

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102918\
 Data File : BF110253.D
 Acq On : 29 Oct 2018 11:04
 Operator : JU/SJ
 Sample : J5204-13 10XRE
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 29 12:31:00 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 23 15:06:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	120776	20.00	ng	-0.01
21) Naphthalene-d8	8.25	136	495484	20.00	ng	-0.02
39) Acenaphthene-d10	10.01	164	205768	20.00	ng	-0.02
64) Phenanthrene-d10	11.50	188	305635	20.00	ng	-0.01
76) Chrysene-d12	14.16	240	228982	20.00	ng	0.00
87) Perylene-d12	15.69	264	193825	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.58	112	110663	14.92	ng	-0.02
7) Phenol-d6	6.58	99	151346	15.95	ng	-0.02
23) Nitrobenzene-d5	7.53	82	89369	10.70	ng	-0.02
42) 2,4,6-Tribromophenol	10.80	330	29097	14.28	ng	-0.01
45) 2-Fluorobiphenyl	9.32	172	188939	14.42	ng	-0.02
79) Terphenyl-d14	13.09	244	129324	11.75	ng	-0.02

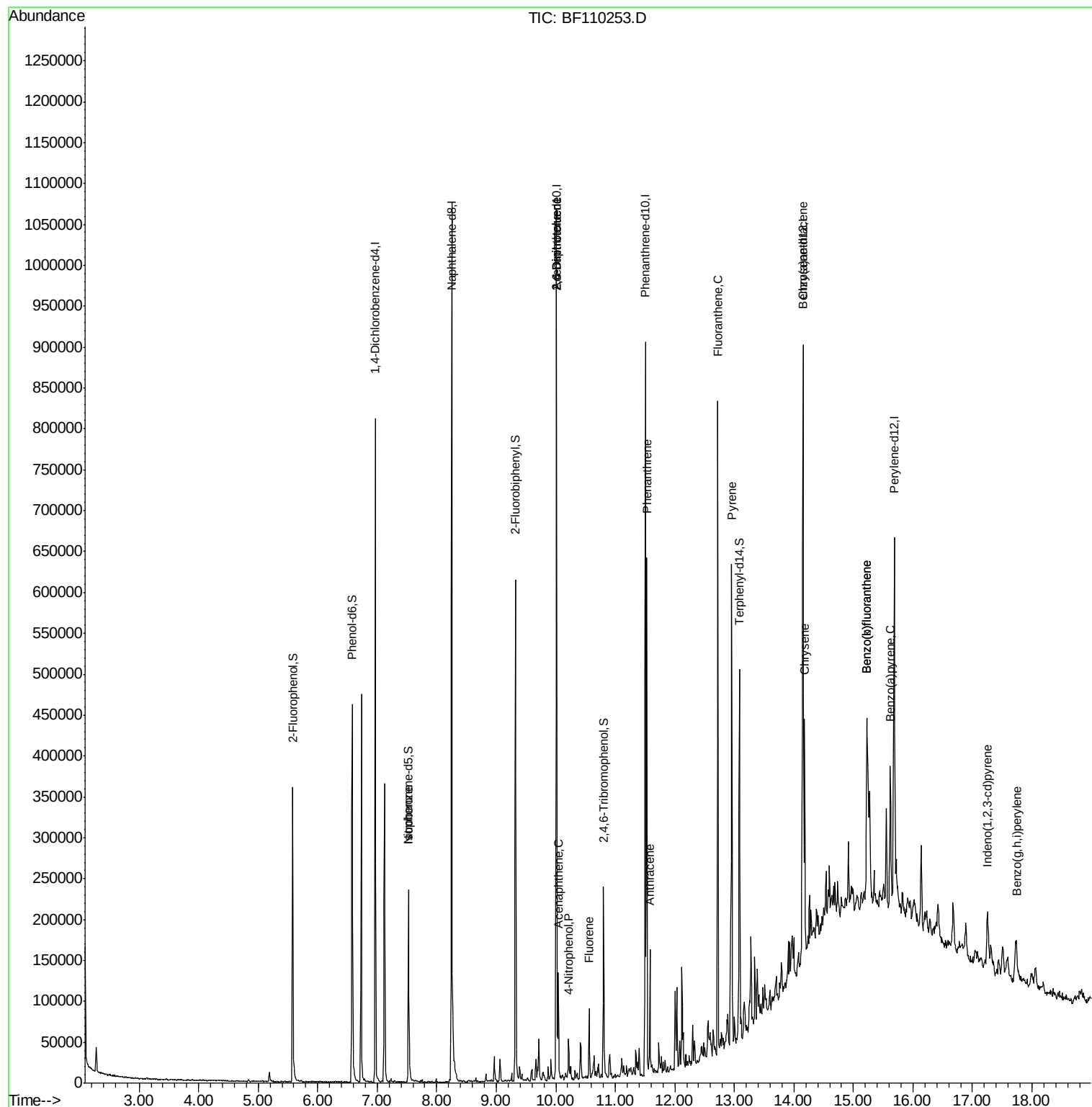
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.73	77	2746	Below Cal		# 85
25) Isophorone	7.53	82	89367	6.276	ng	# 67
51) 2,6-Dinitrotoluene	10.01	165	26574	8.122	ng	# 23
52) Acenaphthene	10.05	154	28436	2.180	ng	# 96
56) 4-Nitrophenol	10.22	139	7323	2.543	ng	# 6
57) 2,4-Dinitrotoluene	10.01	165	26569	6.393	ng	# 19
58) Fluorene	10.56	166	27347	2.012	ng	# 96
71) Phenanthrene	11.53	178	212998	13.319	ng	# 98
72) Anthracene	11.58	178	60700	3.787	ng	# 99
75) Fluoranthene	12.72	202	299301	18.441	ng	# 99
78) Pyrene	12.96	202	254149	15.482	ng	# 99
81) Benzo(a)anthracene	14.14	228	122411	9.015	ng	# 100
83) Chrysene	14.18	228	103231	8.004	ng	# 98
86) Indeno(1,2,3-cd)pyrene	17.26	276	45109	4.216	ng	# 97
88) Benzo(b)fluoranthene	15.23	252	164999	14.742	ng	# 93
89) Benzo(k)fluoranthene	15.23	252	164999	14.995	ng	# 92
90) Benzo(a)pyrene	15.62	252	86093	8.359	ng	# 98
92) Benzo(a,h,i)perylene	17.73	276	44226	5.050	ng	# 95

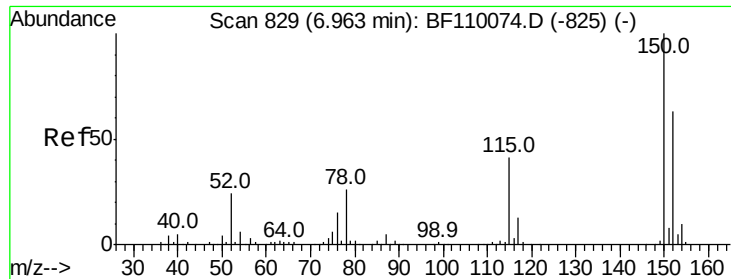
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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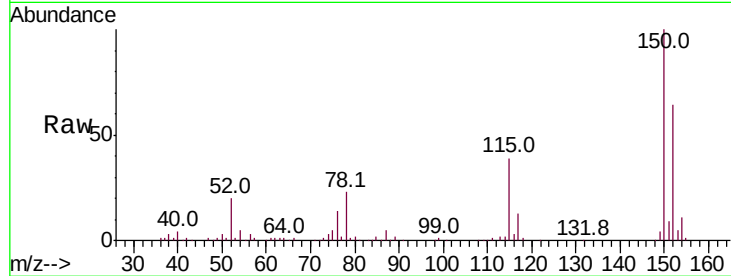


#1

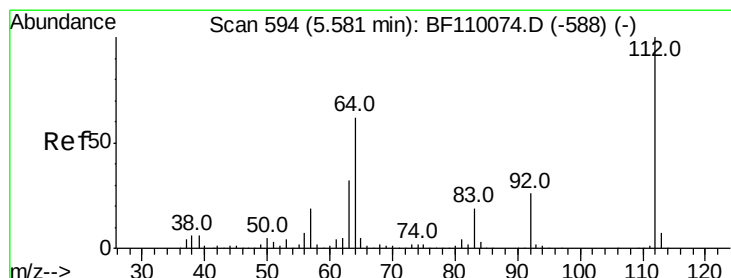
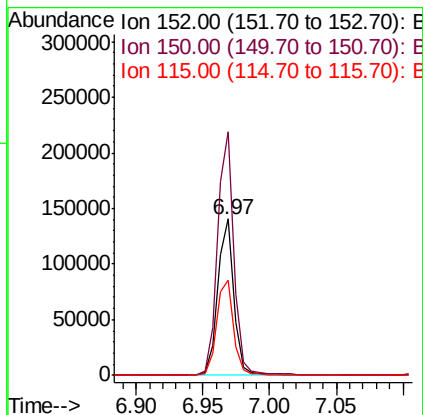
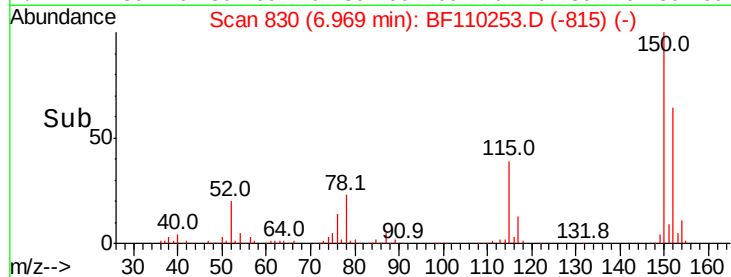
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. -0.01 min
Lab File: BF110253.D
Acq: 29 Oct 2018 11:04

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.0	122.7	184.1
115	60.6	49.1	73.7



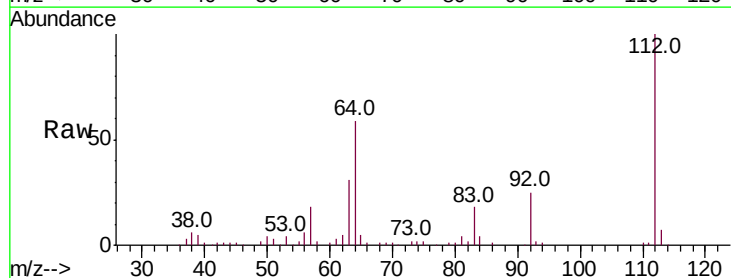
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



