

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111618\
 Data File : BF110815.D
 Acq On : 16 Nov 2018 14:33
 Operator : JU/SJ
 Sample : J5964-04
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 16 15:33:56 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	63589	20.00	ng	0.00
21) Naphthalene-d8	8.22	136	265613	20.00	ng	0.00
39) Acenaphthene-d10	9.98	164	127455	20.00	ng	-0.01
64) Phenanthrene-d10	11.47	188	236931	20.00	ng	-0.01
76) Chrysene-d12	14.13	240	140861	20.00	ng	-0.01
87) Perylene-d12	15.66	264	144611	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.56	112	487541	124.54	ng	0.00
7) Phenol-d6	6.57	99	624505	124.75	ng	0.00
23) Nitrobenzene-d5	7.50	82	394400	85.51	ng	-0.01
42) 2,4,6-Tribromophenol	10.78	330	142581	111.02	ng	0.00
45) 2-Fluorobiphenyl	9.30	172	737503	82.64	ng	0.00
79) Terphenyl-d14	13.06	244	596337	79.28	ng	0.00

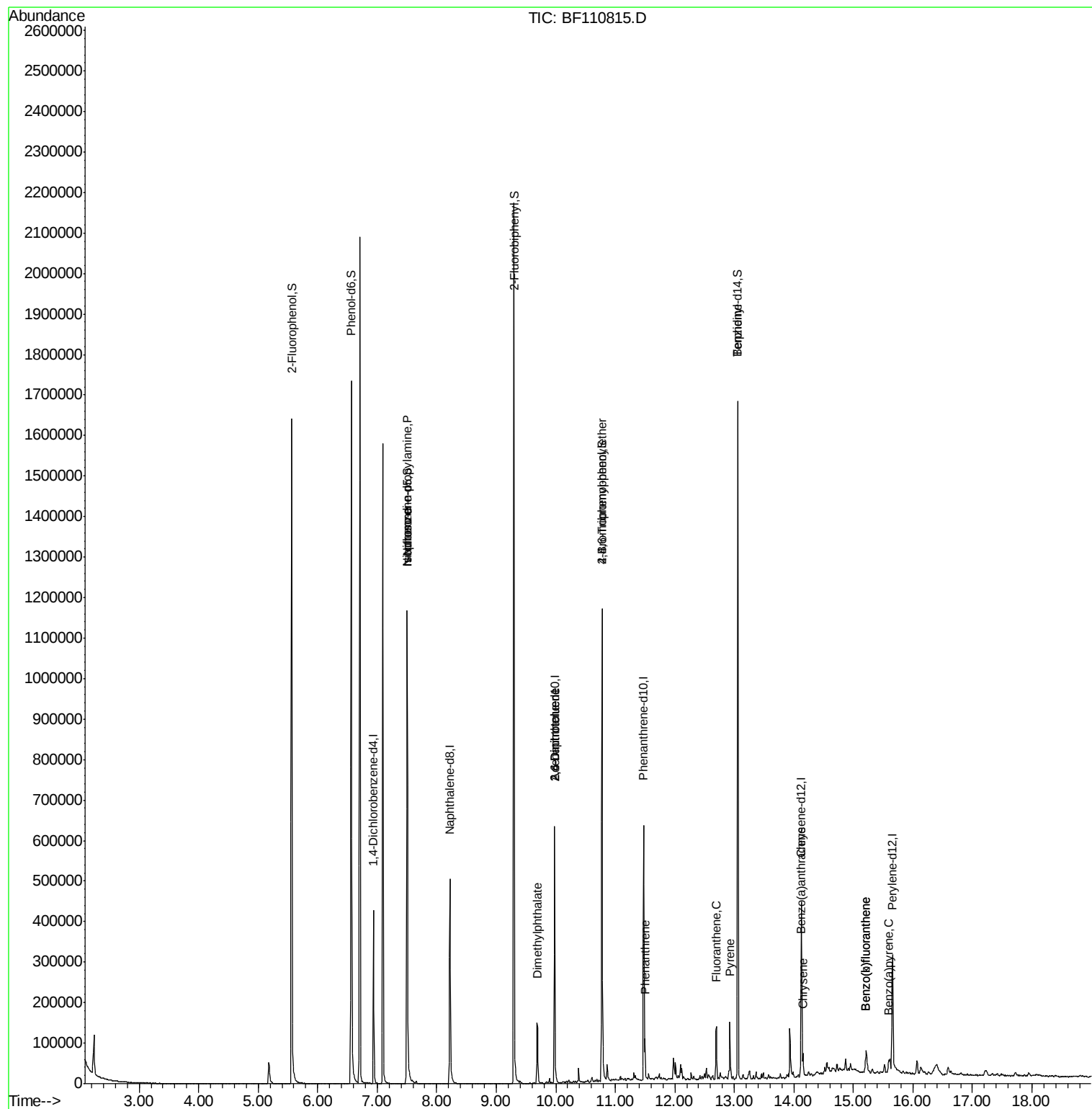
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.57	77	897	Below Cal		# 1
19) n-Nitroso-di-n-propylamine	7.50	70	51331	16.063	ng	# 80
25) Isophorone	7.50	82	394397	52.173	ng	# 67
50) Dimethylphthalate	9.69	163	73053	7.681	ng	99
51) 2,6-Dinitrotoluene	9.98	165	15817	7.560	ng	# 22
57) 2,4-Dinitrotoluene	9.98	165	15817	5.815	ng	# 18
67) 4-Bromophenyl-phenylether	10.77	248	9160	3.498	ng	# 1
71) Phenanthrene	11.50	178	33770	2.660	ng	98
75) Fluoranthene	12.70	202	54644	4.294	ng	98
77) Benzidine	13.06	184	8008	2.067	ng	# 91
78) Pyrene	12.93	202	58541	5.397	ng	98
81) Benzo(a)anthracene	14.12	228	22930	2.723	ng	98
83) Chrysene	14.16	228	22845	2.848	ng	99
88) Benzo(b)fluoranthene	15.20	252	28349	3.277	ng	# 92
89) Benzo(k)fluoranthene	15.20	252	28349	3.316	ng	# 91
90) Benzo(a)pyrene	15.59	252	16345	2.079	ng	99

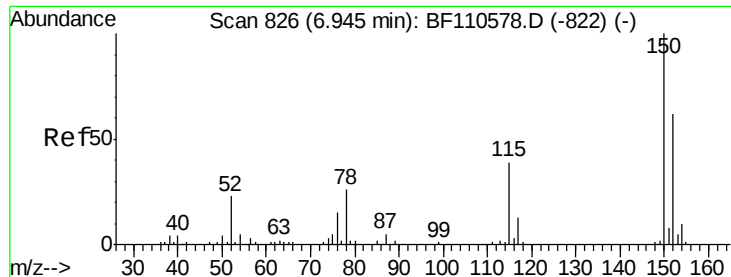
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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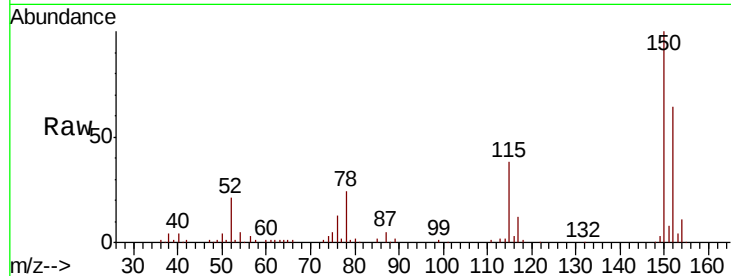


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.94 min Scan# 825
Delta R.T. -0.01 min
Lab File: BF110815.D
Acq: 16 Nov 2018 14:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.5	122.7	184.1
115	60.2	49.1	73.7

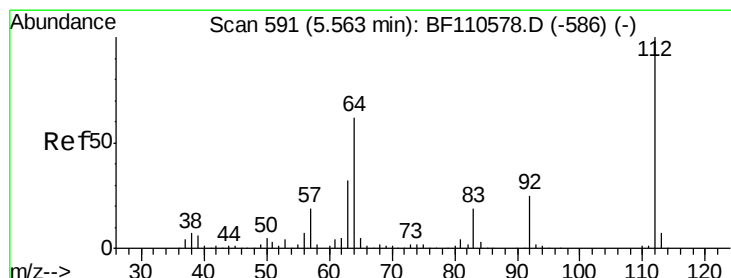
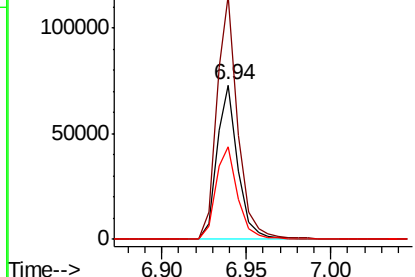
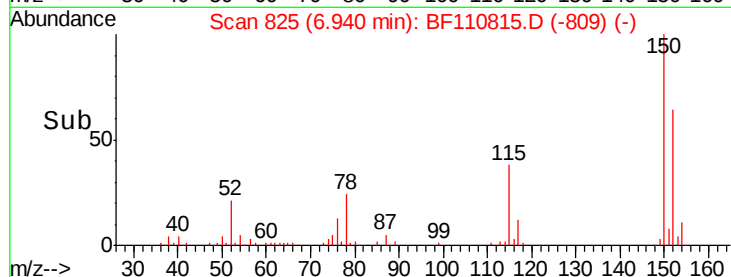


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

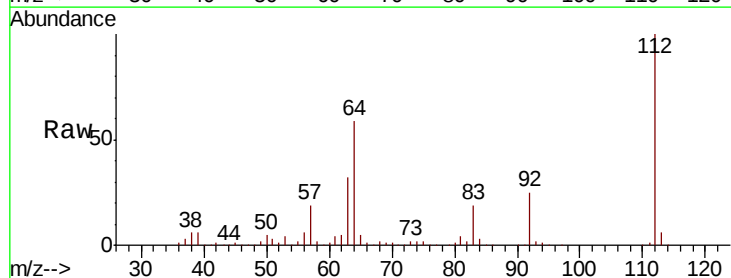
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 124.537 ng
RT: 5.56 min Scan# 591
Delta R.T. 0.00 min
Lab File: BF110815.D
Acq: 16 Nov 2018 14:33

