

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110618\
 Data File : BF110540.D
 Acq On : 7 Nov 2018 2:37
 Operator : JU/SJ
 Sample : J5765-01 5X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 07 08:47:54 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 01 16:06:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	69168	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	259770	20.00	ng	0.00
39) Acenaphthene-d10	10.00	164	100946	20.00	ng	0.00
64) Phenanthrene-d10	11.49	188	182794	20.00	ng	0.00
76) Chrysene-d12	14.14	240	120611	20.00	ng	0.00
87) Perylene-d12	15.67	264	95432	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	64612	15.21	ng	0.00
7) Phenol-d6	6.58	99	83441	15.36	ng	0.00
23) Nitrobenzene-d5	7.52	82	40368	9.22	ng	0.00
42) 2,4,6-Tribromophenol	10.80	330	13522	13.52	ng	0.00
45) 2-Fluorobiphenyl	9.31	172	81910	12.74	ng	0.00
79) Terphenyl-d14	13.07	244	71684	12.36	ng	0.00

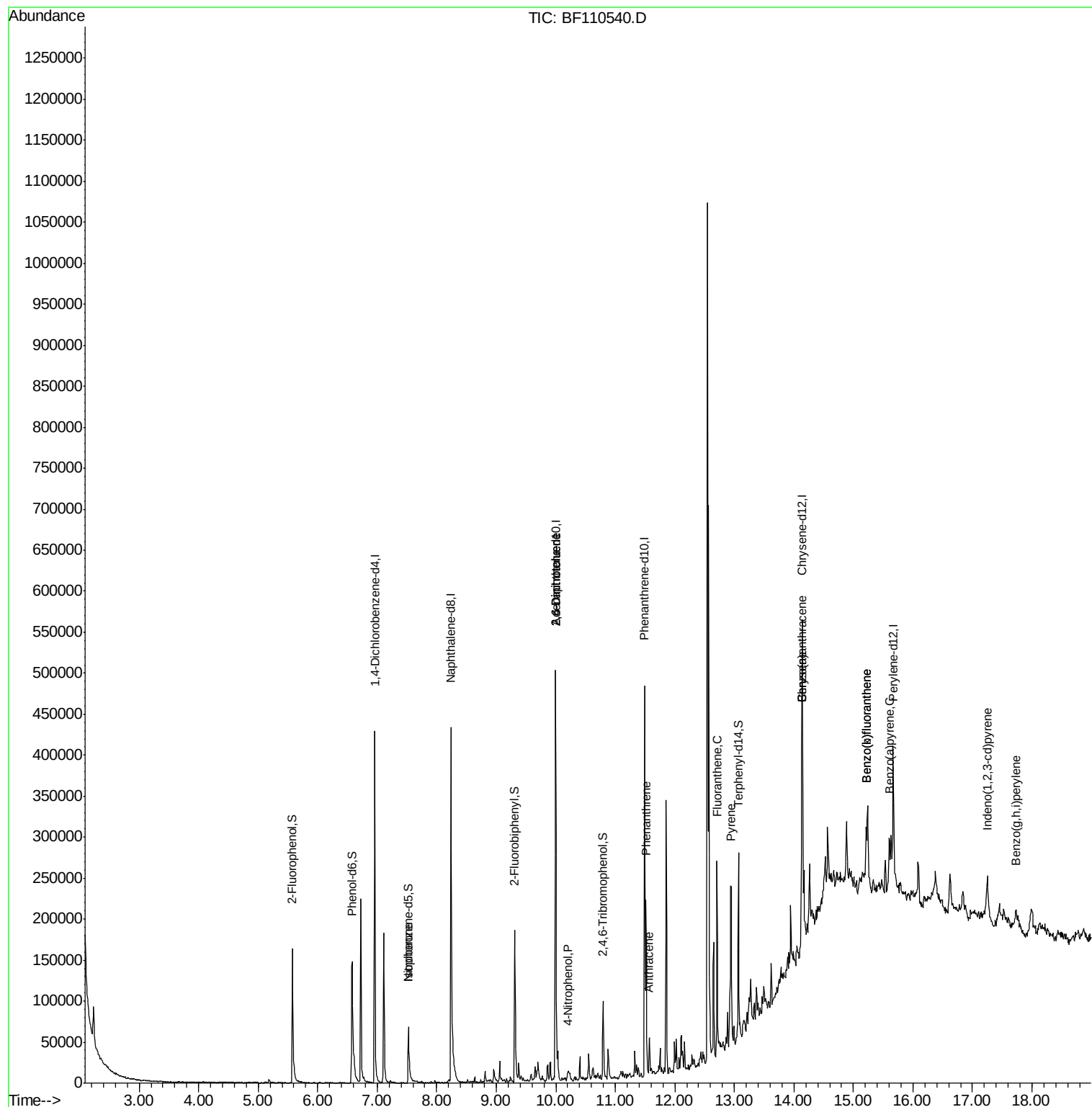
Target Compounds				Qvalue		
9) Benzaldehyde	6.73	77	1411	Below Cal	#	81
25) Isophorone	7.52	82	40368	5.41	ng	67
51) 2,6-Dinitrotoluene	10.00	165	13931	8.68	ng	23
56) 4-Nitrophenol	10.21	139	2989	2.12	ng	6
57) 2,4-Dinitrotoluene	10.00	165	13931	6.83	ng	19
71) Phenanthrene	11.52	178	75912	7.94	ng	100
72) Anthracene	11.57	178	24414	2.55	ng	95
75) Fluoranthene	12.71	202	92986	9.58	ng	99
77) Benzidine	12.79	184	108	Below Cal	#	65
78) Pyrene	12.94	202	87235	10.09	ng	97
81) Benzo(a)anthracene	14.13	228	35946	5.03	ng	96
83) Chrysene	14.13	228	35946	5.29	ng	94
86) Indeno(1,2,3-cd)pyrene	17.24	276	15413	2.73	ng	98
88) Benzo(b)fluoranthene	15.22	252	49501	8.98	ng	# 80
89) Benzo(k)fluoranthene	15.22	252	49501	9.14	ng	# 79
90) Benzo(a)pyrene	15.60	252	28067	5.53	ng	# 90
92) Benzo(a,h,i)perylene	17.73	276	19438	4.51	ng	# 86

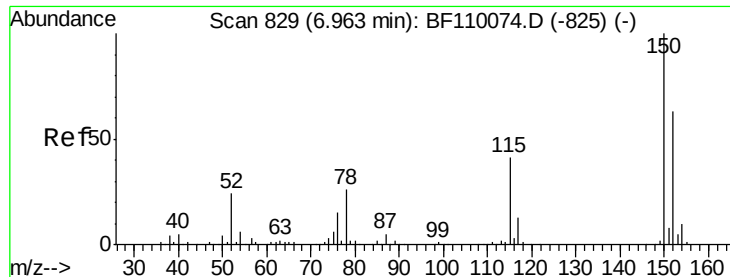
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110618\
Data File : BF110540.D
Acq On : 7 Nov 2018 2:37
Operator : JU/SJ
Sample : J5765-01 5X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Nov 07 08:47:54 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 01 16:06:12 2018
Response via : Initial Calibration



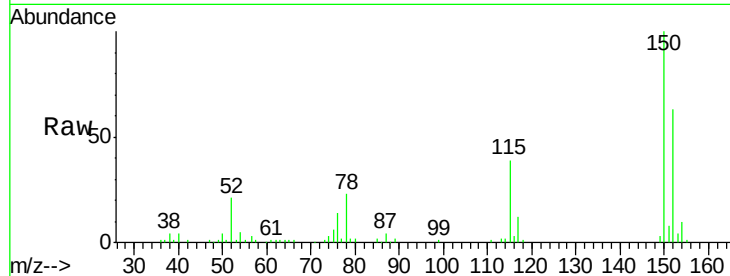


#1

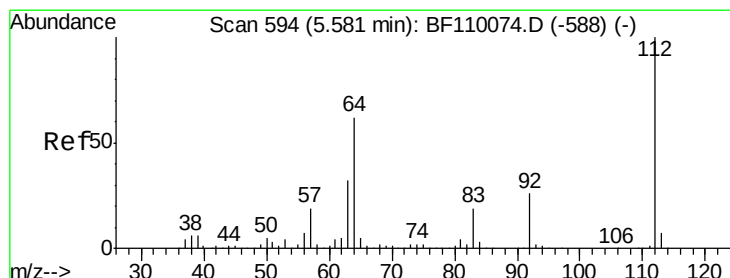
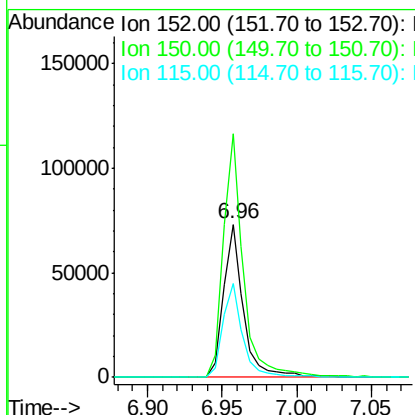
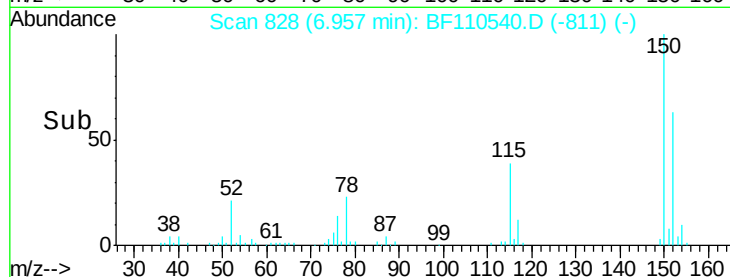
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.96 min Scan# 828
Delta R.T. 0.00 min
Lab File: BF110540.D
Acq: 7 Nov 2018 2:37

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 69168
Ion Ratio Lower Upper
152 100
150 159.2 122.7 184.1
115 61.5 49.1 73.7



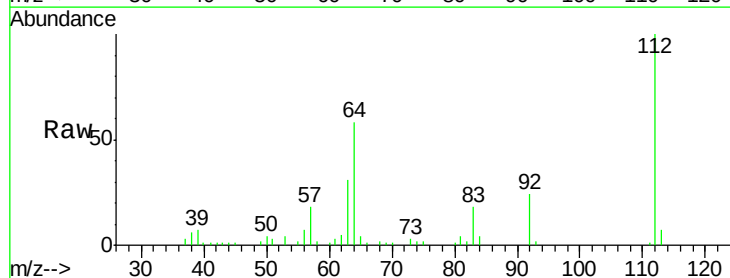
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



