

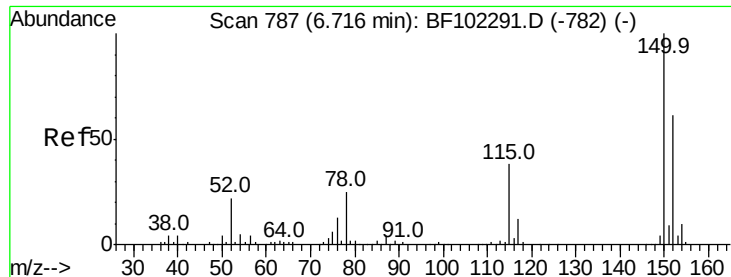
Data Path : U:\HPCHEM1\BNA F\DATA\BF013018\
 Data File : BF102653.D
 Acq On : 30 Jan 2018 21:30
 Operator : SJ/JU
 Sample : J1019-13 5X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 31 02:29:27 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jan 27 20:48:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	156414	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	643561	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	275764	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	413342	20.00	ng	0.00
75) Chrysene-d12	13.88	240	295186	20.00	ng	0.00
86) Perylene-d12	15.31	264	252859	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	275585	26.71	ng	0.00
7) Phenol-d6	6.36	99	335721	26.99	ng	0.00
23) Nitrobenzene-d5	7.28	82	195932	17.50	ng	0.00
41) 2,4,6-Tribromophenol	10.55	330	50493	18.48	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	389901	20.79	ng	0.00
78) Terphenyl-d14	12.82	244	259685	19.83	ng	0.00
Target Compounds						
25) Isophorone	7.28	82	194944	9.764	ng	# 64
56) 2,4-Dinitrotoluene	9.75	165	39107	6.471	ng	# 24
70) Phenanthrene	11.26	178	48779	2.025	ng	98
74) Fluoranthene	12.45	202	114725	4.671	ng	98
77) Pyrene	12.68	202	110713	4.851	ng	98
80) Benzo(a)anthracene	13.90	228	43934	2.417	ng	95
82) Chrysene	13.90	228	43934	2.381	ng	98
87) Benzo(b)fluoranthene	14.90	252	89100	5.437	ng	# 85
88) Benzo(k)fluoranthene	14.90	252	89100	5.754	ng	# 88
89) Benzo(a)pyrene	15.25	252	49524	3.350	ng	# 88

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

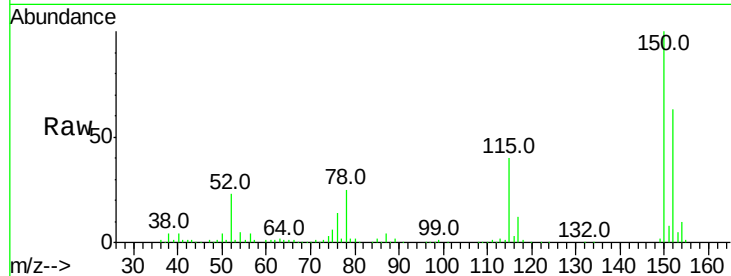


#1

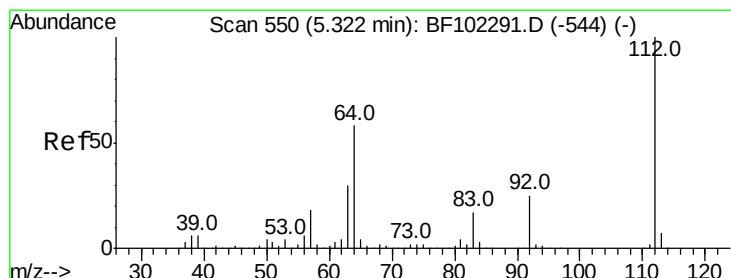
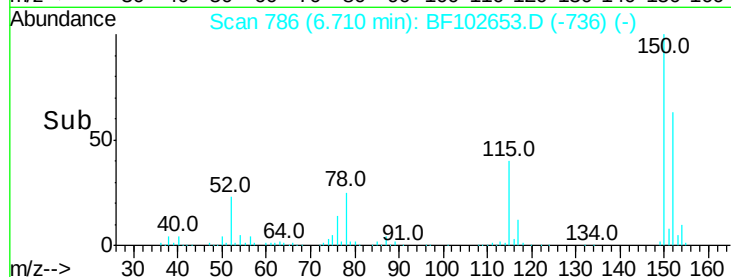
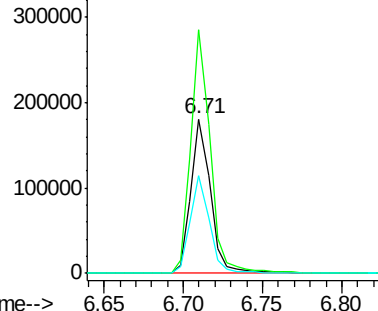
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.71 min Scan# 786
Delta R.T. -0.01 min
Lab File: BF102653.D
Acq: 30 Jan 2018 21:30

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 156414
Ion Ratio Lower Upper
152 100
150 157.5 124.6 186.8
115 63.5 50.1 75.1



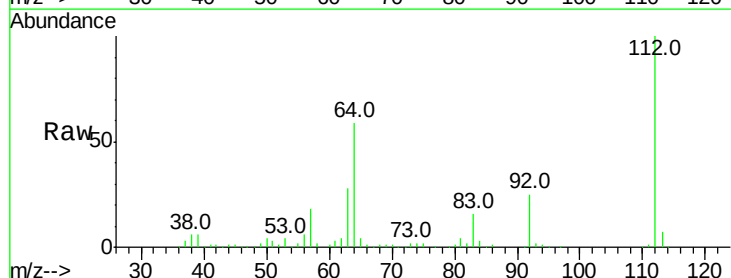
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



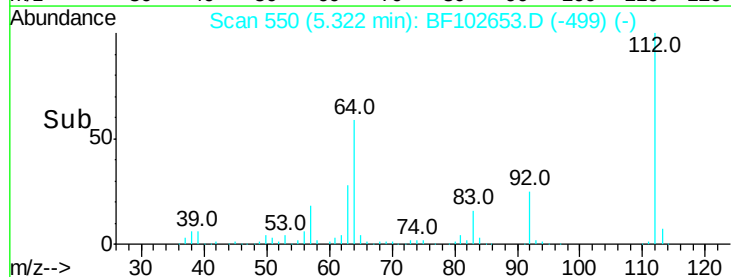
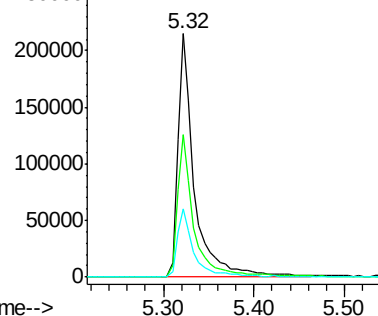
#5

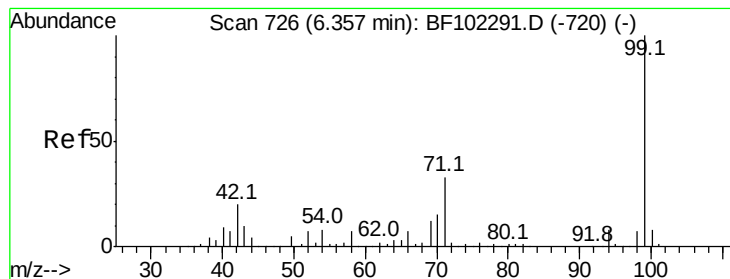
2-Fluorophenol
Concen: 26.715 ng
RT: 5.32 min Scan# 550
Delta R.T. -0.00 min
Lab File: BF102653.D
Acq: 30 Jan 2018 21:30

Tgt Ion:112 Resp: 275585
Ion Ratio Lower Upper
112 100
64 58.6 47.9 71.9
63 28.0 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: 26.995 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF102653.D