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.1	44.1	66.1
63	31.7	23.7	35.5

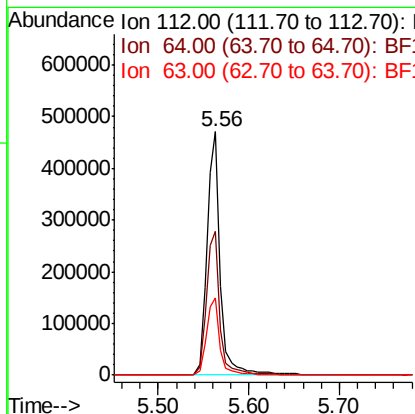
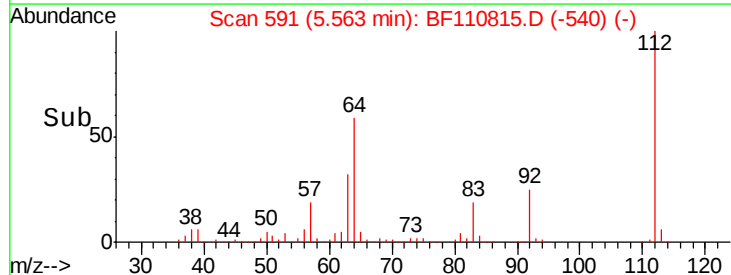


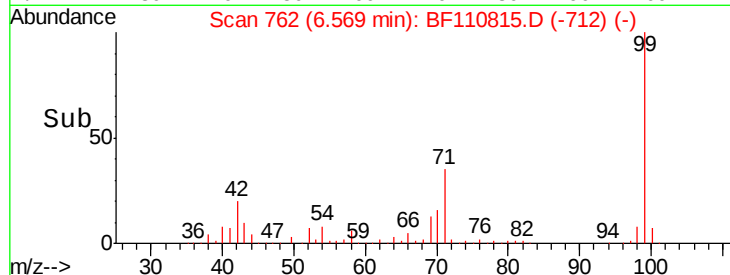
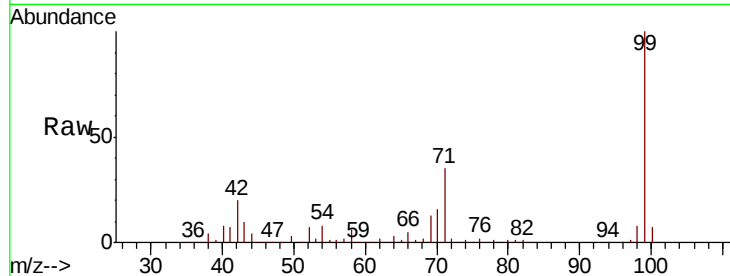
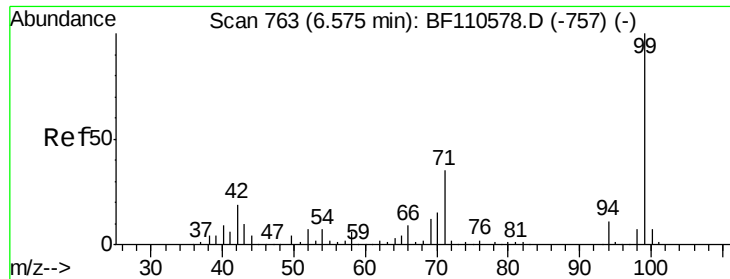
Abundance

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: 124.749 ng

RT: 6.57 min Scan# 762

Delta R.T. -0.01 min

Lab File: BF110815.D

Acq: 16 Nov 2018 14:33

Instrument :

BNA_F

ClientSampleId :

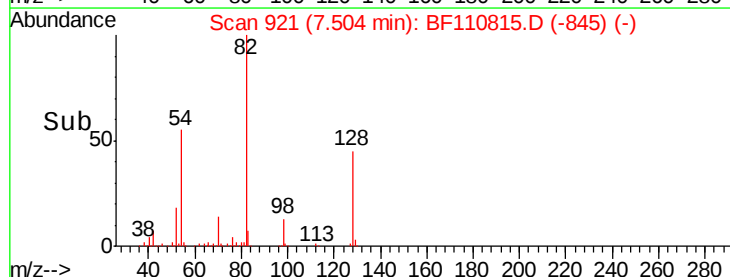
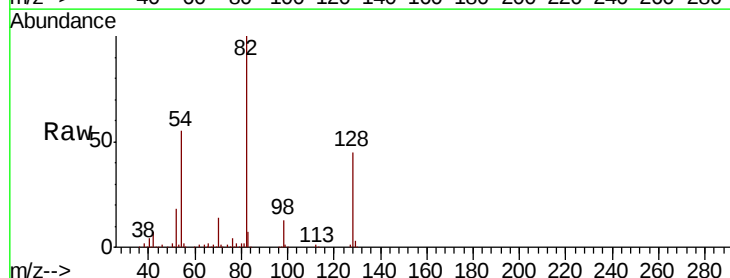
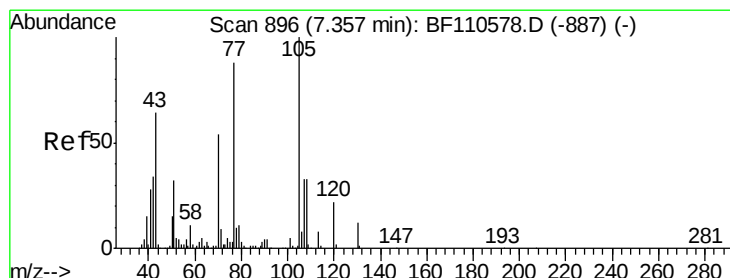
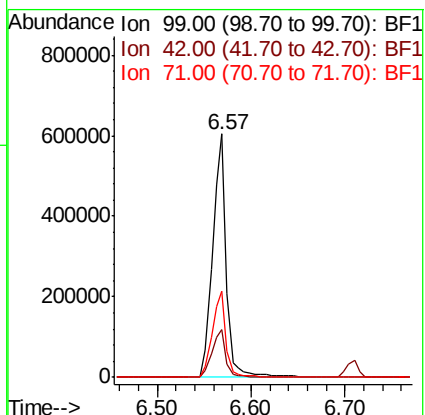
Tot Ion: 99 Resp: 624505

Ion Ratio Lower Upper

99 100

42 19.6 15.8 23.6

71 35.5 28.0 42.0



#19

n-Nitroso-di-n-propylamine

Concen: 16.063 ng

RT: 7.50 min Scan# 921

Delta R.T. 0.15 min

Lab File: BF110815.D

Acq: 16 Nov 2018 14:33

Tgt Ion: 70 Resp: 51331

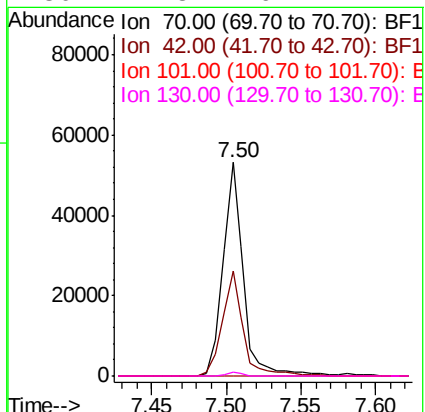
Ion Ratio Lower Upper

70 100

42 49.4 47.4 71.2

101 0.0 7.3 10.9#

130 1.8 16.2 24.2#

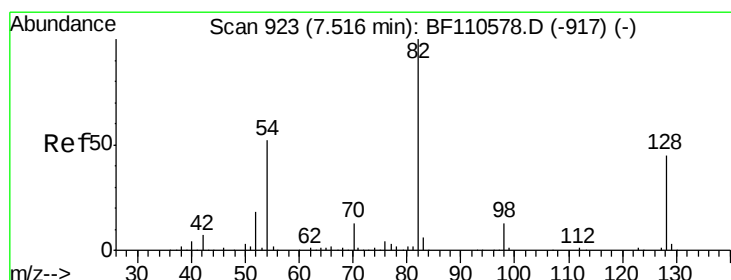
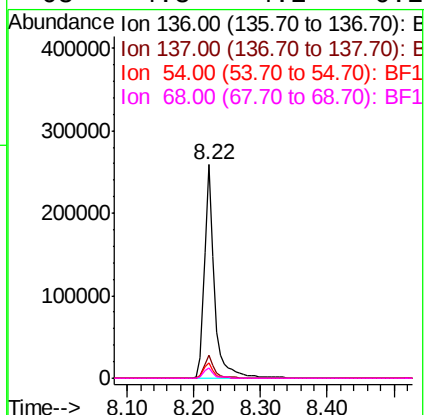
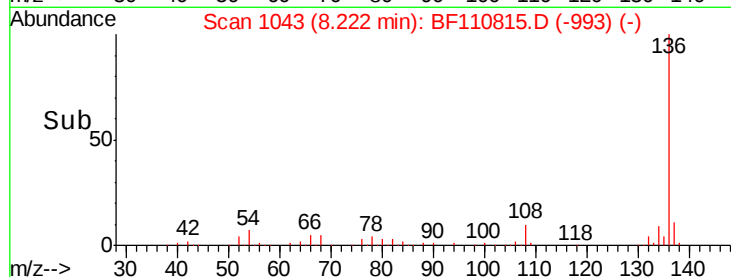
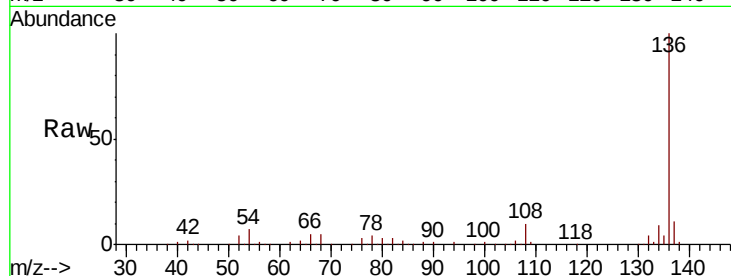




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.22 min Scan# 1043
Delta R.T. -0.01 min
Lab File: BF110815.D
Acq: 16 Nov 2018 14:33