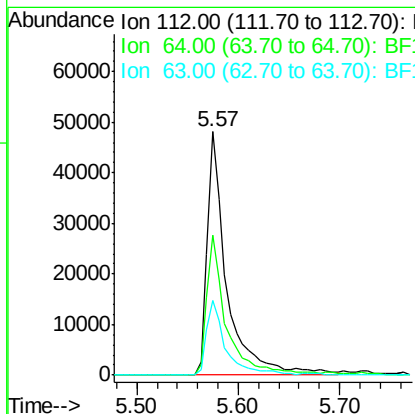
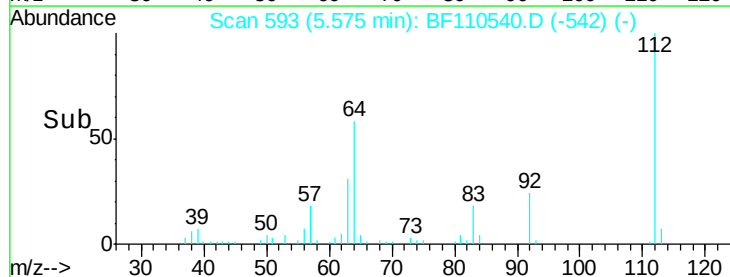
#5

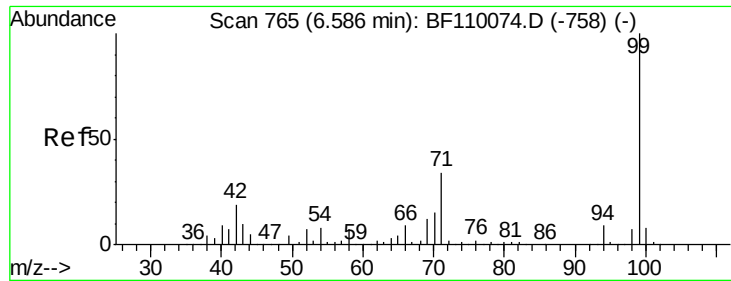
2-Fluorophenol
Concen: 15.21 ng
RT: 5.57 min Scan# 593
Delta R.T. 0.00 min
Lab File: BF110540.D
Acq: 7 Nov 2018 2:37

Tgt Ion:112 Resp: 64612
Ion Ratio Lower Upper
112 100
64 57.7 44.1 66.1
63 30.5 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: 15.36 ng

RT: 6.58 min Scan# 764

Delta R.T. 0.00 min

Lab File: BF110540.D

Acq: 7 Nov 2018 2:37

Instrument :

BNA_F

ClientSampleId :

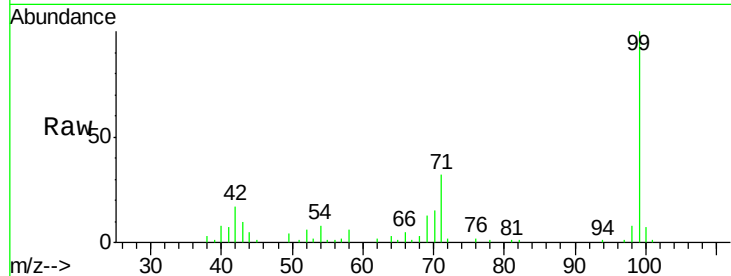
Tot Ion: 99 Resp: 83441

Ion Ratio Lower Upper

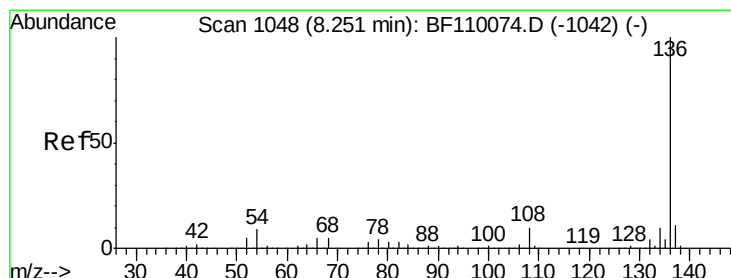
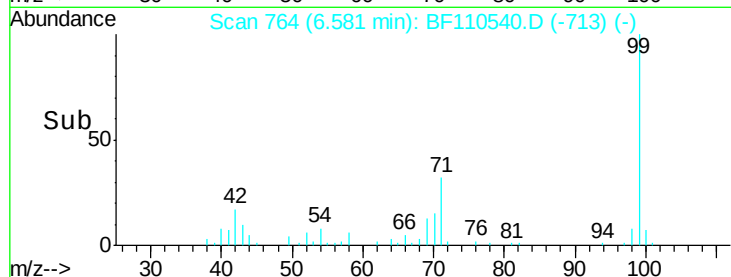
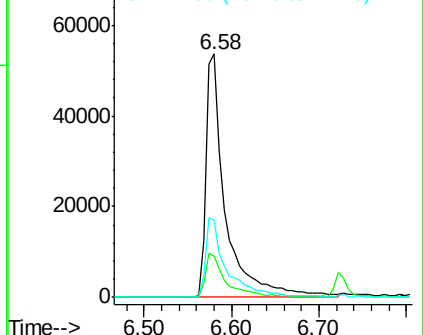
99 100

42 17.0 15.8 23.6

71 31.8 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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.24 min Scan# 1046

Delta R.T. 0.00 min

Lab File: BF110540.D

Acq: 7 Nov 2018 2:37

Tgt Ion: 136 Resp: 259770

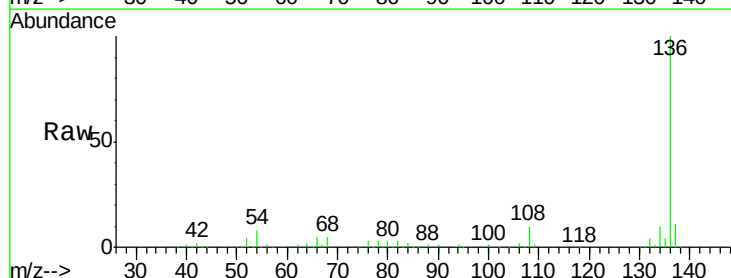
Ion Ratio Lower Upper

136 100

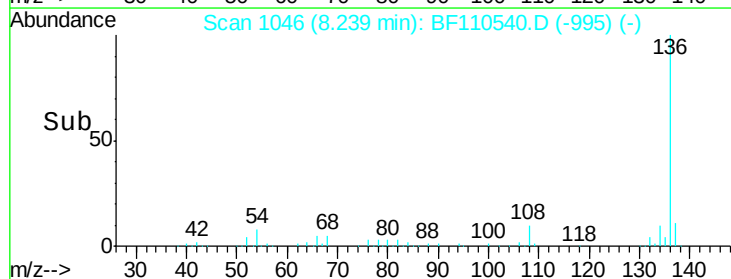
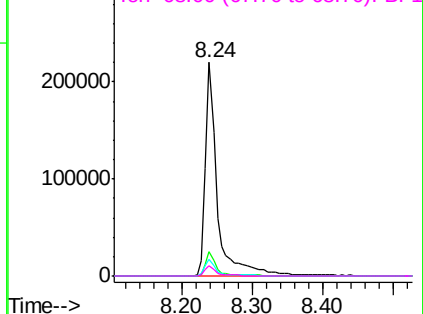
137 11.2 8.8 13.2

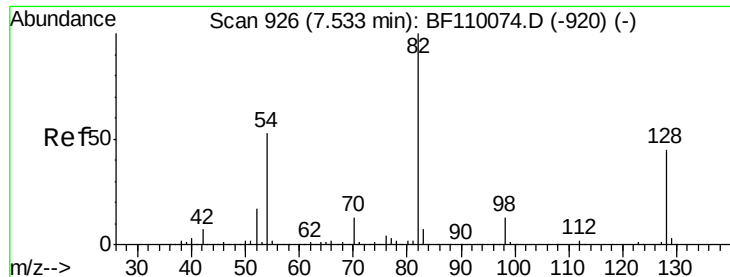
54 8.0 5.4 8.2

68 5.0 4.2 6.2



Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

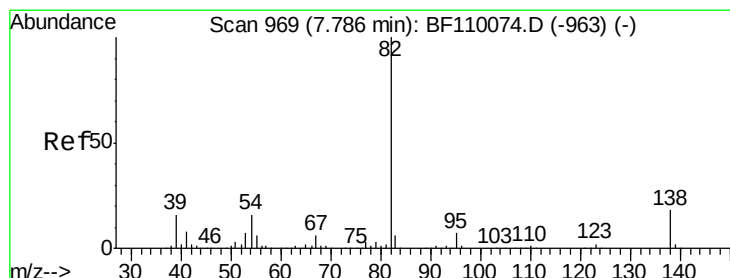
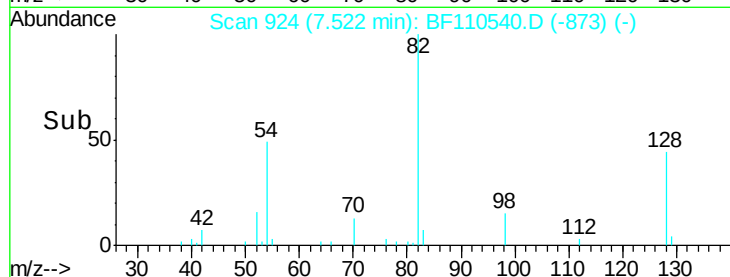
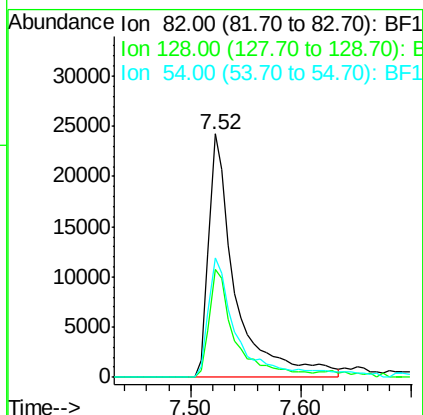
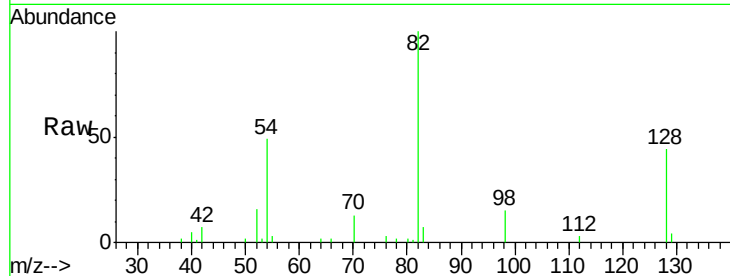




