

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF121417\
 Data File : BF101401.D
 Acq On : 14 Dec 2017 18:56
 Operator : SJ/JU
 Sample : I6835-01 100X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 14 23:46:17 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 14 15:42:32 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	171874	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	669383	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	309198	20.00	ng	0.00
63) Phenanthrene-d10	11.35	188	576954	20.00	ng	0.00
75) Chrysene-d12	14.00	240	369051	20.00	ng	0.00
86) Perylene-d12	15.46	264	315744	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.49	112	1158	0.10	ng	0.05
7) Phenol-d6	6.47	99	2113	0.15	ng	0.01
23) Nitrobenzene-d5	7.39	82	1241	0.10	ng	0.00
41) 2,4,6-Tribromophenol	10.66	330	492	0.17	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	2504	0.13	ng	0.00
78) Terphenyl-d14	12.92	244	4573	0.30	ng	-0.01

Target Compounds

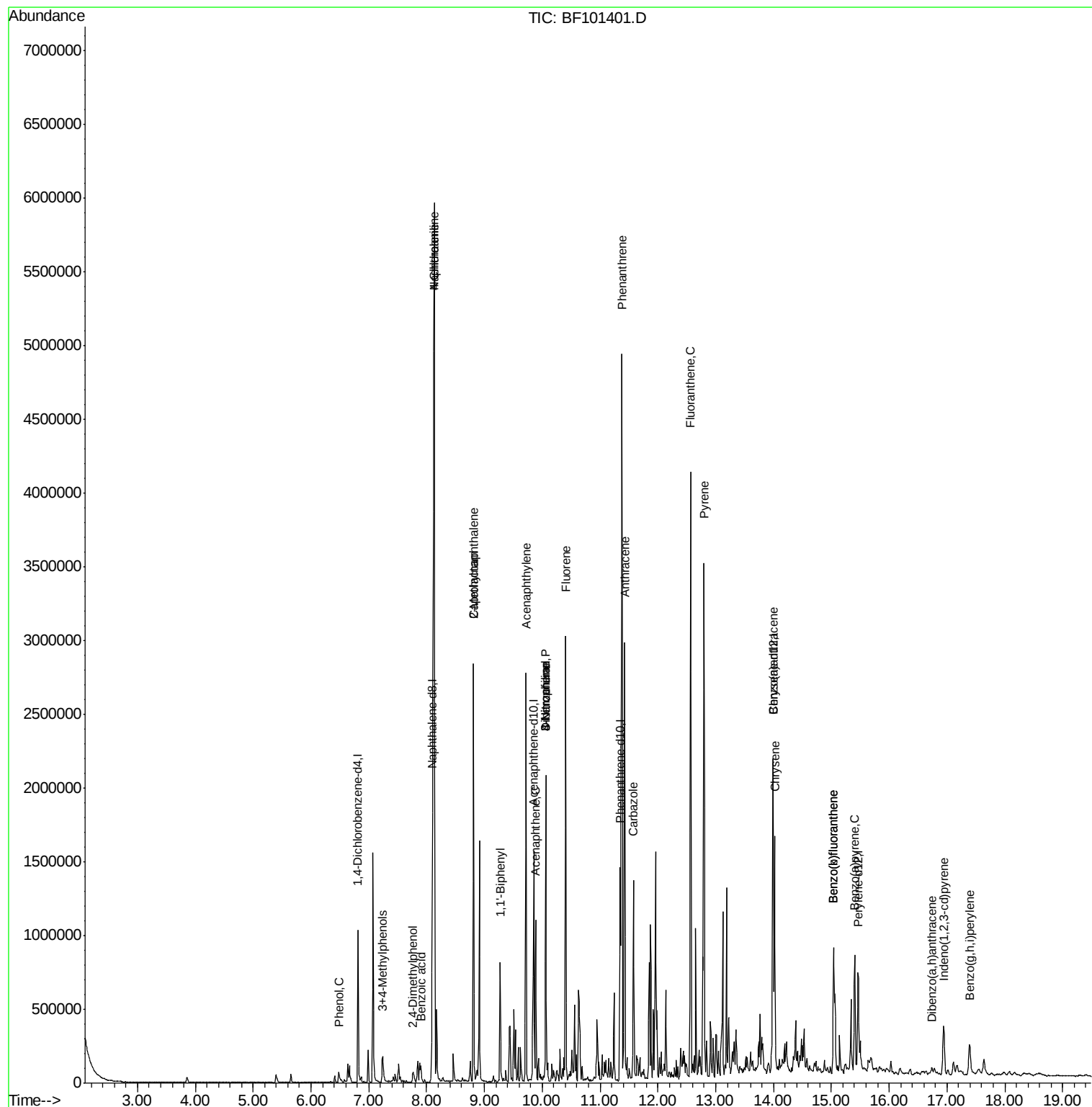
						Qvalue
10) Phenol	6.48	94	48086	2.938	ng	99
20) 3+4-Methylphenols	7.24	107	62669	5.297	ng	86
27) 2,4-Dimethylphenol	7.76	122	25944	2.671	ng	91
31) Naphthalene	8.13	128	4337941	128.725	ng	98
32) Benzoic acid	7.90	122	20933	10.629	ng	# 18
33) 4-Chloroaniline	8.13	127	606211	41.389	ng	# 37
35) Caprolactam	8.81	113	19265	5.781	ng	# 1
37) 2-Methylnaphthalene	8.81	142	848848	38.662	ng	99
45) 1,1'-Biphenyl	9.27	154	254372	9.276	ng	97
48) Acenaphthylene	9.72	152	1136256	34.287	ng	99
51) Acenaphthene	9.89	154	201017	10.096	ng	99
52) 3-Nitroaniline	10.06	138	13976	2.218	ng	# 10
54) Dibenzofuran	10.06	168	842777	33.308	ng	99
55) 4-Nitrophenol	10.06	139	322781	117.461	ng	# 10
57) Fluorene	10.40	166	961908	44.939	ng	99
70) Phenanthrene	11.38	178	2485010	77.450	ng	99
71) Anthracene	11.43	178	1123019	34.265	ng	99
72) Carbazole	11.58	167	481349	15.687	ng	99
74) Fluoranthene	12.57	202	1878524	55.779	ng	98
77) Pvrene	12.80	202	1486180	53.658	ng	99
80) Benzo(a)anthracene	13.99	228	719704	29.534	ng	93
82) Chrysene	14.02	228	533605	23.191	ng	97
85) Indeno(1,2,3-cd)pyrene	16.94	276	191227	9.333	ng	# 93
87) Benzo(b)fluoranthene	15.04	252	667218	34.669	ng	97
88) Benzo(k)fluoranthene	15.04	252	667218	35.658	ng	99
89) Benzo(a)pyrene	15.40	252	378721	21.347	ng	97
90) Dibenzo(a,h)anthracene	16.74	278	32009	2.101	ng	95
91) Benzo(g,h,i)perylene	17.39	276	168141	11.147	ng	95

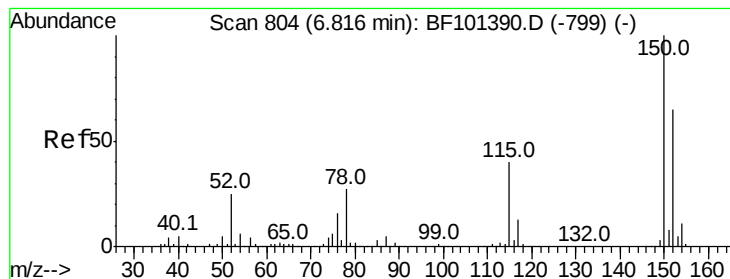
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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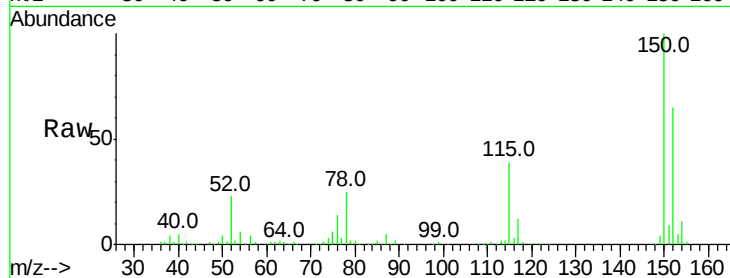


#1

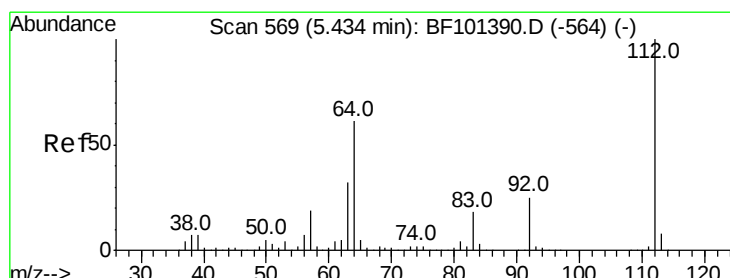
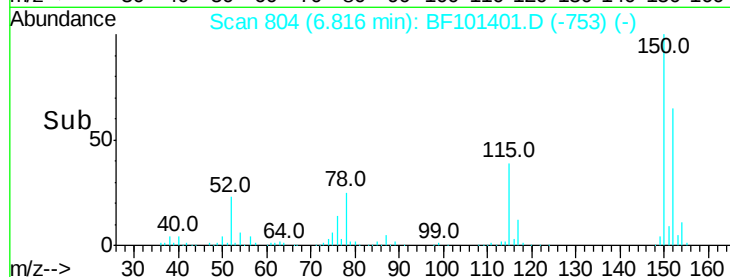
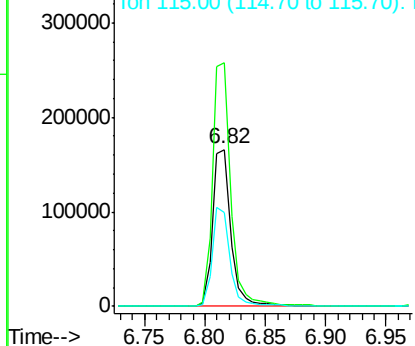
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 804
Delta R.T. -0.00 min
Lab File: BF101401.D
Acq: 14 Dec 2017 18:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 171874
Ion Ratio Lower Upper
152 100
150 155.0 124.6 186.8
115 59.7 50.1 75.1



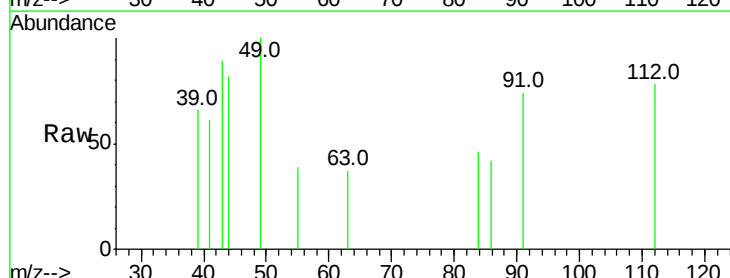
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



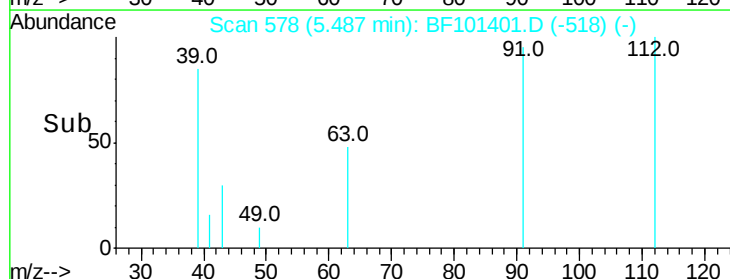
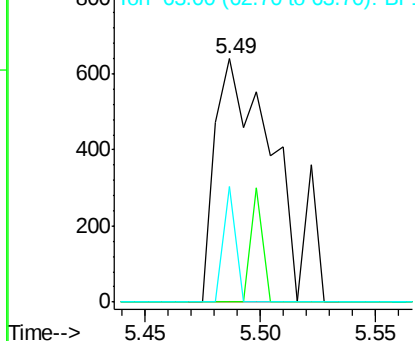
#5

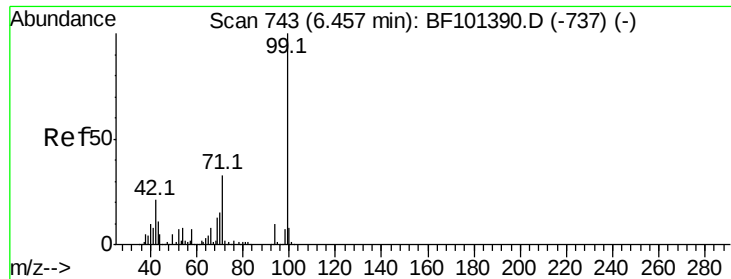
2-Fluorophenol
Concen: 0.100 ng
RT: 5.49 min Scan# 578
Delta R.T. 0.05 min
Lab File: BF101401.D
Acq: 14 Dec 2017 18:56

Tgt Ion:112 Resp: 1158
Ion Ratio Lower Upper
112 100
64 0.0 47.9 71.9#
63 47.5 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: 0.147 ng

RT: 6.47 min Scan# 745

Delta R.T. 0.01 min

Lab File: BF101401.D

Acq: 14 Dec 2017 18:56

Instrument :

BNA_F

ClientSampled :

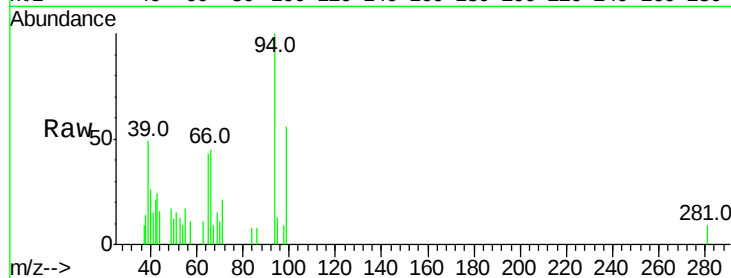
Tot Ion: 99 Resp: 2113

Ion Ratio Lower Upper

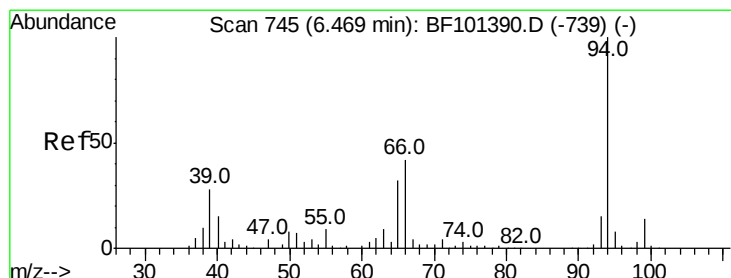
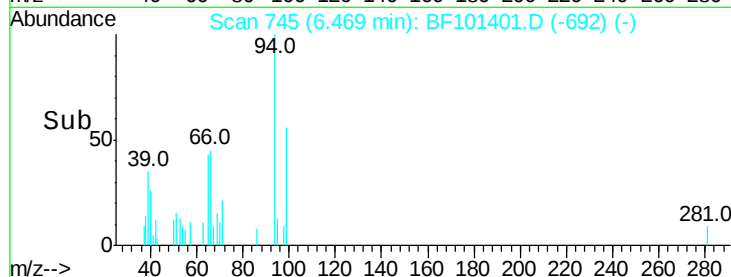
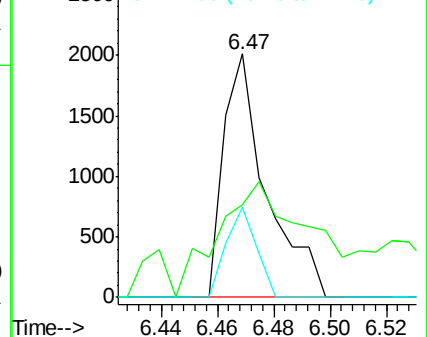
99 100

