

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112118\
 Data File : BF110923.D
 Acq On : 21 Nov 2018 12:53
 Operator : JU/SJ
 Sample : J6006-03
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 21 14:30:14 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	73721	20.00	ng	0.00
21) Naphthalene-d8	8.22	136	305128	20.00	ng	0.00
39) Acenaphthene-d10	9.98	164	146766	20.00	ng	-0.01
64) Phenanthrene-d10	11.48	188	270222	20.00	ng	0.00
76) Chrysene-d12	14.13	240	171462	20.00	ng	0.00
87) Perylene-d12	15.67	264	147139	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.57	112	615571	135.63	ng	0.00
7) Phenol-d6	6.57	99	775628	133.64	ng	0.00
23) Nitrobenzene-d5	7.51	82	509230	96.11	ng	0.00
42) 2,4,6-Tribromophenol	10.78	330	201716	136.40	ng	0.00
45) 2-Fluorobiphenyl	9.30	172	932782	90.77	ng	0.00
79) Terphenyl-d14	13.08	244	749197	81.83	ng	0.01

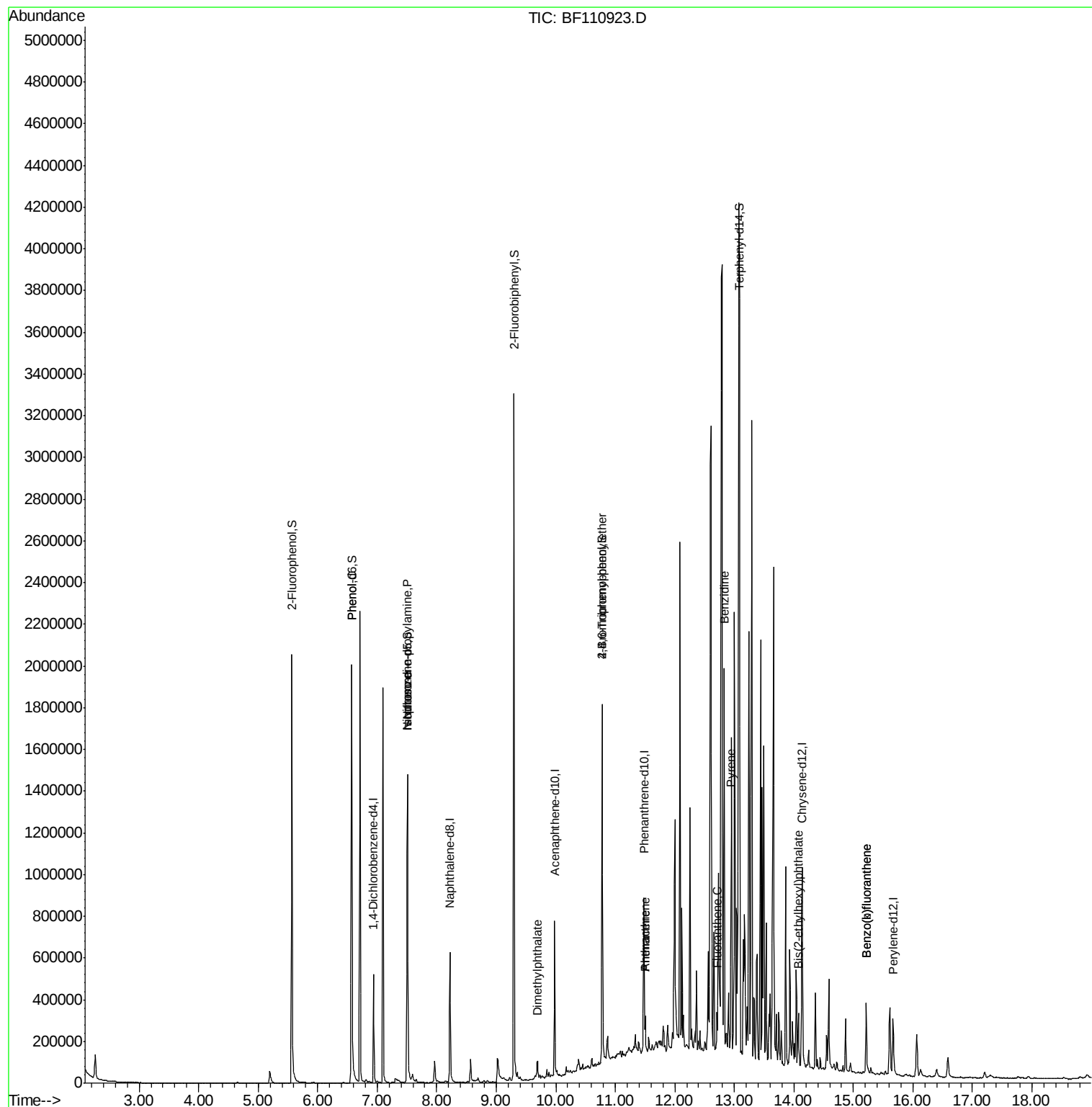
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.57	77	1395	Below Cal		# 1
10) Phenol	6.58	94	14219	2.113	ng	# 74
19) n-Nitroso-di-n-propylamine	7.51	70	67099	18.112	ng	# 79
25) Isophorone	7.51	82	509227	58.640	ng	# 67
50) Dimethylphthalate	9.69	163	37407	3.416	ng	# 99
67) 4-Bromophenyl-phenylether	10.78	248	12775	4.278	ng	# 1
71) Phenanthrene	11.50	178	54074	3.735	ng	# 98
72) Anthracene	11.50	178	54074	3.703	ng	# 98
75) Fluoranthene	12.71	202	62939	4.336	ng	# 97
77) Benzidine	12.83	184	52532	11.141	ng	# 83
78) Pyrene	12.94	202	44848	3.397	ng	# 98
84) Bis(2-ethylhexyl)phthalate	14.07	149	38073	5.401	ng	# 95
88) Benzo(b)fluoranthene	15.22	252	25173	2.860	ng	# 80
89) Benzo(k)fluoranthene	15.22	252	25173	2.894	ng	# 80

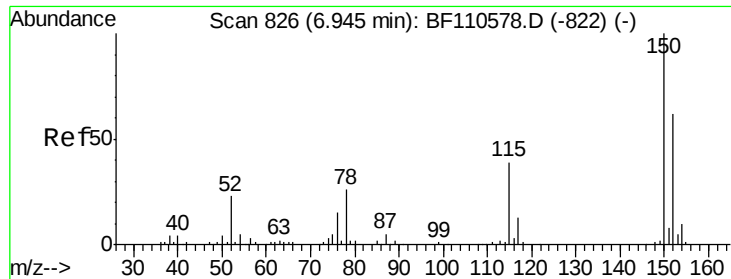
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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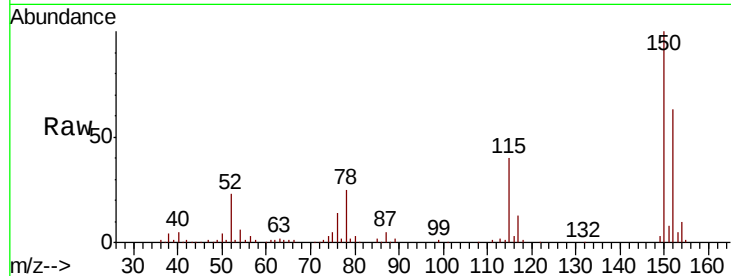




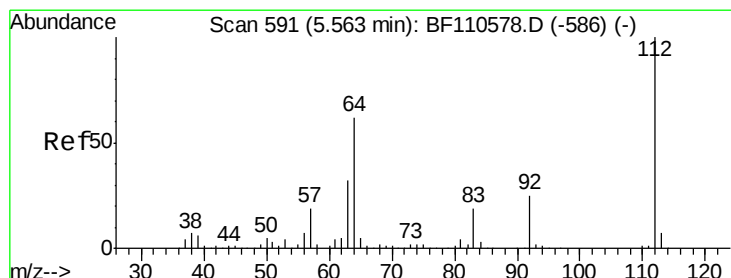
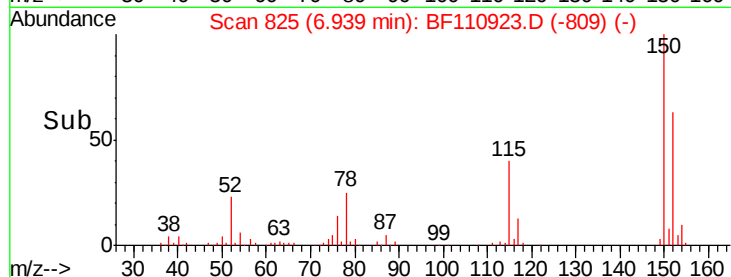
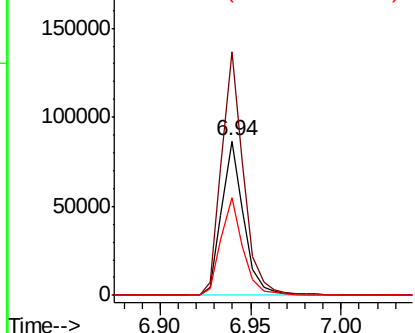
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.94 min Scan# 825
 Delta R.T. -0.01 min
 Lab File: BF110923.D
 Acq: 21 Nov 2018 12:53

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 73721
 Ion Ratio Lower Upper
 152 100
 150 157.6 122.7 184.1
 115 62.8 49.1 73.7

