

Data Path : U:\HPCHEM1\BNA F\DATA\BF012918\
 Data File : BF102590.D
 Acq On : 29 Jan 2018 11:53
 Operator : SJ/JU
 Sample : J1257-01 5X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

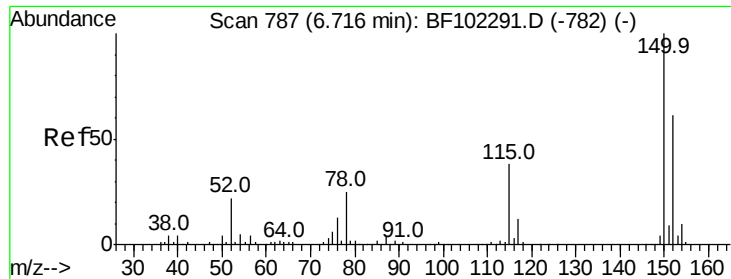
Quant Time: Jan 30 00:04:06 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jan 27 20:48:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	154709	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	634109	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	272561	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	385615	20.00	ng	0.00
75) Chrysene-d12	13.89	240	259305	20.00	ng	0.00
86) Perylene-d12	15.32	264	291018	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.32	112	213571	20.93	ng	0.00
7) Phenol-d6	6.36	99	272500	22.15	ng	0.00
23) Nitrobenzene-d5	7.27	82	150130	13.61	ng	-0.01
41) 2,4,6-Tribromophenol	10.54	330	42596	15.77	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	285046	15.38	ng	0.00
78) Terphenyl-d14	12.82	244	180554	15.70	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
53) 2,4-Dinitrophenol	10.04	184	243	3.802	ng	# 15
57) Fluorene	10.30	166	38832	2.101	ng	98
70) Phenanthrene	11.26	178	344447	15.329	ng	99
71) Anthracene	11.31	178	118508	5.167	ng	97
74) Fluoranthene	12.46	202	475187	20.737	ng	97
77) Pyrene	12.69	202	408080	20.355	ng	99
80) Benzo(a)anthracene	13.87	228	233550	14.629	ng	97
82) Chrysene	13.91	228	193807	11.955	ng	96
83) Bis(2-ethylhexyl)phthalate	13.85	149	69431	5.178	ng	95
85) Indeno(1,2,3-cd)pyrene	16.73	276	136007	10.158	ng	98
87) Benzo(b)fluoranthene	14.92	252	379264	20.107	ng	# 82
88) Benzo(k)fluoranthene	14.92	252	379264	21.282	ng	# 84
89) Benzo(a)pyrene	15.26	252	214910	12.633	ng	# 86
90) Dibenzo(a,h)anthracene	16.73	278	36221	2.628	ng	# 54
91) Benzo(a,h,i)perylene	17.16	276	125061	9.191	ng	# 93

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

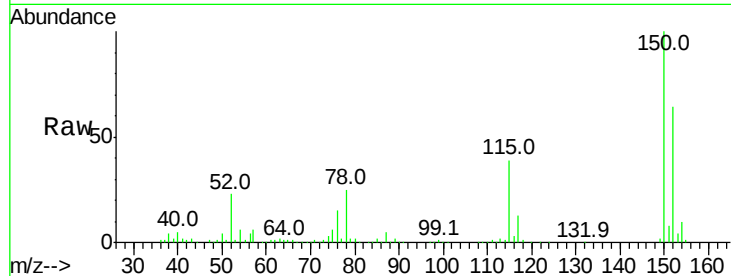


#1

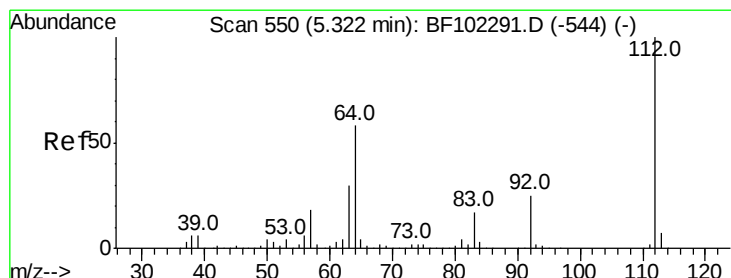
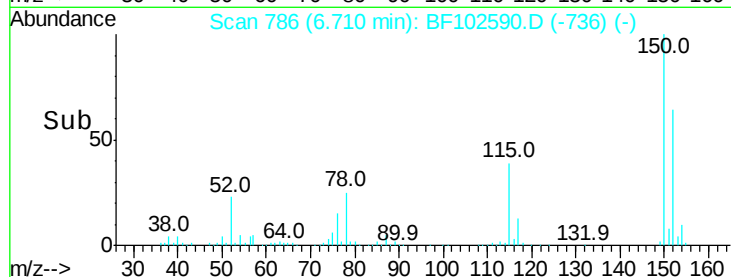
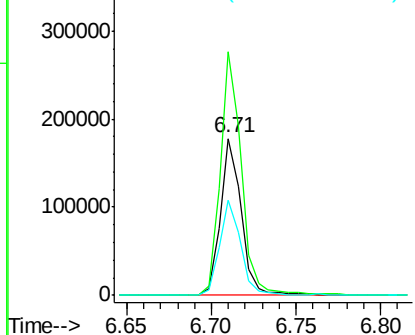
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.71 min Scan# 786
Delta R.T. -0.01 min
Lab File: BF102590.D
Acq: 29 Jan 2018 11:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 154709
Ion Ratio Lower Upper
152 100
150 155.2 124.6 186.8
115 60.6 50.1 75.1



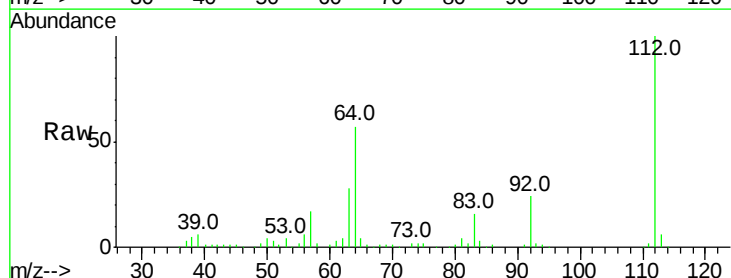
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



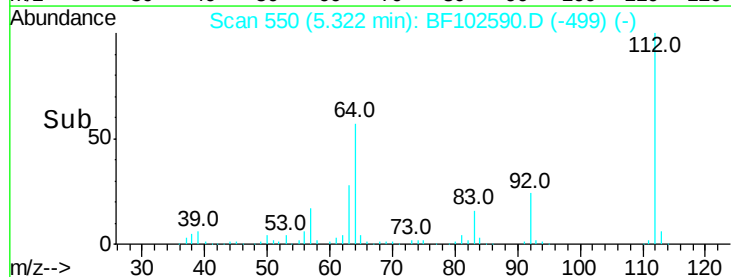
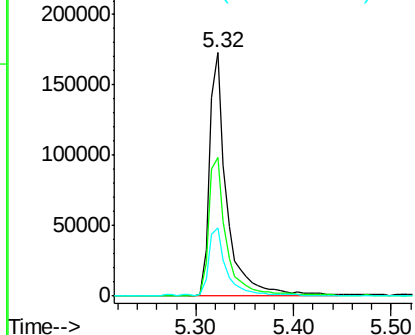
#5

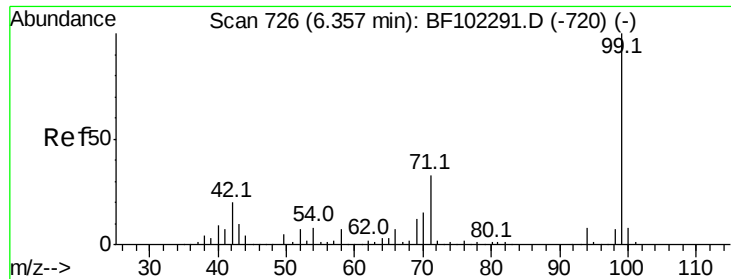
2-Fluorophenol
Concen: 20.932 ng
RT: 5.32 min Scan# 550
Delta R.T. 0.00 min
Lab File: BF102590.D
Acq: 29 Jan 2018 11:53

Tgt Ion:112 Resp: 213571
Ion Ratio Lower Upper
112 100
64 57.0 47.9 71.9
63 27.9 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: 22.153 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF102590.D

Acq: 29 Jan 2018 11:53

Instrument :

BNA_F

ClientSampleId :

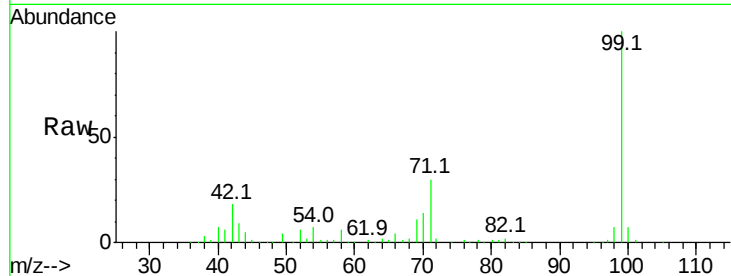
Tot Ion: 99 Resp: 272500

Ion Ratio Lower Upper

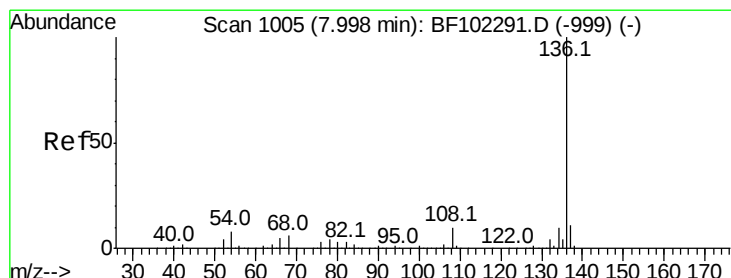
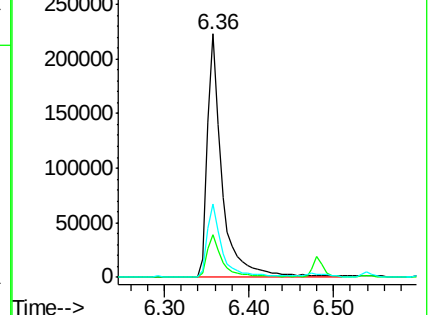
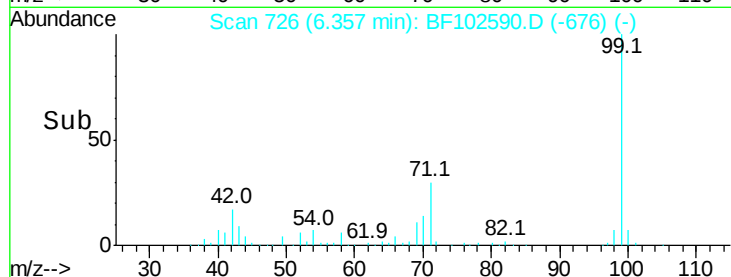
99 100

