

Data Path : U:\HPCHEM1\BNA F\DATA\BF012918\
 Data File : BF102593.D
 Acq On : 29 Jan 2018 13:14
 Operator : SJ/JU
 Sample : J1290-03
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

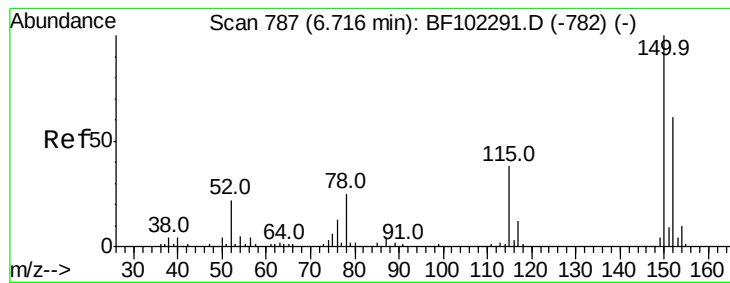
Quant Time: Jan 30 00:05:41 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jan 27 20:48:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	122126	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	486841	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	198402	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	253724	20.00	ng	0.00
75) Chrysene-d12	13.88	240	231141	20.00	ng	0.00
86) Perylene-d12	15.32	264	167046	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.32	112	229923	28.55	ng	0.00
7) Phenol-d6	6.36	99	287656	29.62	ng	0.00
23) Nitrobenzene-d5	7.28	82	169184	19.97	ng	0.00
41) 2,4,6-Tribromophenol	10.54	330	32380	16.47	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	315083	23.35	ng	0.00
78) Terphenyl-d14	12.82	244	204964	19.99	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
25) Isophorone	7.28	82	164092	10.865	ng	# 65
49) Dimethylphthalate	9.47	163	40446	2.466	ng	# 99
50) 2,6-Dinitrotoluene	9.74	165	25837	7.308	ng	# 26
56) 2,4-Dinitrotoluene	9.74	165	25837	5.942	ng	# 24
70) Phenanthrene	11.26	178	108592	7.345	ng	# 97
71) Anthracene	11.32	178	31326	2.076	ng	# 98
74) Fluoranthene	12.45	202	148819	9.870	ng	# 98
77) Pyrene	12.68	202	148249	8.296	ng	# 99
80) Benzo(a)anthracene	13.87	228	75197	5.284	ng	# 92
82) Chrysene	13.90	228	76257	5.277	ng	# 95
85) Indeno(1,2,3-cd)pyrene	16.74	276	27476	2.302	ng	# 91
87) Benzo(b)fluoranthene	14.91	252	105788	9.771	ng	# 59
88) Benzo(k)fluoranthene	14.91	252	105628	10.326	ng	# 63
89) Benzo(a)pyrene	15.26	252	49694	5.089	ng	# 62
91) Benzo(a,h,i)perylene	17.17	276	27813	3.561	ng	# 73

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

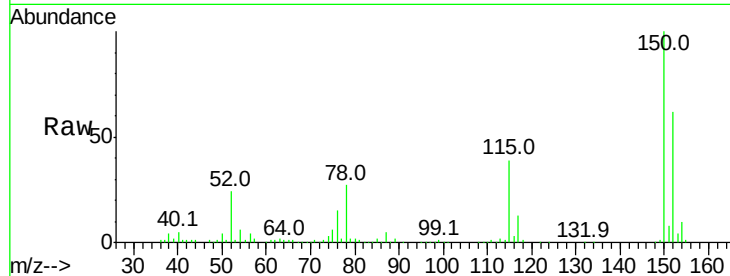


#1

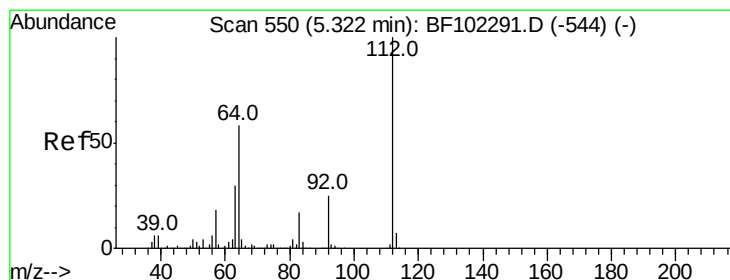
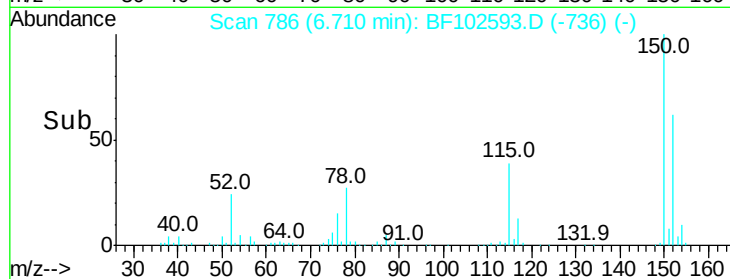
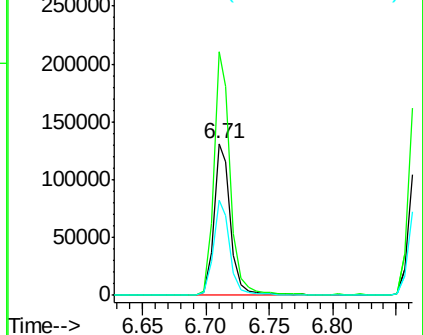
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.71 min Scan# 786
Delta R.T. -0.01 min
Lab File: BF102593.D
Acq: 29 Jan 2018 13:14

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 122126
Ion Ratio Lower Upper
152 100
150 160.7 124.6 186.8
115 63.1 50.1 75.1



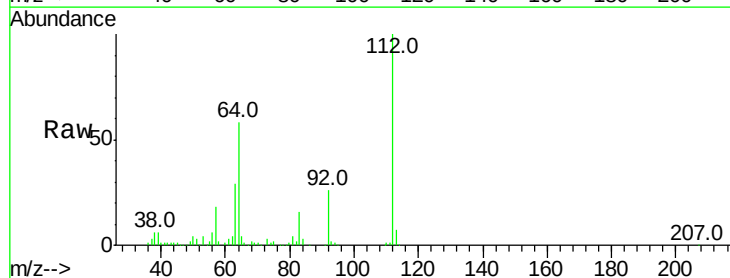
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



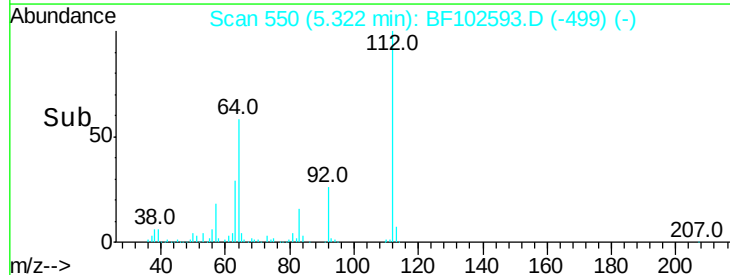
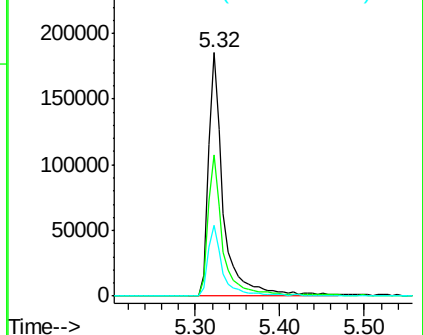
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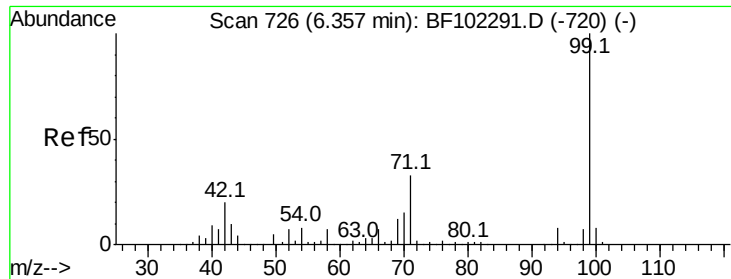
2-Fluorophenol
Concen: 28.546 ng
RT: 5.32 min Scan# 550
Delta R.T. -0.00 min
Lab File: BF102593.D
Acq: 29 Jan 2018 13:14

Tgt Ion:112 Resp: 229923
Ion Ratio Lower Upper
112 100
64 57.8 47.9 71.9
63 29.1 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: 29.624 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF102593.D

Acq: 29 Jan 2018 13:14

Instrument :

BNA_F

ClientSampleId :