Acq: 30 Jan 2018 21:30

Instrument :

BNA_F

ClientSampleId :

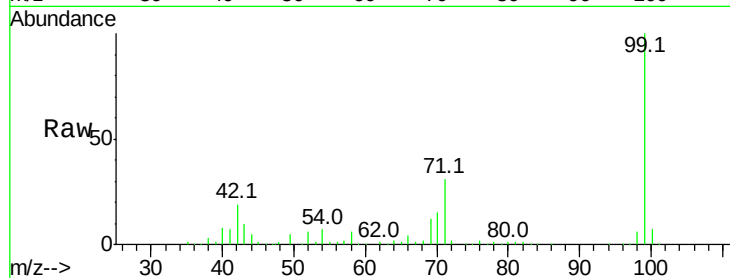
Tot Ion: 99 Resp: 335721

Ion Ratio Lower Upper

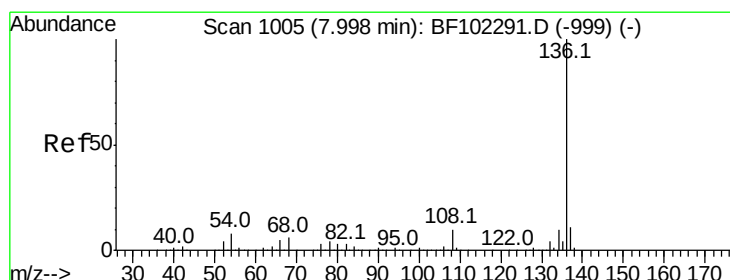
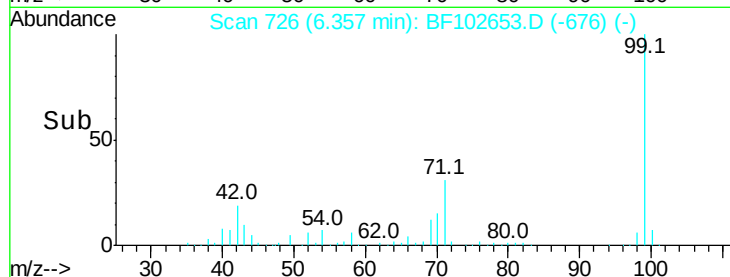
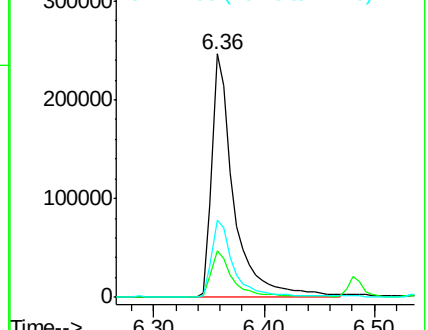
99 100

42 19.3 14.5 21.7

71 31.5 25.4 38.0



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: 7.99 min Scan# 1004

Delta R.T. -0.01 min

Lab File: BF102653.D

Acq: 30 Jan 2018 21:30

Tgt Ion: 136 Resp: 643561

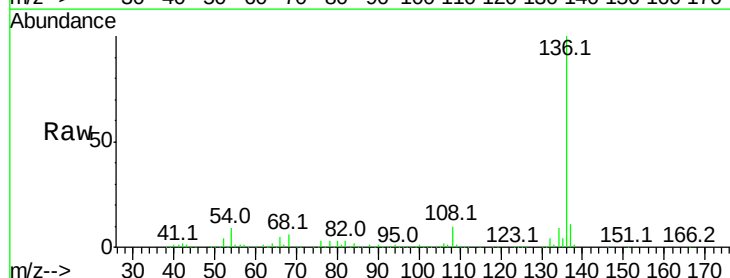
Ion Ratio Lower Upper

136 100

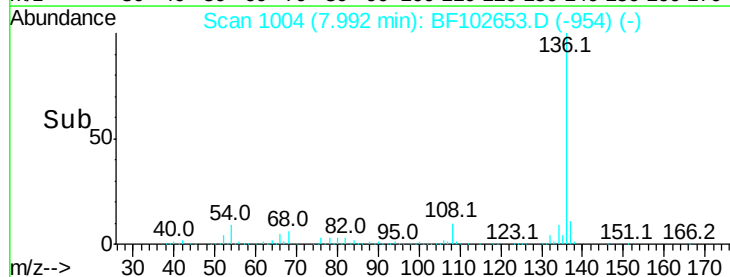
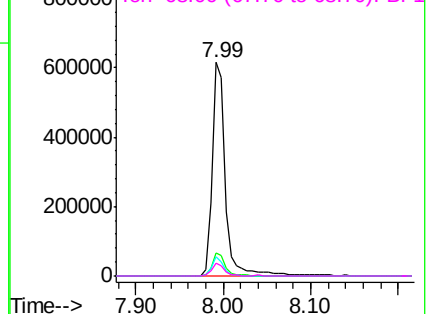
137 11.1 8.9 13.3

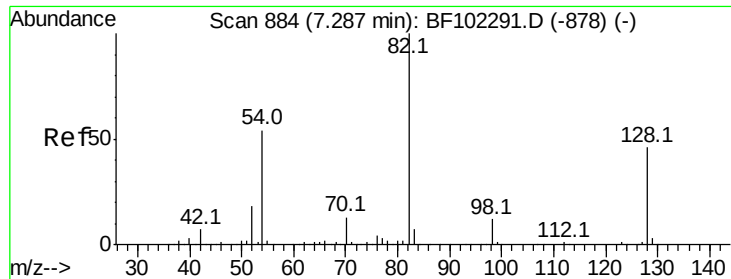
54 8.7 6.6 9.8

68 5.7 5.0 7.4



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

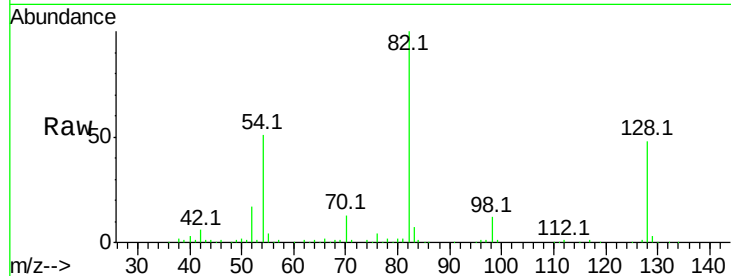




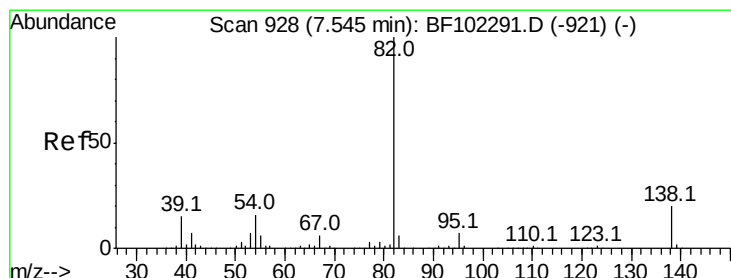
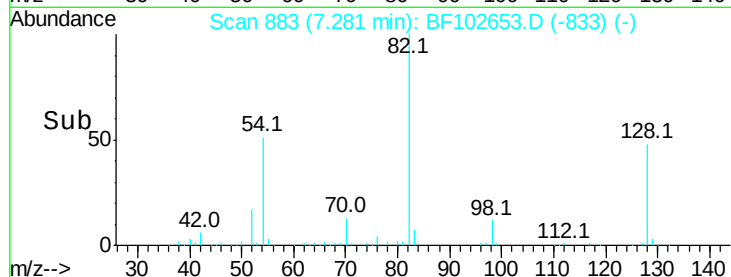
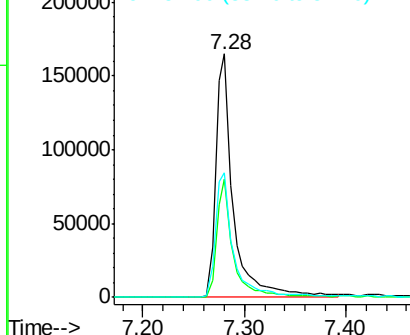
#23
 Nitrobenzene-d5
 Concen: 17.496 ng
 RT: 7.28 min Scan# 883
 Delta R.T. -0.01 min
 Lab File: BF102653.D
 Acq: 30 Jan 2018 21:30

