

Data Path : Z:\HPCHEM1\BNA F\DATA\BF021918\
 Data File : BF103101.D
 Acq On : 20 Feb 2018 00:29
 Operator : SJ/JU
 Sample : J1600-01 20X
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 20 01:26:21 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 16 14:34:49 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	169580	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	703620	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	306064	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	459514	20.00	ng	0.00
75) Chrysene-d12	14.06	240	240377	20.00	ng	0.00
86) Perylene-d12	15.54	264	291838	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	63202	5.66	ng	0.00
7) Phenol-d6	6.50	99	81729	6.08	ng	-0.01
23) Nitrobenzene-d5	7.43	82	46474	4.58	ng	-0.01
41) 2,4,6-Tribromophenol	10.70	330	10617	4.31	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	63548	3.45	ng	-0.01
78) Terphenyl-d14	12.99	244	41561	4.09	ng	0.00

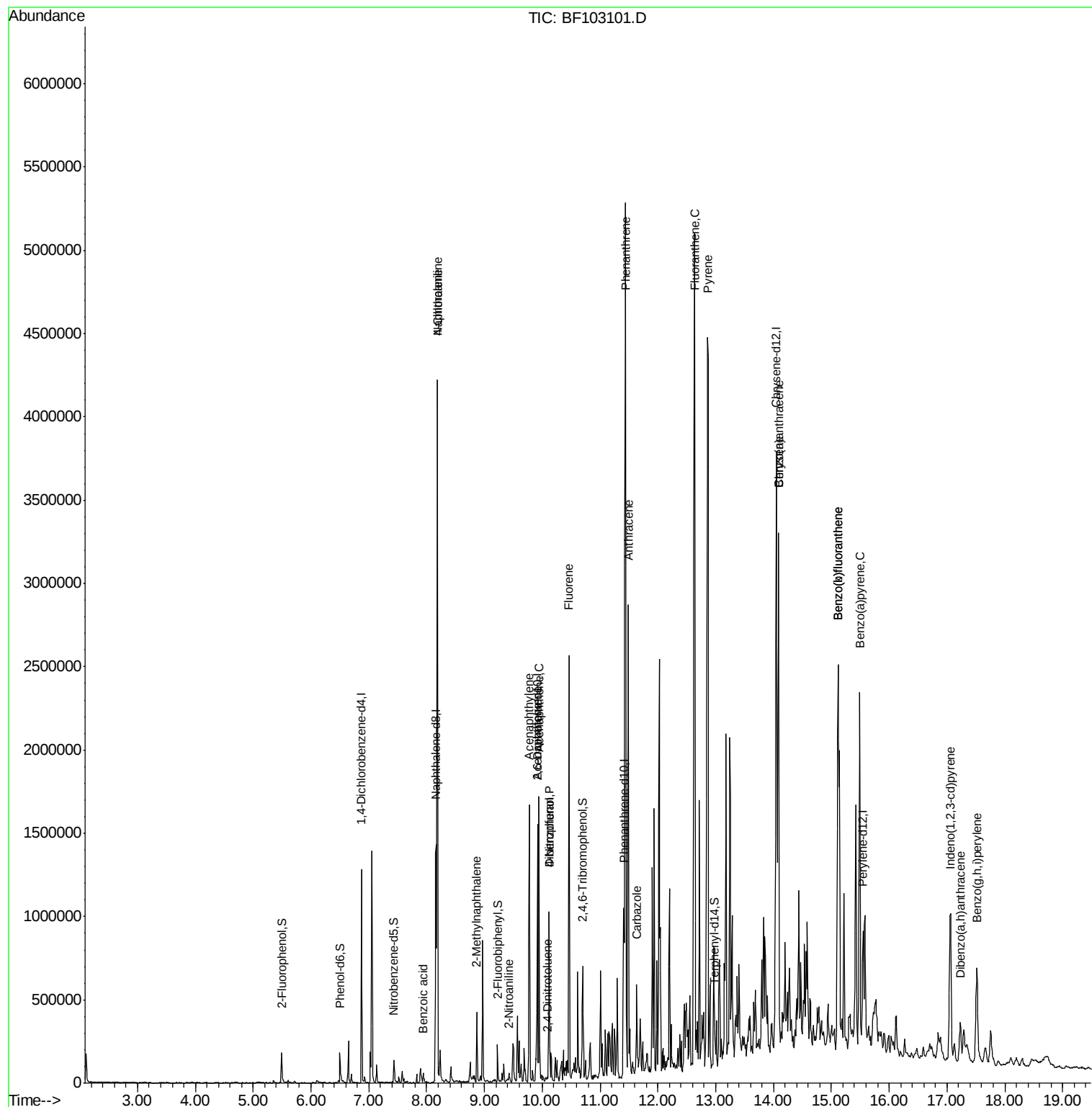
Target Compounds				Qvalue		
24) Nitrobenzene	7.43	77	516	Below Cal	#	38
31) Naphthalene	8.19	128	1927758	56.08	ng	99
32) Benzoic acid	7.95	122	1486	8.75	ng	# 37
33) 4-Chloroaniline	8.19	127	260806	17.61	ng	# 34
37) 2-Methylnaphthalene	8.87	142	106988	4.75	ng	97
47) 2-Nitroaniline	9.43	65	148	3.49	ng	# 2
48) Acenaphthylene	9.77	152	655363	20.79	ng	99
50) 2,6-Dinitrotoluene	9.92	165	49488	10.90	ng	# 26
51) Acenaphthene	9.95	154	324626	17.22	ng	99
54) Dibenzofuran	10.12	168	359985	13.55	ng	97
55) 4-Nitrophenol	10.12	139	138987	32.78	ng	# 10
56) 2,4-Dinitrotoluene	10.09	165	2143	3.40	ng	# 54
57) Fluorene	10.46	166	730933	37.82	ng	97
70) Phenanthrene	11.44	178	2771260	108.29	ng	99
71) Anthracene	11.49	178	1046858	40.22	ng	99
72) Carbazole	11.63	167	189232	7.42	ng	100
74) Fluoranthene	12.64	202	3024355	117.46	ng	100
77) Pyrene	12.87	202	2439949	129.45	ng	100
80) Benzo(a)anthracene	14.09	228	1181338	78.14	ng	93
82) Chrysene	14.09	228	1179836	77.42	ng	97
85) Indeno(1,2,3-cd)pyrene	17.06	276	582265	46.07	ng	95
87) Benzo(b)fluoranthene	15.12	252	2220189	117.34	ng	# 94
88) Benzo(k)fluoranthene	15.12	252	2220189	122.81	ng	97
89) Benzo(a)pyrene	15.49	252	1165849	68.45	ng	95
90) Dibenzo(a,h)anthracene	17.23	278	157525	11.40	ng	98
91) Benzo(g,h,i)perylene	17.52	276	465805	34.43	ng	99

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

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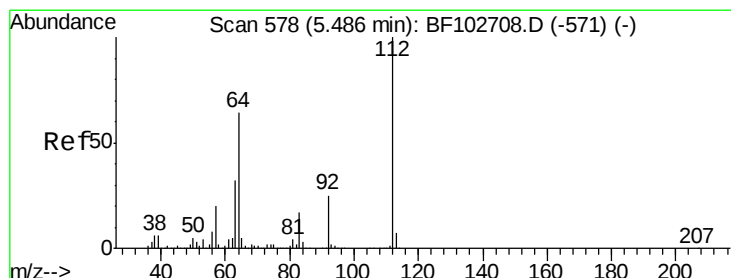
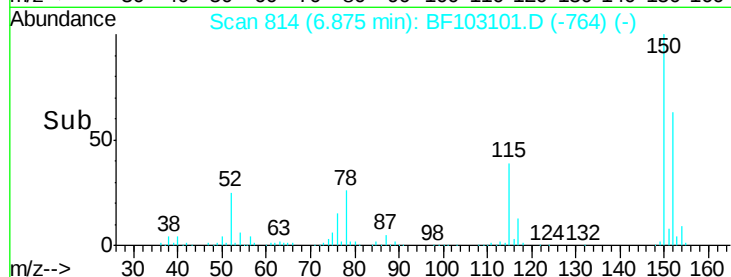
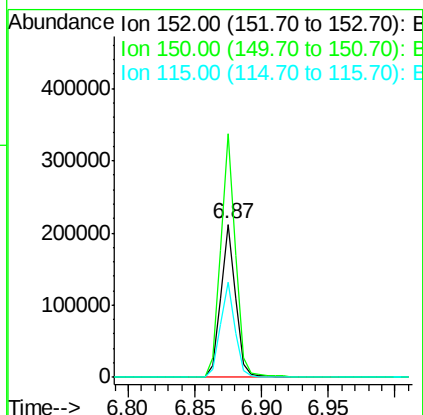
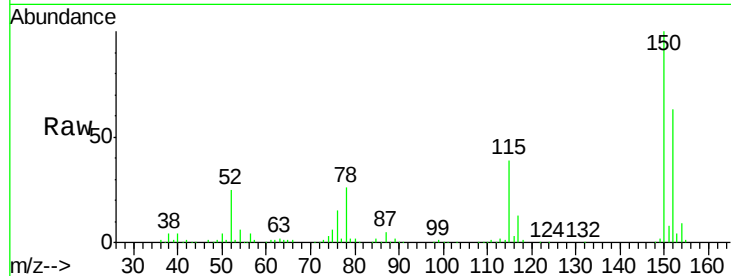


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF103101.D
Acq: 20 Feb 2018 00:29

Instrument :
BNA_F
ClientSampleId :

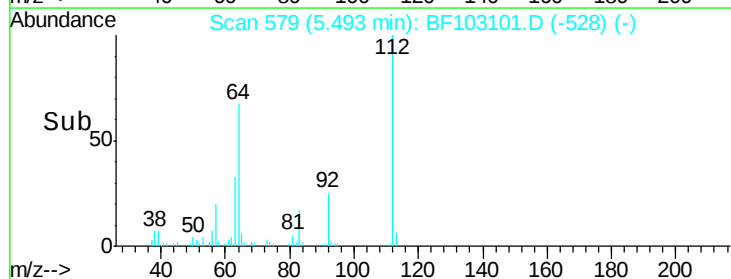
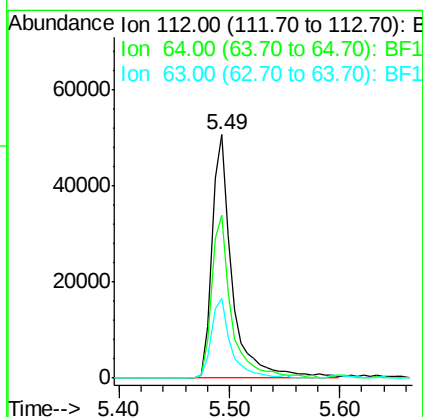
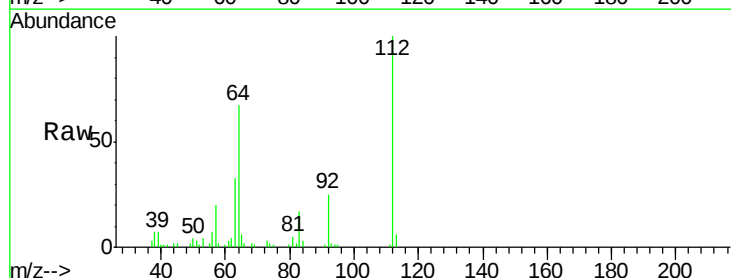
Tot Ion:152 Resp: 169580
Ion Ratio Lower Upper
152 100
150 159.0 124.6 186.8
115 62.3 50.1 75.1



#5

2-Fluorophenol
Concen: 5.66 ng
RT: 5.49 min Scan# 579
Delta R.T. 0.00 min
Lab File: BF103101.D
Acq: 20 Feb 2018 00:29

Tgt Ion:112 Resp: 63202
Ion Ratio Lower Upper
112 100
64 66.8 47.9 71.9
63 32.8 23.7 35.5





#7

Phenol-d6

Concen: 6.08 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF103101.D

Acq: 20 Feb 2018 00:29

Instrument :

BNA_F

ClientSampleId :

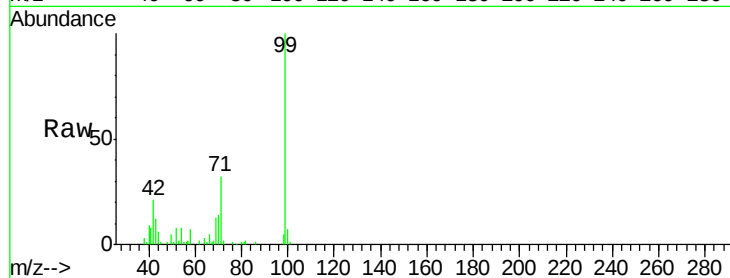
Tot Ion: 99 Resp: 81729

Ion Ratio Lower Upper

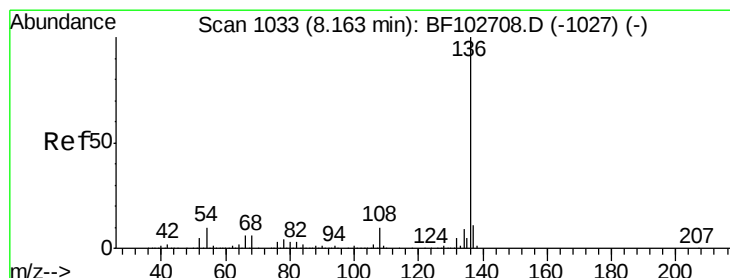
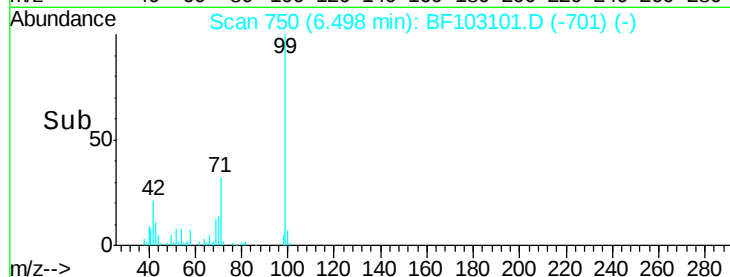
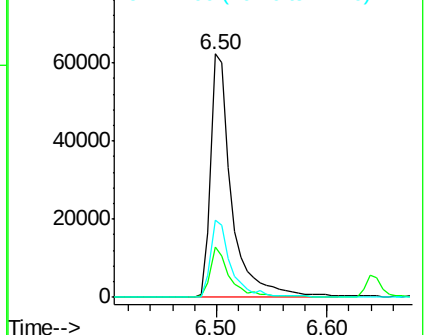
99 100