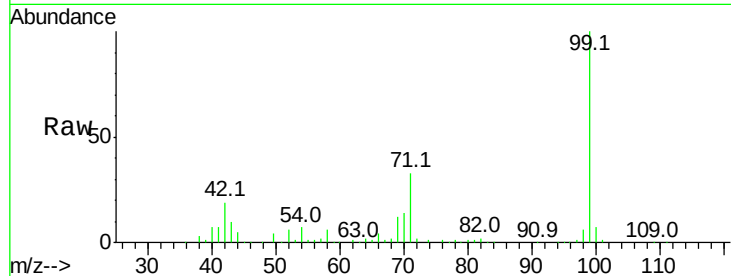
Tot Ion: 99 Resp: 287656

Ion Ratio Lower Upper

99 100

42 18.5 14.5 21.7

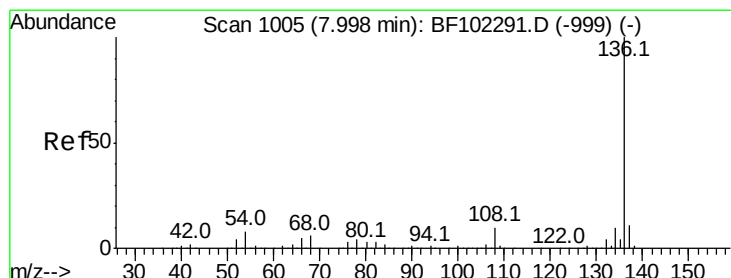
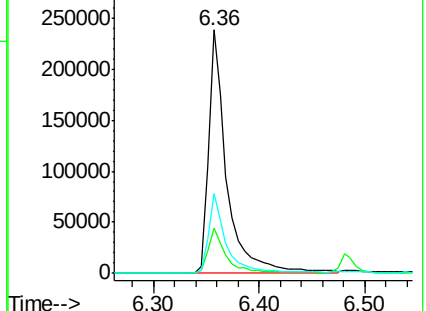
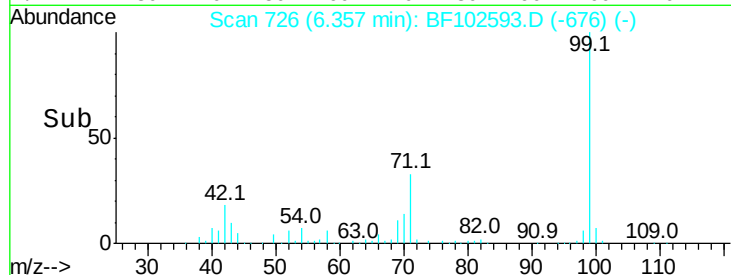
71 32.8 25.4 38.0



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: 8.00 min Scan# 1005

Delta R.T. -0.00 min

Lab File: BF102593.D

Acq: 29 Jan 2018 13:14

Tgt Ion: 136 Resp: 486841

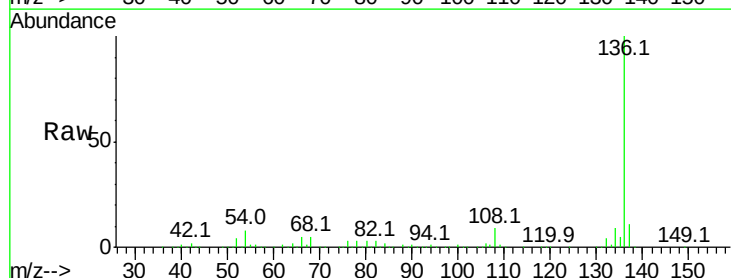
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 8.0 6.6 9.8

68 5.3 5.0 7.4

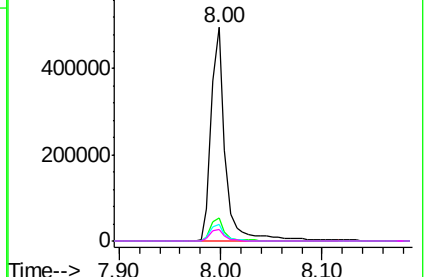
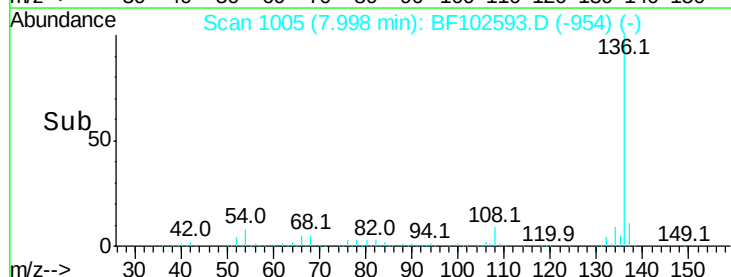


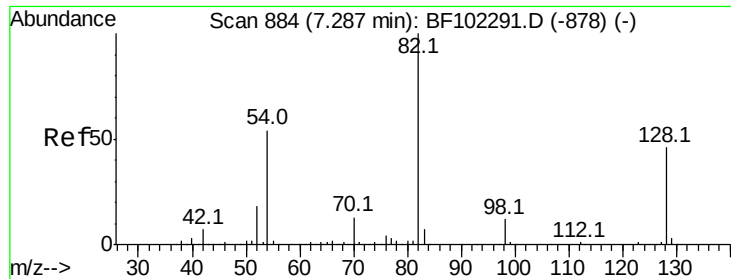
Abundance Ion 136.00 (135.70 to 136.70): E

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

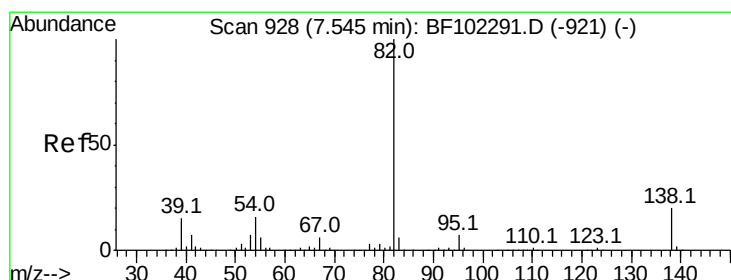
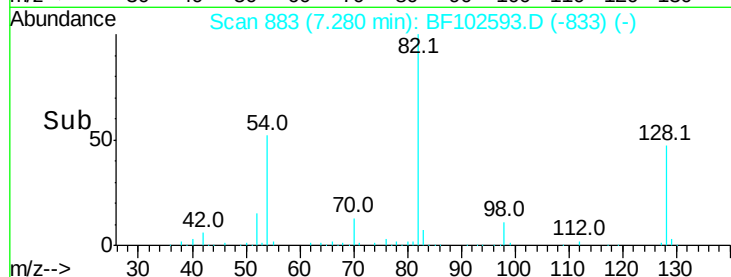
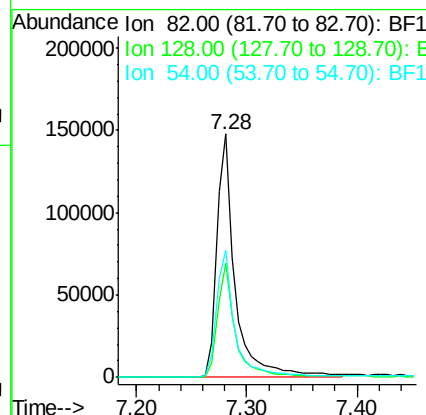
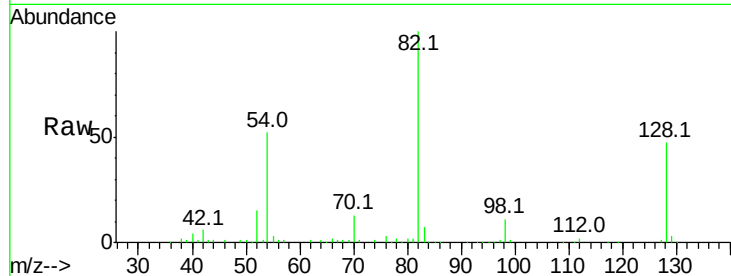




#23
 Nitrobenzene-d5
 Concen: 19.971 ng
 RT: 7.28 min Scan# 883
 Delta R.T. -0.01 min
 Lab File: BF102593.D
 Acq: 29 Jan 2018 13:14

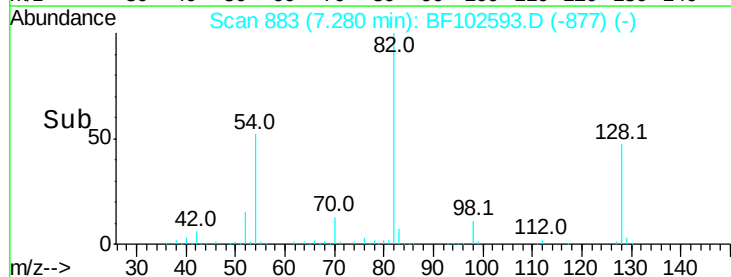
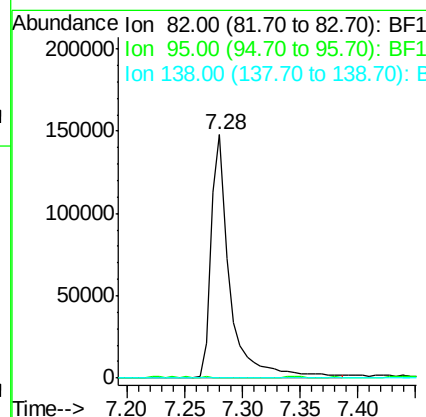
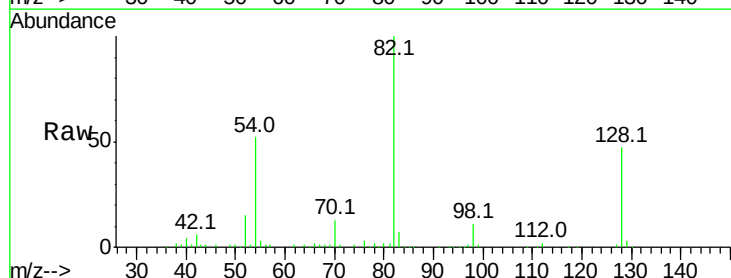
Instrument :
 BNA_F
 ClientSampled :

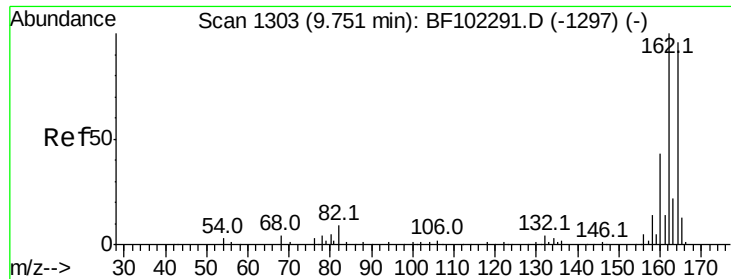
Tot Ion: 82 Resp: 169184
 Ion Ratio Lower Upper
 82 100
 128 47.0 36.1 54.1
 54 52.2 41.4 62.2



#25
 Isophorone
 Concen: 10.865 ng
 RT: 7.28 min Scan# 883
 Delta R.T. -0.26 min
 Lab File: BF102593.D
 Acq: 29 Jan 2018 13:14