#23
Nitrobenzene-d5
Concen: 9.22 ng
RT: 7.52 min Scan# 924
Delta R.T. 0.00 min
Lab File: BF110540.D
Acq: 7 Nov 2018 2:37

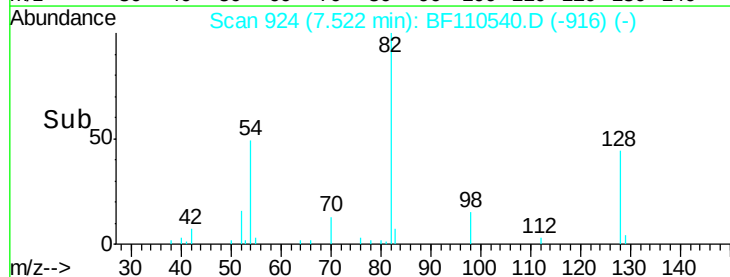
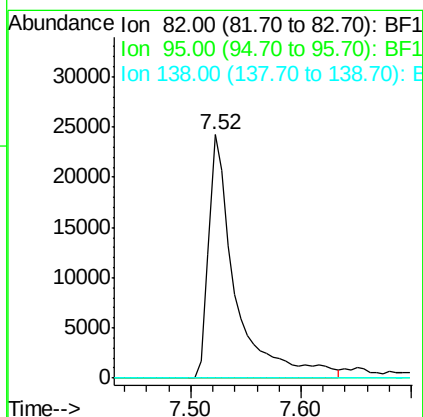
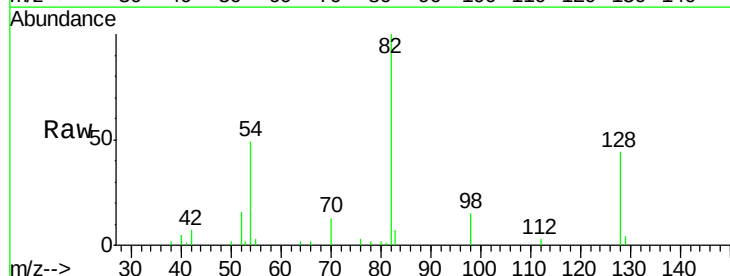
Instrument :
BNA_F
ClientSampleId :

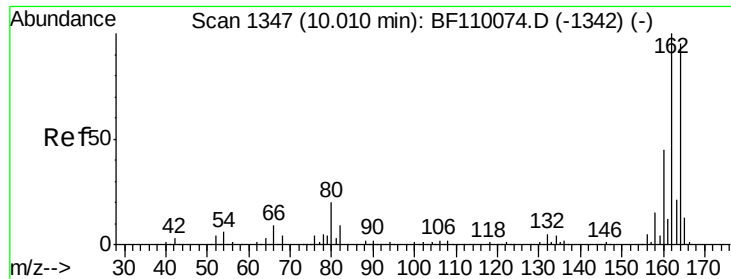
Tot Ion	82	Resp	40368
Ion Ratio	100	Lower	Upper
128	44.4	34.2	51.2
54	49.0	38.6	58.0



#25
Isophorone
Concen: 5.41 ng
RT: 7.52 min Scan# 924
Delta R.T. -0.25 min
Lab File: BF110540.D
Acq: 7 Nov 2018 2:37

Tgt Ion	82	Resp	40368
Ion Ratio	100	Lower	Upper
95	0.0	5.7	8.5#
138	0.0	13.2	19.8#





#39

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.00 min Scan# 1345

Delta R.T. 0.00 min

Lab File: BF110540.D

Acq: 7 Nov 2018 2:37

Instrument :

BNA_F

ClientSampleId :

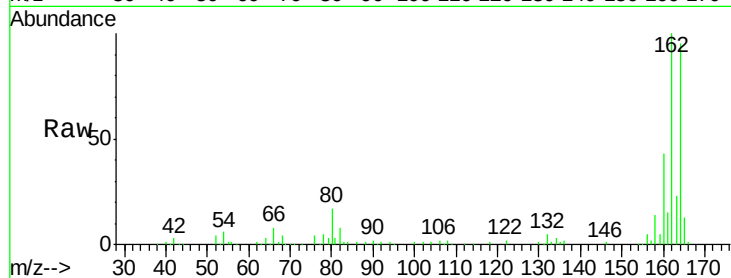
Tot Ion:164 Resp: 100946

Ion Ratio Lower Upper

164 100

162 105.3 83.0 124.6

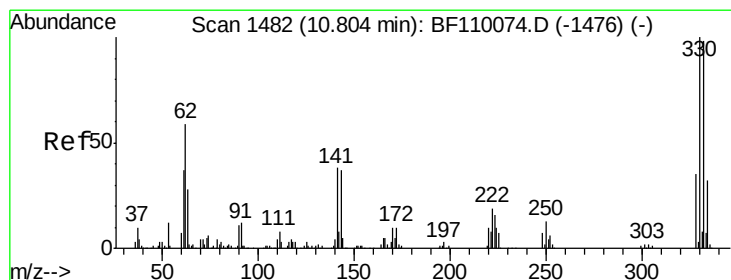
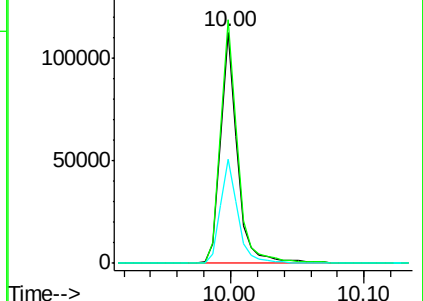
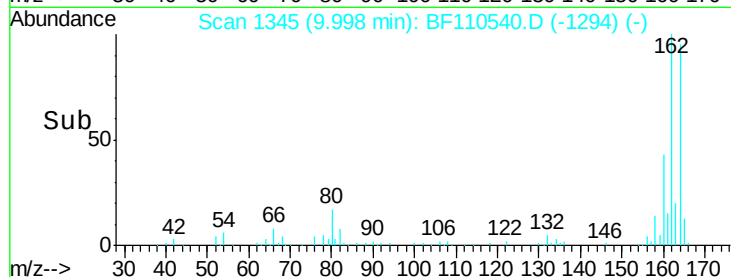
160 44.9 37.0 55.6



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42

2,4,6-Tribromophenol

Concen: 13.52 ng

RT: 10.80 min Scan# 1481

Delta R.T. 0.01 min

Lab File: BF110540.D

Acq: 7 Nov 2018 2:37

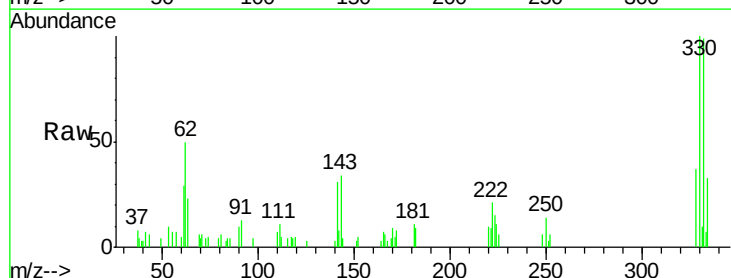
Tgt Ion:330 Resp: 13522

Ion Ratio Lower Upper

330 100

332 95.4 77.1 115.7

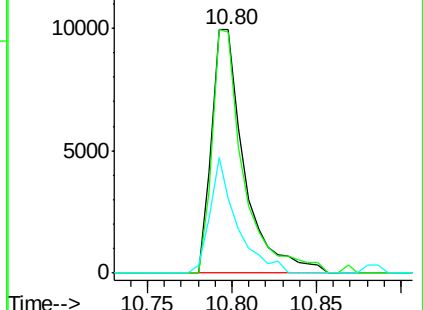
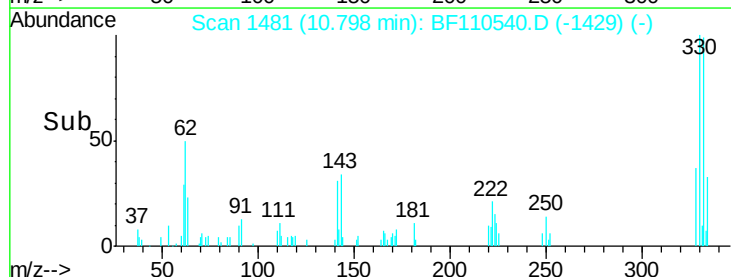
141 38.5 27.0 40.4

