

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121417\
 Data File : BF101434.D
 Acq On : 15 Dec 2017 10:11
 Operator : SJ/JU
 Sample : I6839-01DL 500X
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 15 11:02:15 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	172507	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	667573	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	296041	20.00	ng	0.00
63) Phenanthrene-d10	11.35	188	508884	20.00	ng	0.00
75) Chrysene-d12	13.99	240	334597	20.00	ng	-0.01
86) Perylene-d12	15.46	264	330435	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	0.00	112	0	0.00	ng	
7) Phenol-d6	0.00	99	0	0.00	ng	
23) Nitrobenzene-d5	0.00	82	0	0.00	ng	
41) 2,4,6-Tribromophenol	0.00	330	0	0.00	ng	
44) 2-Fluorobiphenyl	9.18	172	321	0.02	ng	0.00
78) Terphenyl-d14	12.93	244	553	0.04	ng	0.00

Target Compounds

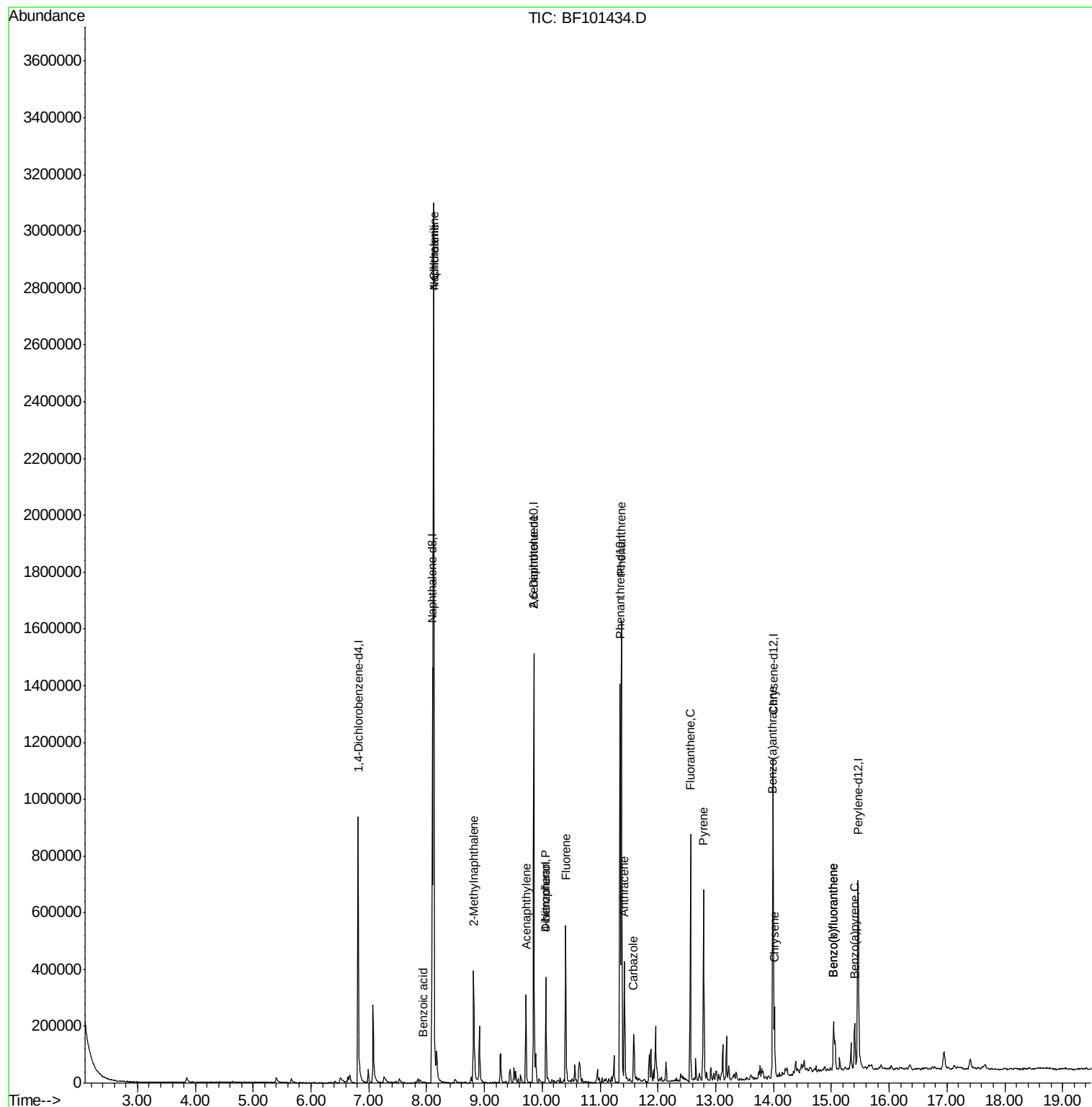
						Qvalue
31) Naphthalene	8.12	128	1517739	45.160	ng	100
32) Benzoic acid	7.94	122	2331	8.259	ng	# 18
33) 4-Chloroaniline	8.12	127	203665	13.943	ng	# 35
37) 2-Methylnaphthalene	8.82	142	162266	7.411	ng	97
48) Acenaphthylene	9.72	152	136114	4.290	ng	99
50) 2,6-Dinitrotoluene	9.85	165	39960	8.257	ng	# 26
54) Dibenzofuran	10.06	168	166136	6.858	ng	99
55) 4-Nitrophenol	10.06	139	61392	23.334	ng	# 10
57) Fluorene	10.40	166	172890	8.436	ng	99
70) Phenanthrene	11.37	178	618481	21.855	ng	99
71) Anthracene	11.42	178	186074	6.437	ng	97
72) Carbazole	11.59	167	77442	2.861	ng	98
74) Fluoranthene	12.56	202	367423	12.369	ng	97
77) Pyrene	12.79	202	276146	10.997	ng	98
80) Benzo(a)anthracene	13.98	228	113559	5.140	ng	99
82) Chrysene	14.02	228	95544	4.580	ng	97
87) Benzo(b)fluoranthene	15.04	252	128190	6.365	ng	97
88) Benzo(k)fluoranthene	15.04	252	128190	6.546	ng	100
89) Benzo(a)pyrene	15.40	252	78068	4.205	ng	98