Tgt Ion: 82 Resp: 164092
 Ion Ratio Lower Upper
 82 100
 95 0.4 5.2 7.8#
 138 0.0 14.9 22.3#

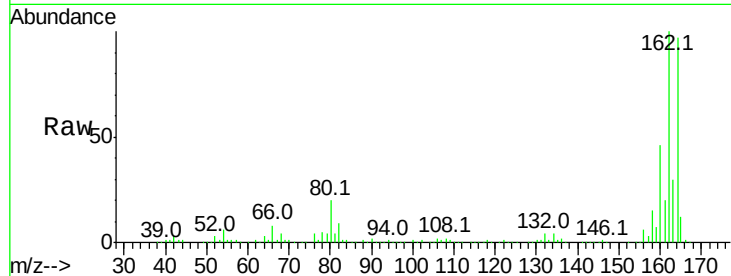




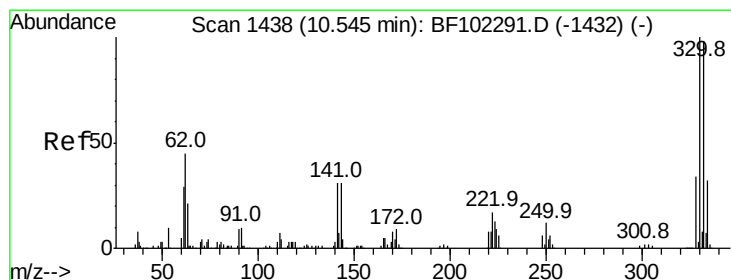
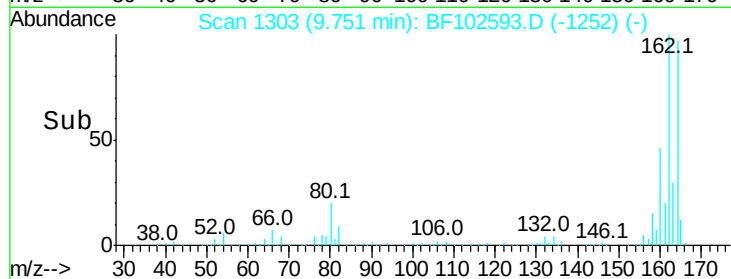
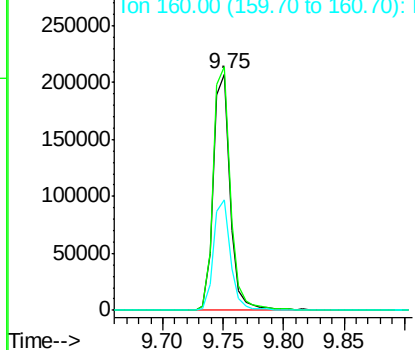
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.75 min Scan# 1303
 Delta R.T. -0.00 min
 Lab File: BF102593.D
 Acq: 29 Jan 2018 13:14

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 198402
 Ion Ratio Lower Upper
 164 100
 162 103.1 86.1 129.1
 160 47.1 38.3 57.5

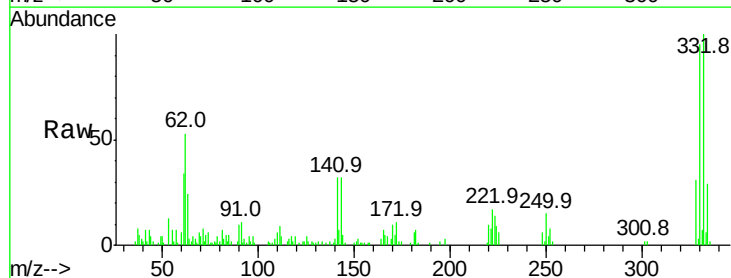


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

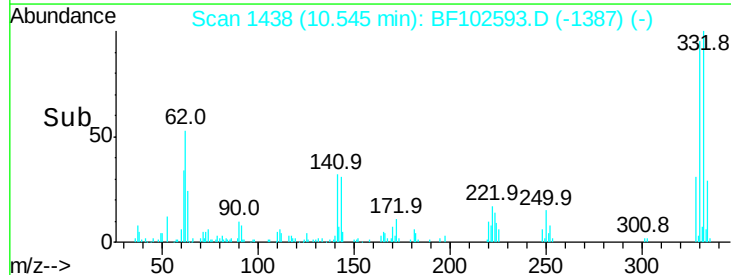
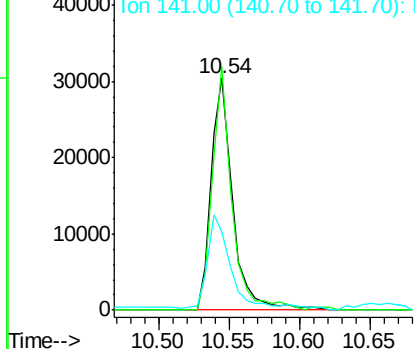


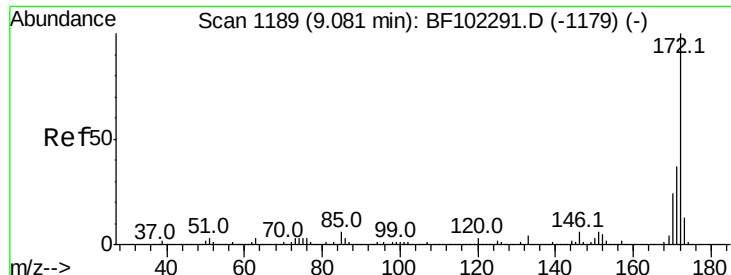
#41
 2,4,6-Tribromophenol
 Concen: 16.471 ng
 RT: 10.54 min Scan# 1438
 Delta R.T. -0.00 min
 Lab File: BF102593.D
 Acq: 29 Jan 2018 13:14

Tgt Ion:330 Resp: 32380
 Ion Ratio Lower Upper
 330 100
 332 94.4 77.0 115.6
 141 40.2 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

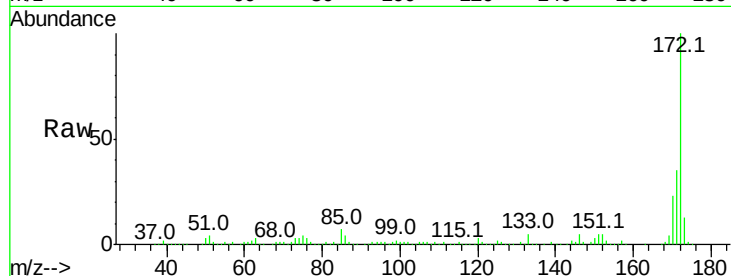




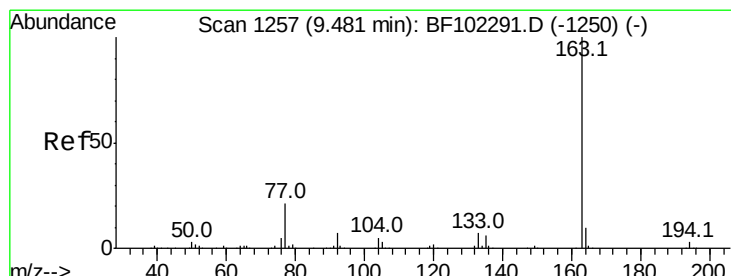
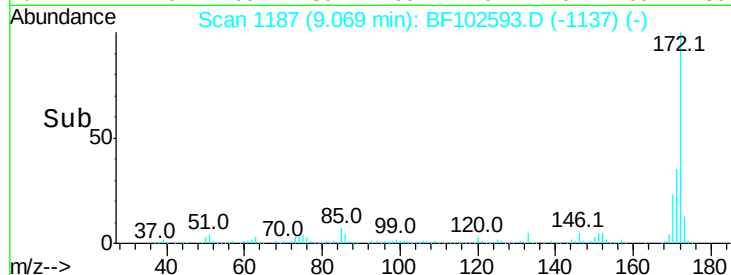
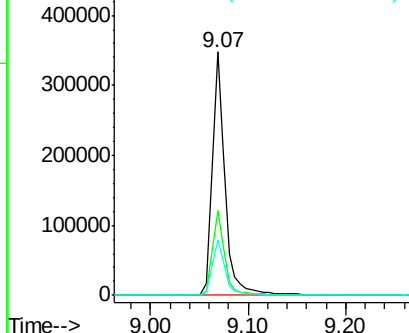
#44
2-Fluorobiphenyl
Concen: 23.351 ng
RT: 9.07 min Scan# 1187
Delta R.T. -0.01 min
Lab File: BF102593.D
Acq: 29 Jan 2018 13:14

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 315083
Ion Ratio Lower Upper
172 100
171 35.0 29.7 44.5
170 22.9 19.6 29.4

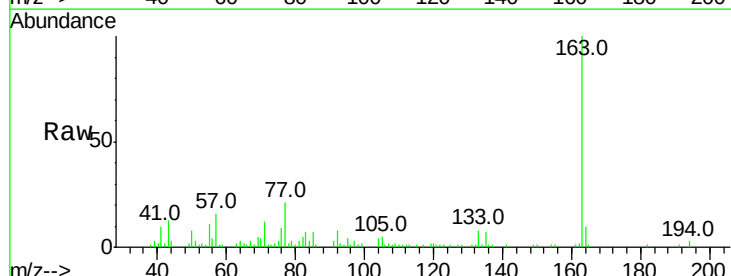


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

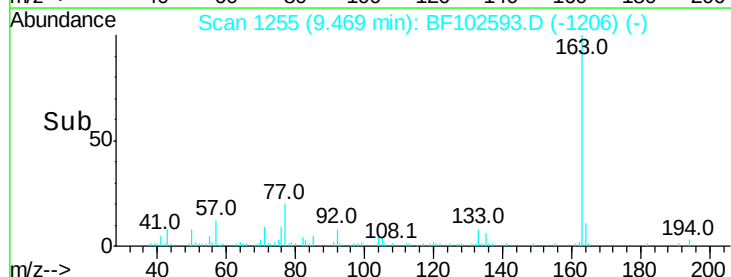
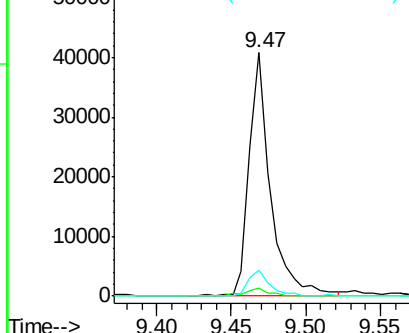