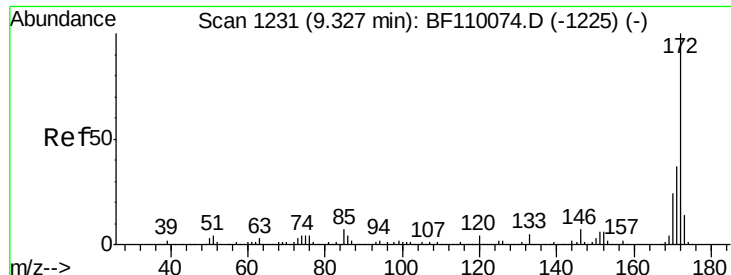


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

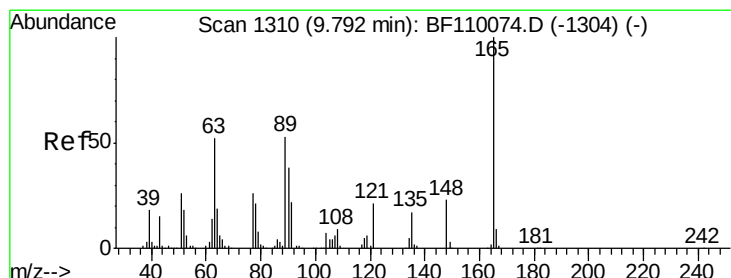
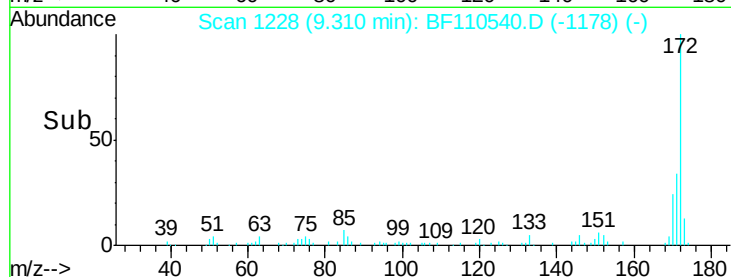
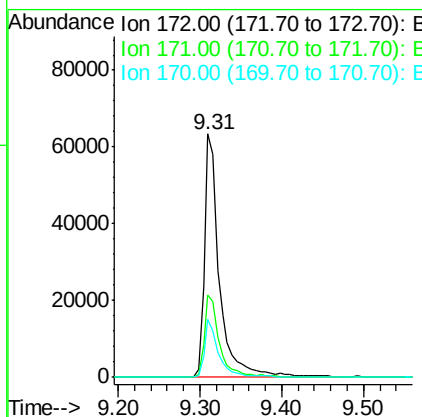
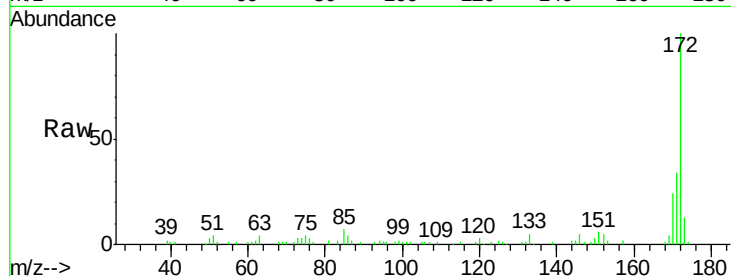




#45
2-Fluorobiphenyl
Concen: 12.74 ng
RT: 9.31 min Scan# 1228
Delta R.T. -0.01 min
Lab File: BF110540.D
Acq: 7 Nov 2018 2:37

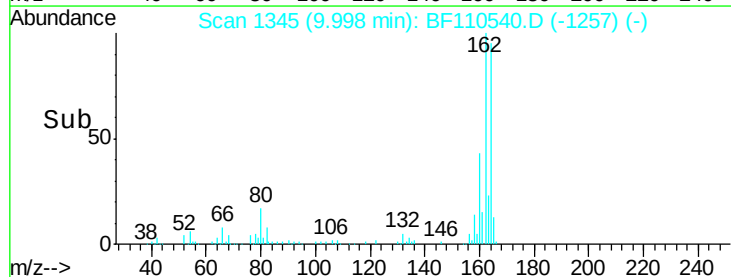
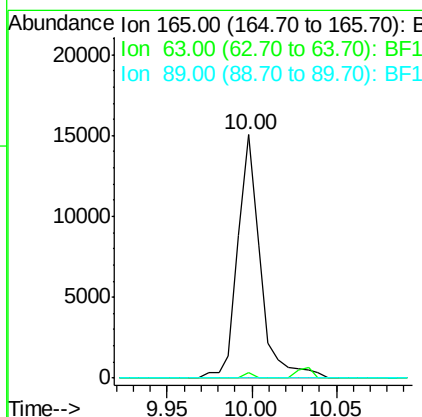
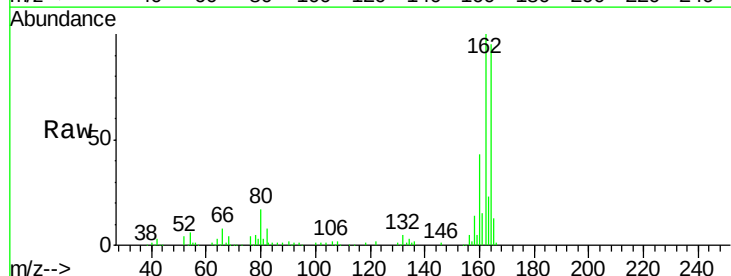
Instrument :
BNA_F
ClientSampleId :

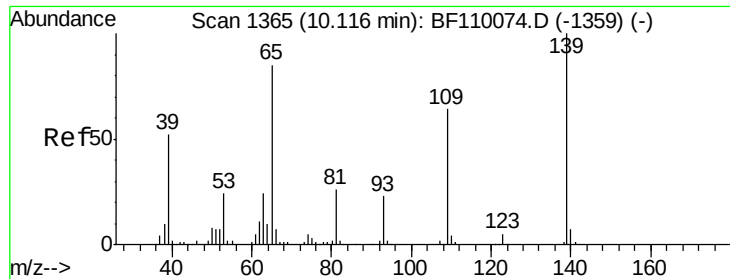
Tot Ion:172 Resp: 81910
Ion Ratio Lower Upper
172 100
171 34.0 28.6 43.0
170 23.9 19.7 29.5



#51
2,6-Dinitrotoluene
Concen: 8.68 ng
RT: 10.00 min Scan# 1345
Delta R.T. 0.22 min
Lab File: BF110540.D
Acq: 7 Nov 2018 2:37

Tgt Ion:165 Resp: 13931
Ion Ratio Lower Upper
165 100
63 2.5 48.9 73.3#
89 0.0 46.6 69.8#

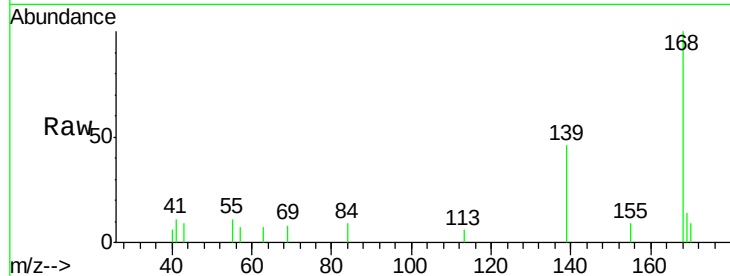




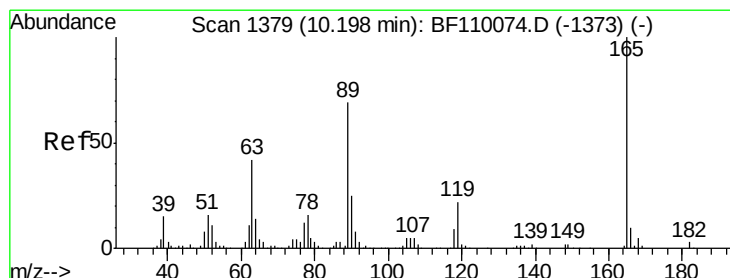
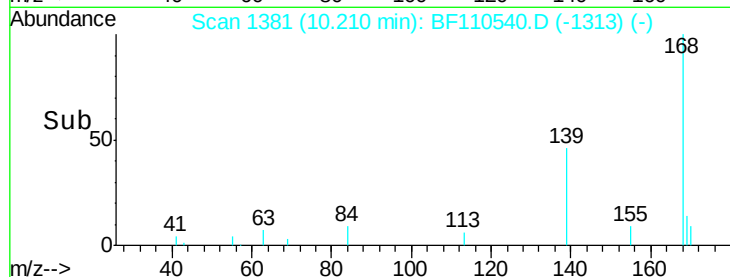
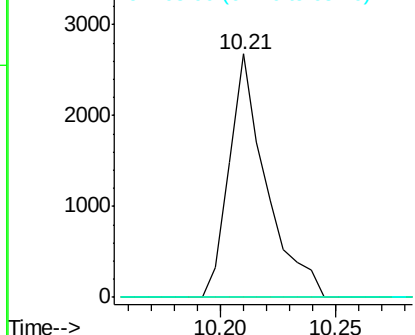
#56
4-Nitrophenol
Concen: 2.12 ng
RT: 10.21 min Scan# 1381
Delta R.T. 0.10 min
Lab File: BF110540.D
Acq: 7 Nov 2018 2:37

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
139	100		
109	0.0	55.8	95.8#
65	0.0	77.9	117.9#

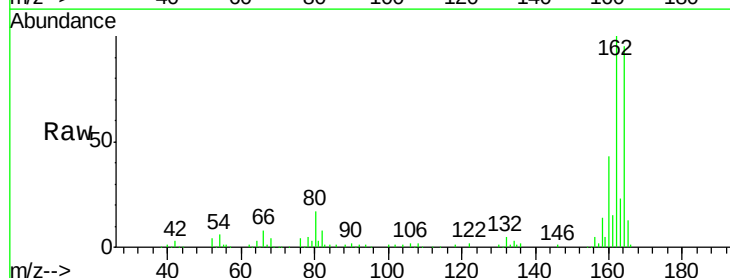


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

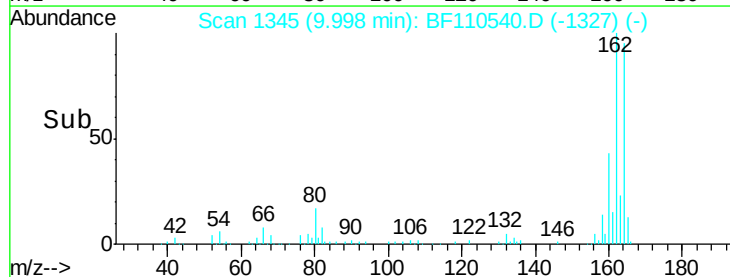
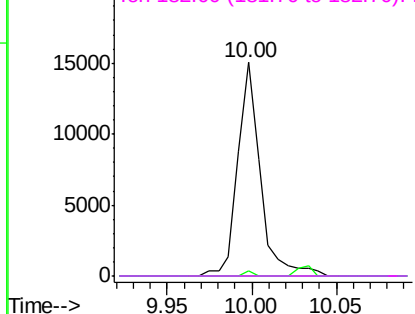


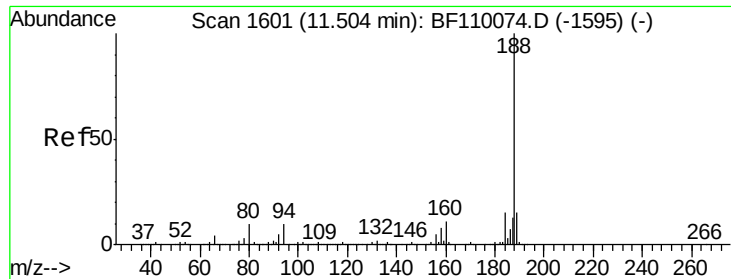
#57
2,4-Dinitrotoluene
Concen: 6.83 ng
RT: 10.00 min Scan# 1345
Delta R.T. -0.19 min
Lab File: BF110540.D
Acq: 7 Nov 2018 2:37