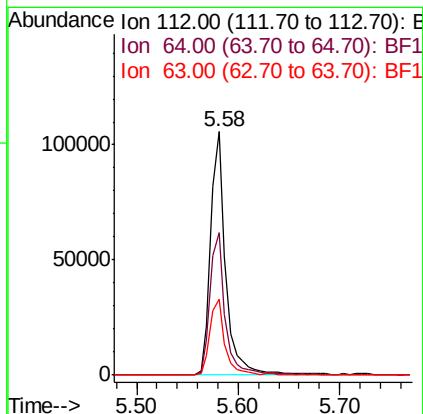
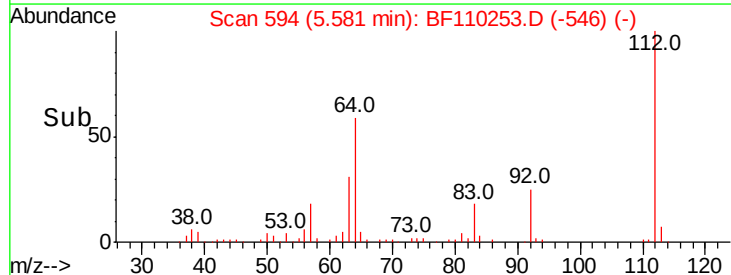
#5

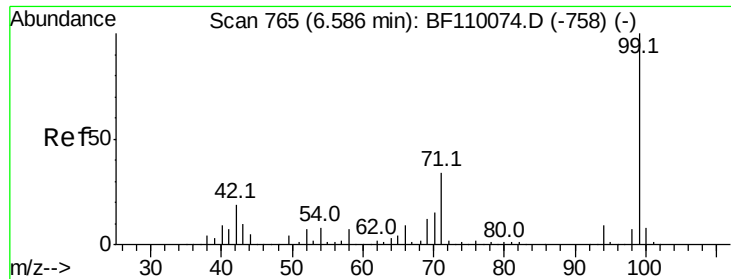
2-Fluorophenol
Concen: 14.921 ng
RT: 5.58 min Scan# 594
Delta R.T. -0.02 min
Lab File: BF110253.D
Acq: 29 Oct 2018 11:04

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.6	44.1	66.1
63	31.2	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: 15.954 ng

RT: 6.58 min Scan# 764

Delta R.T. -0.02 min

Lab File: BF110253.D

Acq: 29 Oct 2018 11:04

Instrument :

BNA_F

ClientSampleId :

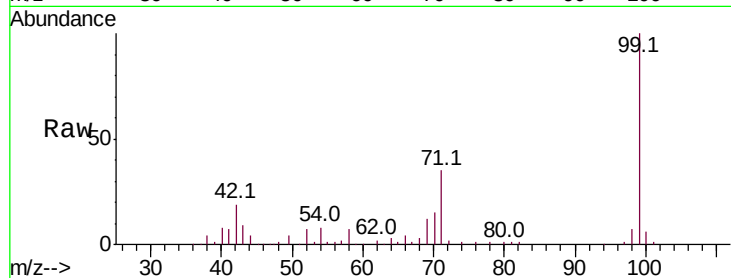
Tot Ion: 99 Resp: 151346

Ion Ratio Lower Upper

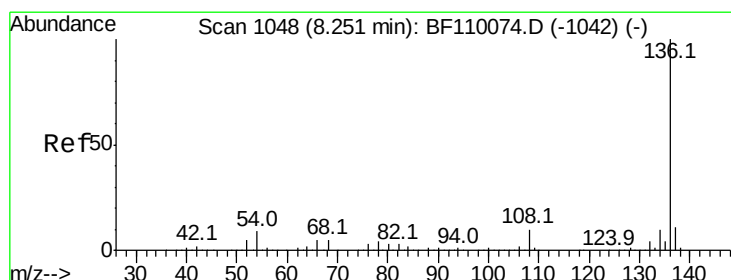
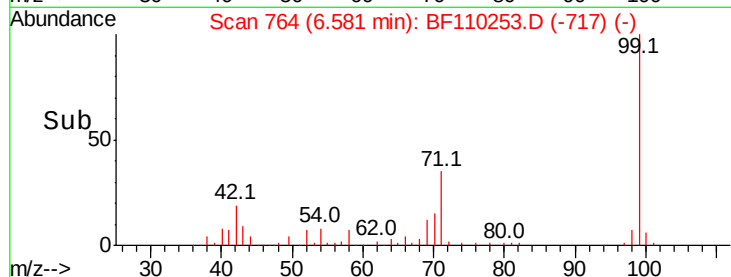
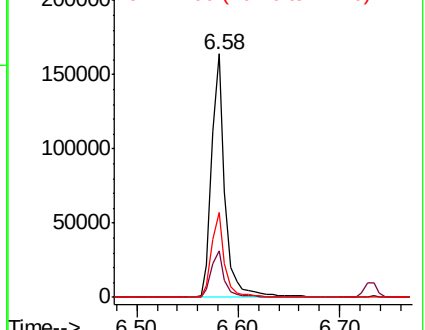
99 100

42 19.0 15.8 23.6

71 34.7 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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.25 min Scan# 1048

Delta R.T. -0.02 min

Lab File: BF110253.D

Acq: 29 Oct 2018 11:04

Tgt Ion: 136 Resp: 495484

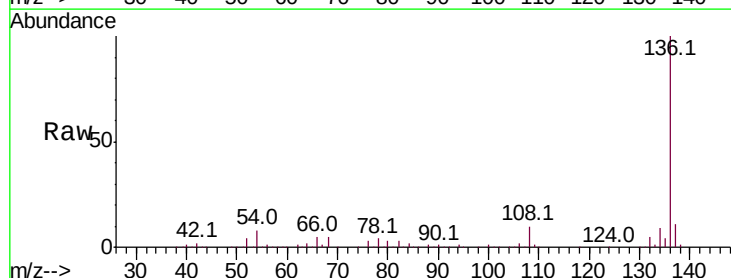
Ion Ratio Lower Upper

136 100

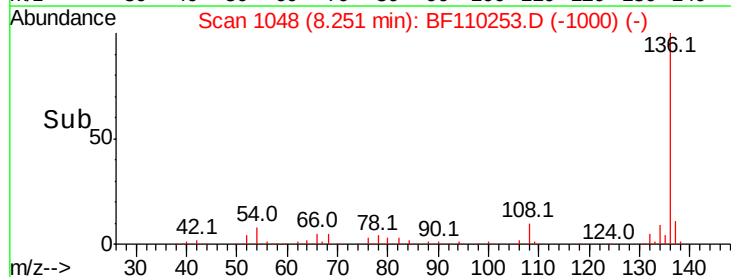
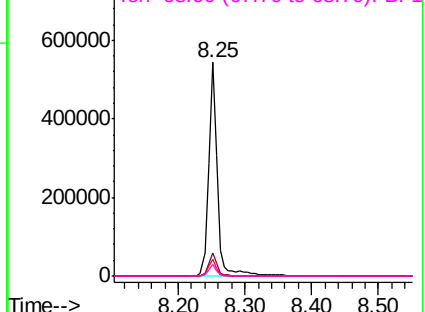
137 10.8 8.8 13.2

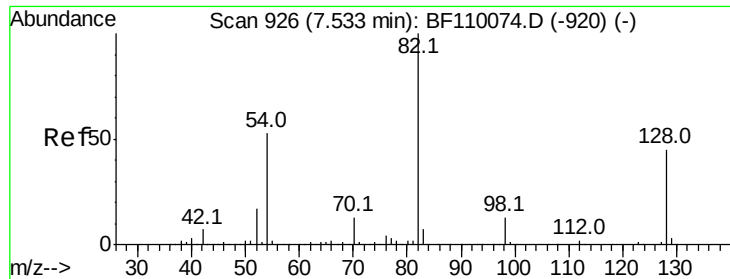
54 7.7 5.4 8.2

68 5.2 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

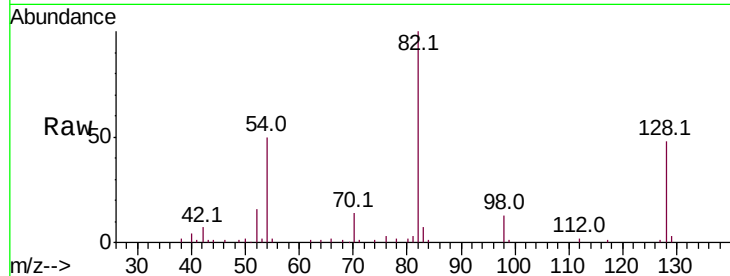




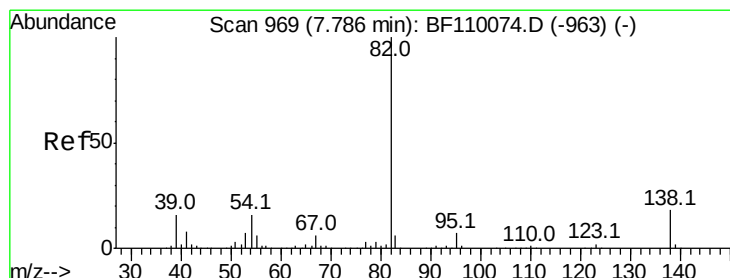
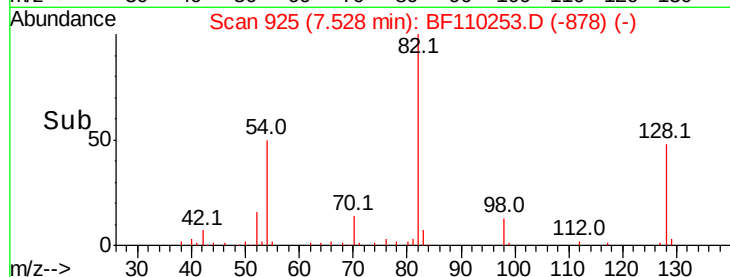
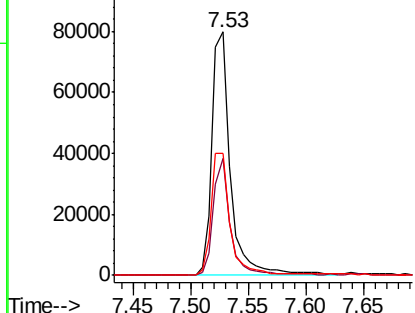
#23
 Nitrobenzene-d5
 Concen: 10.698 ng
 RT: 7.53 min Scan# 925
 Delta R.T. -0.02 min
 Lab File: BF110253.D
 Acq: 29 Oct 2018 11:04

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	82	Resp	89369
Ion Ratio	Lower	Upper	
82	100		
128	48.2	34.2	51.2
54	50.2	38.6	58.0