42 38.0 14.5 21.7#

71 37.1 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



#10

Phenol

Concen: 2.938 ng

RT: 6.48 min Scan# 747

Delta R.T. 0.01 min

Lab File: BF101401.D

Acq: 14 Dec 2017 18:56

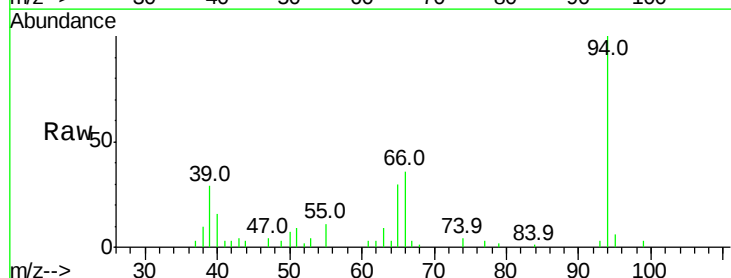
Tgt Ion: 94 Resp: 48086

Ion Ratio Lower Upper

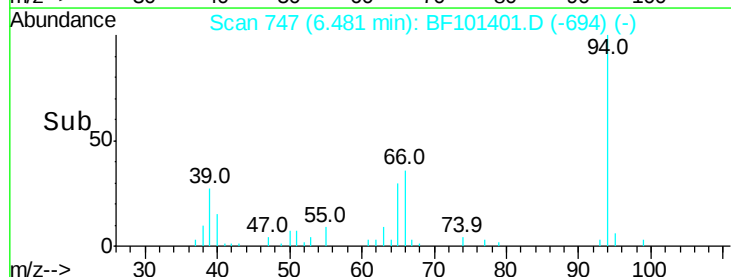
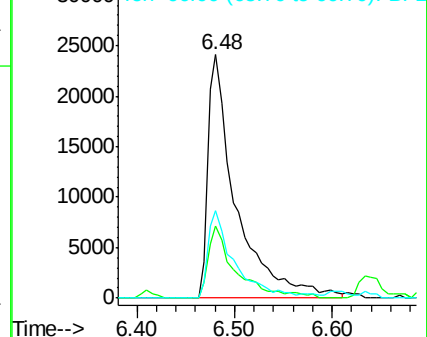
94 100

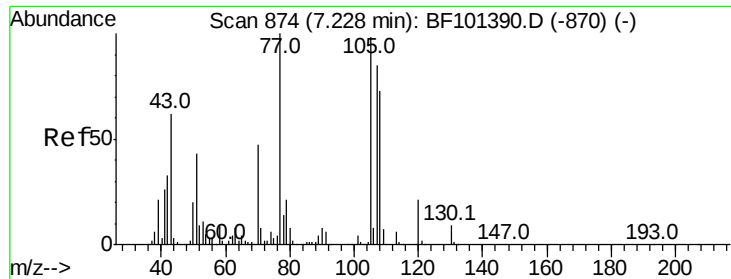
65 29.6 7.9 47.9

66 36.2 16.2 56.2



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





#20

3+4-Methylphenols

Concen: 5.297 ng

RT: 7.24 min Scan# 876

Delta R.T. 0.01 min

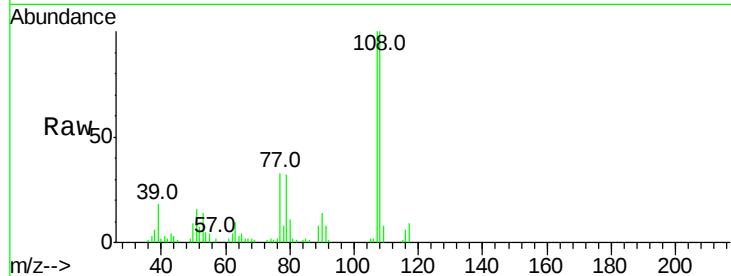
Lab File: BF101401.D

Acq: 14 Dec 2017 18:56

Instrument :

BNA_F

ClientSampled :



Tot Ion:107 Resp: 62669

Ion Ratio Lower Upper

107 100

108 99.6 68.2 108.2

77 33.0 26.7 66.7

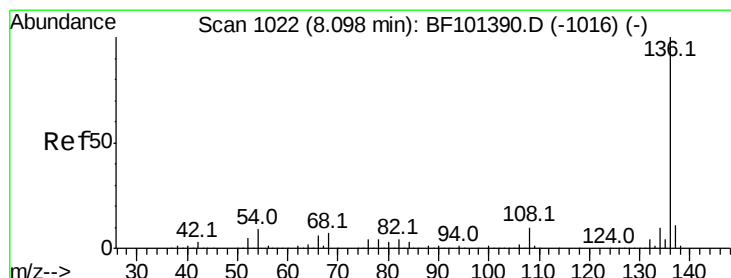
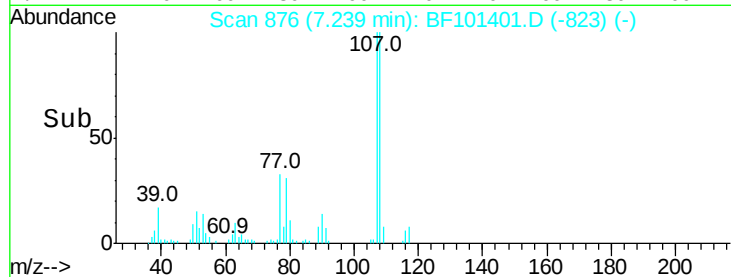
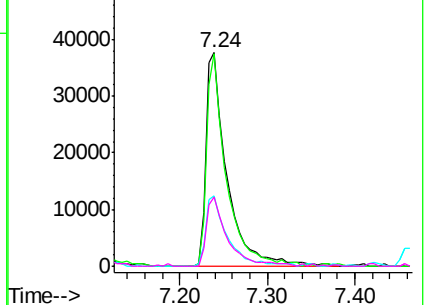
79 32.1 6.3 46.3

Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.10 min Scan# 1022

Delta R.T. -0.00 min

Lab File: BF101401.D

Acq: 14 Dec 2017 18:56

Tgt Ion:136 Resp: 669383

Ion Ratio Lower Upper

136 100

137 10.7 8.9 13.3

54 9.7 6.6 9.8

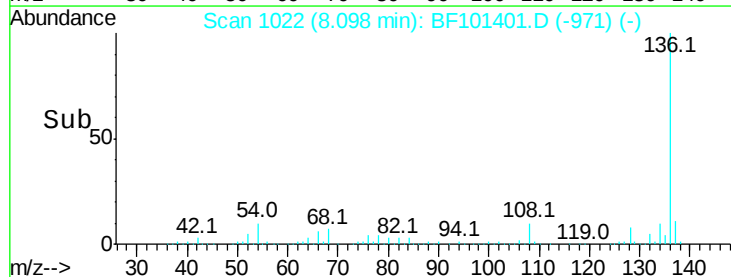
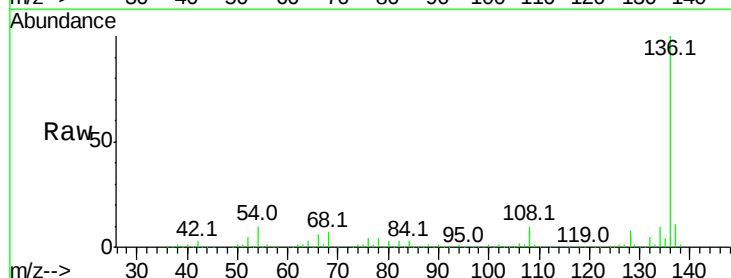
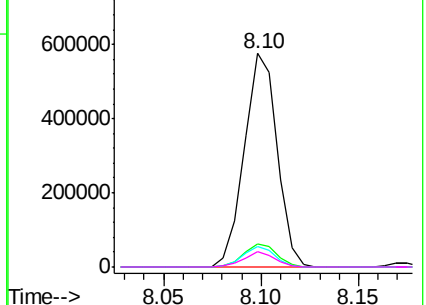
68 7.0 5.0 7.4

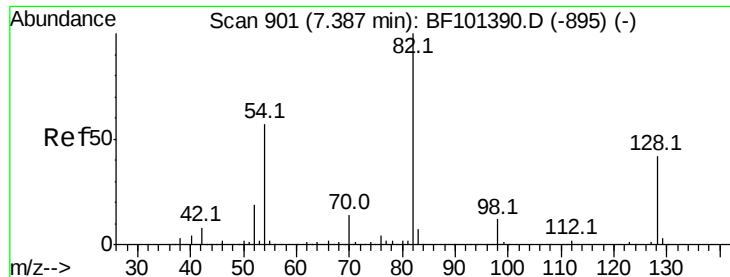
Abundance Ion 136.00 (135.70 to 136.70): E

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

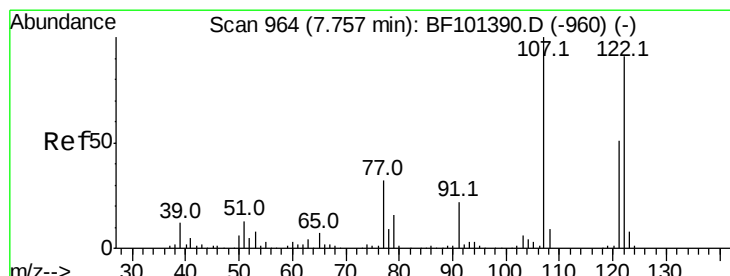
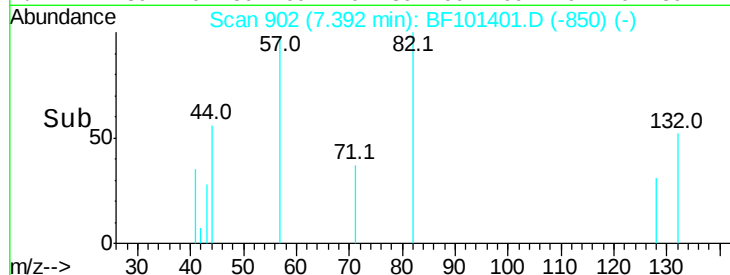
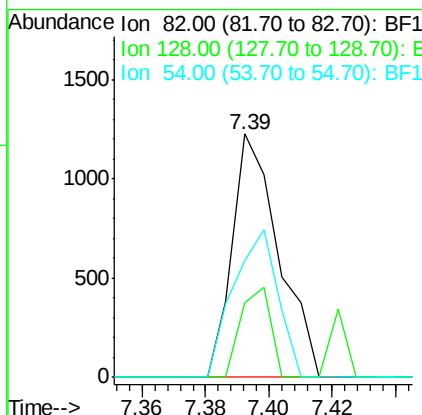
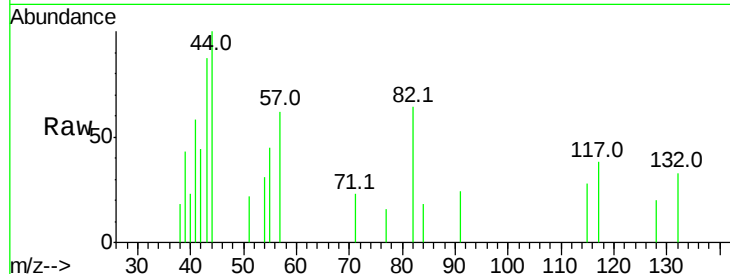




#23
 Nitrobenzene-d5
 Concen: 0.103 ng
 RT: 7.39 min Scan# 902
 Delta R.T. 0.01 min
 Lab File: BF101401.D
 Acq: 14 Dec 2017 18:56

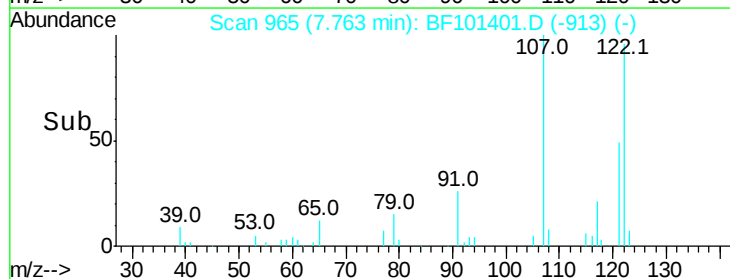
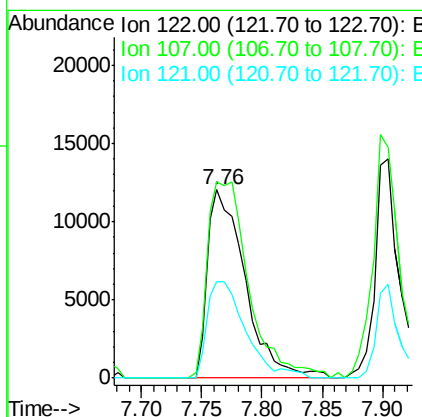
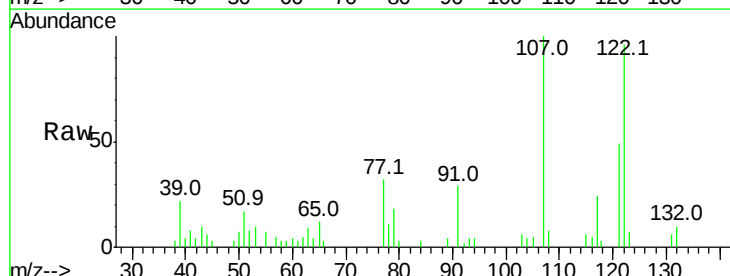
Instrument :
 BNA_F
 ClientSampleId :

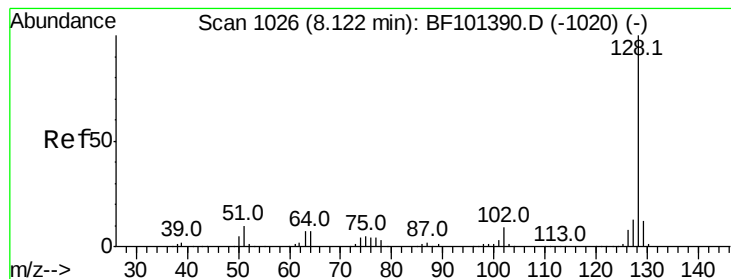
Tot Ion: 82 Resp: 1241
 Ion Ratio Lower Upper
 82 100
 128 30.7 36.1 54.1#
 54 48.0 41.4 62.2