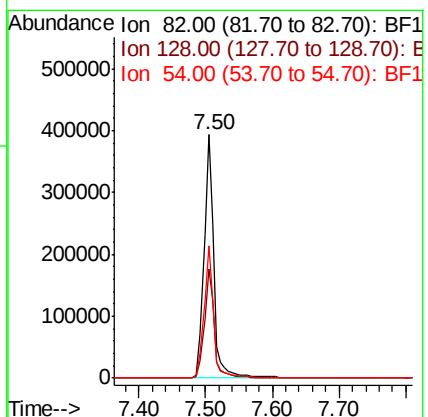
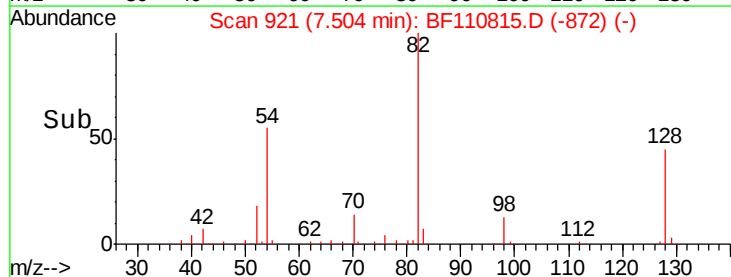
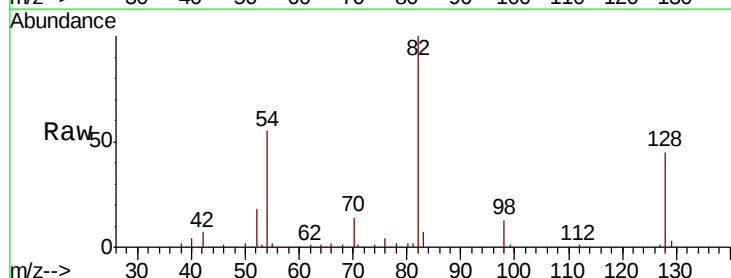
Instrument :
BNA_F
ClientSampleId :

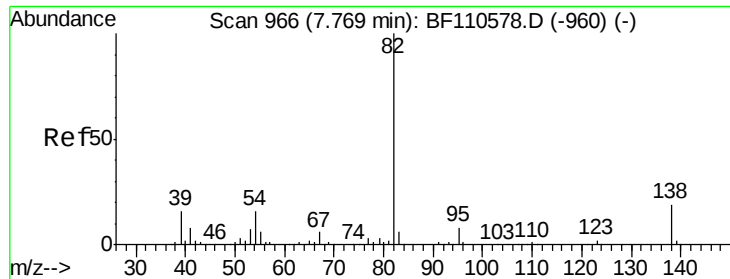
Tot Ion:136	Resp:	265613
Ion Ratio	Lower	Upper
136	100	
137	10.7	8.8 13.2
54	7.4	5.4 8.2
68	4.8	4.2 6.2



#23
Nitrobenzene-d5
Concen: 85.513 ng
RT: 7.50 min Scan# 921
Delta R.T. -0.01 min
Lab File: BF110815.D
Acq: 16 Nov 2018 14:33

Tgt Ion: 82	Resp:	394400
Ion Ratio	Lower	Upper
82	100	
128	44.6	34.2 51.2
54	54.6	38.6 58.0





#25

Isophorone

Concen: 52.173 ng

RT: 7.50 min Scan# 921

Delta R.T. -0.26 min

Lab File: BF110815.D

Acq: 16 Nov 2018 14:33

Instrument :

BNA_F

ClientSampleId :

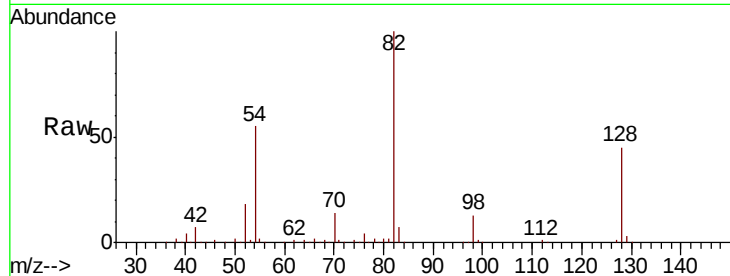
Tot Ion: 82 Resp: 394397

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

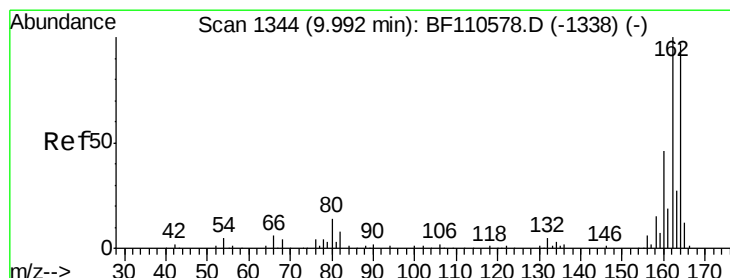
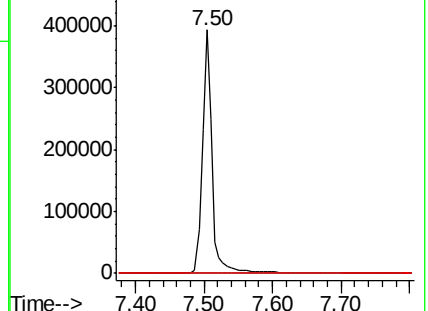
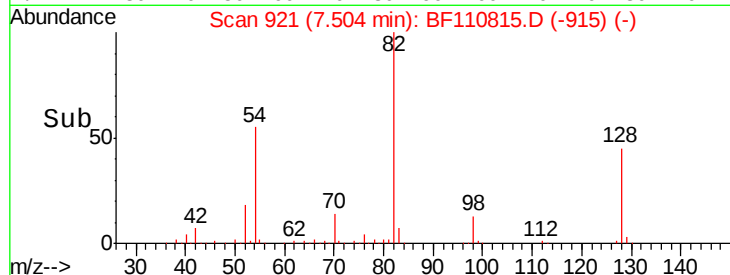
138 0.0 13.2 19.8#



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: BF110815.D

Acq: 16 Nov 2018 14:33

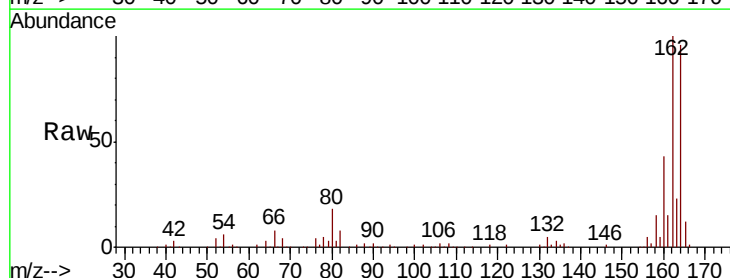
Tgt Ion:164 Resp: 127455

Ion Ratio Lower Upper

164 100

162 104.2 83.0 124.6

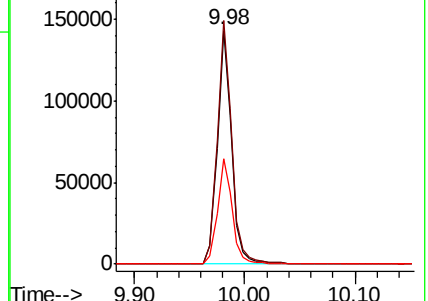
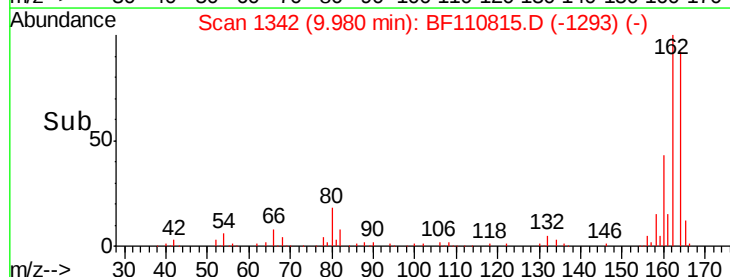
160 45.1 37.0 55.6

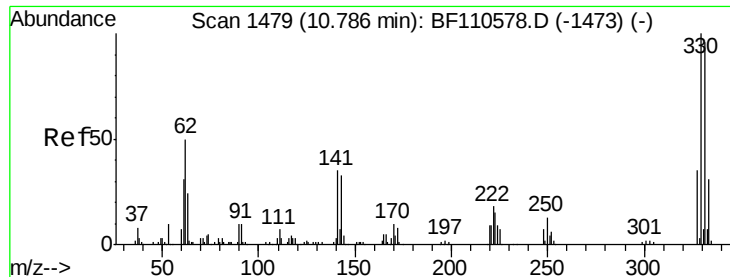


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

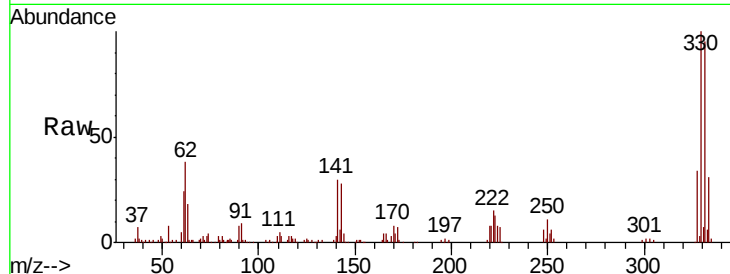




#42
 2,4,6-Tribromophenol
 Concen: 111.021 ng
 RT: 10.78 min Scan# 1478
 Delta R.T. -0.01 min
 Lab File: BF110815.D
 Acq: 16 Nov 2018 14:33

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.1	77.1	115.7
141	38.3	27.0	40.4