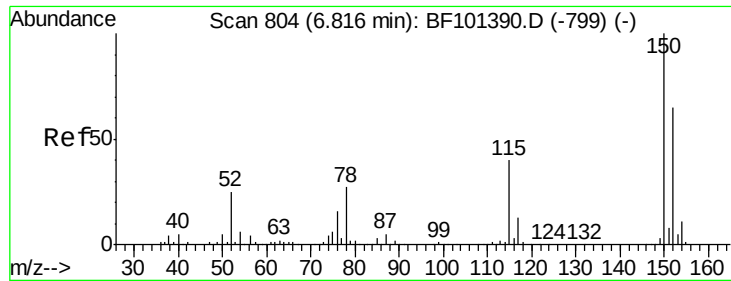
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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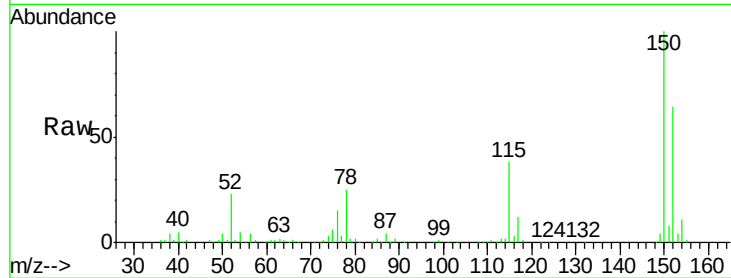


#1

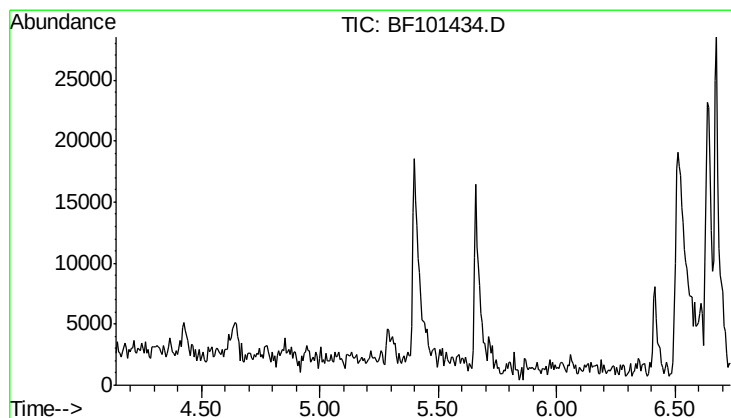
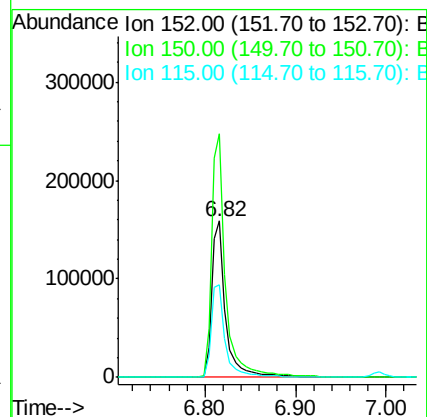
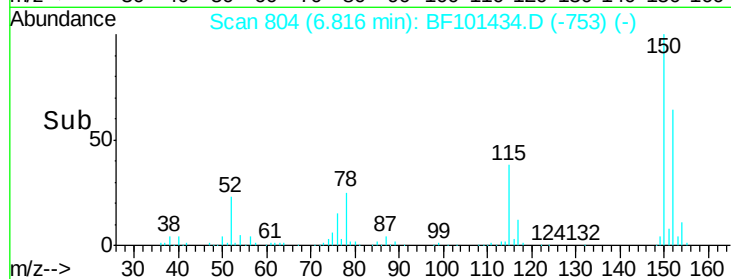
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 804
Delta R.T. -0.00 min
Lab File: BF101434.D
Acq: 15 Dec 2017 10:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 172507
Ion Ratio Lower Upper
152 100
150 156.1 124.6 186.8
115 59.6 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

