

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF112118\
 Data File : BF110933.D
 Acq On : 21 Nov 2018 17:28
 Operator : JU/SJ
 Sample : J5772-05
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-112018-B

Quant Time: Nov 21 22:08:17 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	61845	20.00	ng	0.00
21) Naphthalene-d8	8.22	136	247468	20.00	ng	0.00
39) Acenaphthene-d10	9.98	164	105471	20.00	ng	-0.01
64) Phenanthrene-d10	11.48	188	161114	20.00	ng	0.00
76) Chrysene-d12	14.13	240	134992	20.00	ng	0.00
87) Perylene-d12	15.67	264	95280	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.56	112	344722	90.54	ng	0.00
7) Phenol-d6	6.57	99	429855	88.29	ng	0.00
23) Nitrobenzene-d5	7.51	82	277204	64.51	ng	0.00
42) 2,4,6-Tribromophenol	10.78	330	78226	73.61	ng	0.00
45) 2-Fluorobiphenyl	9.30	172	470841	63.76	ng	0.00
79) Terphenyl-d14	13.06	244	318253	44.15	ng	-0.01

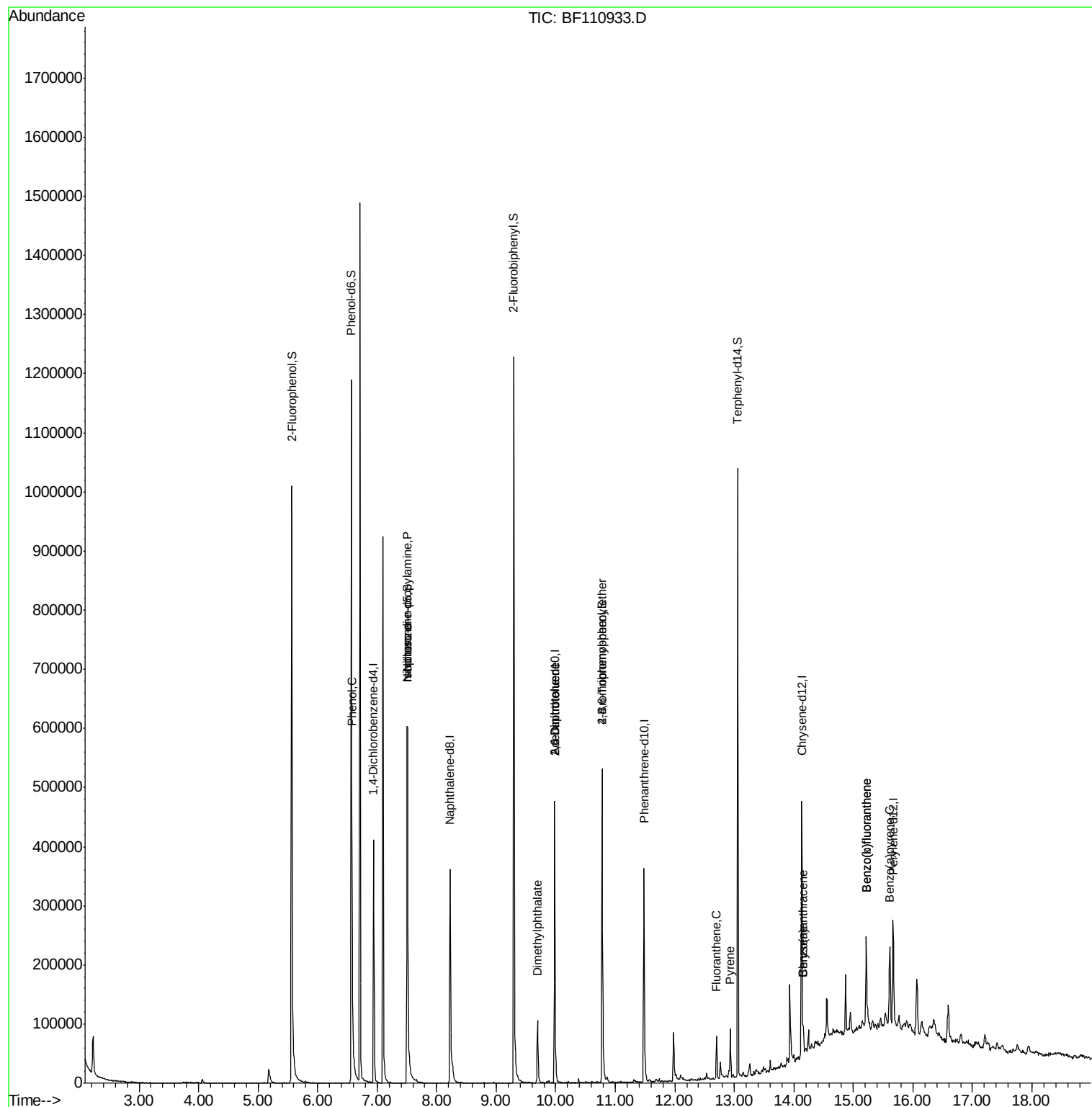
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.57	77	519	Below Cal		# 1
10) Phenol	6.58	94	21833	3.867	ng	# 76
19) n-Nitroso-di-n-propylamine	7.50	70	35652	11.471	ng	# 80
25) Isophorone	7.51	82	277204	39.359	ng	# 67
50) Dimethylphthalate	9.69	163	56067	7.124	ng	99
51) 2,6-Dinitrotoluene	9.98	165	12925	7.466	ng	# 21
57) 2,4-Dinitrotoluene	9.98	165	12925	5.742	ng	# 17
67) 4-Bromophenyl-phenylether	10.78	248	4935	2.771	ng	# 1
75) Fluoranthene	12.70	202	33334	3.852	ng	98
78) Pyrene	12.93	202	34116	3.282	ng	98
81) Benzo(a)anthracene	14.16	228	21571	2.673	ng	97
83) Chrysene	14.16	228	21571	2.806	ng	99
88) Benzo(b)fluoranthene	15.22	252	31446	5.517	ng	# 82
89) Benzo(k)fluoranthene	15.22	252	31446	5.583	ng	# 81
90) Benzo(a)pyrene	15.60	252	14347	2.770	ng	# 92

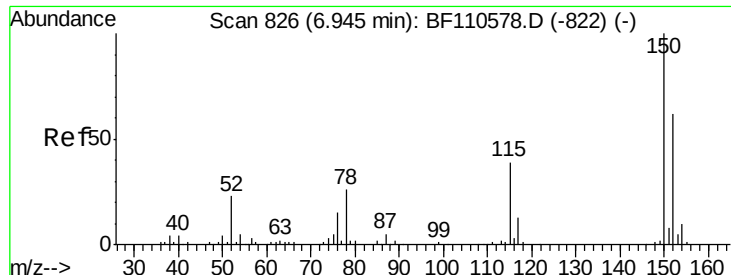
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF112118\
Data File : BF110933.D
Acq On : 21 Nov 2018 17:28
Operator : JU/SJ
Sample : J5772-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-01-112018-B

Quant Time: Nov 21 22:08:17 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

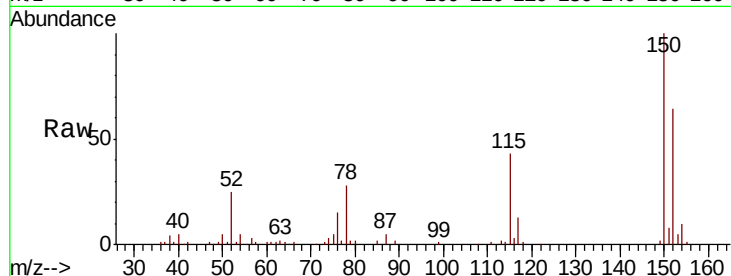




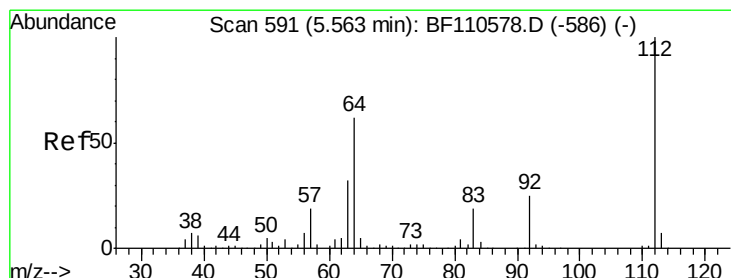
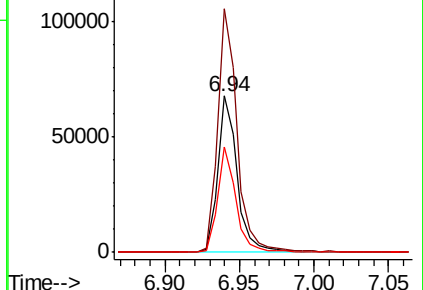
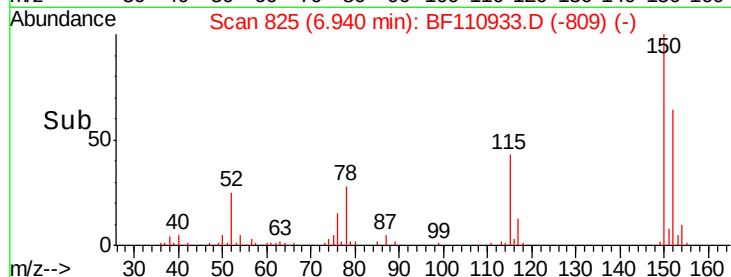
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.94 min Scan# 825
 Delta R.T. -0.01 min
 Lab File: BF110933.D
 Acq: 21 Nov 2018 17:28

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-112018-B

Tgt Ion:152 Resp: 61845
 Ion Ratio Lower Upper
 152 100
 150 155.7 122.7 184.1
 115 67.4 49.1 73.7