42 20.9 14.5 21.7

71 31.9 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: 20.00 ng

RT: 8.16 min Scan# 1033

Delta R.T. 0.00 min

Lab File: BF103101.D

Acq: 20 Feb 2018 00:29

Tgt Ion: 136 Resp: 703620

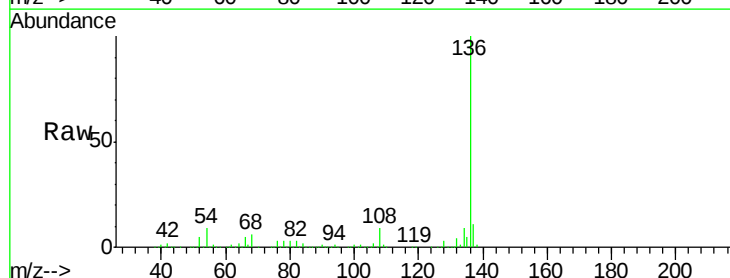
Ion Ratio Lower Upper

136 100

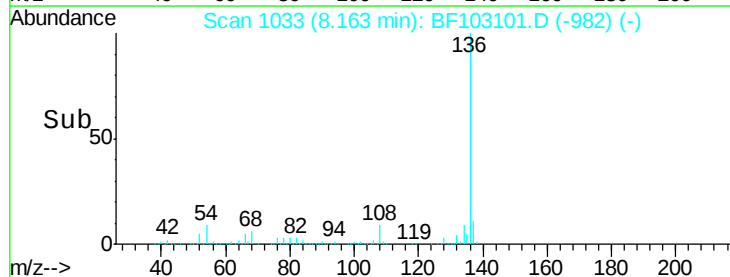
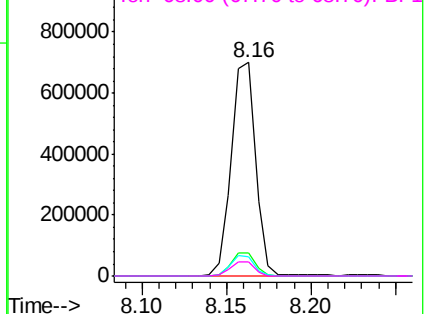
137 11.0 8.9 13.3

54 9.0 6.6 9.8

68 6.3 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

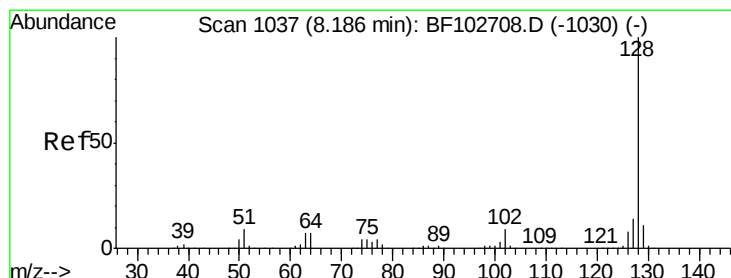
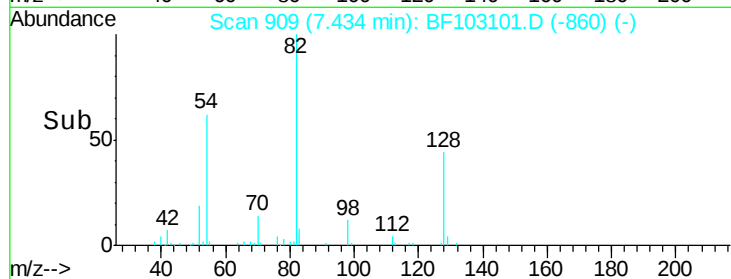
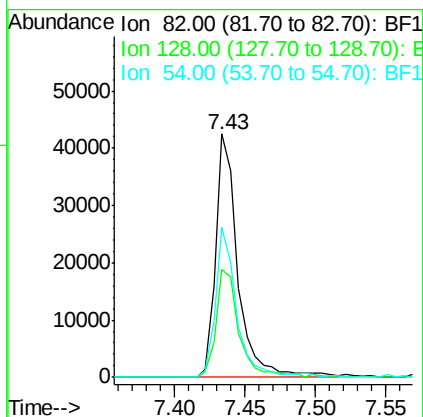
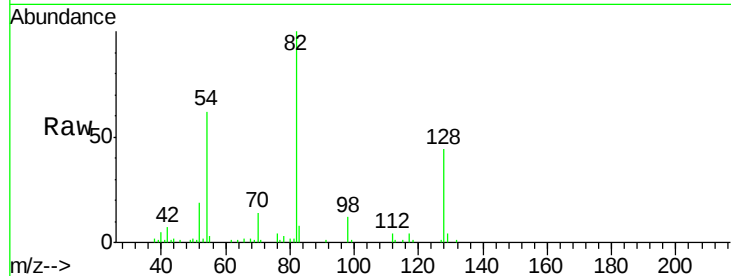




#23
 Nitrobenzene-d5
 Concen: 4.58 ng
 RT: 7.43 min Scan# 909
 Delta R.T. -0.01 min
 Lab File: BF103101.D
 Acq: 20 Feb 2018 00:29

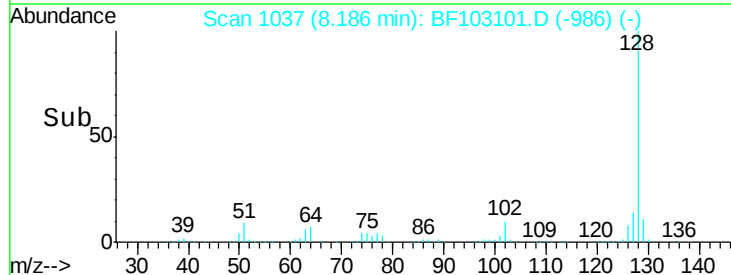
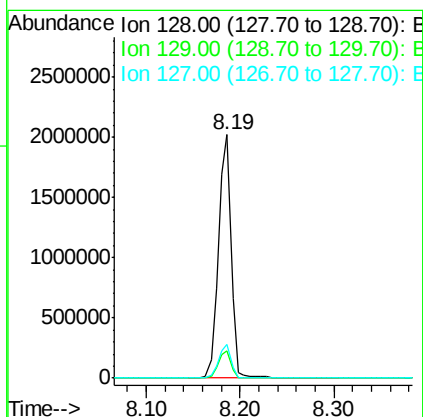
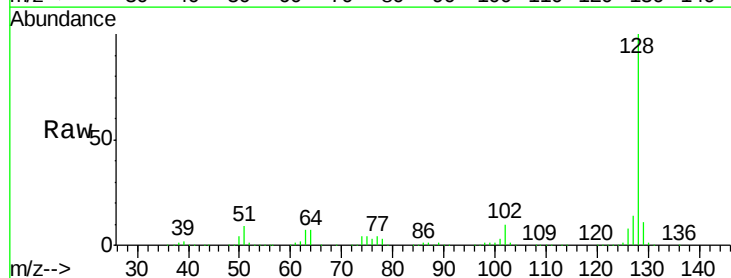
Instrument :
 BNA_F
 ClientSampled :

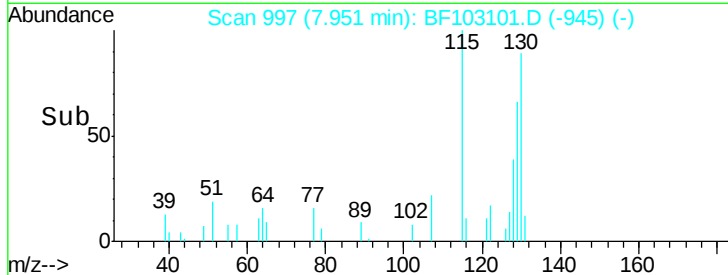
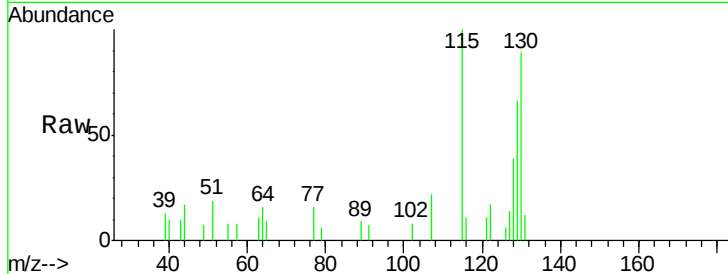
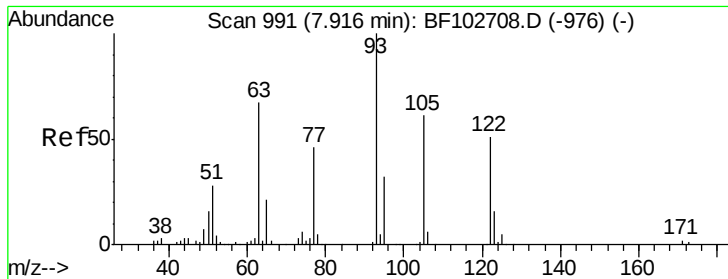
Tot Ion: 82 Resp: 46474
 Ion Ratio Lower Upper
 82 100
 128 44.2 36.1 54.1
 54 61.8 41.4 62.2



#31
 Naphthalene
 Concen: 56.08 ng
 RT: 8.19 min Scan# 1037
 Delta R.T. 0.00 min
 Lab File: BF103101.D
 Acq: 20 Feb 2018 00:29

Tgt Ion: 128 Resp: 1927758
 Ion Ratio Lower Upper
 128 100
 129 11.4 8.8 13.2
 127 13.9 10.9 16.3

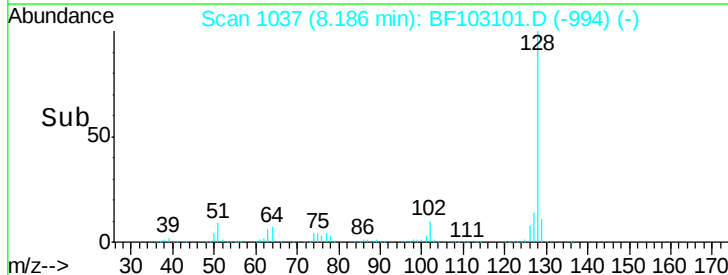
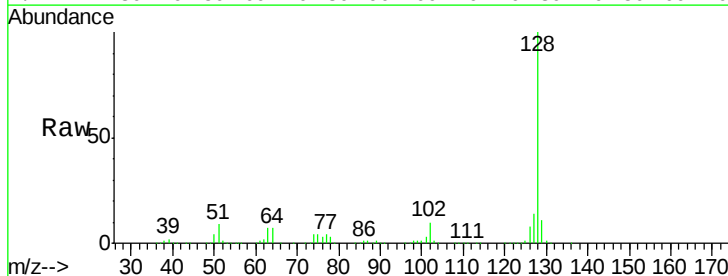
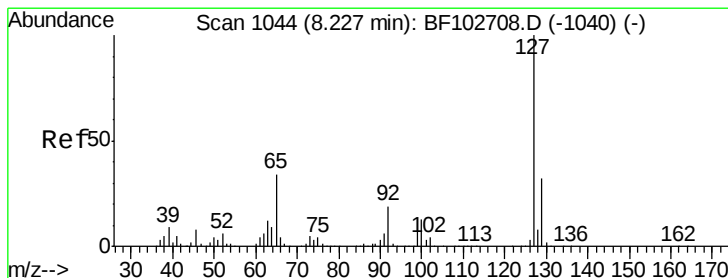
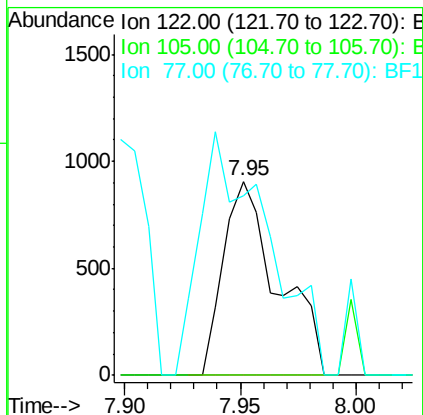




#32
Benzoic acid
Concen: 8.75 ng
RT: 7.95 min Scan# 997
Delta R.T. 0.01 min
Lab File: BF103101.D
Acq: 20 Feb 2018 00:29

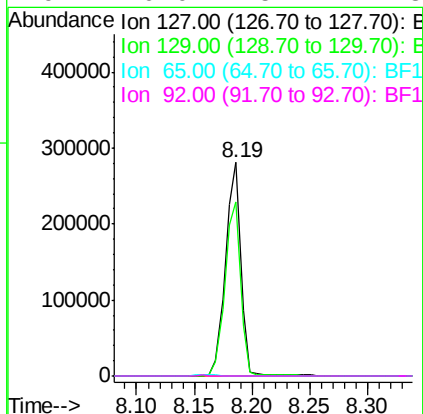
Instrument :
BNA_F
ClientSampleId :