#27
 2,4-Dimethylphenol
 Concen: 2.671 ng
 RT: 7.76 min Scan# 965
 Delta R.T. 0.01 min
 Lab File: BF101401.D
 Acq: 14 Dec 2017 18:56

Tgt Ion:122 Resp: 25944
 Ion Ratio Lower Upper
 122 100
 107 104.5 91.2 136.8
 121 51.5 47.2 70.8





#31

Naphthalene

Concen: 128.725 ng

RT: 8.13 min Scan# 1028

Delta R.T. 0.01 min

Lab File: BF101401.D

Acq: 14 Dec 2017 18:56

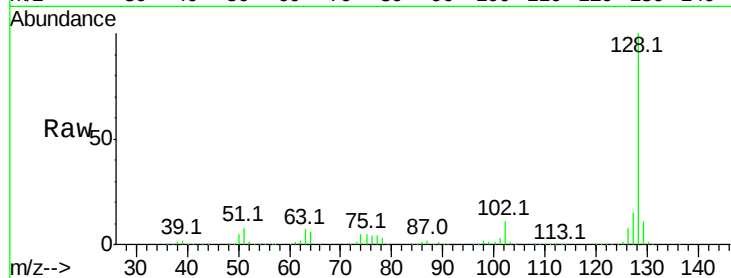
Instrument :

BNA_F

ClientSampleId :

Tot Ion:128 Resp: 4337941

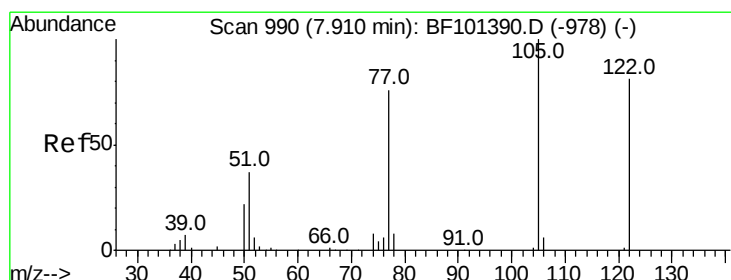
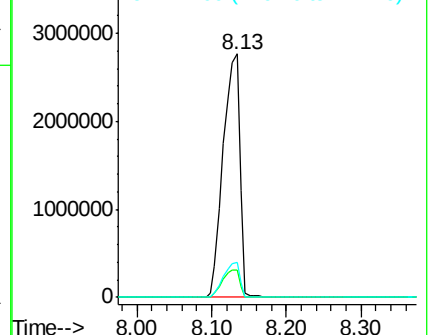
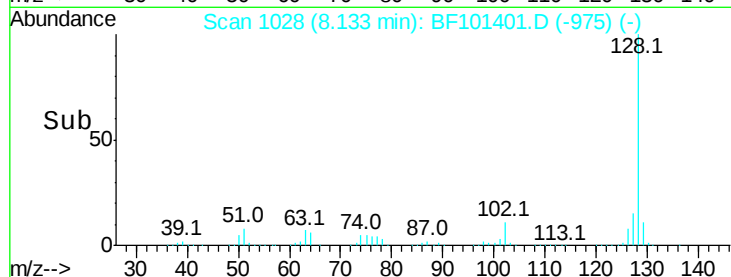
Ion	Ratio	Lower	Upper
128	100		
129	11.4	8.8	13.2
127	14.6	10.9	16.3



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 10.629 ng

RT: 7.90 min Scan# 989

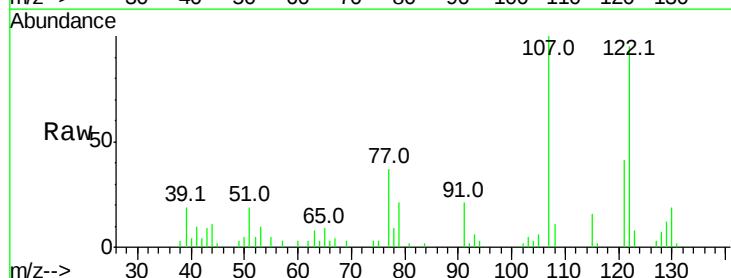
Delta R.T. -0.01 min

Lab File: BF101401.D

Acq: 14 Dec 2017 18:56

Tgt Ion:122 Resp: 20933

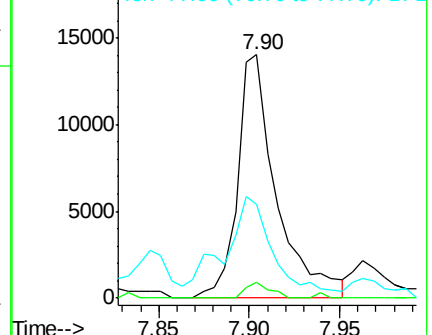
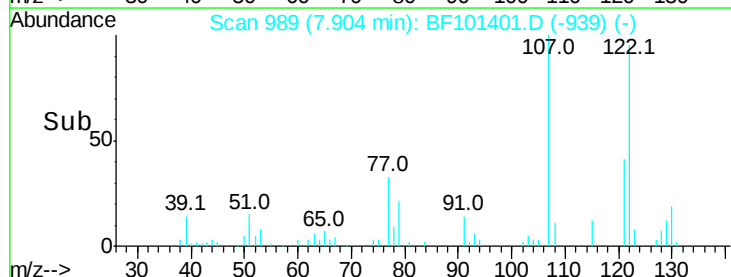
Ion	Ratio	Lower	Upper
122	100		
105	6.3	101.1	141.1#
77	38.5	70.7	110.7#

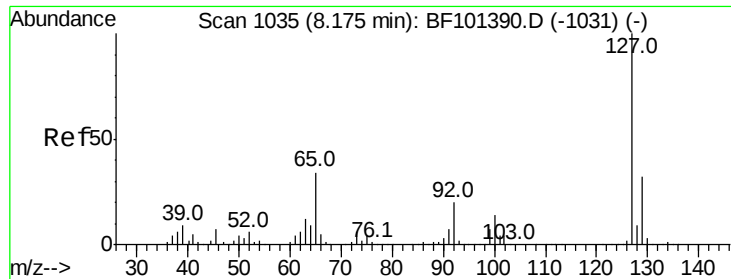


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

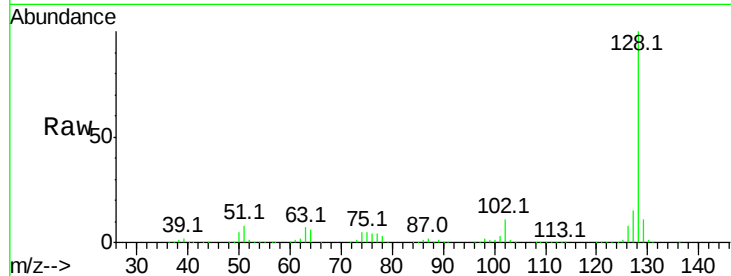




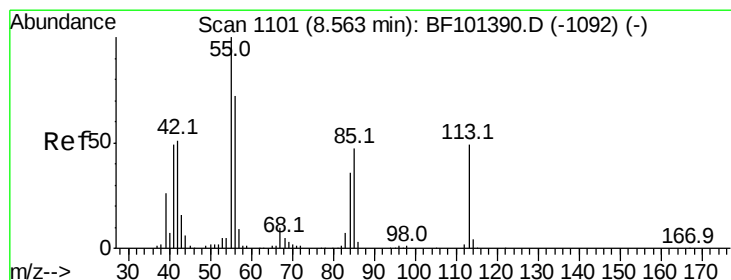
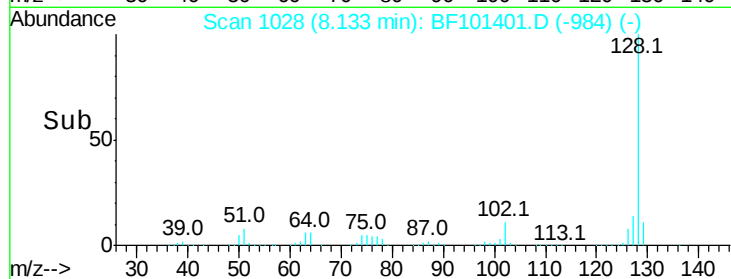
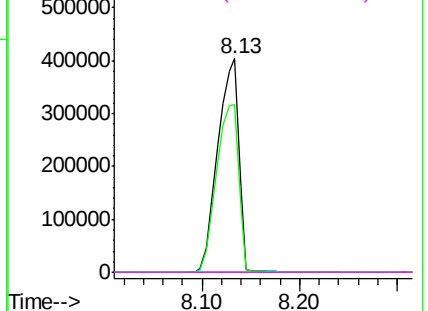
#33
4-Chloroaniline
Concen: 41.389 ng
RT: 8.13 min Scan# 1028
Delta R.T. -0.04 min
Lab File: BF101401.D
Acq: 14 Dec 2017 18:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	127	Resp:	606211
Ion	Ratio	Lower	Upper
127	100		
129	78.4	25.9	38.9#
65	0.0	25.0	37.4#
92	0.0	15.2	22.8#

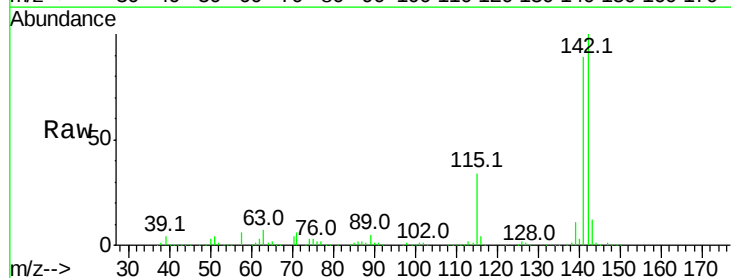


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1

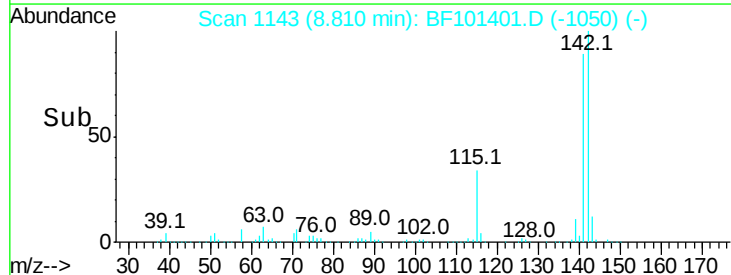
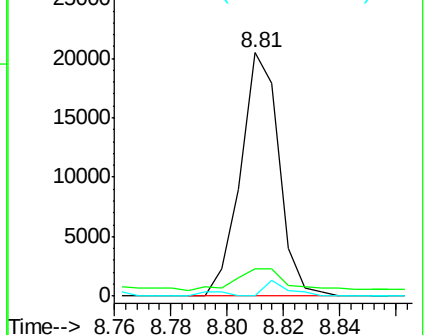


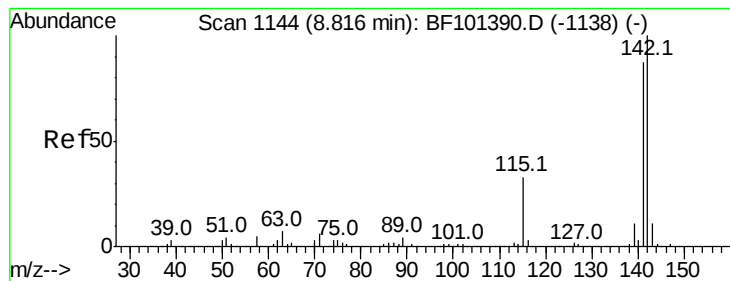
#35
Caprolactam
Concen: 5.781 ng
RT: 8.81 min Scan# 1143
Delta R.T. 0.25 min
Lab File: BF101401.D
Acq: 14 Dec 2017 18:56

Tgt Ion:	113	Resp:	19265
Ion	Ratio	Lower	Upper
113	100		
55	11.3	163.3	203.3#
56	0.0	115.7	155.7#



Abundance Ion 113.00 (112.70 to 113.70): E
Ion 55.00 (54.70 to 55.70): BF1
Ion 56.00 (55.70 to 56.70): BF1

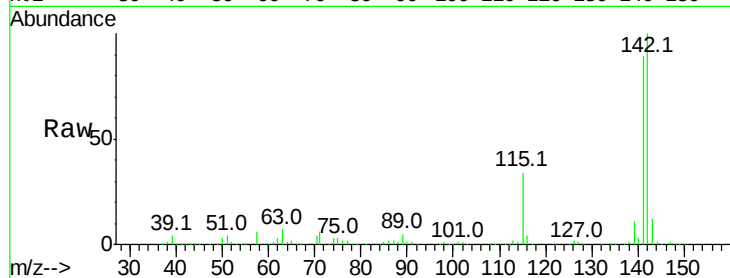




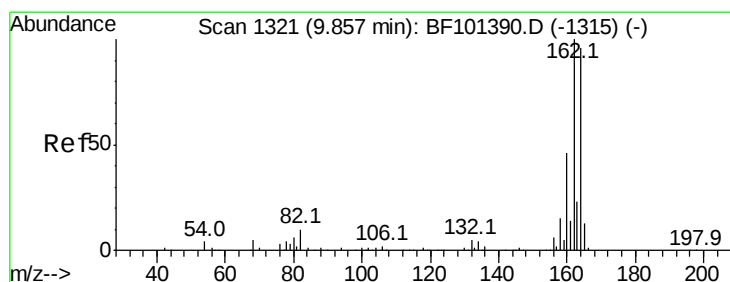
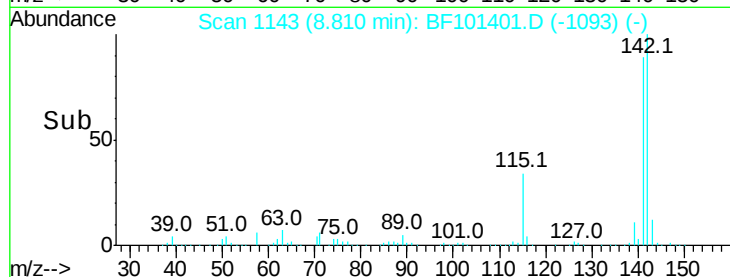
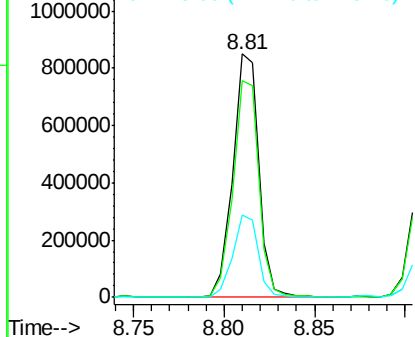
#37
2-Methylnaphthalene
Concen: 38.662 ng
RT: 8.81 min Scan# 1143
Delta R.T. -0.01 min
Lab File: BF101401.D
Acq: 14 Dec 2017 18:56

Instrument :
BNA_F
ClientSampled :