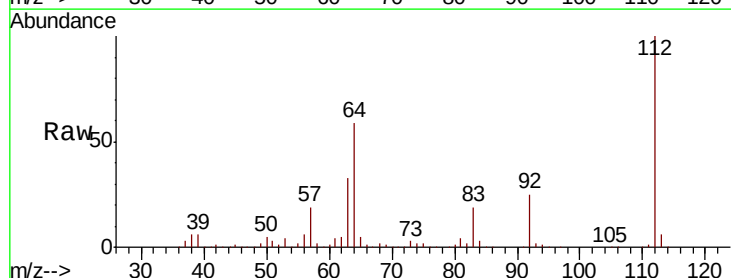


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

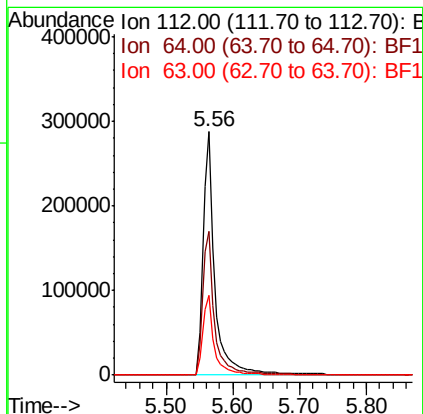
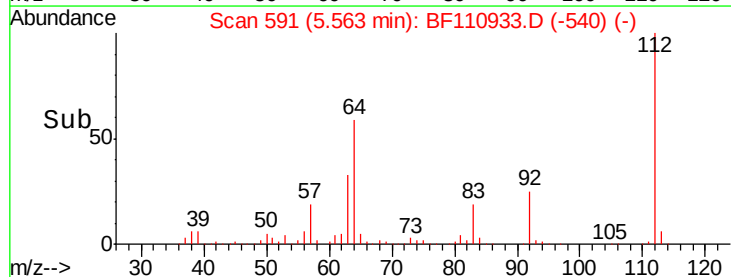


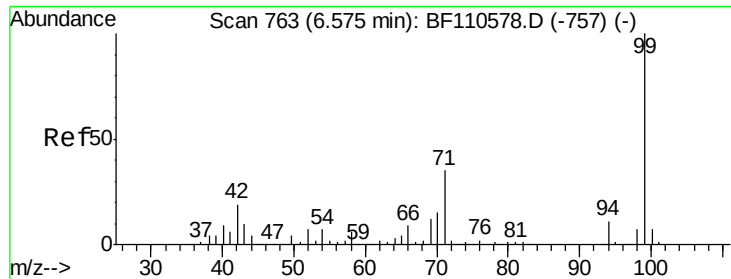
#5
 2-Fluorophenol
 Concen: 90.539 ng
 RT: 5.56 min Scan# 591
 Delta R.T. 0.00 min
 Lab File: BF110933.D
 Acq: 21 Nov 2018 17:28

Tgt Ion:112 Resp: 344722
 Ion Ratio Lower Upper
 112 100
 64 59.2 44.1 66.1
 63 32.7 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: 88.287 ng

RT: 6.57 min Scan# 762

Delta R.T. -0.01 min

Lab File: BF110933.D

Acq: 21 Nov 2018 17:28

Instrument :

BNA_F

ClientSampleId :

PL-01-112018-B

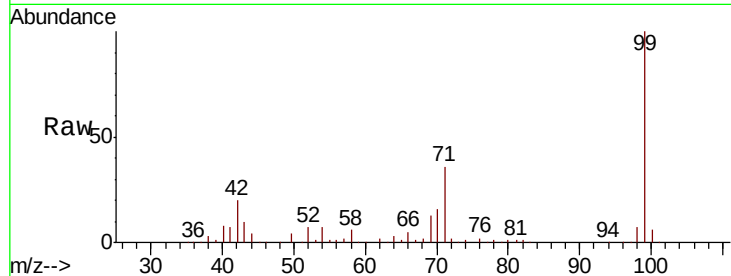
Tgt Ion: 99 Resp: 429855

Ion Ratio Lower Upper

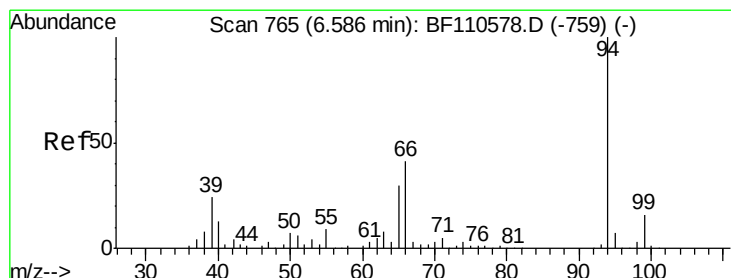
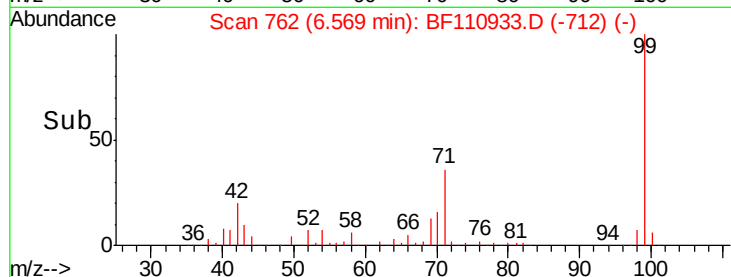
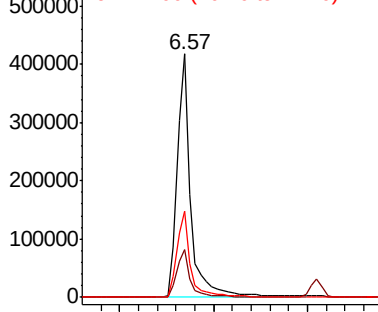
99 100

42 19.5 15.8 23.6

71 35.6 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: 3.867 ng

RT: 6.58 min Scan# 764

Delta R.T. -0.01 min

Lab File: BF110933.D

Acq: 21 Nov 2018 17:28

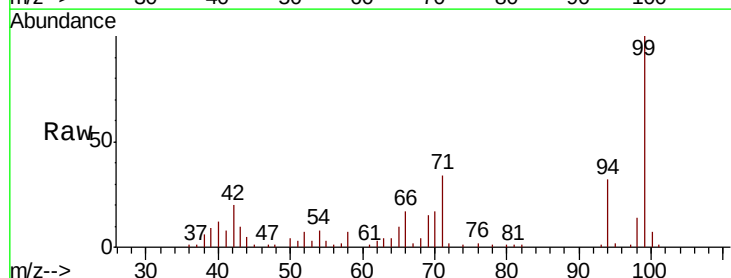
Tgt Ion: 94 Resp: 21833

Ion Ratio Lower Upper

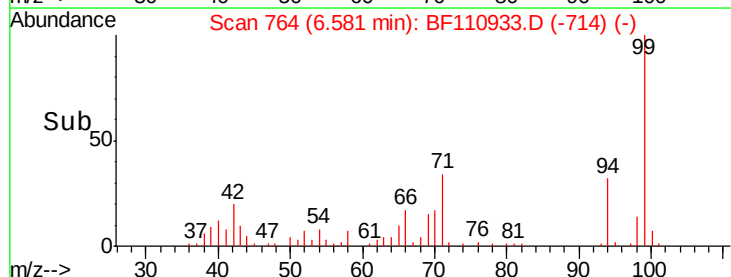
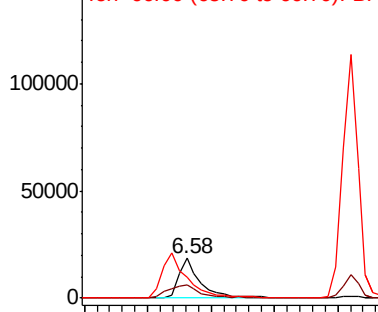
94 100

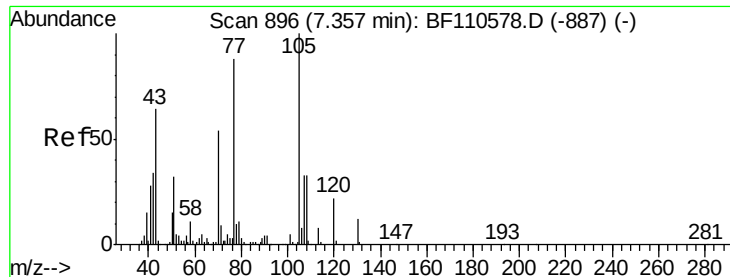
65 32.2 25.3 65.3

66 52.5 54.5 94.5#



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

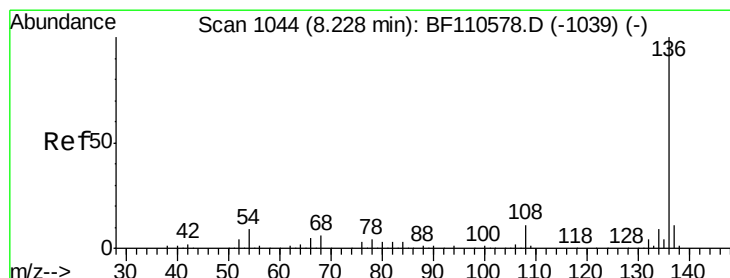
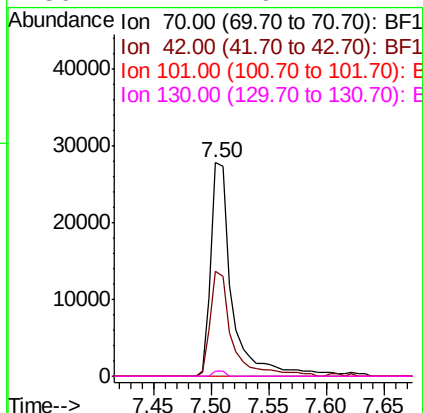
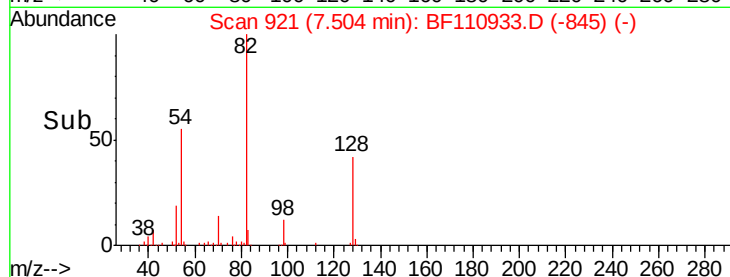
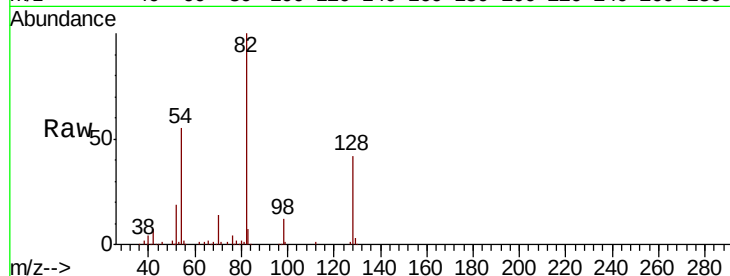