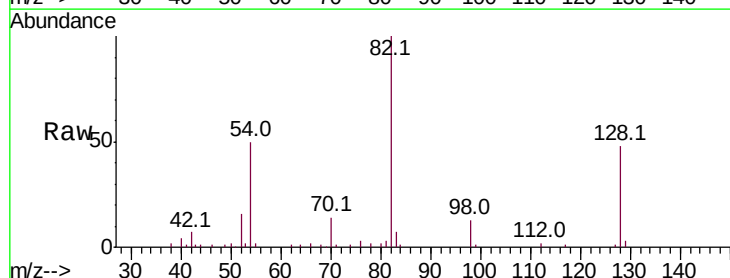


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

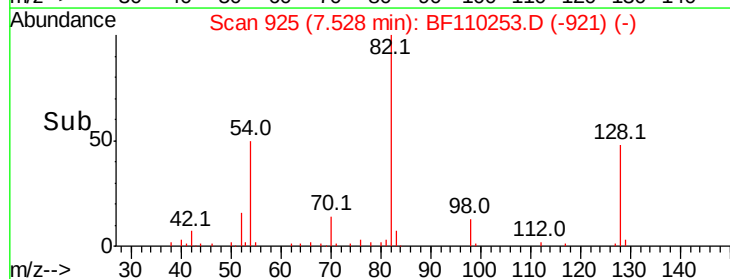
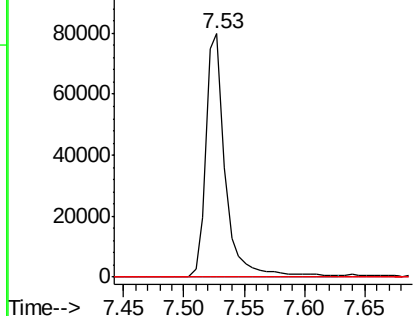


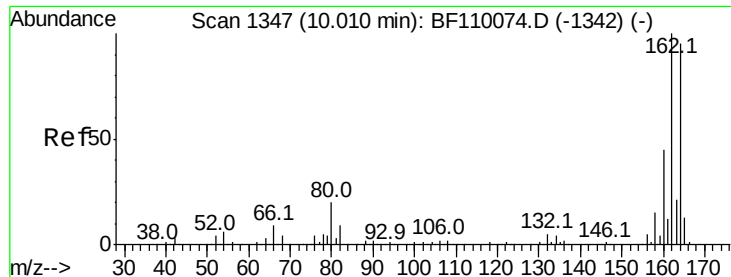
#25
 Isophorone
 Concen: 6.276 ng
 RT: 7.53 min Scan# 925
 Delta R.T. -0.28 min
 Lab File: BF110253.D
 Acq: 29 Oct 2018 11:04

Tgt Ion	82	Resp	89367
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: 10.01 min Scan# 1347

Delta R.T. -0.02 min

Lab File: BF110253.D

Acq: 29 Oct 2018 11:04

Instrument :

BNA_F

ClientSampleId :

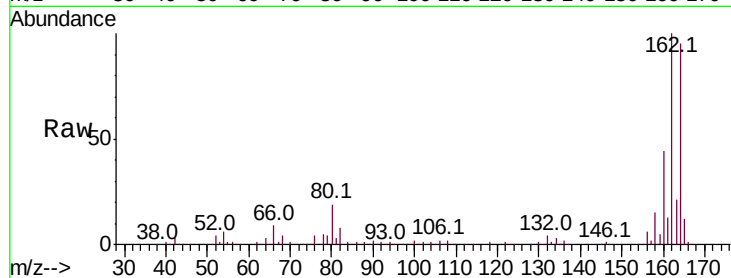
Tot Ion:164 Resp: 205768

Ion Ratio Lower Upper

164 100

162 105.1 83.0 124.6

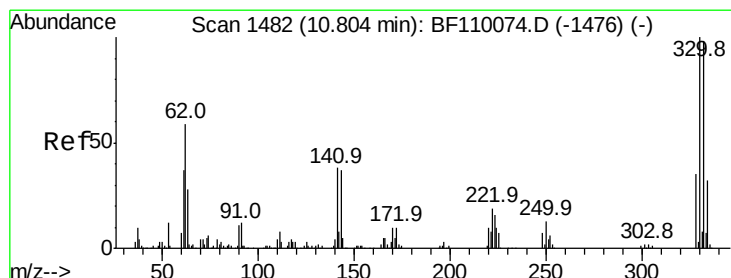
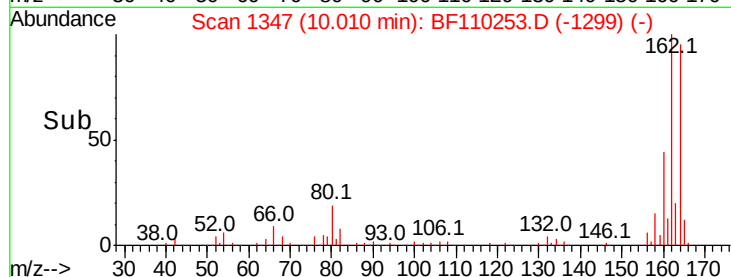
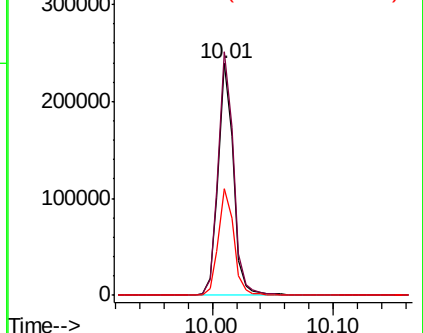
160 46.0 37.0 55.6



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: 14.275 ng

RT: 10.80 min Scan# 1482

Delta R.T. -0.01 min

Lab File: BF110253.D

Acq: 29 Oct 2018 11:04

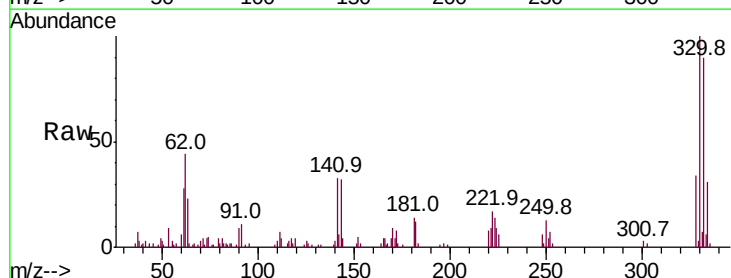
Tgt Ion:330 Resp: 29097

Ion Ratio Lower Upper

330 100

332 90.9 77.1 115.7

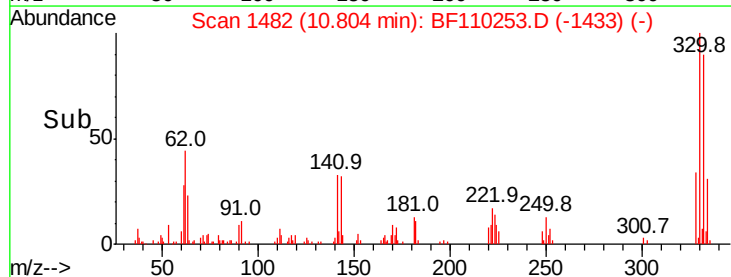
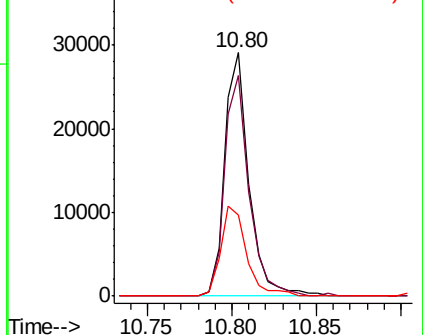
141 39.1 27.0 40.4

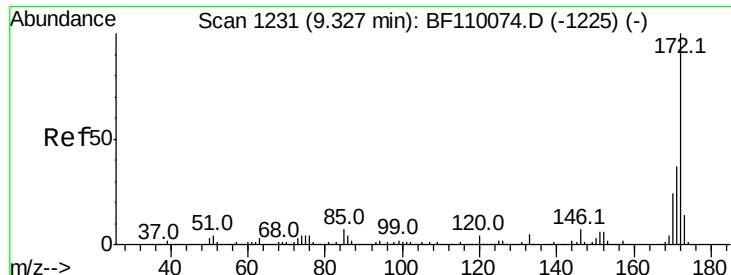


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

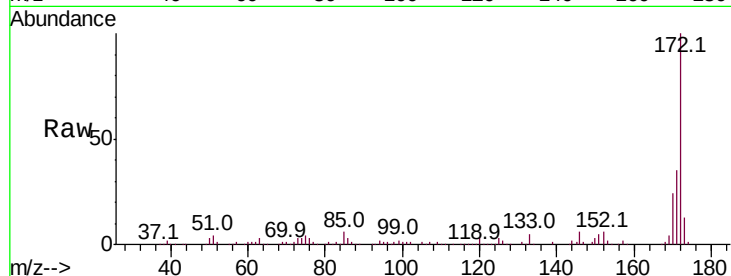




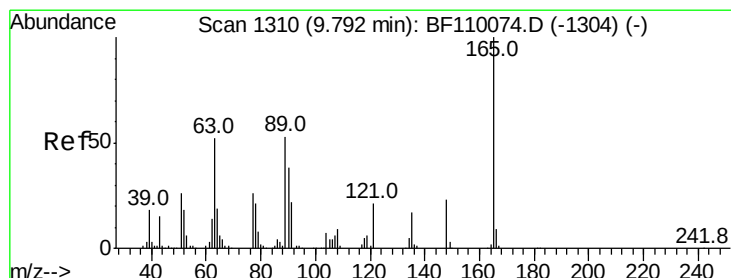
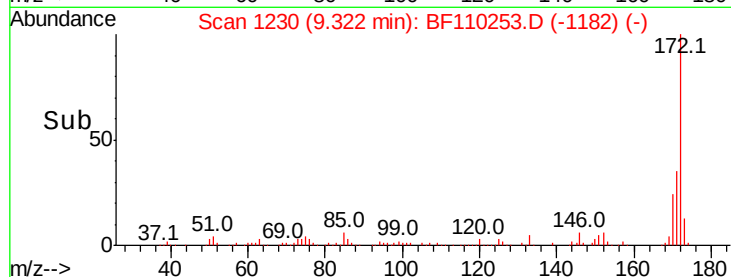
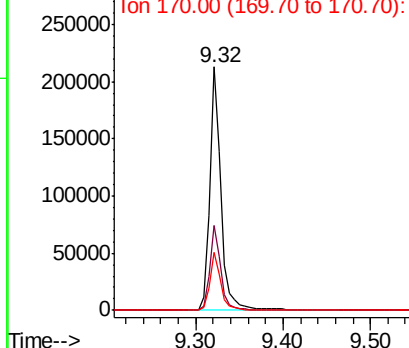
#45
 2-Fluorobiphenyl
 Concen: 14.418 ng
 RT: 9.32 min Scan# 1230
 Delta R.T. -0.02 min
 Lab File: BF110253.D
 Acq: 29 Oct 2018 11:04

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 188939
 Ion Ratio Lower Upper
 172 100
 171 34.6 28.6 43.0
 170 23.6 19.7 29.5