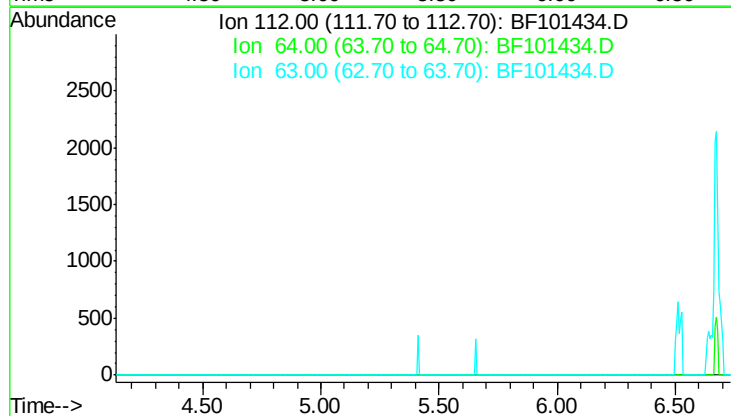


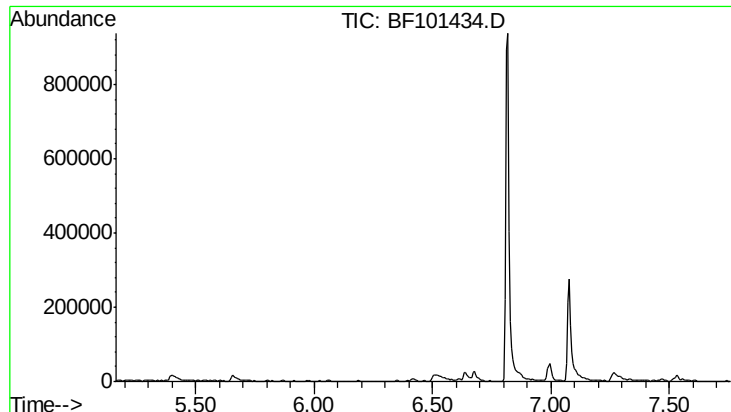
#5

2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.43 min

Lab File: BF101434.D
Acq: 15 Dec 2017 10:11

Tgt Ion: 112
Sig Exp Ratio
112 100
64 59.9
63 29.6





#7

Phenol-d6

Concen: 0.000 ng

Expected RT: 6.46 min

Lab File: BF101434.D

Acq: 15 Dec 2017 10:11

Instrument :

BNA_F

ClientSampleId :

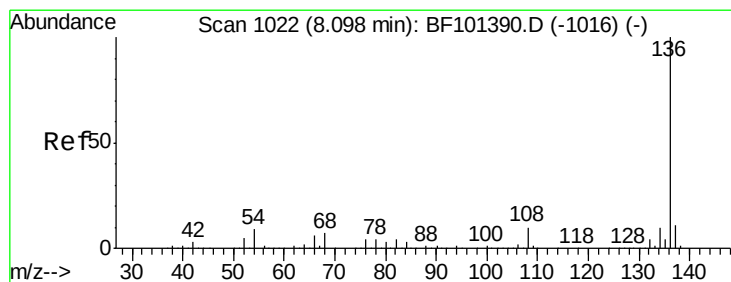
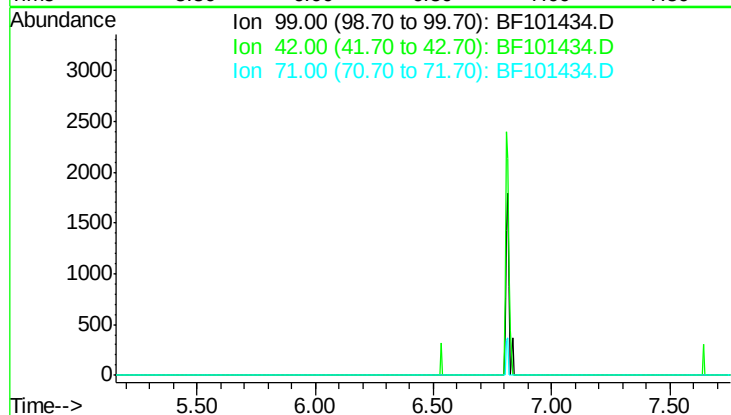
Tot Ion: 99