#19
n-Nitroso-di-n-propylamine
Concen: 11.471 ng
RT: 7.50 min Scan# 921
Delta R.T. 0.15 min
Lab File: BF110933.D
Acq: 21 Nov 2018 17:28

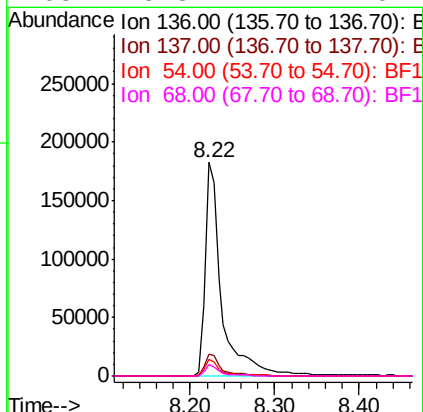
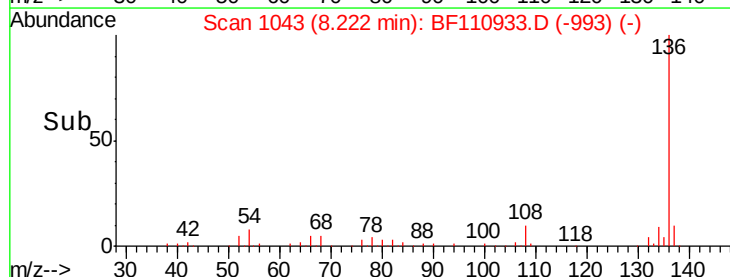
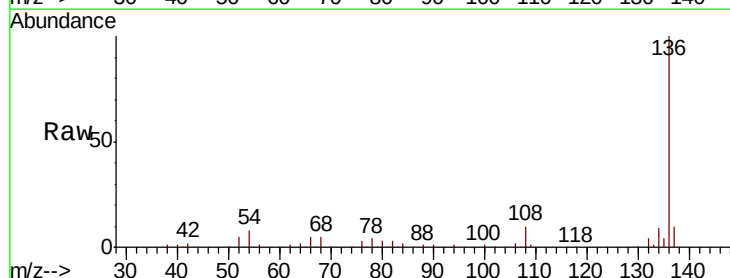
Instrument :
BNA_F
ClientSampleId :
PL-01-112018-B

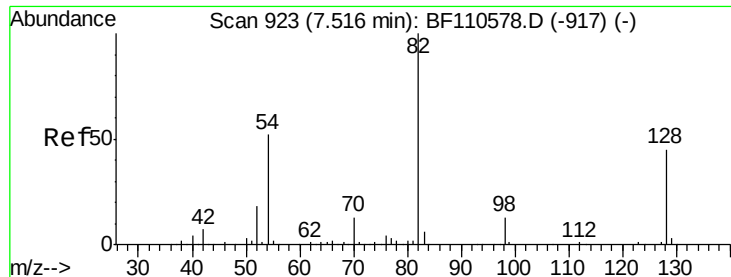
Tgt Ion: 70 Resp: 35652
Ion Ratio Lower Upper
70 100
42 49.4 47.4 71.2
101 0.0 7.3 10.9#
130 2.2 16.2 24.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.22 min Scan# 1043
Delta R.T. -0.01 min
Lab File: BF110933.D
Acq: 21 Nov 2018 17:28

Tgt Ion: 136 Resp: 247468
Ion Ratio Lower Upper
136 100
137 10.3 8.8 13.2
54 7.9 5.4 8.2
68 5.3 4.2 6.2

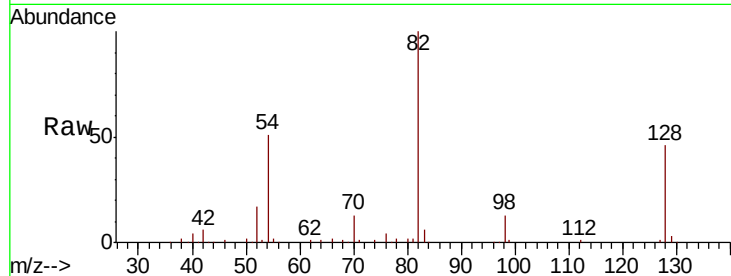




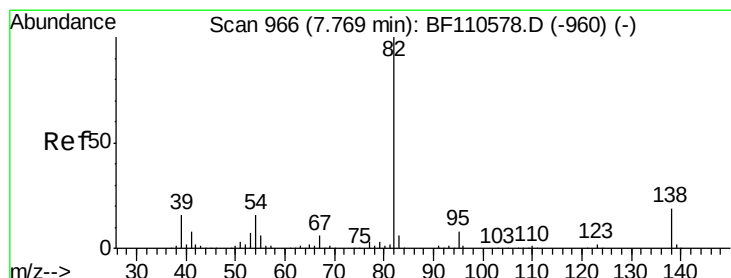
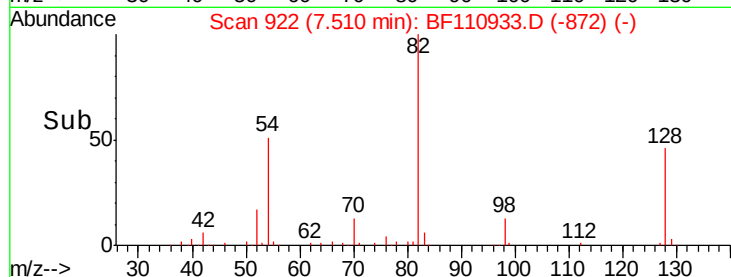
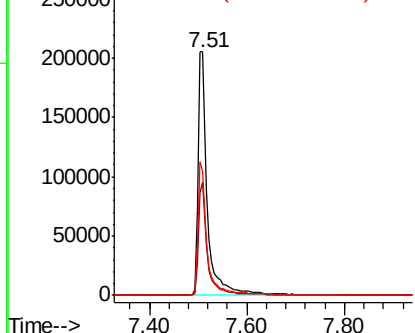
#23
 Nitrobenzene-d5
 Concen: 64.510 ng
 RT: 7.51 min Scan# 922
 Delta R.T. -0.01 min
 Lab File: BF110933.D
 Acq: 21 Nov 2018 17:28

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-112018-B

Tgt Ion: 82 Resp: 277204
 Ion Ratio Lower Upper
 82 100
 128 46.4 34.2 51.2
 54 51.2 38.6 58.0

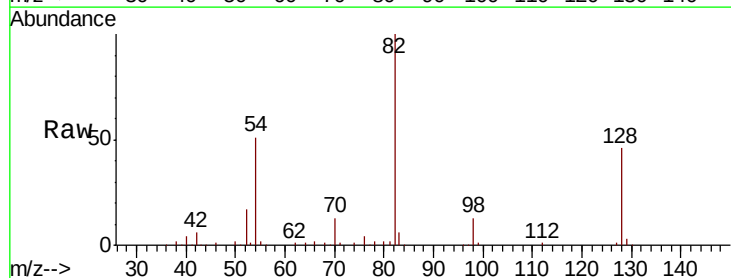


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

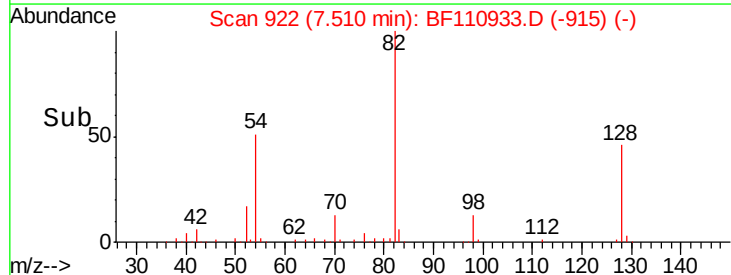
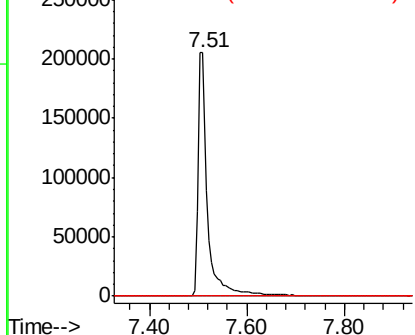


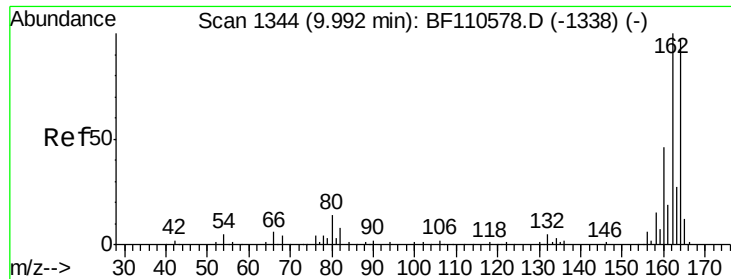
#25
 Isophorone
 Concen: 39.359 ng
 RT: 7.51 min Scan# 922
 Delta R.T. -0.26 min
 Lab File: BF110933.D
 Acq: 21 Nov 2018 17:28

Tgt Ion: 82 Resp: 277204
 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: BF110933.D

Acq: 21 Nov 2018 17:28

Instrument :

BNA_F

ClientSampleId :