Instrument :
 BNA_F
 ClientSampled :

Tot Ion: 82 Resp: 195932
 Ion Ratio Lower Upper
 82 100
 128 48.3 36.1 54.1
 54 51.0 41.4 62.2

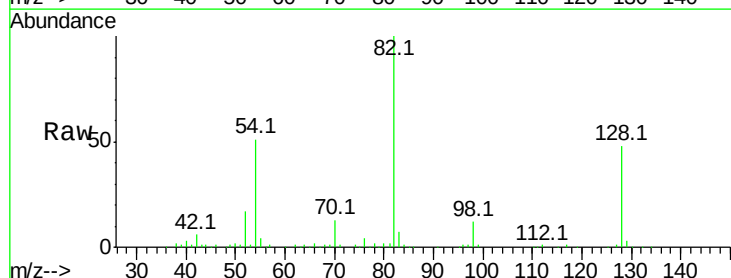


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

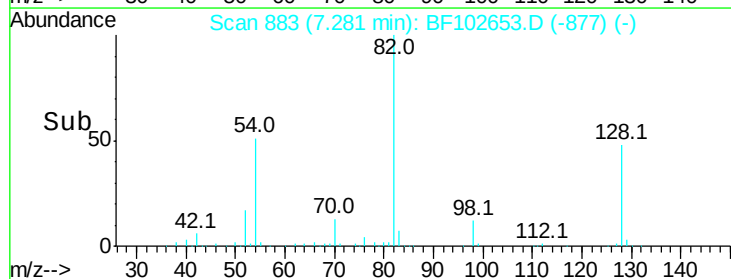
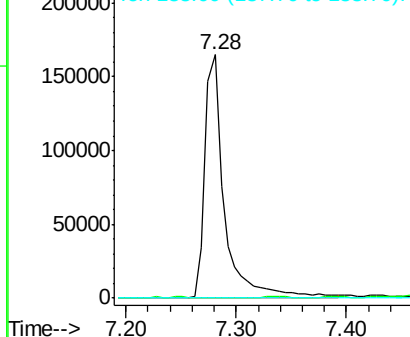


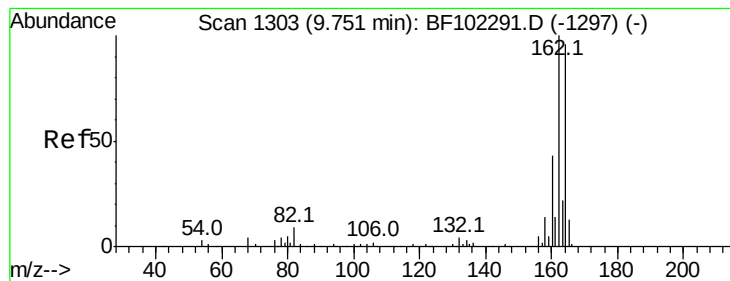
#25
 Isophorone
 Concen: 9.764 ng
 RT: 7.28 min Scan# 883
 Delta R.T. -0.26 min
 Lab File: BF102653.D
 Acq: 30 Jan 2018 21:30

Tgt Ion: 82 Resp: 194944
 Ion Ratio Lower Upper
 82 100
 95 0.2 5.2 7.8#
 138 0.0 14.9 22.3#



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





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.75 min Scan# 1303

Delta R.T. -0.00 min

Lab File: BF102653.D

Acq: 30 Jan 2018 21:30

Instrument :

BNA_F

ClientSampleId :

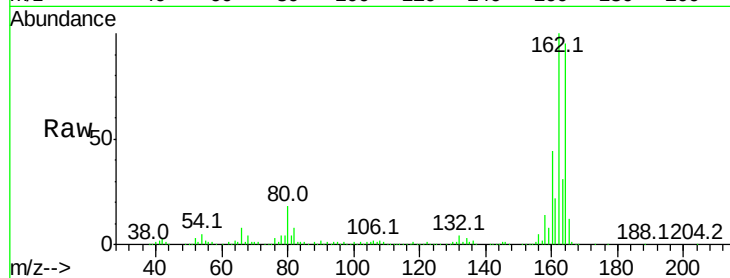
Tot Ion:164 Resp: 275764

Ion Ratio Lower Upper

164 100

162 105.6 86.1 129.1

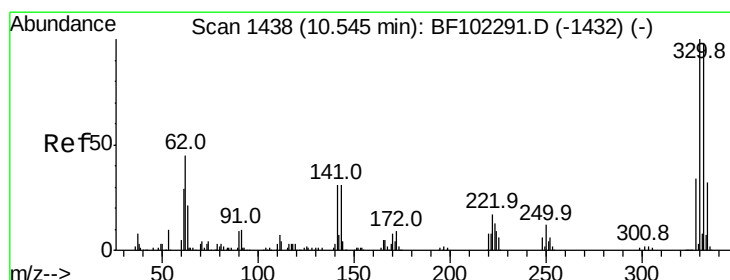
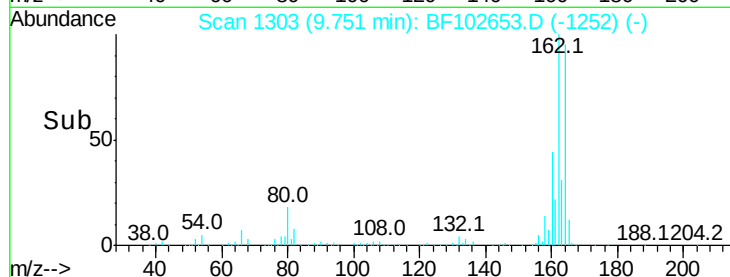
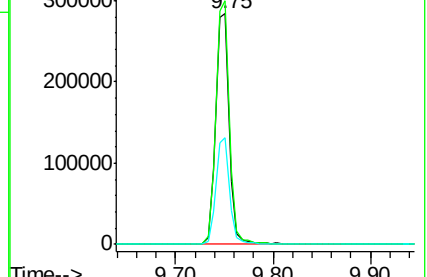
160 46.0 38.3 57.5



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



#41

2,4,6-Tribromophenol

Concen: 18.479 ng

RT: 10.55 min Scan# 1438

Delta R.T. -0.00 min

Lab File: BF102653.D

Acq: 30 Jan 2018 21:30

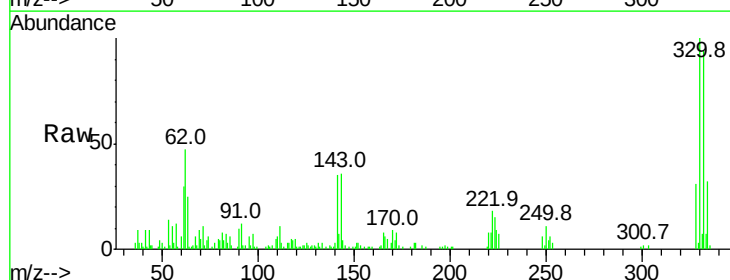
Tgt Ion:330 Resp: 50493

Ion Ratio Lower Upper

330 100

332 94.9 77.0 115.6

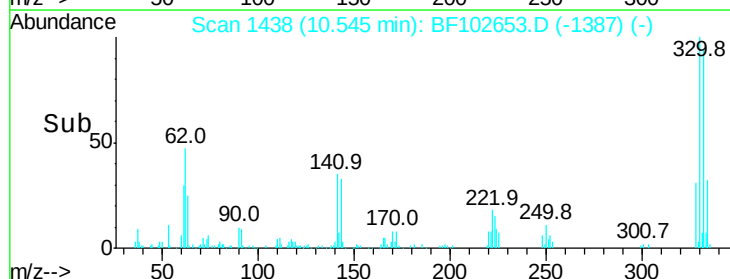
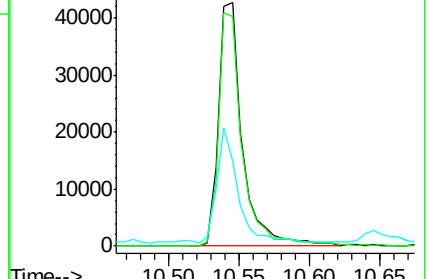
141 42.2 29.9 44.9