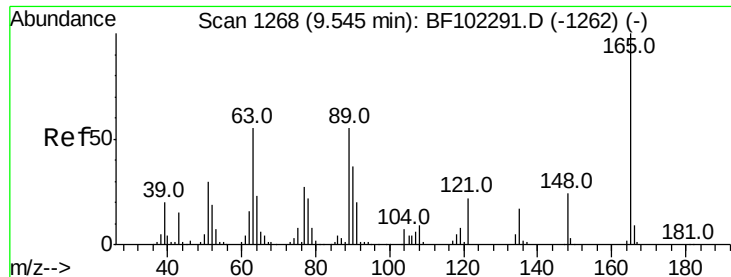
#49
Dimethylphthalate
Concen: 2.466 ng
RT: 9.47 min Scan# 1255
Delta R.T. -0.01 min
Lab File: BF102593.D
Acq: 29 Jan 2018 13:14

Tgt Ion:163 Resp: 40446
Ion Ratio Lower Upper
163 100
194 3.3 2.7 4.1
164 10.5 8.2 12.2



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

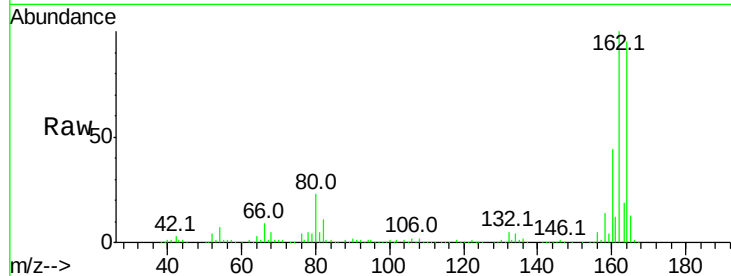




#50
 2,6-Dinitrotoluene
 Concen: 7.308 ng
 RT: 9.74 min Scan# 1302
 Delta R.T. 0.19 min
 Lab File: BF102593.D
 Acq: 29 Jan 2018 13:14

Instrument :
 BNA_F
 ClientSampleId :

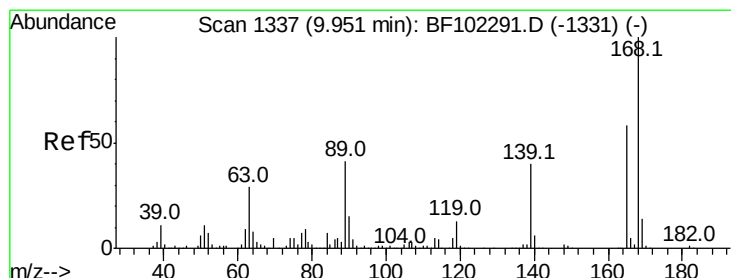
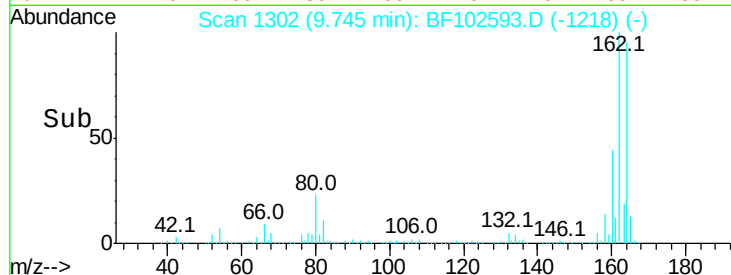
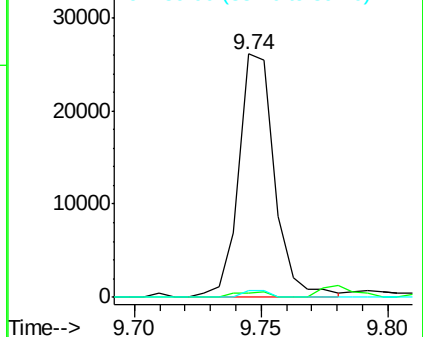
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.6	44.7	67.1#
89	2.6	44.0	66.0#



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



#56
 2,4-Dinitrotoluene
 Concen: 5.942 ng
 RT: 9.74 min Scan# 1302
 Delta R.T. -0.21 min
 Lab File: BF102593.D
 Acq: 29 Jan 2018 13:14

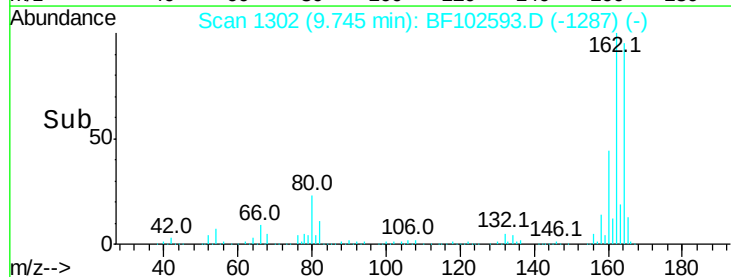
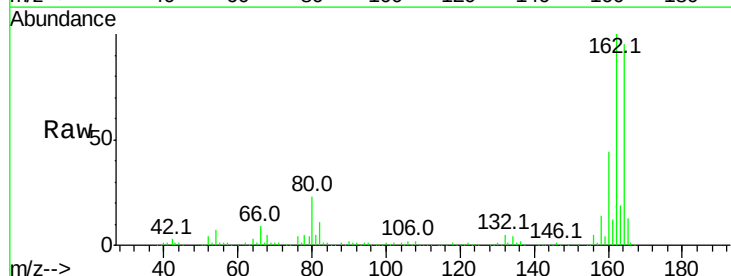
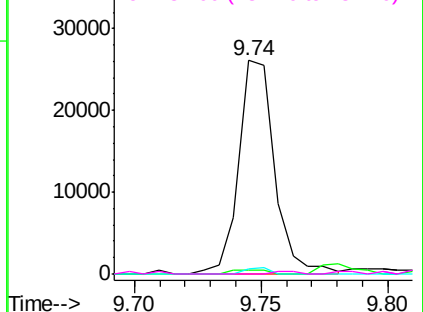
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.6	36.4	54.6#
89	2.6	57.8	86.6#
182	0.0	1.6	2.4#

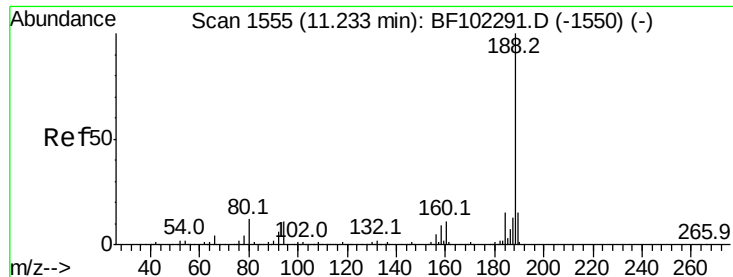
Abundance Ion 165.00 (164.70 to 165.70): E

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

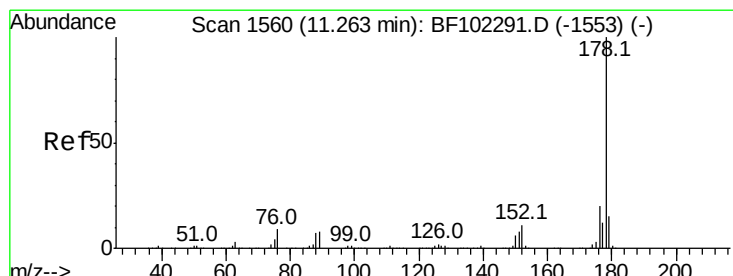
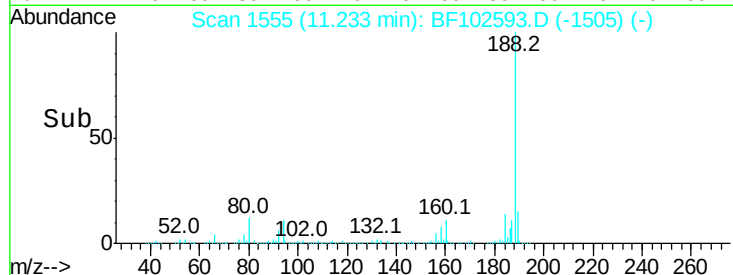
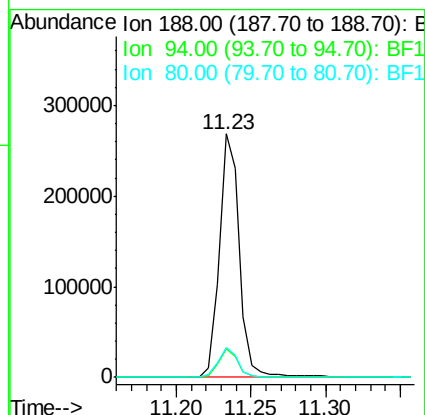
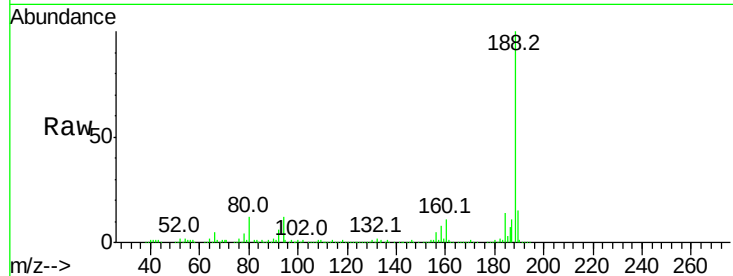