42 17.6 14.5 21.7

71 30.4 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: BF102590.D

Acq: 29 Jan 2018 11:53

Tgt Ion: 136 Resp: 634109

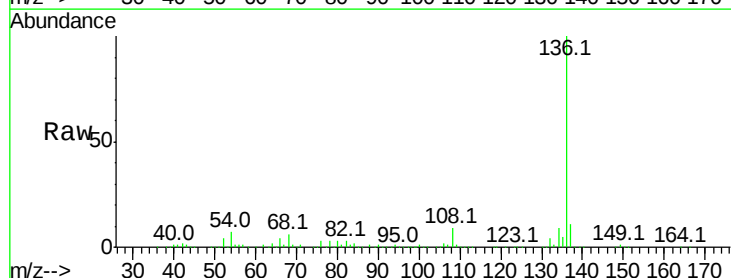
Ion Ratio Lower Upper

136 100

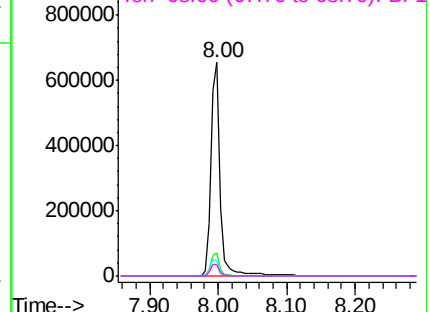
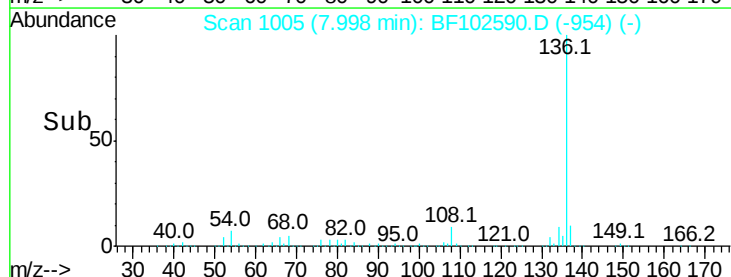
137 10.5 8.9 13.3

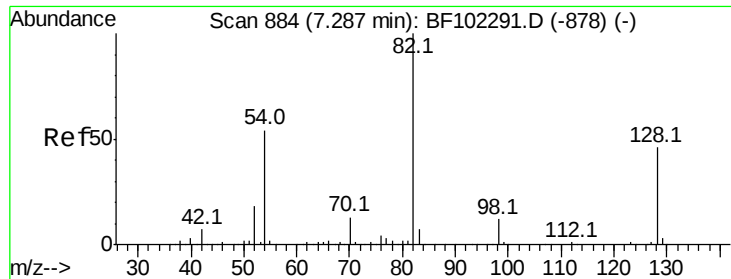
54 7.0 6.6 9.8

68 5.5 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

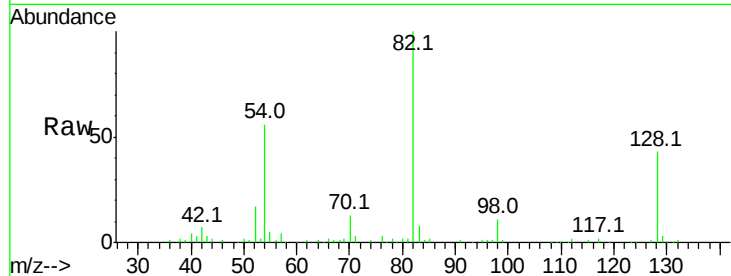




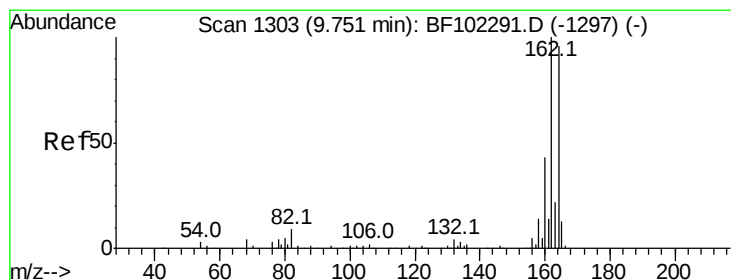
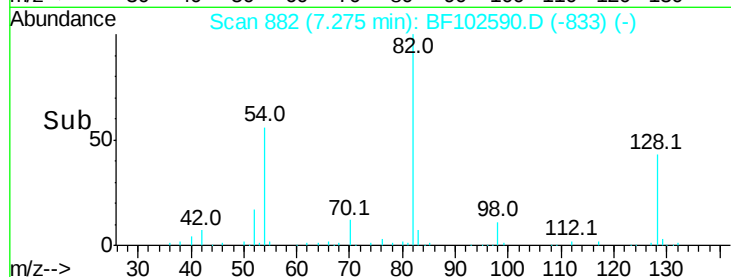
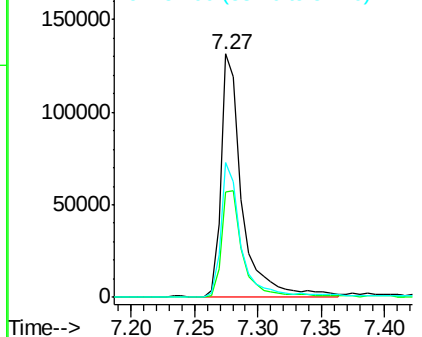
#23
 Nitrobenzene-d5
 Concen: 13.606 ng
 RT: 7.27 min Scan# 882
 Delta R.T. -0.01 min
 Lab File: BF102590.D
 Acq: 29 Jan 2018 11:53

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion: 82 Resp: 150130
 Ion Ratio Lower Upper
 82 100
 128 43.2 36.1 54.1
 54 55.5 41.4 62.2

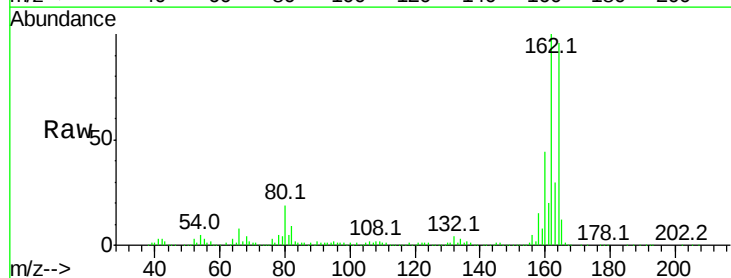


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

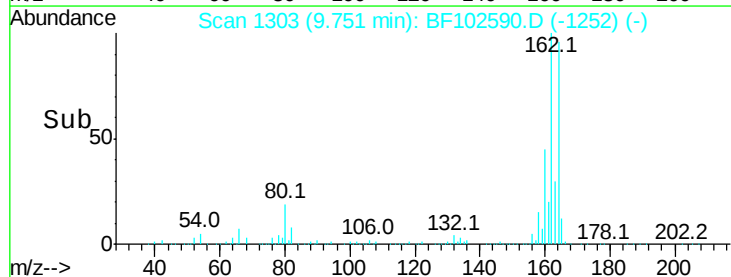
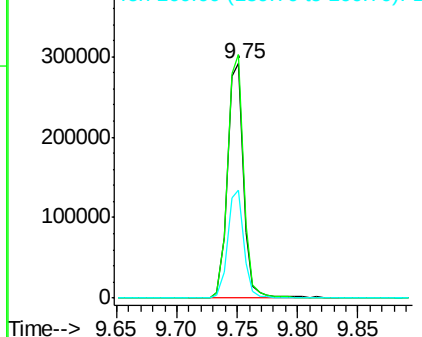


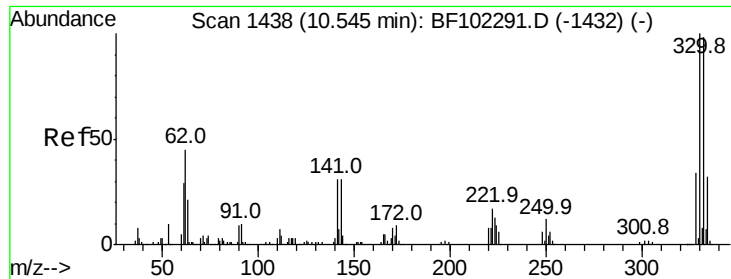
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.75 min Scan# 1303
 Delta R.T. 0.00 min
 Lab File: BF102590.D
 Acq: 29 Jan 2018 11:53

Tgt Ion:164 Resp: 272561
 Ion Ratio Lower Upper
 164 100
 162 103.8 86.1 129.1
 160 46.2 38.3 57.5