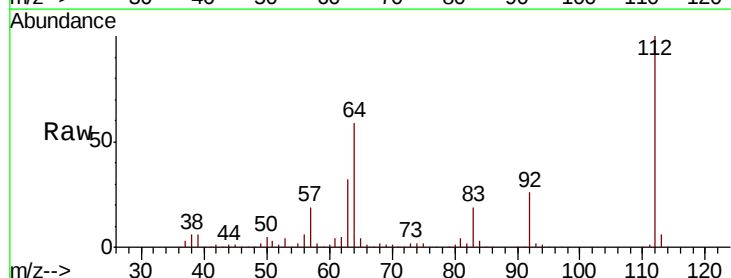


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

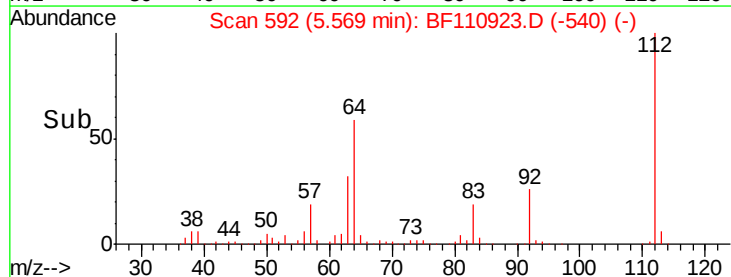
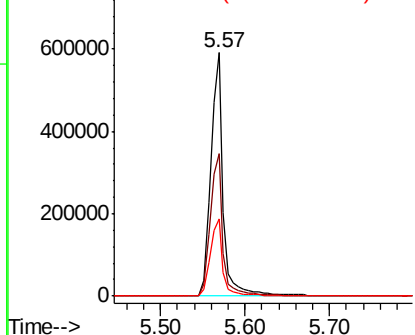


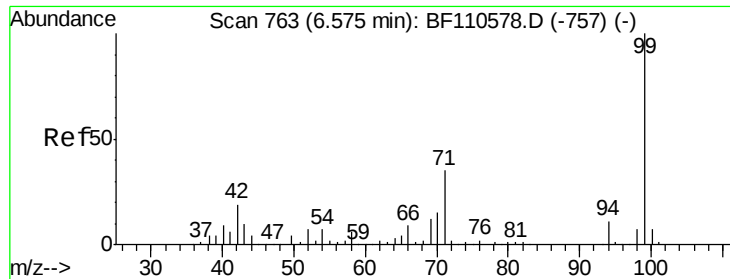
#5
 2-Fluorophenol
 Concen: 135.630 ng
 RT: 5.57 min Scan# 592
 Delta R.T. 0.01 min
 Lab File: BF110923.D
 Acq: 21 Nov 2018 12:53

Tgt Ion:112 Resp: 615571
 Ion Ratio Lower Upper
 112 100
 64 58.5 44.1 66.1
 63 31.8 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: 133.642 ng

RT: 6.57 min Scan# 763

Delta R.T. 0.00 min

Lab File: BF110923.D

Acq: 21 Nov 2018 12:53

Instrument :

BNA_F

ClientSampled :

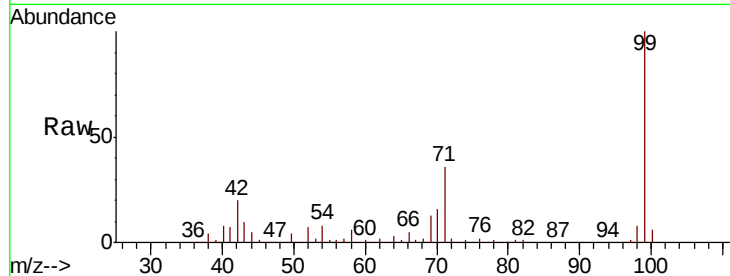
Tot Ion: 99 Resp: 775628

Ion Ratio Lower Upper

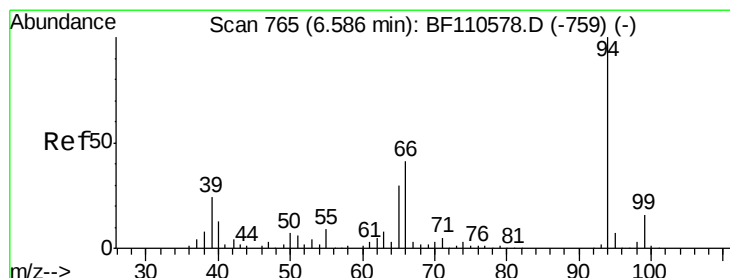
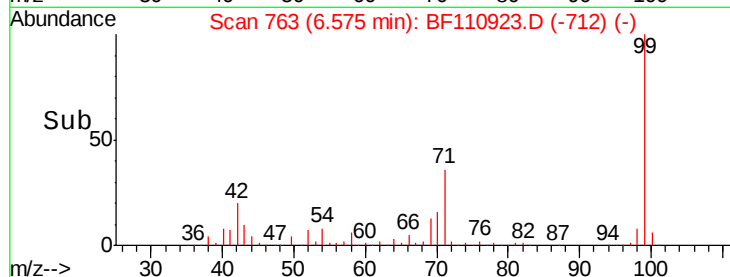
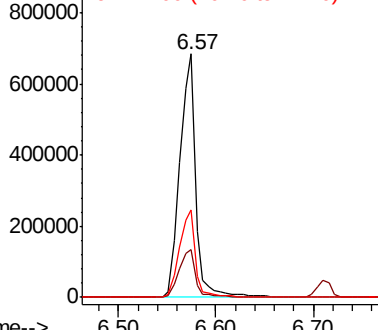
99 100

42 19.6 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



#10

Phenol

Concen: 2.113 ng

RT: 6.58 min Scan# 764

Delta R.T. -0.01 min

Lab File: BF110923.D

Acq: 21 Nov 2018 12:53

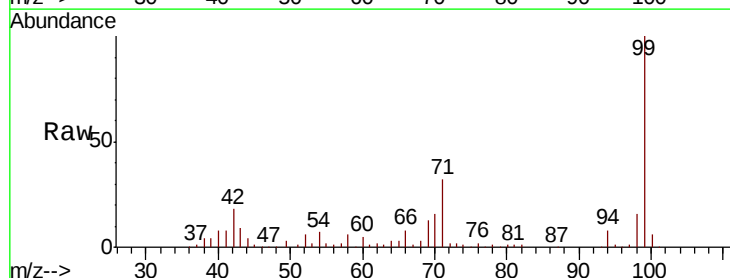
Tgt Ion: 94 Resp: 14219

Ion Ratio Lower Upper

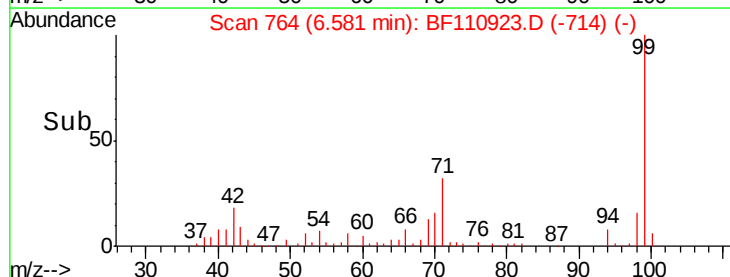
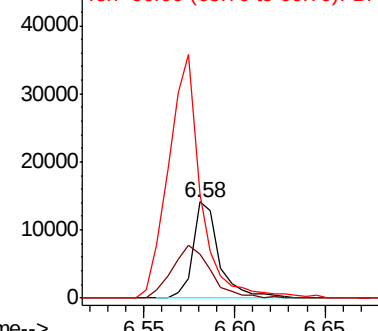
94 100

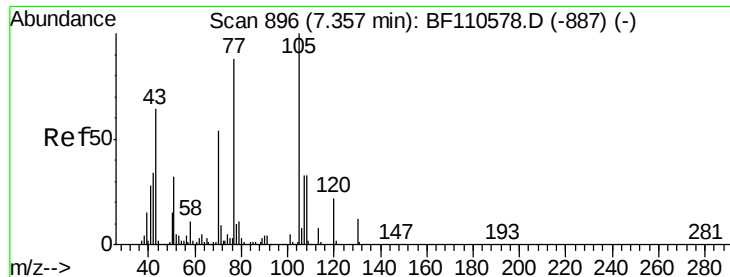
65 46.2 25.3 65.3

66 108.9 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

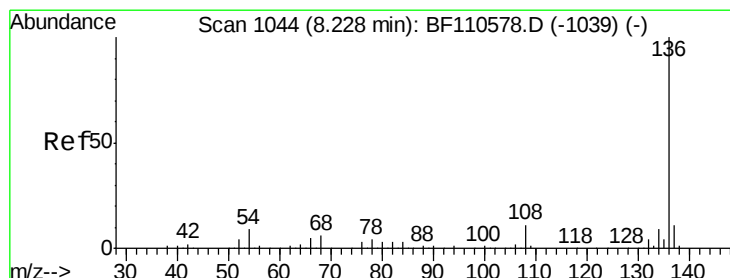
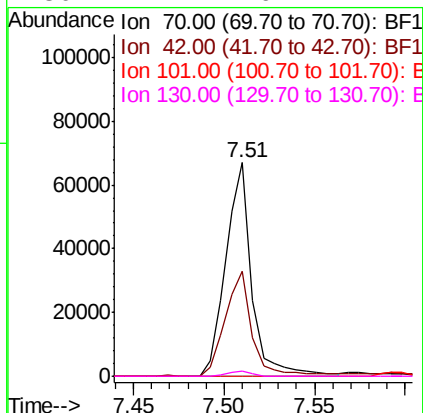
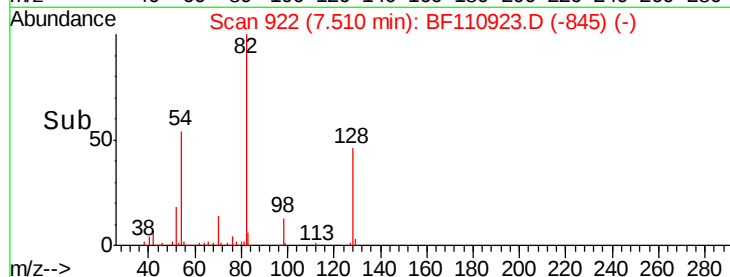
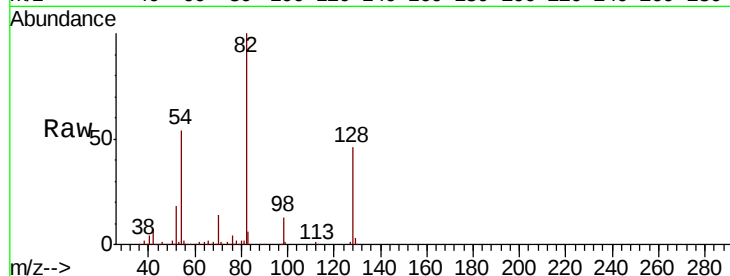