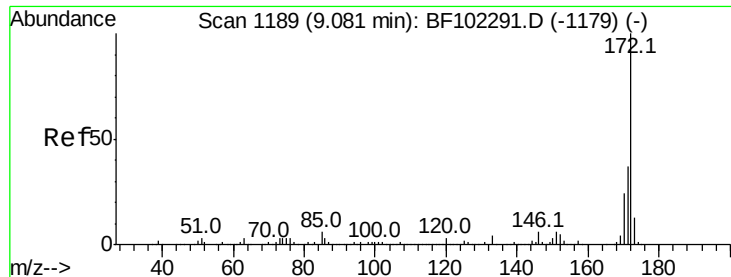


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

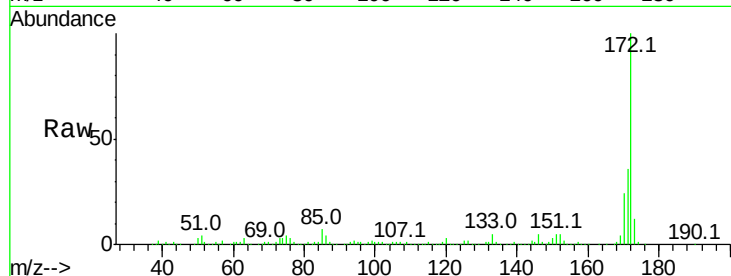




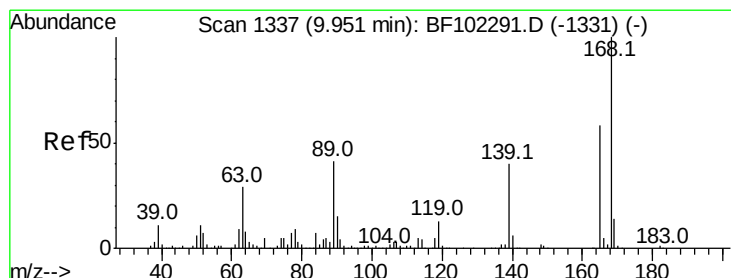
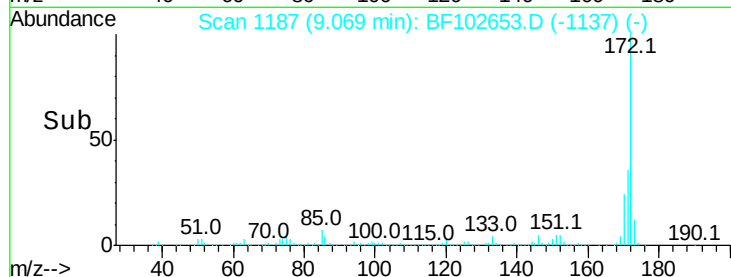
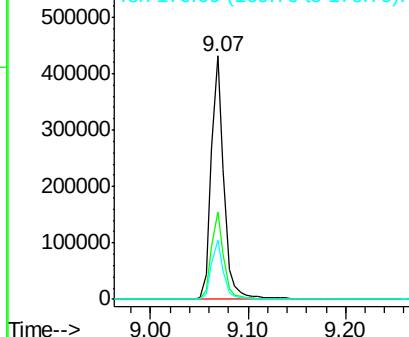
#44
2-Fluorobiphenyl
Concen: 20.789 ng
RT: 9.07 min Scan# 1187
Delta R.T. -0.01 min
Lab File: BF102653.D
Acq: 30 Jan 2018 21:30

Instrument :
BNA_F
ClientSampled :

Tot Ion:172 Resp: 389901
Ion Ratio Lower Upper
172 100
171 35.9 29.7 44.5
170 24.4 19.6 29.4

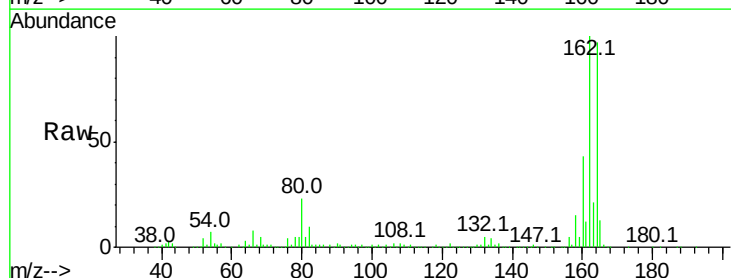


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

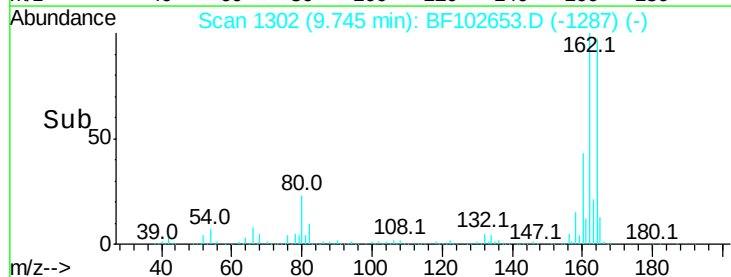
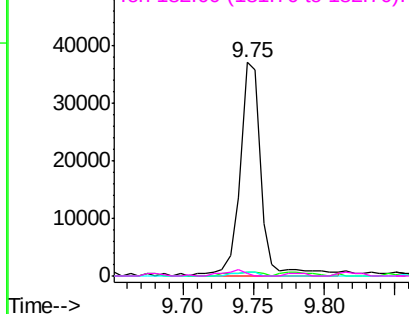


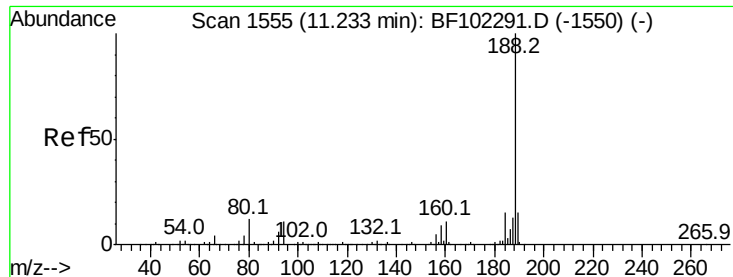
#56
2,4-Dinitrotoluene
Concen: 6.471 ng
RT: 9.75 min Scan# 1302
Delta R.T. -0.21 min
Lab File: BF102653.D
Acq: 30 Jan 2018 21:30

Tgt Ion:165 Resp: 39107
Ion Ratio Lower Upper
165 100
63 1.9 36.4 54.6#
89 1.7 57.8 86.6#
182 1.4 1.6 2.4#



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





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.23 min Scan# 1555

Delta R.T. -0.01 min

Lab File: BF102653.D

Acq: 30 Jan 2018 21:30

Instrument :

BNA_F

ClientSampleId :