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.5	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

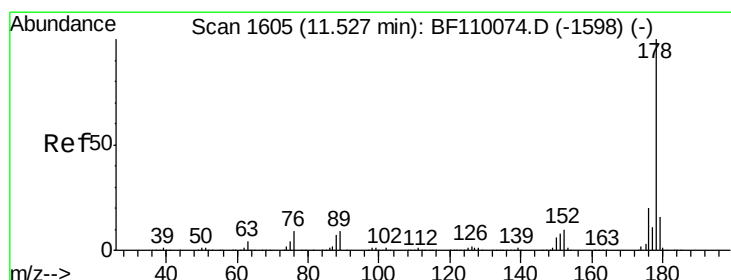
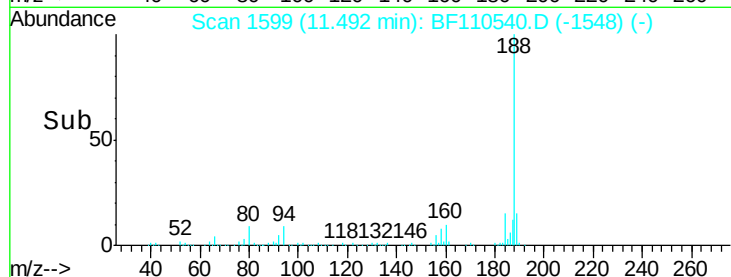
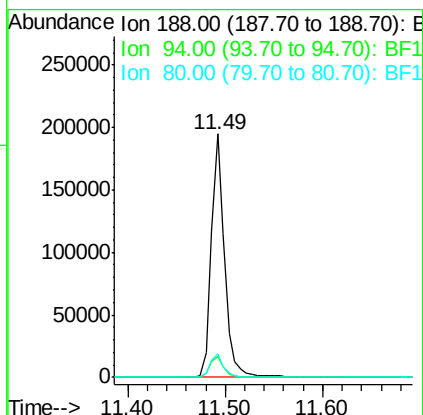
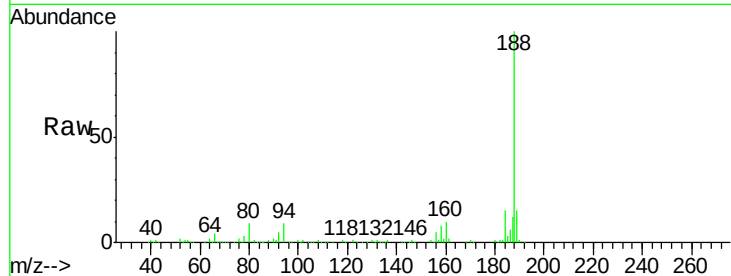




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.49 min Scan# 1599
Delta R.T. 0.00 min
Lab File: BF110540.D
Acq: 7 Nov 2018 2:37

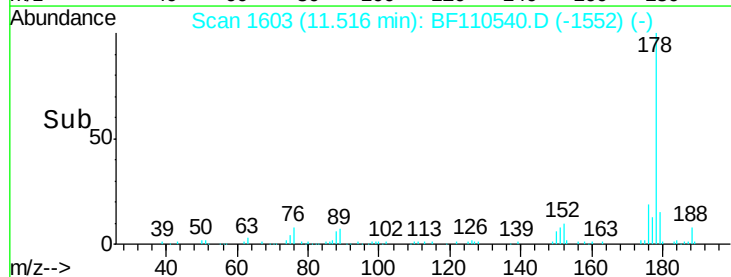
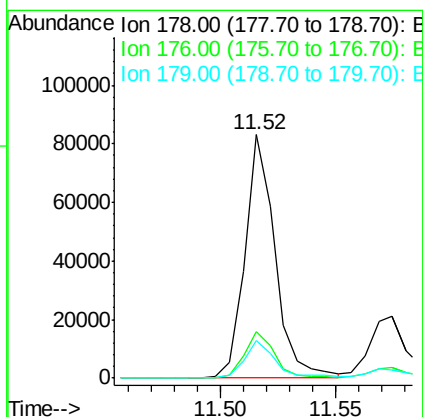
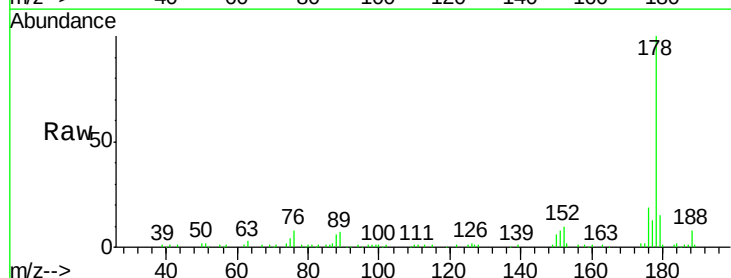
Instrument :
BNA_F
ClientSampleId :

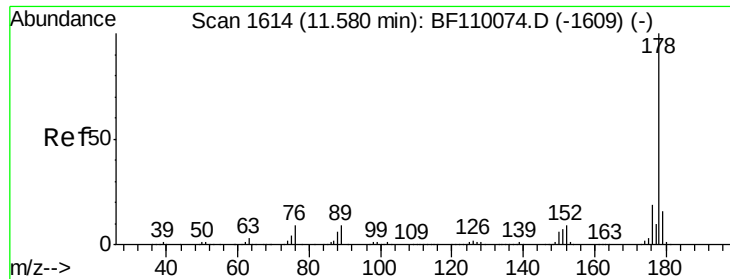
Tot Ion:188 Resp: 182794
Ion Ratio Lower Upper
188 100
94 8.8 7.2 10.8
80 9.4 7.9 11.9



#71
Phenanthrene
Concen: 7.94 ng
RT: 11.52 min Scan# 1603
Delta R.T. 0.00 min
Lab File: BF110540.D
Acq: 7 Nov 2018 2:37

Tgt Ion:178 Resp: 75912
Ion Ratio Lower Upper
178 100
176 19.3 15.5 23.3
179 15.4 12.5 18.7





#72

Anthracene

Concen: 2.55 ng

RT: 11.57 min Scan# 1613

Delta R.T. 0.01 min

Lab File: BF110540.D

Acq: 7 Nov 2018 2:37

Instrument :

BNA_F

ClientSampleId :

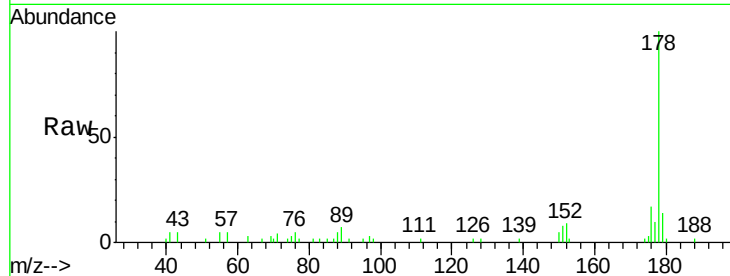
Tot Ion:178 Resp: 24414

Ion Ratio Lower Upper

178 100

176 16.6 15.4 23.2

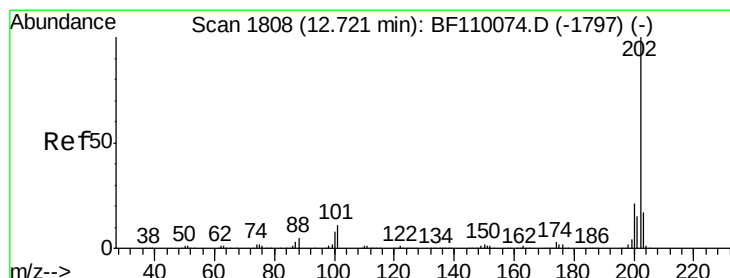
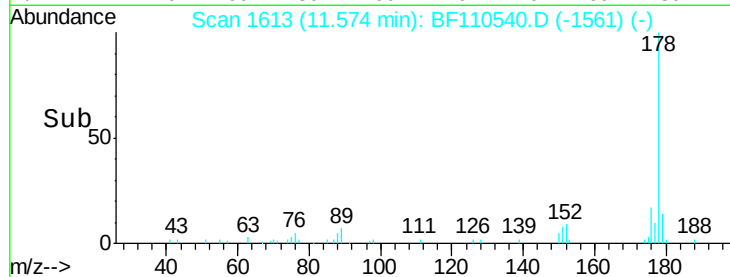
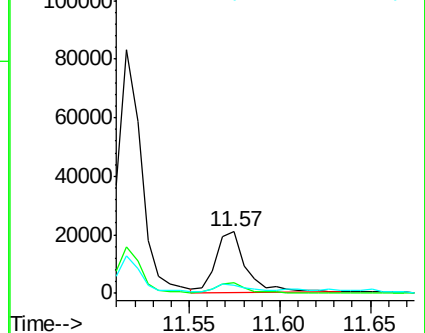
179 13.9 12.6 18.8



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: 9.58 ng

RT: 12.71 min Scan# 1806

Delta R.T. 0.00 min

Lab File: BF110540.D

Acq: 7 Nov 2018 2:37

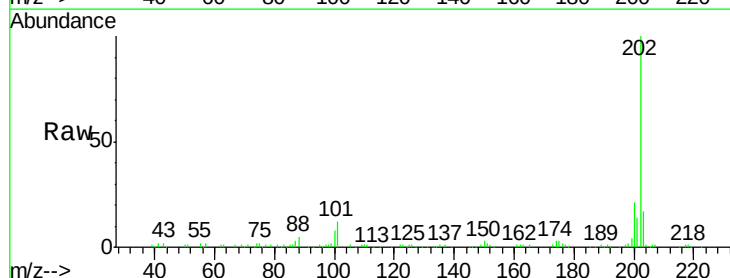
Tgt Ion:202 Resp: 92986

Ion Ratio Lower Upper

202 100

101 11.6 0.0 31.4

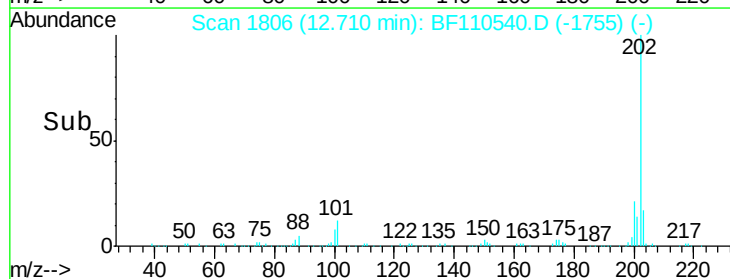
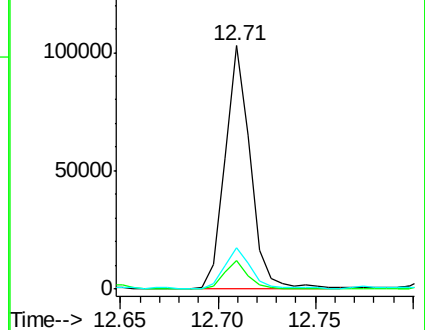
203 17.2 0.0 37.7