#19
n-Nitroso-di-n-propylamine
Concen: 18.112 ng
RT: 7.51 min Scan# 922
Delta R.T. 0.15 min
Lab File: BF110923.D
Acq: 21 Nov 2018 12:53

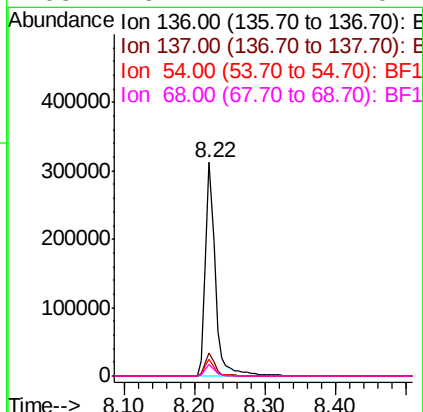
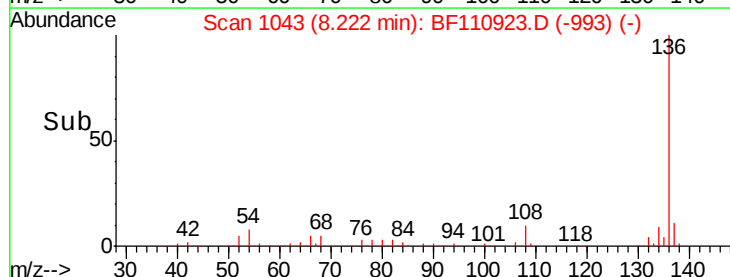
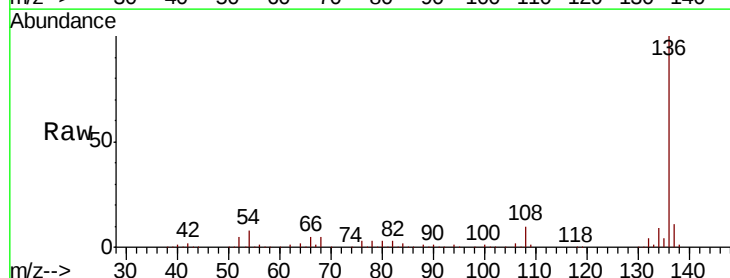
Instrument :
BNA_F
ClientSampled :

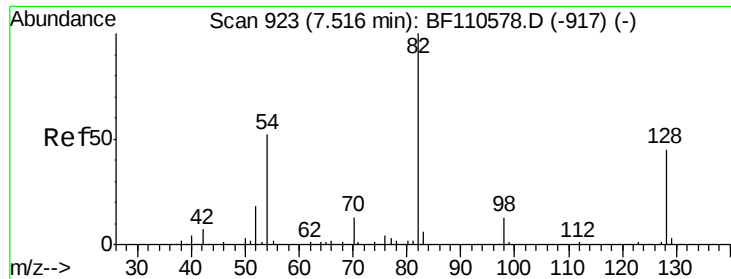
Tot Ion: 70 Resp: 67099
Ion Ratio Lower Upper
70 100
42 49.1 47.4 71.2
101 0.0 7.3 10.9#
130 2.2 16.2 24.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.22 min Scan# 1043
Delta R.T. -0.01 min
Lab File: BF110923.D
Acq: 21 Nov 2018 12:53

Tgt Ion: 136 Resp: 305128
Ion Ratio Lower Upper
136 100
137 10.6 8.8 13.2
54 7.8 5.4 8.2
68 5.1 4.2 6.2

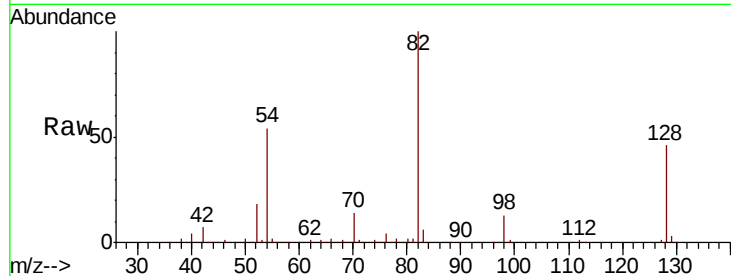




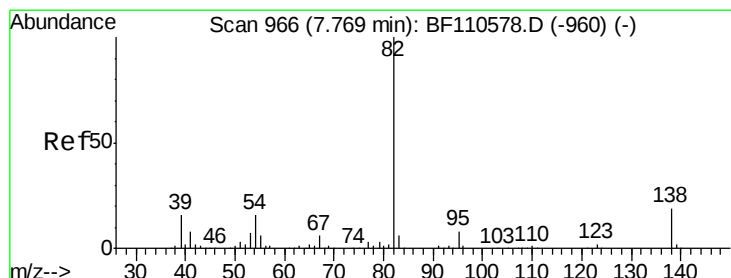
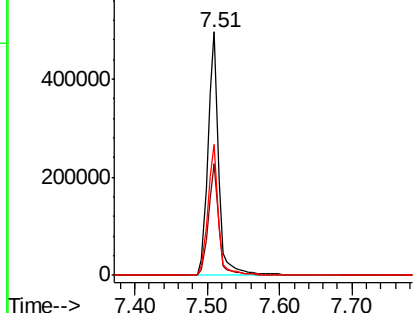
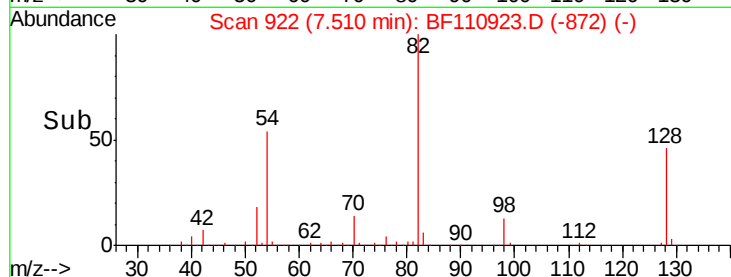
#23
 Nitrobenzene-d5
 Concen: 96.112 ng
 RT: 7.51 min Scan# 922
 Delta R.T. -0.01 min
 Lab File: BF110923.D
 Acq: 21 Nov 2018 12:53

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	82	Resp	509230
Ion Ratio	Lower	Upper	
82	100		
128	45.7	34.2	51.2
54	54.0	38.6	58.0

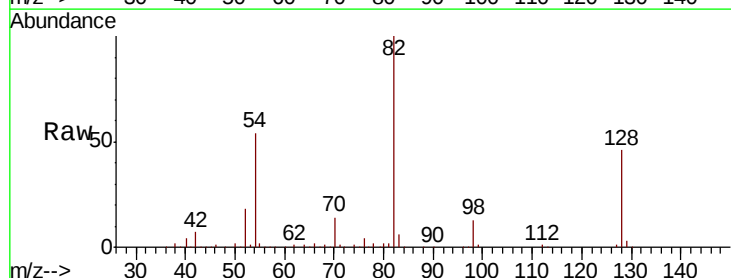


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

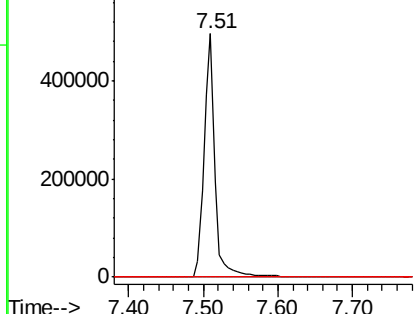
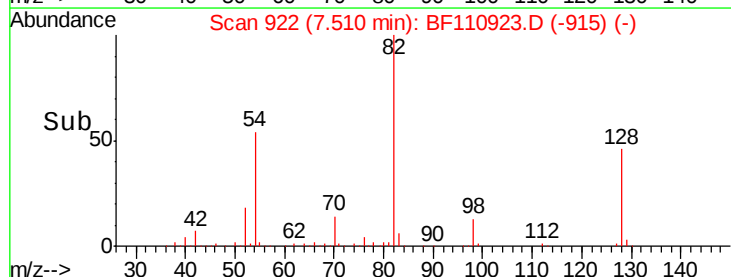