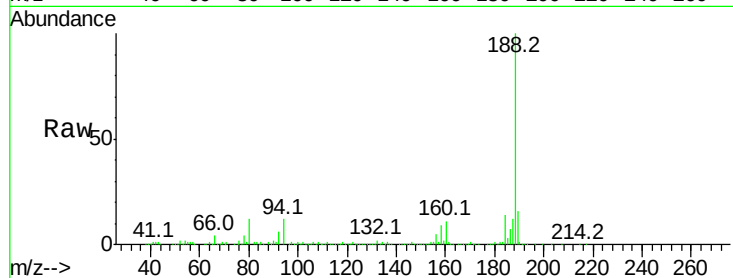
Tot Ion:188 Resp: 413342

Ion Ratio Lower Upper

188 100

94 11.7 8.5 12.7

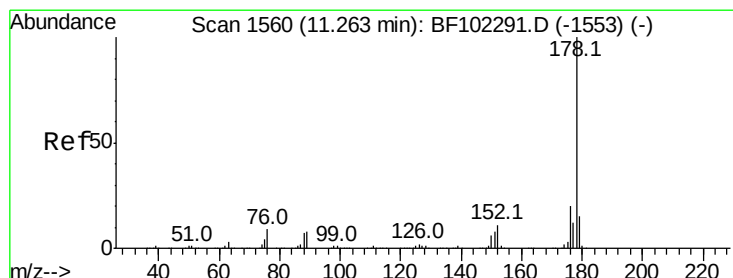
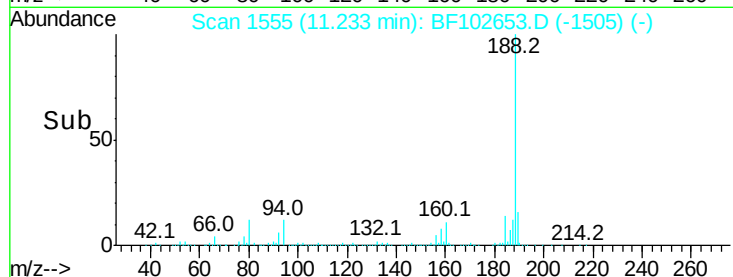
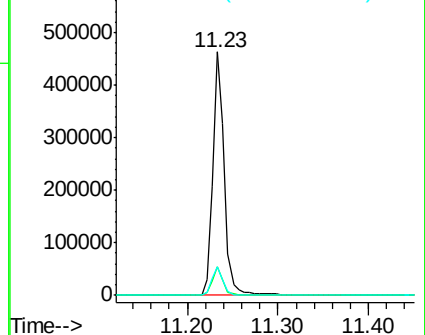
80 12.0 9.2 13.8



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



#70

Phenanthrene

Concen: 2.025 ng

RT: 11.26 min Scan# 1559

Delta R.T. -0.01 min

Lab File: BF102653.D

Acq: 30 Jan 2018 21:30

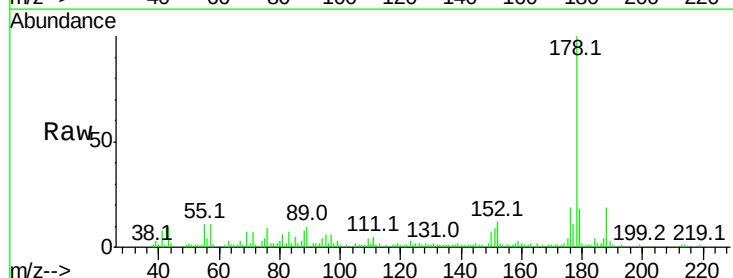
Tgt Ion:178 Resp: 48779

Ion Ratio Lower Upper

178 100

176 19.0 15.8 23.8

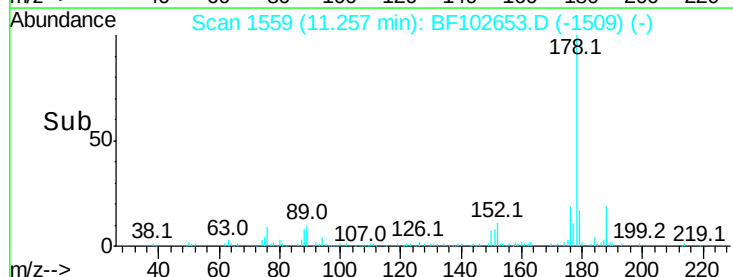
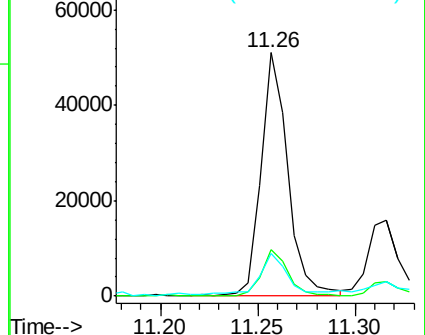
179 17.6 13.0 19.6

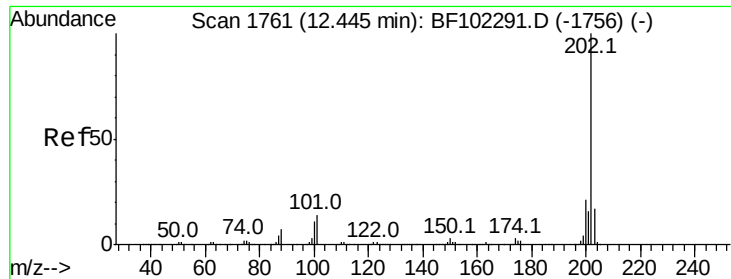


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 4.671 ng

RT: 12.45 min Scan# 1762

Delta R.T. -0.00 min

Lab File: BF102653.D

Acq: 30 Jan 2018 21:30

Instrument :

BNA_F

ClientSampleId :

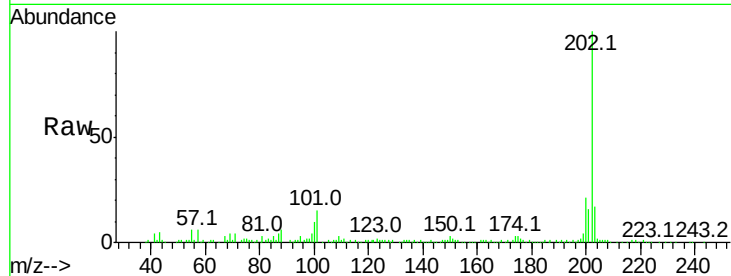
Tot Ion:202 Resp: 114725

Ion Ratio Lower Upper

202 100

101 15.0 0.0 34.1

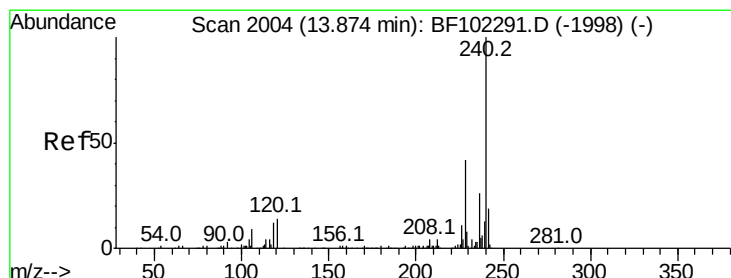
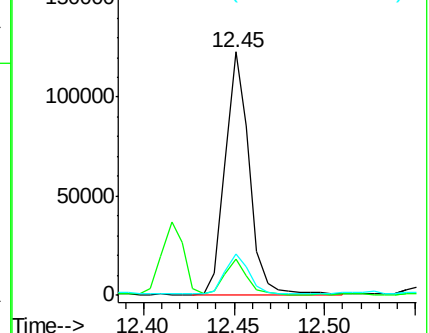
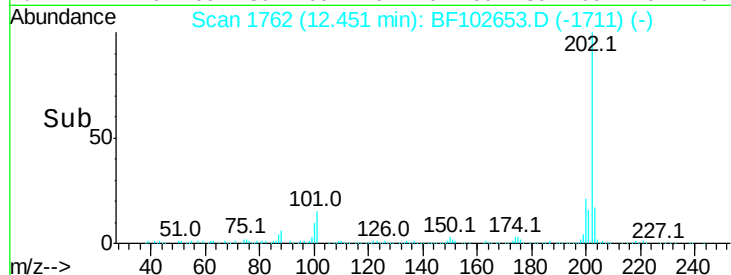
203 17.0 0.0 38.1