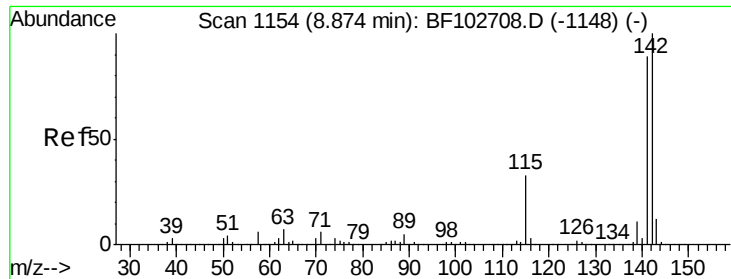
Tot Ion:122 Resp: 1486
Ion Ratio Lower Upper
122 100
105 0.0 101.1 141.1#
77 92.6 70.7 110.7



#33
4-Chloroaniline
Concen: 17.61 ng
RT: 8.19 min Scan# 1037
Delta R.T. -0.05 min
Lab File: BF103101.D
Acq: 20 Feb 2018 00:29

Tgt Ion:127 Resp: 260806
Ion Ratio Lower Upper
127 100
129 81.7 25.9 38.9#
65 0.0 25.0 37.4#
92 0.0 15.2 22.8#

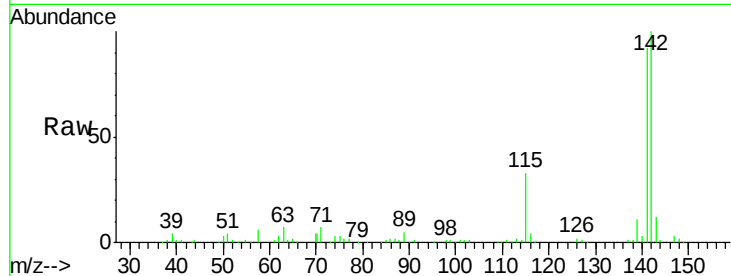




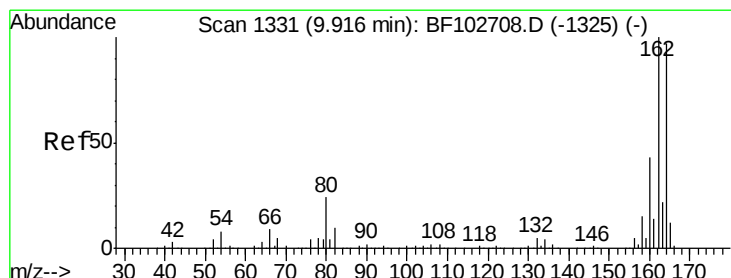
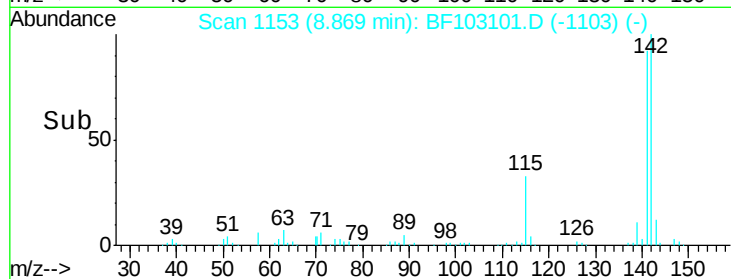
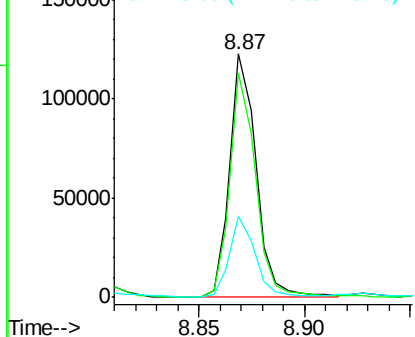
#37
2-Methylnaphthalene
Concen: 4.75 ng
RT: 8.87 min Scan# 1153
Delta R.T. -0.01 min
Lab File: BF103101.D
Acq: 20 Feb 2018 00:29

Instrument :
BNA_F
ClientSampleId :

Tot Ion:142 Resp: 106988
Ion Ratio Lower Upper
142 100
141 92.4 70.8 106.2
115 33.4 26.1 39.1

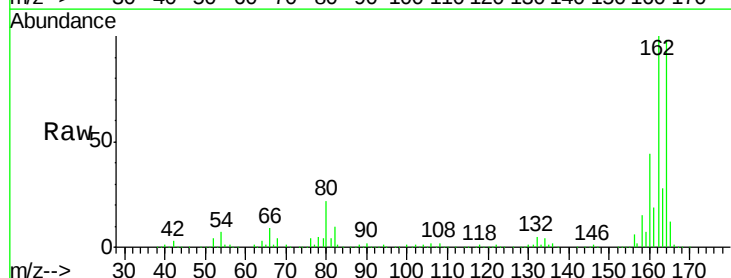


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

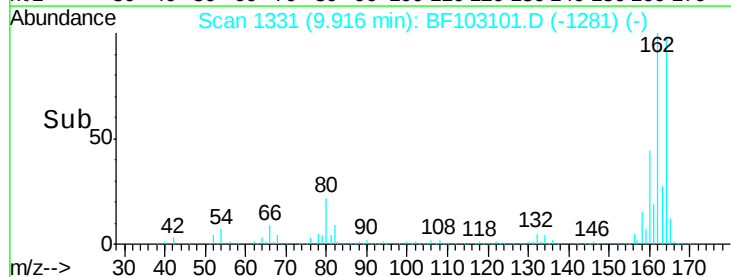
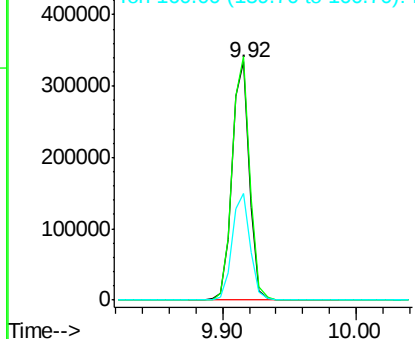


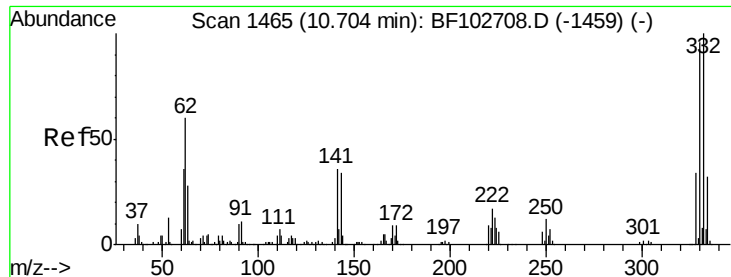
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.01 min
Lab File: BF103101.D
Acq: 20 Feb 2018 00:29

Tgt Ion:164 Resp: 306064
Ion Ratio Lower Upper
164 100
162 102.2 86.1 129.1
160 45.0 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: 4.31 ng

RT: 10.70 min Scan# 1465

Delta R.T. -0.01 min

Lab File: BF103101.D

Acq: 20 Feb 2018 00:29

Instrument :

BNA_F

ClientSampled :

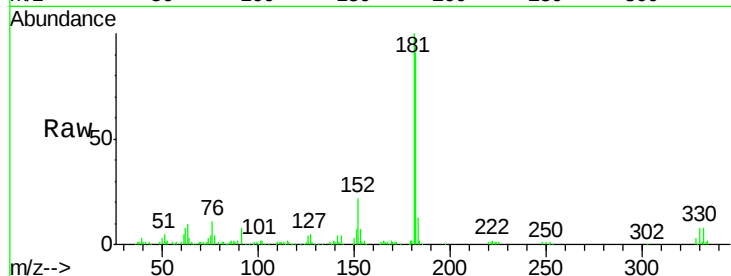
Tot Ion:330 Resp: 10617

Ion Ratio Lower Upper

330 100

332 104.2 77.0 115.6

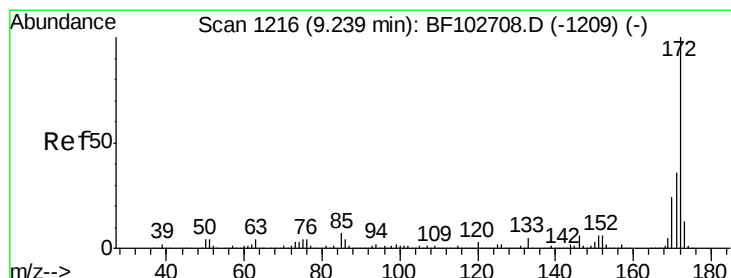
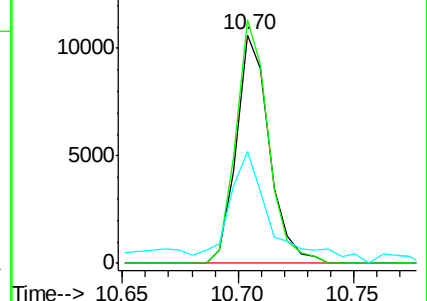
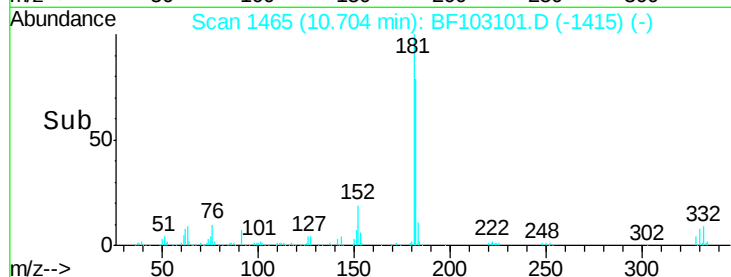
141 62.1 29.9 44.9#



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: 3.45 ng

RT: 9.23 min Scan# 1214

Delta R.T. -0.01 min

Lab File: BF103101.D

Acq: 20 Feb 2018 00:29

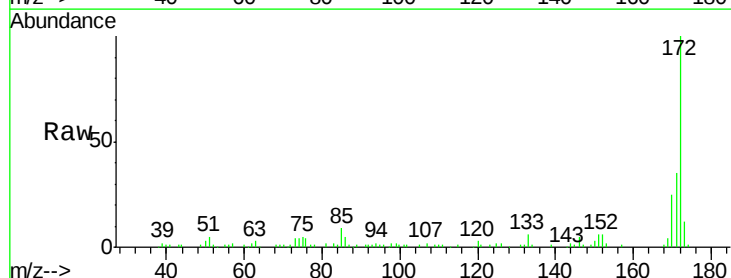
Tgt Ion:172 Resp: 63548

Ion Ratio Lower Upper

172 100

171 35.4 29.7 44.5

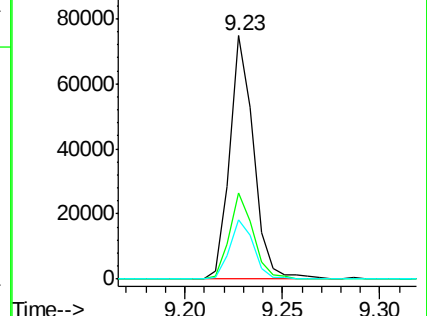
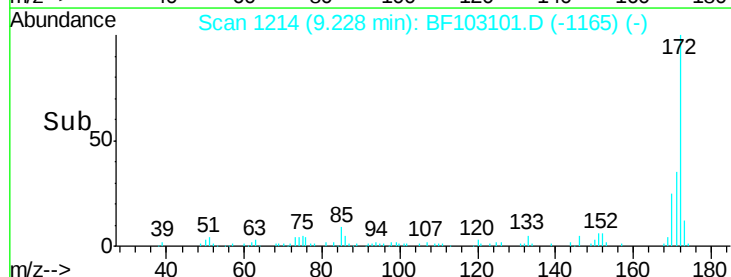
170 24.6 19.6 29.4



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





#47

2-Nitroaniline

Concen: 3.49 ng

RT: 9.43 min Scan# 1248

Delta R.T. -0.04 min

Lab File: BF103101.D

Acq: 20 Feb 2018 00:29

Instrument :

BNA_F

ClientSampled :

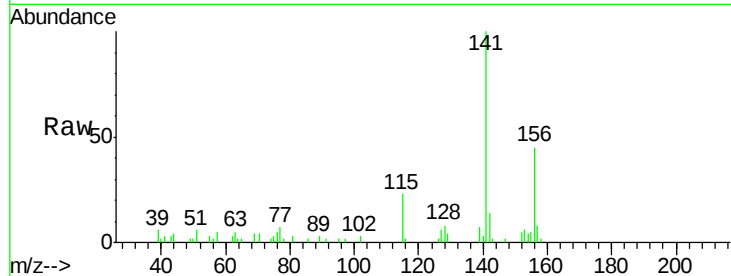
Tot Ion: 65 Resp: 148

Ion Ratio Lower Upper

65 100

92 0.0 55.8 83.6#

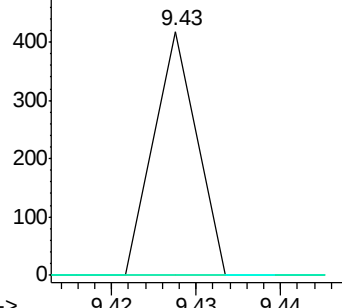
138 0.0 91.2 136.8#



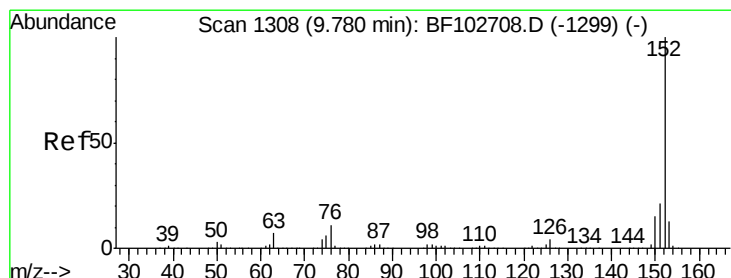
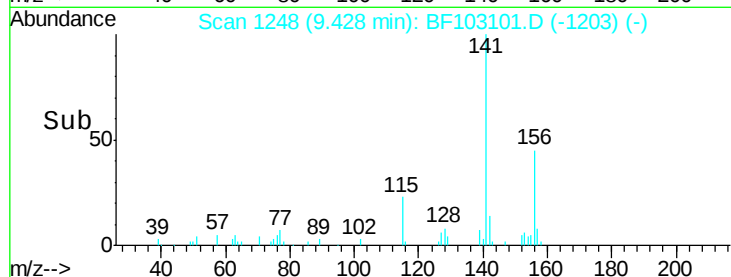
Abundance Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