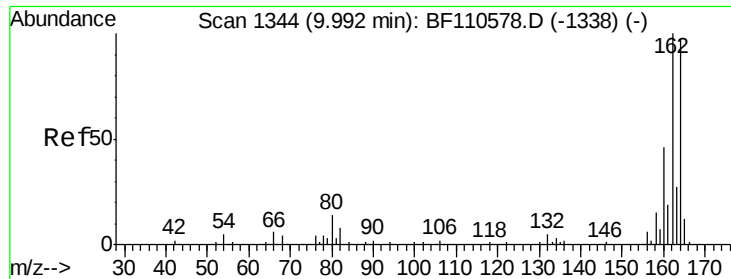
#25
 Isophorone
 Concen: 58.640 ng
 RT: 7.51 min Scan# 922
 Delta R.T. -0.26 min
 Lab File: BF110923.D
 Acq: 21 Nov 2018 12:53

Tgt Ion	82	Resp	509227
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: BF110923.D

Acq: 21 Nov 2018 12:53

Instrument :

BNA_F

ClientSampleId :

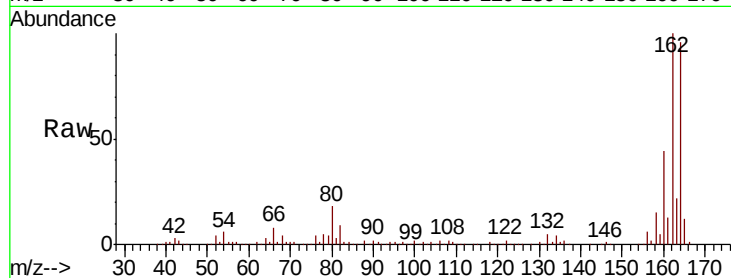
Tot Ion:164 Resp: 146766

Ion Ratio Lower Upper

164 100

162 104.2 83.0 124.6

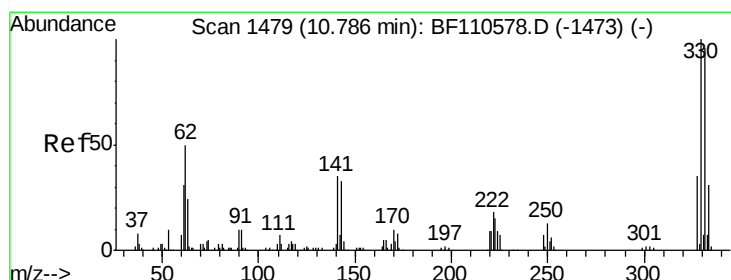
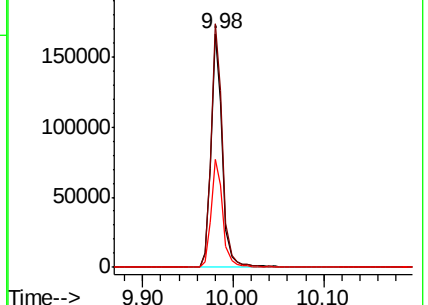
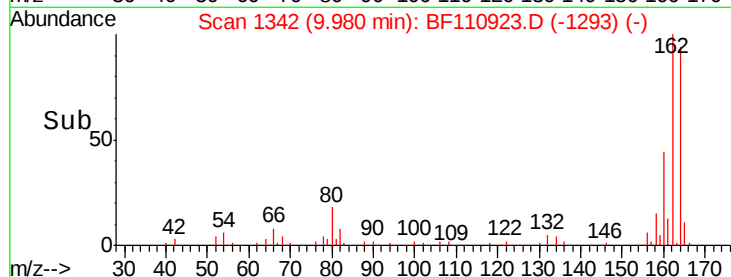
160 46.3 37.0 55.6



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42

2,4,6-Tribromophenol

Concen: 136.401 ng

RT: 10.78 min Scan# 1478

Delta R.T. -0.01 min

Lab File: BF110923.D

Acq: 21 Nov 2018 12:53

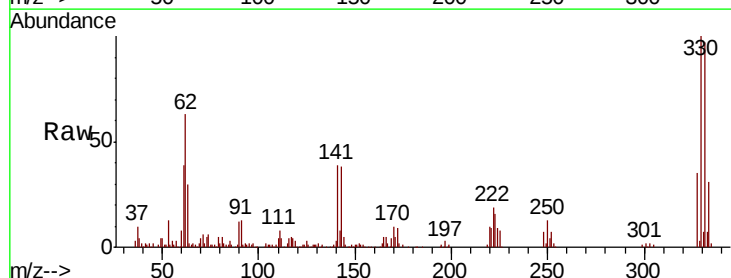
Tgt Ion:330 Resp: 201716

Ion Ratio Lower Upper

330 100

332 95.2 77.1 115.7

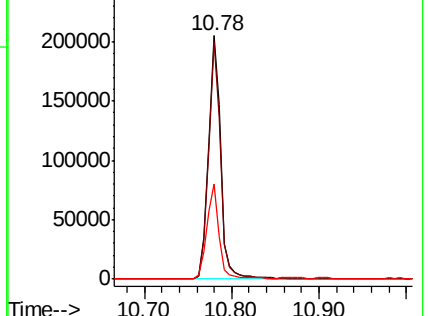
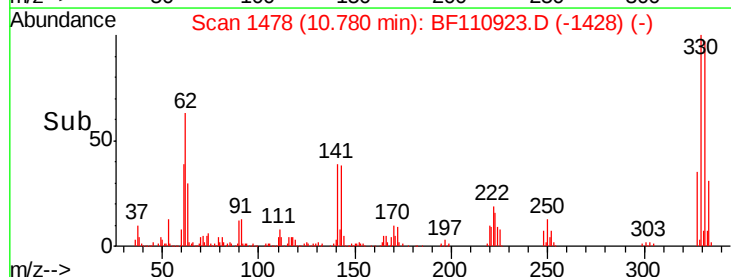
141 38.1 27.0 40.4

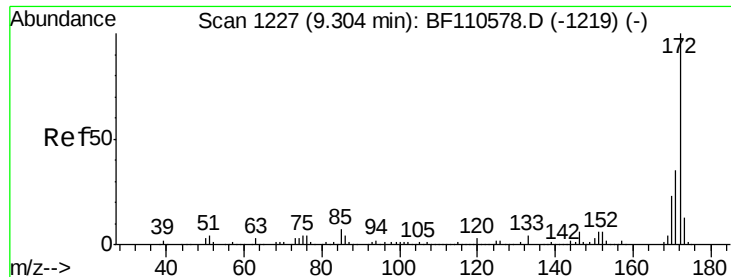


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

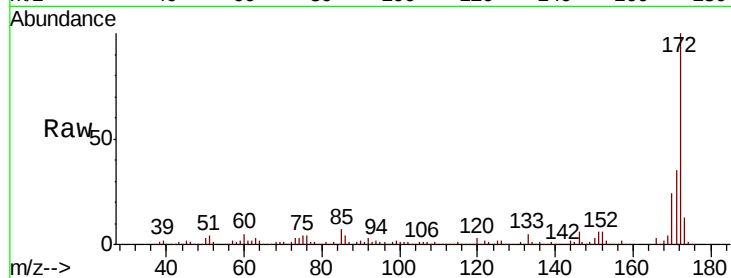




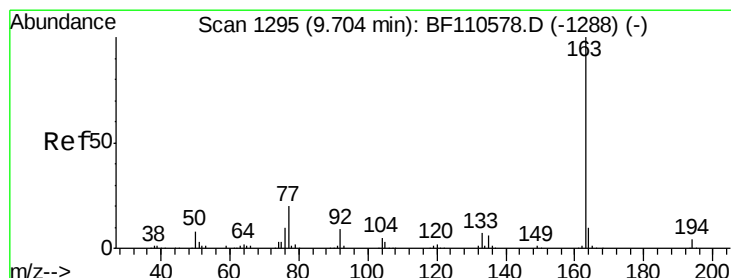
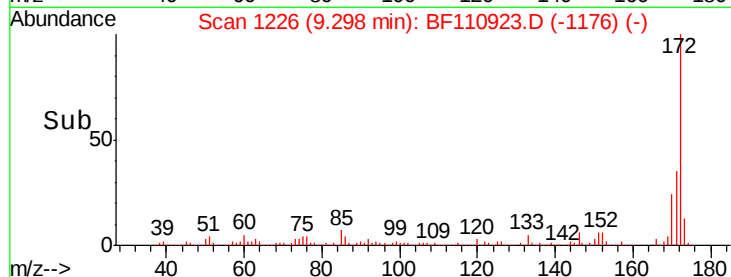
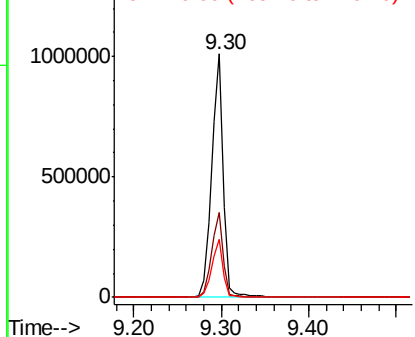
#45
2-Fluorobiphenyl
Concen: 90.769 ng
RT: 9.30 min Scan# 1226
Delta R.T. -0.01 min
Lab File: BF110923.D
Acq: 21 Nov 2018 12:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 932782
Ion Ratio Lower Upper
172 100
171 35.1 28.6 43.0
170 23.8 19.7 29.5