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



#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.88 min Scan# 2005

Delta R.T. -0.00 min

Lab File: BF102653.D

Acq: 30 Jan 2018 21:30

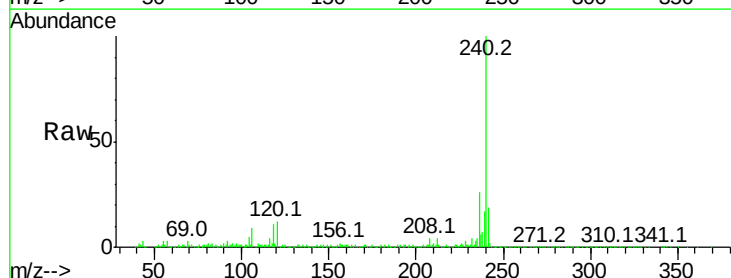
Tgt Ion:240 Resp: 295186

Ion Ratio Lower Upper

240 100

120 12.2 9.5 14.3

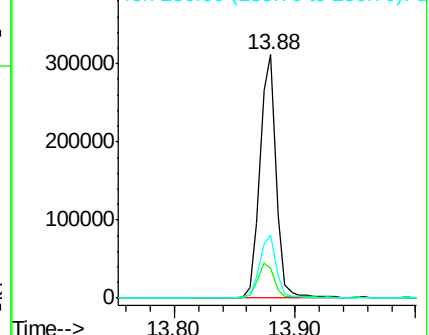
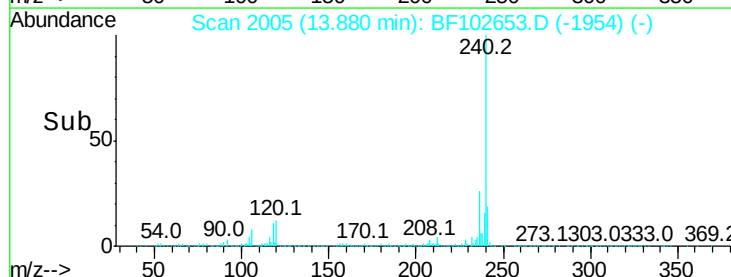
236 25.8 20.7 31.1

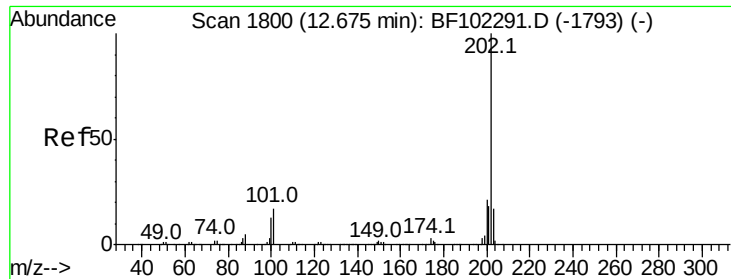


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 4.851 ng

RT: 12.68 min Scan# 1801

Delta R.T. -0.00 min

Lab File: BF102653.D

Acq: 30 Jan 2018 21:30

Instrument :

BNA_F

ClientSampleId :

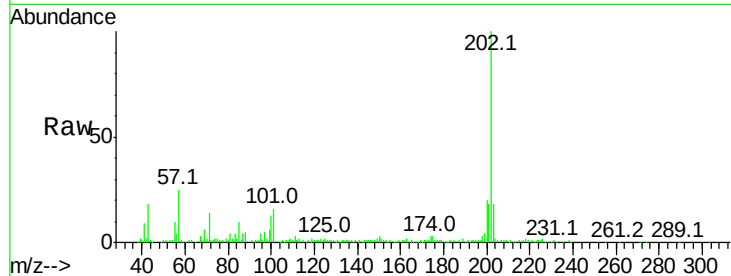
Tot Ion:202 Resp: 110713

Ion Ratio Lower Upper

202 100

200 20.5 17.4 26.2

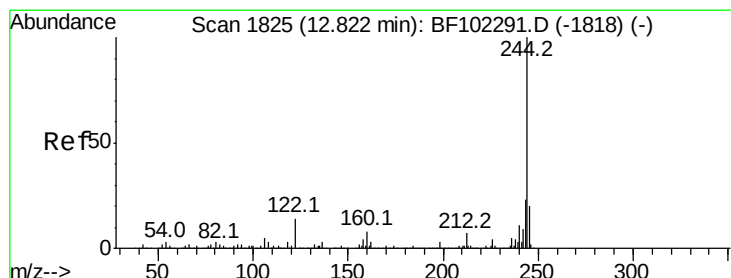
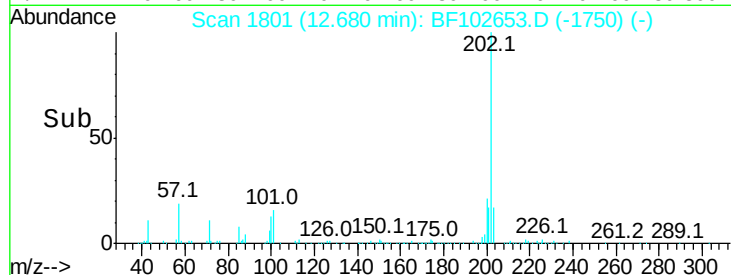
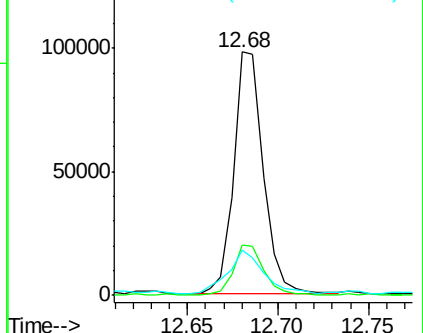
203 18.4 14.3 21.5



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



#78

Terphenyl-d14

Concen: 19.832 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.00 min

Lab File: BF102653.D

Acq: 30 Jan 2018 21:30

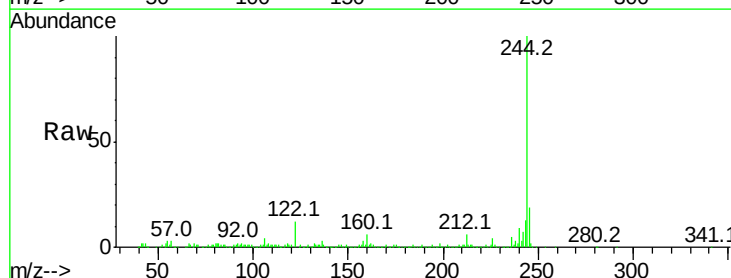
Tgt Ion:244 Resp: 259685

Ion Ratio Lower Upper

244 100

212 6.2 5.4 8.0

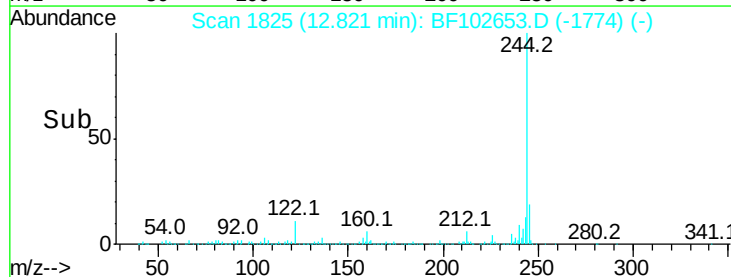
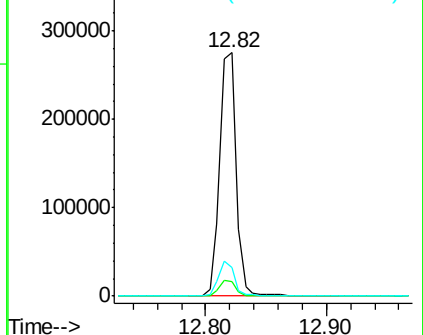
122 11.6 11.0 16.4