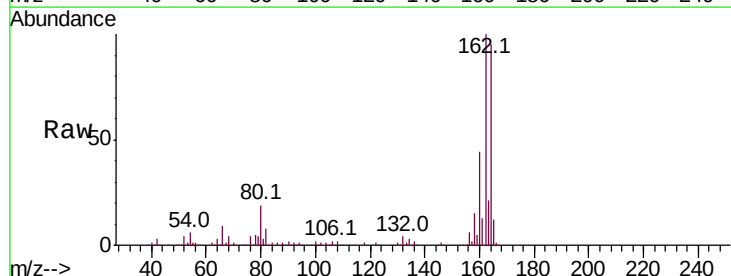


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

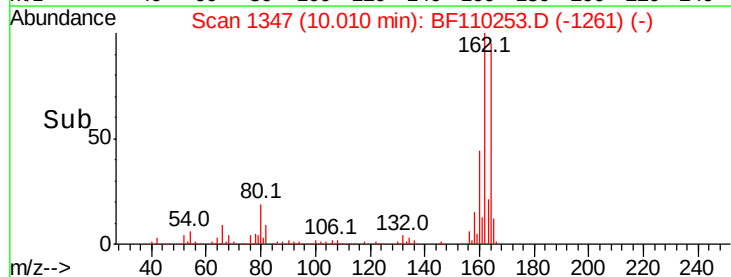
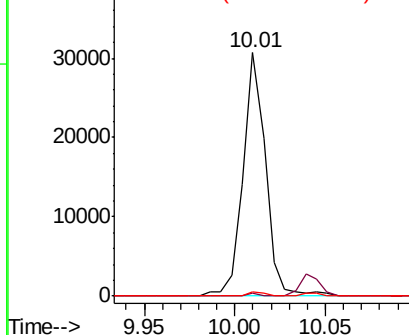


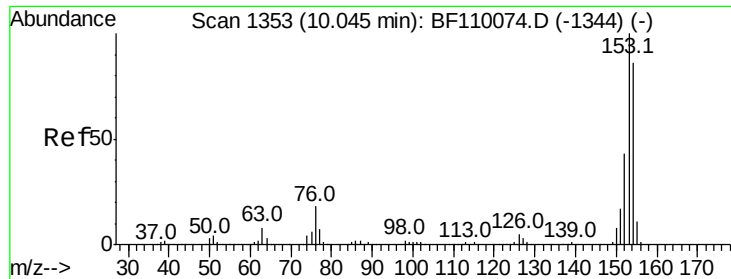
#51
 2,6-Dinitrotoluene
 Concen: 8.122 ng
 RT: 10.01 min Scan# 1347
 Delta R.T. 0.21 min
 Lab File: BF110253.D
 Acq: 29 Oct 2018 11:04

Tgt Ion:165 Resp: 26574
 Ion Ratio Lower Upper
 165 100
 63 1.4 48.9 73.3#
 89 1.5 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





#52

Acenaphthene

Concen: 2.180 ng

RT: 10.05 min Scan# 1353

Delta R.T. -0.02 min

Lab File: BF110253.D

Acq: 29 Oct 2018 11:04

Instrument :

BNA_F

ClientSampleId :

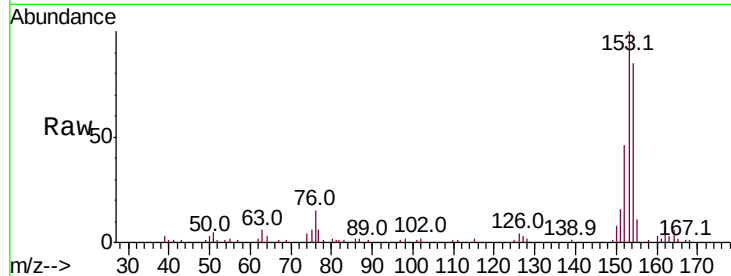
Tot Ion:154 Resp: 28436

Ion Ratio Lower Upper

154 100

153 118.1 90.1 135.1

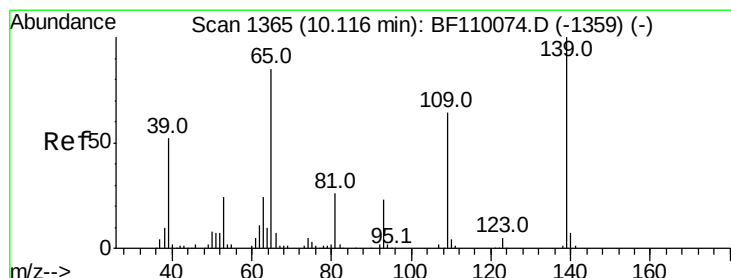
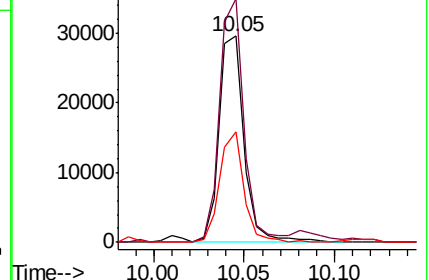
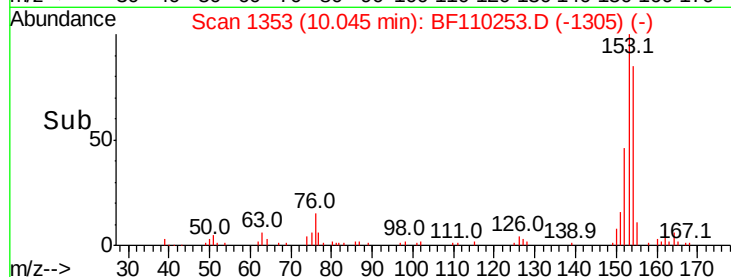
152 53.9 43.4 65.2



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#56

4-Nitrophenol

Concen: 2.543 ng

RT: 10.22 min Scan# 1382

Delta R.T. 0.09 min

Lab File: BF110253.D

Acq: 29 Oct 2018 11:04

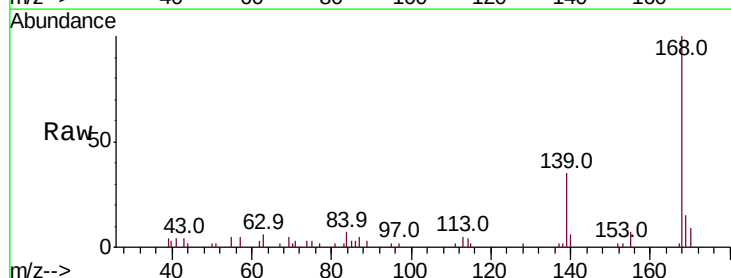
Tgt Ion:139 Resp: 7323

Ion Ratio Lower Upper

139 100

109 0.0 55.8 95.8#

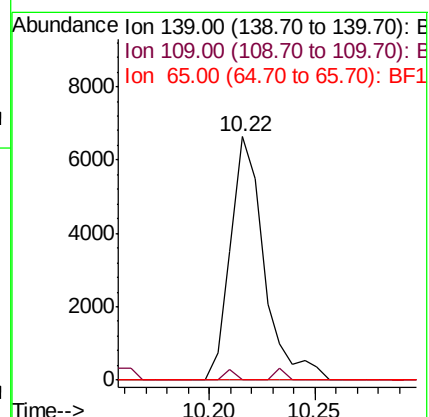
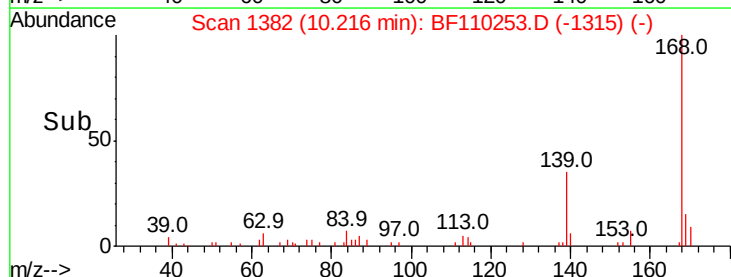
65 0.0 77.9 117.9#

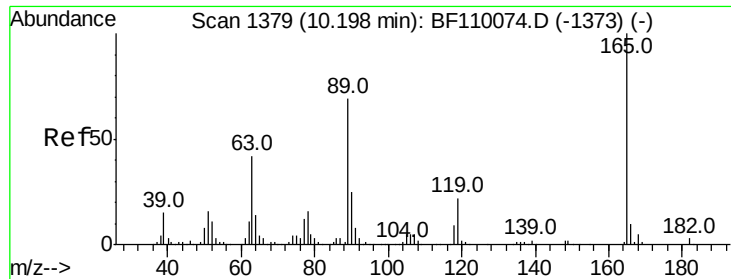


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

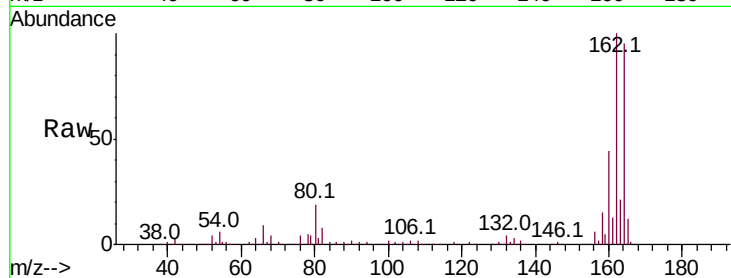




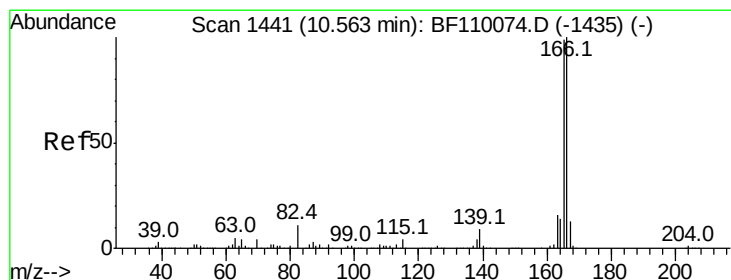
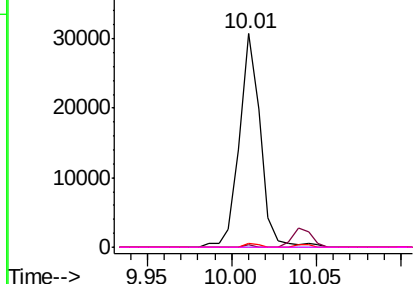
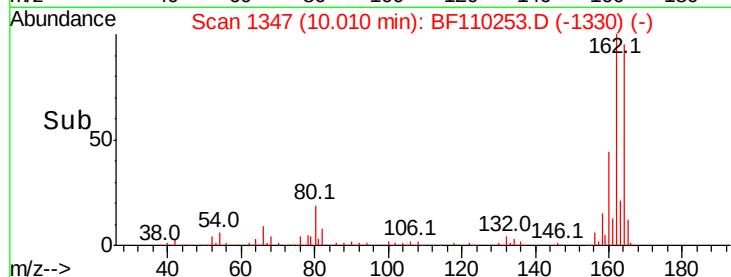
#57
2,4-Dinitrotoluene
Concen: 6.393 ng
RT: 10.01 min Scan# 1347
Delta R.T. -0.20 min
Lab File: BF110253.D
Acq: 29 Oct 2018 11:04