PL-01-112018-B

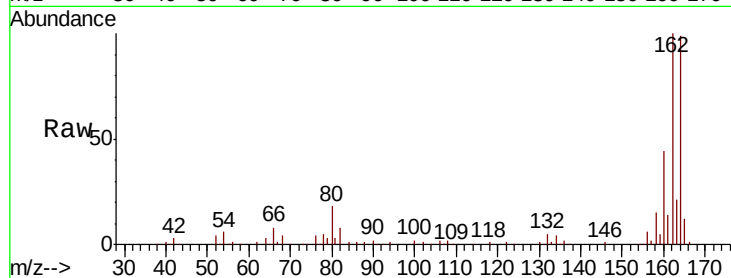
Tgt Ion:164 Resp: 105471

Ion Ratio Lower Upper

164 100

162 101.0 83.0 124.6

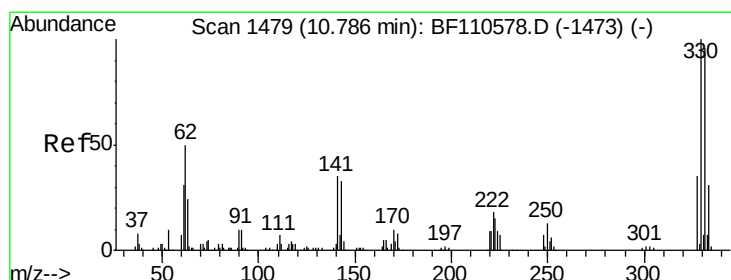
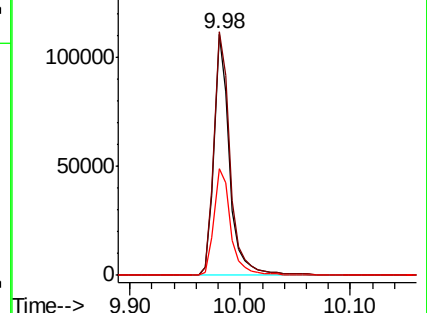
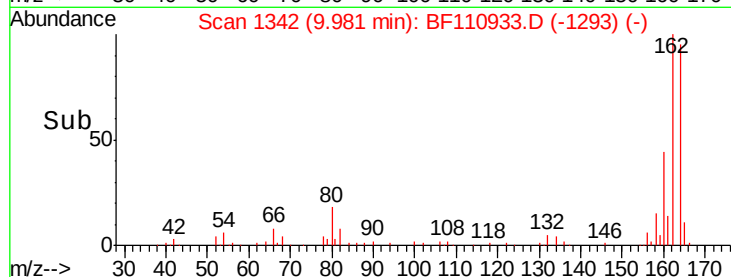
160 44.1 37.0 55.6



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42

2,4,6-Tribromophenol

Concen: 73.607 ng

RT: 10.78 min Scan# 1478

Delta R.T. -0.01 min

Lab File: BF110933.D

Acq: 21 Nov 2018 17:28

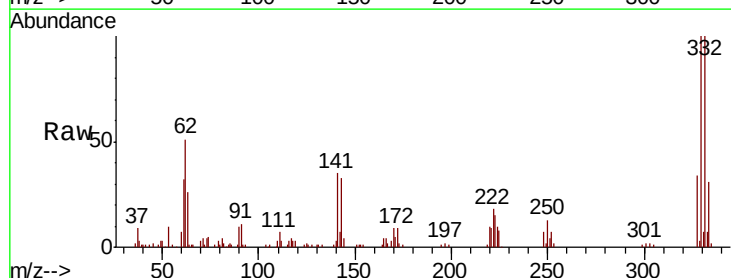
Tgt Ion:330 Resp: 78226

Ion Ratio Lower Upper

330 100

332 95.5 77.1 115.7

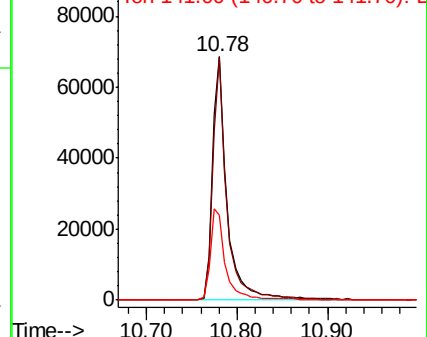
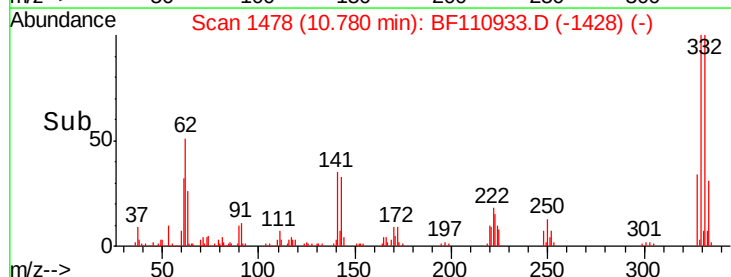
141 38.9 27.0 40.4

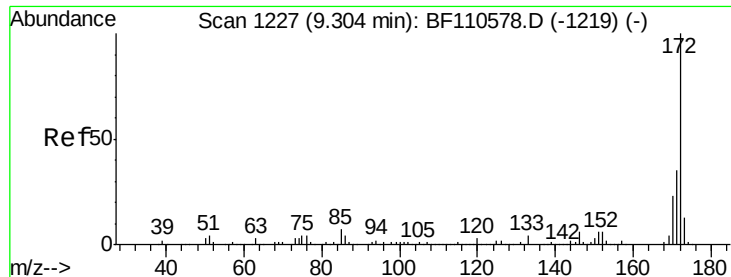


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

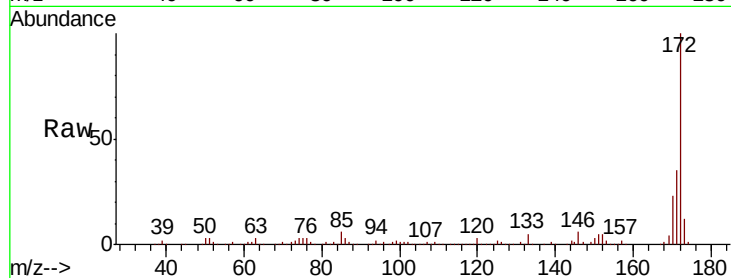




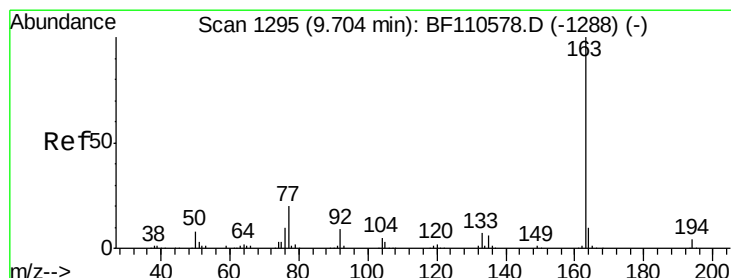
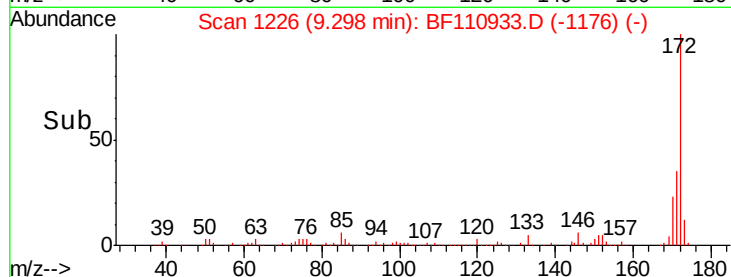
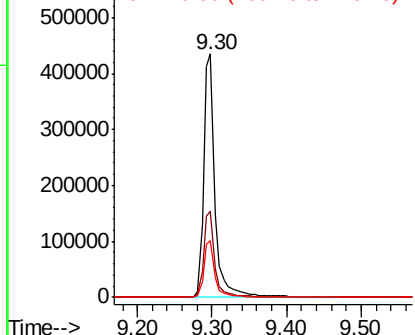
#45
2-Fluorobiphenyl
Concen: 63.757 ng
RT: 9.30 min Scan# 1226
Delta R.T. -0.01 min
Lab File: BF110933.D
Acq: 21 Nov 2018 17:28

Instrument :
BNA_F
ClientSampleId :
PL-01-112018-B

Tgt Ion:172 Resp: 470841
Ion Ratio Lower Upper
172 100
171 35.2 28.6 43.0
170 23.1 19.7 29.5

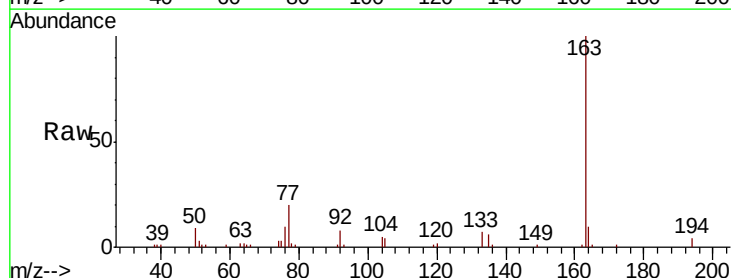


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

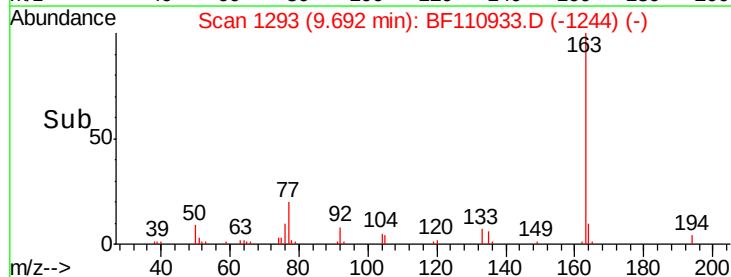
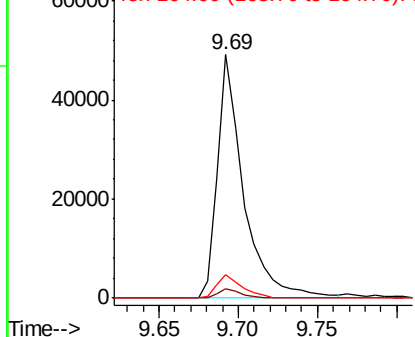