Tot Ion:142 Resp: 848848
Ion Ratio Lower Upper
142 100
141 88.9 70.8 106.2
115 34.0 26.1 39.1

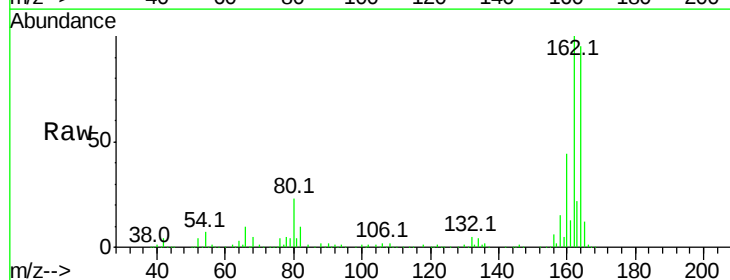


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

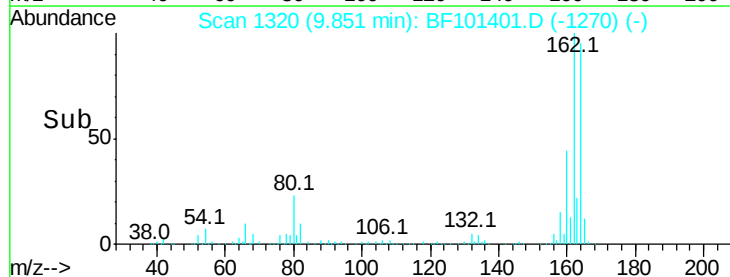
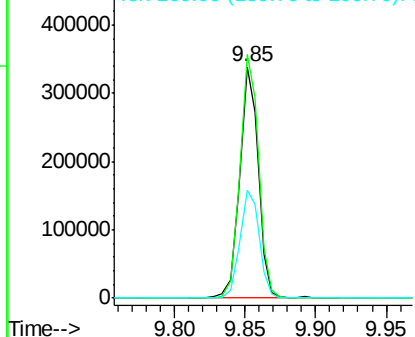


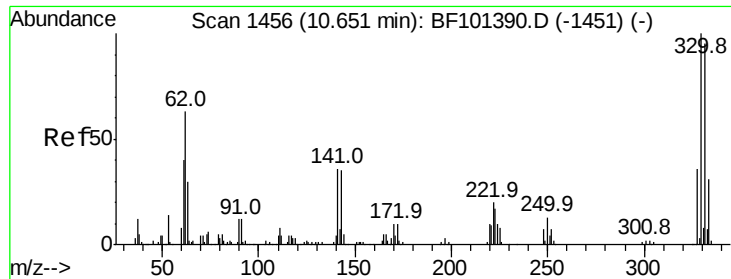
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BF101401.D
Acq: 14 Dec 2017 18:56

Tgt Ion:164 Resp: 309198
Ion Ratio Lower Upper
164 100
162 105.3 86.1 129.1
160 46.6 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

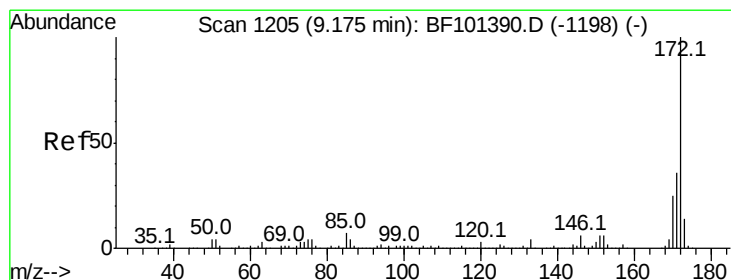
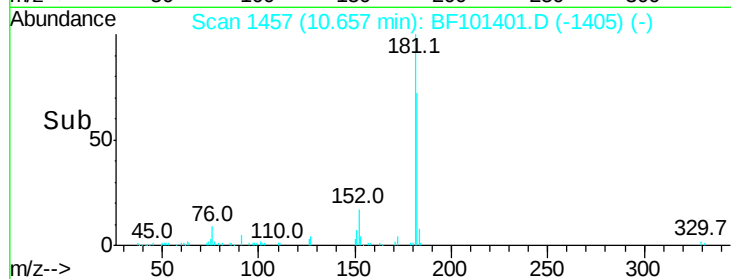
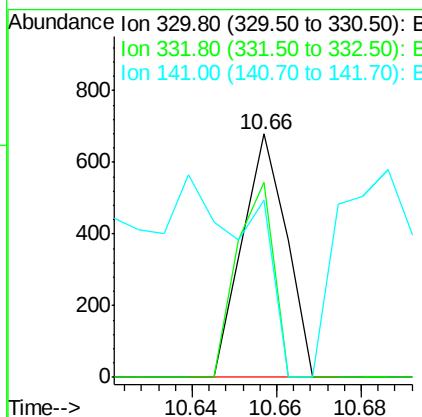
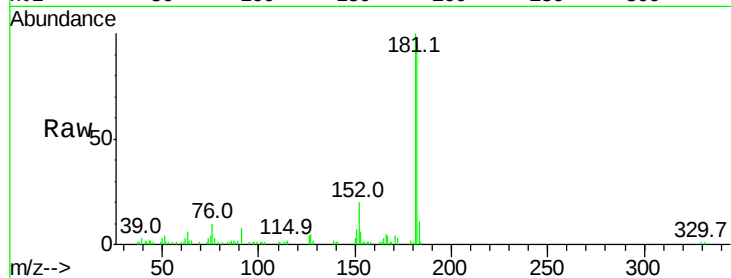




#41
 2,4,6-Tribromophenol
 Concen: 0.165 ng
 RT: 10.66 min Scan# 1457
 Delta R.T. 0.01 min
 Lab File: BF101401.D
 Acq: 14 Dec 2017 18:56

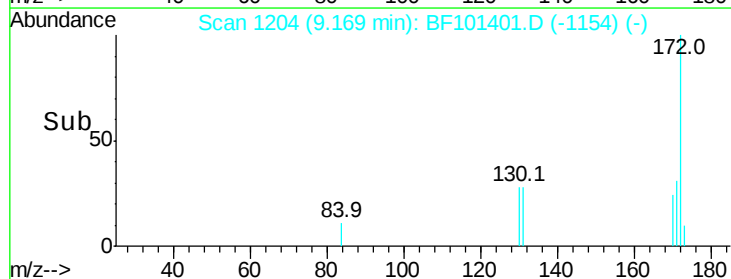
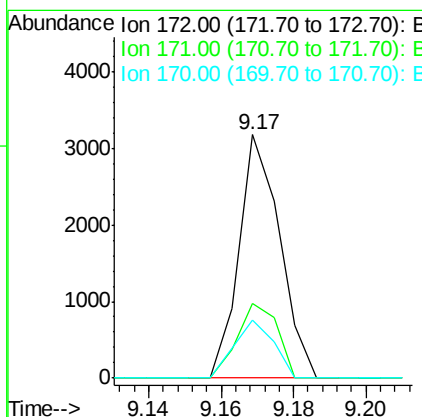
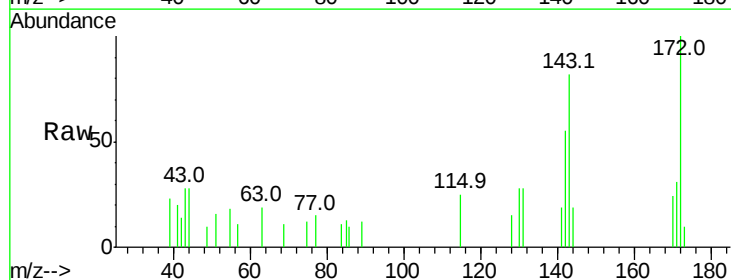
Instrument :
 BNA_F
 ClientSampled :

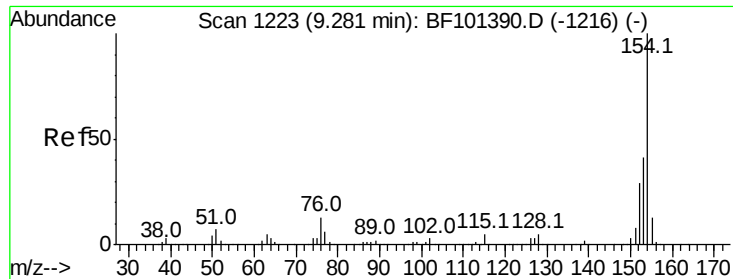
Tot Ion:330 Resp: 492
 Ion Ratio Lower Upper
 330 100
 332 66.5 77.0 115.6#
 141 0.0 29.9 44.9#



#44
 2-Fluorobiphenyl
 Concen: 0.126 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.01 min
 Lab File: BF101401.D
 Acq: 14 Dec 2017 18:56

Tgt Ion:172 Resp: 2504
 Ion Ratio Lower Upper
 172 100
 171 30.5 29.7 44.5
 170 23.7 19.6 29.4





#45

1,1'-Biphenyl

Concen: 9.276 ng

RT: 9.27 min Scan# 1222

Delta R.T. -0.01 min

Lab File: BF101401.D

Acq: 14 Dec 2017 18:56

Instrument :

BNA_F

ClientSampleId :

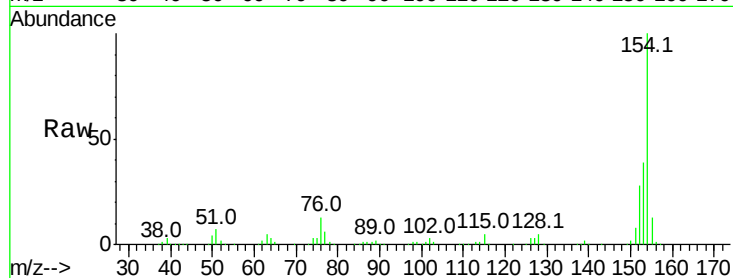
Tot Ion:154 Resp: 254372

Ion Ratio Lower Upper

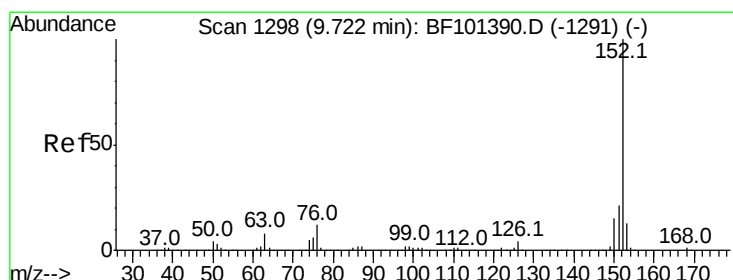
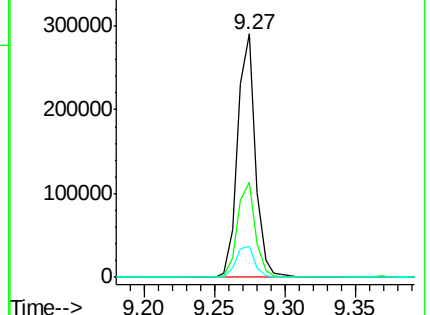
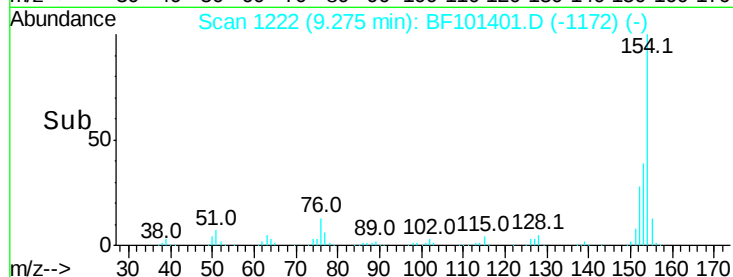
154 100

153 39.1 21.3 61.3

76 12.8 0.0 34.0



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF1



#48

Acenaphthylene

Concen: 34.287 ng

RT: 9.72 min Scan# 1297

Delta R.T. -0.01 min

Lab File: BF101401.D

Acq: 14 Dec 2017 18:56

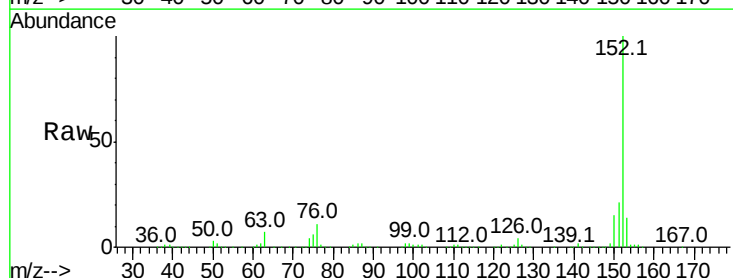
Tgt Ion:152 Resp: 1136256

Ion Ratio Lower Upper

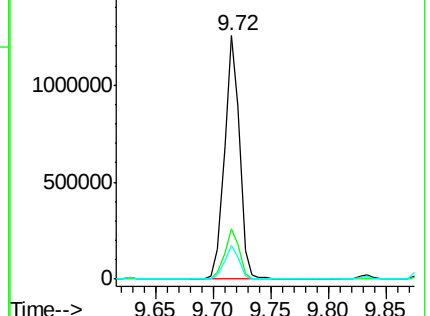
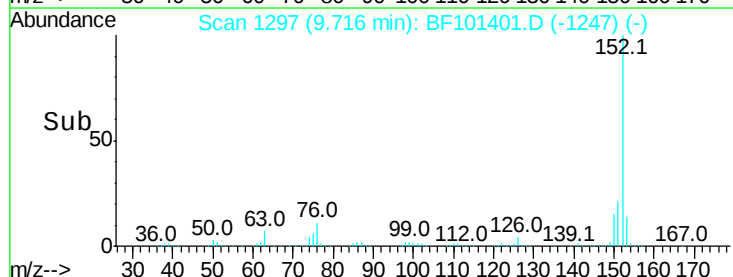
152 100

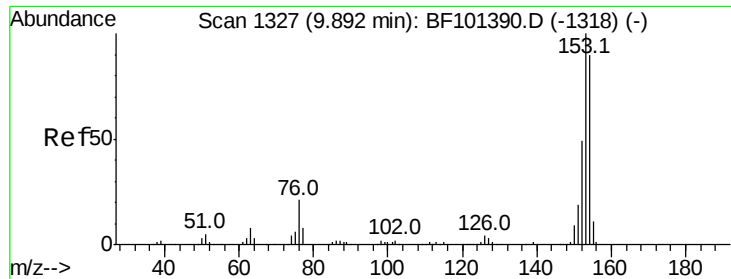
151 20.8 16.3 24.5

153 13.6 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





#51

Acenaphthene

Concen: 10.096 ng

RT: 9.89 min Scan# 1326

Delta R.T. -0.01 min

Lab File: BF101401.D

Acq: 14 Dec 2017 18:56

Instrument :

BNA_F

ClientSampleId :