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.4	44.8	67.2#
89	1.5	62.2	93.4#
182	0.0	2.1	3.1#

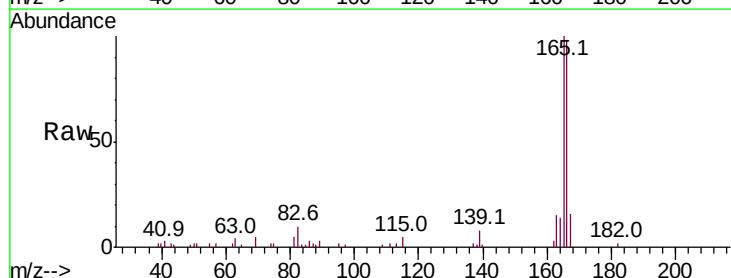


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E

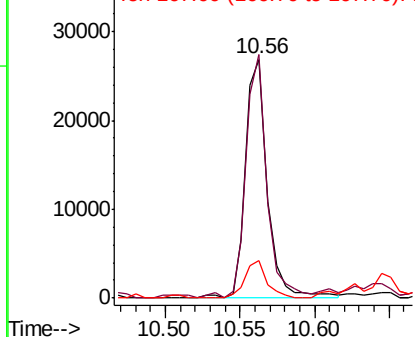
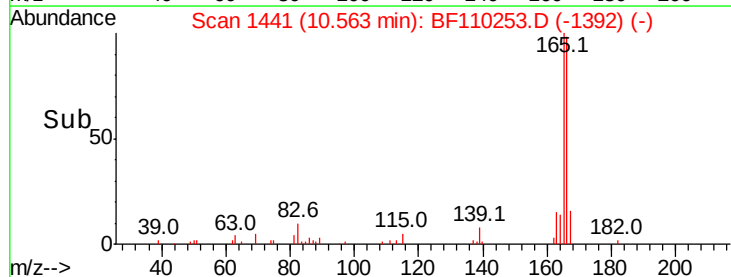


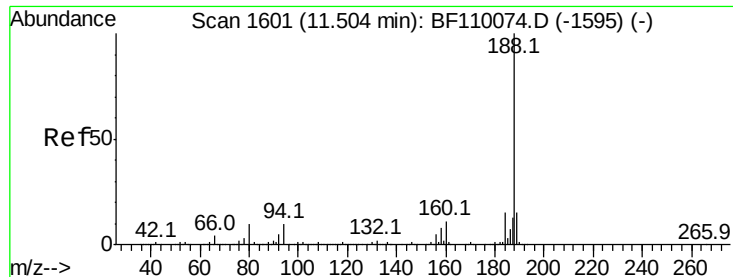
#58
Fluorene
Concen: 2.012 ng
RT: 10.56 min Scan# 1441
Delta R.T. -0.01 min
Lab File: BF110253.D
Acq: 29 Oct 2018 11:04

Tgt Ion	Ratio	Lower	Upper
166	100		
165	101.9	78.6	117.8
167	15.9	10.8	16.2



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.50 min Scan# 1601

Delta R.T. -0.01 min

Lab File: BF110253.D

Acq: 29 Oct 2018 11:04

Instrument :

BNA_F

ClientSampled :

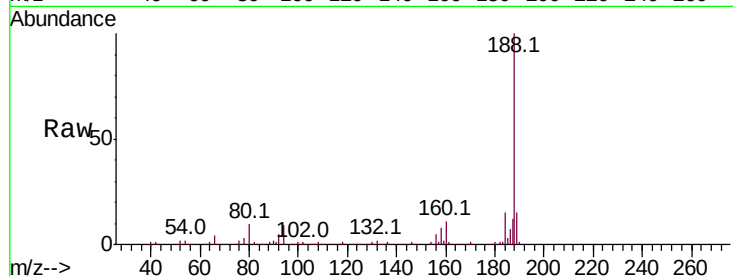
Tot Ion:188 Resp: 305635

Ion Ratio Lower Upper

188 100

94 9.0 7.2 10.8

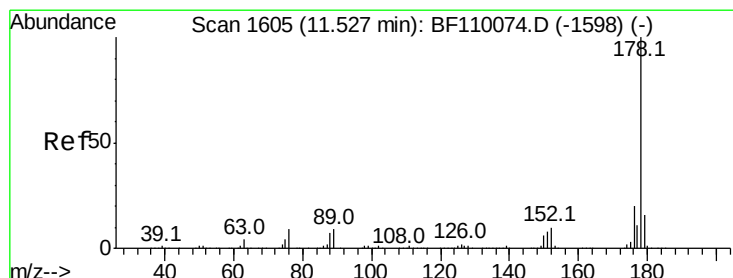
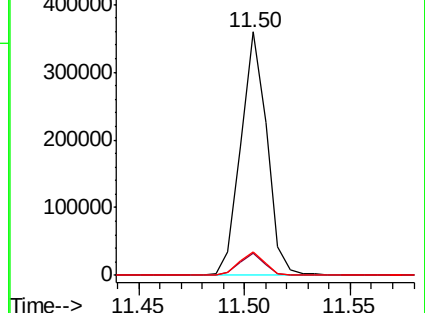
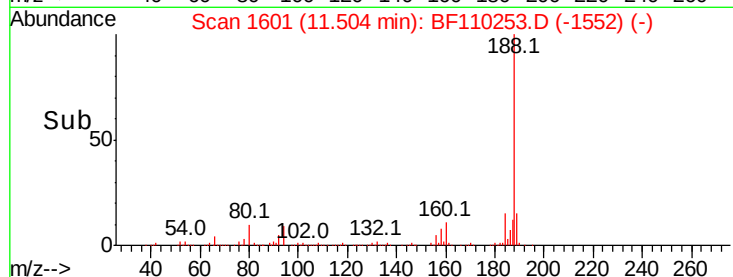
80 9.9 7.9 11.9



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



#71

Phenanthrene

Concen: 13.319 ng

RT: 11.53 min Scan# 1605

Delta R.T. -0.02 min

Lab File: BF110253.D

Acq: 29 Oct 2018 11:04

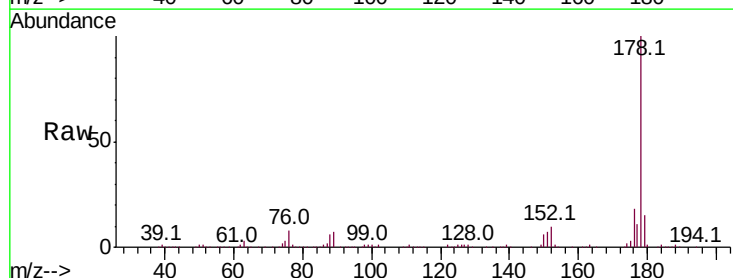
Tgt Ion:178 Resp: 212998

Ion Ratio Lower Upper

178 100

176 18.3 15.5 23.3

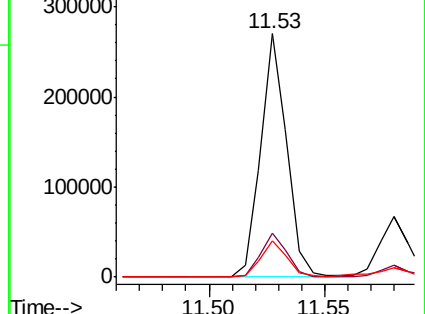
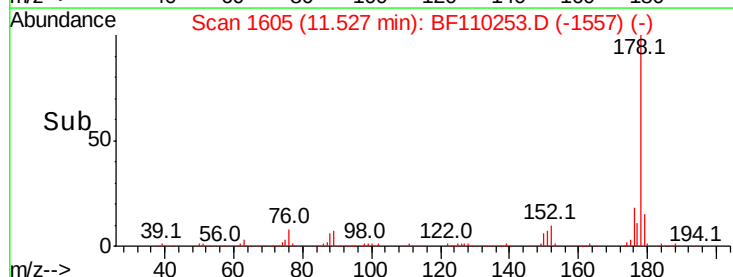
179 15.1 12.5 18.7

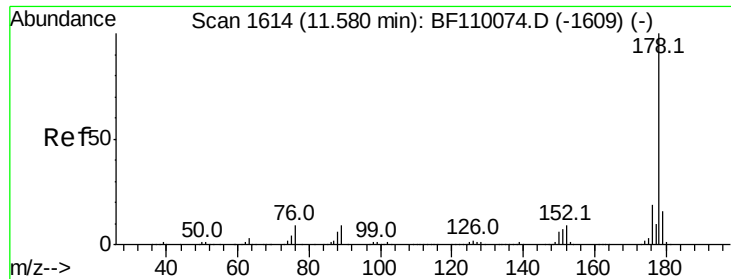


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 3.787 ng

RT: 11.58 min Scan# 1614

Delta R.T. -0.02 min

Lab File: BF110253.D

Acq: 29 Oct 2018 11:04

Instrument :

BNA_F

ClientSampleId :

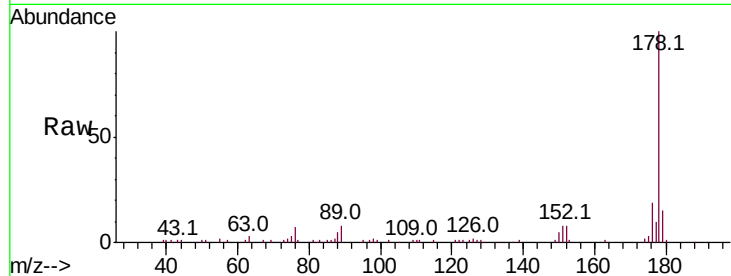
Tot Ion:178 Resp: 60700

Ion Ratio Lower Upper

178 100

176 19.0 15.4 23.2

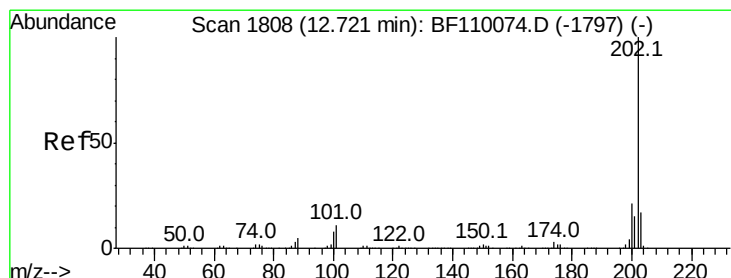
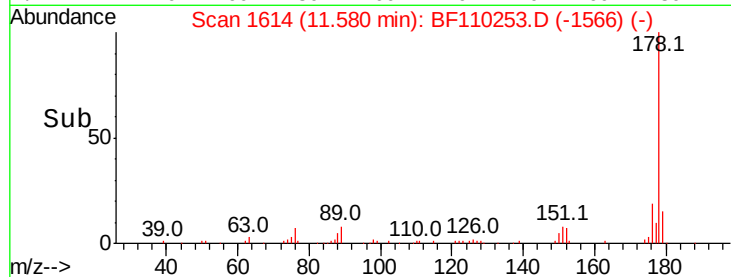
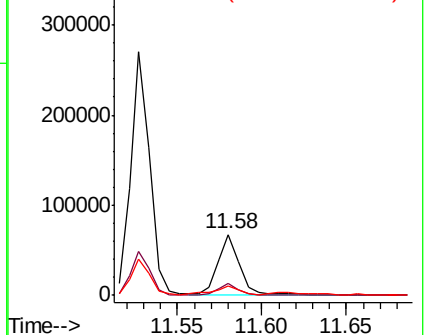
179 15.5 12.6 18.8