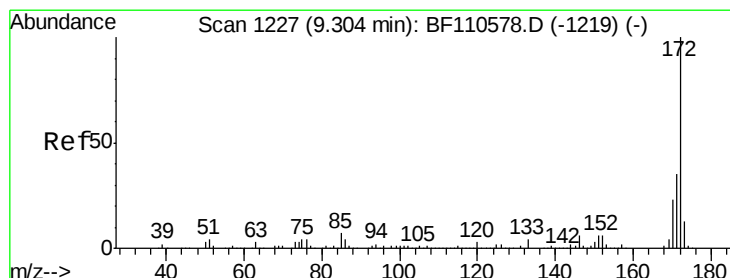
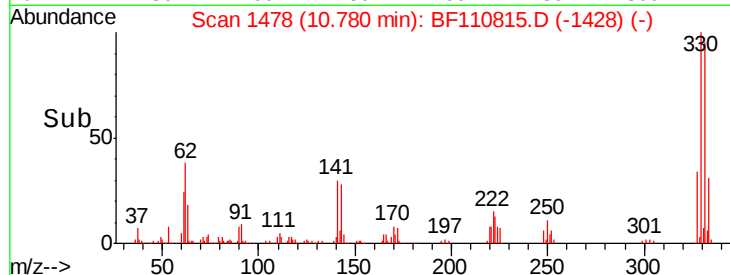
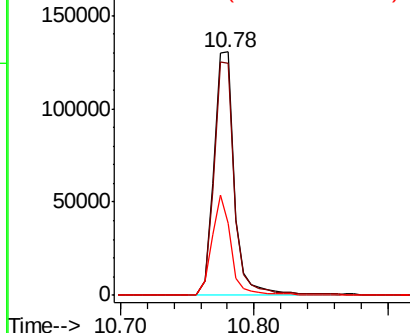


Abundance

Ion 329.80 (329.50 to 330.50): E

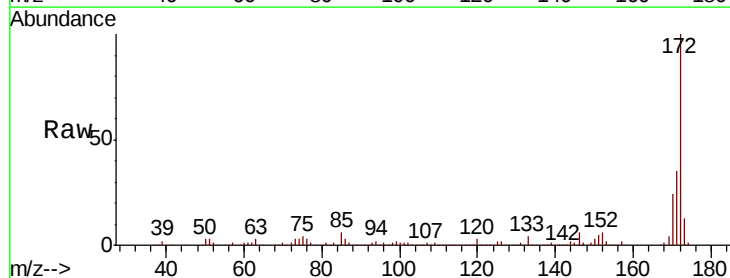
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 82.640 ng
 RT: 9.30 min Scan# 1226
 Delta R.T. -0.01 min
 Lab File: BF110815.D
 Acq: 16 Nov 2018 14:33

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.6	43.0
170	23.7	19.7	29.5

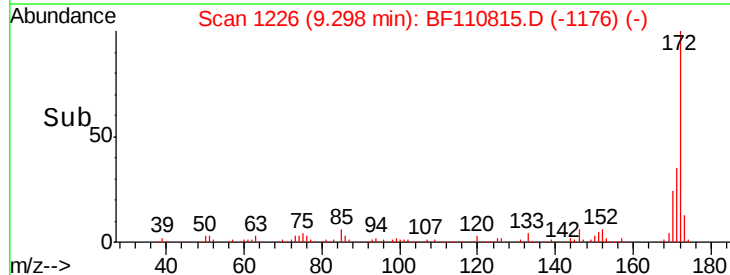
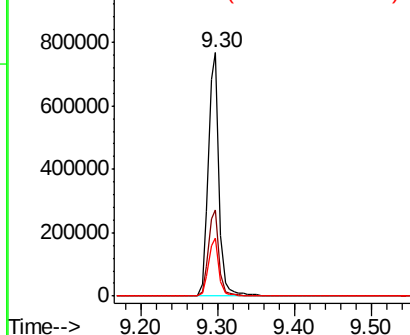


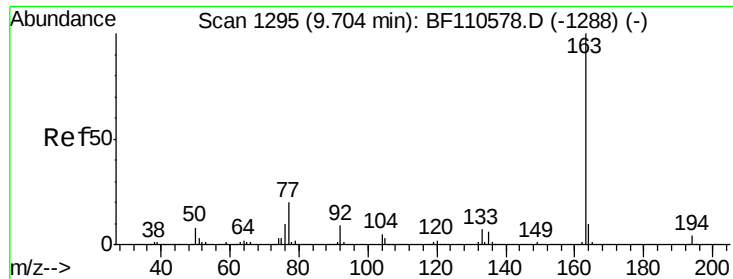
Abundance

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: 7.681 ng

RT: 9.69 min Scan# 1293

Delta R.T. -0.01 min

Lab File: BF110815.D

Acq: 16 Nov 2018 14:33

Instrument :

BNA_F

ClientSampleId :

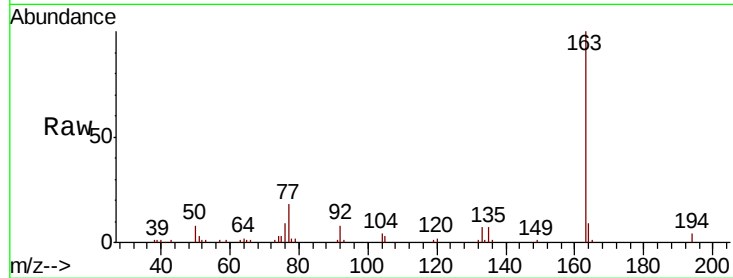
Tot Ion:163 Resp: 73053

Ion Ratio Lower Upper

163 100

194 4.0 3.2 4.8

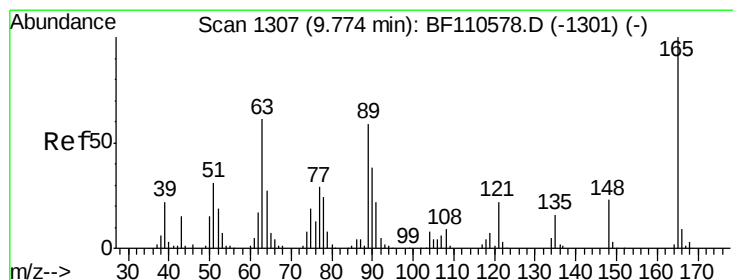
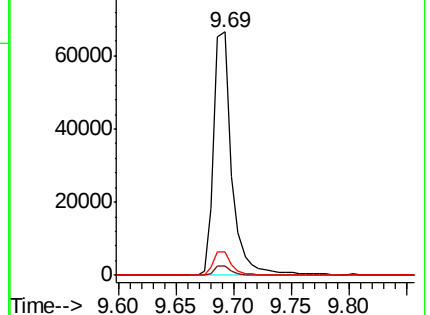
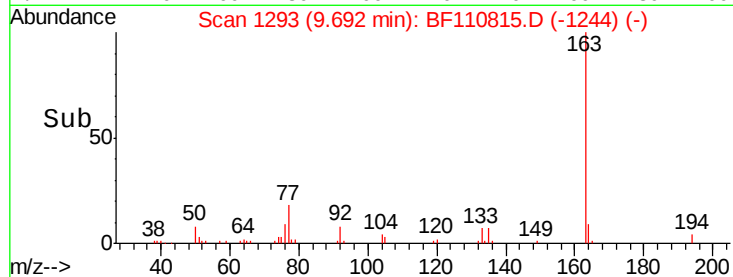
164 9.5 8.1 12.1



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: 7.560 ng

RT: 9.98 min Scan# 1342

Delta R.T. 0.21 min

Lab File: BF110815.D

Acq: 16 Nov 2018 14:33

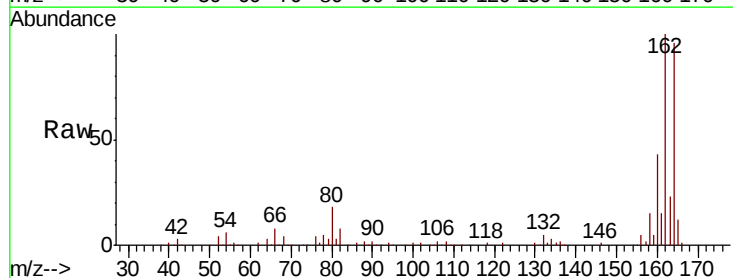
Tgt Ion:165 Resp: 15817

Ion Ratio Lower Upper

165 100

63 0.0 48.9 73.3#

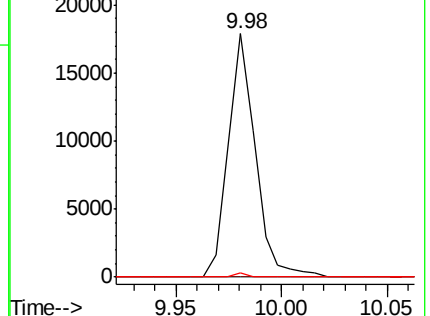
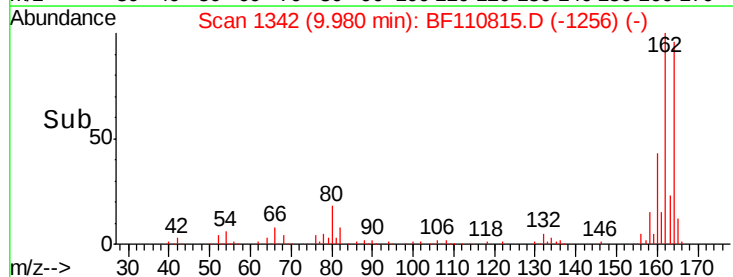
89 1.7 46.6 69.8#