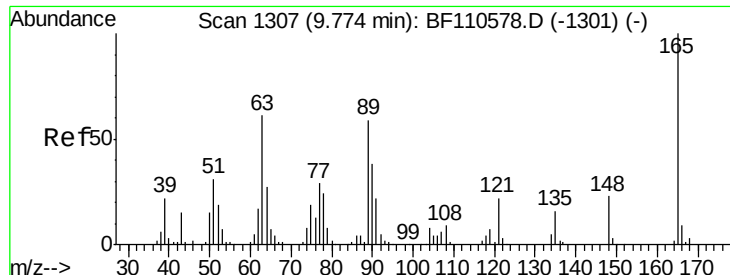
#50
Dimethylphthalate
Concen: 7.124 ng
RT: 9.69 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BF110933.D
Acq: 21 Nov 2018 17:28

Tgt Ion:163 Resp: 56067
Ion Ratio Lower Upper
163 100
194 3.8 3.2 4.8
164 9.8 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

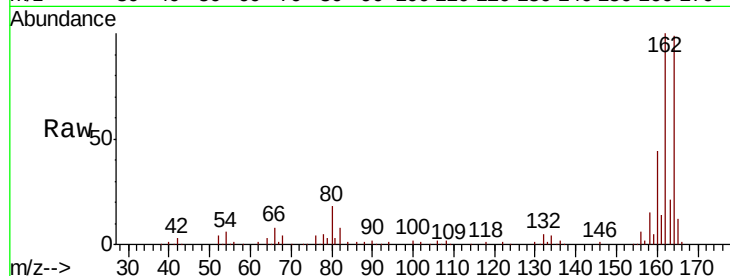




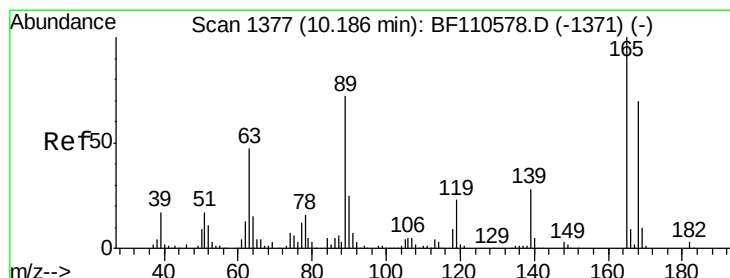
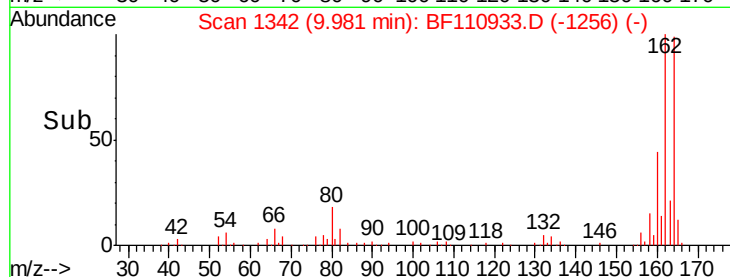
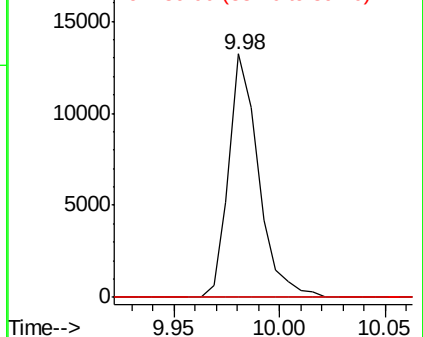
#51
 2,6-Dinitrotoluene
 Concen: 7.466 ng
 RT: 9.98 min Scan# 1342
 Delta R.T. 0.21 min
 Lab File: BF110933.D
 Acq: 21 Nov 2018 17:28

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-112018-B

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	48.9	73.3#
89	0.0	46.6	69.8#



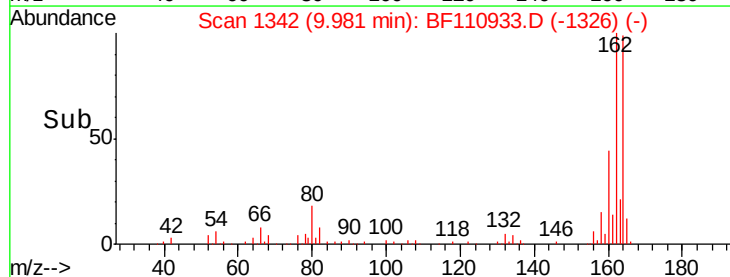
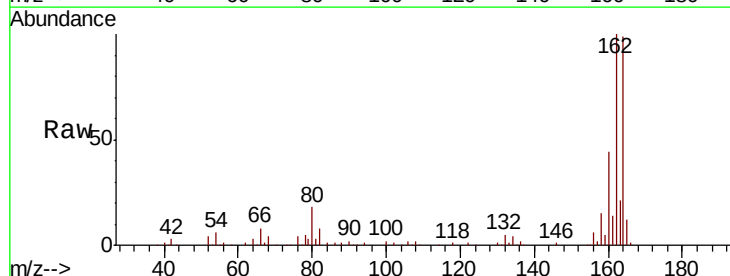
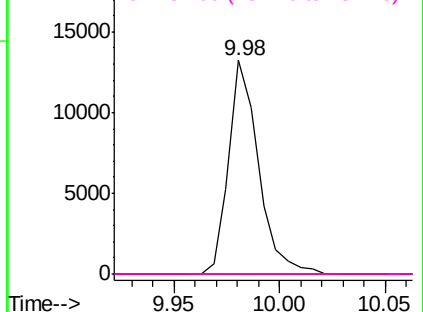
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

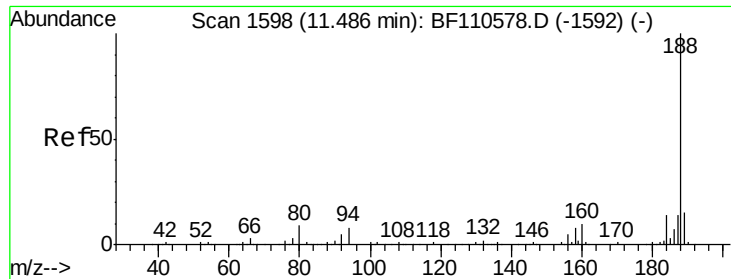


#57
 2,4-Dinitrotoluene
 Concen: 5.742 ng
 RT: 9.98 min Scan# 1342
 Delta R.T. -0.21 min
 Lab File: BF110933.D
 Acq: 21 Nov 2018 17:28

Tgt 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: 11.48 min Scan# 1597

Delta R.T. -0.01 min

Lab File: BF110933.D

Acq: 21 Nov 2018 17:28

Instrument :

BNA_F

ClientSampleId :

PL-01-112018-B

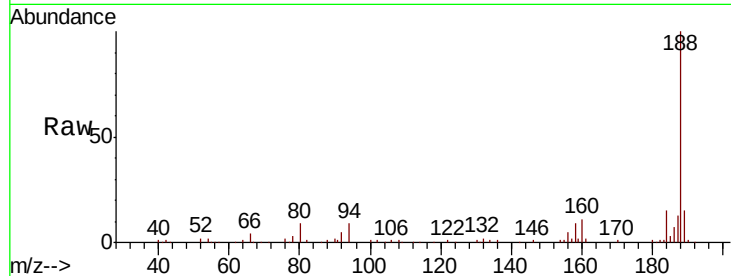
Tgt Ion:188 Resp: 161114

Ion Ratio Lower Upper

188 100

94 8.7 7.2 10.8

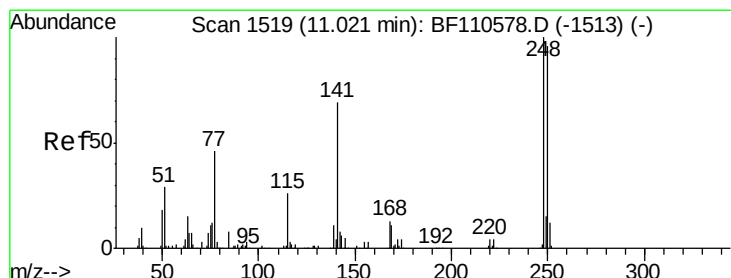
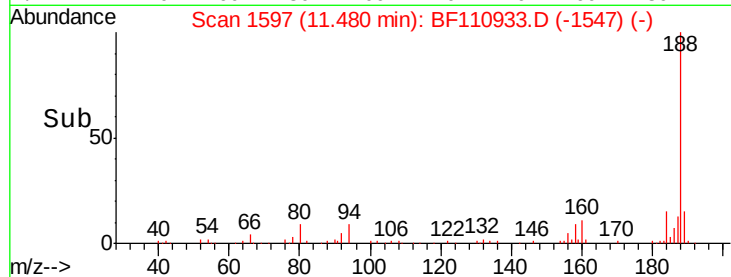
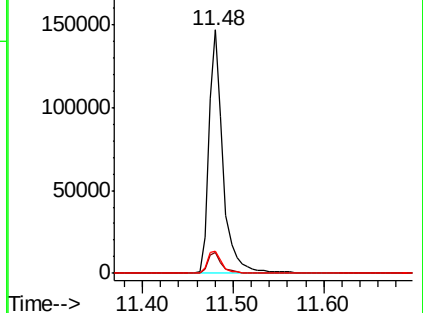
80 9.0 7.9 11.9