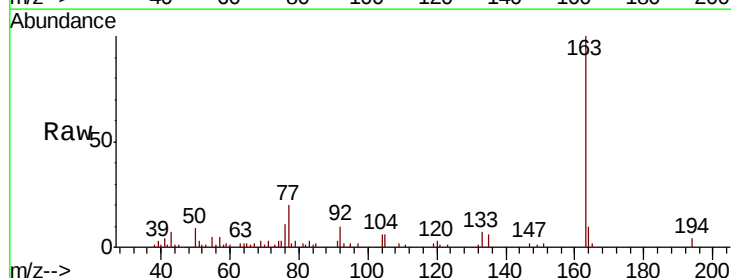


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

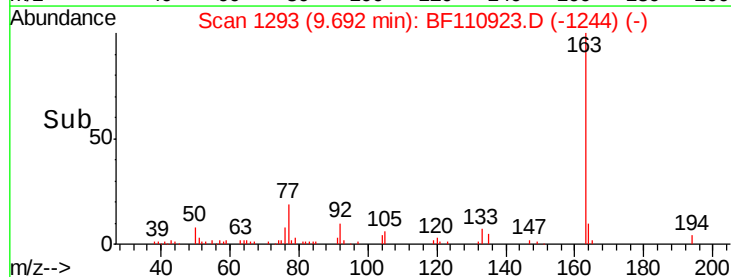
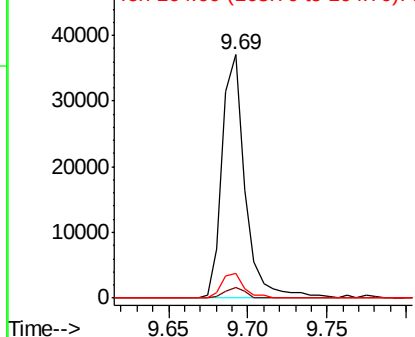


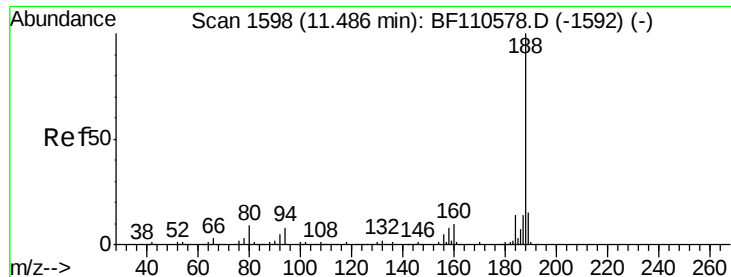
#50
Dimethylphthalate
Concen: 3.416 ng
RT: 9.69 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BF110923.D
Acq: 21 Nov 2018 12:53

Tgt Ion:163 Resp: 37407
Ion Ratio Lower Upper
163 100
194 4.4 3.2 4.8
164 9.9 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

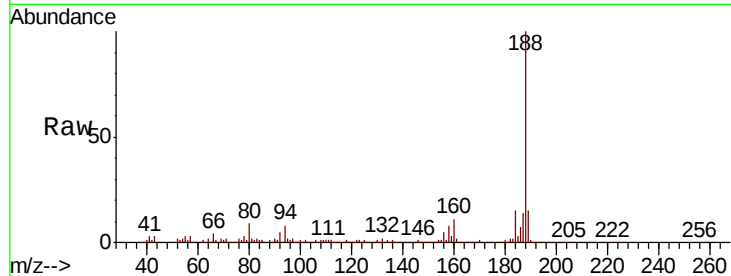




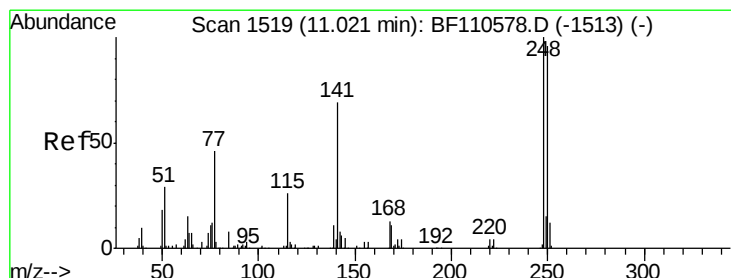
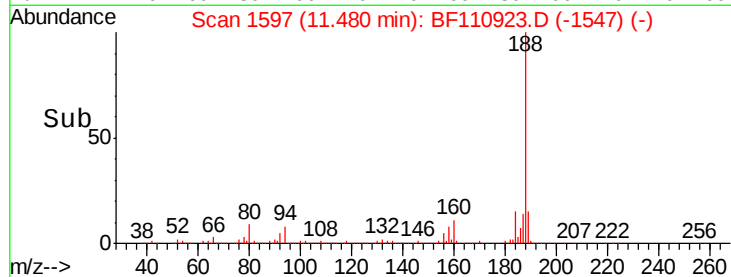
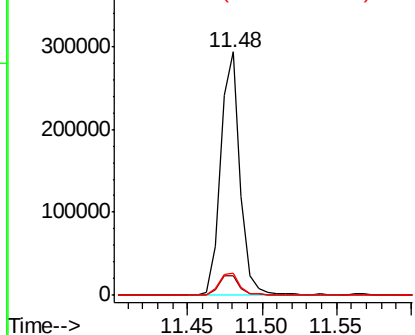
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.48 min Scan# 1597
 Delta R.T. -0.01 min
 Lab File: BF110923.D
 Acq: 21 Nov 2018 12:53

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:188 Resp: 270222
 Ion Ratio Lower Upper
 188 100
 94 8.1 7.2 10.8
 80 8.9 7.9 11.9

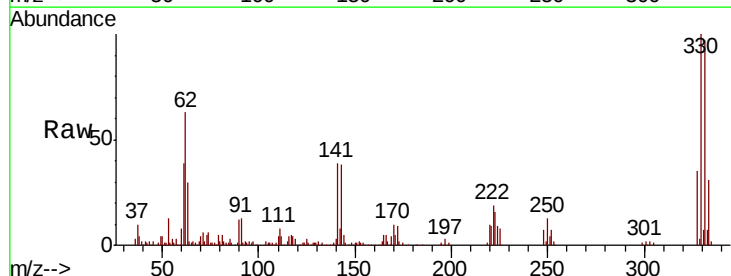


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

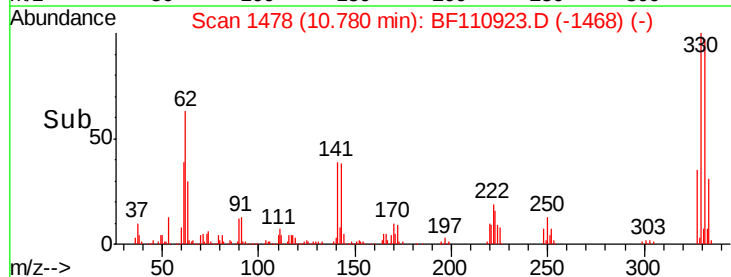
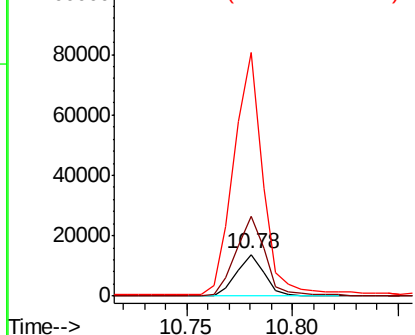


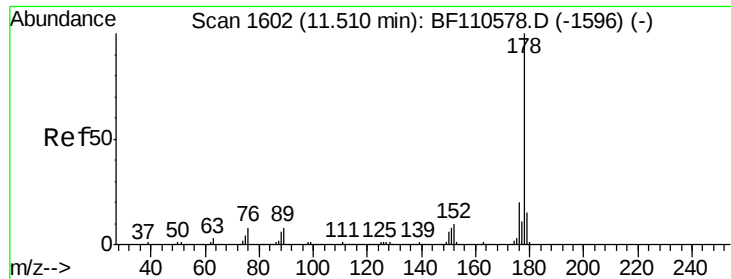
#67
 4-Bromophenyl-phenylether
 Concen: 4.278 ng
 RT: 10.78 min Scan# 1478
 Delta R.T. -0.24 min
 Lab File: BF110923.D
 Acq: 21 Nov 2018 12:53

Tgt Ion:248 Resp: 12775
 Ion Ratio Lower Upper
 248 100
 250 191.5 79.4 119.2#
 141 587.8 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

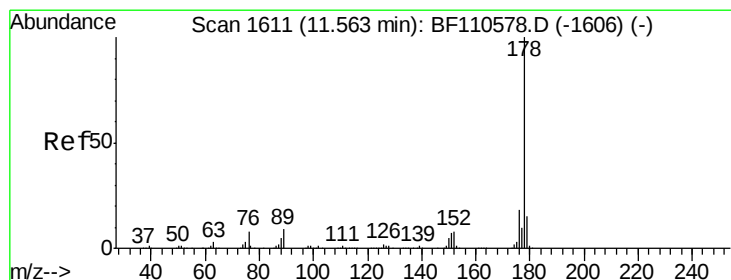
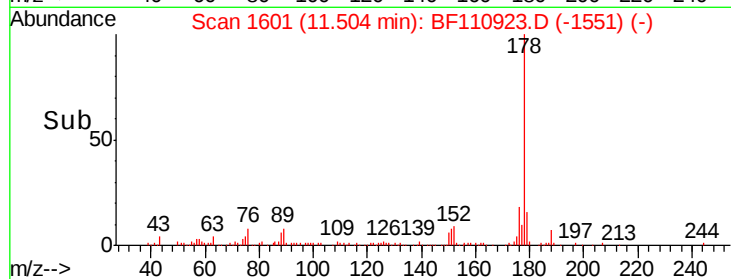
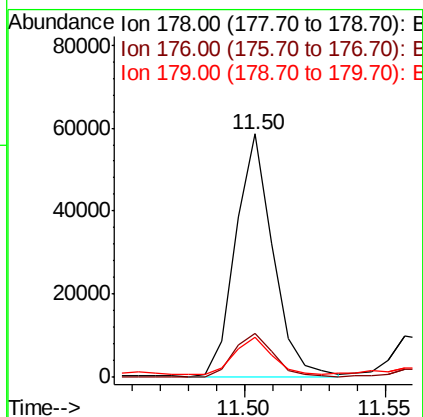
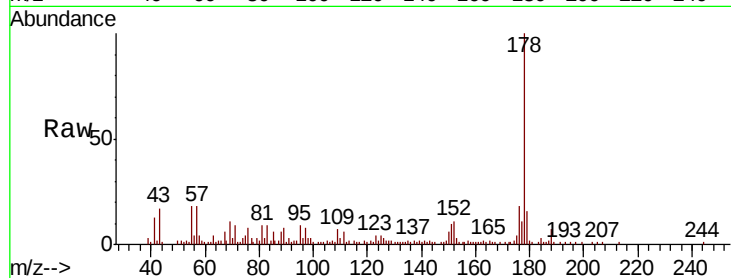