Sig Exp Ratio

99 100

42 18.1

71 31.7



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.10 min Scan# 1022

Delta R.T. -0.00 min

Lab File: BF101434.D

Acq: 15 Dec 2017 10:11

Tgt Ion: 136 Resp: 667573

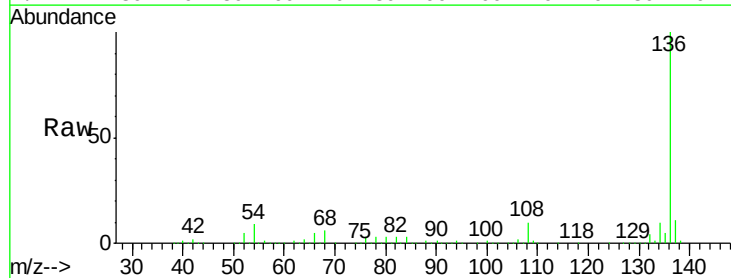
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 8.8 6.6 9.8

68 6.4 5.0 7.4

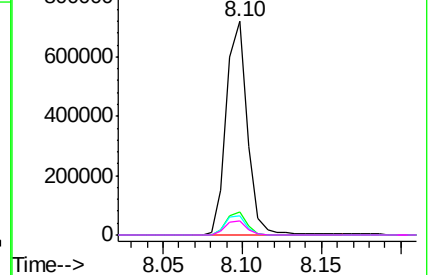
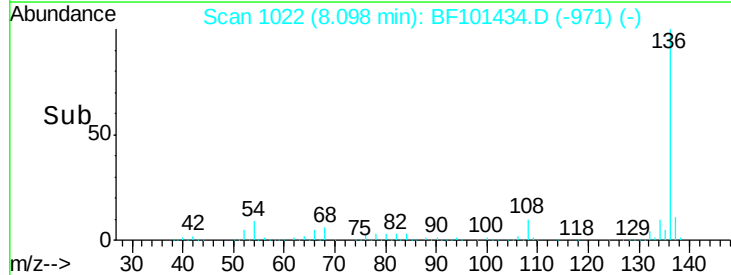


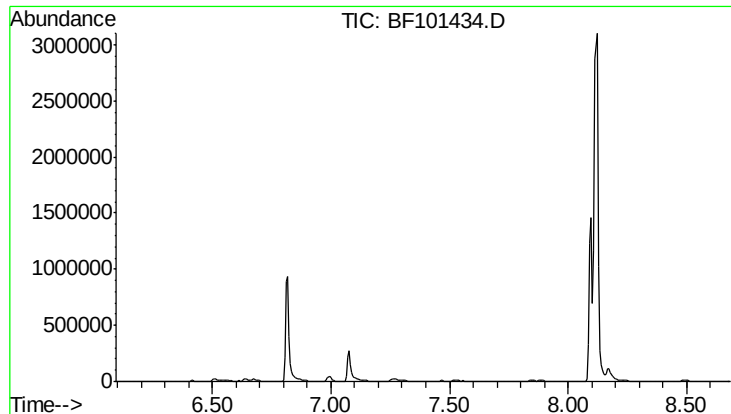
Abundance Ion 136.00 (135.70 to 136.70): E

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

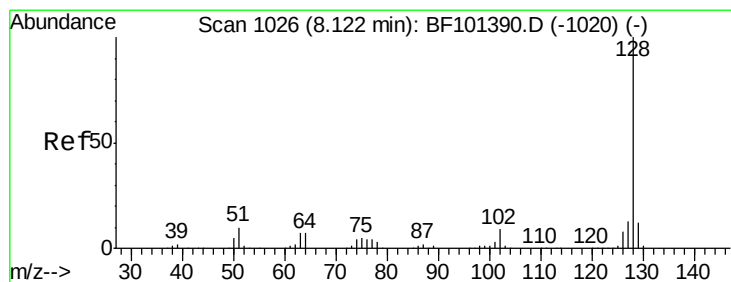
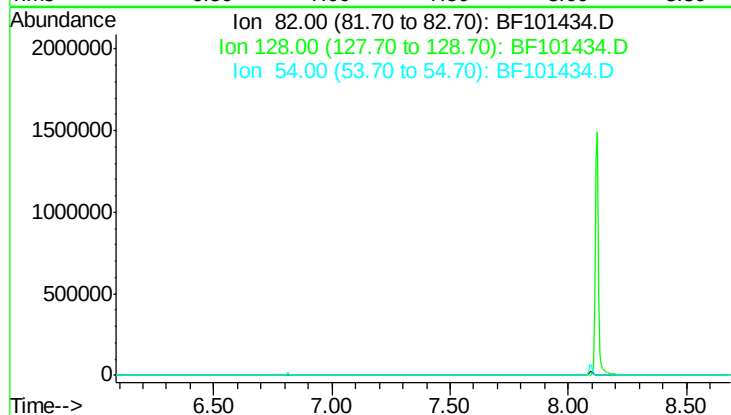