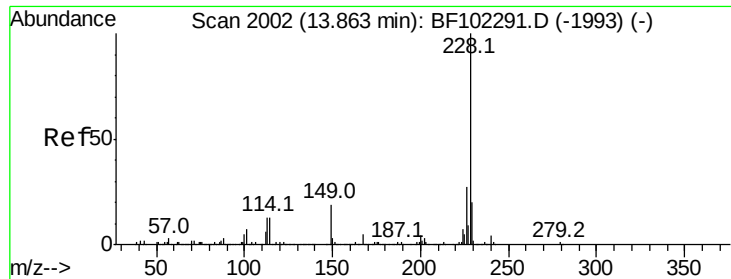


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 2.417 ng

RT: 13.90 min Scan# 2009

Delta R.T. 0.04 min

Lab File: BF102653.D

Acq: 30 Jan 2018 21:30

Instrument :

BNA_F

ClientSampleId :

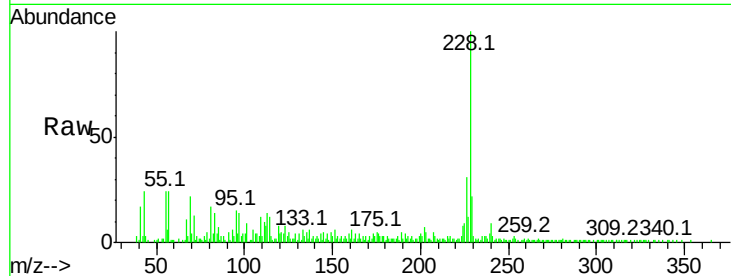
Tot Ion:228 Resp: 43934

Ion Ratio Lower Upper

228 100

226 30.9 22.6 33.8

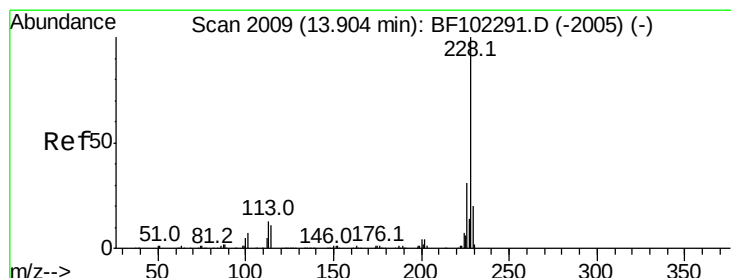
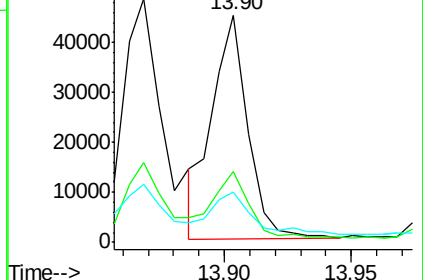
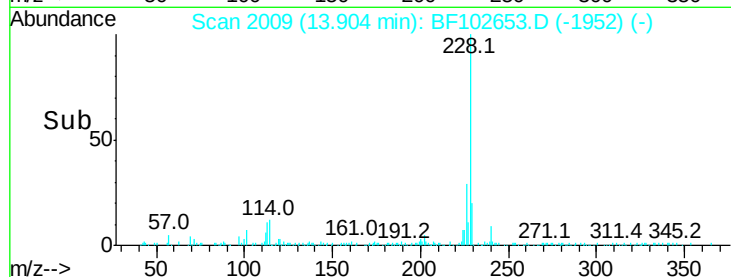
229 22.2 15.8 23.6



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



#82

Chrysene

Concen: 2.381 ng

RT: 13.90 min Scan# 2009

Delta R.T. -0.01 min

Lab File: BF102653.D

Acq: 30 Jan 2018 21:30

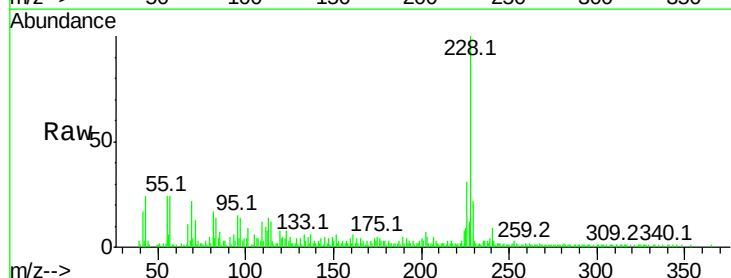
Tgt Ion:228 Resp: 43934

Ion Ratio Lower Upper

228 100

226 30.9 25.0 37.6

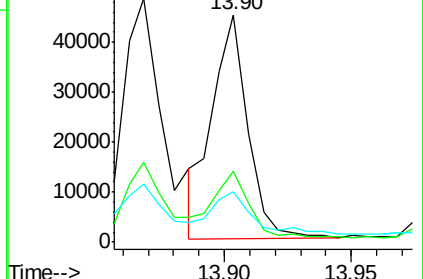
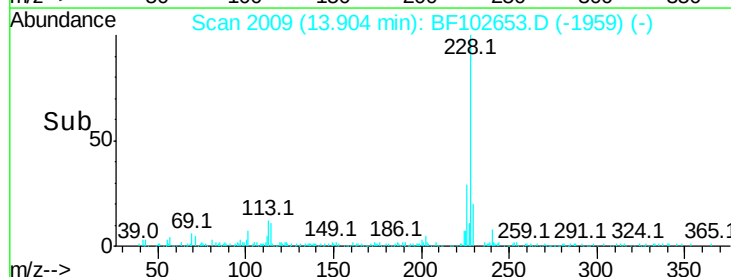
229 22.2 16.2 24.4

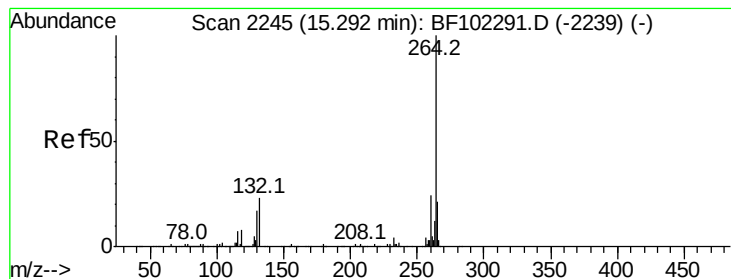


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.31 min Scan# 2248

Delta R.T. 0.01 min

Lab File: BF102653.D

Acq: 30 Jan 2018 21:30

Instrument :

BNA_F

ClientSampled :