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: 18.441 ng

RT: 12.72 min Scan# 1808

Delta R.T. -0.01 min

Lab File: BF110253.D

Acq: 29 Oct 2018 11:04

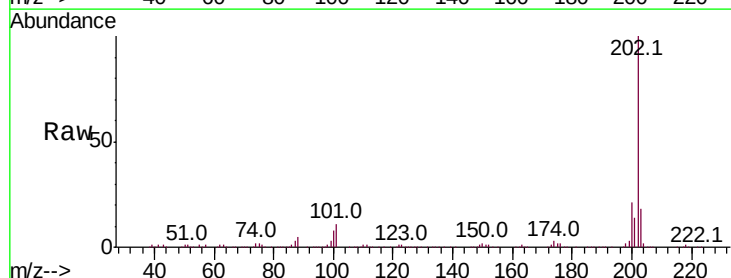
Tgt Ion:202 Resp: 299301

Ion Ratio Lower Upper

202 100

101 11.0 0.0 31.4

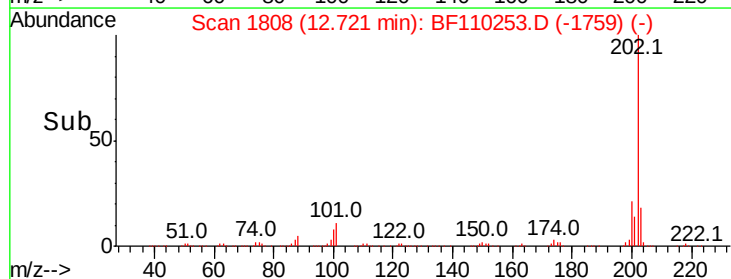
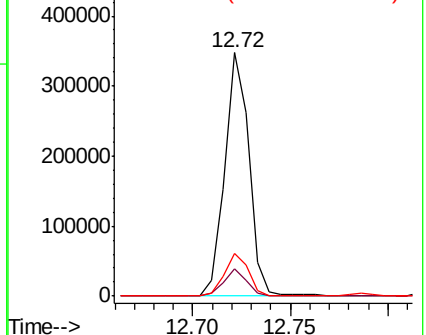
203 17.6 0.0 37.7

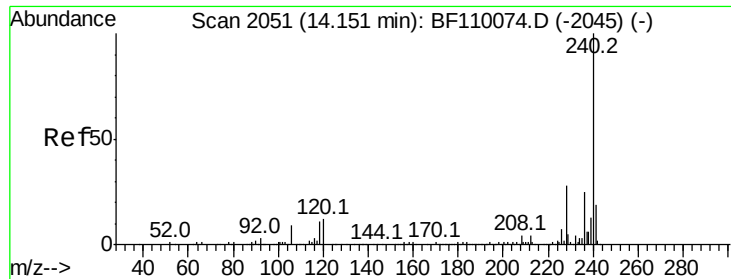


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

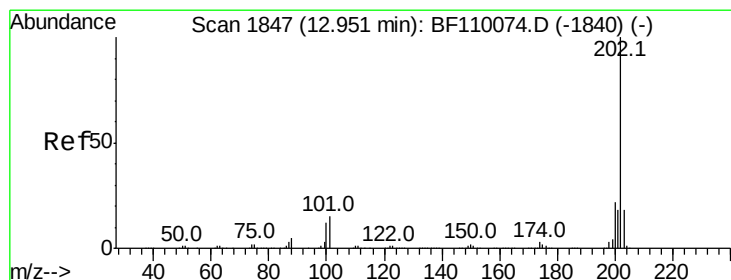
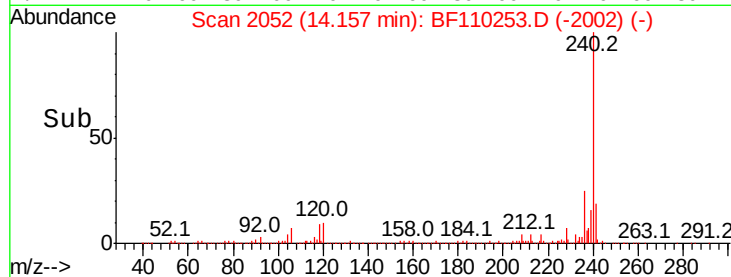
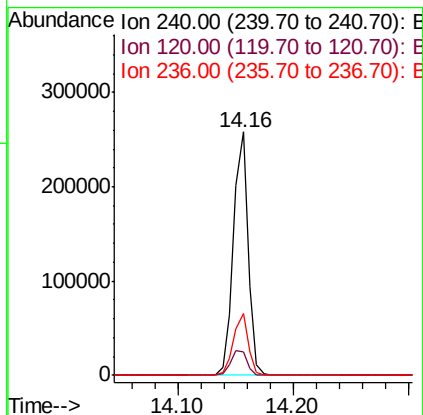
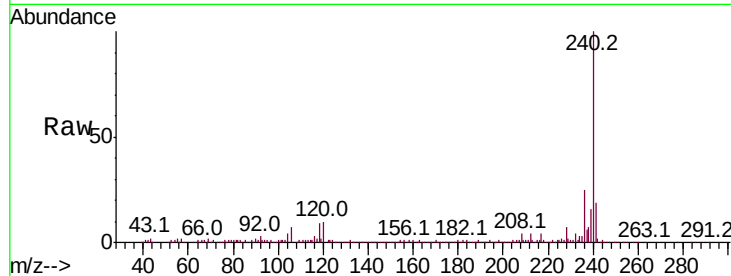




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.16 min Scan# 2052
Delta R.T. -0.01 min
Lab File: BF110253.D
Acq: 29 Oct 2018 11:04

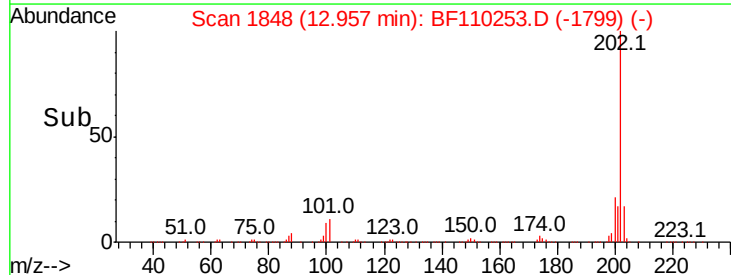
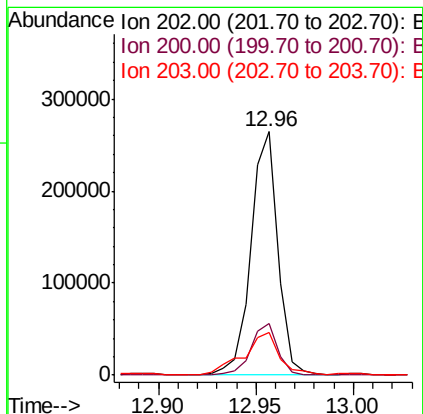
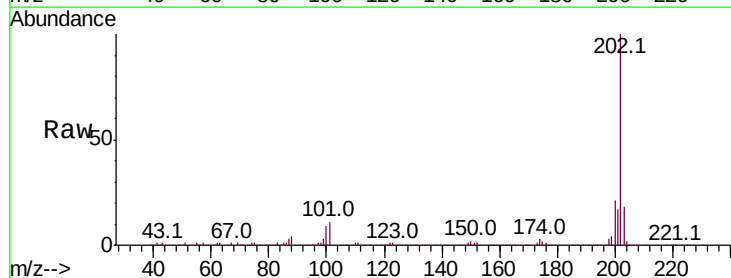
Instrument :
BNA_F
ClientSampleId :

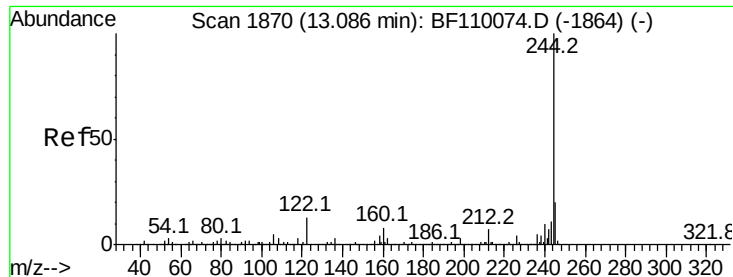
Tot Ion	Ratio	Lower	Upper
240	100		
120	9.8	8.3	12.5
236	25.2	21.2	31.8



#78
Pyrene
Concen: 15.482 ng
RT: 12.96 min Scan# 1848
Delta R.T. -0.01 min
Lab File: BF110253.D
Acq: 29 Oct 2018 11:04

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.8	26.6
203	17.7	14.2	21.4

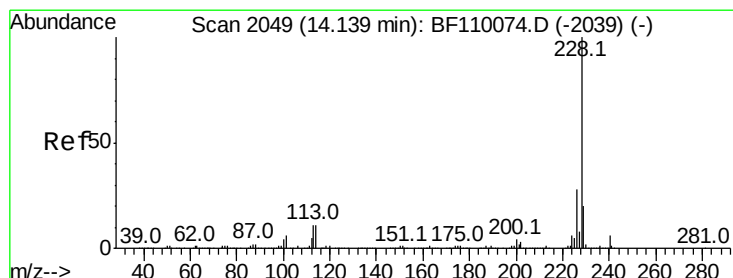
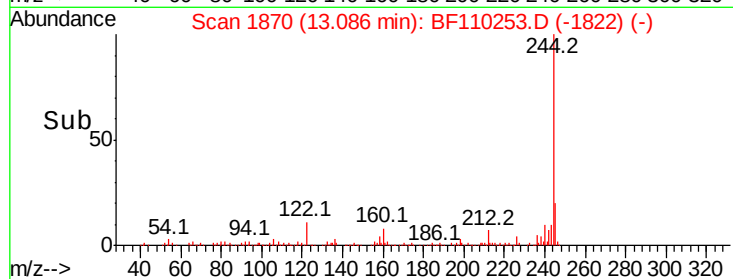
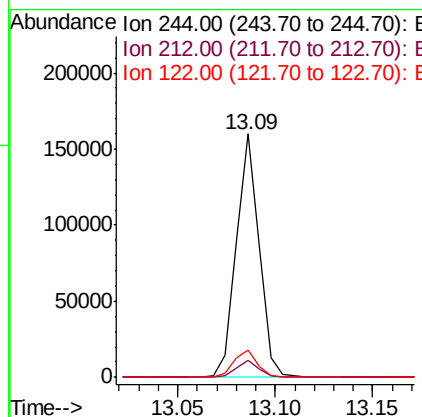
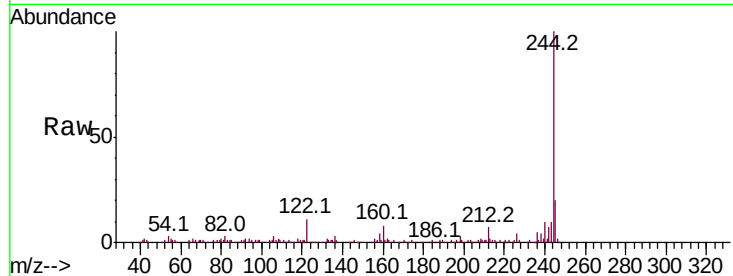