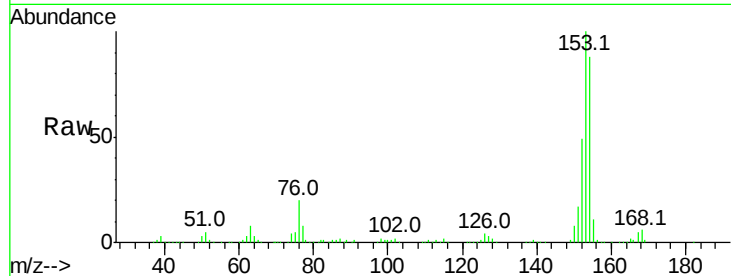
Tot Ion:154 Resp: 201017

Ion Ratio Lower Upper

154 100

153 113.0 91.2 136.8

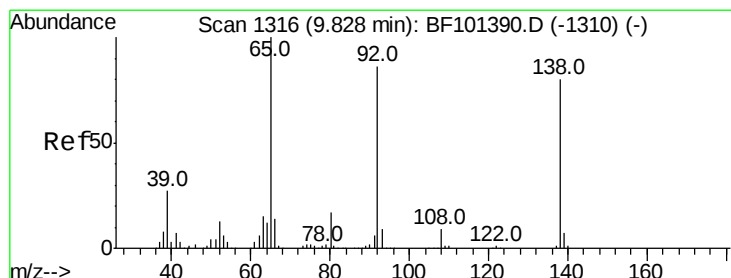
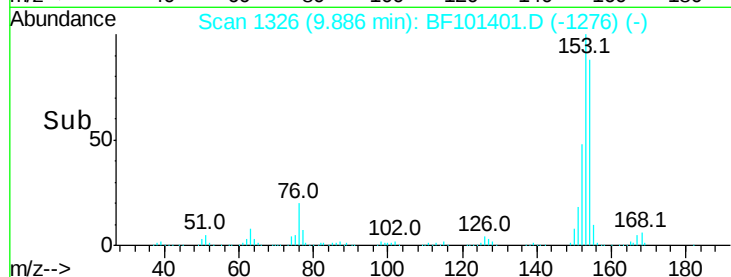
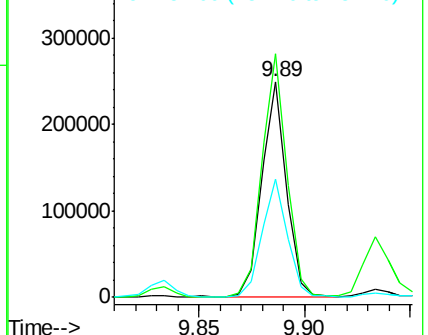
152 54.9 43.8 65.8



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 2.218 ng

RT: 10.06 min Scan# 1356

Delta R.T. 0.24 min

Lab File: BF101401.D

Acq: 14 Dec 2017 18:56

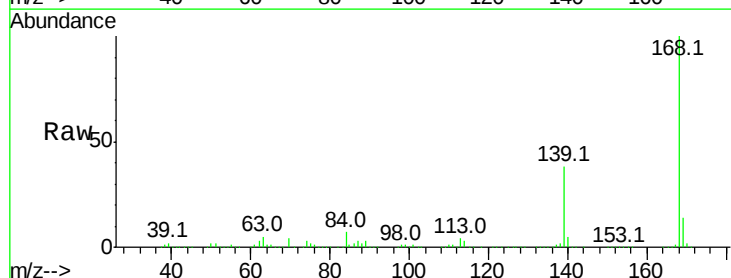
Tgt Ion:138 Resp: 13976

Ion Ratio Lower Upper

138 100

108 2.9 9.4 14.0#

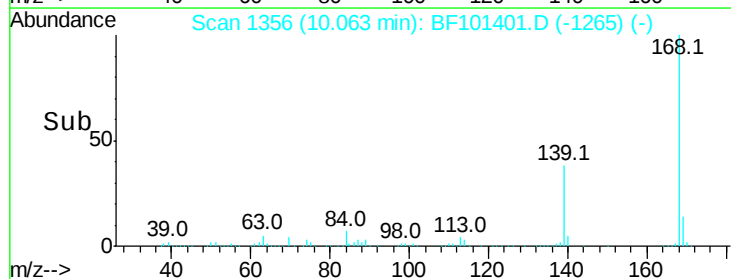
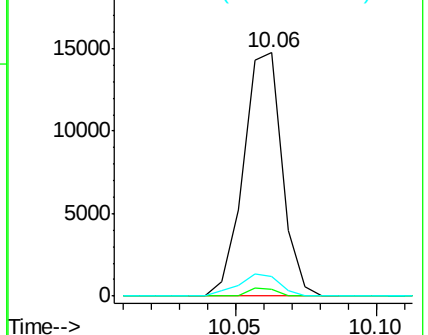
92 8.2 89.4 134.2#

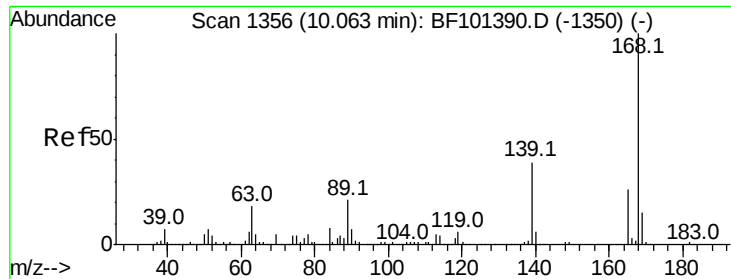


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1





#54

Dibenzenofuran

Concen: 33.308 ng

RT: 10.06 min Scan# 1356

Delta R.T. -0.00 min

Lab File: BF101401.D

Acq: 14 Dec 2017 18:56

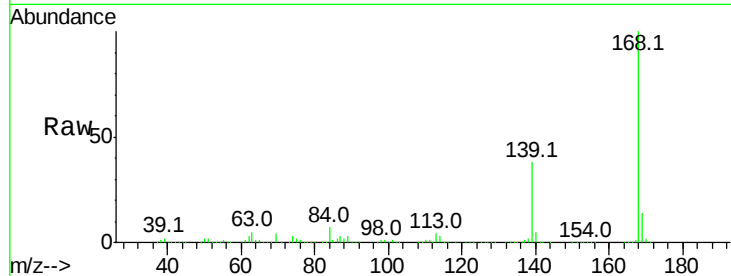
Instrument :

BNA_F

ClientSampleId :

Tot Ion:168 Resp: 842777

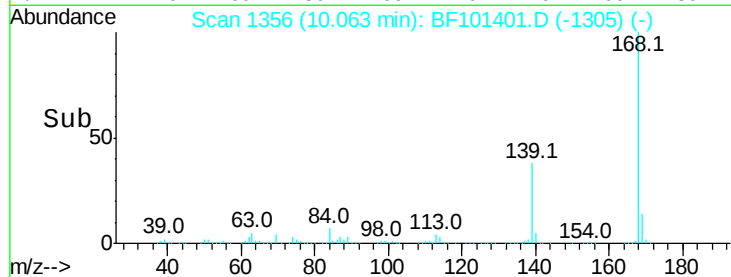
Ion	Ratio	Lower	Upper
168	100		
139	37.7	30.1	45.1
169	14.2	10.9	16.3



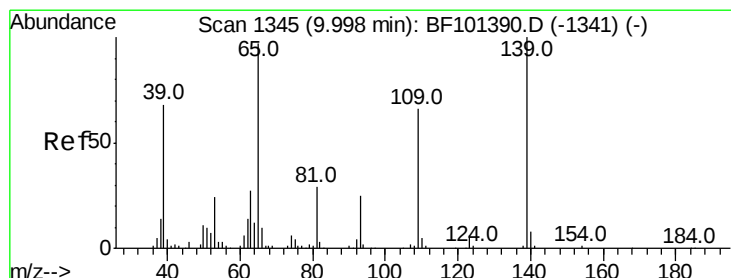
Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



Time-->



#55

4-Nitrophenol

Concen: 117.461 ng

RT: 10.06 min Scan# 1356

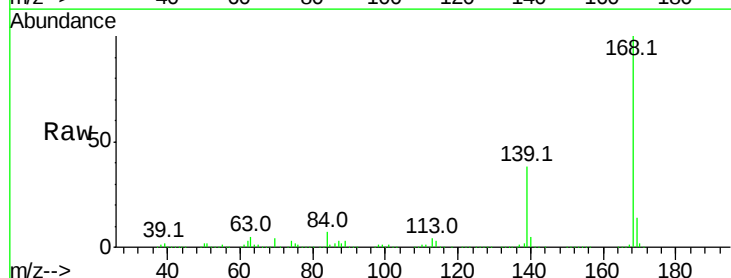
Delta R.T. 0.06 min

Lab File: BF101401.D

Acq: 14 Dec 2017 18:56

Tgt Ion:139 Resp: 322781

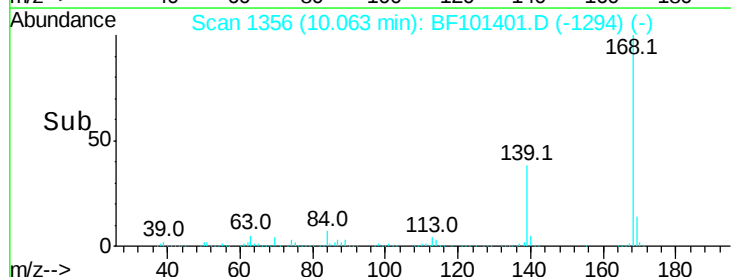
Ion	Ratio	Lower	Upper
139	100		
109	0.8	48.4	88.4#
65	1.4	72.6	112.6#



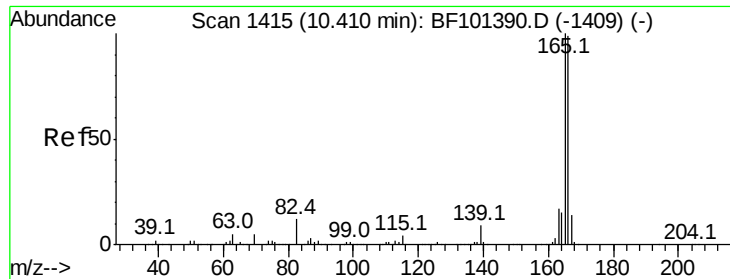
Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1



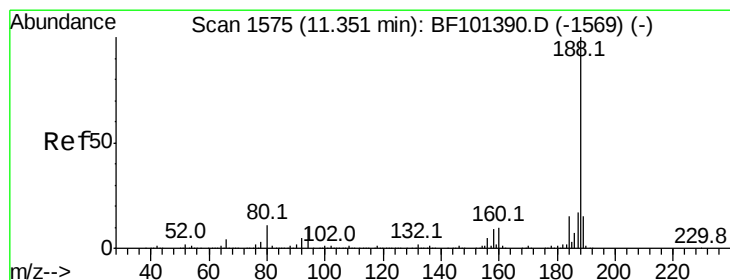
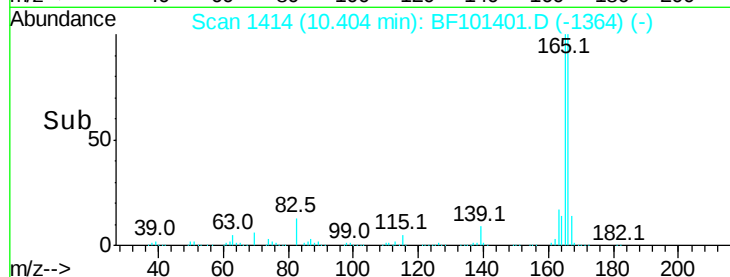
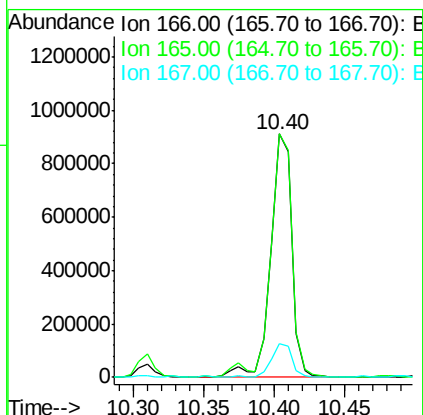
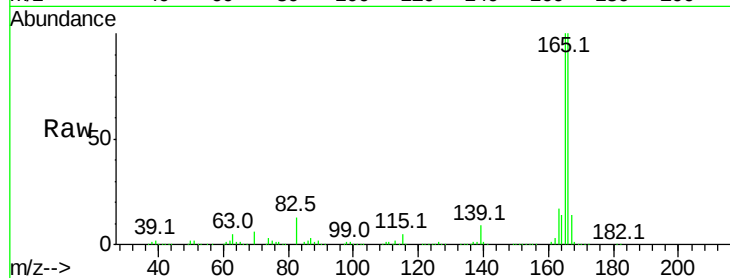
Time-->



#57
 Fluorene
 Concen: 44.939 ng
 RT: 10.40 min Scan# 1414
 Delta R.T. -0.01 min
 Lab File: BF101401.D
 Acq: 14 Dec 2017 18:56

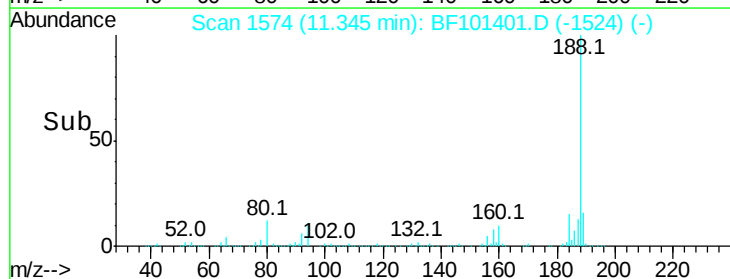
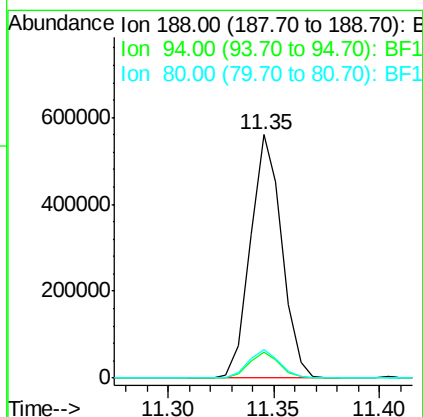
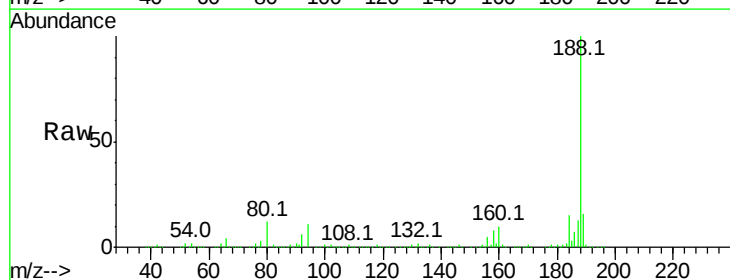
Instrument :
 BNA_F
 ClientSampleId :