Time-->



#48

Acenaphthylene

Concen: 20.79 ng

RT: 9.77 min Scan# 1307

Delta R.T. -0.01 min

Lab File: BF103101.D

Acq: 20 Feb 2018 00:29

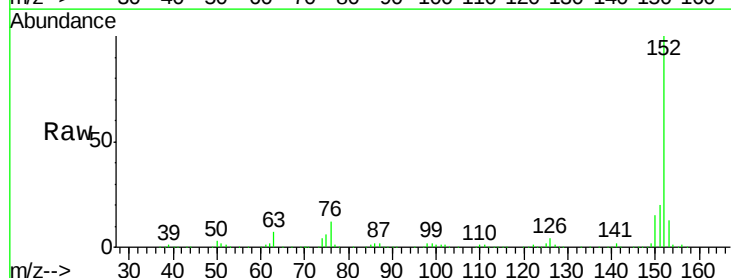
Tgt Ion: 152 Resp: 655363

Ion Ratio Lower Upper

152 100

151 20.0 16.3 24.5

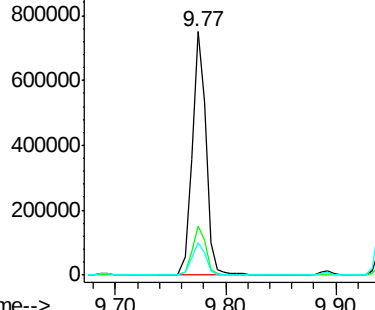
153 13.4 10.7 16.1



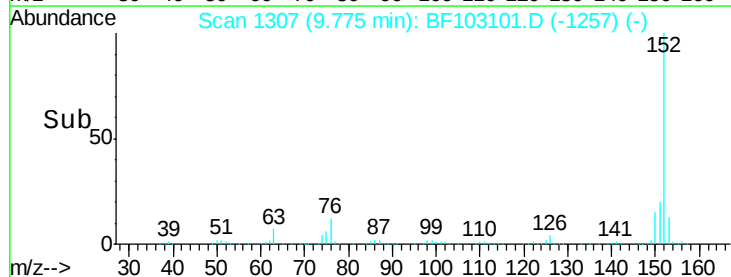
Abundance Ion 152.00 (151.70 to 152.70): E

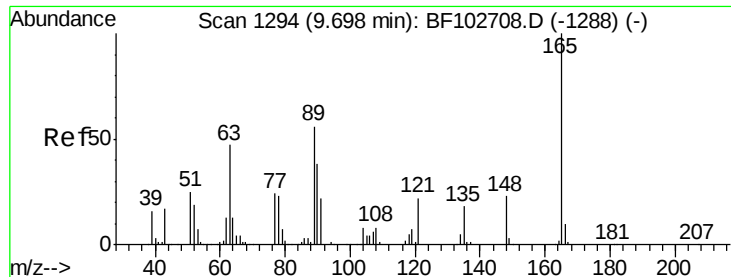
Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



Time-->

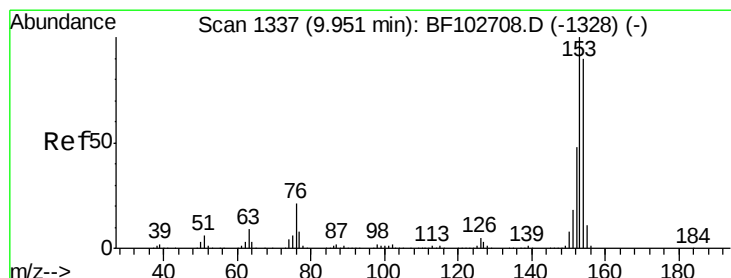
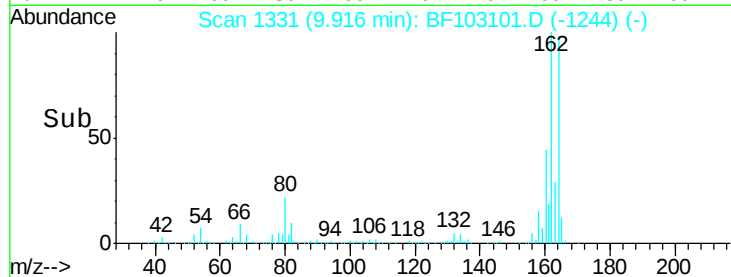
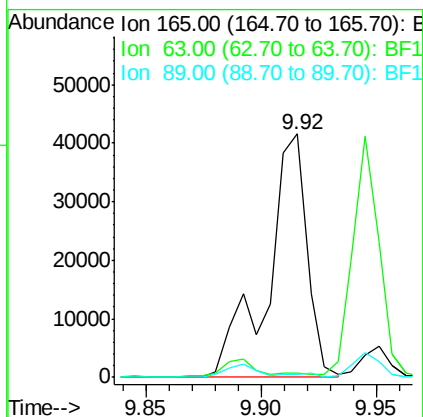
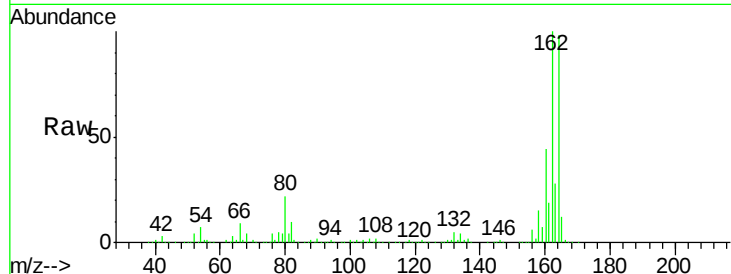




#50
 2,6-Dinitrotoluene
 Concen: 10.90 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. 0.21 min
 Lab File: BF103101.D
 Acq: 20 Feb 2018 00:29

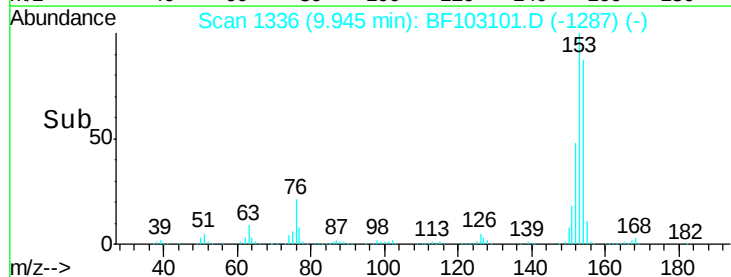
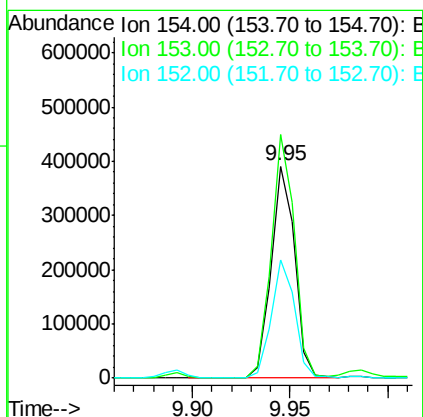
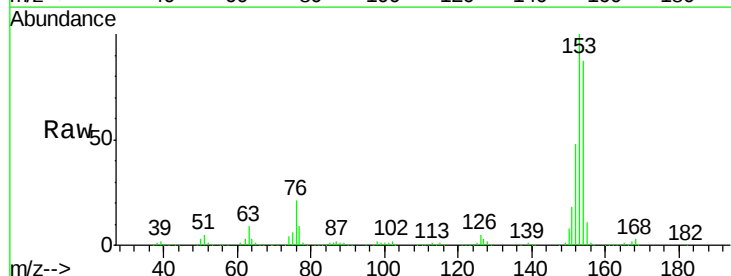
Instrument :
 BNA_F
 ClientSampled :

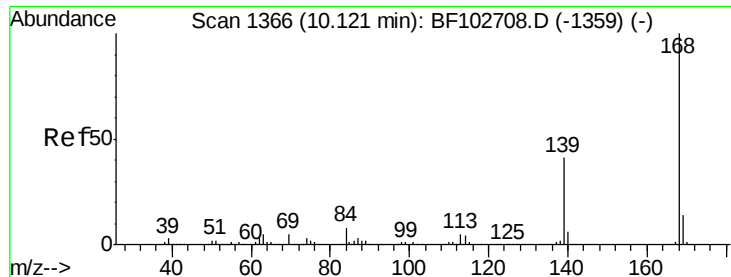
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.8	44.7	67.1#
89	1.3	44.0	66.0#



#51
 Acenaphthene
 Concen: 17.22 ng
 RT: 9.95 min Scan# 1336
 Delta R.T. -0.01 min
 Lab File: BF103101.D
 Acq: 20 Feb 2018 00:29

Tgt Ion	Ratio	Lower	Upper
154	100		
153	114.9	91.2	136.8
152	55.7	43.8	65.8





#54

Dibenzenofuran

Concen: 13.55 ng

RT: 10.12 min Scan# 1365

Delta R.T. -0.01 min

Lab File: BF103101.D

Acq: 20 Feb 2018 00:29

Instrument :

BNA_F

ClientSampled :

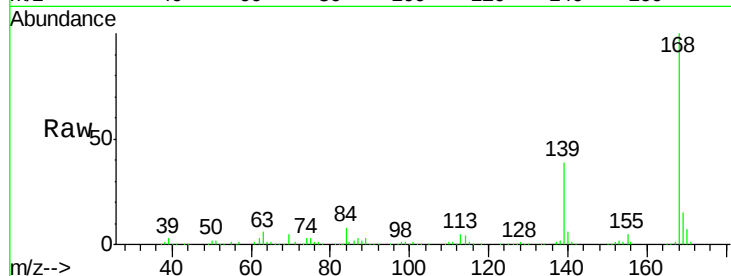
Tot Ion:168 Resp: 359985

Ion Ratio Lower Upper

168 100

139 39.3 30.1 45.1

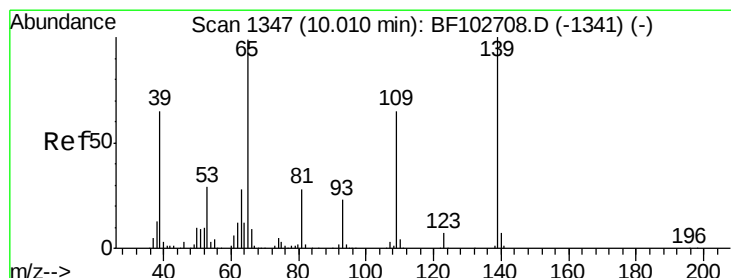
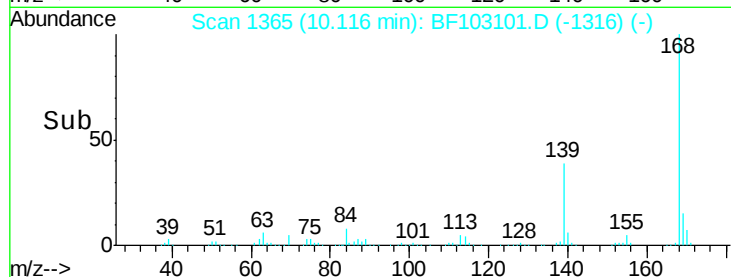
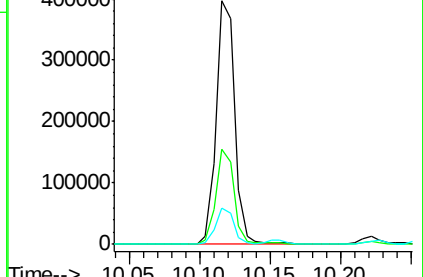
169 14.7 10.9 16.3



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#55

4-Nitrophenol

Concen: 32.78 ng

RT: 10.12 min Scan# 1365

Delta R.T. 0.08 min

Lab File: BF103101.D

Acq: 20 Feb 2018 00:29

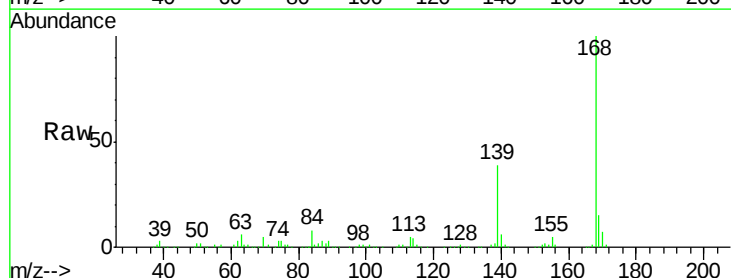
Tgt Ion:139 Resp: 138987

Ion Ratio Lower Upper

139 100

109 0.9 48.4 88.4#

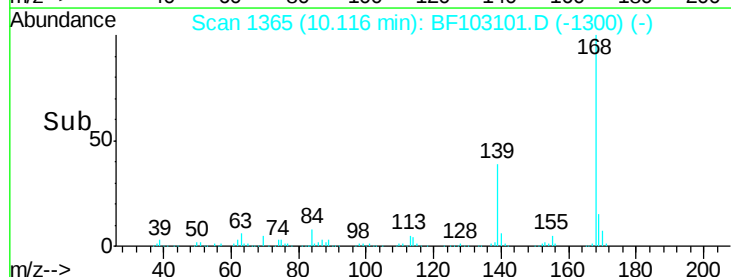
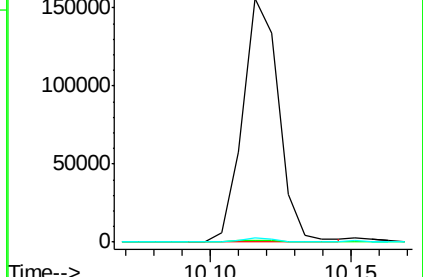
65 1.8 72.6 112.6#

