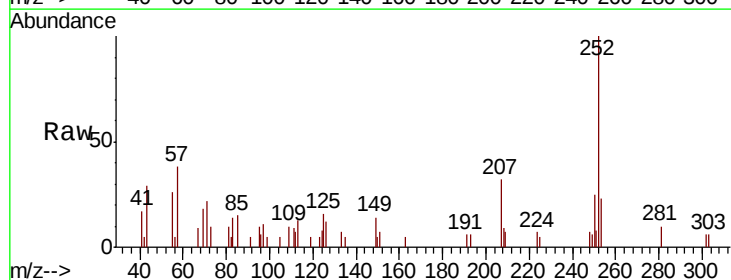
Instrument :
BNA_F
ClientSampleId :
LR-RBR-200036

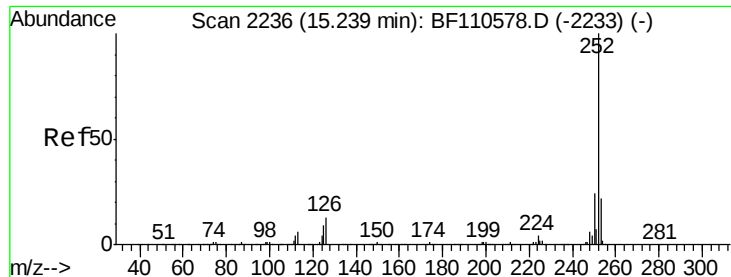
Tgt Ion:264 Resp: 104386
Ion Ratio Lower Upper
264 100
260 23.4 18.7 28.1
265 21.4 16.7 25.1



#88
Benzo(b)fluoranthene
Concen: 2.113 ng
RT: 15.20 min Scan# 2230
Delta R.T. 0.00 min
Lab File: BF110824.D
Acq: 16 Nov 2018 18:40

Tgt Ion:252 Resp: 13198
Ion Ratio Lower Upper
252 100
253 22.7 17.2 25.8
125 15.9 8.2 12.4#





#89

Benzo(k)fluoranthene

Concen: 2.139 ng

RT: 15.20 min Scan# 2230

Delta R.T. -0.04 min

Lab File: BF110824.D

Acq: 16 Nov 2018 18:40

Instrument :

BNA_F

ClientSampleId :

LR-RBR-200036

Tgt Ion:252 Resp: 13198

Ion Ratio Lower Upper

252 100

253 22.7 17.2 25.8

125 15.9 7.4 11.0#