Abundance Ion 164.00 (163.70 to 164.70): BF1
 Ion 162.00 (161.70 to 162.70): BF1
 Ion 160.00 (159.70 to 160.70): BF1

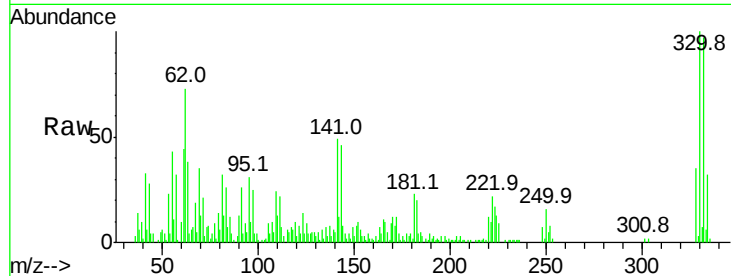




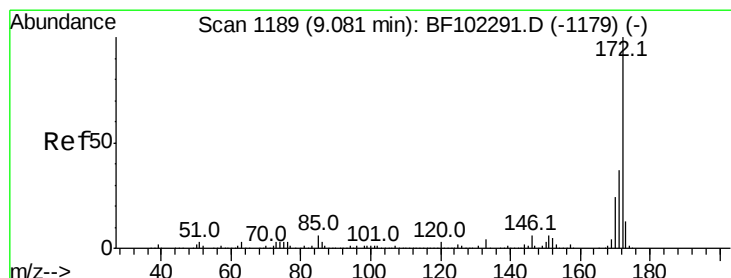
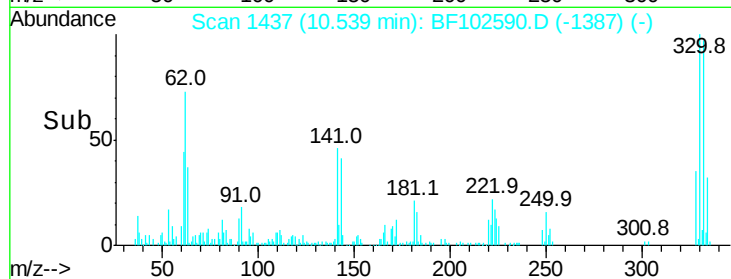
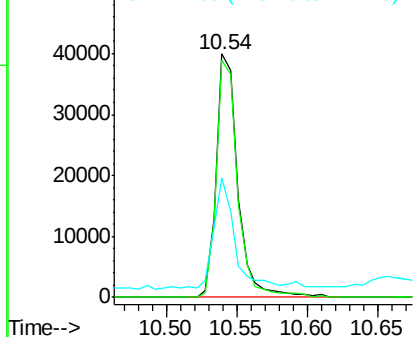
#41
 2,4,6-Tribromophenol
 Concen: 15.772 ng
 RT: 10.54 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BF102590.D
 Acq: 29 Jan 2018 11:53

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 42596
 Ion Ratio Lower Upper
 330 100
 332 96.5 77.0 115.6
 141 44.1 29.9 44.9

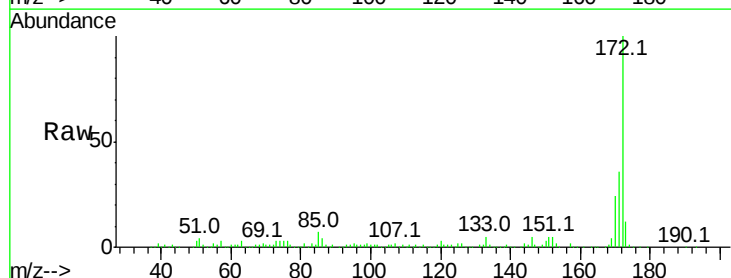


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

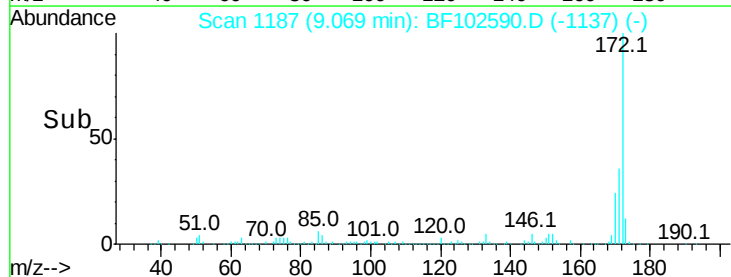
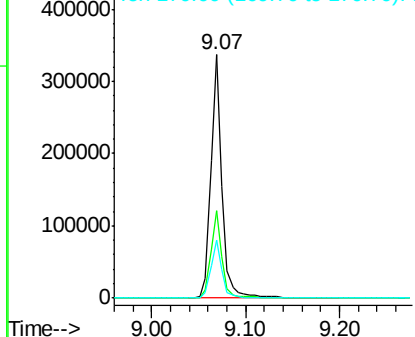


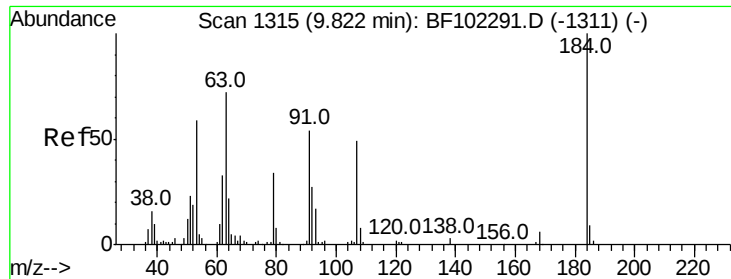
#44
 2-Fluorobiphenyl
 Concen: 15.377 ng
 RT: 9.07 min Scan# 1187
 Delta R.T. -0.01 min
 Lab File: BF102590.D
 Acq: 29 Jan 2018 11:53

Tgt Ion:172 Resp: 285046
 Ion Ratio Lower Upper
 172 100
 171 36.0 29.7 44.5
 170 23.9 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





#53

2,4-Dinitrophenol

Concen: 3.802 ng

RT: 10.04 min Scan# 1352

Delta R.T. 0.21 min

Lab File: BF102590.D

Acq: 29 Jan 2018 11:53

Instrument :

BNA_F

ClientSampled :

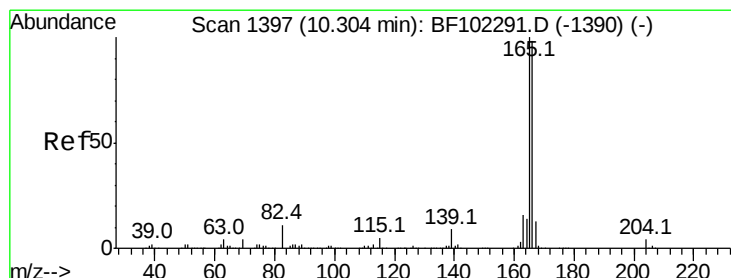
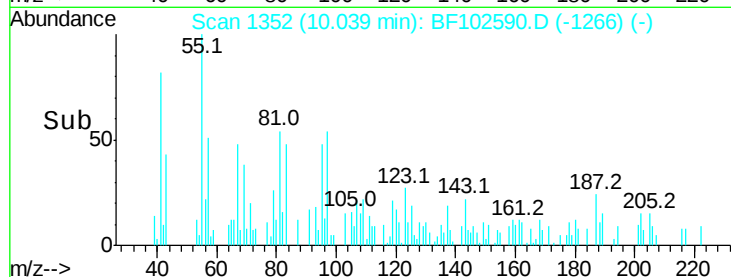
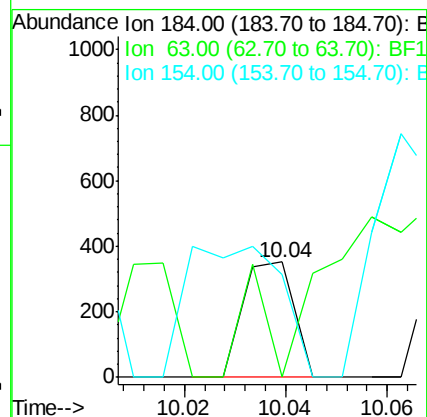
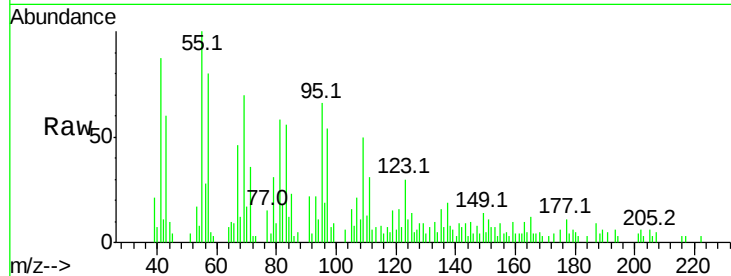
Tot Ion:184 Resp: 243