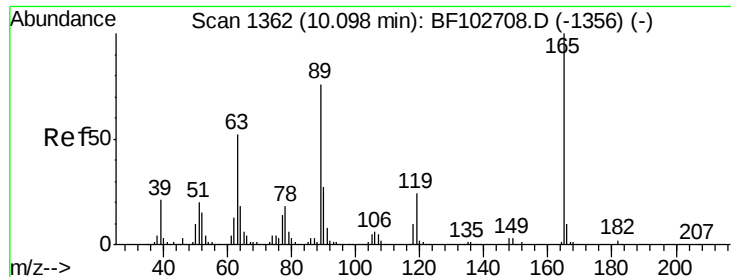


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

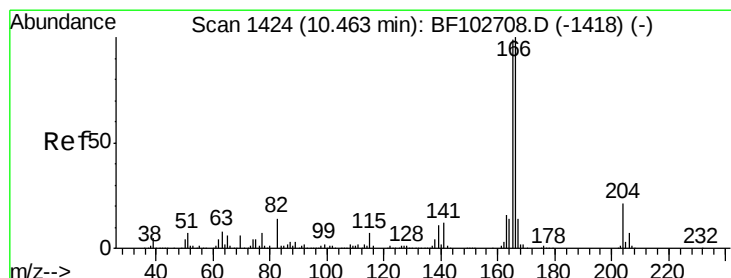
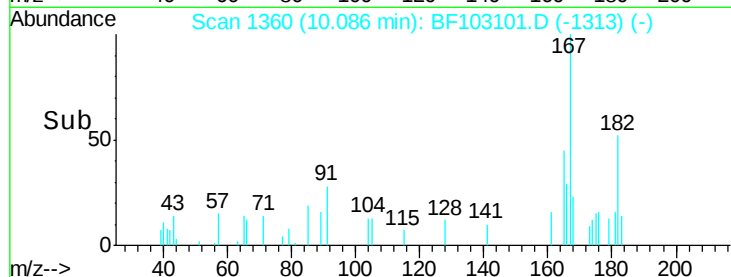
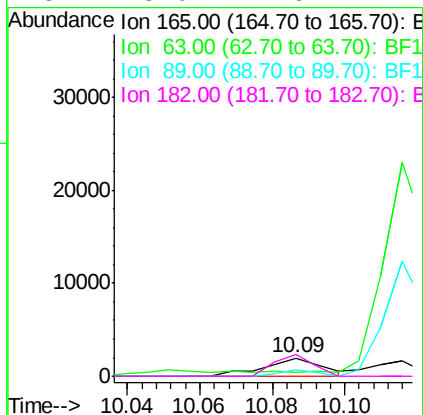
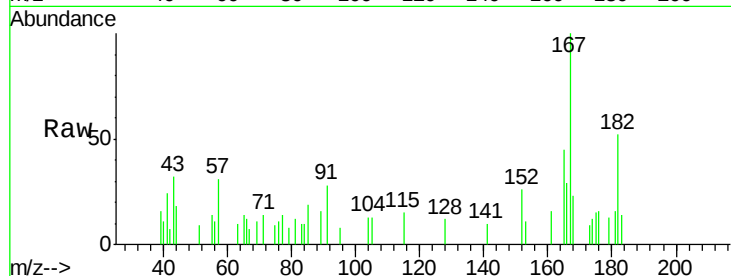




#56
2,4-Dinitrotoluene
Concen: 3.40 ng
RT: 10.09 min Scan# 1360
Delta R.T. -0.02 min
Lab File: BF103101.D
Acq: 20 Feb 2018 00:29

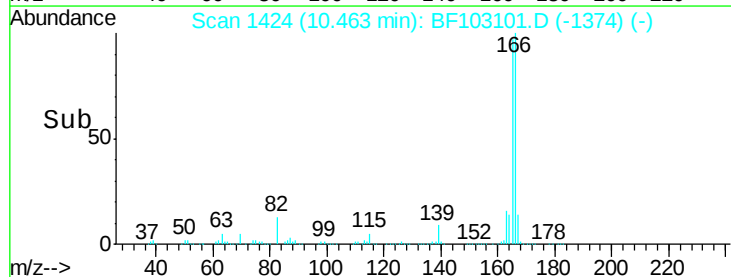
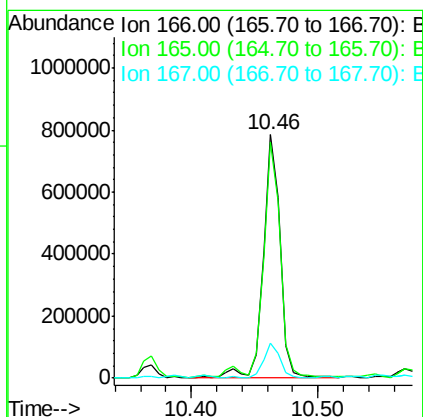
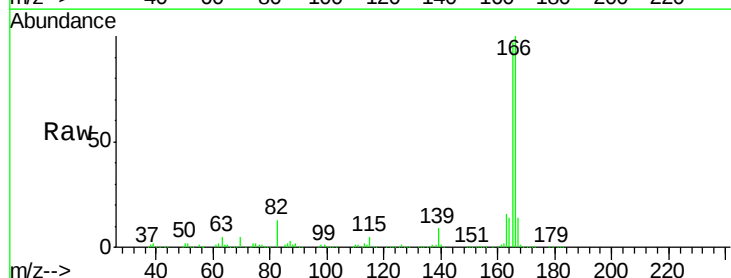
Instrument :
BNA_F
ClientSampleId :

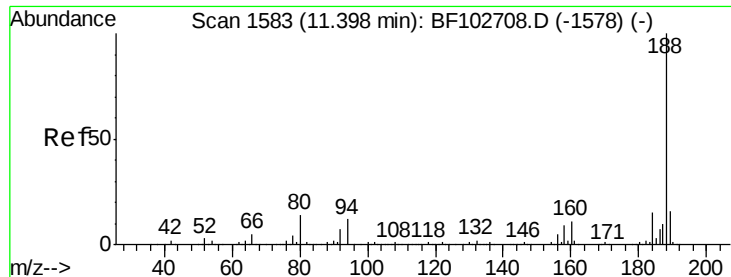
Tot Ion:165 Resp: 2143
Ion Ratio Lower Upper
165 100
63 22.8 36.4 54.6#
89 34.5 57.8 86.6#
182 115.0 1.6 2.4#



#57
Fluorene
Concen: 37.82 ng
RT: 10.46 min Scan# 1424
Delta R.T. -0.01 min
Lab File: BF103101.D
Acq: 20 Feb 2018 00:29

Tgt Ion:166 Resp: 730933
Ion Ratio Lower Upper
166 100
165 97.1 79.8 119.8
167 14.2 10.6 16.0

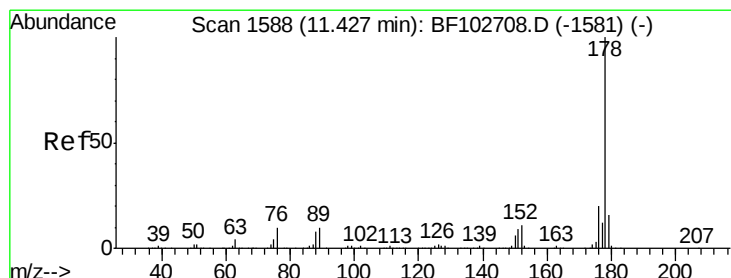
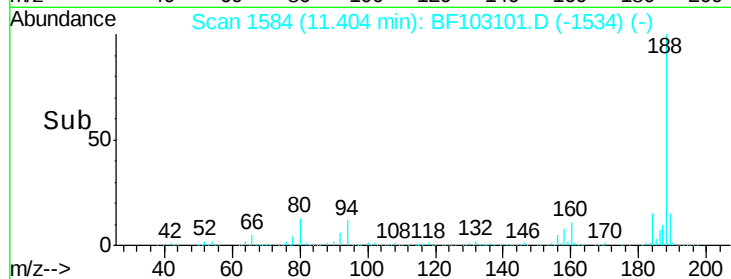
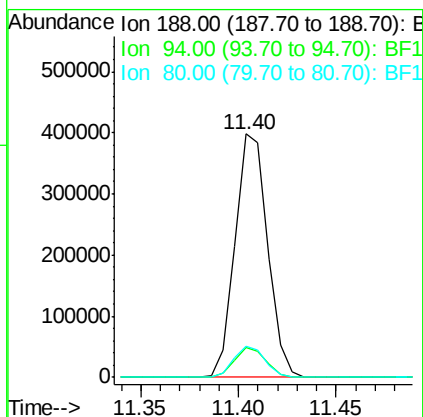
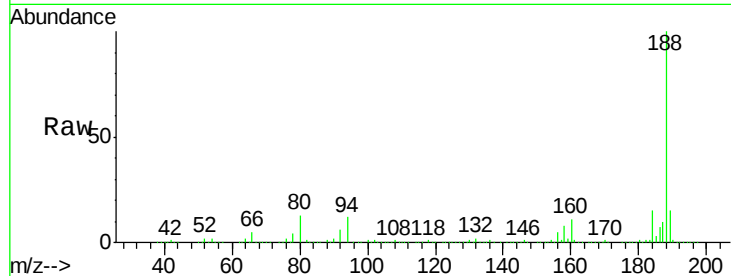




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF103101.D
Acq: 20 Feb 2018 00:29

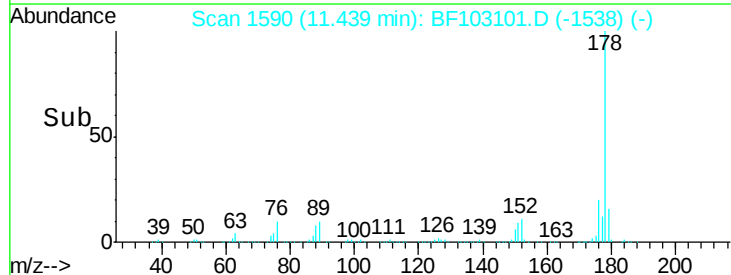
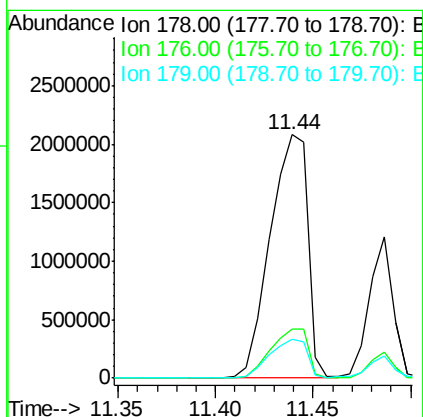
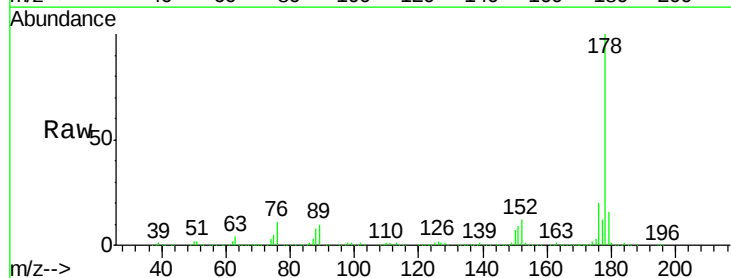
Instrument :
BNA_F
ClientSampled :

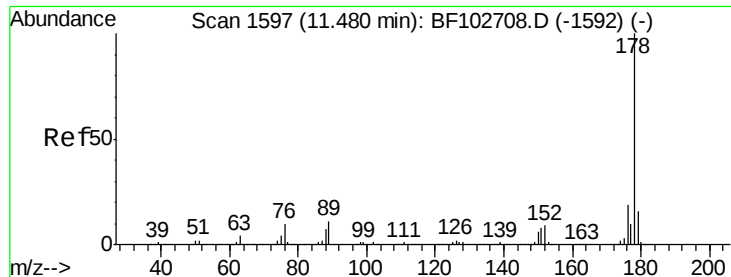
Tot Ion:188 Resp: 459514
Ion Ratio Lower Upper
188 100
94 12.1 8.5 12.7
80 12.8 9.2 13.8



#70
Phenanthrene
Concen: 108.29 ng
RT: 11.44 min Scan# 1590
Delta R.T. 0.01 min
Lab File: BF103101.D
Acq: 20 Feb 2018 00:29

Tgt Ion:178 Resp: 2771260
Ion Ratio Lower Upper
178 100
176 20.2 15.8 23.8
179 16.1 13.0 19.6