#23
 Nitrobenzene-d5
 Concen: 0.000 ng
 Expected RT: 7.39 min
 Lab File: BF101434.D
 Acq: 15 Dec 2017 10:11

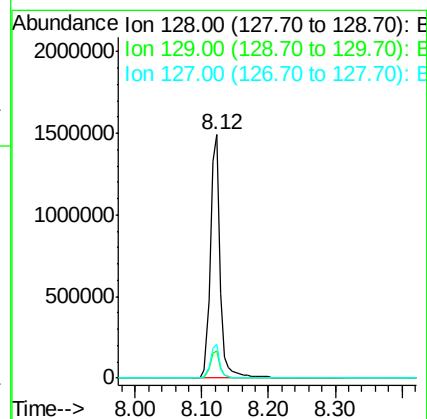
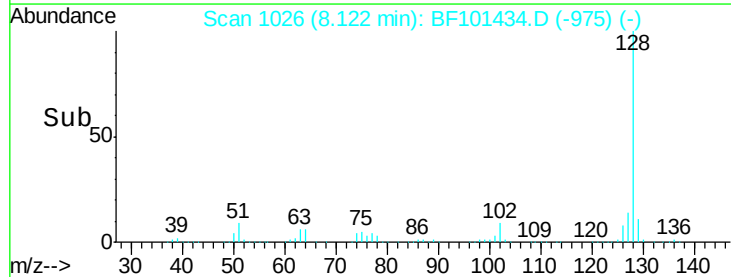
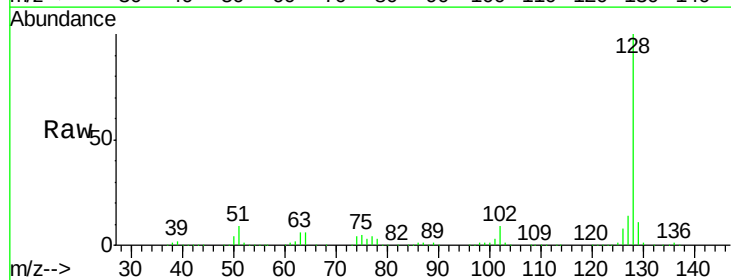
Instrument :
 BNA_F
 ClientSampleId :

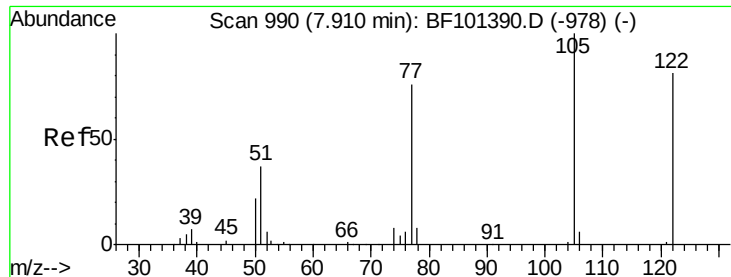
Tot Ion: 82
 Sig Exp Ratio
 82 100
 128 45.1
 54 51.8



#31
 Naphthalene
 Concen: 45.160 ng
 RT: 8.12 min Scan# 1026
 Delta R.T. -0.00 min
 Lab File: BF101434.D
 Acq: 15 Dec 2017 10:11

Tgt Ion:128 Resp: 1517739
 Ion Ratio Lower Upper
 128 100
 129 11.1 8.8 13.2
 127 13.7 10.9 16.3





#32

Benzoic acid

Concen: 8.259 ng

RT: 7.94 min Scan# 995

Delta R.T. 0.03 min

Lab File: BF101434.D

Acq: 15 Dec 2017 10:11

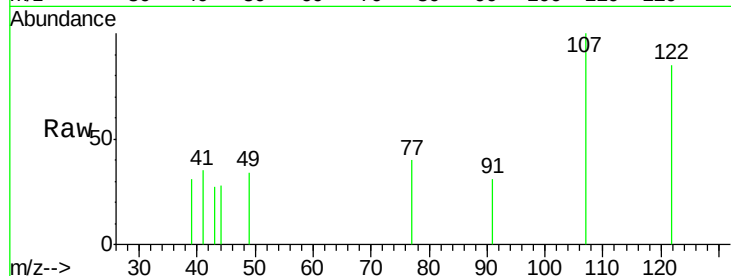
Instrument :

BNA_F

ClientSampleId :