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.01 min
Lab File: BF102593.D
Acq: 29 Jan 2018 13:14

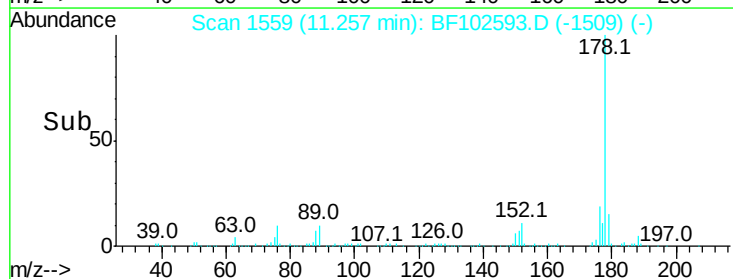
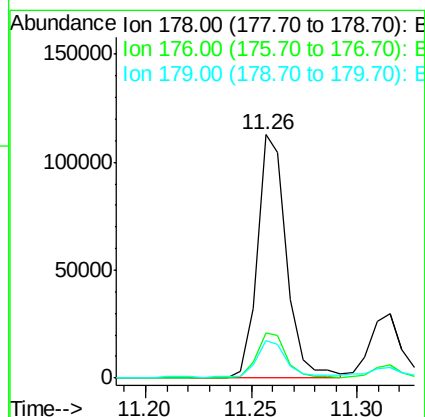
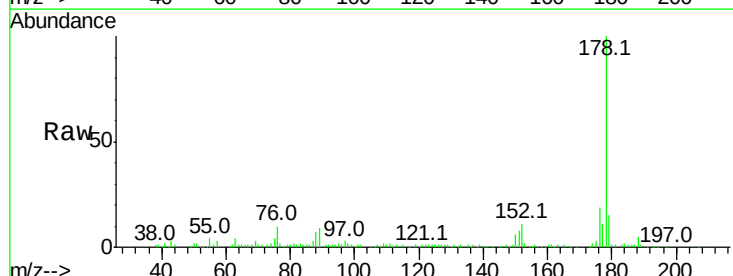
Instrument :
BNA_F
ClientSampleId :

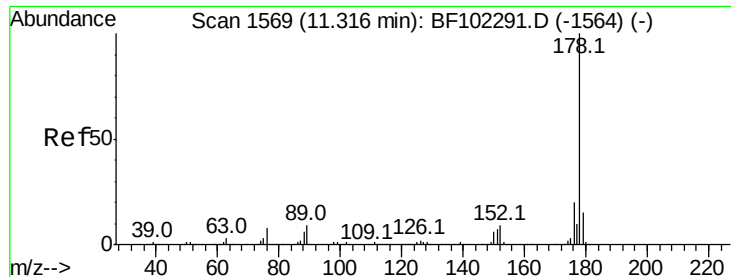
Tot Ion:188 Resp: 253724
Ion Ratio Lower Upper
188 100
94 11.6 8.5 12.7
80 12.3 9.2 13.8



#70
Phenanthrene
Concen: 7.345 ng
RT: 11.26 min Scan# 1559
Delta R.T. -0.01 min
Lab File: BF102593.D
Acq: 29 Jan 2018 13:14

Tgt Ion:178 Resp: 108592
Ion Ratio Lower Upper
178 100
176 18.5 15.8 23.8
179 15.2 13.0 19.6





#71

Anthracene

Concen: 2.076 ng

RT: 11.32 min Scan# 1569

Delta R.T. -0.00 min

Lab File: BF102593.D

Acq: 29 Jan 2018 13:14

Instrument :

BNA_F

ClientSampleId :

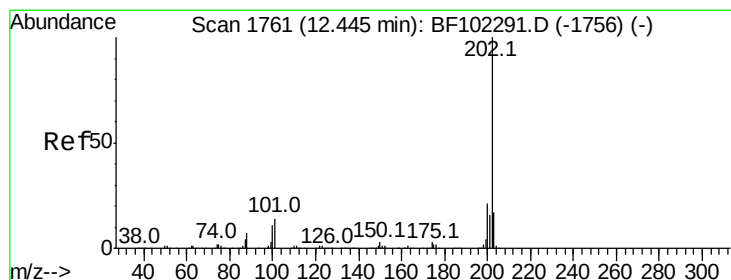
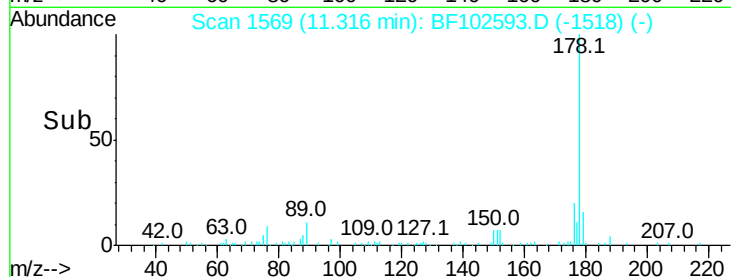
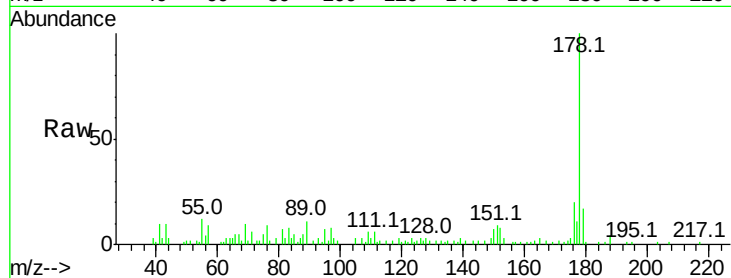
Tot Ion:178 Resp: 31326

Ion	Ratio	Lower	Upper
178	100		
176	20.1	15.4	23.2
179	16.7	12.6	19.0

178 100

176 20.1 15.4 23.2

179 16.7 12.6 19.0



#74

Fluoranthene

Concen: 9.870 ng

RT: 12.45 min Scan# 1762

Delta R.T. -0.00 min

Lab File: BF102593.D

Acq: 29 Jan 2018 13:14

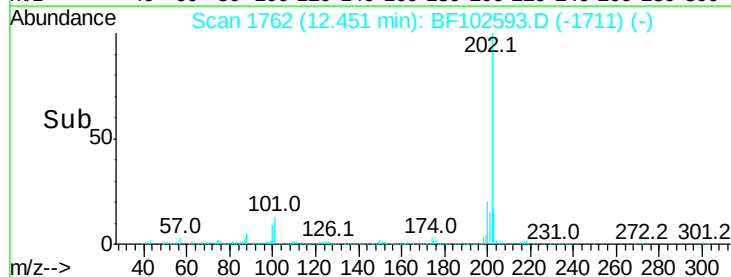
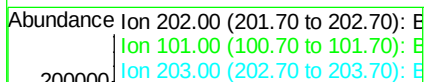
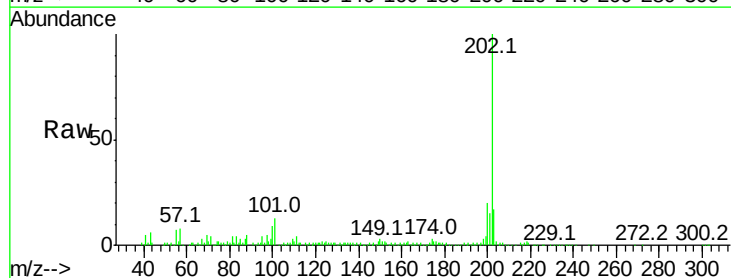
Tgt Ion:202 Resp: 148819

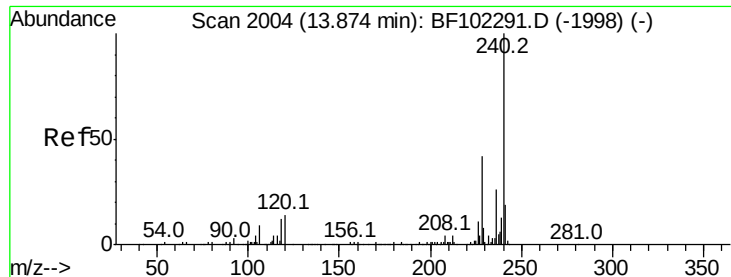
Ion	Ratio	Lower	Upper
202	100		
101	12.7	0.0	34.1
203	17.5	0.0	38.1

202 100

101 12.7 0.0 34.1

203 17.5 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.88 min Scan# 2005

Delta R.T. -0.00 min

Lab File: BF102593.D

Acq: 29 Jan 2018 13:14

Instrument :

BNA_F

ClientSampleId :