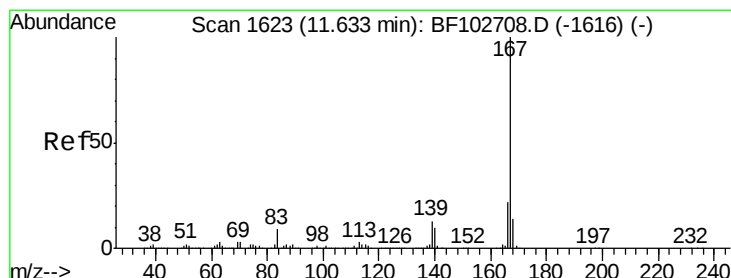
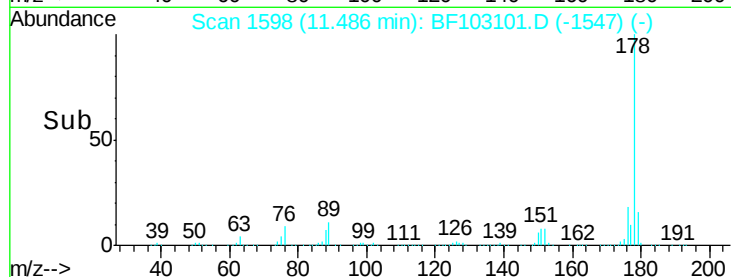
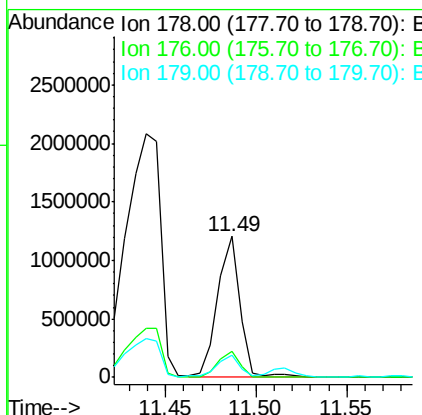
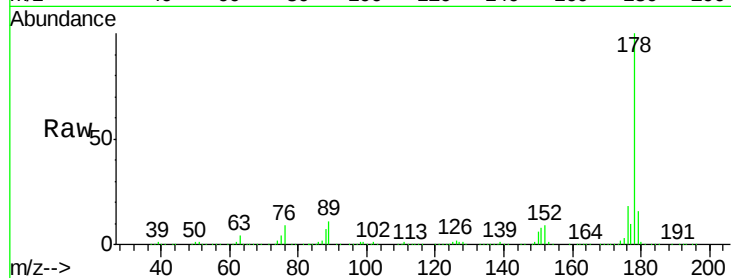




#71
 Anthracene
 Concen: 40.22 ng
 RT: 11.49 min Scan# 1598
 Delta R.T. 0.00 min
 Lab File: BF103101.D
 Acq: 20 Feb 2018 00:29

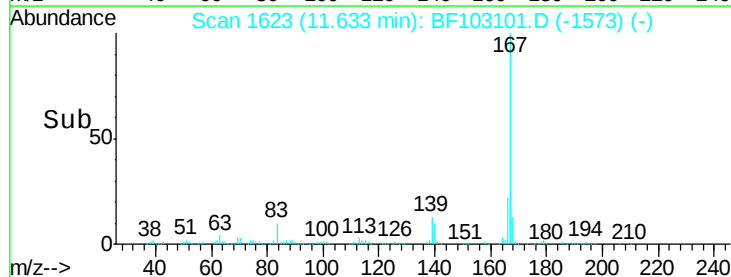
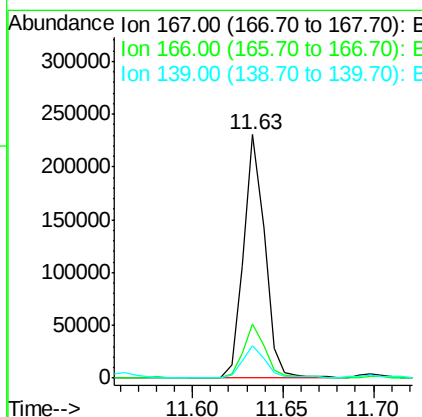
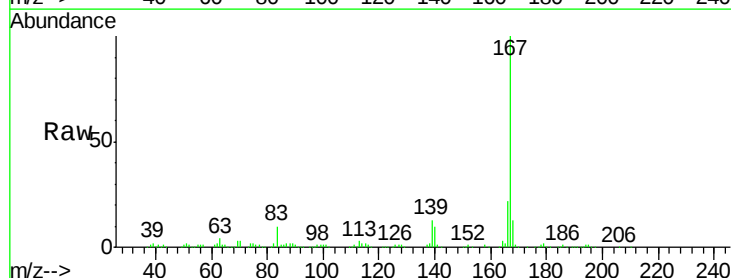
Instrument :
 BNA_F
 ClientSampleId :

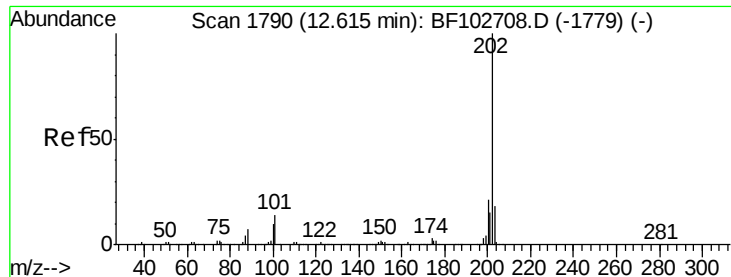
Tot Ion:178 Resp: 1046858
 Ion Ratio Lower Upper
 178 100
 176 18.4 15.4 23.2
 179 15.9 12.6 19.0



#72
 Carbazole
 Concen: 7.42 ng
 RT: 11.63 min Scan# 1623
 Delta R.T. -0.01 min
 Lab File: BF103101.D
 Acq: 20 Feb 2018 00:29

Tgt Ion:167 Resp: 189232
 Ion Ratio Lower Upper
 167 100
 166 22.0 17.6 26.4
 139 13.5 10.9 16.3





#74

Fluoranthene

Concen: 117.46 ng

RT: 12.64 min Scan# 1794

Delta R.T. 0.01 min

Lab File: BF103101.D

Acq: 20 Feb 2018 00:29

Instrument :

BNA_F

ClientSampleId :

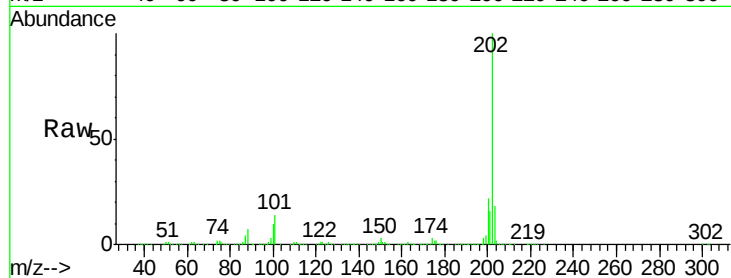
Tot Ion:202 Resp: 3024355

Ion Ratio Lower Upper

202 100

101 13.9 0.0 34.1

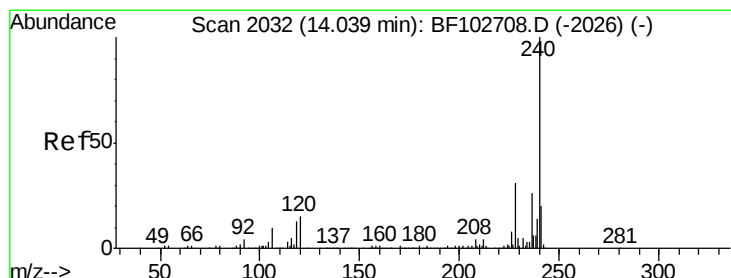
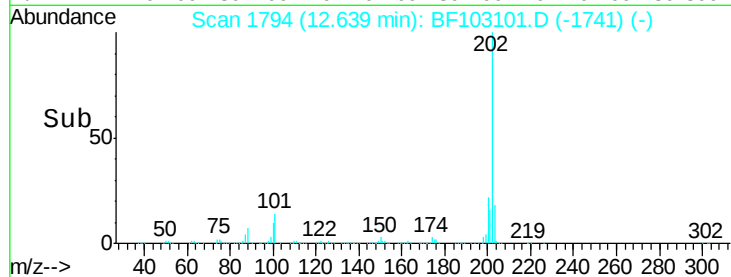
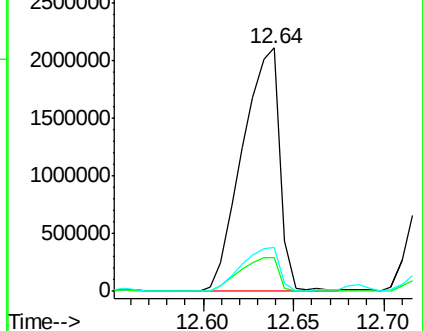
203 17.9 0.0 38.1



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: 20.00 ng

RT: 14.06 min Scan# 2035

Delta R.T. 0.00 min

Lab File: BF103101.D

Acq: 20 Feb 2018 00:29

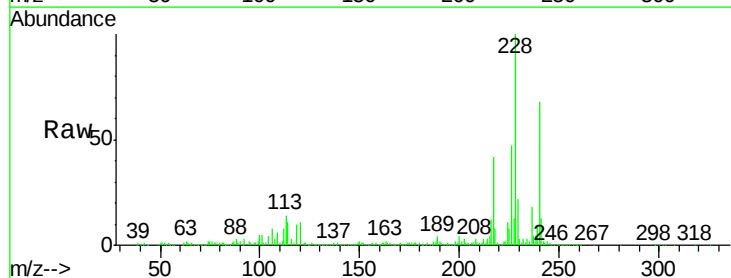
Tgt Ion:240 Resp: 240377

Ion Ratio Lower Upper

240 100

120 15.6 9.5 14.3#

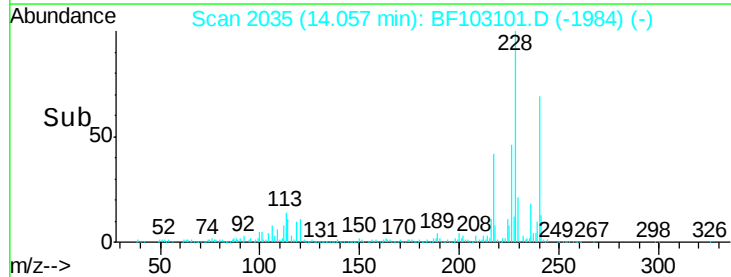
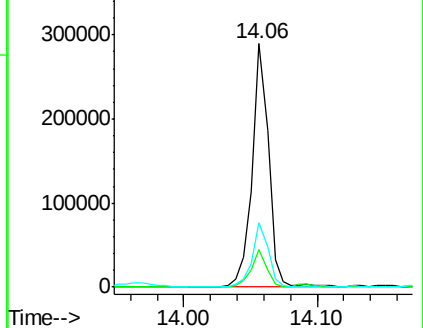
236 26.2 20.7 31.1

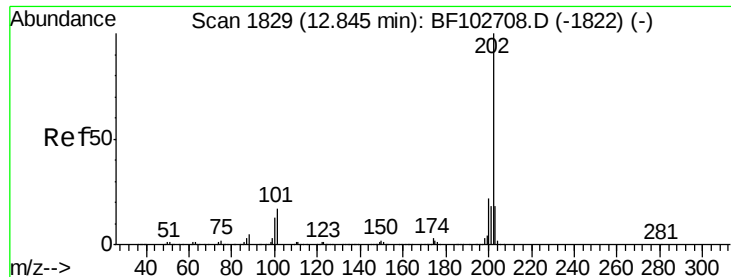


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 129.45 ng

RT: 12.87 min Scan# 1833

Delta R.T. 0.01 min

Lab File: BF103101.D

Acq: 20 Feb 2018 00:29

Instrument :

BNA_F

ClientSampleId :

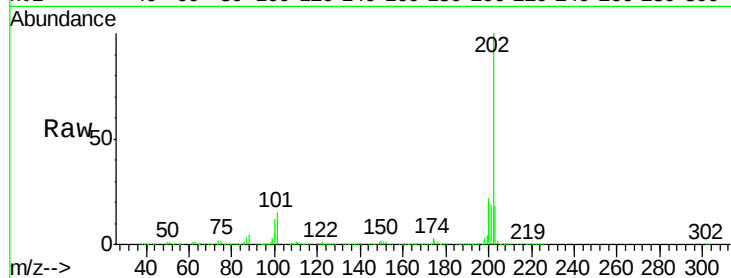
Tot Ion:202 Resp: 2439949

Ion Ratio Lower Upper

202 100

200 21.8 17.4 26.2

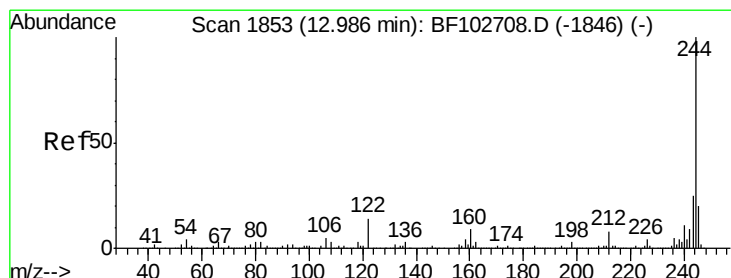
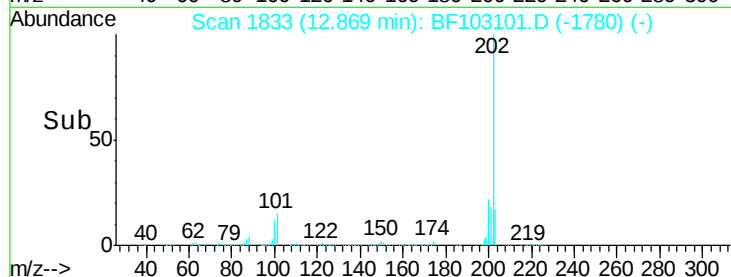
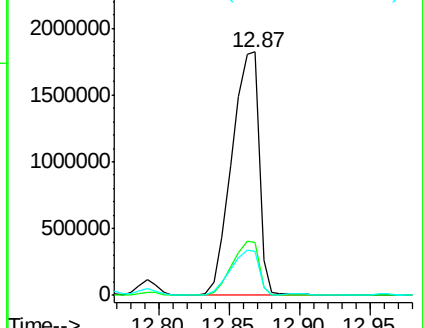
203 17.9 14.3 21.5