#79
 Terphenyl-d14
 Concen: 11.746 ng
 RT: 13.09 min Scan# 1870
 Delta R.T. -0.02 min
 Lab File: BF110253.D
 Acq: 29 Oct 2018 11:04

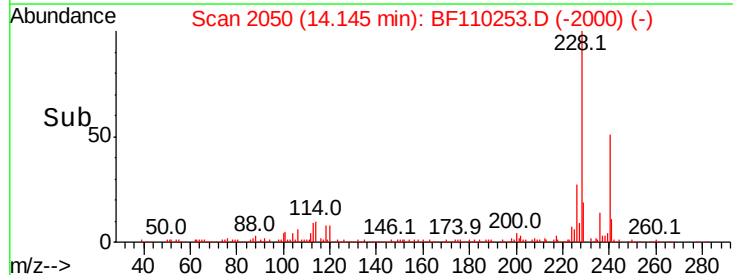
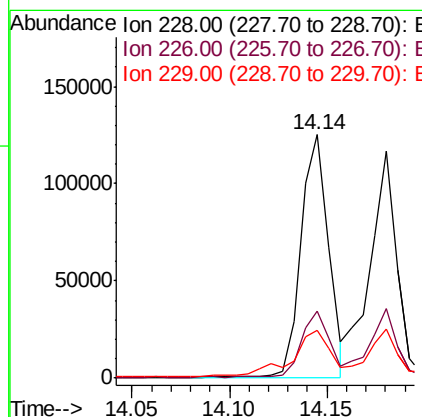
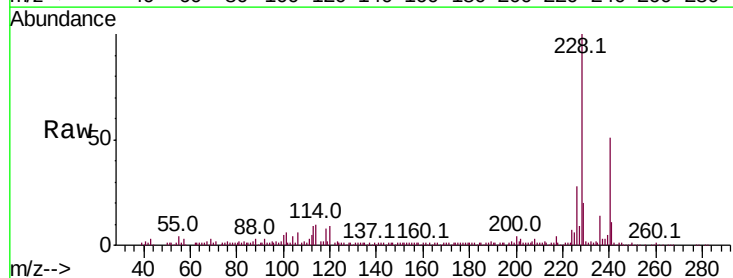
Instrument :
 BNA_F
 ClientSampleId :

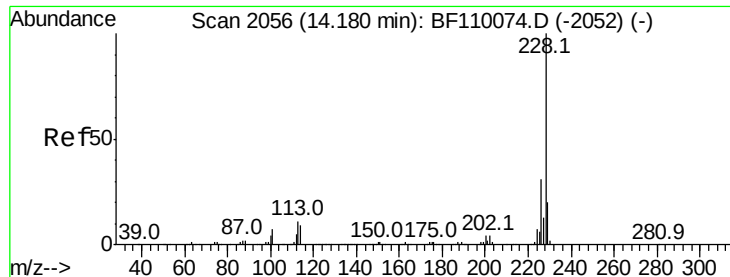
Tot Ion:244 Resp: 129324
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.8 8.8
 122 11.1 8.7 13.1



#81
 Benzo(a)anthracene
 Concen: 9.015 ng
 RT: 14.14 min Scan# 2050
 Delta R.T. -0.01 min
 Lab File: BF110253.D
 Acq: 29 Oct 2018 11:04

Tgt Ion:228 Resp: 122411
 Ion Ratio Lower Upper
 228 100
 226 27.5 22.1 33.1
 229 19.9 15.6 23.4





#83

Chrysene

Concen: 8.004 ng

RT: 14.18 min Scan# 2056

Delta R.T. -0.01 min

Lab File: BF110253.D

Acq: 29 Oct 2018 11:04

Instrument :

BNA_F

ClientSampleId :

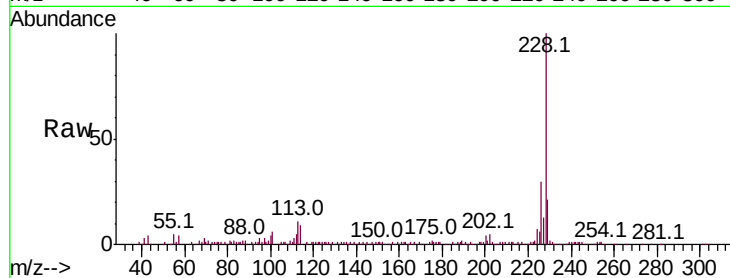
Tot Ion:228 Resp: 103231

Ion Ratio Lower Upper

228 100

226 30.4 24.7 37.1

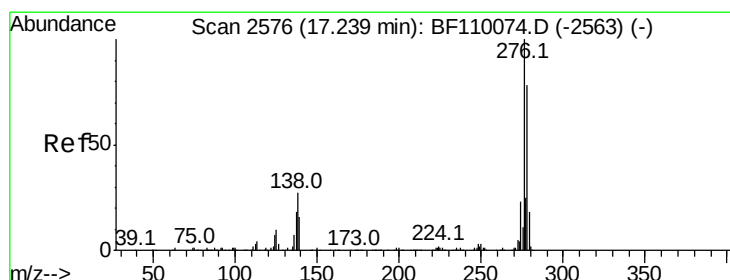
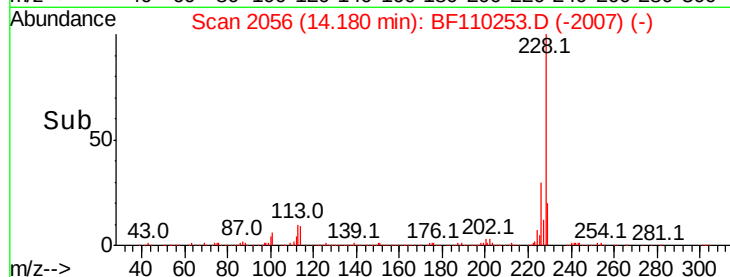
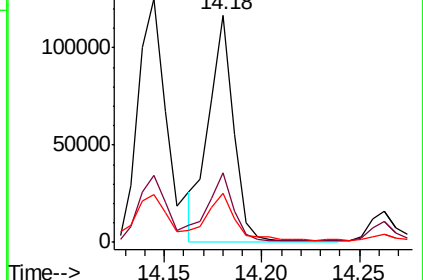
229 21.3 15.9 23.9



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



#86

Indeno(1,2,3-cd)pyrene

Concen: 4.216 ng

RT: 17.26 min Scan# 2579

Delta R.T. -0.01 min

Lab File: BF110253.D

Acq: 29 Oct 2018 11:04

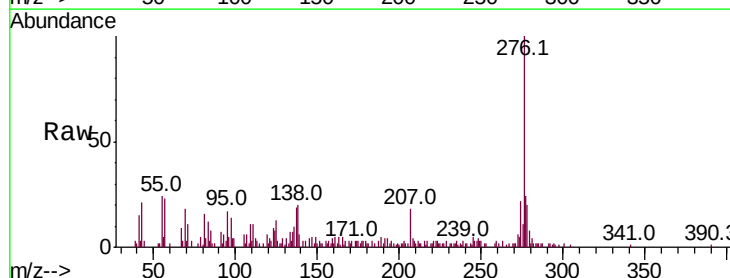
Tgt Ion:276 Resp: 45109

Ion Ratio Lower Upper

276 100

138 22.6 18.5 27.7

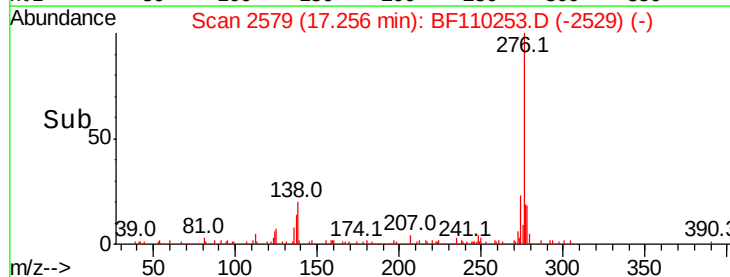
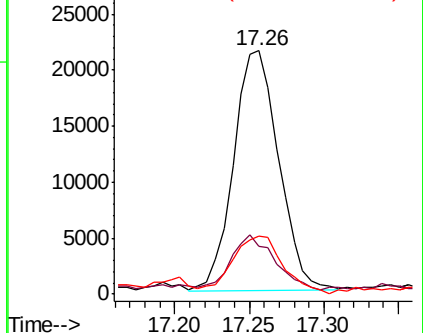
277 27.3 20.0 30.0

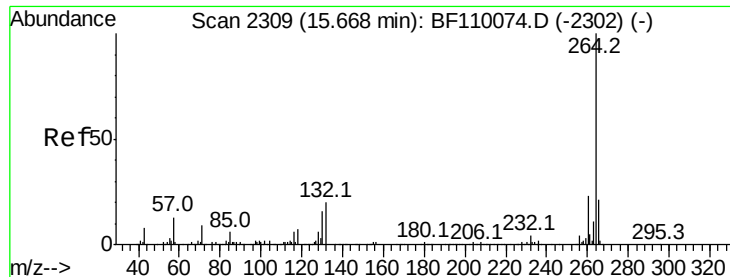


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.69 min Scan# 2312

Delta R.T. -0.01 min

Lab File: BF110253.D

Acq: 29 Oct 2018 11:04

Instrument :

BNA_F

ClientSampleId :