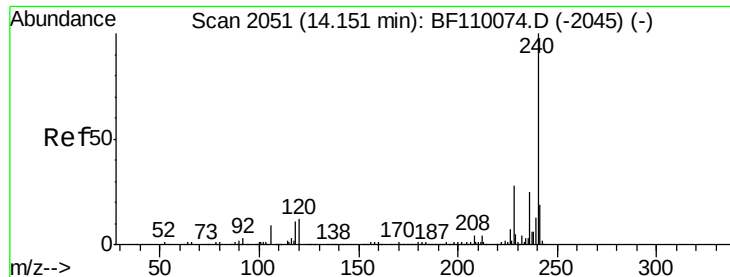


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#76

Chrysene-d12

Concen: 20.00 ng

RT: 14.14 min Scan# 2049

Delta R.T. 0.00 min

Lab File: BF110540.D

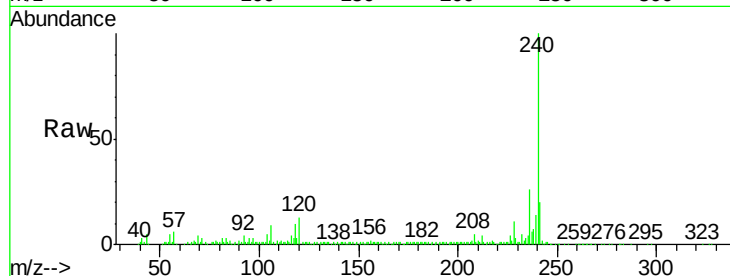
Acq: 7 Nov 2018 2:37

Instrument :

BNA_F

ClientSampleId :

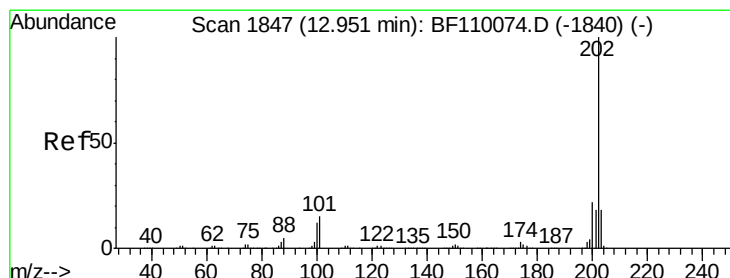
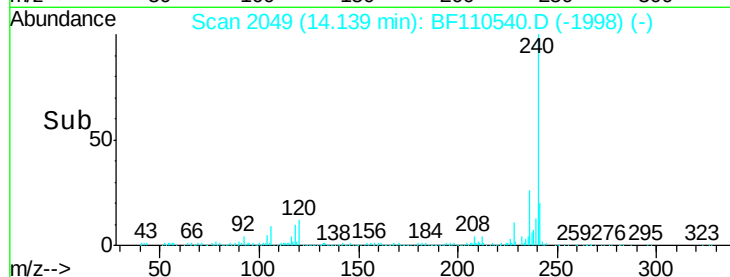
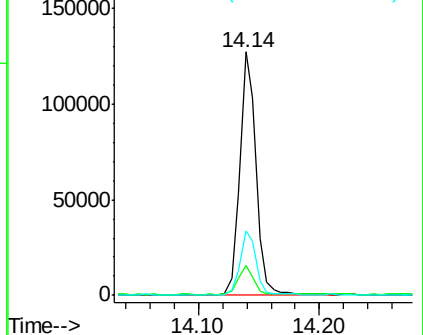
Tot Ion:240	Resp:	120611
Ion Ratio	Lower	Upper
240	100	
120	12.5	8.3 12.5#
236	26.4	21.2 31.8



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: 10.09 ng

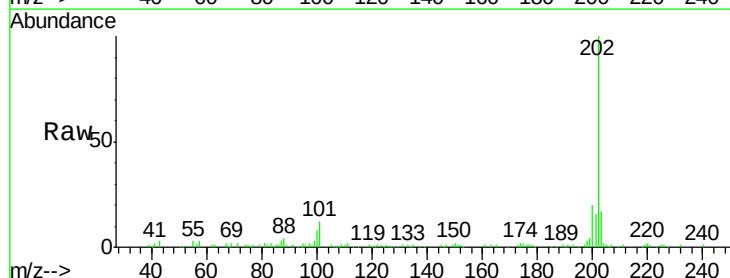
RT: 12.94 min Scan# 1846

Delta R.T. 0.01 min

Lab File: BF110540.D

Acq: 7 Nov 2018 2:37

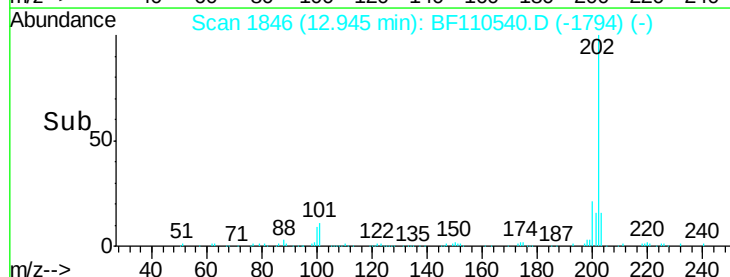
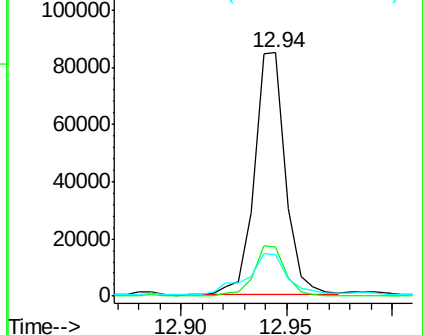
Tgt Ion:202	Resp:	87235
Ion Ratio	Lower	Upper
202	100	
200	20.3	17.8 26.6
203	16.9	14.2 21.4

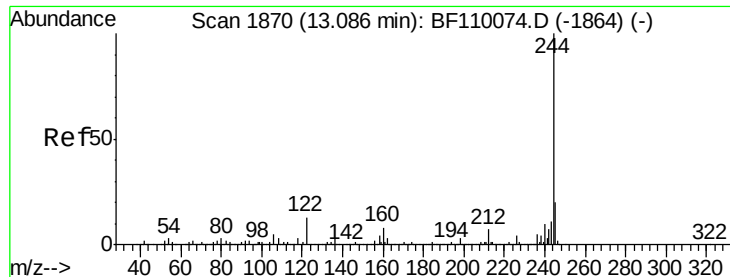


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 12.36 ng

RT: 13.07 min Scan# 1867

Delta R.T. -0.01 min

Lab File: BF110540.D

Acq: 7 Nov 2018 2:37

Instrument :

BNA_F

ClientSampled :

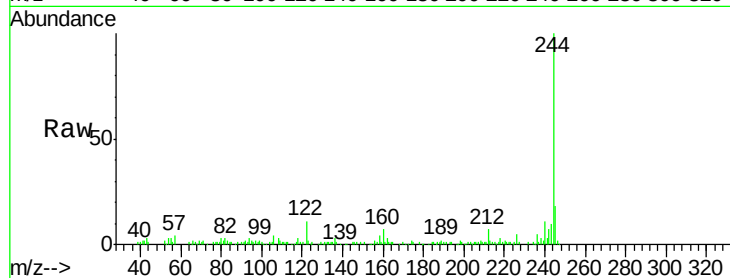
Tot Ion:244 Resp: 71684

Ion Ratio Lower Upper

244 100

212 7.1 5.8 8.8

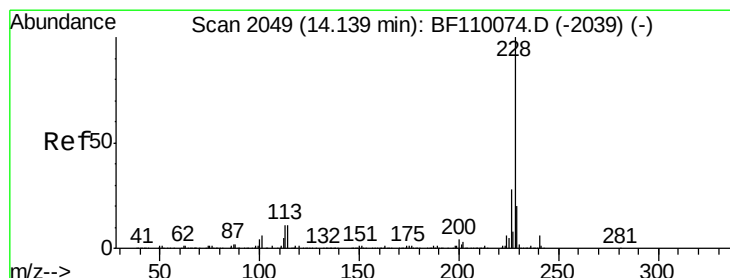
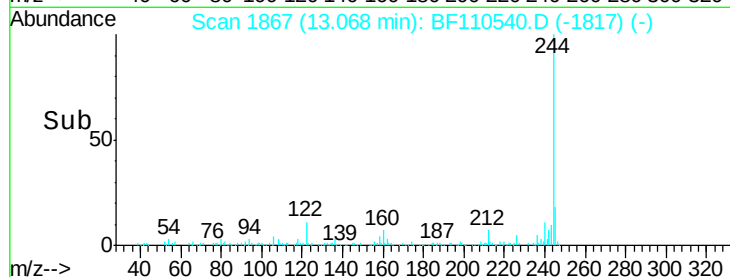
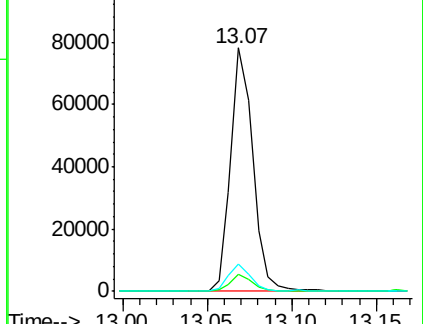
122 11.2 8.7 13.1