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: 4.09 ng

RT: 12.99 min Scan# 1853

Delta R.T. -0.01 min

Lab File: BF103101.D

Acq: 20 Feb 2018 00:29

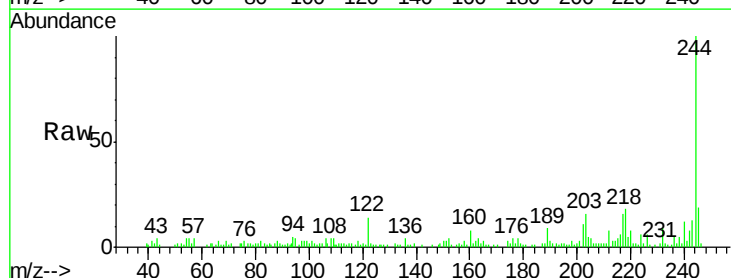
Tgt Ion:244 Resp: 41561

Ion Ratio Lower Upper

244 100

212 7.9 5.4 8.0

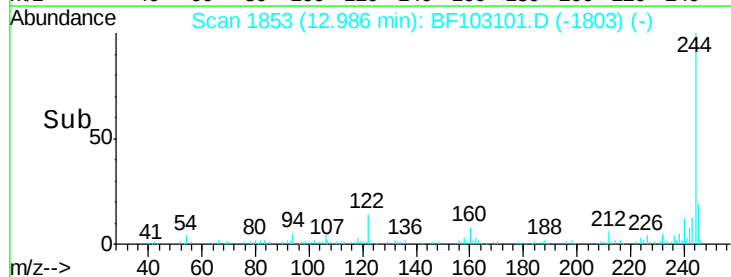
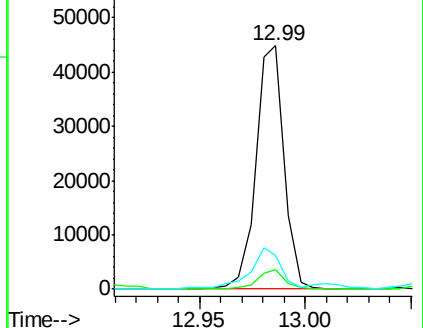
122 13.6 11.0 16.4

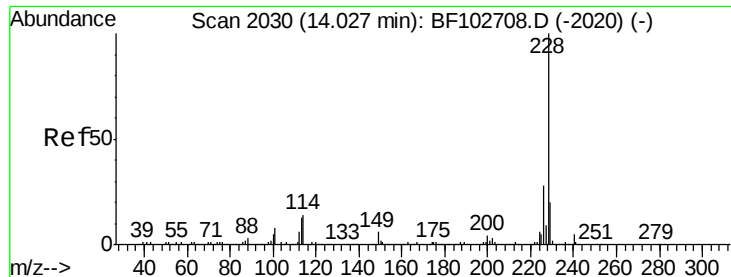


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 78.14 ng

RT: 14.09 min Scan# 2040

Delta R.T. 0.04 min

Lab File: BF103101.D

Acq: 20 Feb 2018 00:29

Instrument :

BNA_F

ClientSampled :

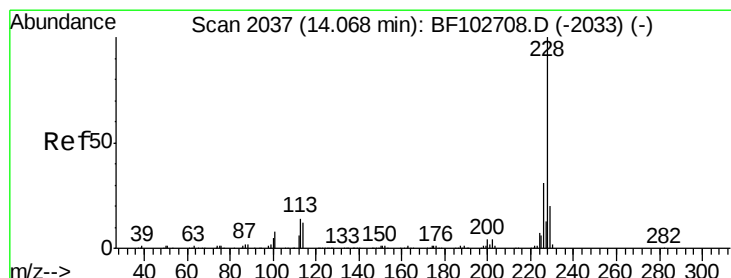
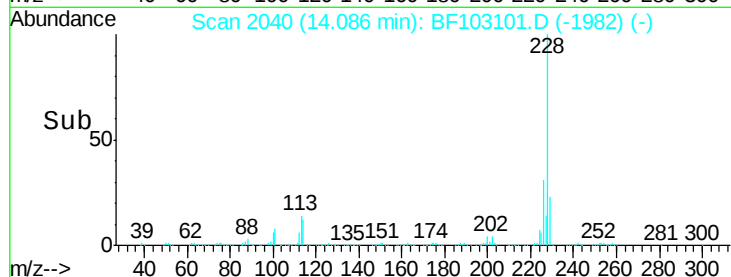
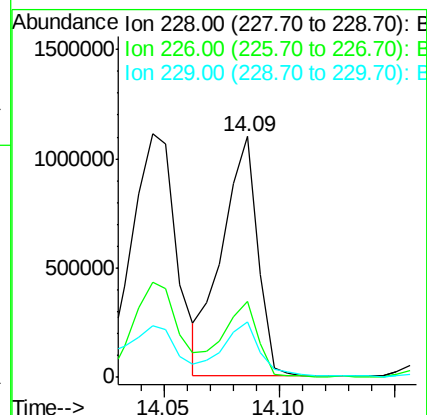
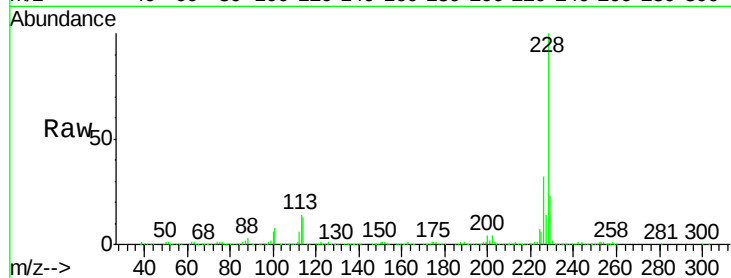
Tot Ion:228 Resp: 1181338

Ion Ratio Lower Upper

228 100

226 31.8 22.6 33.8

229 23.3 15.8 23.6



#82

Chrysene

Concen: 77.42 ng

RT: 14.09 min Scan# 2040

Delta R.T. 0.00 min

Lab File: BF103101.D

Acq: 20 Feb 2018 00:29

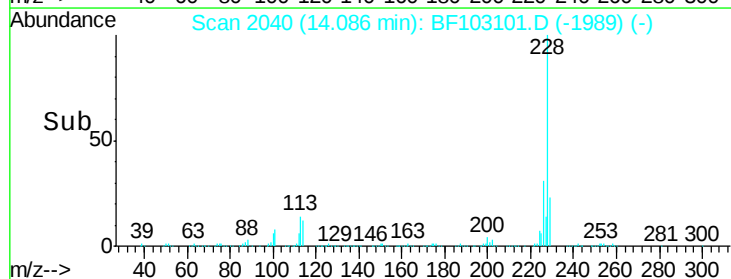
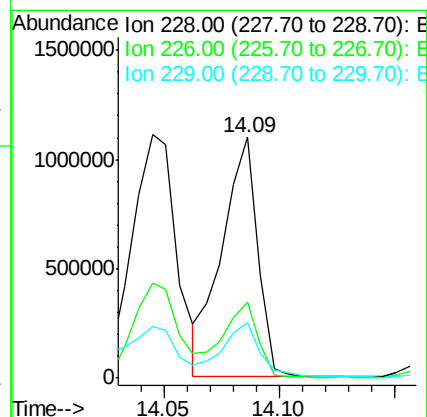
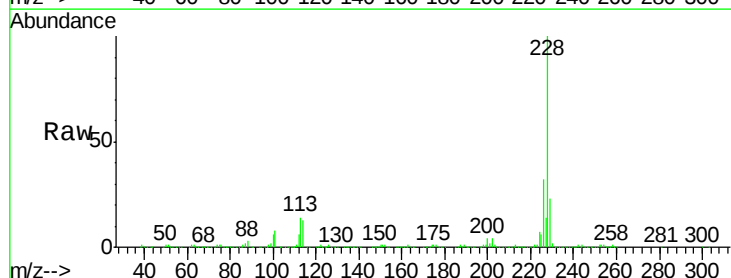
Tgt Ion:228 Resp: 1179836

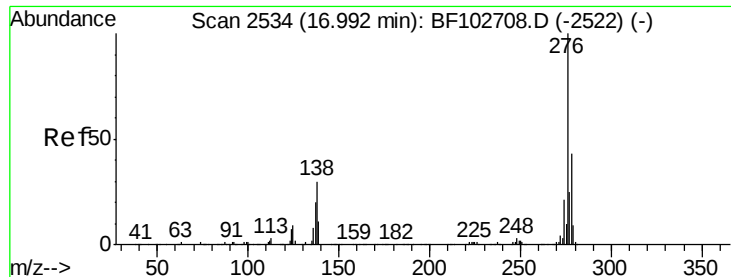
Ion Ratio Lower Upper

228 100

226 31.8 25.0 37.6

229 23.3 16.2 24.4





#85

Indeno(1,2,3-cd)pyrene

Concen: 46.07 ng

RT: 17.06 min Scan# 2546

Delta R.T. 0.01 min

Lab File: BF103101.D

Acq: 20 Feb 2018 00:29

Instrument :

BNA_F

ClientSampleId :

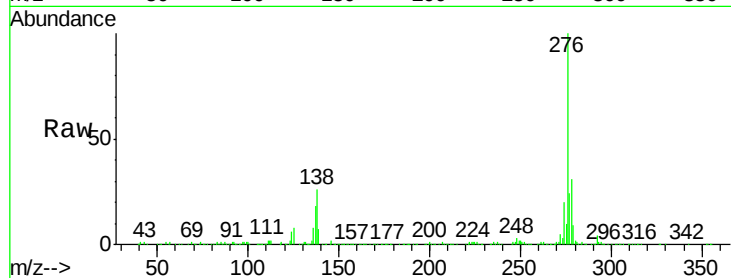
Tot Ion:276 Resp: 582265

Ion Ratio Lower Upper

276 100

138 26.8 25.0 37.6

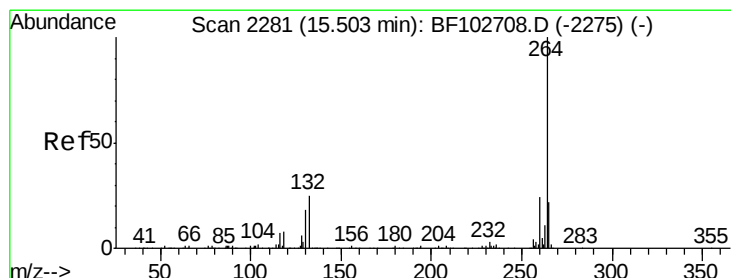
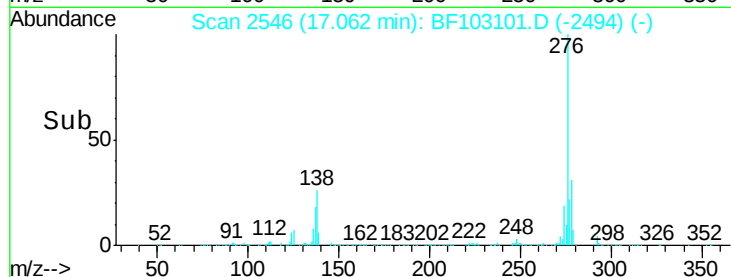
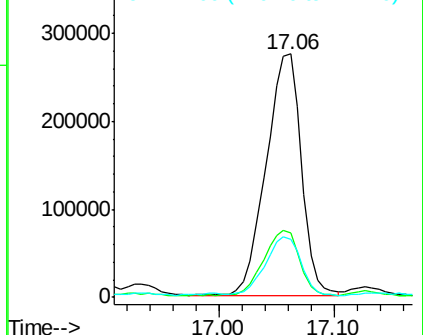
277 24.2 20.1 30.1



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

Perylene-d12

Concen: 20.00 ng

RT: 15.54 min Scan# 2288

Delta R.T. 0.00 min

Lab File: BF103101.D

Acq: 20 Feb 2018 00:29

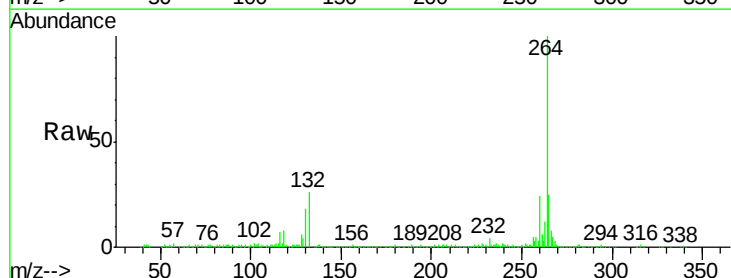
Tgt Ion:264 Resp: 291838

Ion Ratio Lower Upper

264 100

260 24.2 19.2 28.8

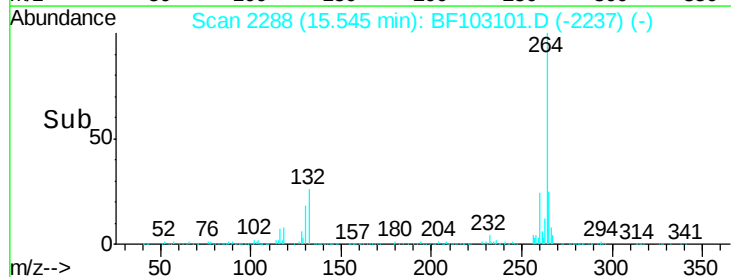
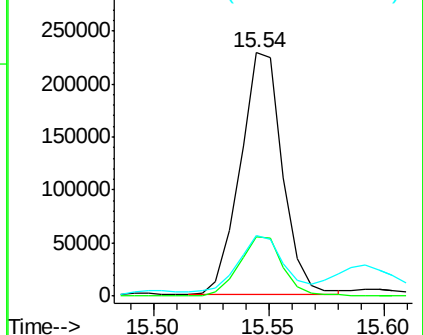
265 24.9 17.5 26.3