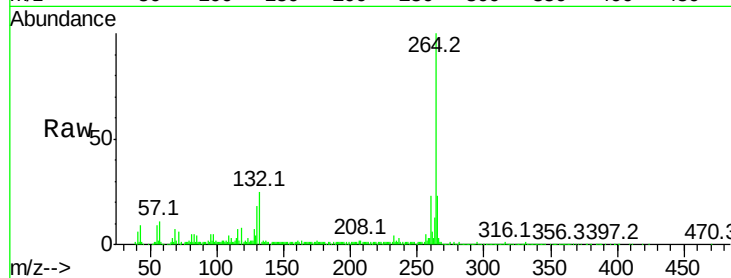
Tot Ion:264 Resp: 252859

Ion Ratio Lower Upper

264 100

260 23.0 19.2 28.8

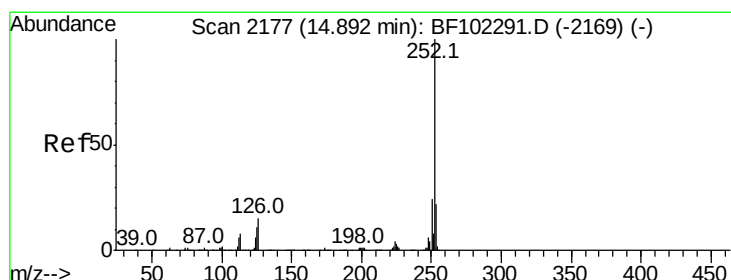
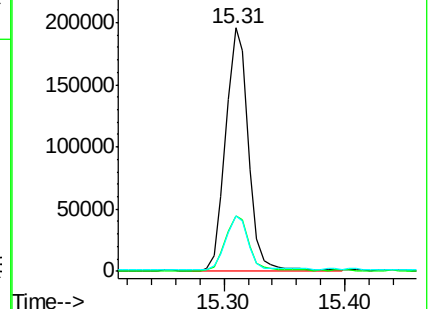
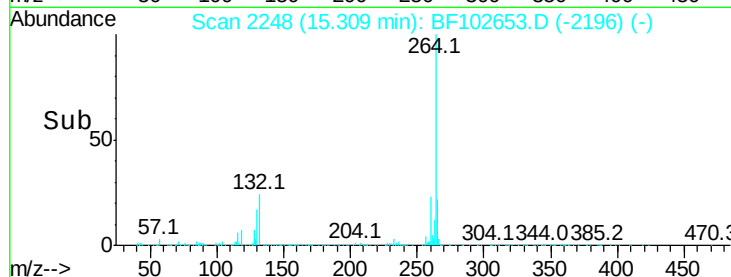
265 22.8 17.5 26.3



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



#87

Benzo(b)fluoranthene

Concen: 5.437 ng

RT: 14.90 min Scan# 2178

Delta R.T. -0.00 min

Lab File: BF102653.D

Acq: 30 Jan 2018 21:30

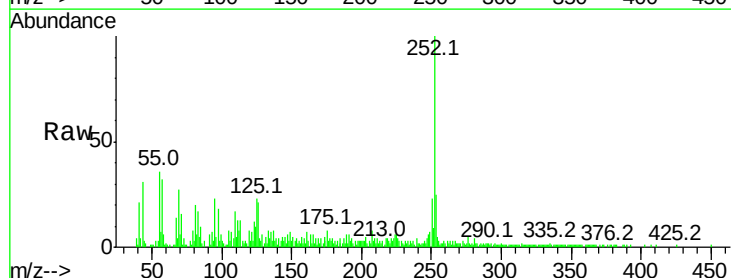
Tgt Ion:252 Resp: 89100

Ion Ratio Lower Upper

252 100

253 24.9 17.0 25.6

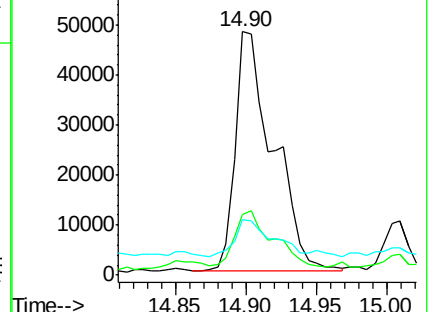
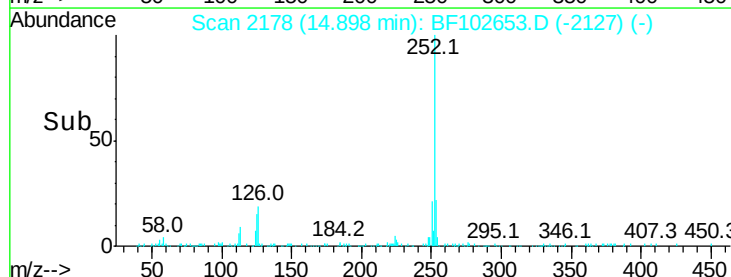
125 22.6 9.0 13.6#

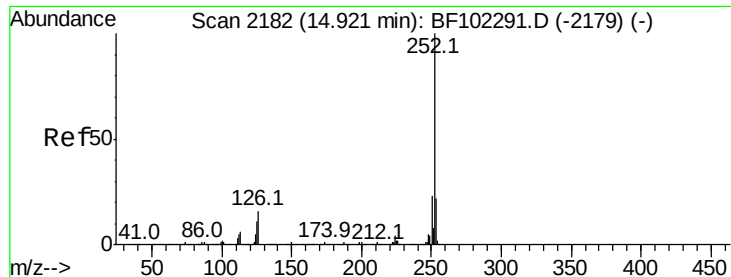


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

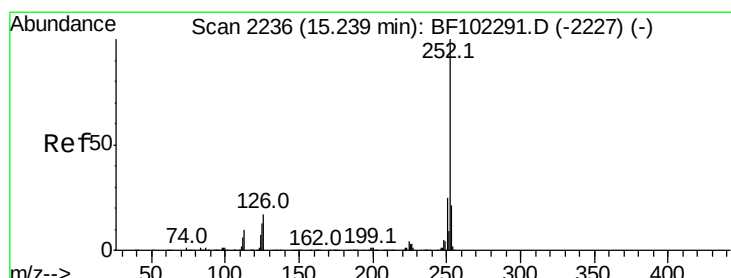
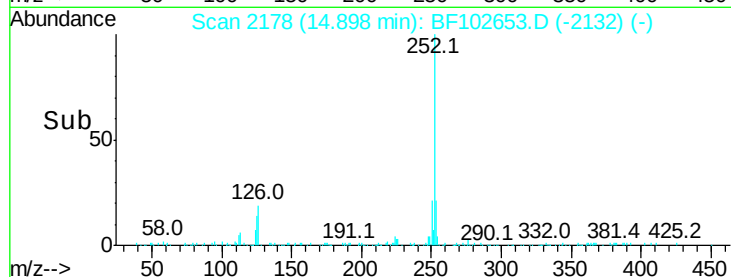
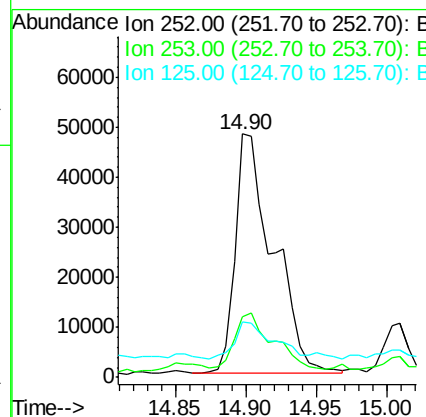
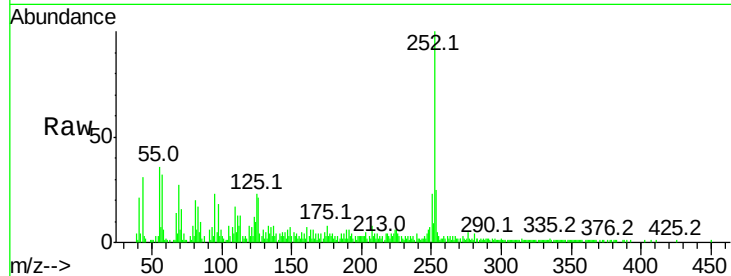




#88
Benzo(k)fluoranthene
Concen: 5.754 ng
RT: 14.90 min Scan# 2178
Delta R.T. -0.03 min
Lab File: BF102653.D
Acq: 30 Jan 2018 21:30

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.9	17.9	26.9
125	22.6	10.2	15.2



#89
Benzo(a)pyrene
Concen: 3.350 ng
RT: 15.25 min Scan# 2238
Delta R.T. -0.00 min
Lab File: BF102653.D
Acq: 30 Jan 2018 21:30

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.1	25.7
125	21.4	9.8	14.6