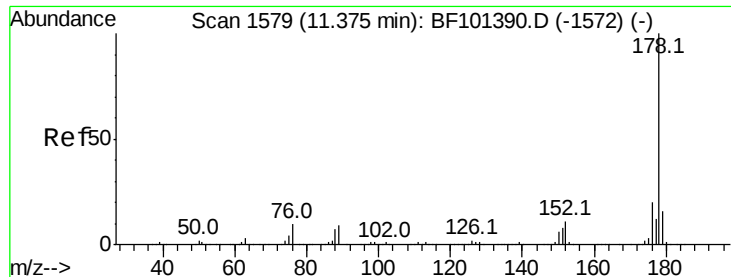
Tot Ion:166 Resp: 961908
 Ion Ratio Lower Upper
 166 100
 165 100.2 79.8 119.8
 167 13.9 10.6 16.0



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.35 min Scan# 1574
 Delta R.T. -0.01 min
 Lab File: BF101401.D
 Acq: 14 Dec 2017 18:56

Tgt Ion:188 Resp: 576954
 Ion Ratio Lower Upper
 188 100
 94 10.9 8.5 12.7
 80 11.7 9.2 13.8

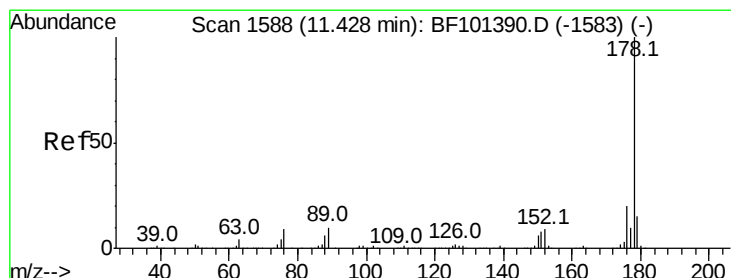
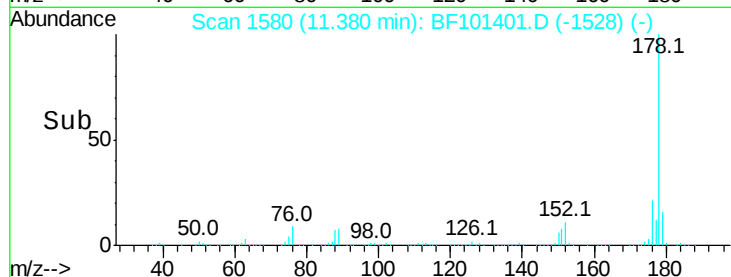
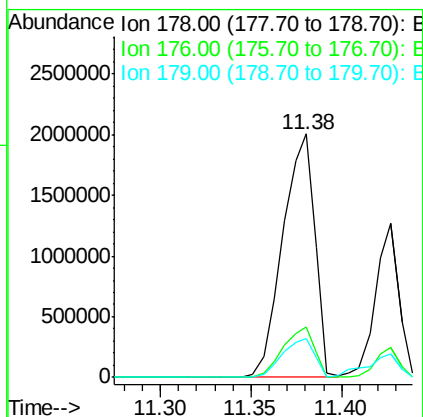
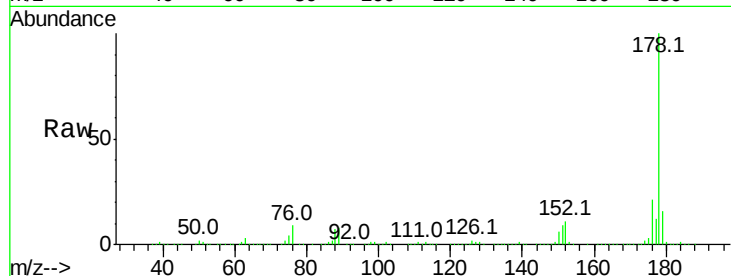




#70
Phenanthrene
Concen: 77.450 ng
RT: 11.38 min Scan# 1580
Delta R.T. 0.01 min
Lab File: BF101401.D
Acq: 14 Dec 2017 18:56

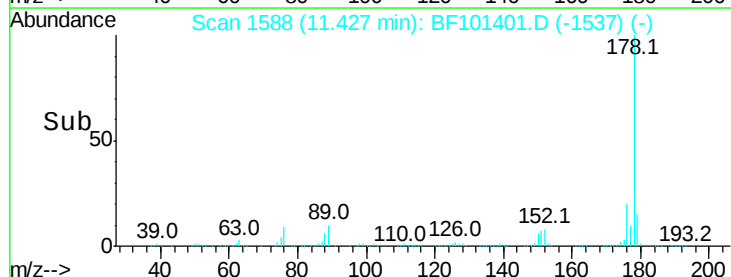
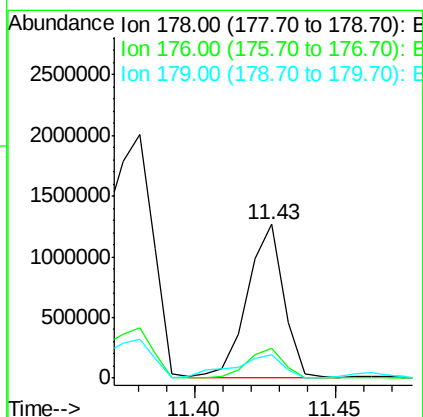
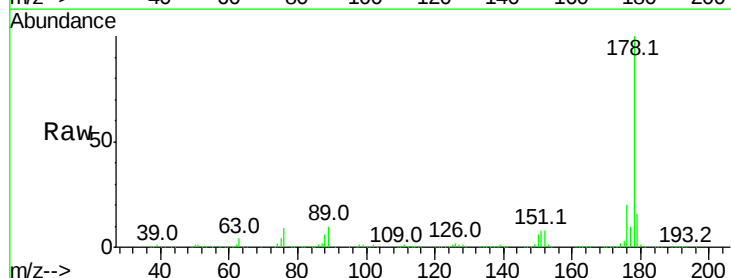
Instrument :
BNA_F
ClientSampleId :

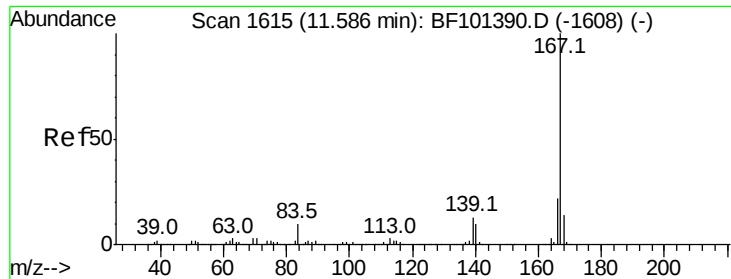
Tot Ion:178 Resp: 2485010
Ion Ratio Lower Upper
178 100
176 20.8 15.8 23.8
179 16.1 13.0 19.6



#71
Anthracene
Concen: 34.265 ng
RT: 11.43 min Scan# 1588
Delta R.T. -0.00 min
Lab File: BF101401.D
Acq: 14 Dec 2017 18:56

Tgt Ion:178 Resp: 1123019
Ion Ratio Lower Upper
178 100
176 19.8 15.4 23.2
179 15.5 12.6 19.0





#72

Carbazole

Concen: 15.687 ng

RT: 11.58 min Scan# 1614

Delta R.T. -0.01 min

Lab File: BF101401.D

Acq: 14 Dec 2017 18:56

Instrument :

BNA_F

ClientSampleId :

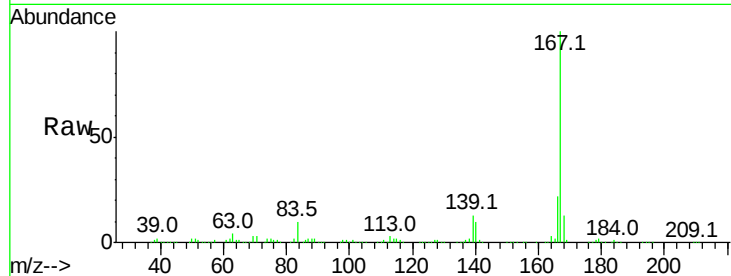
Tot Ion:167 Resp: 481349

Ion Ratio Lower Upper

167 100

166 22.2 17.6 26.4

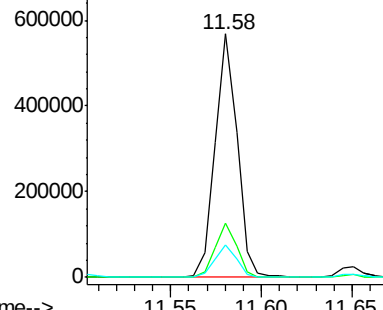
139 13.2 10.9 16.3



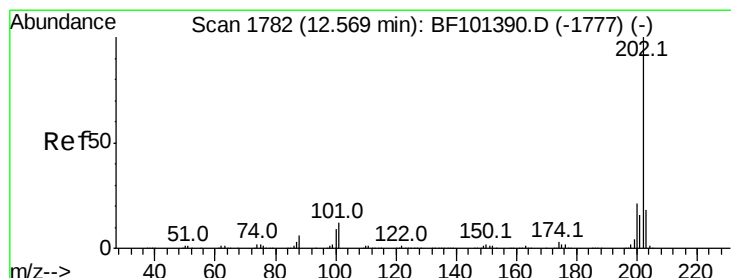
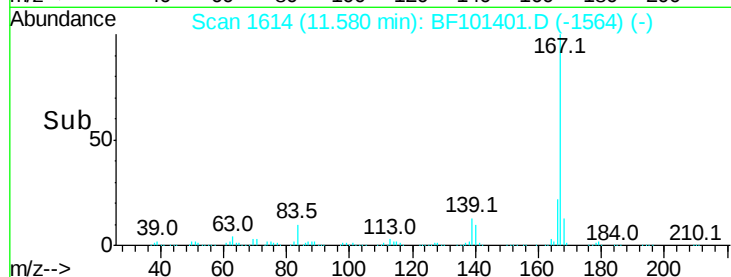
Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



Time-->



#74

Fluoranthene

Concen: 55.779 ng

RT: 12.57 min Scan# 1782

Delta R.T. -0.00 min

Lab File: BF101401.D

Acq: 14 Dec 2017 18:56

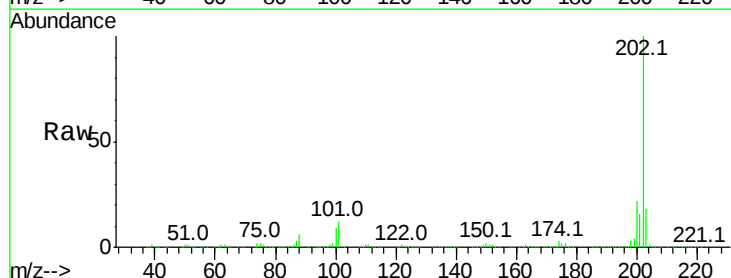
Tgt Ion:202 Resp: 1878524

Ion Ratio Lower Upper

202 100

101 12.5 0.0 34.1

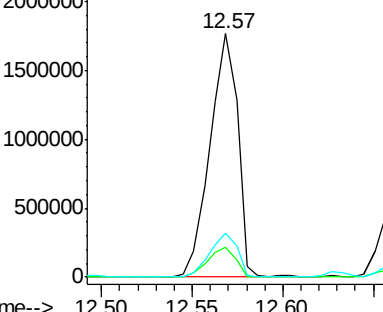
203 18.0 0.0 38.1



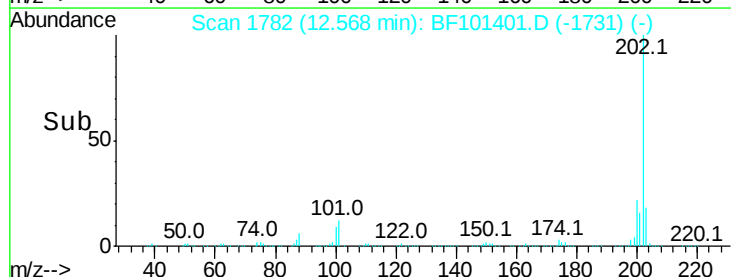
Abundance Ion 202.00 (201.70 to 202.70): E

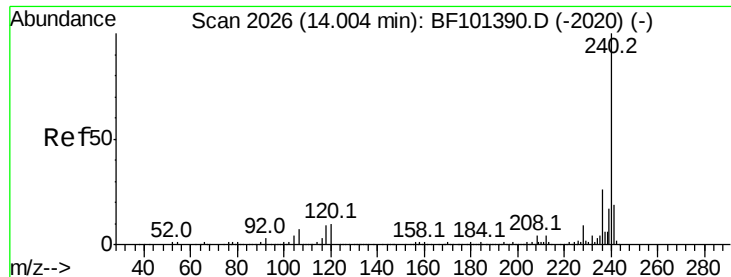
Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.00 min Scan# 2025

Delta R.T. -0.01 min

Lab File: BF101401.D

Acq: 14 Dec 2017 18:56

Instrument :

BNA_F

ClientSampleId :

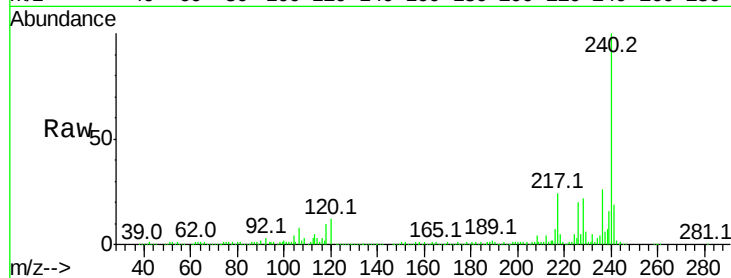
Tot Ion:240 Resp: 369051

Ion Ratio Lower Upper

240 100

120 11.6 9.5 14.3

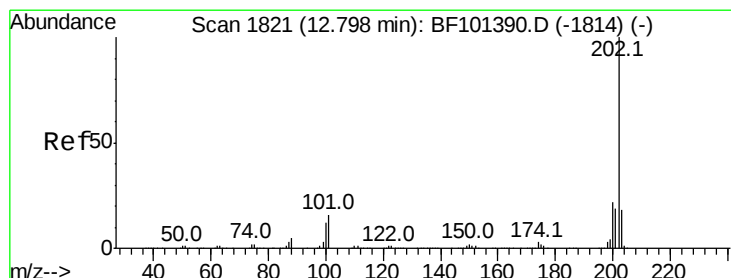
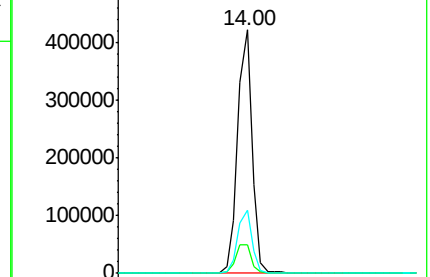
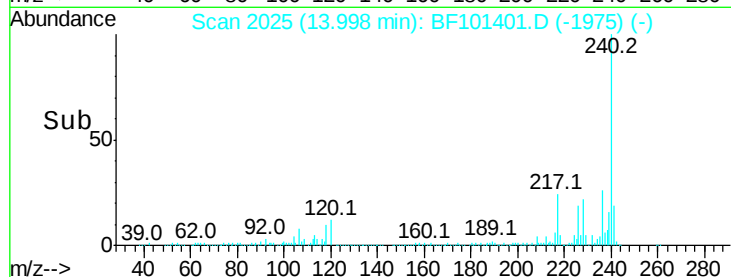
236 26.0 20.7 31.1