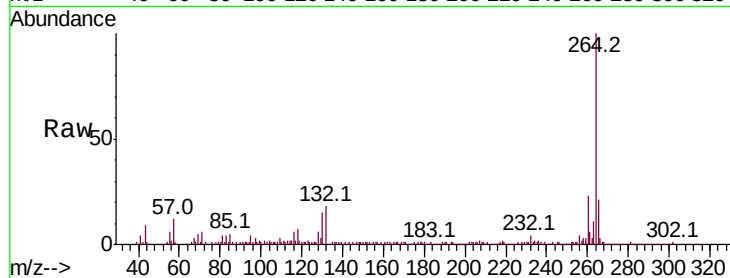
Tot Ion:264 Resp: 193825

Ion Ratio Lower Upper

264 100

260 22.8 18.7 28.1

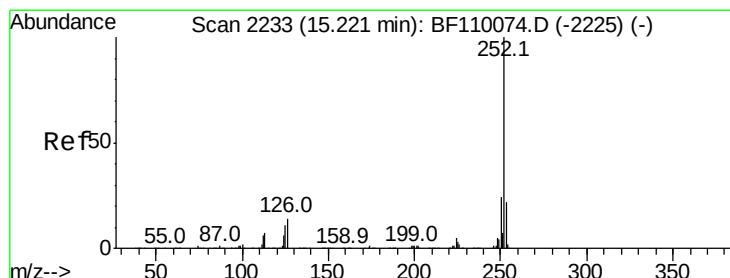
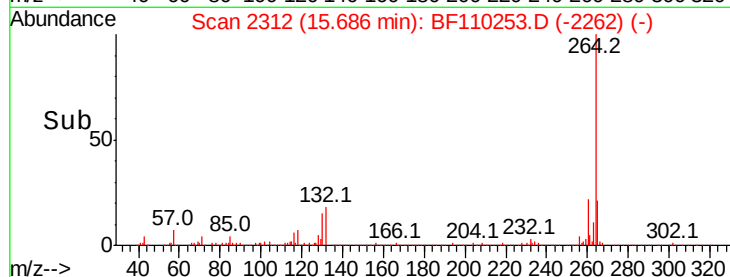
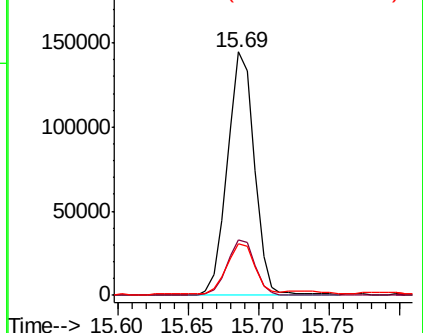
265 21.2 16.7 25.1



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: 14.742 ng

RT: 15.23 min Scan# 2234

Delta R.T. -0.01 min

Lab File: BF110253.D

Acq: 29 Oct 2018 11:04

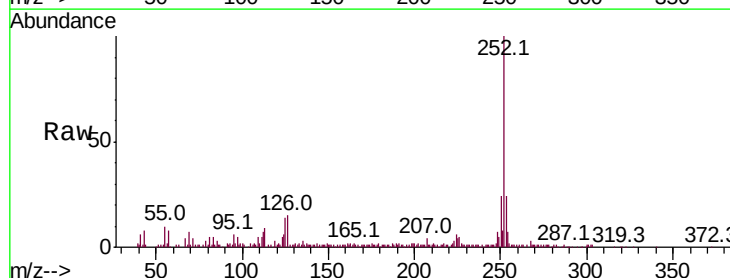
Tgt Ion:252 Resp: 164999

Ion Ratio Lower Upper

252 100

253 24.2 17.2 25.8

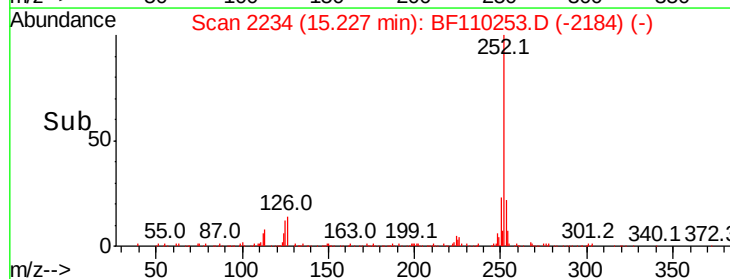
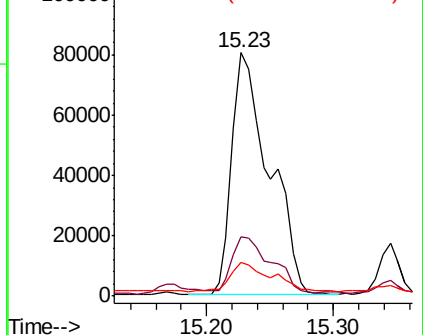
125 13.9 8.2 12.4#

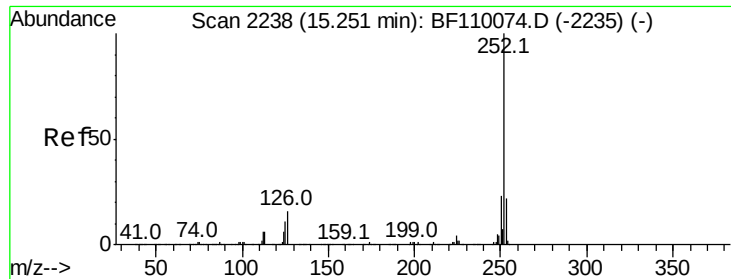


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

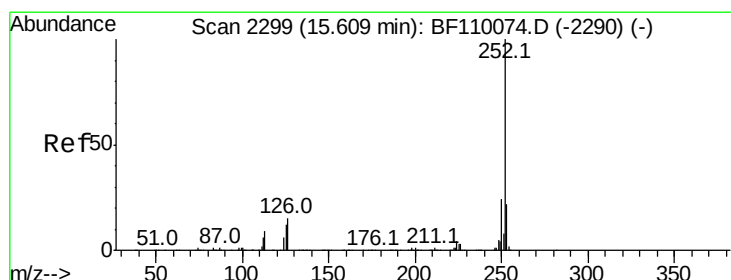
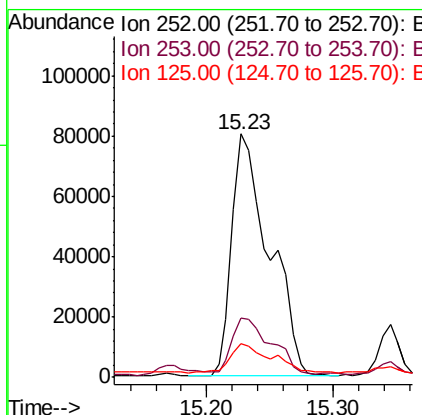
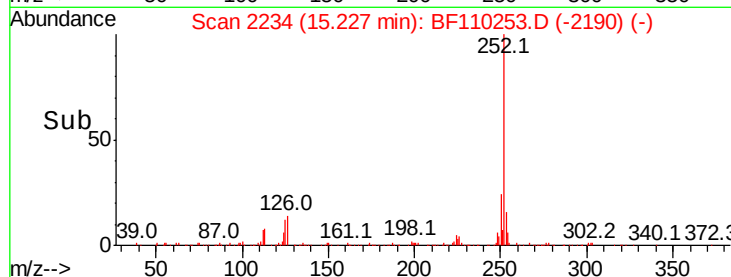
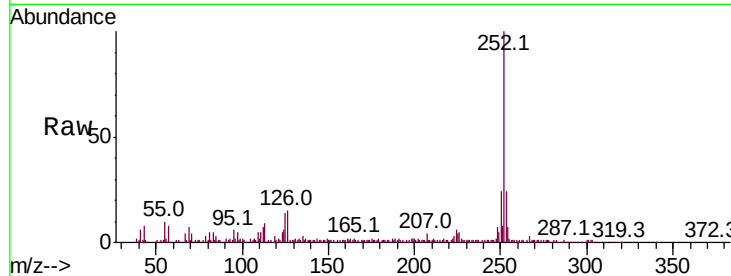




#89
Benzo(k)fluoranthene
Concen: 14.995 ng
RT: 15.23 min Scan# 2234
Delta R.T. -0.04 min
Lab File: BF110253.D
Acq: 29 Oct 2018 11:04

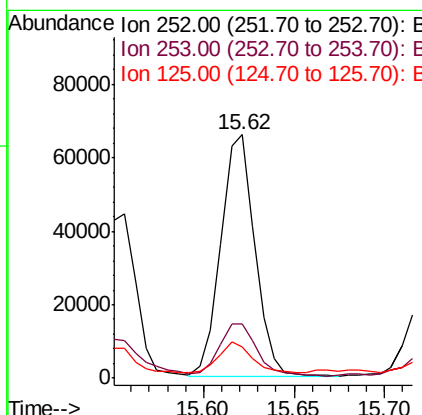
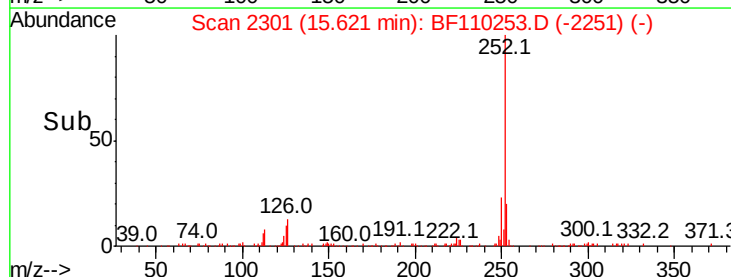
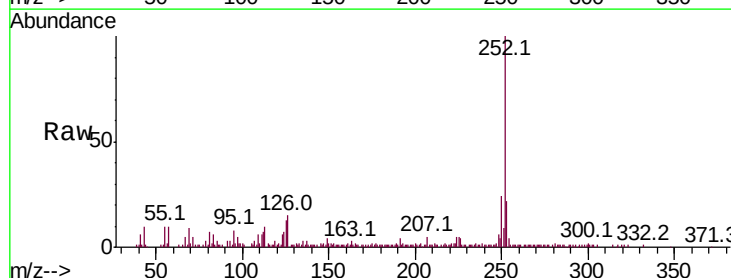
Instrument :
BNA_F
ClientSampleId :

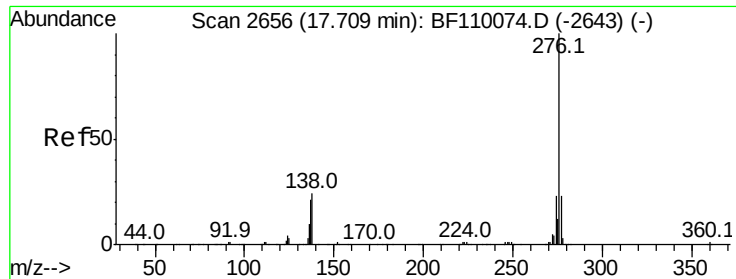
Tot Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.2	25.8
125	13.9	7.4	11.0



#90
Benzo(a)pyrene
Concen: 8.359 ng
RT: 15.62 min Scan# 2301
Delta R.T. -0.01 min
Lab File: BF110253.D
Acq: 29 Oct 2018 11:04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	18.2	27.4
125	12.6	9.0	13.6





#92
 Benzo(a,h,i)perylene
 Concen: 5.050 ng
 RT: 17.73 min Scan# 2660
 Delta R.T. -0.01 min
 Lab File: BF110253.D
 Acq: 29 Oct 2018 11:04

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.1	18.8	28.2
138	22.4	16.0	24.0