#71
Phenanthrene
Concen: 3.735 ng
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: BF110923.D
Acq: 21 Nov 2018 12:53

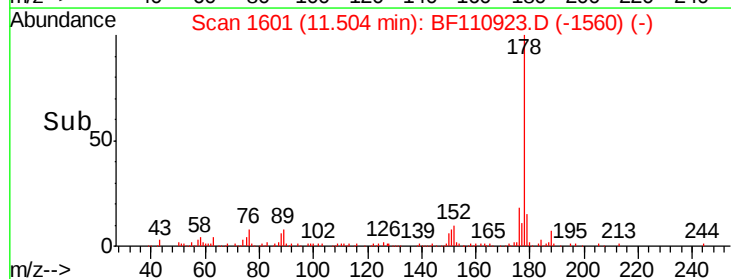
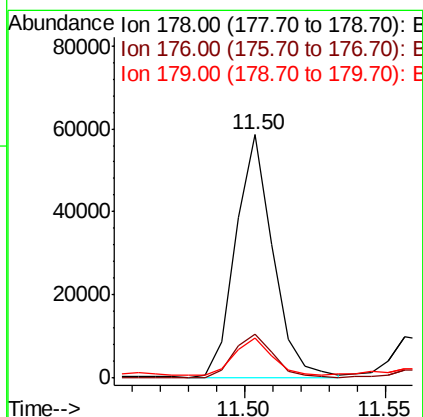
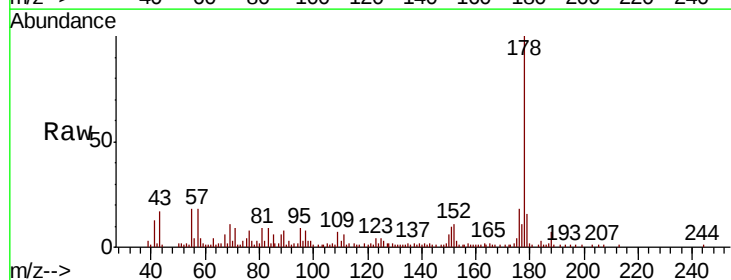
Instrument :
BNA_F
ClientSampleId :

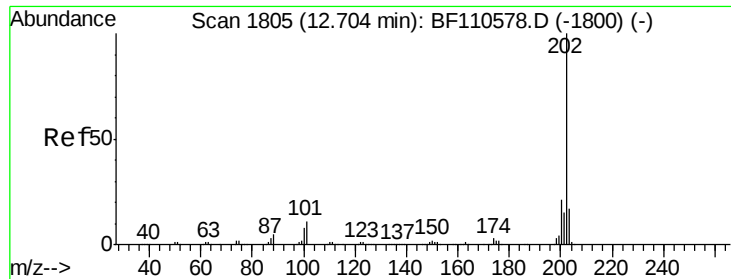
Tot Ion:178 Resp: 54074
Ion Ratio Lower Upper
178 100
176 18.2 15.5 23.3
179 16.2 12.5 18.7



#72
Anthracene
Concen: 3.703 ng
RT: 11.50 min Scan# 1601
Delta R.T. -0.06 min
Lab File: BF110923.D
Acq: 21 Nov 2018 12:53

Tgt Ion:178 Resp: 54074
Ion Ratio Lower Upper
178 100
176 18.2 15.4 23.2
179 16.2 12.6 18.8





#75

Fluoranthene

Concen: 4.336 ng

RT: 12.71 min Scan# 1806

Delta R.T. 0.01 min

Lab File: BF110923.D

Acq: 21 Nov 2018 12:53

Instrument :

BNA_F

ClientSampled :

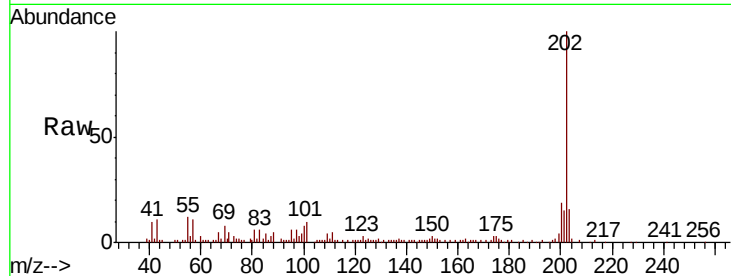
Tot Ion:202 Resp: 62939

Ion Ratio Lower Upper

202 100

101 10.3 0.0 31.4

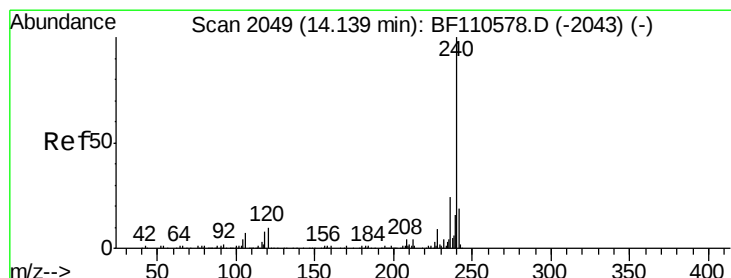
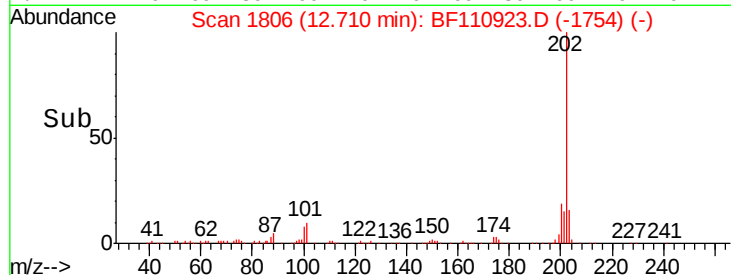
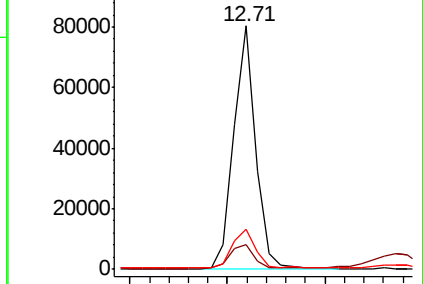
203 16.3 0.0 37.7



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# 2048

Delta R.T. -0.01 min

Lab File: BF110923.D

Acq: 21 Nov 2018 12:53

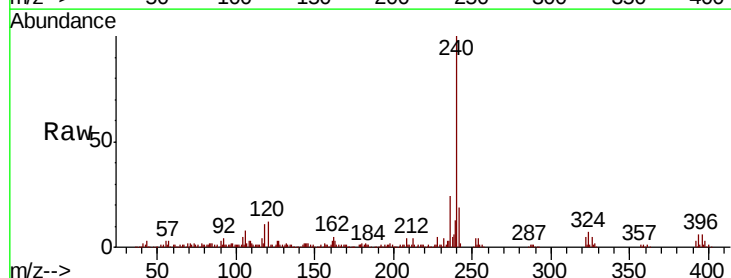
Tgt Ion:240 Resp: 171462

Ion Ratio Lower Upper

240 100

120 12.1 8.3 12.5

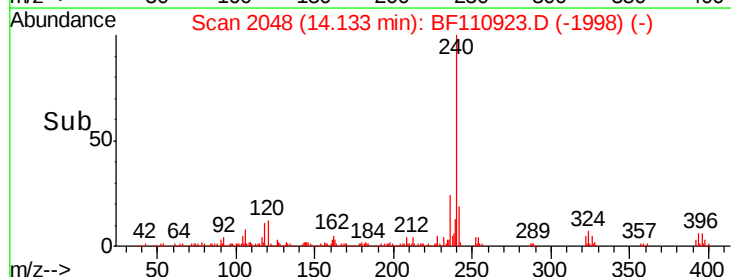
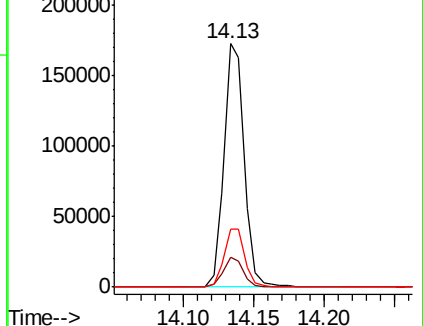
236 24.1 21.2 31.8