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: 5.03 ng

RT: 14.13 min Scan# 2047

Delta R.T. 0.00 min

Lab File: BF110540.D

Acq: 7 Nov 2018 2:37

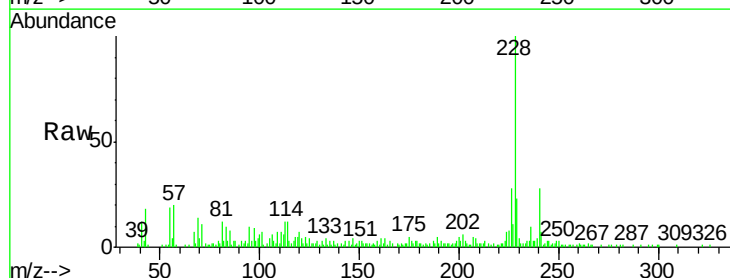
Tgt Ion:228 Resp: 35946

Ion Ratio Lower Upper

228 100

226 28.1 22.1 33.1

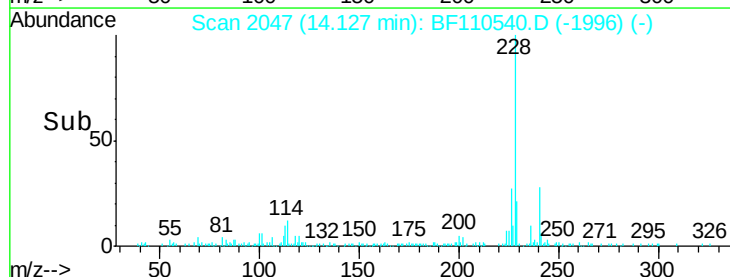
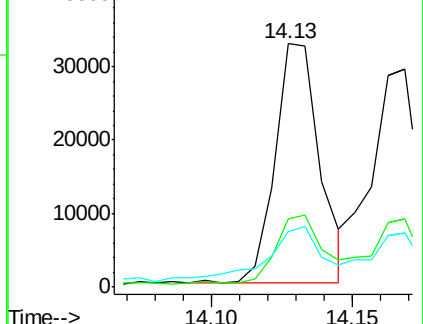
229 22.8 15.6 23.4

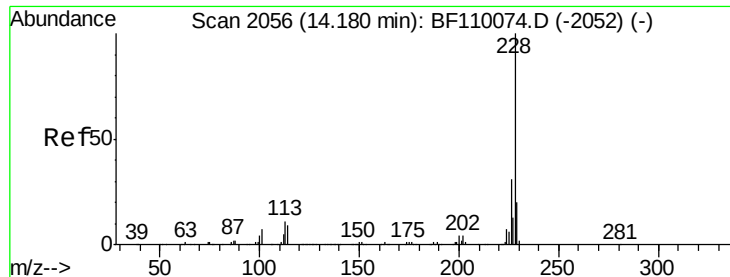


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

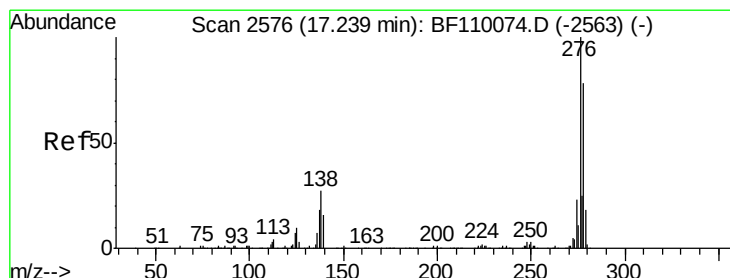
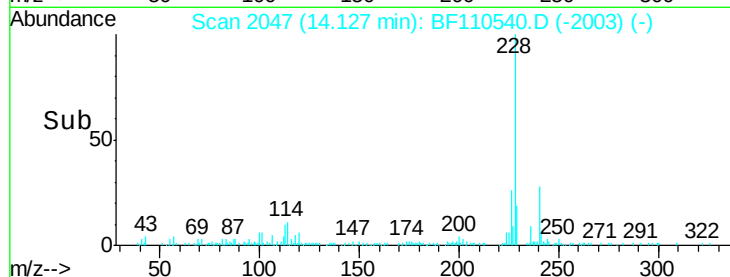
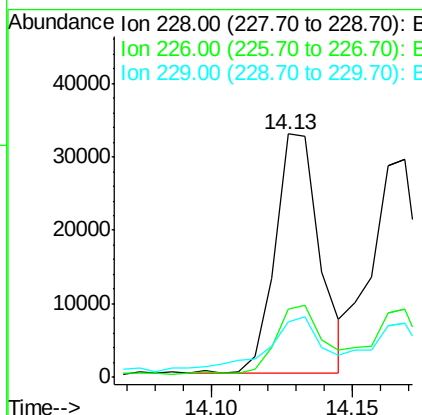
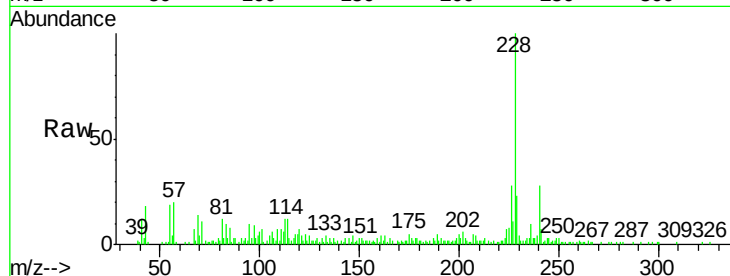




#83
Chrysene
Concen: 5.29 ng
RT: 14.13 min Scan# 2047
Delta R.T. -0.04 min
Lab File: BF110540.D
Acq: 7 Nov 2018 2:37

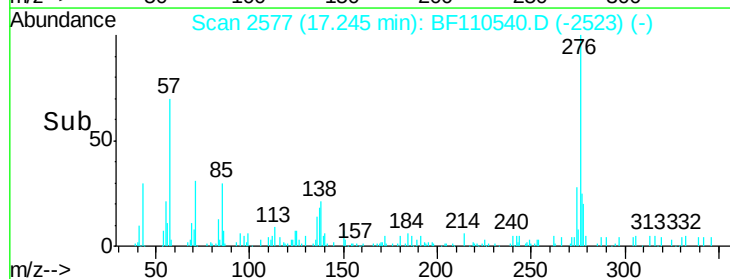
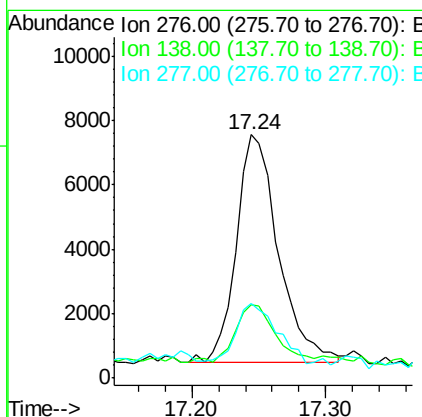
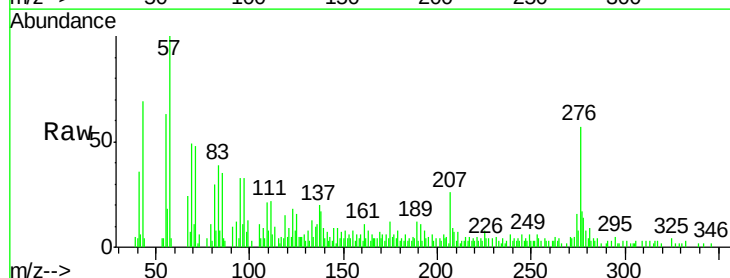
Instrument :
BNA_F
ClientSampleId :

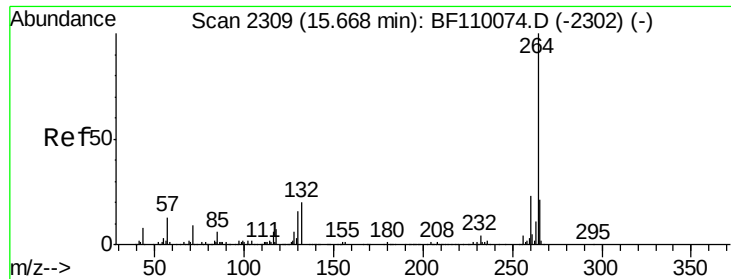
Tot Ion:228 Resp: 35946
Ion Ratio Lower Upper
228 100
226 28.1 24.7 37.1
229 22.8 15.9 23.9



#86
Indeno(1,2,3-cd)pyrene
Concen: 2.73 ng
RT: 17.24 min Scan# 2577
Delta R.T. 0.02 min
Lab File: BF110540.D
Acq: 7 Nov 2018 2:37

Tgt Ion:276 Resp: 15413
Ion Ratio Lower Upper
276 100
138 24.6 18.5 27.7
277 24.8 20.0 30.0





#87

Pervlene-d12

Concen: 20.00 ng

RT: 15.67 min Scan# 2309

Delta R.T. 0.01 min

Lab File: BF110540.D

Acq: 7 Nov 2018 2:37

Instrument :

BNA_F

ClientSampleId :

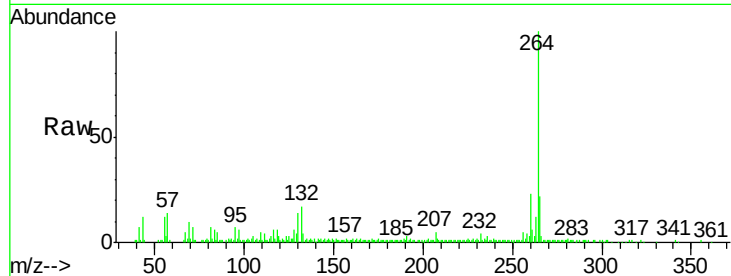
Tot Ion:264 Resp: 95432

Ion Ratio Lower Upper

264 100

260 23.0 18.7 28.1

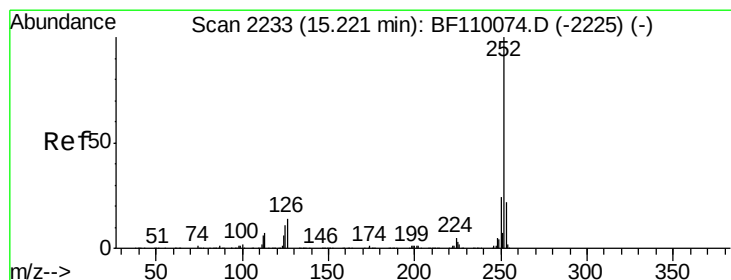
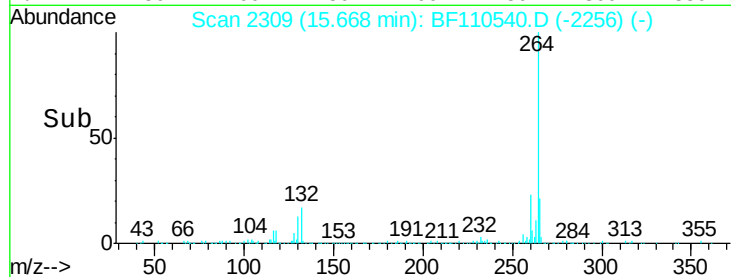
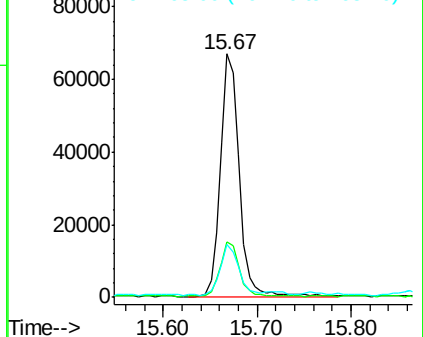
265 21.7 16.7 25.1