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

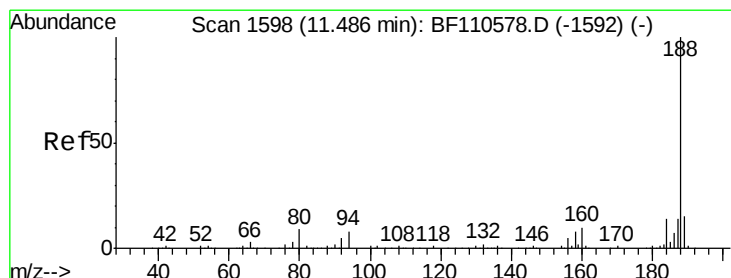
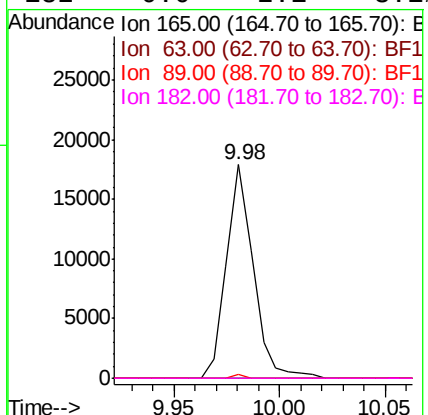
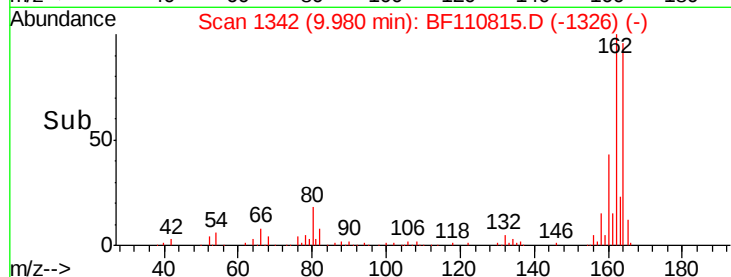
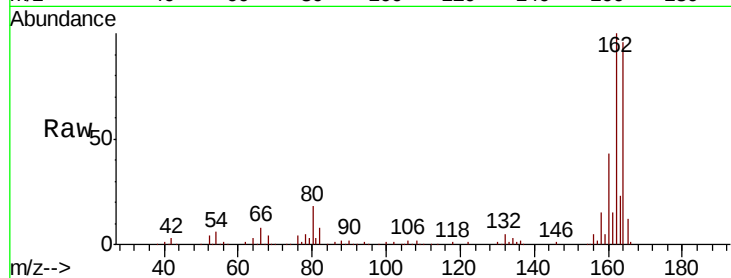




#57
 2,4-Dinitrotoluene
 Concen: 5.815 ng
 RT: 9.98 min Scan# 1342
 Delta R.T. -0.21 min
 Lab File: BF110815.D
 Acq: 16 Nov 2018 14:33

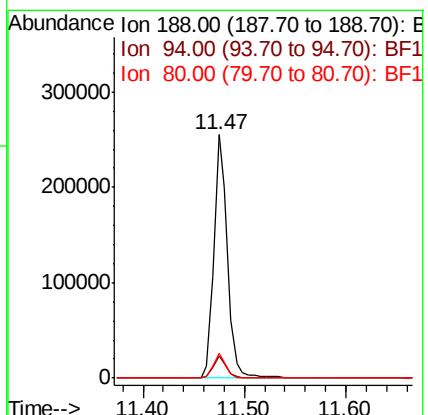
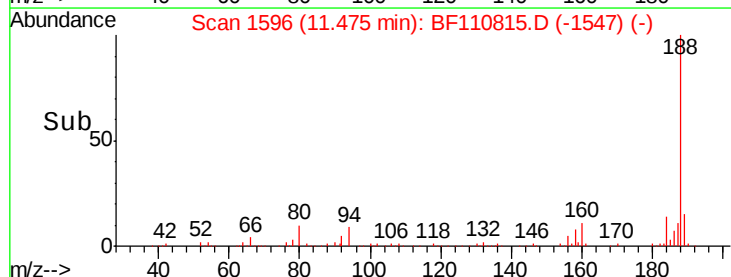
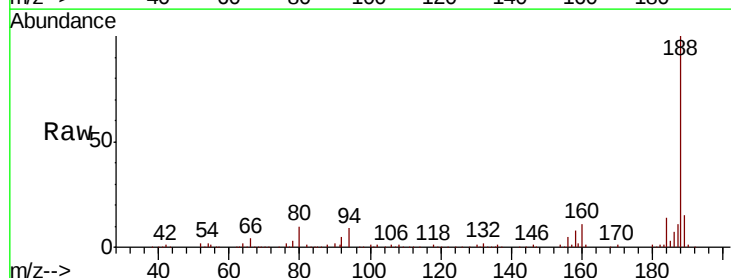
Instrument :
 BNA_F
 ClientSampleId :

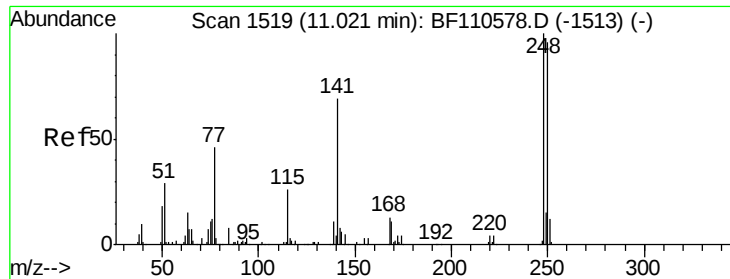
Tot Ion:165	Resp:	15817
Ion Ratio	Lower	Upper
165	100	
63	0.0	44.8 67.2#
89	1.7	62.2 93.4#
182	0.0	2.1 3.1#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.47 min Scan# 1596
 Delta R.T. -0.01 min
 Lab File: BF110815.D
 Acq: 16 Nov 2018 14:33

Tgt Ion:188	Resp:	236931
Ion Ratio	Lower	Upper
188	100	
94	9.2	7.2 10.8
80	10.1	7.9 11.9

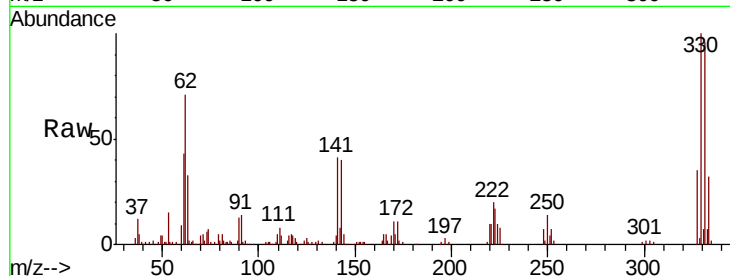




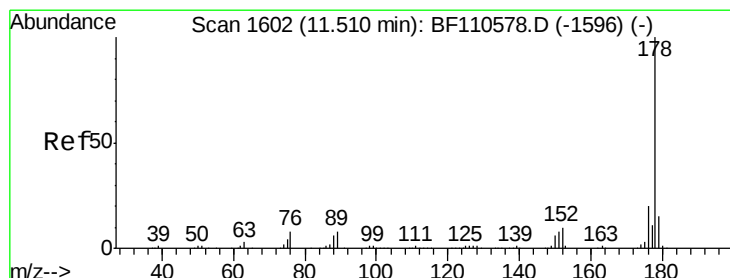
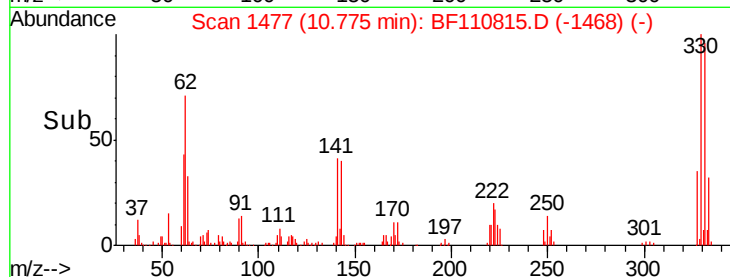
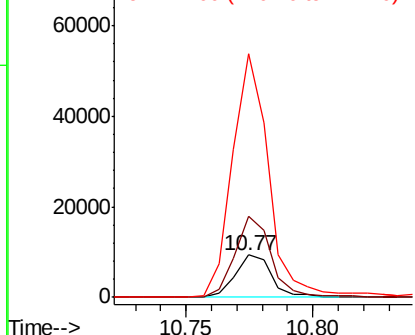
#67
 4-Bromophenyl-phenylether
 Concen: 3.498 ng
 RT: 10.77 min Scan# 1477
 Delta R.T. -0.25 min
 Lab File: BF110815.D
 Acq: 16 Nov 2018 14:33

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 9160
 Ion Ratio Lower Upper
 248 100
 250 189.3 79.4 119.2#
 141 571.3 55.9 83.9#

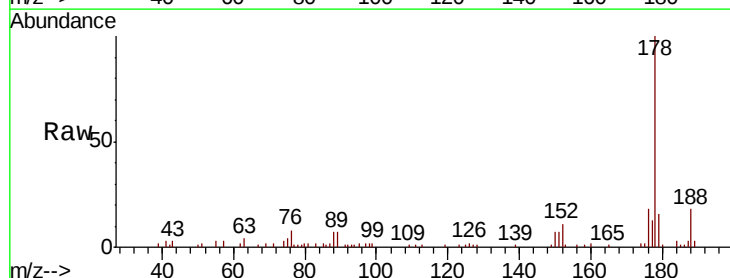


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

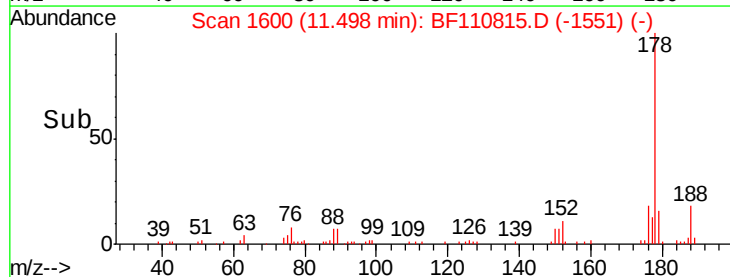
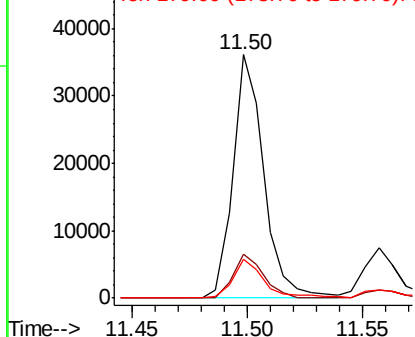


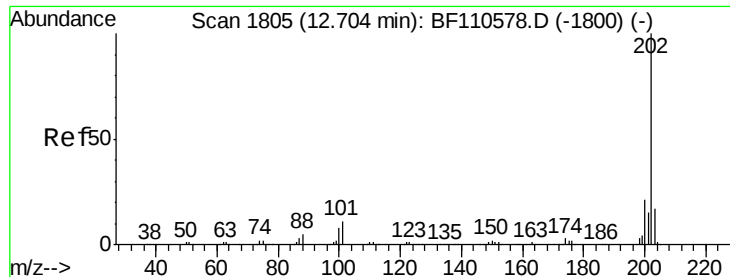
#71
 Phenanthrene
 Concen: 2.660 ng
 RT: 11.50 min Scan# 1600
 Delta R.T. -0.01 min
 Lab File: BF110815.D
 Acq: 16 Nov 2018 14:33