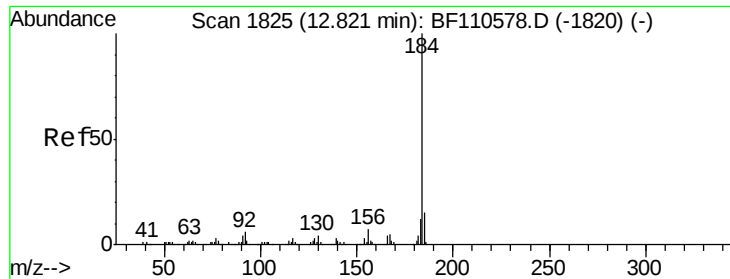


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 11.141 ng

RT: 12.83 min Scan# 1826

Delta R.T. 0.01 min

Lab File: BF110923.D

Acq: 21 Nov 2018 12:53

Instrument :

BNA_F

ClientSampleId :

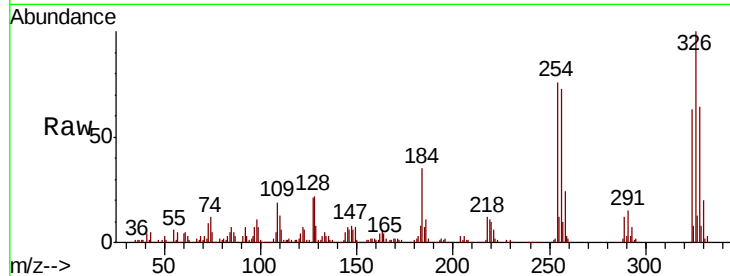
Tot Ion:184 Resp: 52532

Ion Ratio Lower Upper

184 100

185 20.9 13.4 20.2#

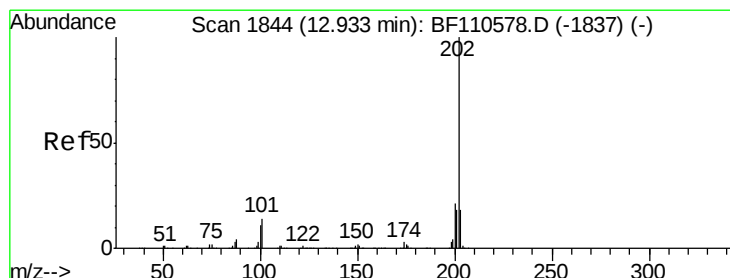
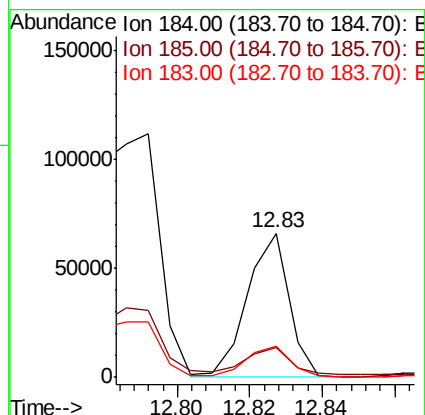
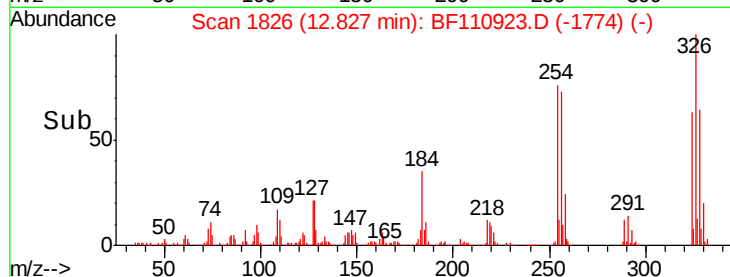
183 22.0 9.4 14.2#



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: 3.397 ng

RT: 12.94 min Scan# 1845

Delta R.T. 0.01 min

Lab File: BF110923.D

Acq: 21 Nov 2018 12:53

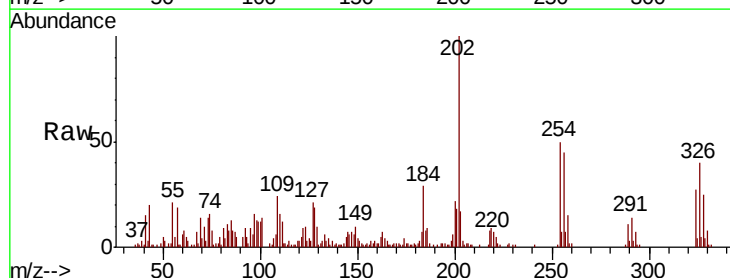
Tgt Ion:202 Resp: 44848

Ion Ratio Lower Upper

202 100

200 21.6 17.8 26.6

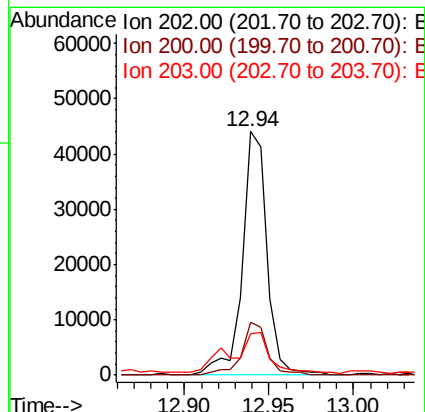
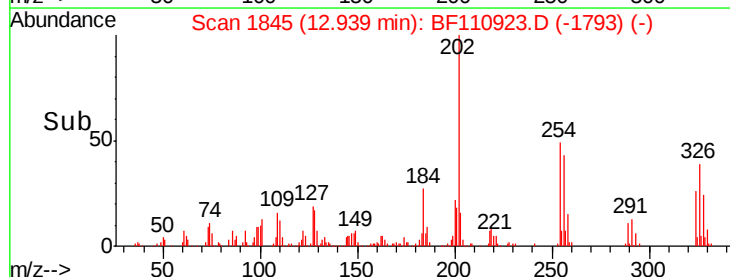
203 16.8 14.2 21.4

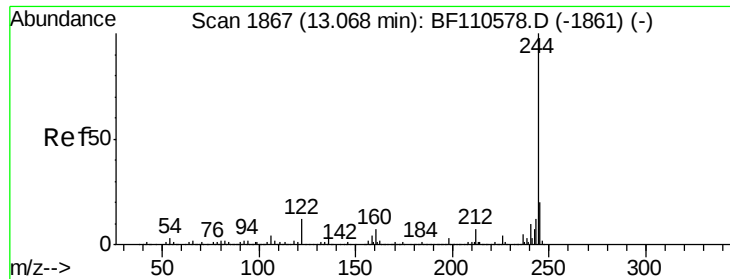


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 81.830 ng

RT: 13.08 min Scan# 1869

Delta R.T. 0.01 min

Lab File: BF110923.D

Acq: 21 Nov 2018 12:53

Instrument :

BNA_F

ClientSampleId :

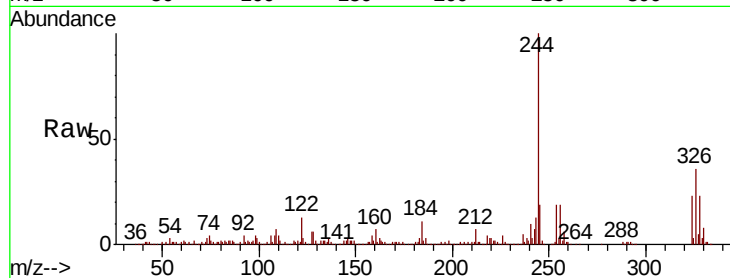
Tot Ion:244 Resp: 749197

Ion Ratio Lower Upper

244 100

212 6.9 5.8 8.8

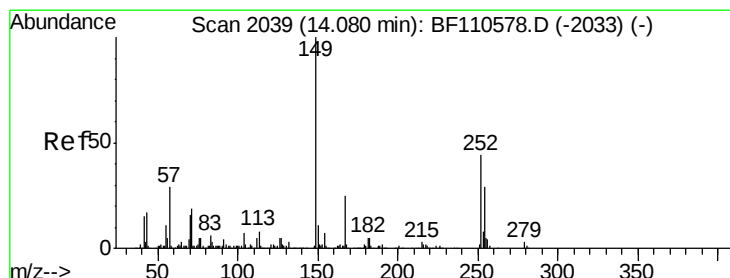
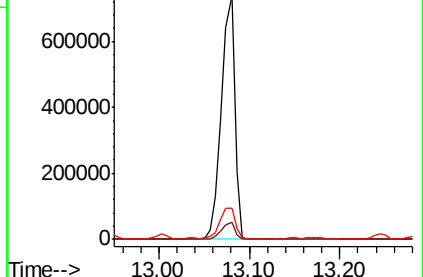
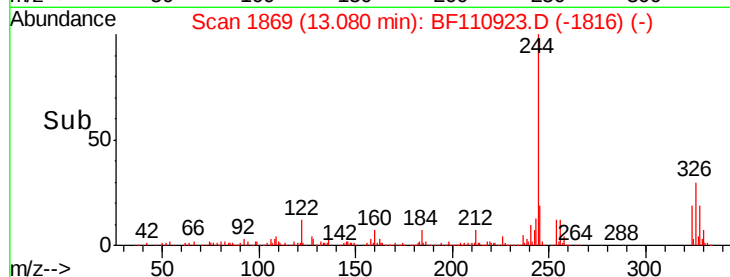
122 12.8 8.7 13.1