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: 53.658 ng

RT: 12.80 min Scan# 1821

Delta R.T. -0.00 min

Lab File: BF101401.D

Acq: 14 Dec 2017 18:56

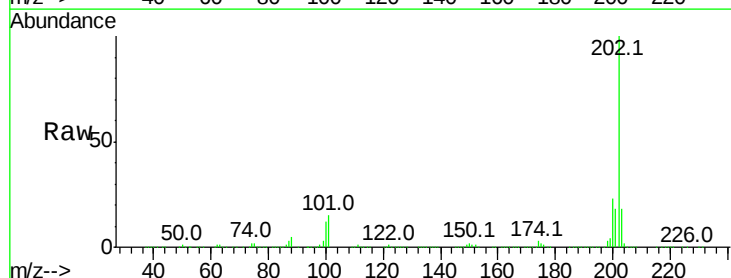
Tgt Ion:202 Resp: 1486180

Ion Ratio Lower Upper

202 100

200 22.6 17.4 26.2

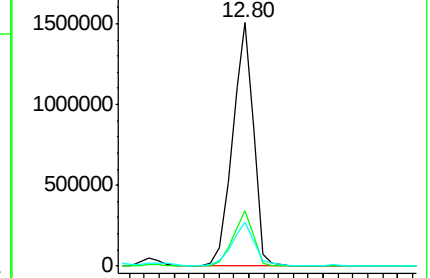
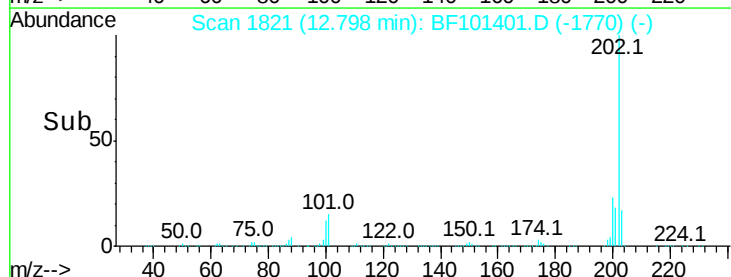
203 18.1 14.3 21.5

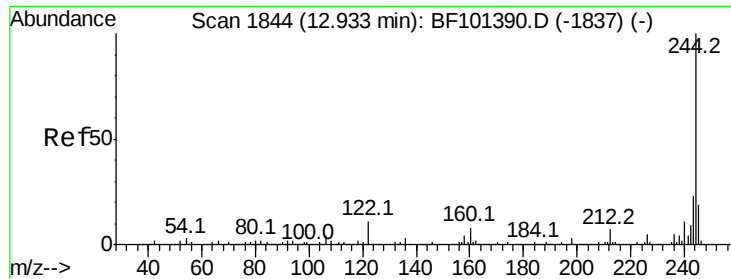


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 0.299 ng

RT: 12.92 min Scan# 1842

Delta R.T. -0.01 min

Lab File: BF101401.D

Acq: 14 Dec 2017 18:56

Instrument :

BNA_F

ClientSampled :

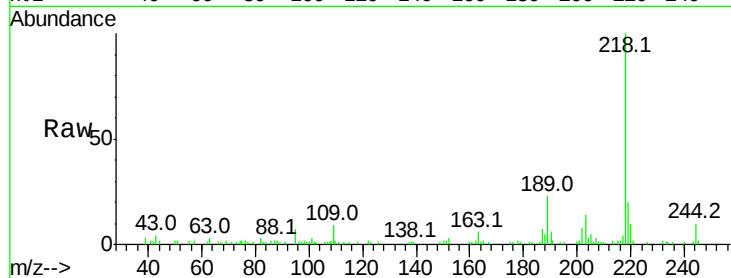
Tot Ion:244 Resp: 4573

Ion Ratio Lower Upper

244 100

212 0.0 5.4 8.0#

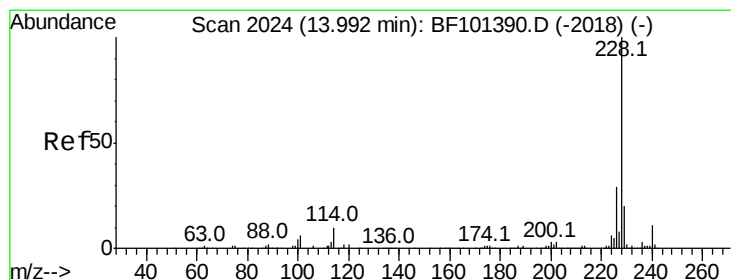
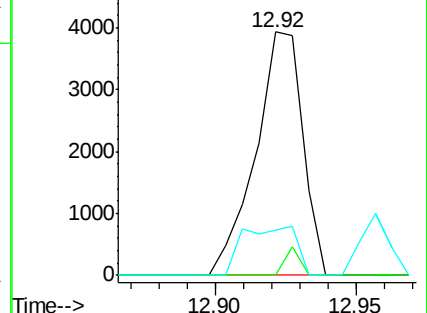
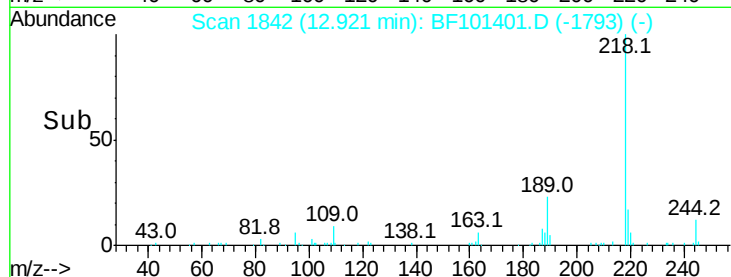
122 18.6 11.0 16.4#



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: 29.534 ng

RT: 13.99 min Scan# 2023

Delta R.T. -0.01 min

Lab File: BF101401.D

Acq: 14 Dec 2017 18:56

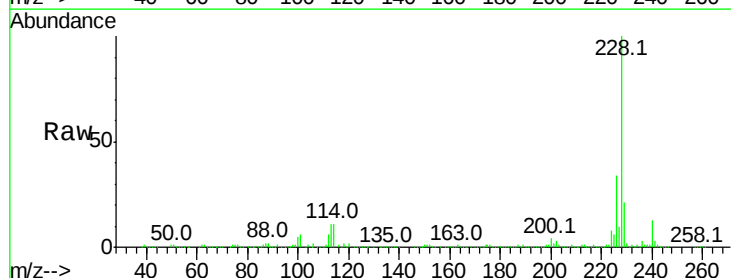
Tgt Ion:228 Resp: 719704

Ion Ratio Lower Upper

228 100

226 33.8 22.6 33.8

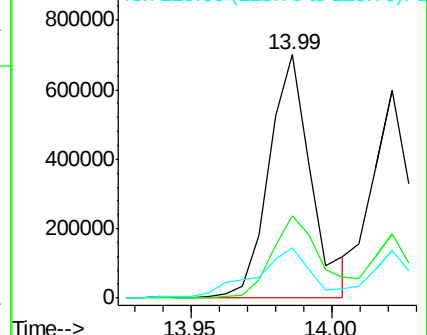
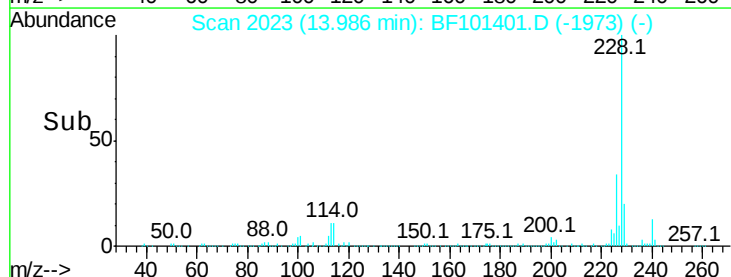
229 20.7 15.8 23.6

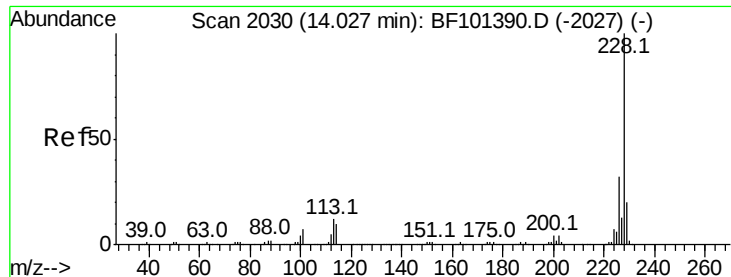


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 23.191 ng

RT: 14.02 min Scan# 2029

Delta R.T. -0.01 min

Lab File: BF101401.D

Acq: 14 Dec 2017 18:56

Instrument :

BNA_F

ClientSampleId :

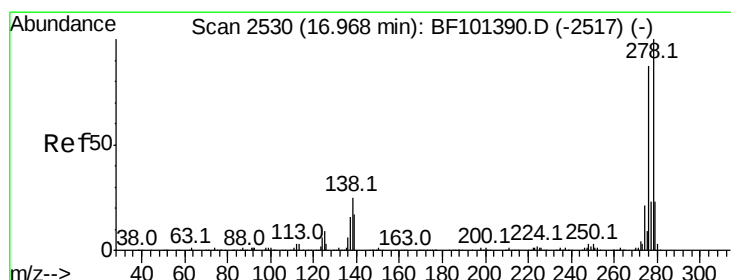
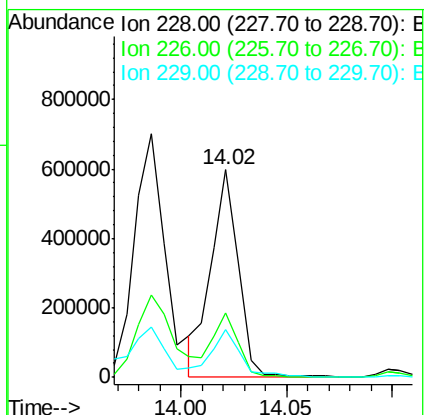
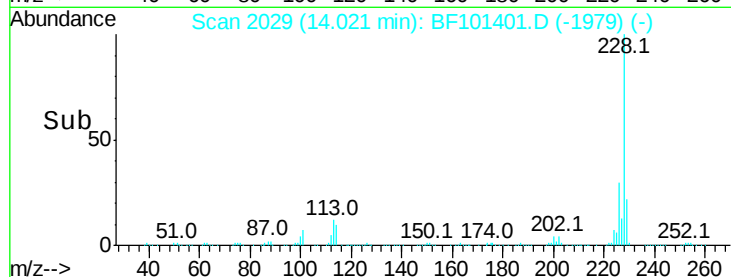
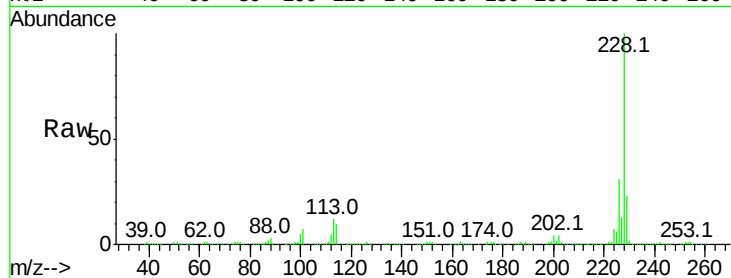
Tot Ion:228 Resp: 533605

Ion Ratio Lower Upper

228 100

226 30.8 25.0 37.6

229 23.0 16.2 24.4



#85

Indeno(1,2,3-cd)pyrene

Concen: 9.333 ng

RT: 16.94 min Scan# 2526

Delta R.T. -0.02 min

Lab File: BF101401.D

Acq: 14 Dec 2017 18:56

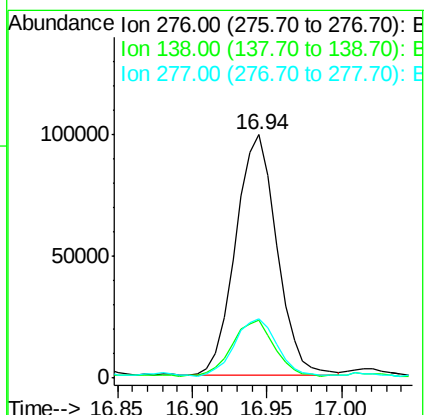
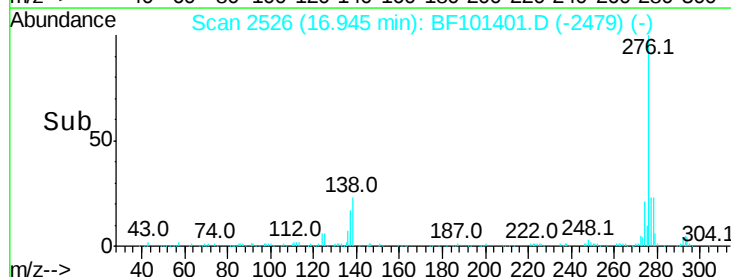
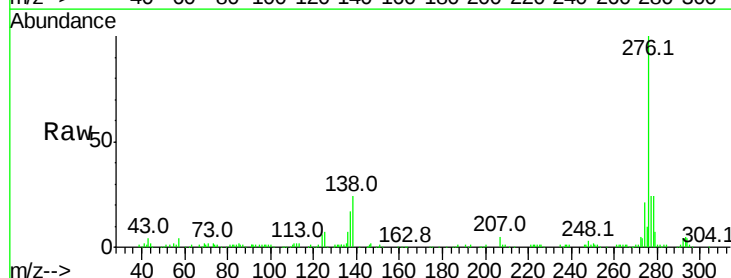
Tgt Ion:276 Resp: 191227