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 8.98 ng

RT: 15.22 min Scan# 2232

Delta R.T. 0.01 min

Lab File: BF110540.D

Acq: 7 Nov 2018 2:37

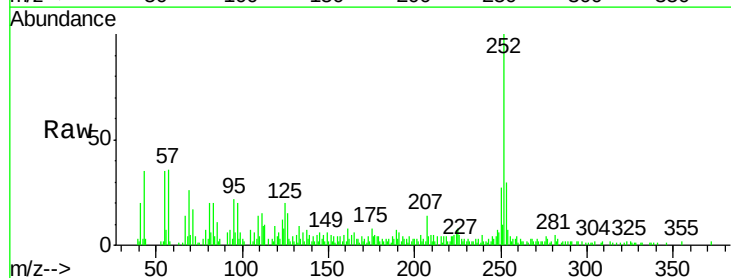
Tgt Ion:252 Resp: 49501

Ion Ratio Lower Upper

252 100

253 29.7 17.2 25.8#

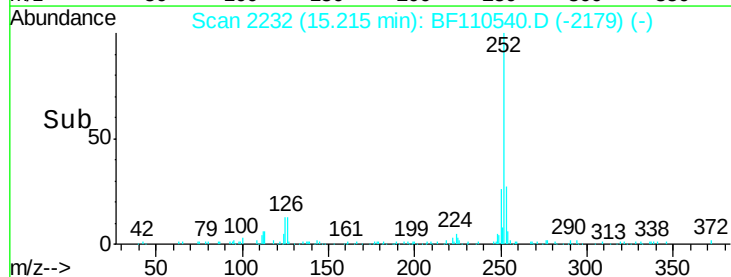
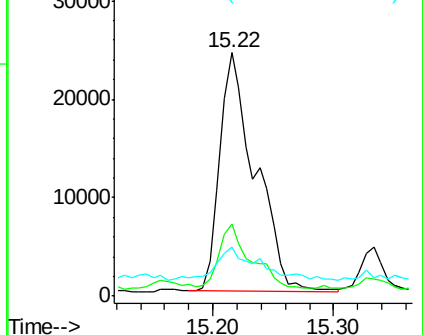
125 20.0 8.2 12.4#

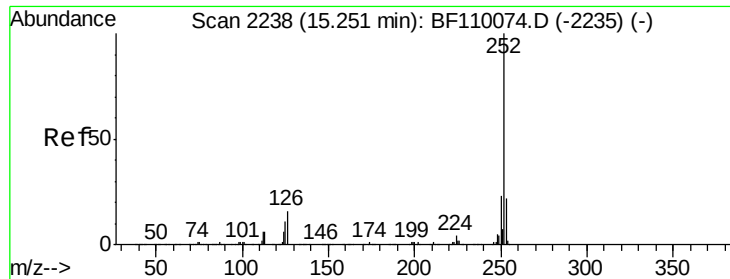


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

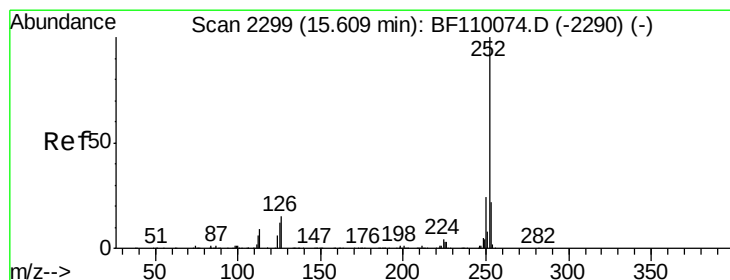
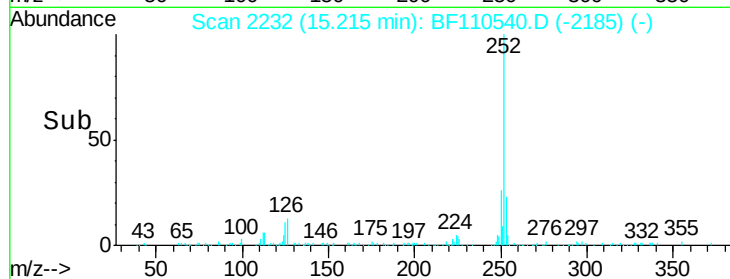
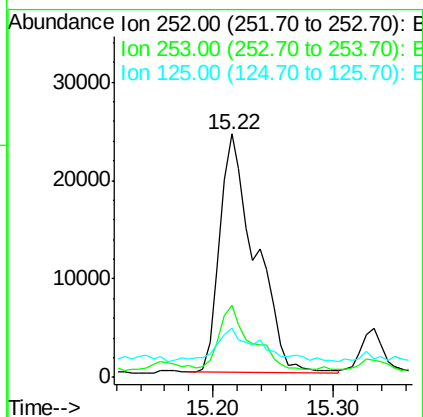
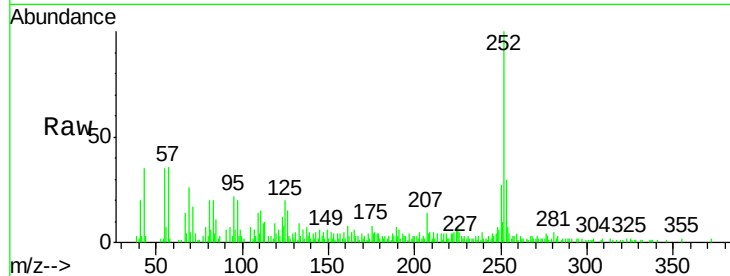




#89
Benzo(k)fluoranthene
Concen: 9.14 ng
RT: 15.22 min Scan# 2232
Delta R.T. -0.02 min
Lab File: BF110540.D
Acq: 7 Nov 2018 2:37

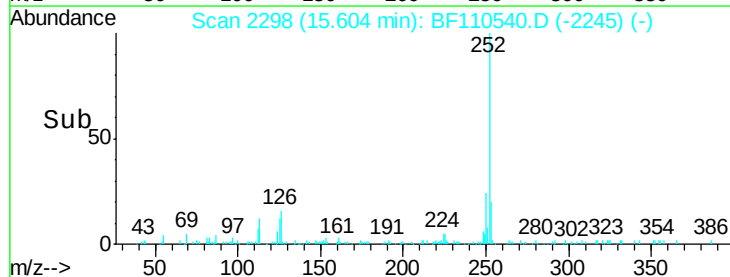
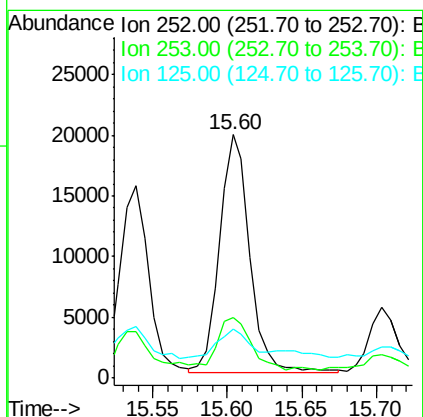
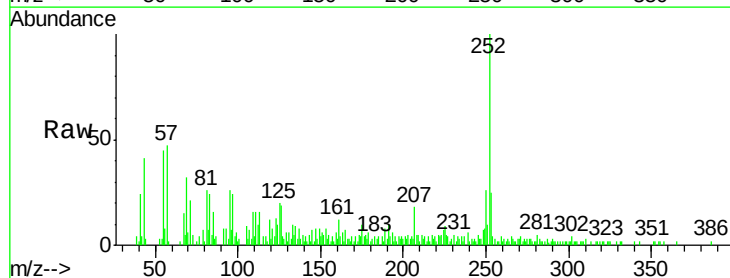
Instrument :
BNA_F
ClientSampleId :

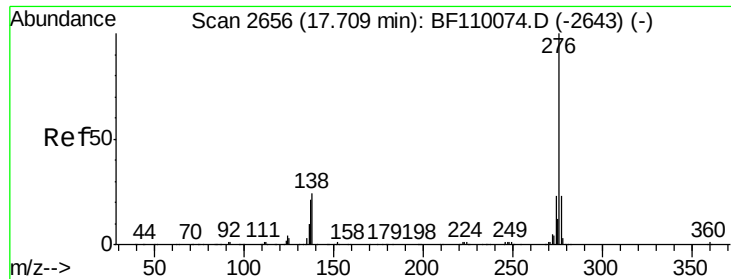
Tot Ion	Ratio	Lower	Upper
252	100		
253	29.7	17.2	25.8#
125	20.0	7.4	11.0#



#90
Benzo(a)pyrene
Concen: 5.53 ng
RT: 15.60 min Scan# 2298
Delta R.T. 0.01 min
Lab File: BF110540.D
Acq: 7 Nov 2018 2:37

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.9	18.2	27.4
125	20.0	9.0	13.6#





#92

Benzo(a,h,i)perylene

Concen: 4.51 ng

RT: 17.73 min Scan# 2659

Delta R.T. 0.02 min

Lab File: BF110540.D

Acq: 7 Nov 2018 2:37

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 276 Resp: 19438

Ion Ratio Lower Upper

276 100

277 29.5 18.8 28.2#

138 27.3 16.0 24.0#