Tgt Ion:178 Resp: 33770
 Ion Ratio Lower Upper
 178 100
 176 18.2 15.5 23.3
 179 15.9 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: 4.294 ng

RT: 12.70 min Scan# 1804

Delta R.T. -0.01 min

Lab File: BF110815.D

Acq: 16 Nov 2018 14:33

Instrument :

BNA_F

ClientSampleId :

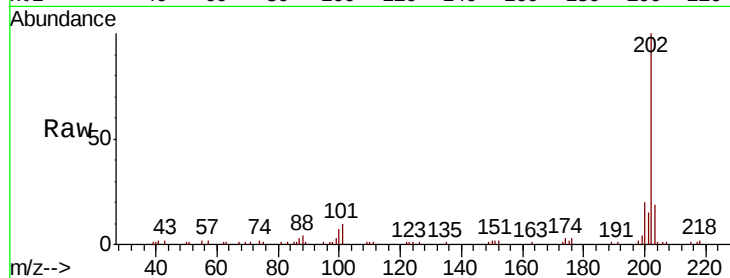
Tot Ion:202 Resp: 54644

Ion Ratio Lower Upper

202 100

101 10.4 0.0 31.4

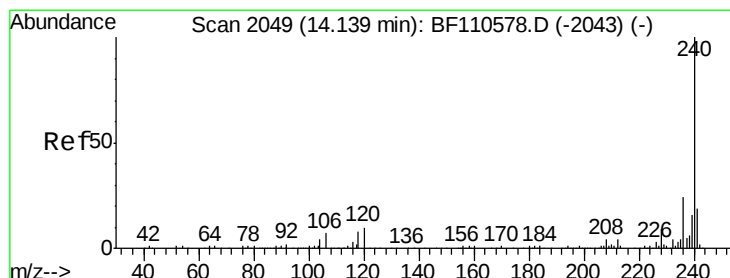
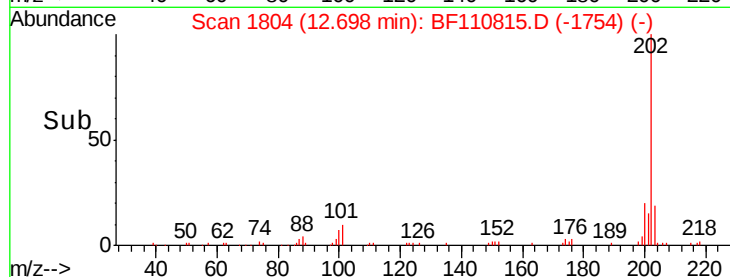
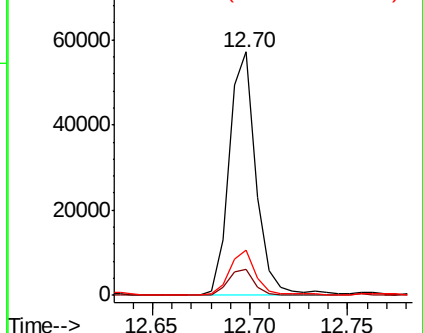
203 18.6 0.0 37.7



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: BF110815.D

Acq: 16 Nov 2018 14:33

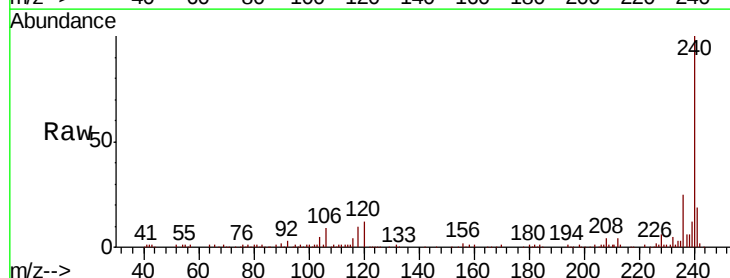
Tgt Ion:240 Resp: 140861

Ion Ratio Lower Upper

240 100

120 11.6 8.3 12.5

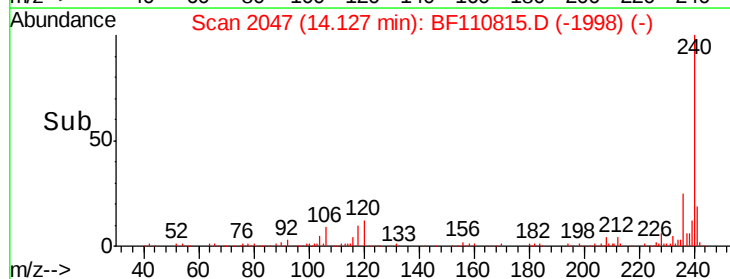
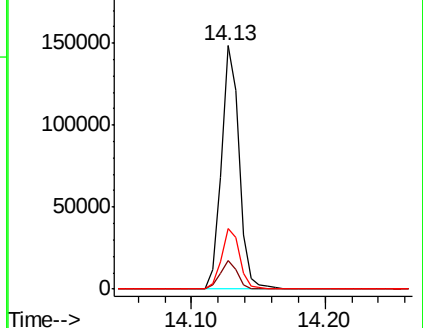
236 24.8 21.2 31.8

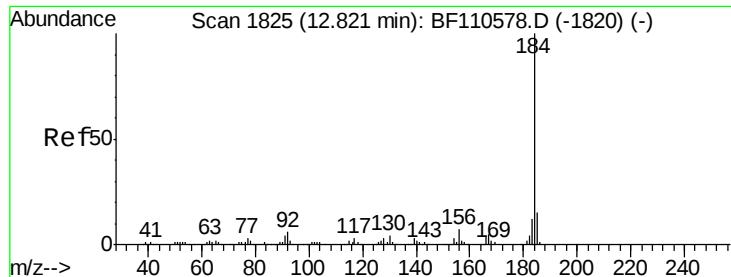


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 2.067 ng

RT: 13.06 min Scan# 1865

Delta R.T. 0.24 min

Lab File: BF110815.D

Acq: 16 Nov 2018 14:33

Instrument :

BNA_F

ClientSampled :

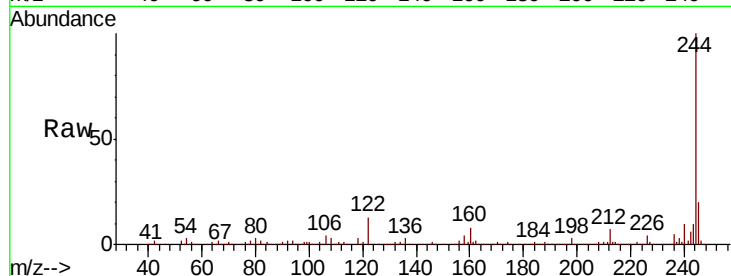
Tot Ion:184 Resp: 8008

Ion Ratio Lower Upper

184 100

185 21.7 13.4 20.2#

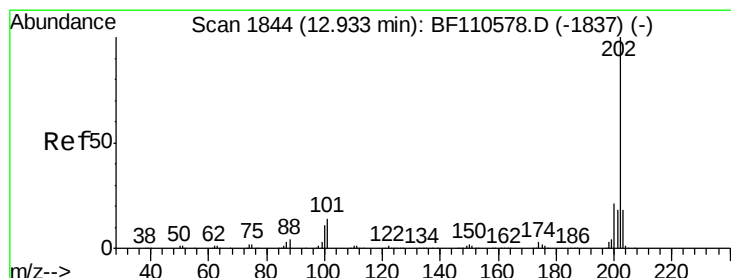
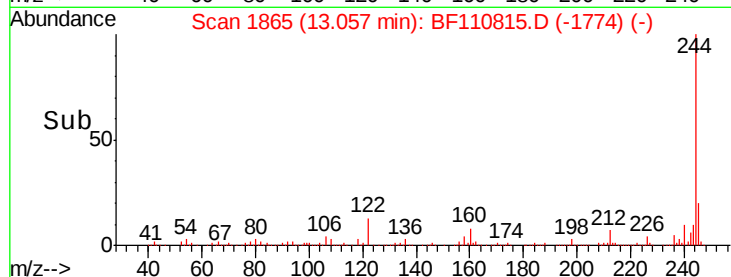
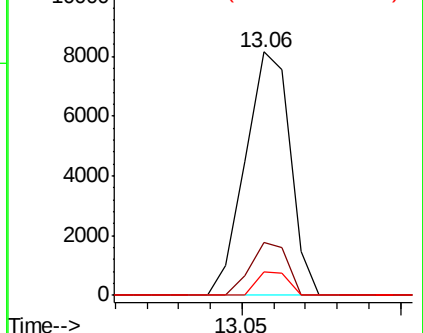
183 9.5 9.4 14.2



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 5.397 ng

RT: 12.93 min Scan# 1843

Delta R.T. -0.01 min

Lab File: BF110815.D

Acq: 16 Nov 2018 14:33

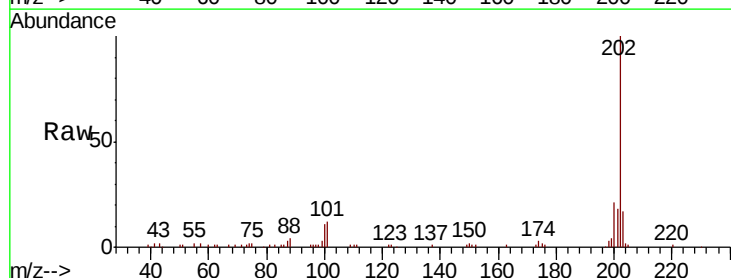
Tgt Ion:202 Resp: 58541

Ion Ratio Lower Upper

202 100

200 20.8 17.8 26.6

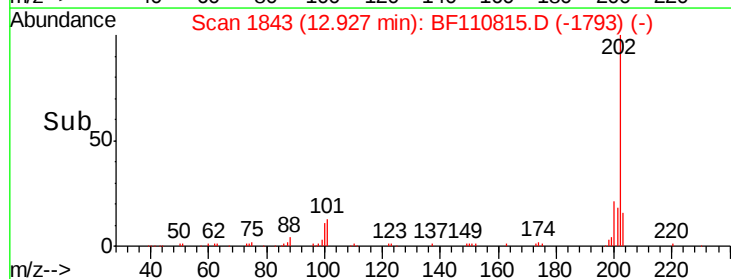
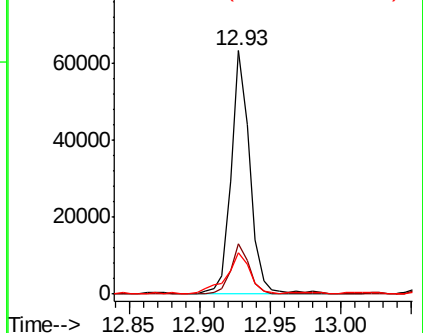
203 17.0 14.2 21.4