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: 2.771 ng

RT: 10.78 min Scan# 1478

Delta R.T. -0.24 min

Lab File: BF110933.D

Acq: 21 Nov 2018 17:28

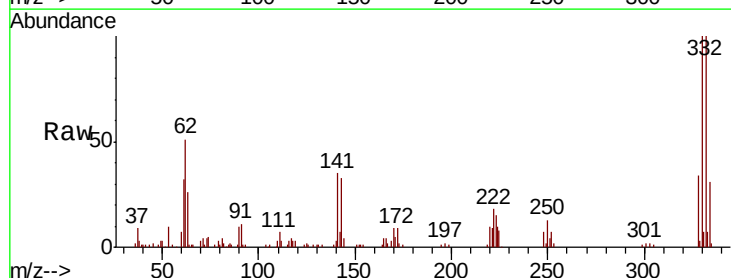
Tgt Ion:248 Resp: 4935

Ion Ratio Lower Upper

248 100

250 202.5 79.4 119.2#

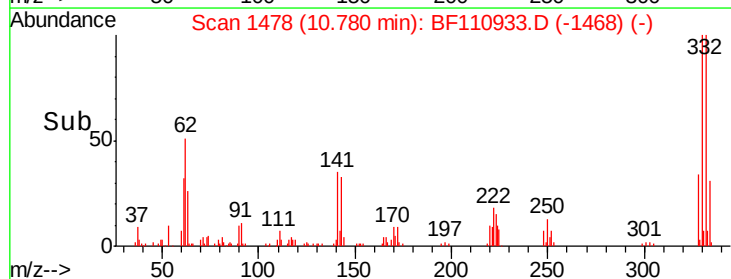
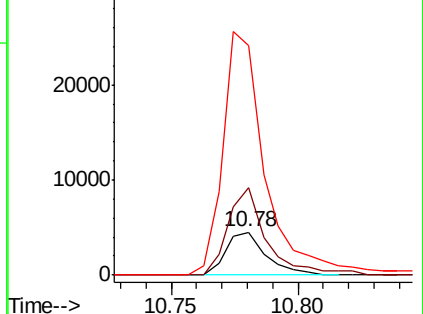
141 533.7 55.9 83.9#

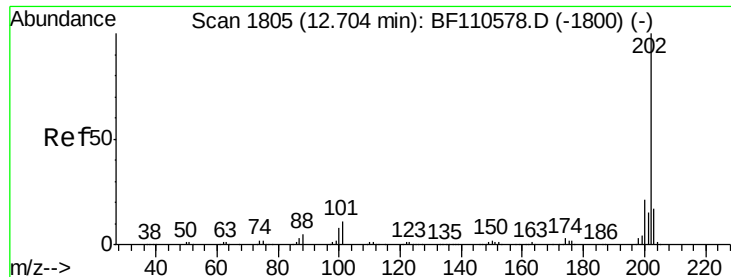


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#75

Fluoranthene

Concen: 3.852 ng

RT: 12.70 min Scan# 1804

Delta R.T. -0.01 min

Lab File: BF110933.D

Acq: 21 Nov 2018 17:28

Instrument :

BNA_F

ClientSampleId :

PL-01-112018-B

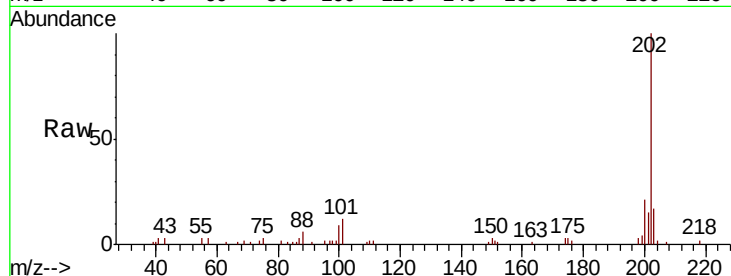
Tgt Ion:202 Resp: 33334

Ion Ratio Lower Upper

202 100

101 11.8 0.0 31.4

203 16.9 0.0 37.7

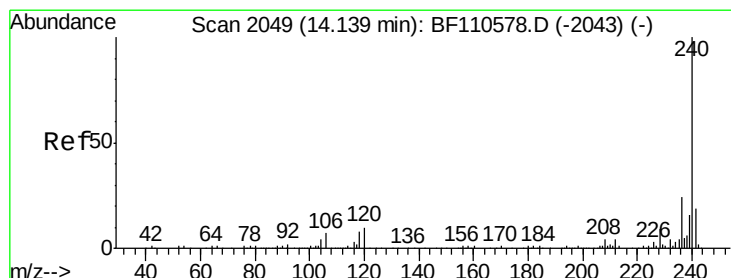
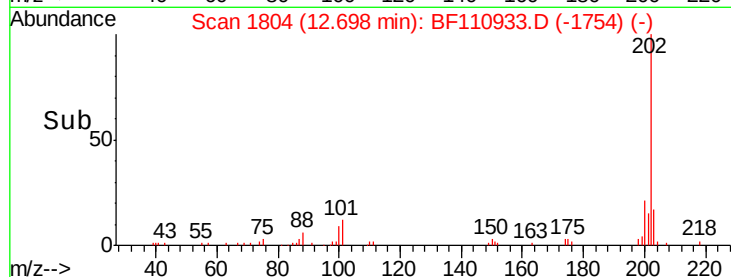
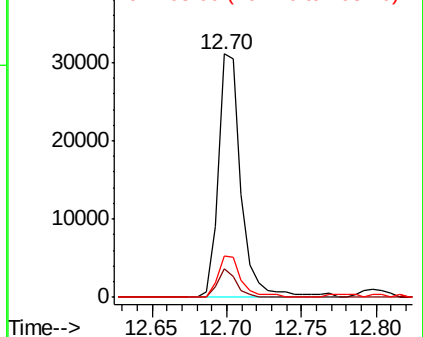


Abundance

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: BF110933.D

Acq: 21 Nov 2018 17:28

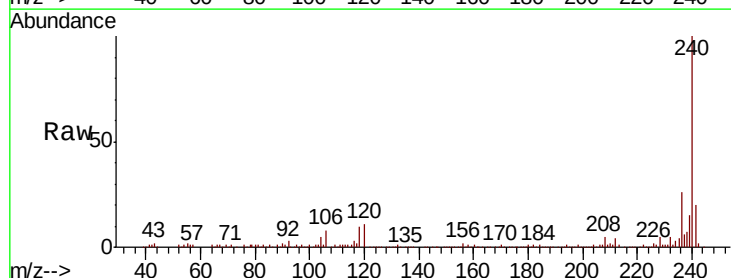
Tgt Ion:240 Resp: 134992

Ion Ratio Lower Upper

240 100

120 11.2 8.3 12.5

236 26.0 21.2 31.8

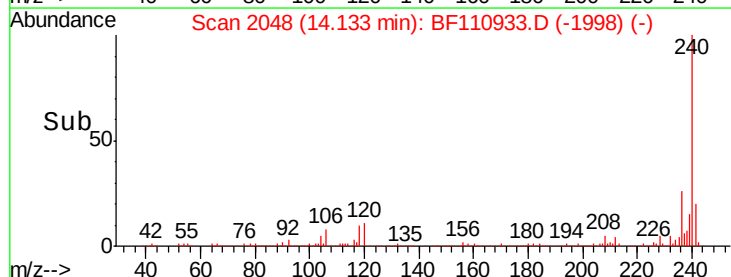
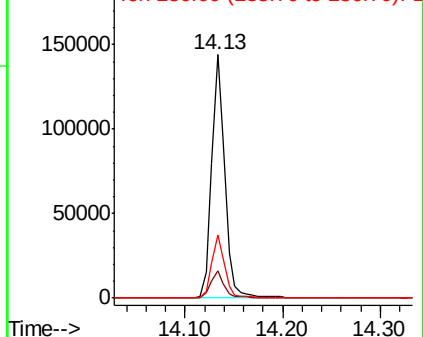


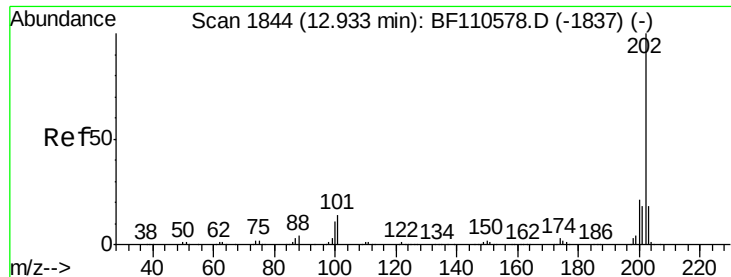
Abundance

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

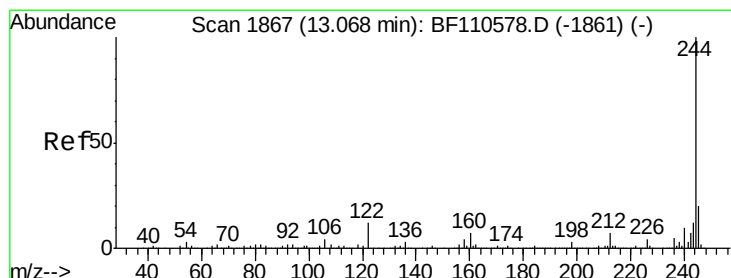
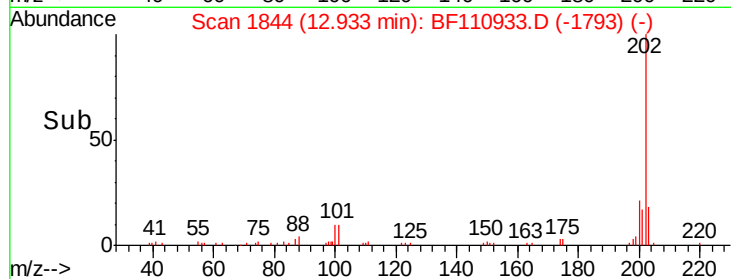
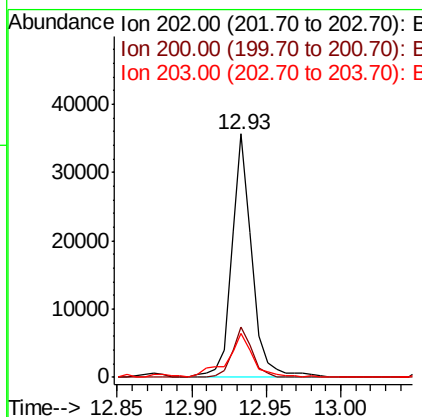
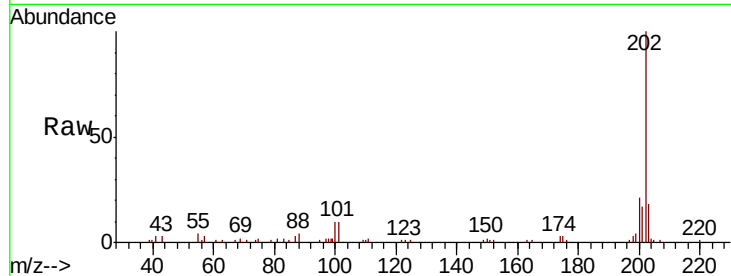