Tot Ion:122 Resp: 2331

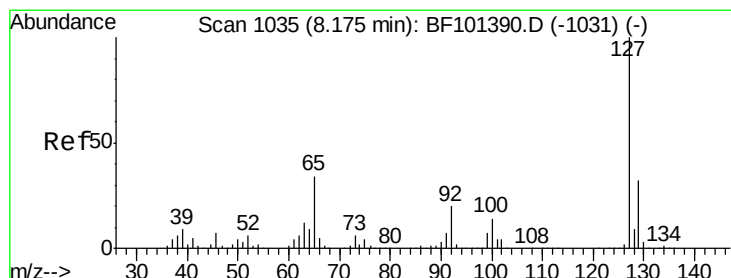
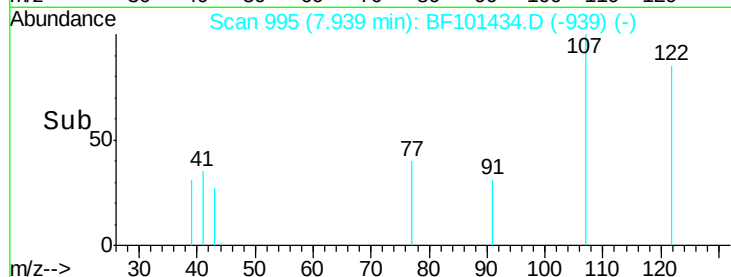
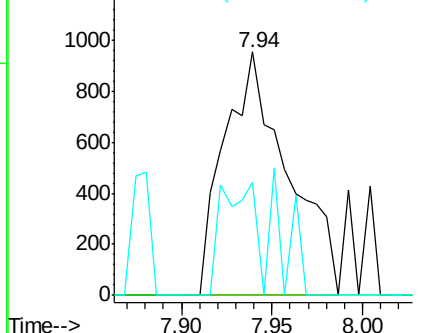
Ion	Ratio	Lower	Upper
122	100		
105	0.0	101.1	141.1#
77	46.6	70.7	110.7#



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: 13.943 ng

RT: 8.12 min Scan# 1026

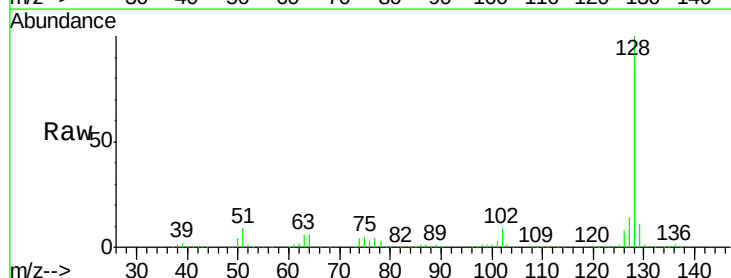
Delta R.T. -0.05 min

Lab File: BF101434.D

Acq: 15 Dec 2017 10:11

Tgt Ion:127 Resp: 203665

Ion	Ratio	Lower	Upper
127	100		
129	81.1	25.9	38.9#
65	0.0	25.0	37.4#
92	0.0	15.2	22.8#

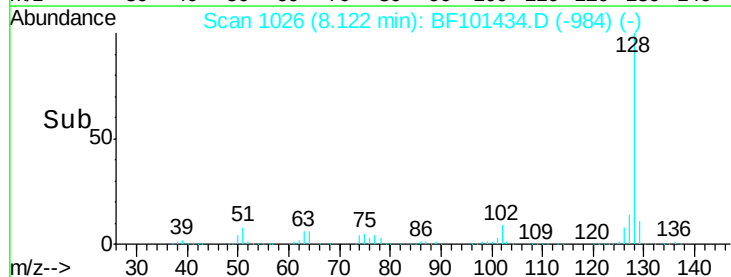
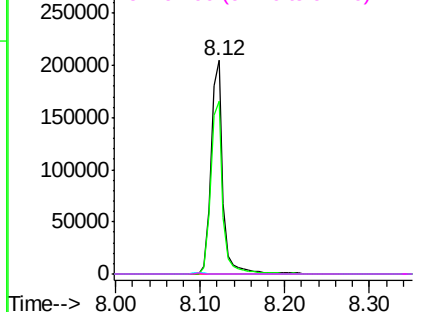


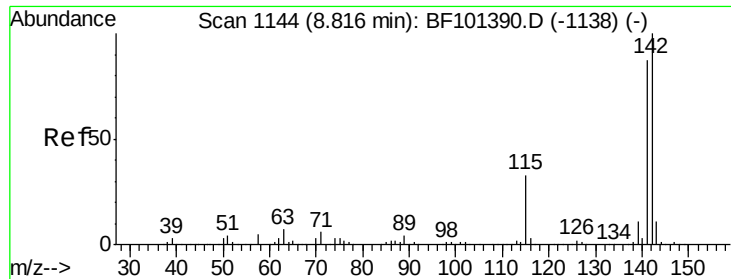
Abundance Ion 127.00 (126.70 to 127.70): E