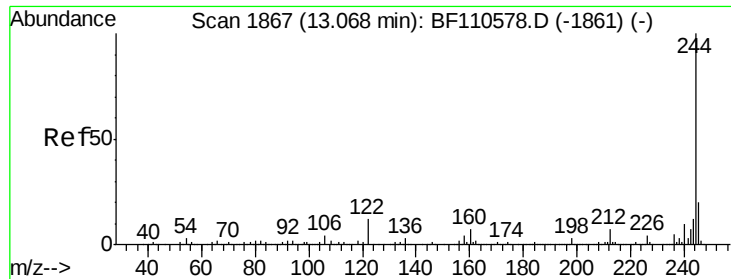


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 79.284 ng

RT: 13.06 min Scan# 1866

Delta R.T. -0.01 min

Lab File: BF110815.D

Acq: 16 Nov 2018 14:33

Instrument :

BNA_F

ClientSampleId :

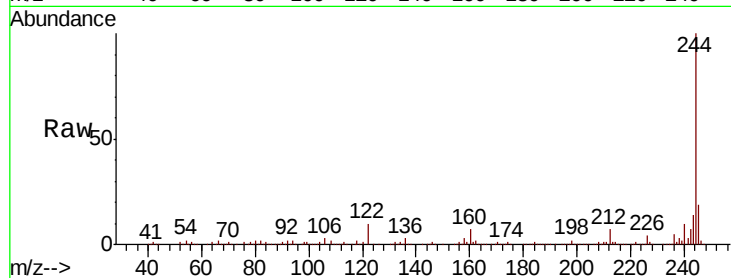
Tot Ion:244 Resp: 596337

Ion Ratio Lower Upper

244 100

212 6.8 5.8 8.8

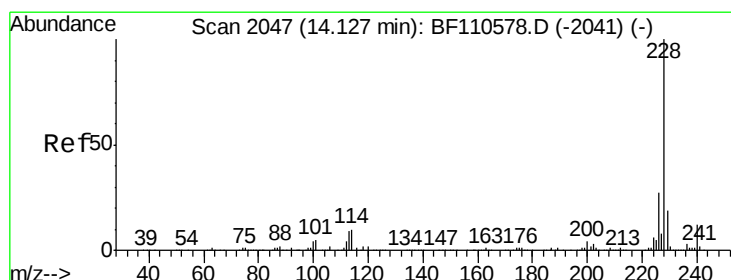
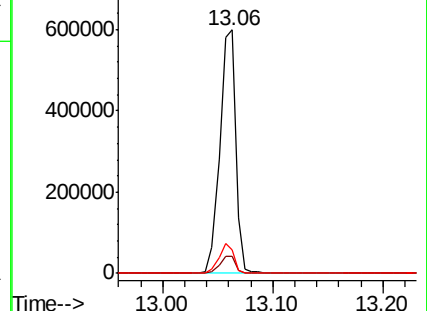
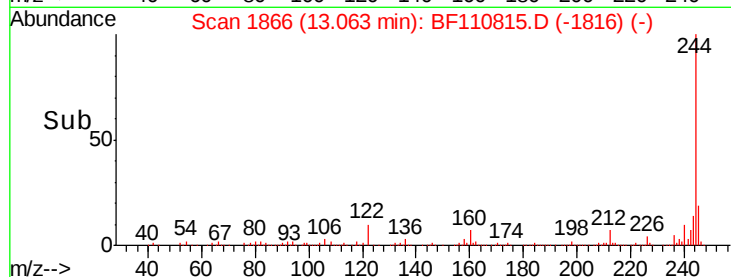
122 9.8 8.7 13.1



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 2.723 ng

RT: 14.12 min Scan# 2045

Delta R.T. -0.01 min

Lab File: BF110815.D

Acq: 16 Nov 2018 14:33

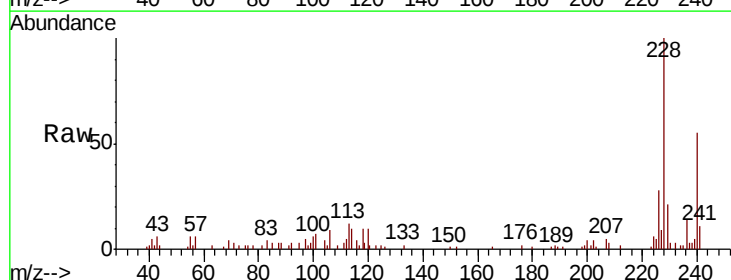
Tgt Ion:228 Resp: 22930

Ion Ratio Lower Upper

228 100

226 28.1 22.1 33.1

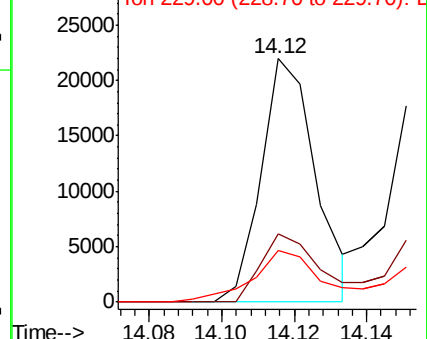
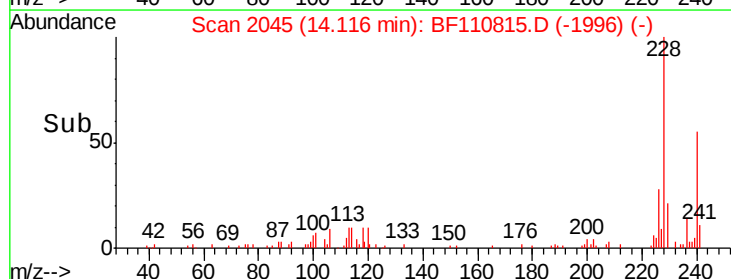
229 21.2 15.6 23.4

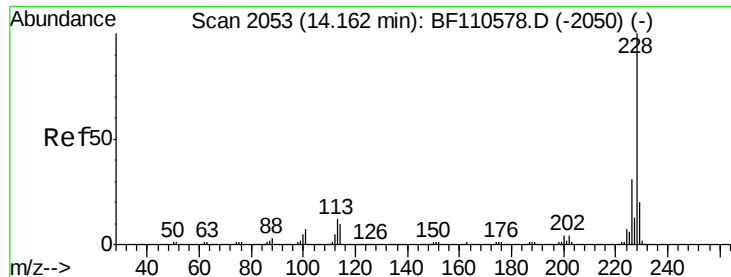


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

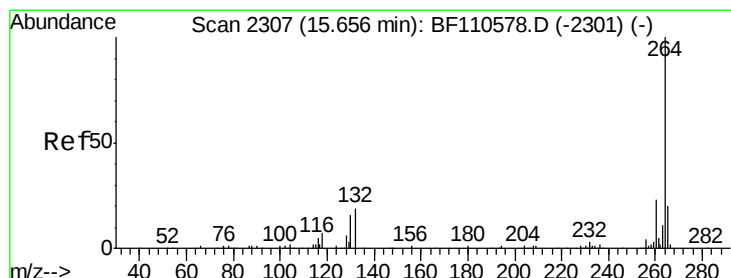
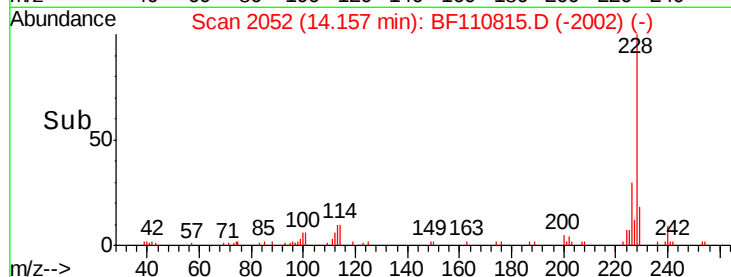
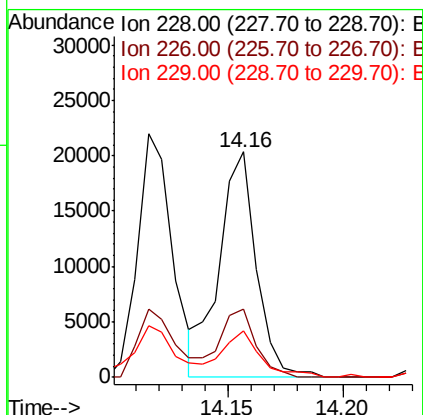
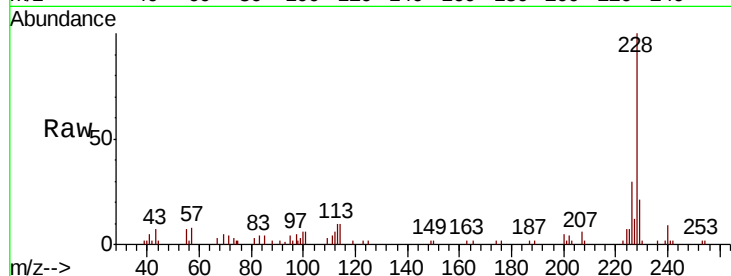




#83
Chrysene
Concen: 2.848 ng
RT: 14.16 min Scan# 2052
Delta R.T. -0.01 min
Lab File: BF110815.D
Acq: 16 Nov 2018 14:33