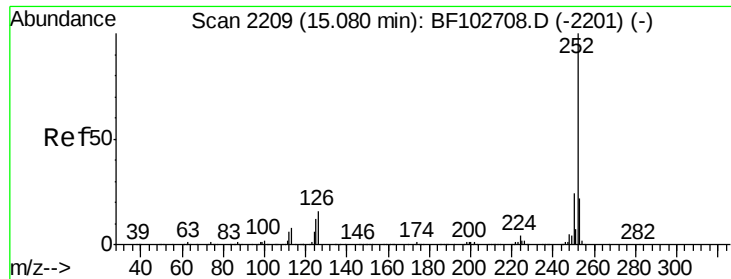


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 117.34 ng

RT: 15.12 min Scan# 2215

Delta R.T. 0.01 min

Lab File: BF103101.D

Acq: 20 Feb 2018 00:29

Instrument :

BNA_F

ClientSampleId :

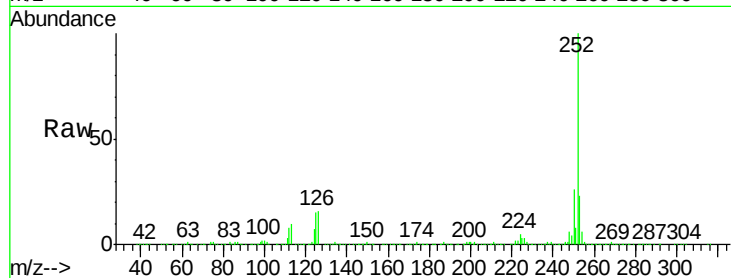
Tot Ion:252 Resp: 2220189

Ion Ratio Lower Upper

252 100

253 23.3 17.0 25.6

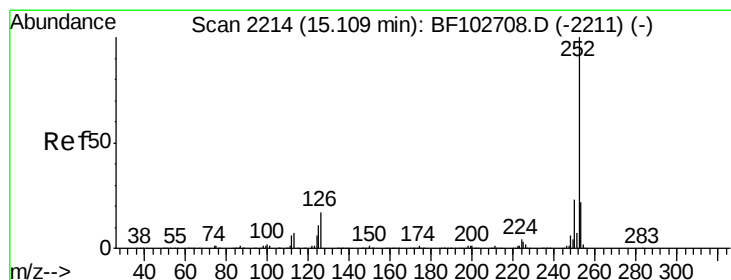
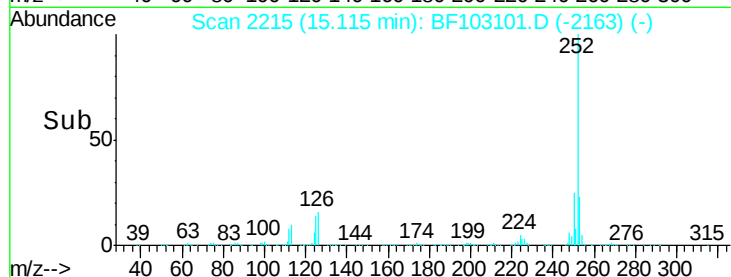
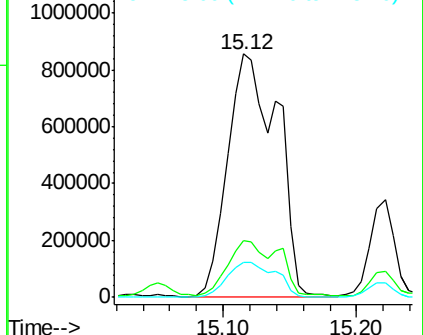
125 14.5 9.0 13.6#



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: 122.81 ng

RT: 15.12 min Scan# 2215

Delta R.T. -0.02 min

Lab File: BF103101.D

Acq: 20 Feb 2018 00:29

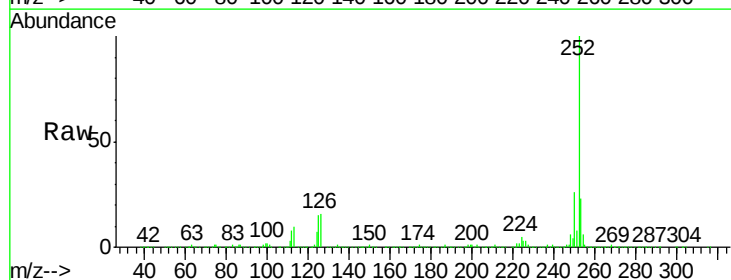
Tgt Ion:252 Resp: 2220189

Ion Ratio Lower Upper

252 100

253 23.3 17.9 26.9

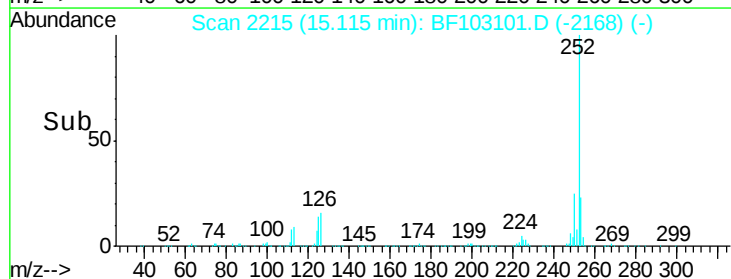
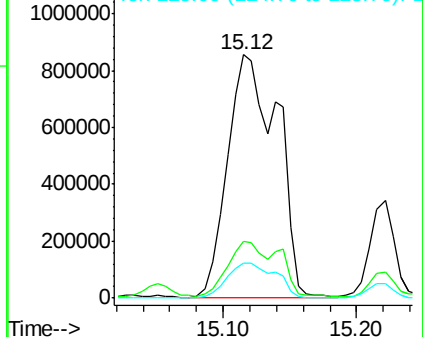
125 14.5 10.2 15.2

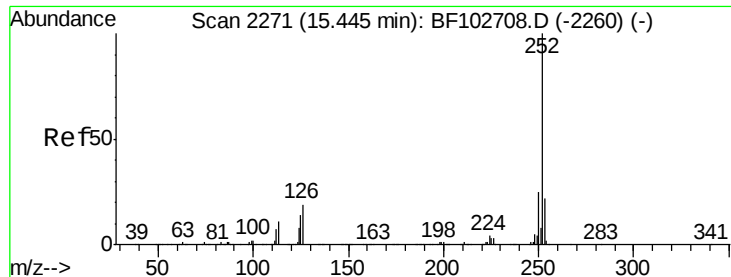


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 68.45 ng

RT: 15.49 min Scan# 2279

Delta R.T. 0.01 min

Lab File: BF103101.D

Acq: 20 Feb 2018 00:29

Instrument :

BNA_F

ClientSampleId :

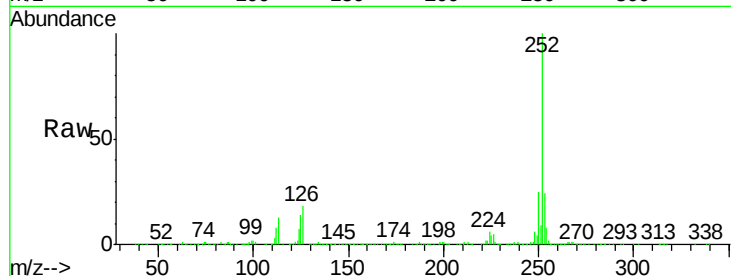
Tot Ion:252 Resp: 1165849

Ion Ratio Lower Upper

252 100

253 24.1 17.1 25.7

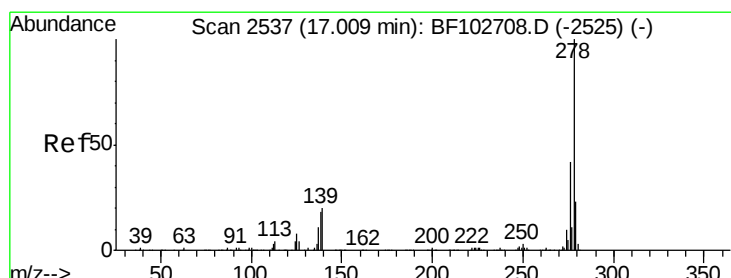
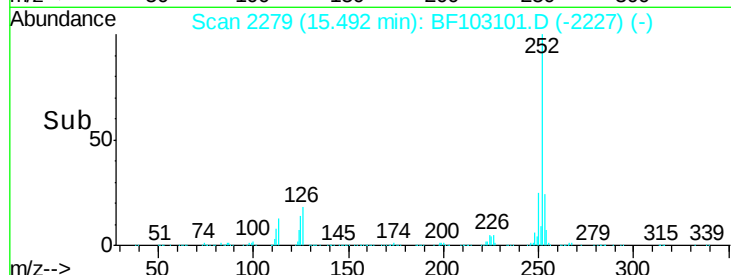
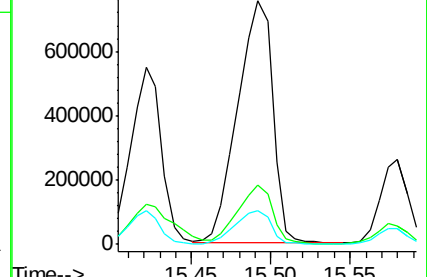
125 14.0 9.8 14.6



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: 11.40 ng

RT: 17.23 min Scan# 2575

Delta R.T. 0.16 min

Lab File: BF103101.D

Acq: 20 Feb 2018 00:29

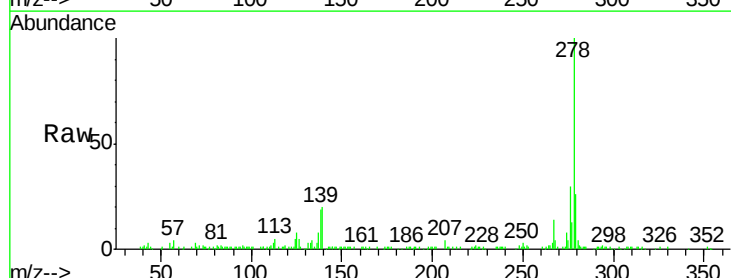
Tgt Ion:278 Resp: 157525

Ion Ratio Lower Upper

278 100

139 20.2 15.9 23.9

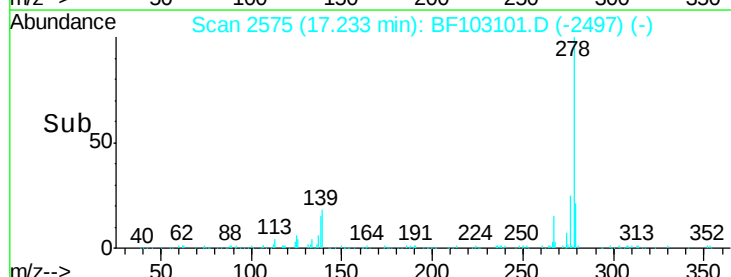
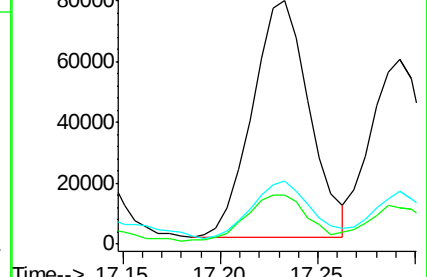
279 25.7 19.0 28.4

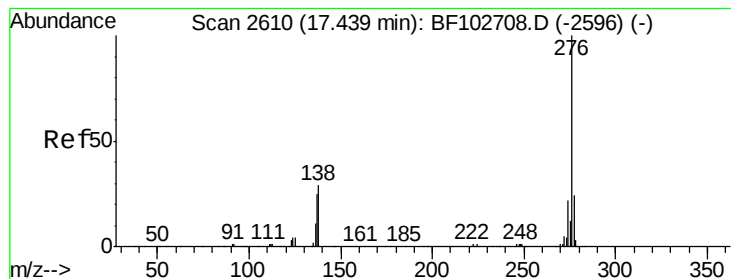


Abundance Ion 278.00 (277.70 to 278.70): E

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: 34.43 ng

RT: 17.52 min Scan# 2624

Delta R.T. 0.00 min

Lab File: BF103101.D

Acq: 20 Feb 2018 00:29

Instrument :

BNA_F

ClientSampleId :

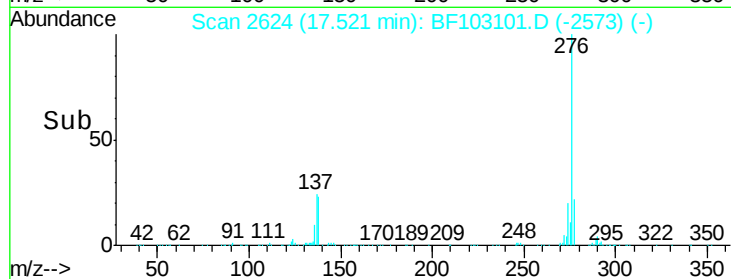
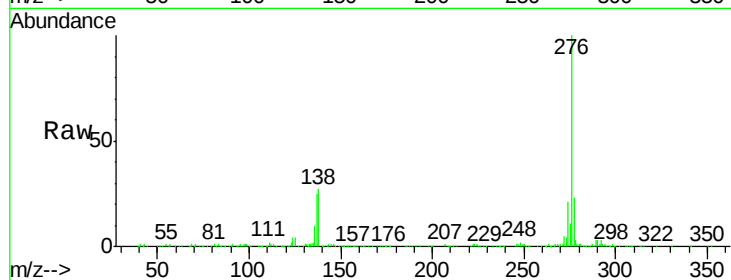
Tot Ion: 276 Resp: 465805

Ion Ratio Lower Upper

276 100

277 23.5 17.9 26.9

138 27.0 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