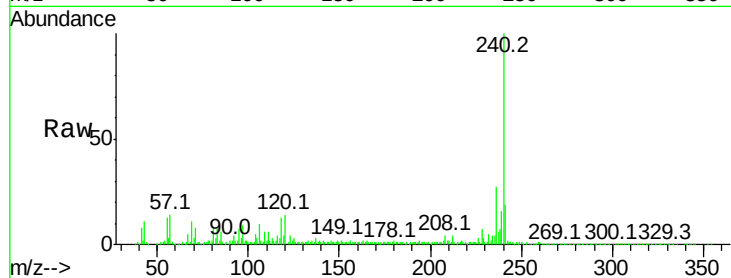
Tot Ion:240 Resp: 231141

Ion Ratio Lower Upper

240 100

120 14.5 9.5 14.3#

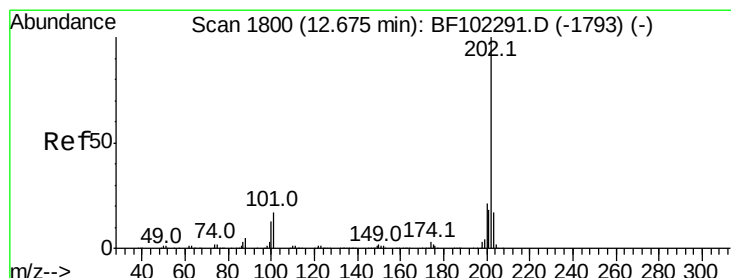
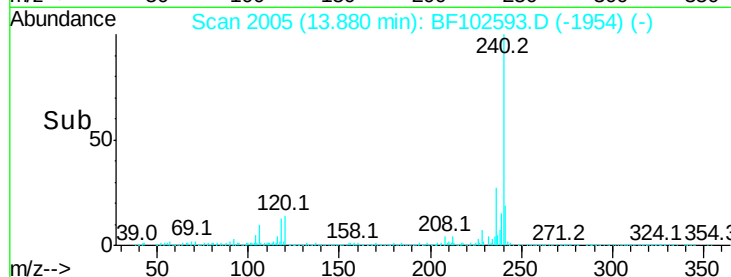
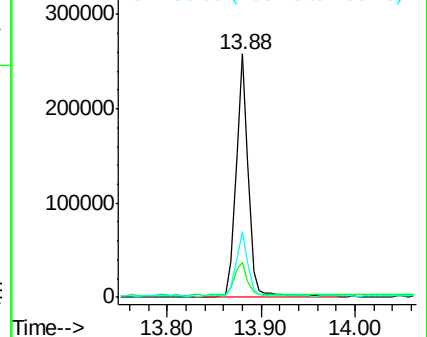
236 27.2 20.7 31.1



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

Pyrene

Concen: 8.296 ng

RT: 12.68 min Scan# 1801

Delta R.T. -0.00 min

Lab File: BF102593.D

Acq: 29 Jan 2018 13:14

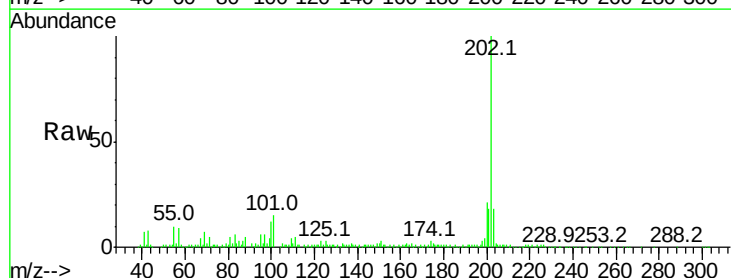
Tgt Ion:202 Resp: 148249

Ion Ratio Lower Upper

202 100

200 21.3 17.4 26.2

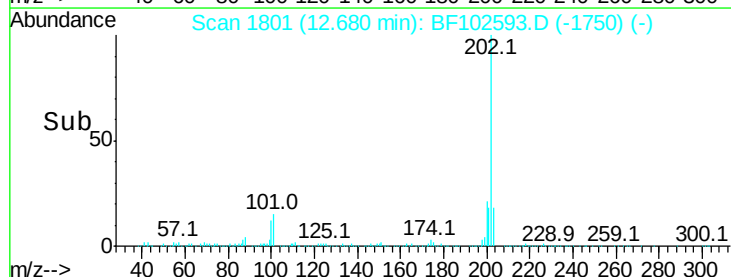
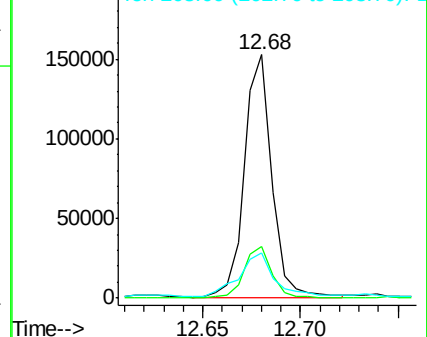
203 18.4 14.3 21.5

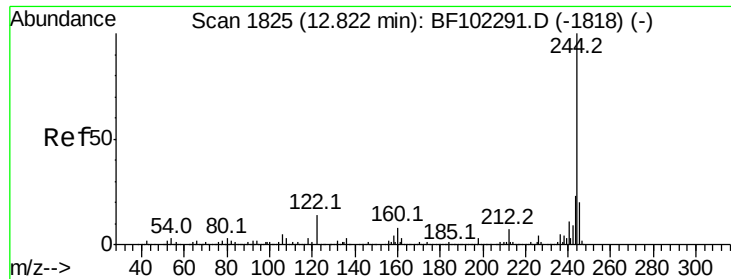


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

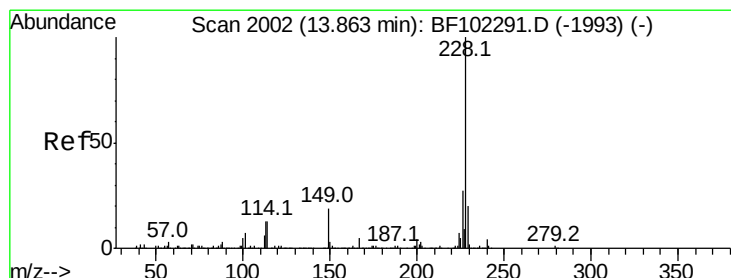
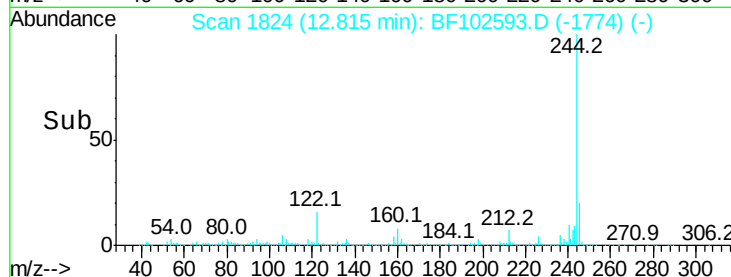
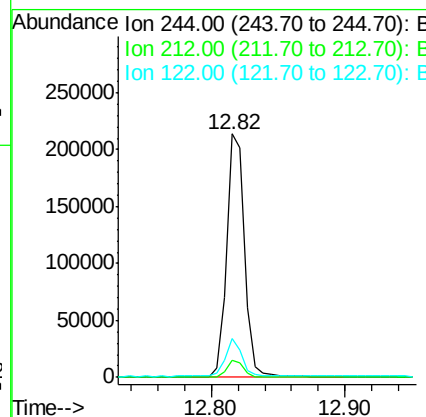
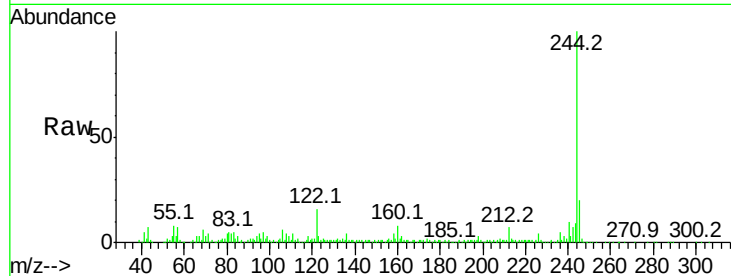




#78
 Terphenyl-d14
 Concen: 19.991 ng
 RT: 12.82 min Scan# 1824
 Delta R.T. -0.01 min
 Lab File: BF102593.D
 Acq: 29 Jan 2018 13:14

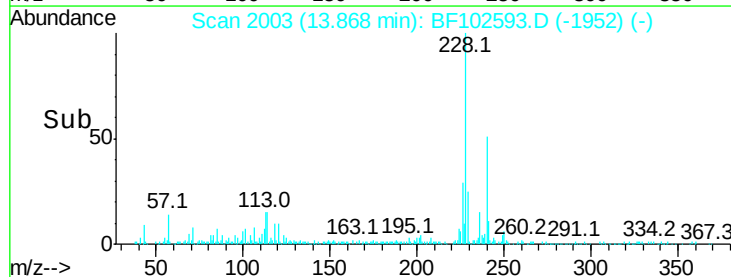
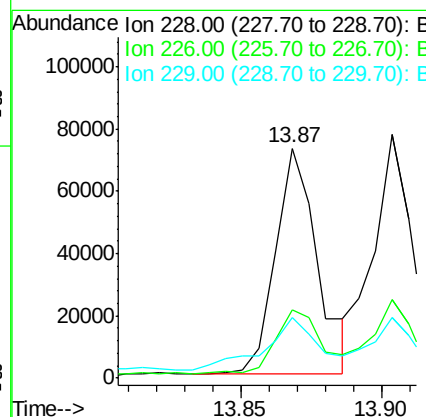
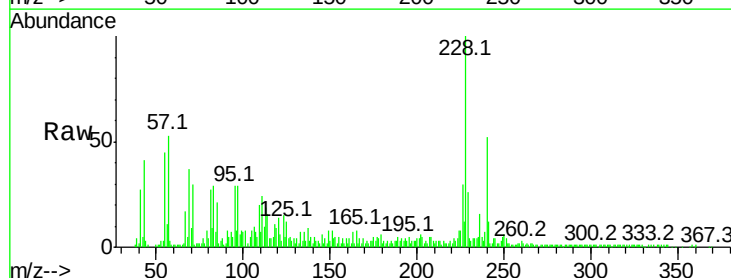
Instrument :
 BNA_F
 ClientSampleId :

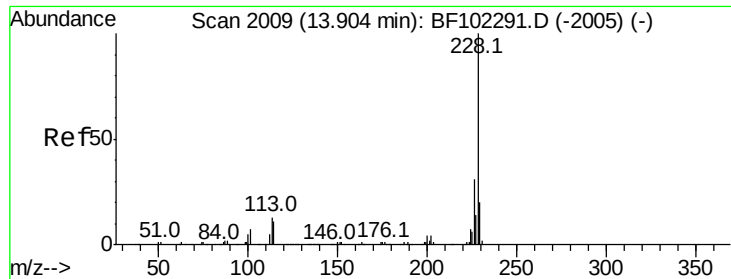
Tot Ion:244 Resp: 204964
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.4 8.0
 122 16.0 11.0 16.4