Ion Ratio Lower Upper

184 100

63 0.0 54.2 81.2#

154 88.9 184.0 276.0#



#57

Fluorene

Concen: 2.101 ng

RT: 10.30 min Scan# 1396

Delta R.T. -0.01 min

Lab File: BF102590.D

Acq: 29 Jan 2018 11:53

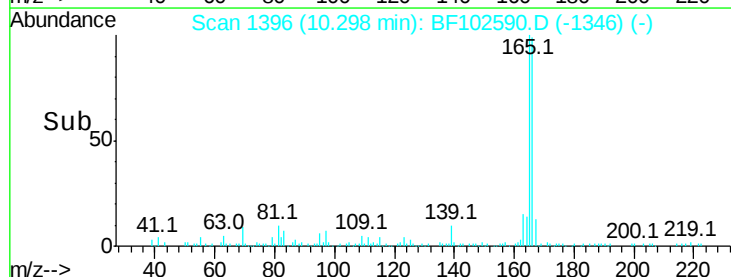
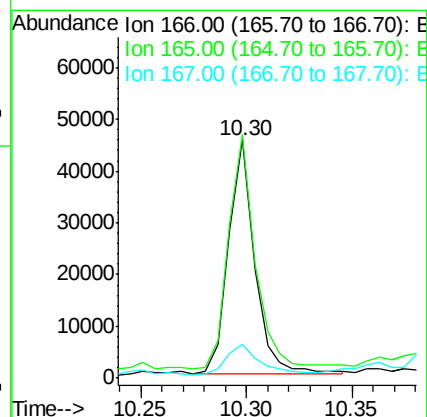
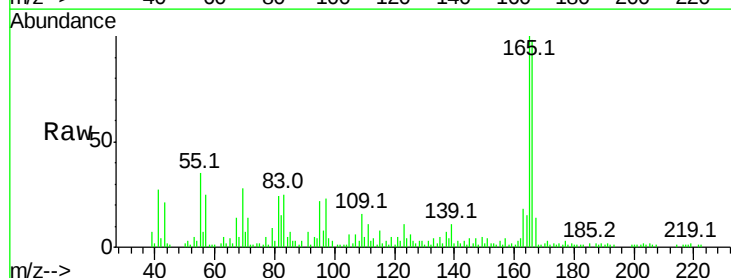
Tgt Ion:166 Resp: 38832

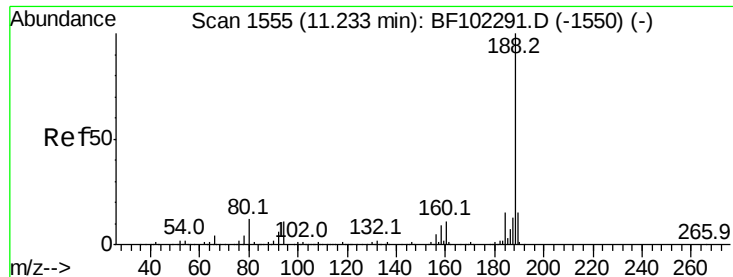
Ion Ratio Lower Upper

166 100

165 102.2 79.8 119.8

167 14.4 10.6 16.0

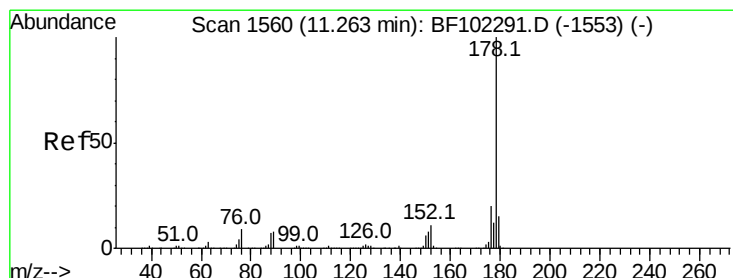
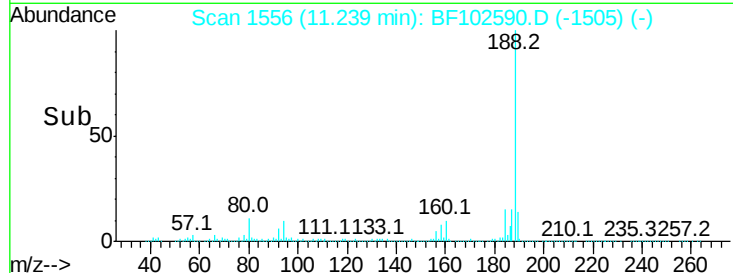
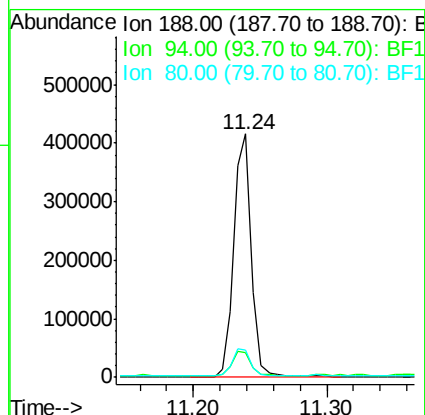
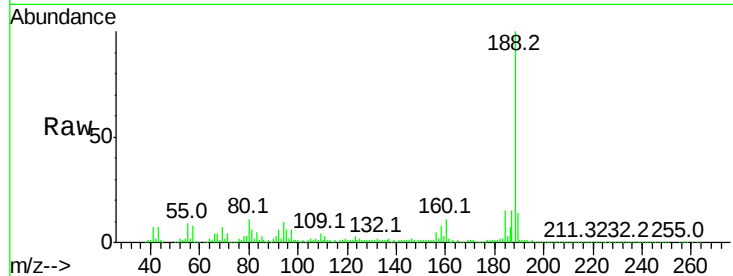




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1556
Delta R.T. 0.00 min
Lab File: BF102590.D
Acq: 29 Jan 2018 11:53

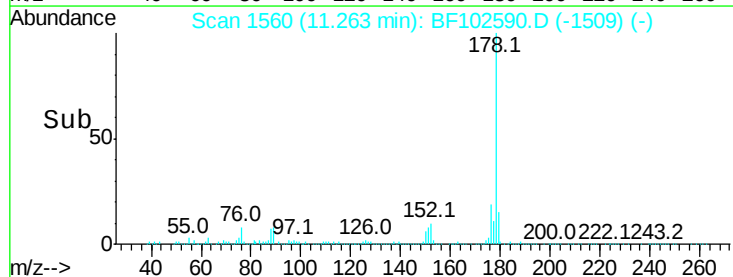
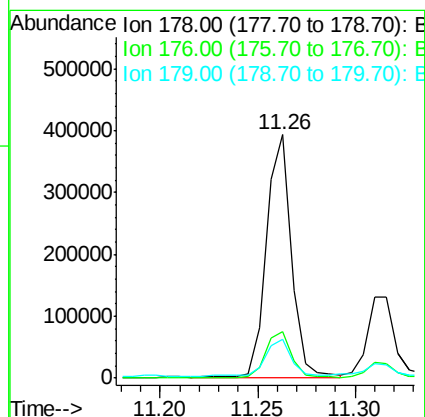
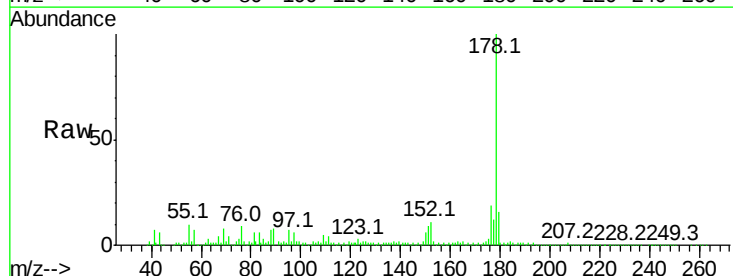
Instrument :
BNA_F
ClientSampled :

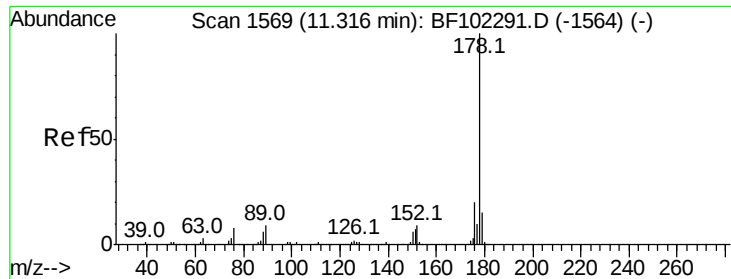
Tot Ion:188 Resp: 385615
Ion Ratio Lower Upper
188 100
94 10.4 8.5 12.7
80 11.4 9.2 13.8



#70
Phenanthrene
Concen: 15.329 ng
RT: 11.26 min Scan# 1560
Delta R.T. 0.00 min
Lab File: BF102590.D
Acq: 29 Jan 2018 11:53

Tgt Ion:178 Resp: 344447
Ion Ratio Lower Upper
178 100
176 18.9 15.8 23.8
179 16.1 13.0 19.6

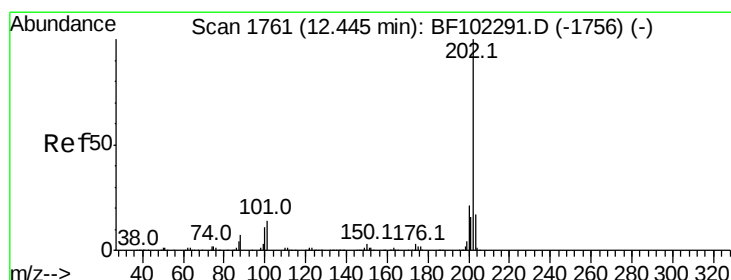
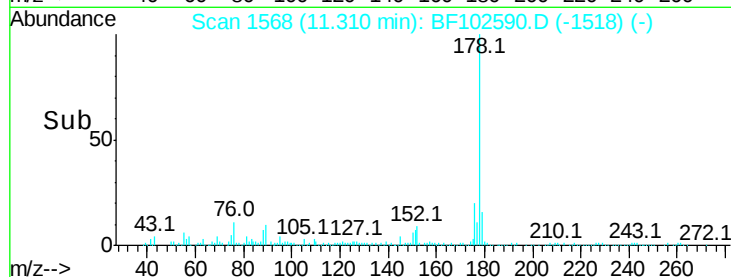
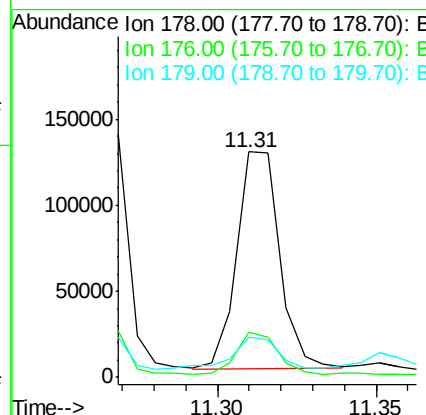
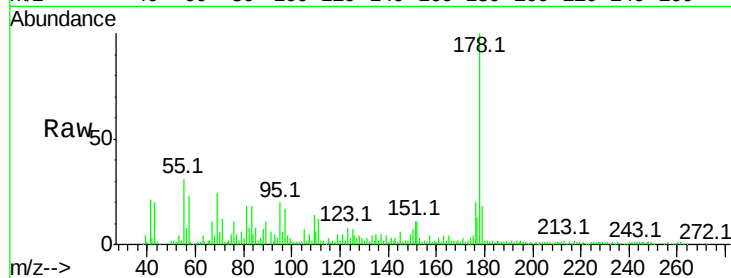