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

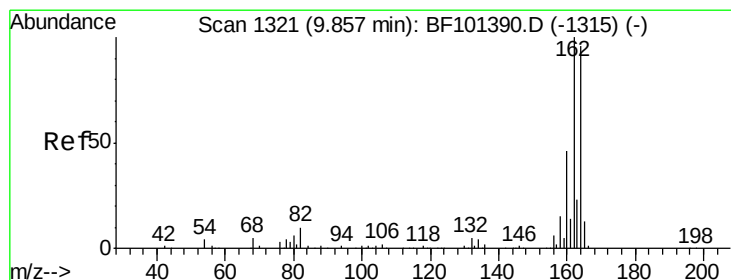
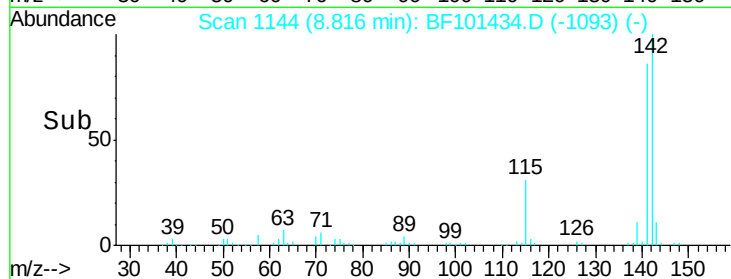
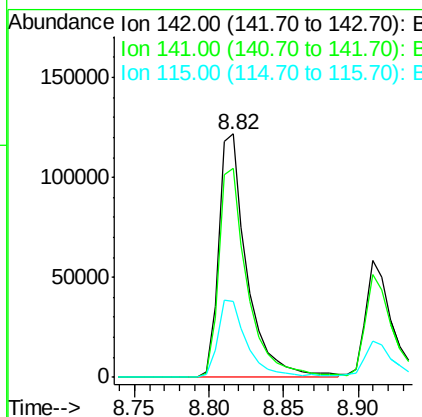
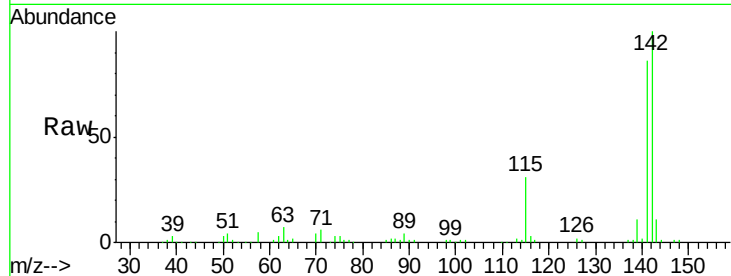




#37
2-Methylnaphthalene
Concen: 7.411 ng
RT: 8.82 min Scan# 1144
Delta R.T. -0.00 min
Lab File: BF101434.D
Acq: 15 Dec 2017 10:11

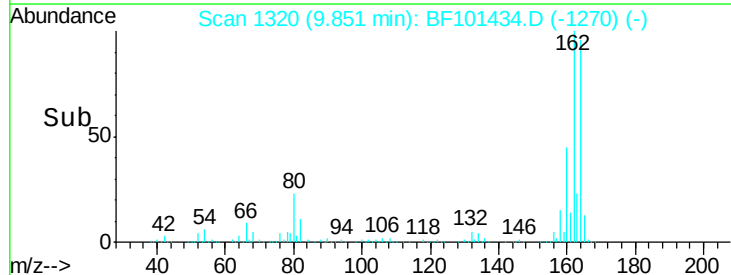
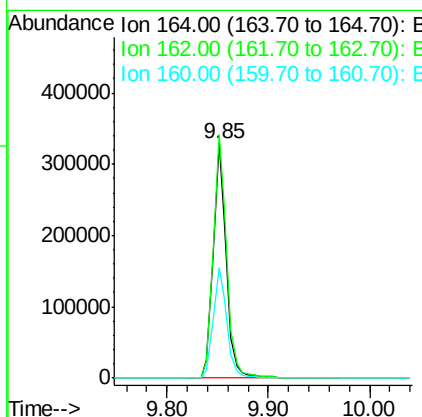
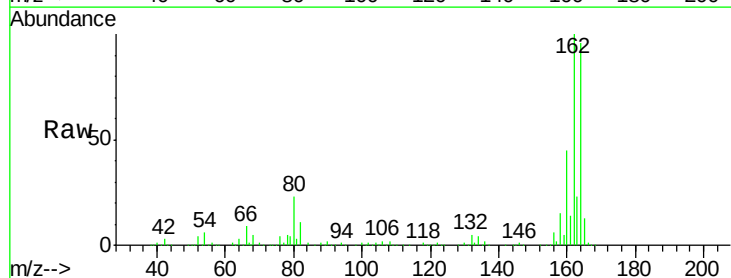
Instrument :
BNA_F
ClientSampleId :