#80
 Benzo(a)anthracene
 Concen: 5.284 ng
 RT: 13.87 min Scan# 2003
 Delta R.T. -0.00 min
 Lab File: BF102593.D
 Acq: 29 Jan 2018 13:14

Tgt Ion:228 Resp: 75197
 Ion Ratio Lower Upper
 228 100
 226 29.6 22.6 33.8
 229 26.5 15.8 23.6#





#82

Chrysene

Concen: 5.277 ng

RT: 13.90 min Scan# 2009

Delta R.T. -0.01 min

Lab File: BF102593.D

Acq: 29 Jan 2018 13:14

Instrument :

BNA_F

ClientSampleId :

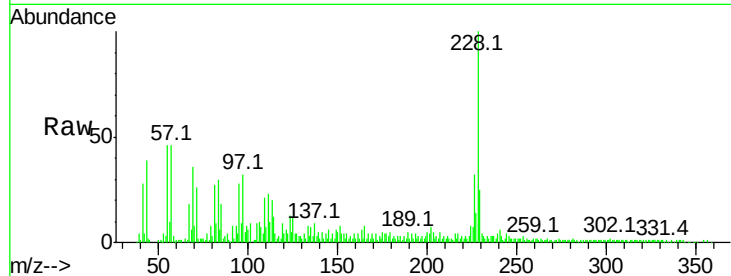
Tot Ion:228 Resp: 76257

Ion Ratio Lower Upper

228 100

226 32.2 25.0 37.6

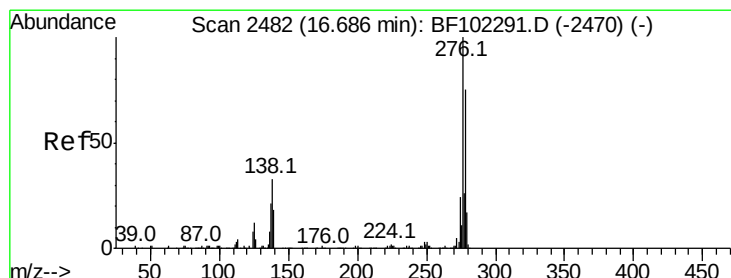
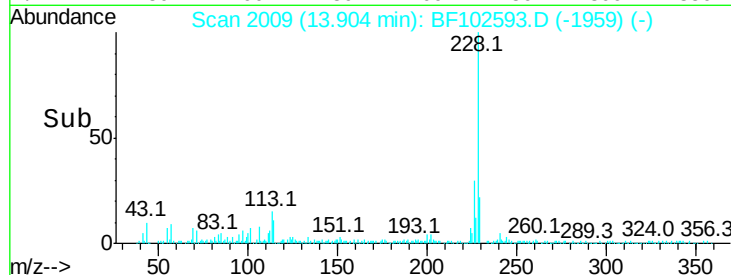
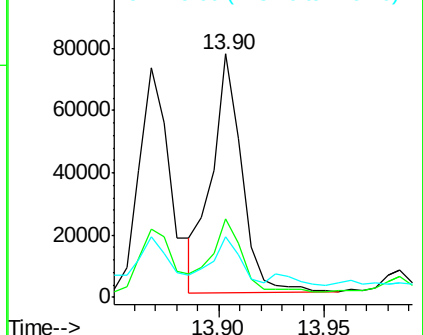
229 24.7 16.2 24.4#



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 2.302 ng

RT: 16.74 min Scan# 2491

Delta R.T. 0.03 min

Lab File: BF102593.D

Acq: 29 Jan 2018 13:14

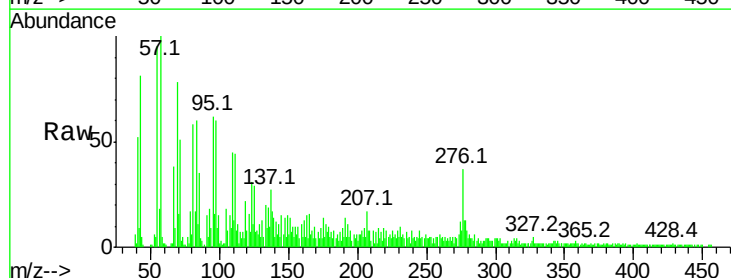
Tgt Ion:276 Resp: 27476

Ion Ratio Lower Upper

276 100

138 39.2 25.0 37.6#

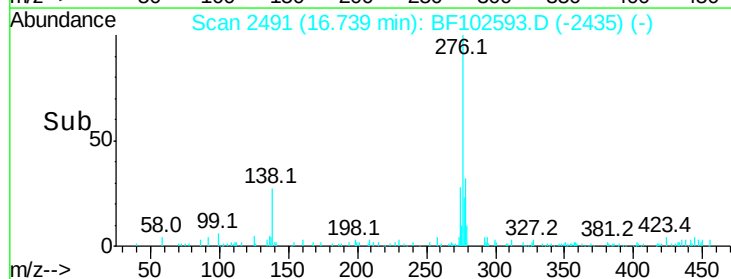
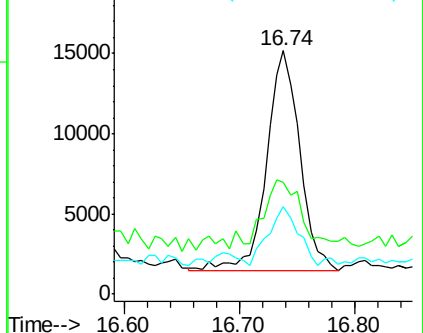
277 24.2 20.1 30.1

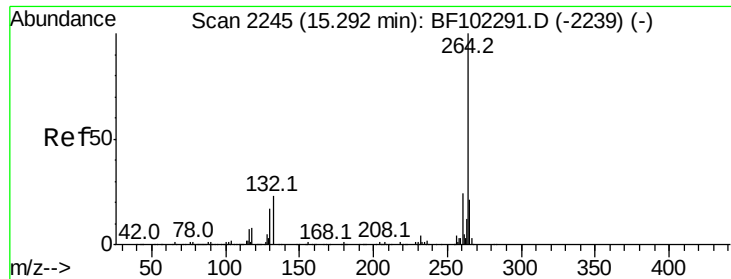


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

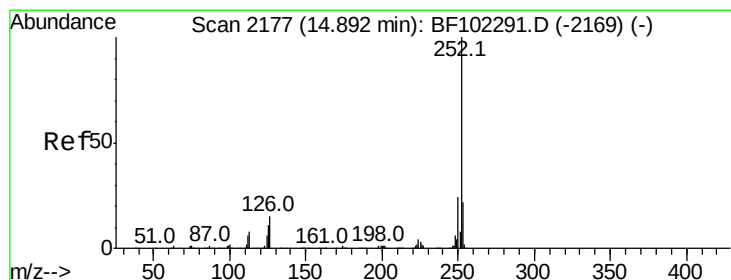
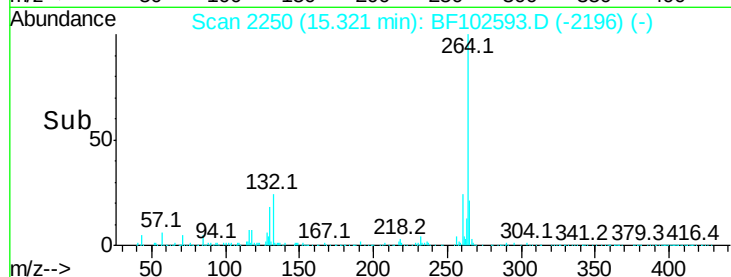
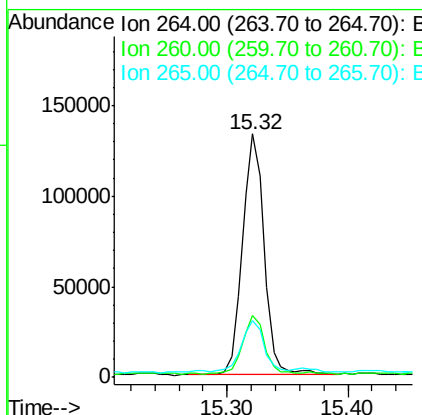
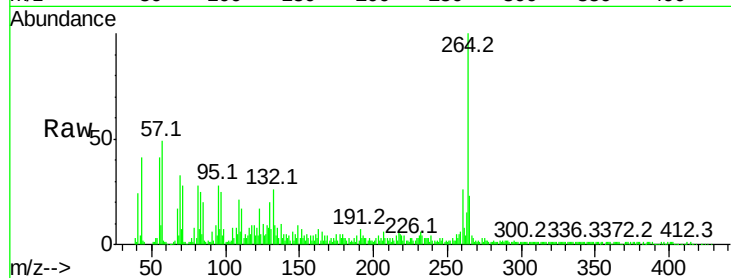




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.32 min Scan# 2250
Delta R.T. 0.02 min
Lab File: BF102593.D
Acq: 29 Jan 2018 13:14