#71
 Anthracene
 Concen: 5.167 ng
 RT: 11.31 min Scan# 1568
 Delta R.T. -0.01 min
 Lab File: BF102590.D
 Acq: 29 Jan 2018 11:53

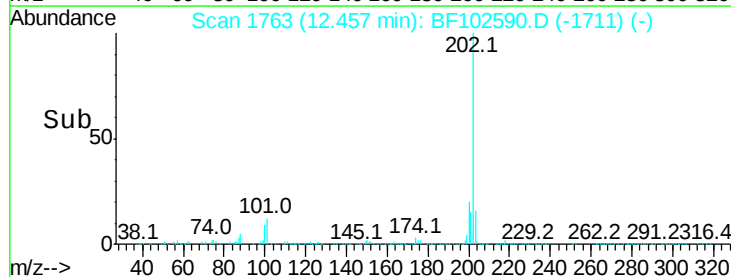
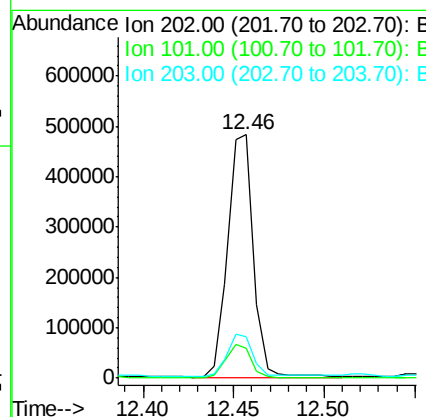
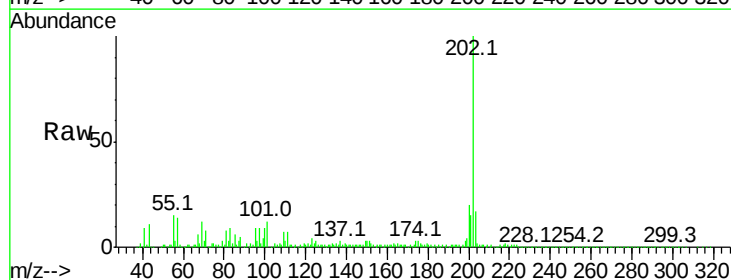
Instrument :
 BNA_F
 ClientSampleId :

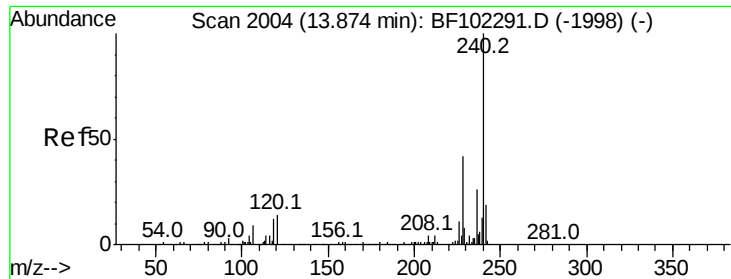
Tot Ion:178 Resp: 118508
 Ion Ratio Lower Upper
 178 100
 176 20.1 15.4 23.2
 179 17.8 12.6 19.0



#74
 Fluoranthene
 Concen: 20.737 ng
 RT: 12.46 min Scan# 1763
 Delta R.T. 0.01 min
 Lab File: BF102590.D
 Acq: 29 Jan 2018 11:53

Tgt Ion:202 Resp: 475187
 Ion Ratio Lower Upper
 202 100
 101 12.1 0.0 34.1
 203 17.1 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.89 min Scan# 2006

Delta R.T. 0.01 min

Lab File: BF102590.D

Acq: 29 Jan 2018 11:53

Instrument :

BNA_F

ClientSampleId :

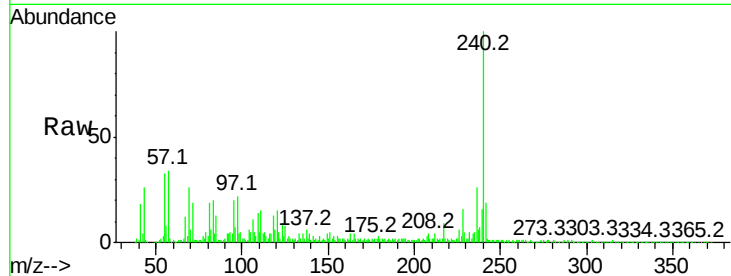
Tot Ion:240 Resp: 259305

Ion Ratio Lower Upper

240 100

120 15.5 9.5 14.3#

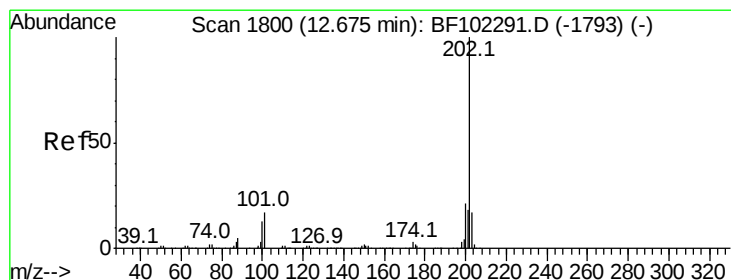
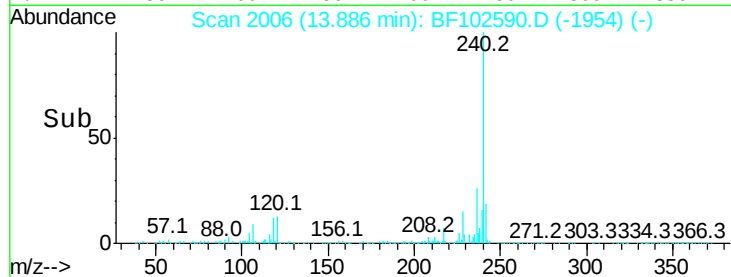
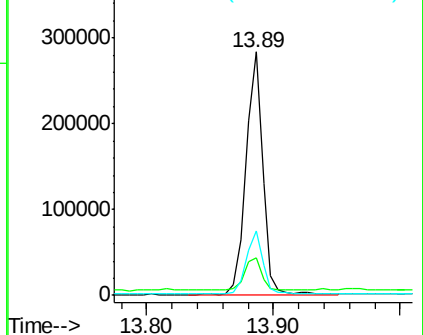
236 26.3 20.7 31.1



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: 20.355 ng

RT: 12.69 min Scan# 1802

Delta R.T. 0.01 min

Lab File: BF102590.D

Acq: 29 Jan 2018 11:53

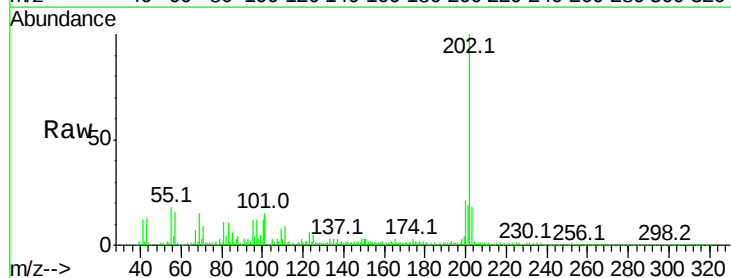
Tgt Ion:202 Resp: 408080

Ion Ratio Lower Upper

202 100

200 21.2 17.4 26.2

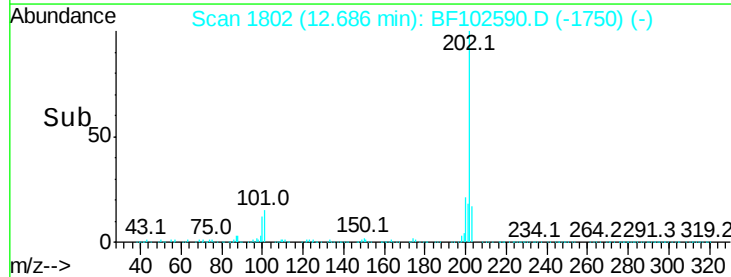
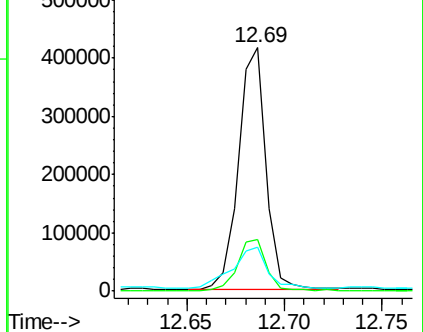
203 18.1 14.3 21.5

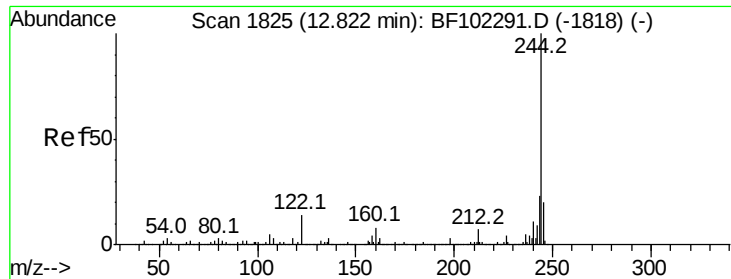


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 15.697 ng

RT: 12.82 min Scan# 1825

Delta R.T. 0.00 min

Lab File: BF102590.D

Acq: 29 Jan 2018 11:53

Instrument :