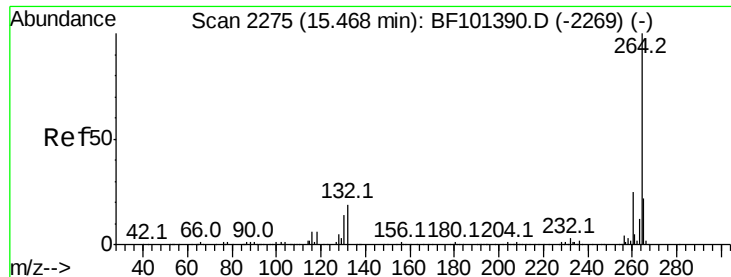
Ion Ratio Lower Upper

276 100

138 25.0 25.0 37.6#

277 23.9 20.1 30.1

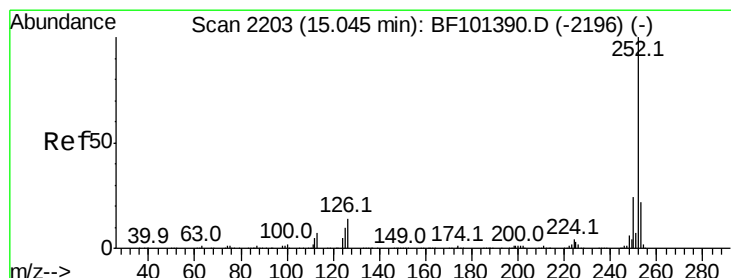
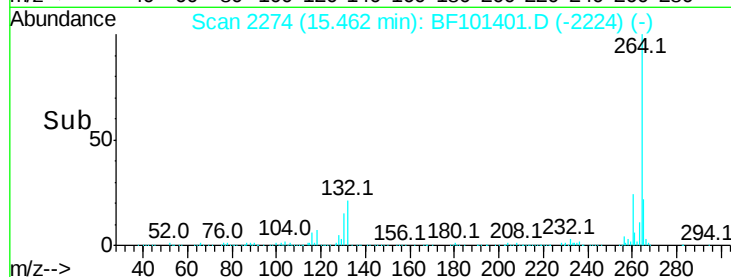
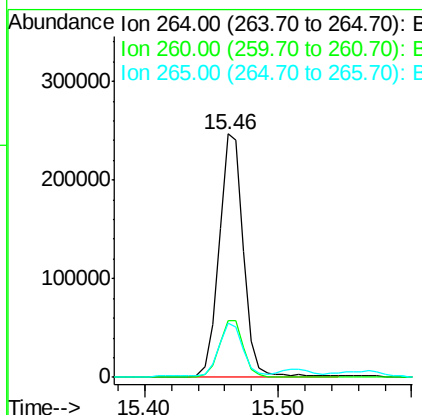
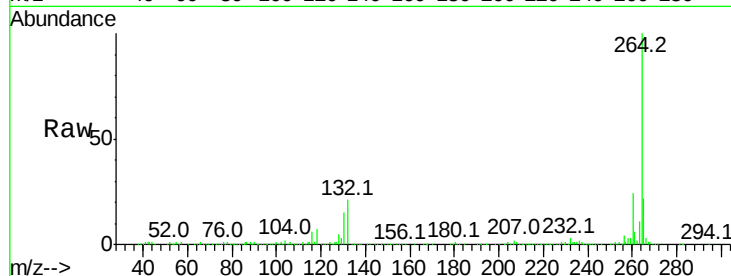




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2274
Delta R.T. -0.01 min
Lab File: BF101401.D
Acq: 14 Dec 2017 18:56

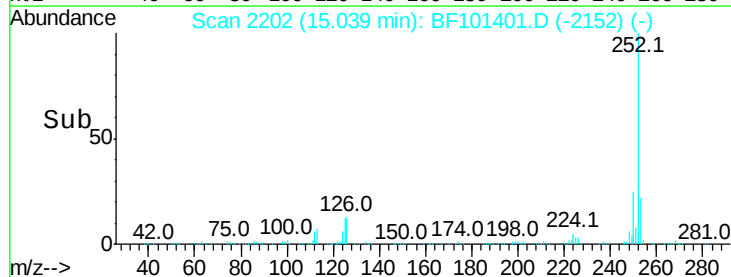
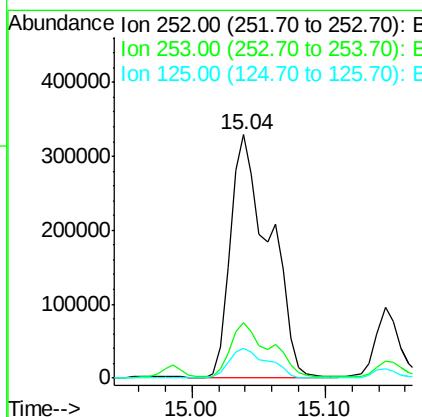
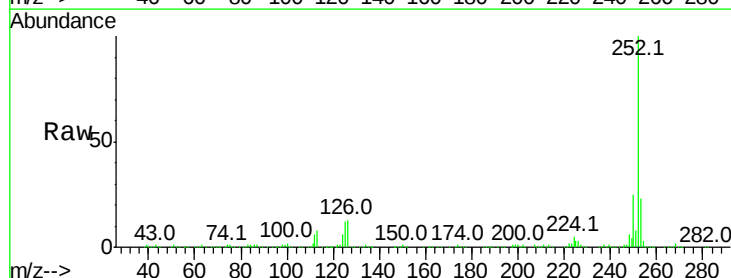
Instrument :
BNA_F
ClientSampleId :

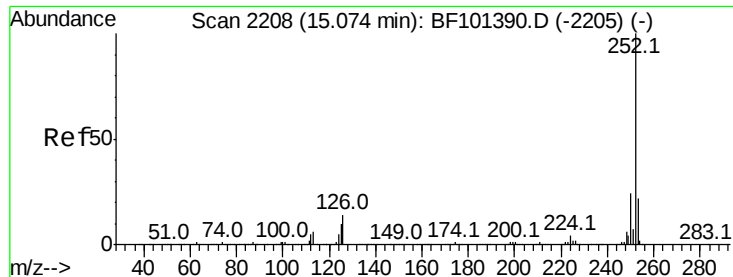
Tot Ion:264 Resp: 315744
Ion Ratio Lower Upper
264 100
260 23.6 19.2 28.8
265 22.3 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 34.669 ng
RT: 15.04 min Scan# 2202
Delta R.T. -0.01 min
Lab File: BF101401.D
Acq: 14 Dec 2017 18:56

Tgt Ion:252 Resp: 667218
Ion Ratio Lower Upper
252 100
253 23.0 17.0 25.6
125 12.0 9.0 13.6





#88

Benzo(k)fluoranthene

Concen: 35.658 ng

RT: 15.04 min Scan# 2202

Delta R.T. -0.04 min

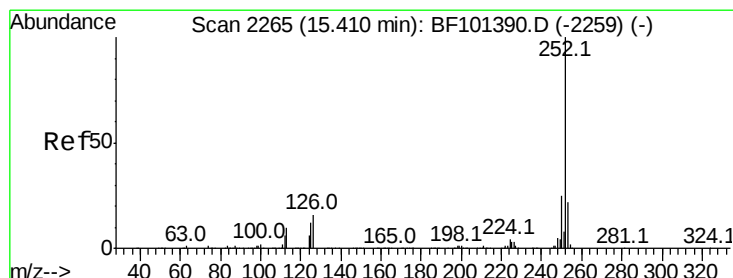
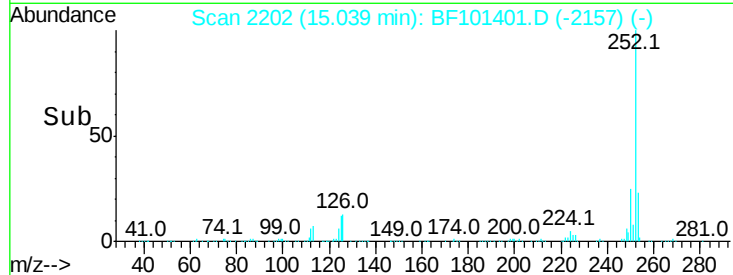
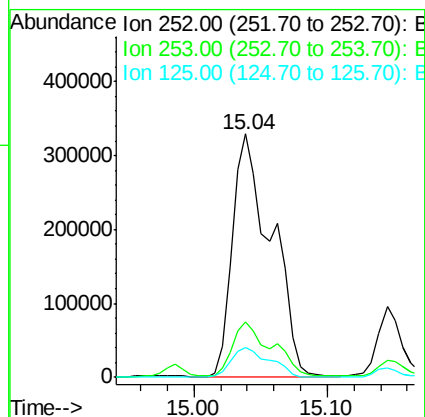
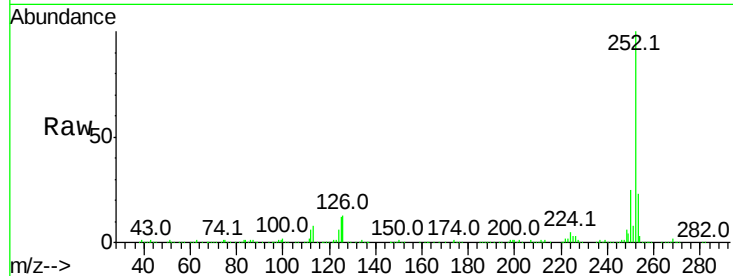
Lab File: BF101401.D

Acq: 14 Dec 2017 18:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 667218

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.9	26.9
125	12.0	10.2	15.2



#89

Benzo(a)pyrene

Concen: 21.347 ng

RT: 15.40 min Scan# 2264

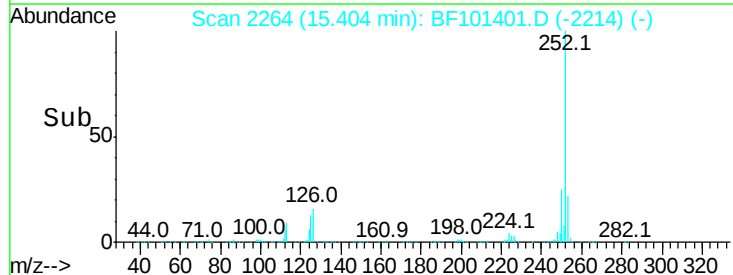
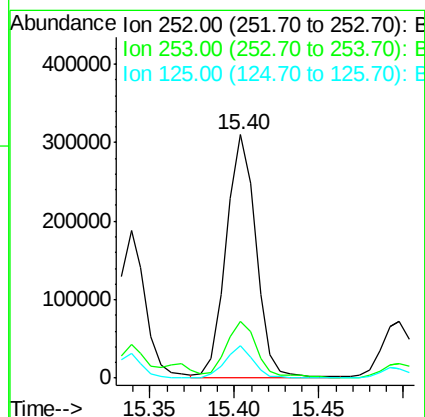
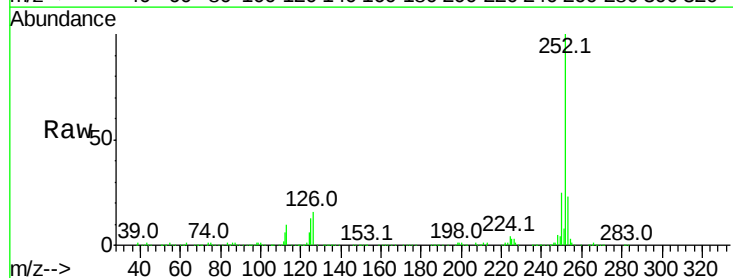
Delta R.T. -0.01 min

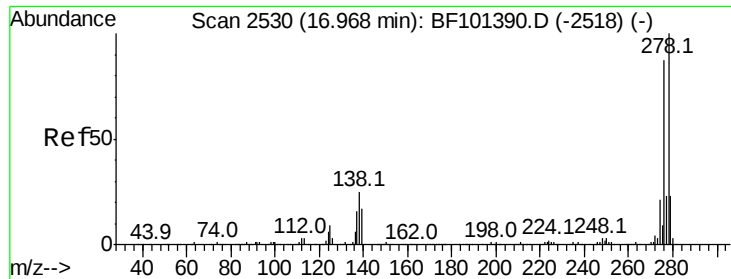
Lab File: BF101401.D

Acq: 14 Dec 2017 18:56

Tgt Ion:252 Resp: 378721

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.1	25.7
125	13.1	9.8	14.6





#90

Dibenzo(a,h)anthracene

Concen: 2.101 ng

RT: 16.74 min Scan# 2492

Delta R.T. -0.22 min

Lab File: BF101401.D

Acq: 14 Dec 2017 18:56

Instrument :

BNA_F

ClientSampleId :

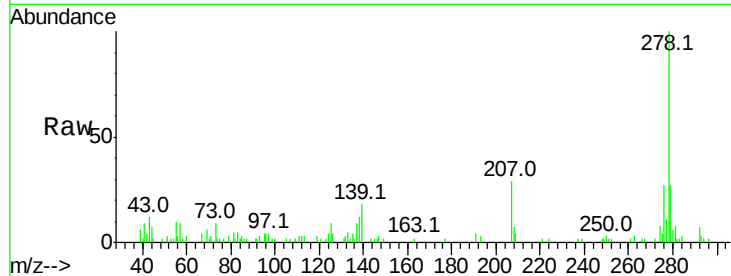
Tot Ion:278 Resp: 32009

Ion Ratio Lower Upper

278 100

139 18.3 15.9 23.9

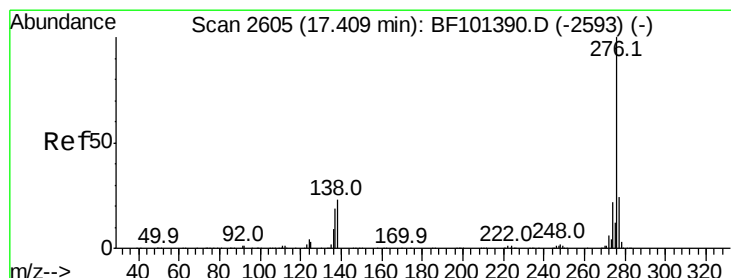
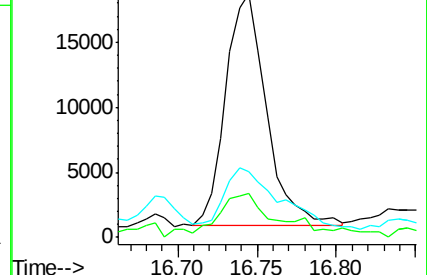
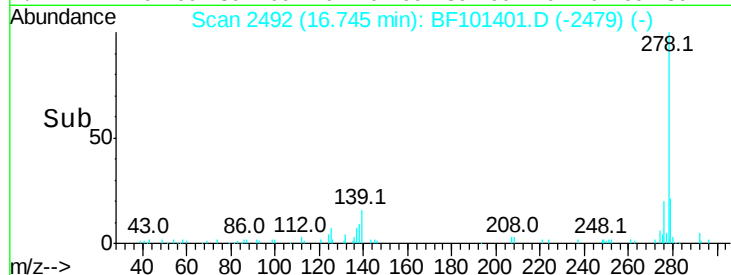
279 27.1 19.0 28.4



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(g,h,i)perylene

Concen: 11.147 ng

RT: 17.39 min Scan# 2602

Delta R.T. -0.02 min

Lab File: BF101401.D

Acq: 14 Dec 2017 18:56

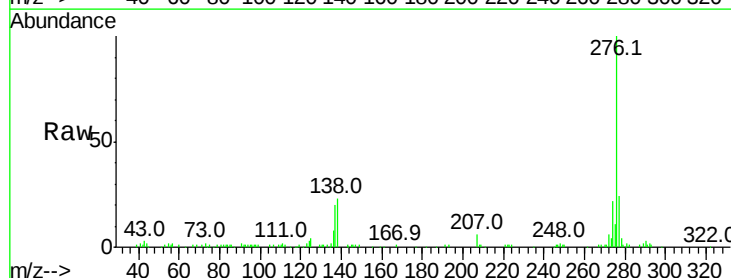
Tgt Ion:276 Resp: 168141

Ion Ratio Lower Upper

276 100

277 23.6 17.9 26.9

138 23.4 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