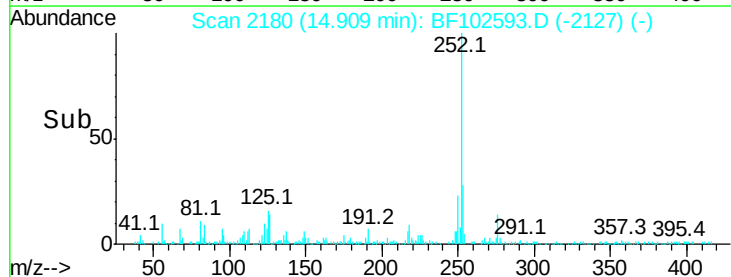
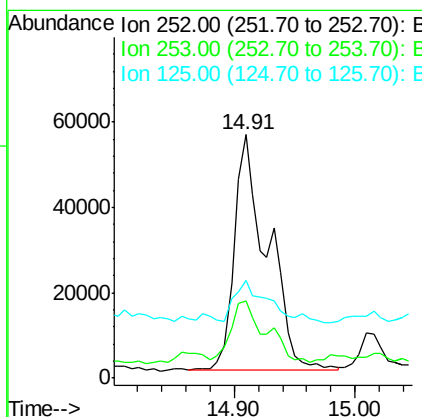
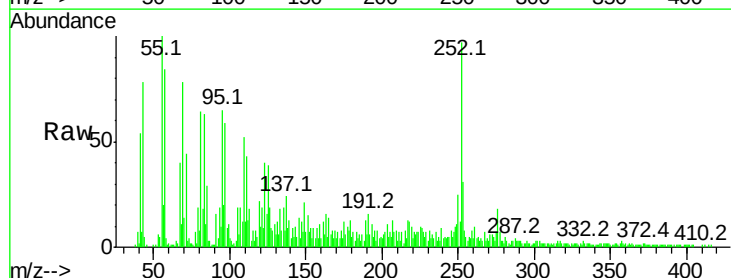
Instrument :
BNA_F
ClientSampleId :

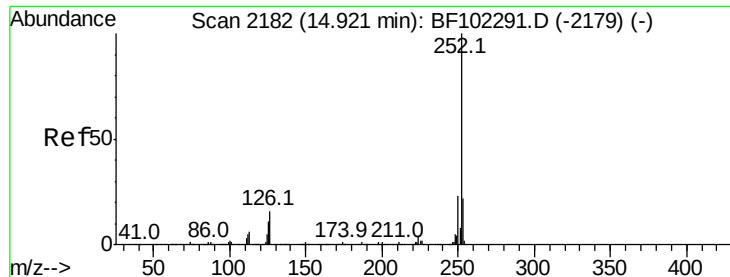
Tot Ion:264 Resp: 167046
Ion Ratio Lower Upper
264 100
260 25.5 19.2 28.8
265 23.1 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 9.771 ng
RT: 14.91 min Scan# 2180
Delta R.T. 0.01 min
Lab File: BF102593.D
Acq: 29 Jan 2018 13:14

Tgt Ion:252 Resp: 105788
Ion Ratio Lower Upper
252 100
253 31.7 17.0 25.6#
125 40.2 9.0 13.6#





#88

Benzo(k)fluoranthene

Concen: 10.326 ng

RT: 14.91 min Scan# 2180

Delta R.T. -0.02 min

Lab File: BF102593.D

Acq: 29 Jan 2018 13:14

Instrument :

BNA_F

ClientSampleId :

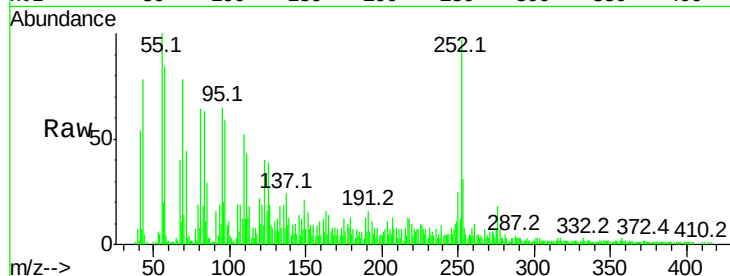
Tot Ion:252 Resp: 105628

Ion Ratio Lower Upper

252 100

253 31.7 17.9 26.9#

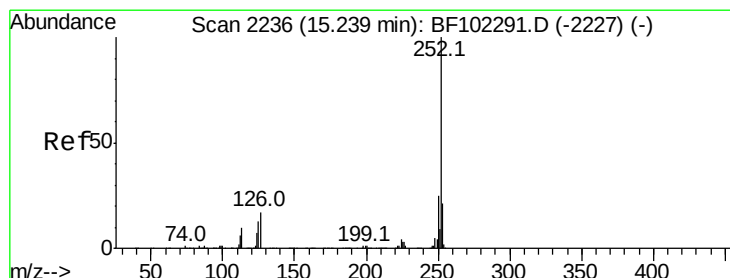
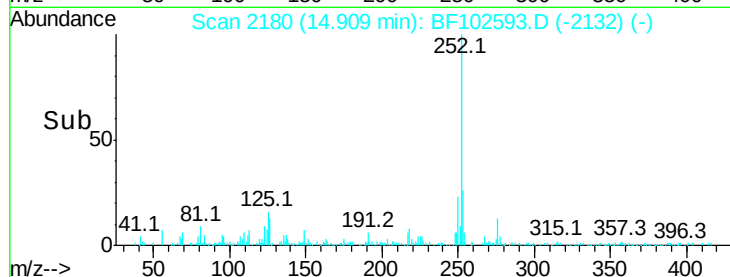
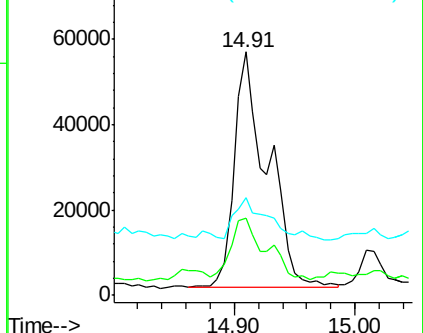
125 40.2 10.2 15.2#



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(a)pyrene

Concen: 5.089 ng

RT: 15.26 min Scan# 2240

Delta R.T. 0.01 min

Lab File: BF102593.D

Acq: 29 Jan 2018 13:14

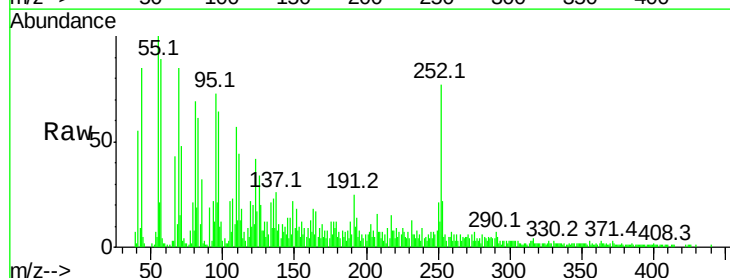
Tgt Ion:252 Resp: 49694

Ion Ratio Lower Upper

252 100

253 28.1 17.1 25.7#

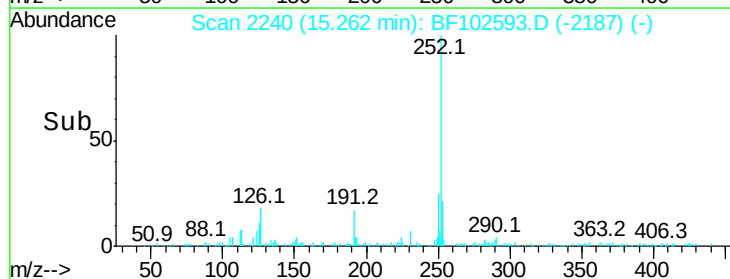
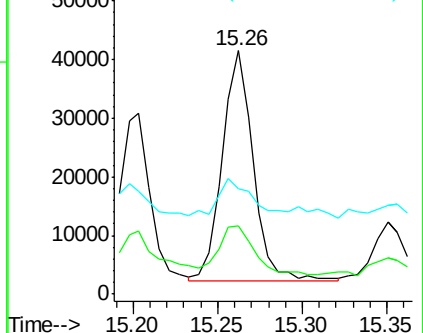
125 43.5 9.8 14.6#

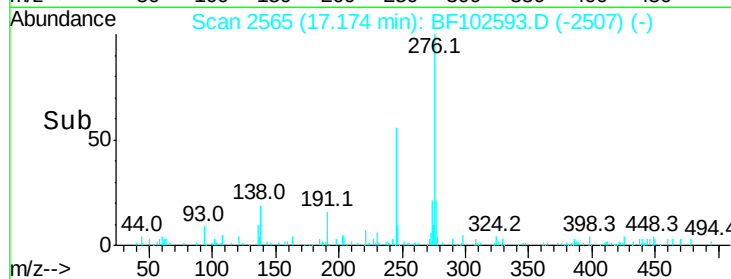
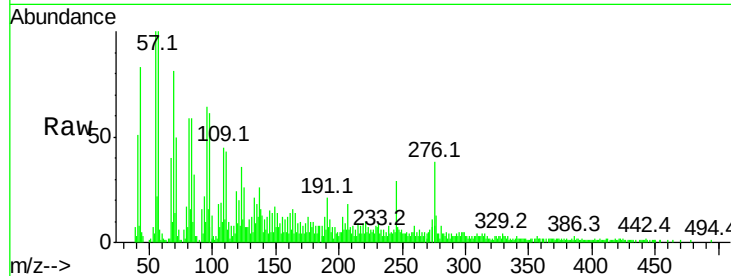
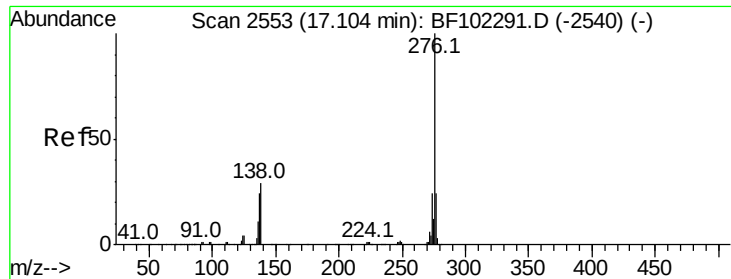


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a,h,i)perylene

Concen: 3.561 ng

RT: 17.17 min Scan# 2565

Delta R.T. 0.04 min

Lab File: BF102593.D

Acq: 29 Jan 2018 13:14

Instrument :

BNA_F

ClientSampleId :

Tot Ion:276 Resp: 27813

Ion Ratio Lower Upper

276 100

277 33.7 17.9 26.9#

138 42.9 21.8 32.8#