BNA_F

ClientSampleId :

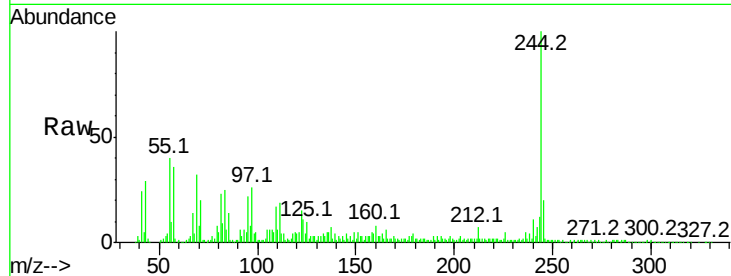
Tot Ion:244 Resp: 180554

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

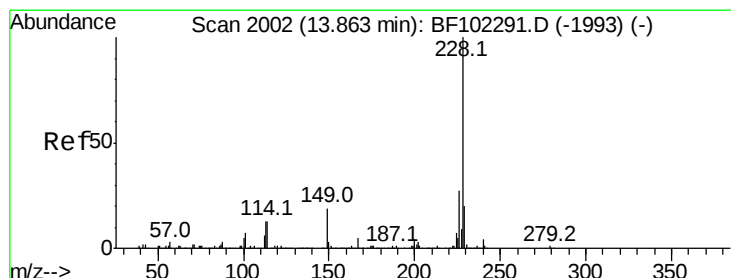
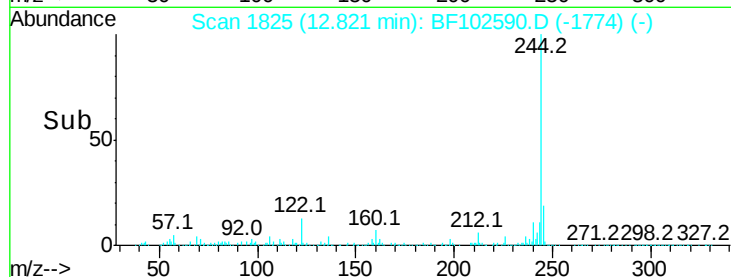
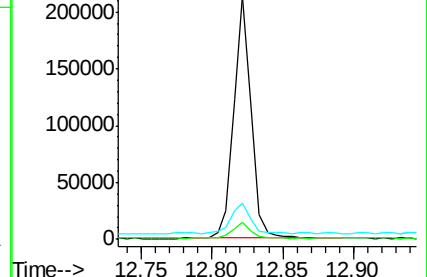
122 15.1 11.0 16.4



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: 14.629 ng

RT: 13.87 min Scan# 2004

Delta R.T. 0.01 min

Lab File: BF102590.D

Acq: 29 Jan 2018 11:53

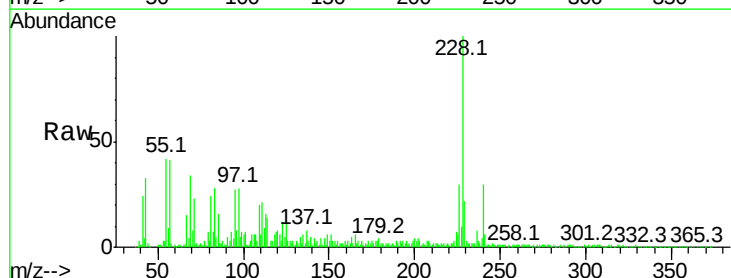
Tgt Ion:228 Resp: 233550

Ion Ratio Lower Upper

228 100

226 29.7 22.6 33.8

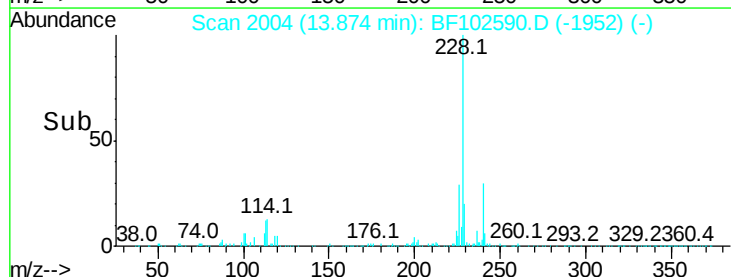
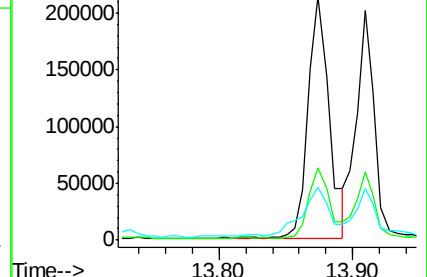
229 21.5 15.8 23.6

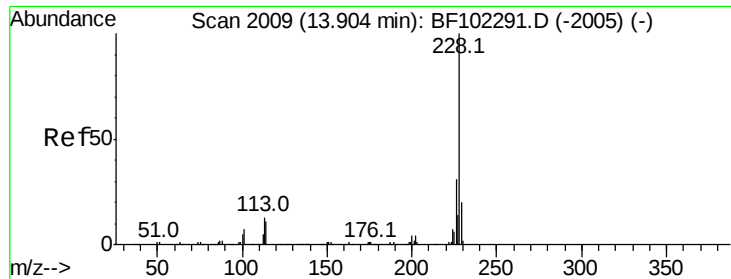


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

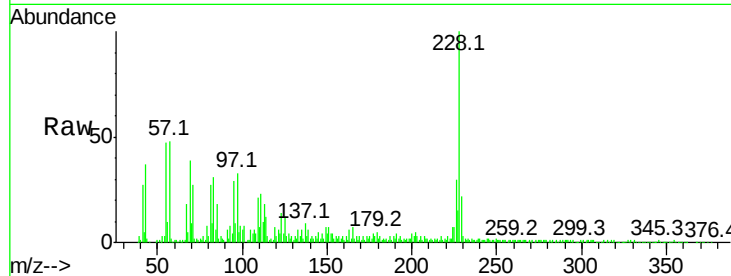




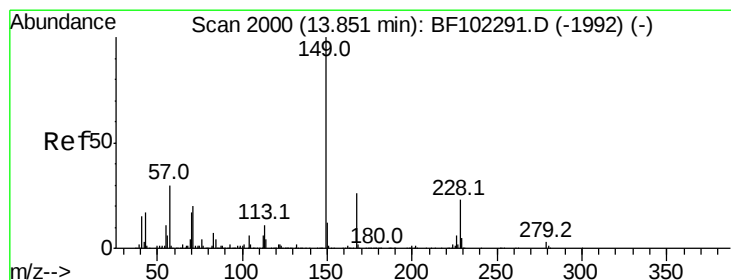
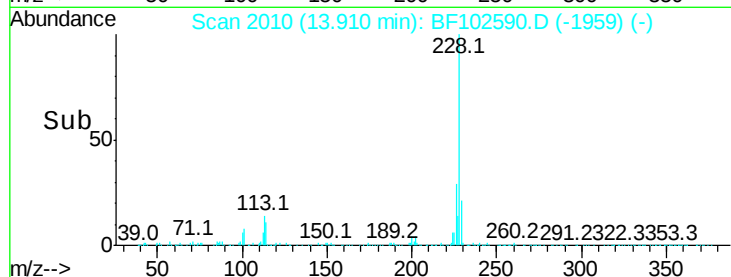
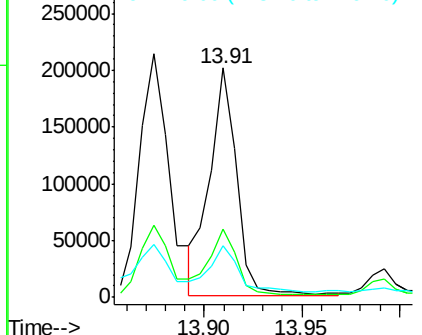
#82
Chrysene
Concen: 11.955 ng
RT: 13.91 min Scan# 2010
Delta R.T. 0.00 min
Lab File: BF102590.D
Acq: 29 Jan 2018 11:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion:228 Resp: 193807
Ion Ratio Lower Upper
228 100
226 29.6 25.0 37.6
229 22.5 16.2 24.4

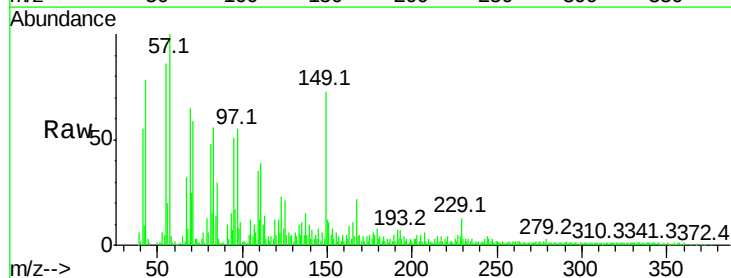


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

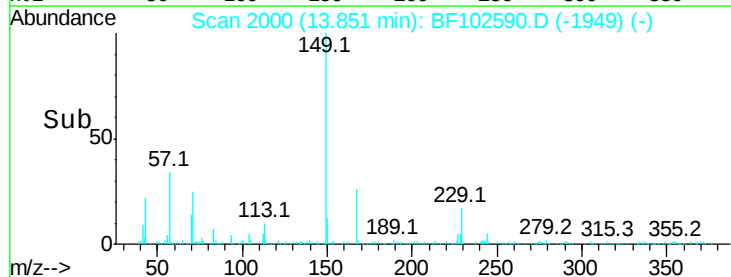
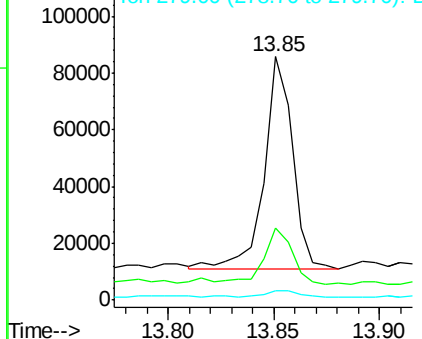