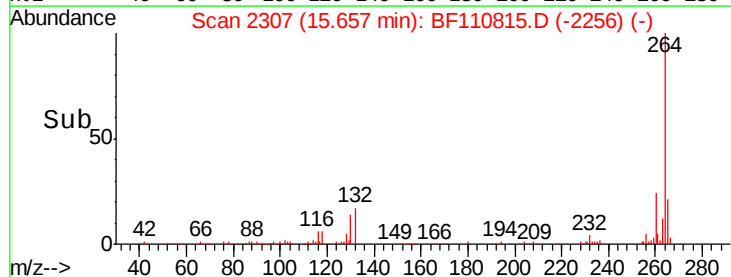
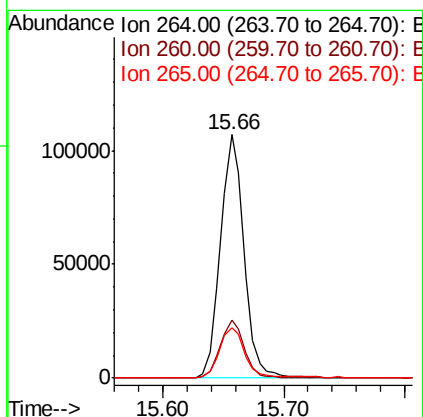
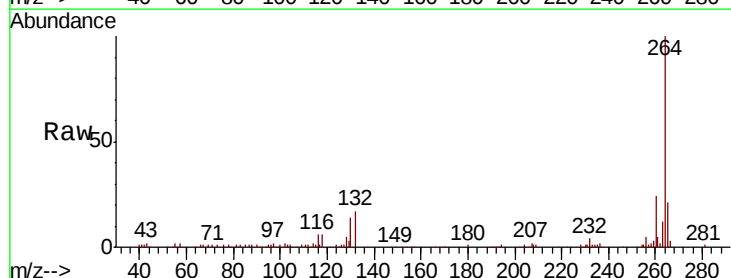
Instrument :
BNA_F
ClientSampleId :

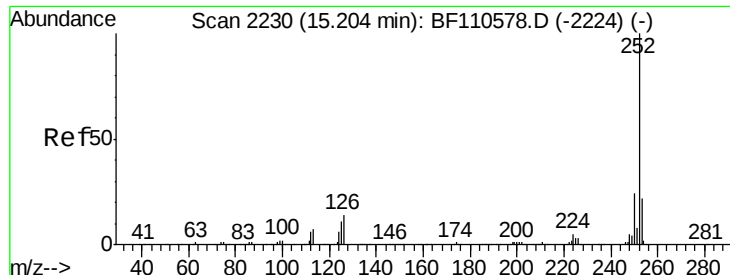
Tot Ion:228 Resp: 22845
Ion Ratio Lower Upper
228 100
226 30.2 24.7 37.1
229 20.5 15.9 23.9



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.66 min Scan# 2307
Delta R.T. 0.00 min
Lab File: BF110815.D
Acq: 16 Nov 2018 14:33

Tgt Ion:264 Resp: 144611
Ion Ratio Lower Upper
264 100
260 24.0 18.7 28.1
265 20.7 16.7 25.1

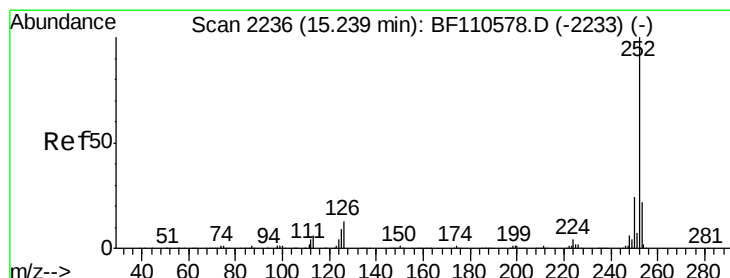
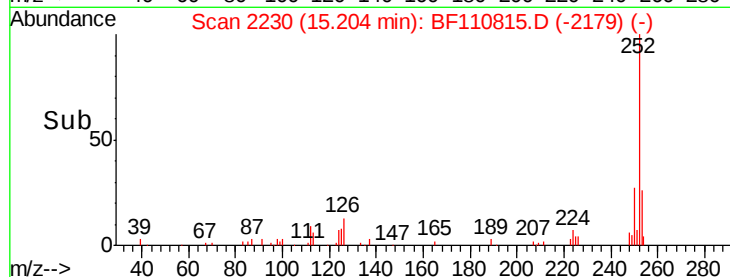
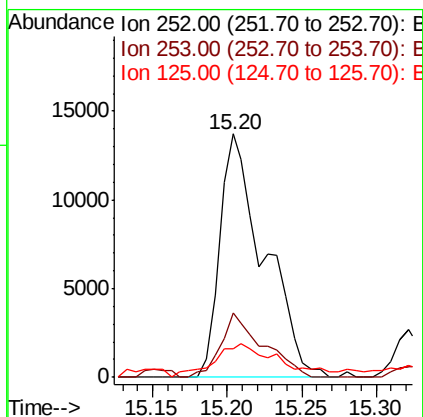
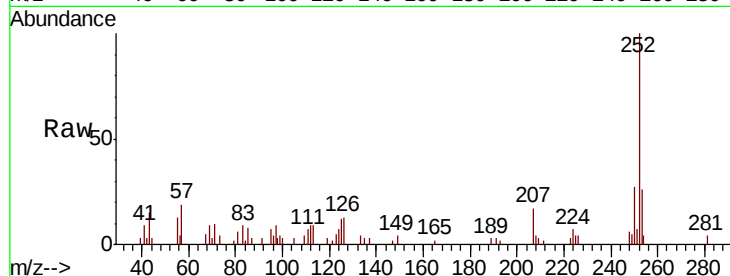




#88
Benzo(b)fluoranthene
Concen: 3.277 ng
RT: 15.20 min Scan# 2230
Delta R.T. 0.00 min
Lab File: BF110815.D
Acq: 16 Nov 2018 14:33

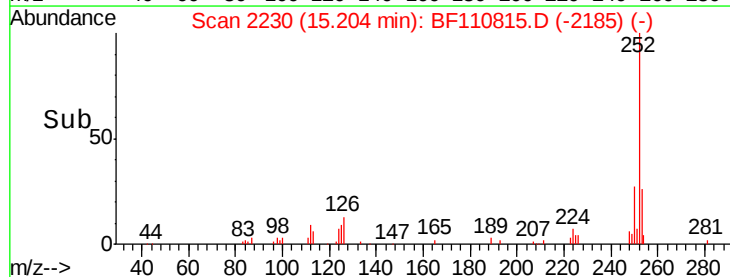
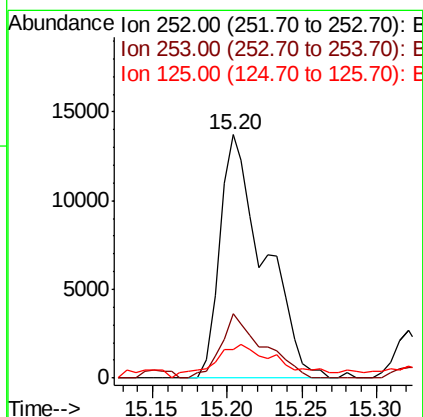
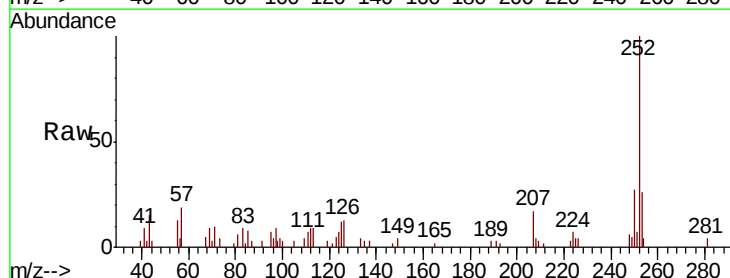
Instrument :
BNA_F
ClientSampleId :

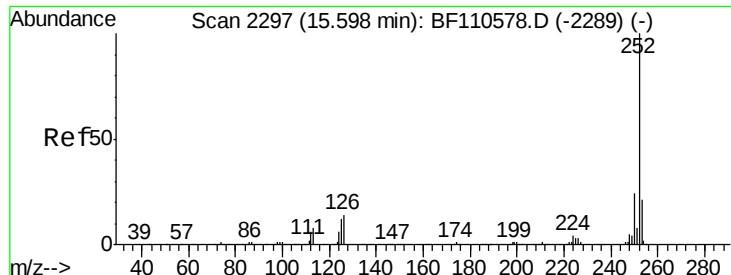
Tot Ion	Ratio	Lower	Upper
252	100		
253	26.2	17.2	25.8#
125	11.7	8.2	12.4



#89
Benzo(k)fluoranthene
Concen: 3.316 ng
RT: 15.20 min Scan# 2230
Delta R.T. -0.04 min
Lab File: BF110815.D
Acq: 16 Nov 2018 14:33

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.2	17.2	25.8#
125	11.7	7.4	11.0#





#90

Benzo(a)pyrene

Concen: 2.079 ng

RT: 15.59 min Scan# 2296

Delta R.T. -0.01 min

Lab File: BF110815.D

Acq: 16 Nov 2018 14:33

Instrument :

BNA_F

ClientSampleId :

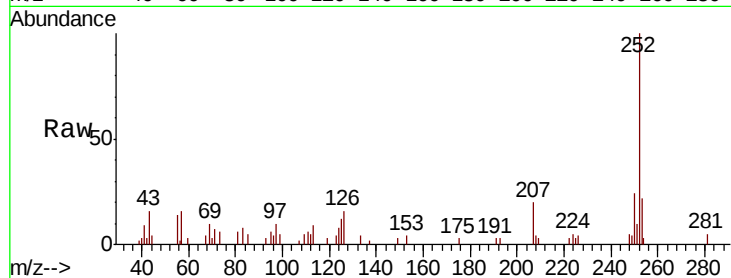
Tot Ion:252 Resp: 16345

Ion Ratio Lower Upper

252 100

253 22.3 18.2 27.4

125 12.1 9.0 13.6



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