#78
 Pyrene
 Concen: 3.282 ng
 RT: 12.93 min Scan# 1844
 Delta R.T. 0.00 min
 Lab File: BF110933.D
 Acq: 21 Nov 2018 17:28

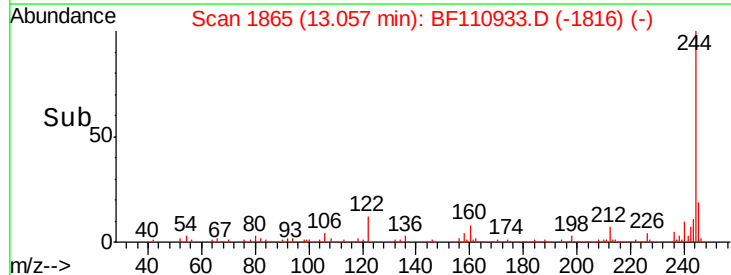
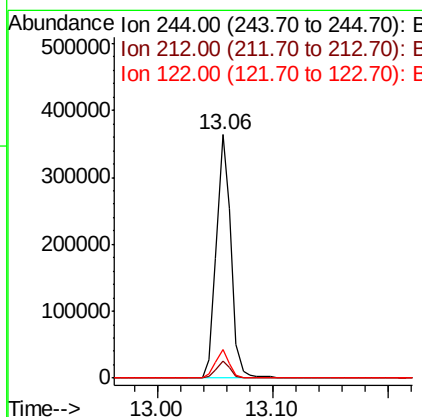
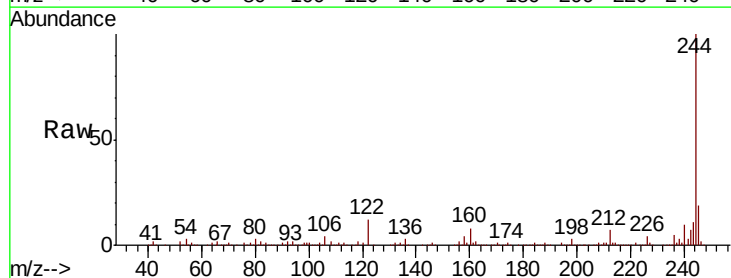
Instrument :
 BNA_F
 ClientSampleId :
 PL-01-112018-B

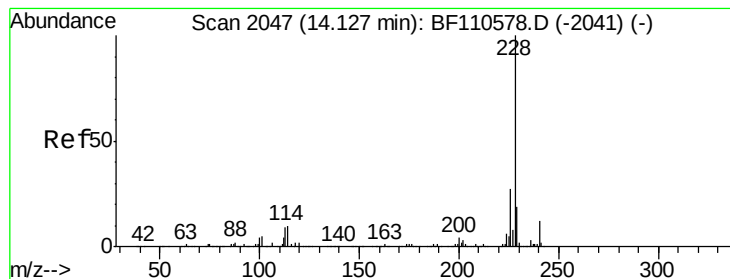
Tgt Ion: 202 Resp: 34116
 Ion Ratio Lower Upper
 202 100
 200 20.8 17.8 26.6
 203 18.0 14.2 21.4



#79
 Terphenyl-d14
 Concen: 44.152 ng
 RT: 13.06 min Scan# 1865
 Delta R.T. -0.01 min
 Lab File: BF110933.D
 Acq: 21 Nov 2018 17:28

Tgt Ion: 244 Resp: 318253
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.8 8.8
 122 11.8 8.7 13.1





#81

Benzo(a)anthracene

Concen: 2.673 ng

RT: 14.16 min Scan# 2052

Delta R.T. 0.03 min

Lab File: BF110933.D

Acq: 21 Nov 2018 17:28

Instrument :

BNA_F

ClientSampleId :

PL-01-112018-B

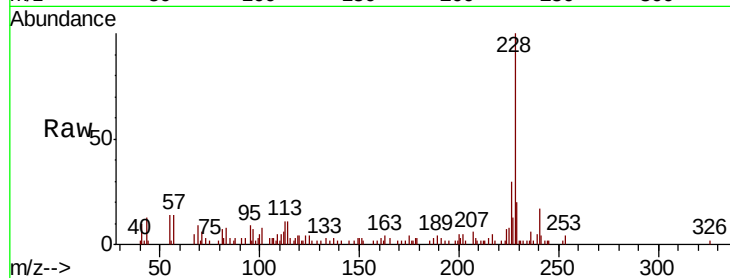
Tgt Ion:228 Resp: 21571

Ion Ratio Lower Upper

228 100

226 30.2 22.1 33.1

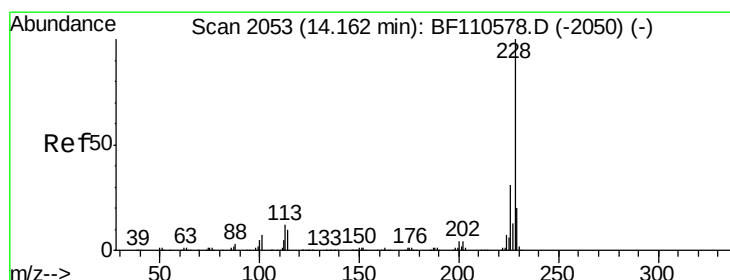
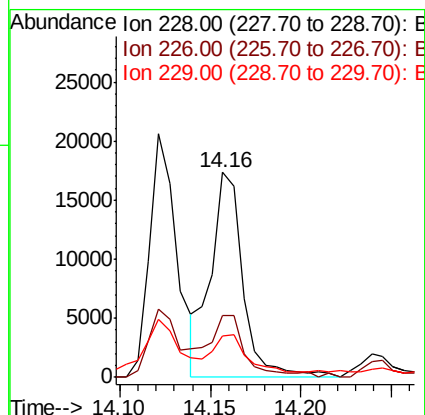
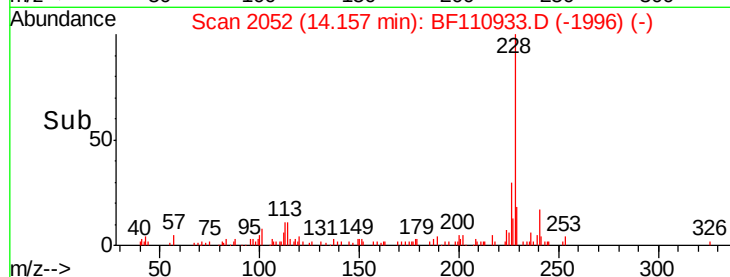
229 20.0 15.6 23.4



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: 2.806 ng

RT: 14.16 min Scan# 2052

Delta R.T. -0.01 min

Lab File: BF110933.D

Acq: 21 Nov 2018 17:28

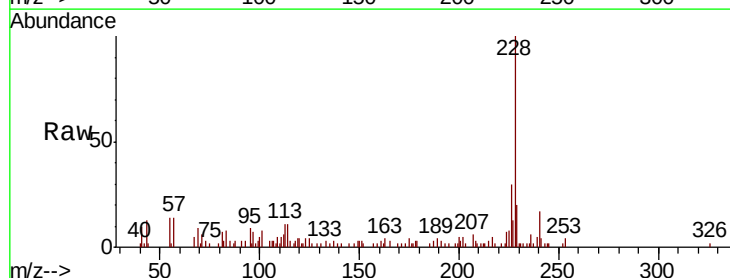
Tgt Ion:228 Resp: 21571

Ion Ratio Lower Upper

228 100

226 30.2 24.7 37.1

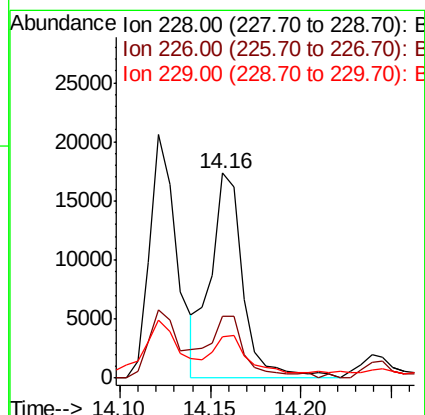
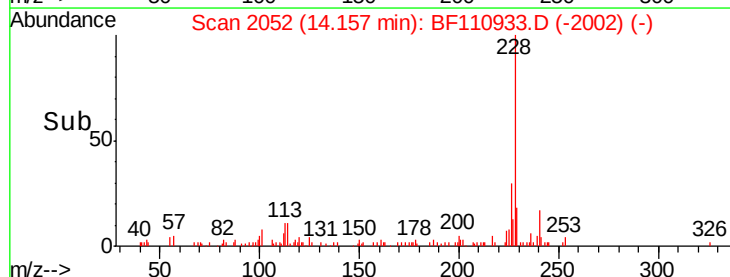
229 20.0 15.9 23.9