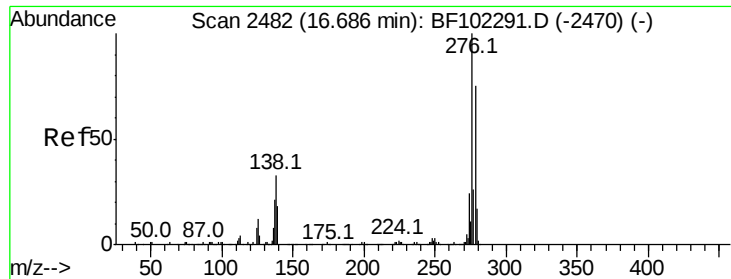
#83
Bis(2-ethylhexyl)phthalate
Concen: 5.178 ng
RT: 13.85 min Scan# 2000
Delta R.T. 0.00 min
Lab File: BF102590.D
Acq: 29 Jan 2018 11:53

Tgt Ion:149 Resp: 69431
Ion Ratio Lower Upper
149 100
167 29.8 21.3 31.9
279 3.7 3.0 4.4



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E

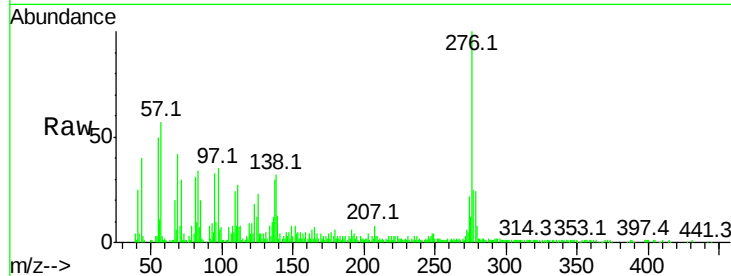




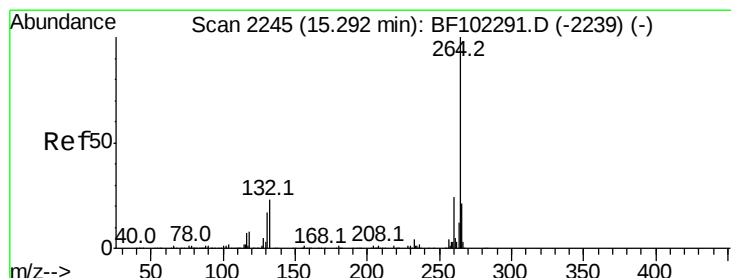
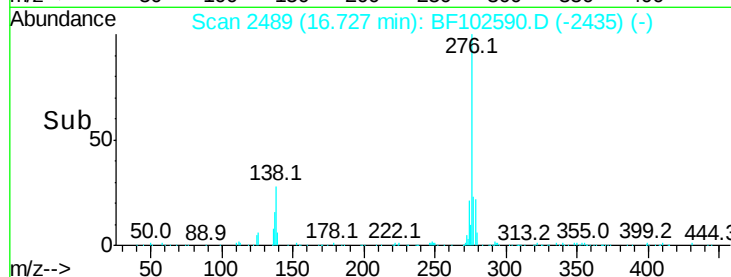
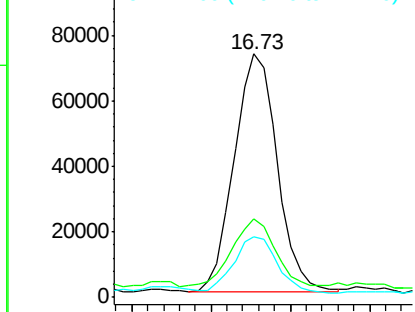
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 10.158 ng
 RT: 16.73 min Scan# 2489
 Delta R.T. 0.02 min
 Lab File: BF102590.D
 Acq: 29 Jan 2018 11:53

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:276 Resp: 136007
 Ion Ratio Lower Upper
 276 100
 138 29.7 25.0 37.6
 277 24.3 20.1 30.1

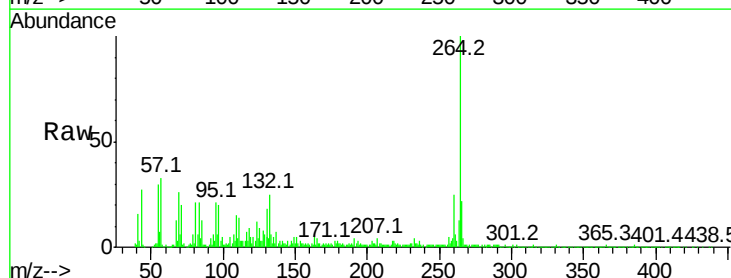


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

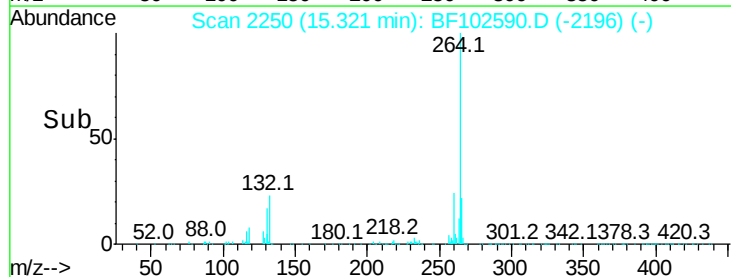
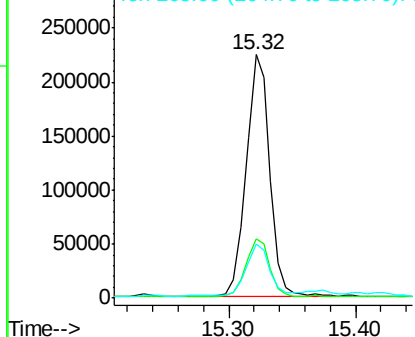


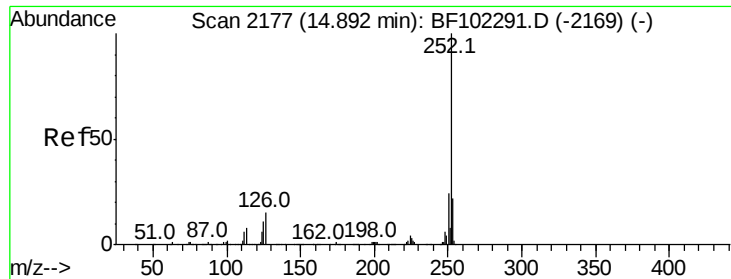
#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.32 min Scan# 2250
 Delta R.T. 0.02 min
 Lab File: BF102590.D
 Acq: 29 Jan 2018 11:53

Tgt Ion:264 Resp: 291018
 Ion Ratio Lower Upper
 264 100
 260 24.5 19.2 28.8
 265 22.2 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: 20.107 ng

RT: 14.92 min Scan# 2181

Delta R.T. 0.02 min

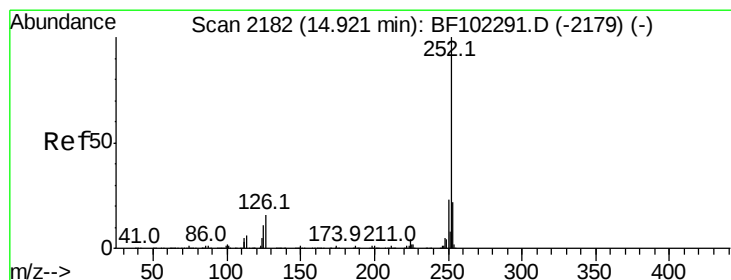
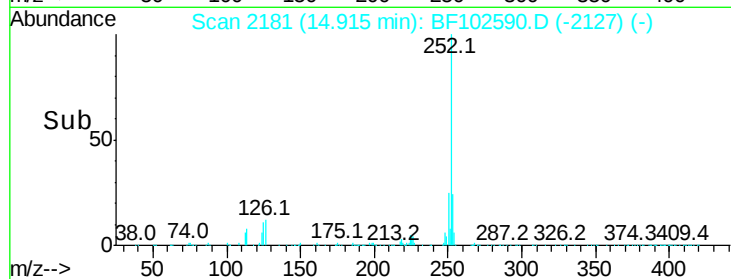
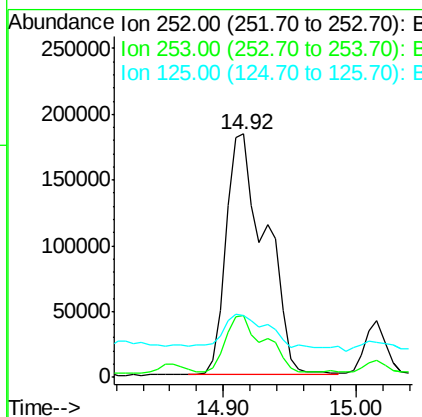
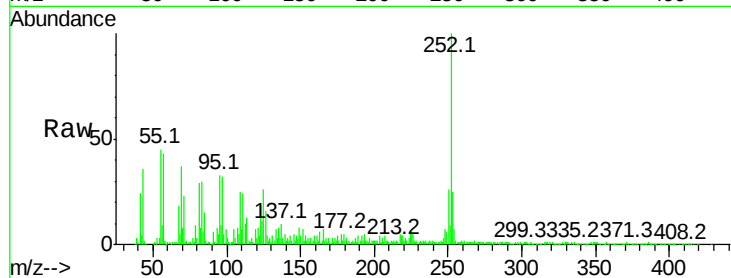
Lab File: BF102590.D