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



#84

Bis(2-ethylhexyl)phthalate

Concen: 5.401 ng

RT: 14.07 min Scan# 2038

Delta R.T. -0.01 min

Lab File: BF110923.D

Acq: 21 Nov 2018 12:53

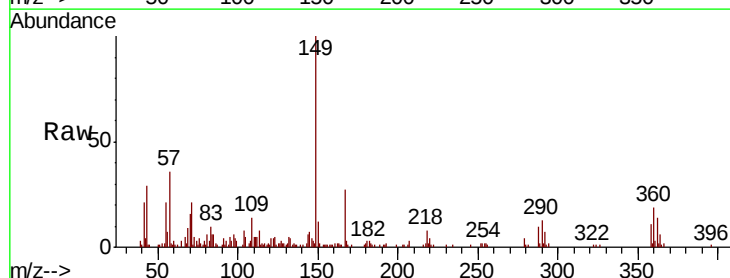
Tgt Ion:149 Resp: 38073

Ion Ratio Lower Upper

149 100

167 27.4 19.8 29.8

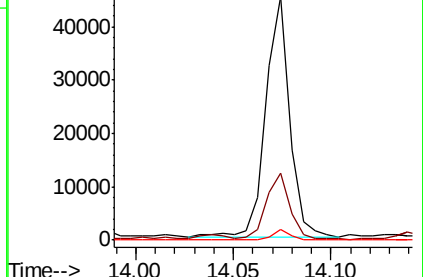
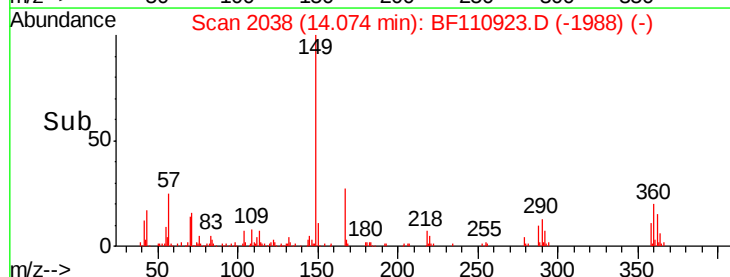
279 4.1 2.7 4.1#

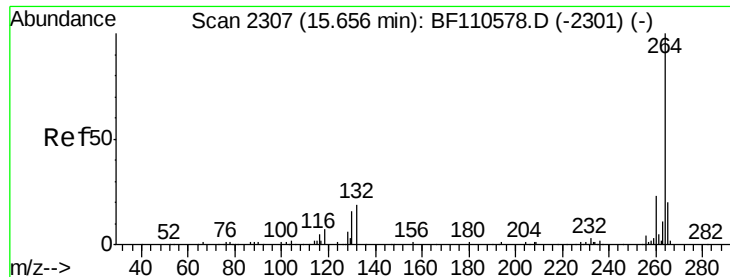


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

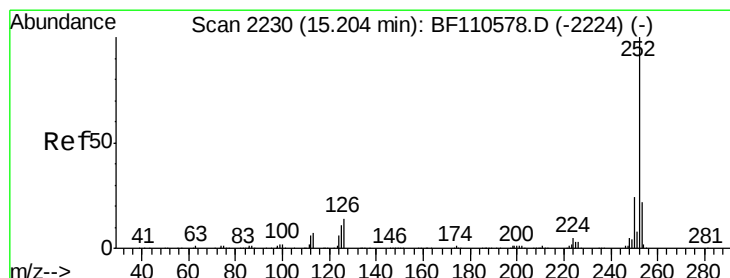
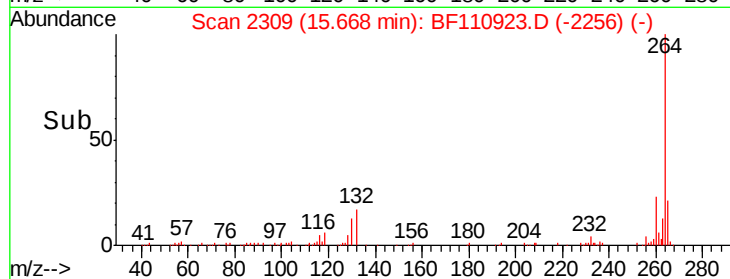
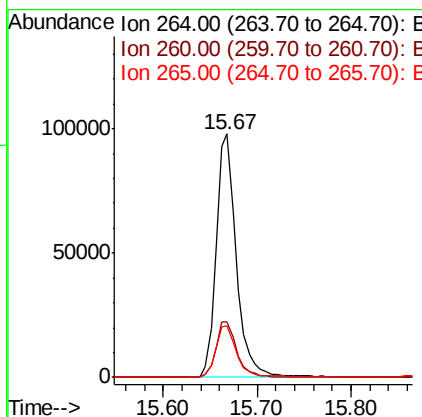
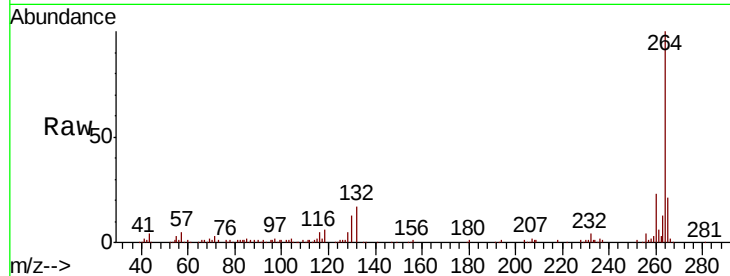




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.67 min Scan# 2309
Delta R.T. 0.01 min
Lab File: BF110923.D
Acq: 21 Nov 2018 12:53

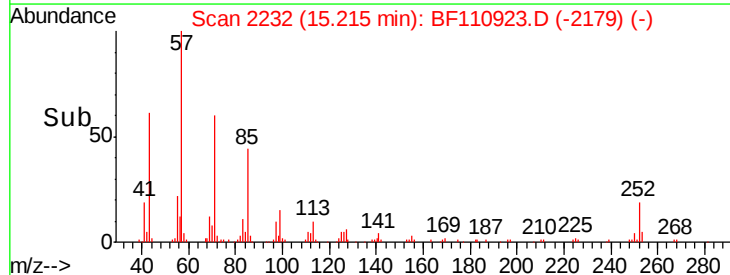
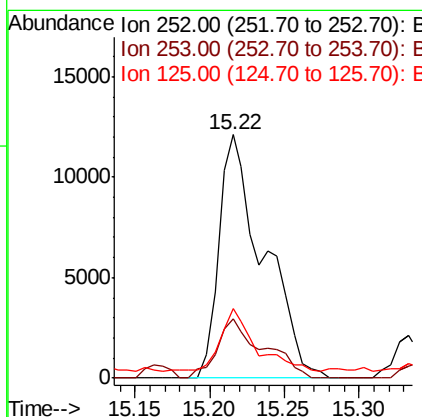
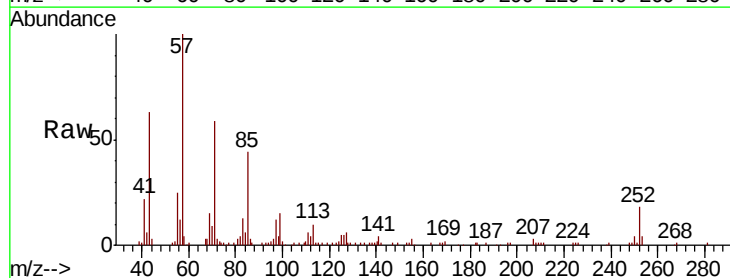
Instrument :
BNA_F
ClientSampled :

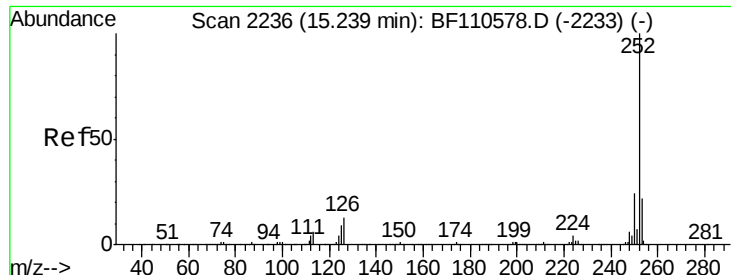
Tot Ion:264 Resp: 147139
Ion Ratio Lower Upper
264 100
260 22.7 18.7 28.1
265 21.0 16.7 25.1



#88
Benzo(b)fluoranthene
Concen: 2.860 ng
RT: 15.22 min Scan# 2232
Delta R.T. 0.01 min
Lab File: BF110923.D
Acq: 21 Nov 2018 12:53

Tgt Ion:252 Resp: 25173
Ion Ratio Lower Upper
252 100
253 24.1 17.2 25.8
125 28.7 8.2 12.4#





#89

Benzo(k)fluoranthene

Concen: 2.894 ng

RT: 15.22 min Scan# 2232

Delta R.T. -0.02 min

Lab File: BF110923.D

Acq: 21 Nov 2018 12:53

Instrument :

BNA_F

ClientSampleId :

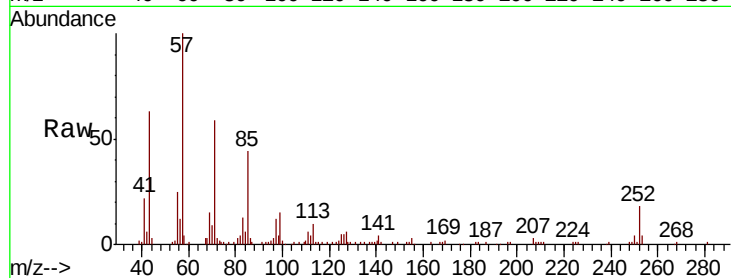
Tot Ion:252 Resp: 25173

Ion Ratio Lower Upper

252 100

253 24.1 17.2 25.8

125 28.7 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