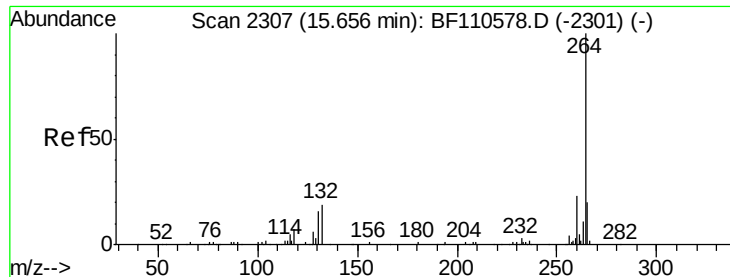


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

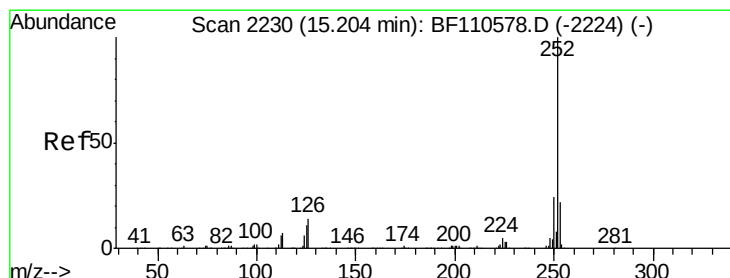
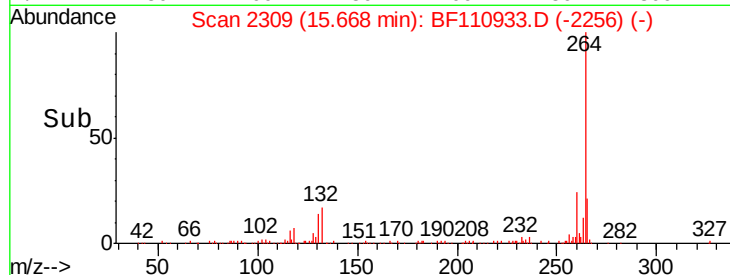
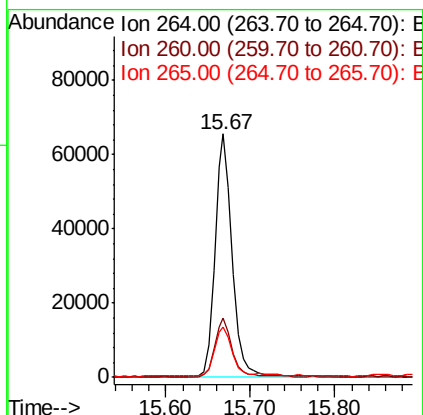
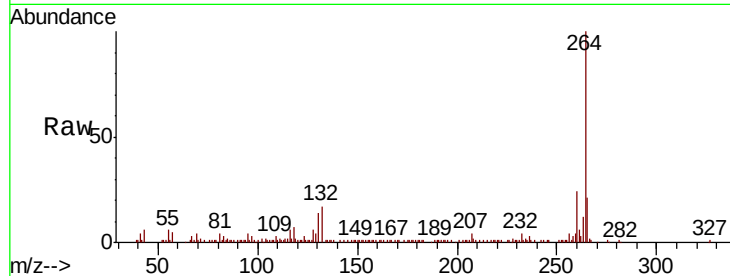




#87
Perylene-d12
Concen: 20.000 ng
RT: 15.67 min Scan# 2309
Delta R.T. 0.01 min
Lab File: BF110933.D
Acq: 21 Nov 2018 17:28

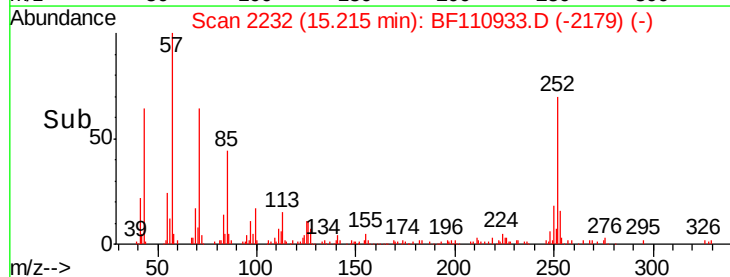
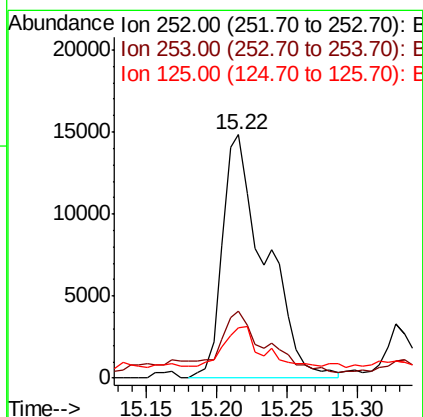
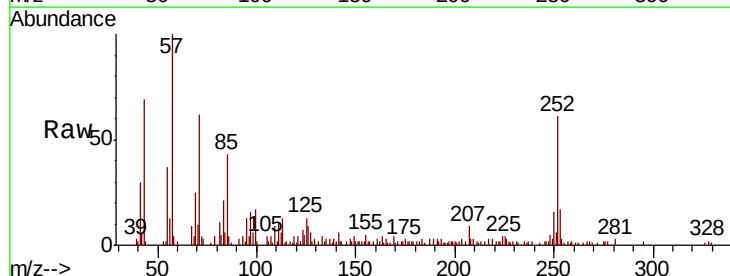
Instrument :
BNA_F
ClientSampleId :
PL-01-112018-B

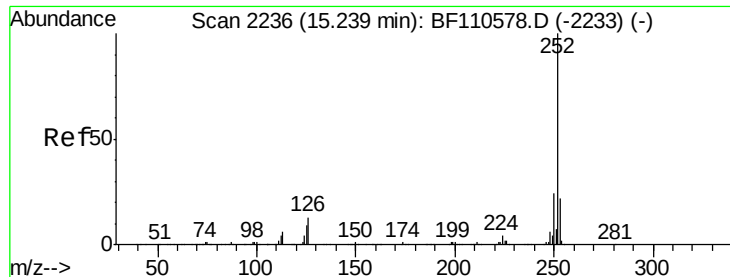
Tgt Ion:264 Resp: 95280
Ion Ratio Lower Upper
264 100
260 24.4 18.7 28.1
265 20.9 16.7 25.1



#88
Benzo(b)fluoranthene
Concen: 5.517 ng
RT: 15.22 min Scan# 2232
Delta R.T. 0.01 min
Lab File: BF110933.D
Acq: 21 Nov 2018 17:28

Tgt Ion:252 Resp: 31446
Ion Ratio Lower Upper
252 100
253 27.5 17.2 25.8#
125 20.8 8.2 12.4#





#89

Benzo(k)fluoranthene

Concen: 5.583 ng

RT: 15.22 min Scan# 2232

Delta R.T. -0.02 min

Lab File: BF110933.D

Acq: 21 Nov 2018 17:28

Instrument :

BNA_F

ClientSampleId :

PL-01-112018-B

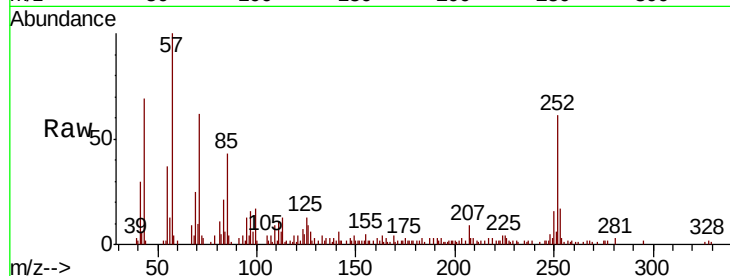
Tgt Ion:252 Resp: 31446

Ion Ratio Lower Upper

252 100

253 27.5 17.2 25.8#

125 20.8 7.4 11.0#

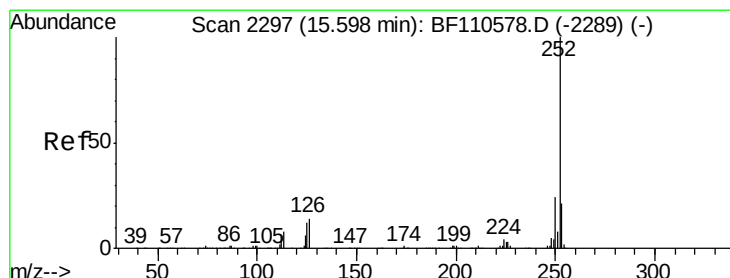
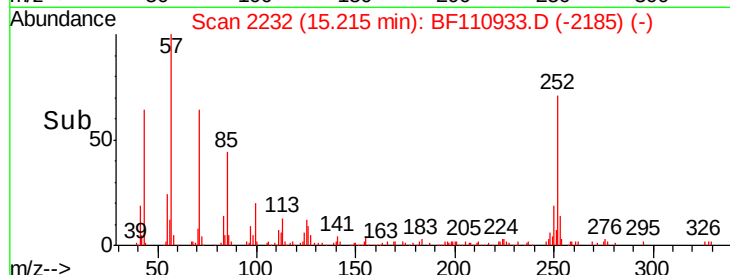
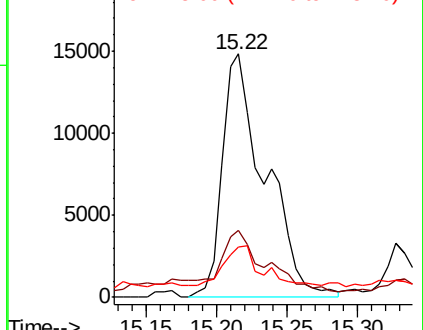


Abundance

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: 2.770 ng

RT: 15.60 min Scan# 2298

Delta R.T. 0.01 min

Lab File: BF110933.D

Acq: 21 Nov 2018 17:28

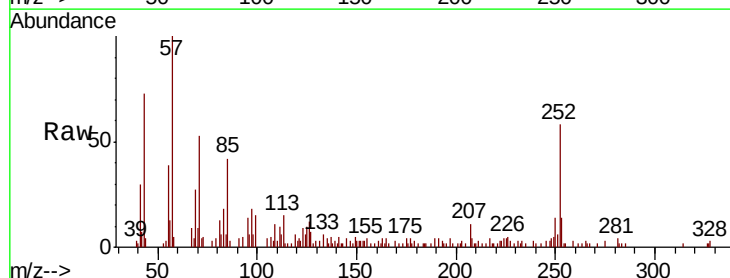
Tgt Ion:252 Resp: 14347

Ion Ratio Lower Upper

252 100

253 24.6 18.2 27.4

125 17.8 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