Acq: 29 Jan 2018 11:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 379264

Ion	Ratio	Lower	Upper
252	100		
253	25.2	17.0	25.6
125	25.5	9.0	13.6#



#88

Benzo(k)fluoranthene

Concen: 21.282 ng

RT: 14.92 min Scan# 2181

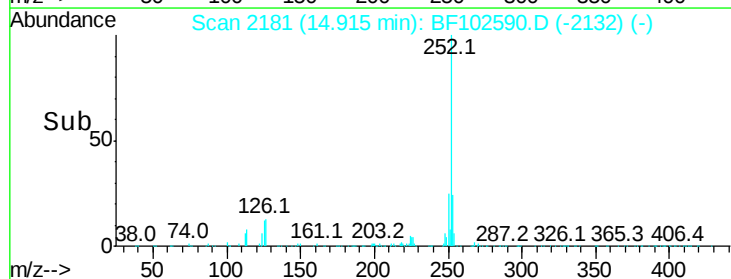
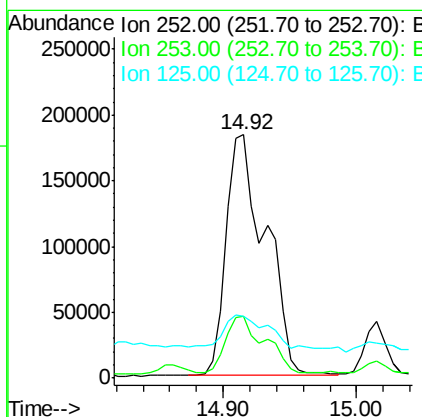
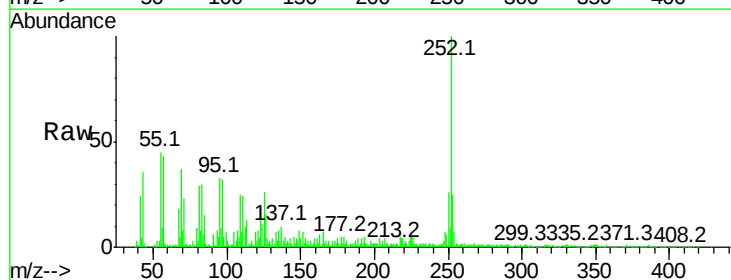
Delta R.T. -0.01 min

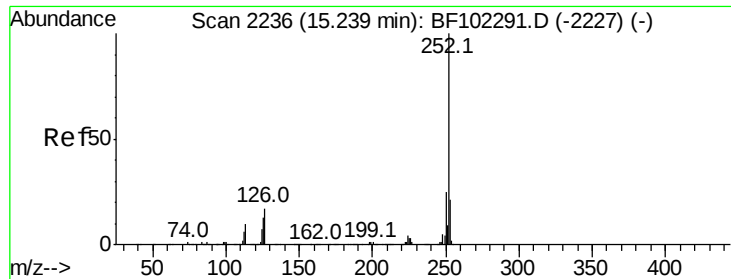
Lab File: BF102590.D

Acq: 29 Jan 2018 11:53

Tgt Ion:252 Resp: 379264

Ion	Ratio	Lower	Upper
252	100		
253	25.2	17.9	26.9
125	25.5	10.2	15.2#





#89

Benzo(a)pyrene

Concen: 12.633 ng

RT: 15.26 min Scan# 2240

Delta R.T. 0.01 min

Lab File: BF102590.D

Acq: 29 Jan 2018 11:53

Instrument :

BNA_F

ClientSampleId :

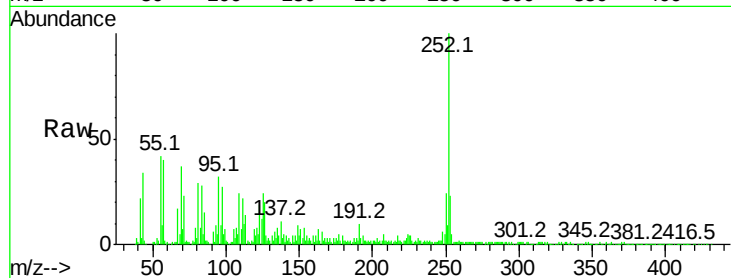
Tot Ion:252 Resp: 214910

Ion Ratio Lower Upper

252 100

253 23.5 17.1 25.7

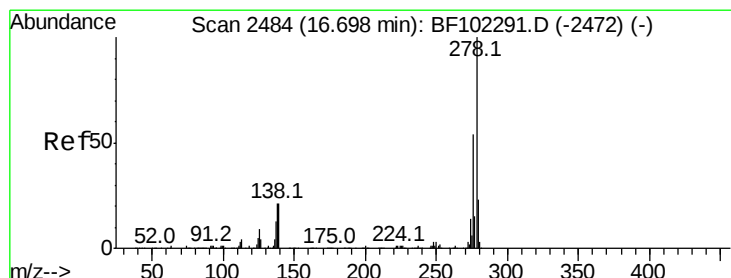
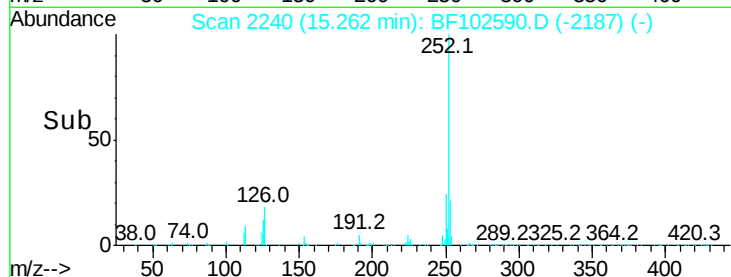
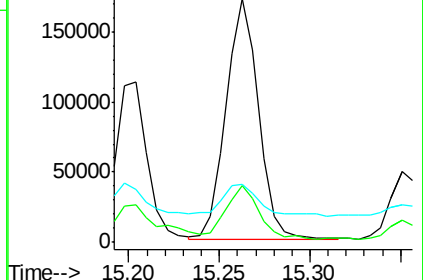
125 24.0 9.8 14.6#



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



#90

Dibenzo(a,h)anthracene

Concen: 2.628 ng

RT: 16.73 min Scan# 2490

Delta R.T. 0.01 min

Lab File: BF102590.D

Acq: 29 Jan 2018 11:53

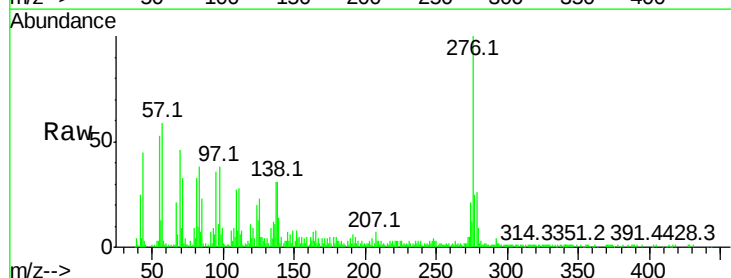
Tgt Ion:278 Resp: 36221

Ion Ratio Lower Upper

278 100

139 55.4 15.9 23.9#

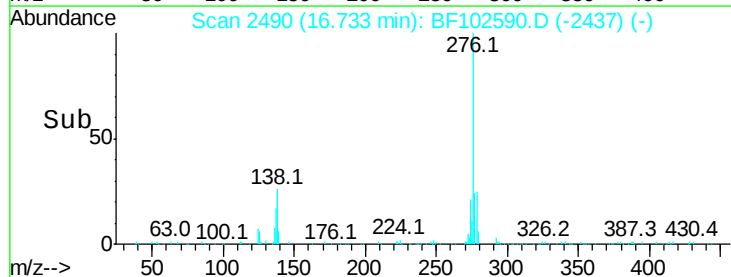
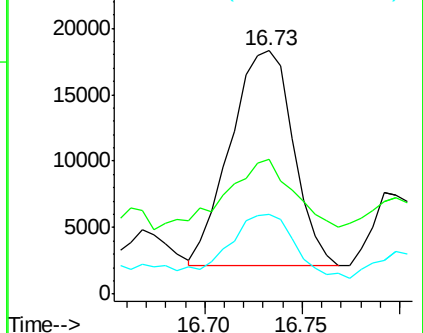
279 32.9 19.0 28.4#

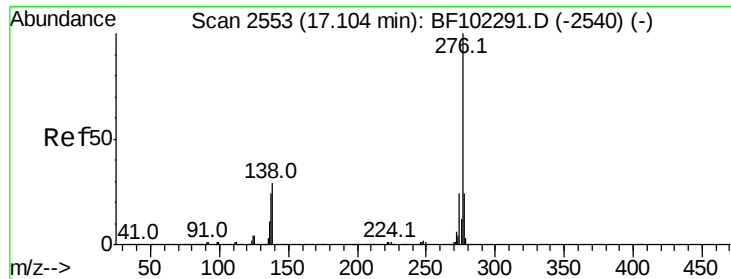


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(a,h,i)perylene

Concen: 9.191 ng

RT: 17.16 min Scan# 2562

Delta R.T. 0.02 min

Lab File: BF102590.D

Acq: 29 Jan 2018 11:53

Instrument :

BNA_F

ClientSampleId :

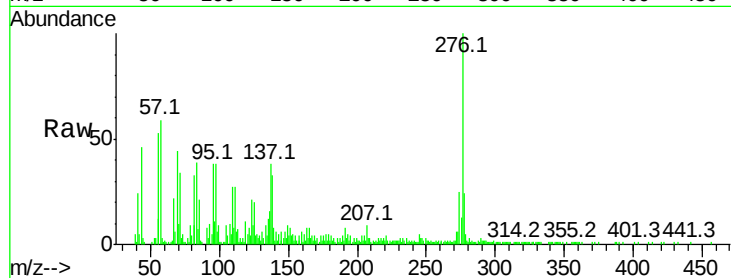
Tot Ion:276 Resp: 125061

Ion Ratio Lower Upper

276 100

277 23.7 17.9 26.9

138 32.8 21.8 32.8#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