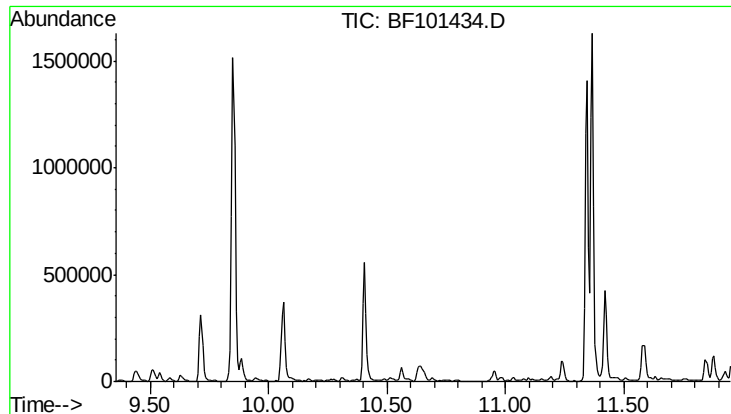
Tot Ion:142 Resp: 162266
Ion Ratio Lower Upper
142 100
141 86.0 70.8 106.2
115 31.3 26.1 39.1



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BF101434.D
Acq: 15 Dec 2017 10:11

Tgt Ion:164 Resp: 296041
Ion Ratio Lower Upper
164 100
162 104.0 86.1 129.1
160 47.2 38.3 57.5

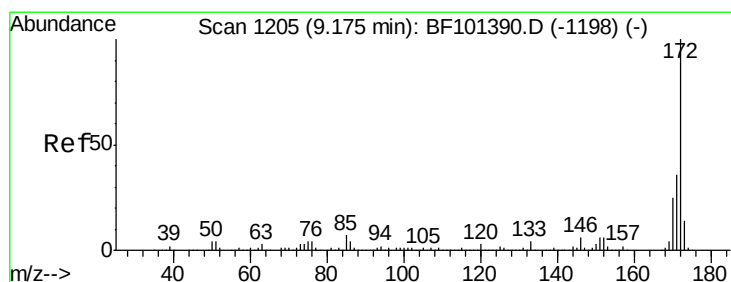
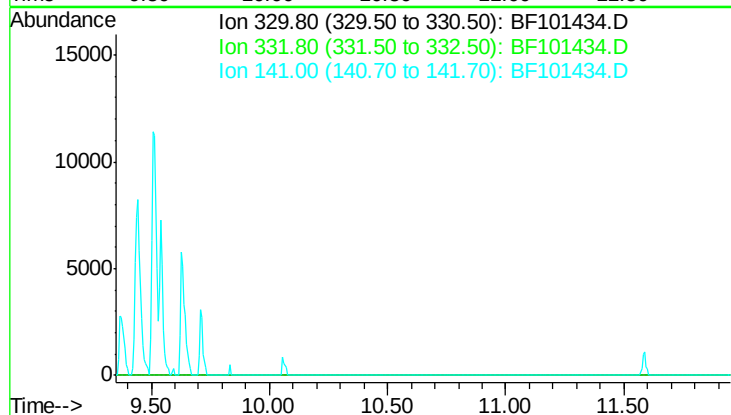




#41
 2,4,6-Tribromophenol
 Concen: 0.000 ng
 Expected RT: 10.65 min
 Lab File: BF101434.D
 Acq: 15 Dec 2017 10:11

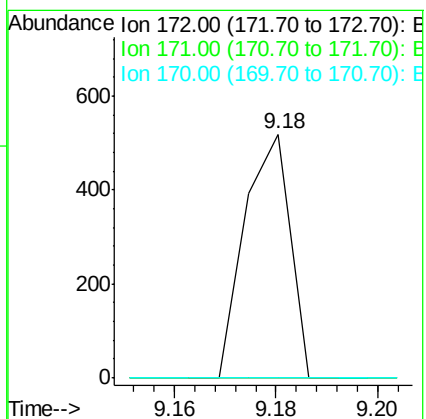
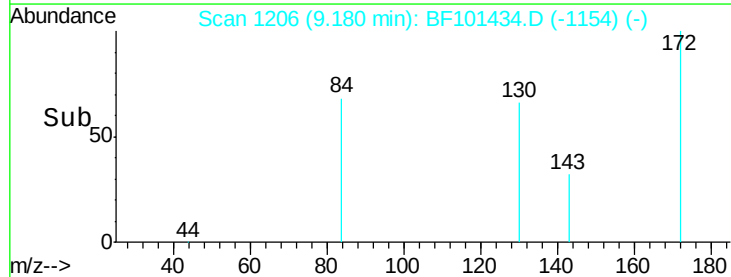
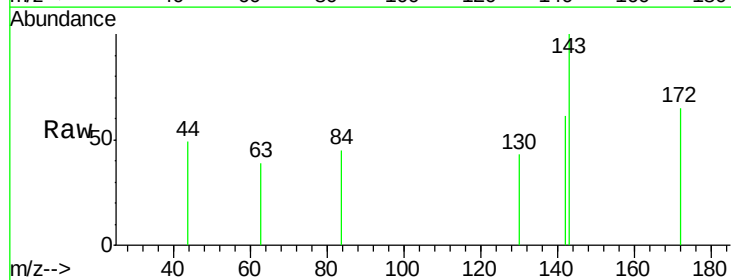
Instrument :
 BNA_F
 ClientSampleId :

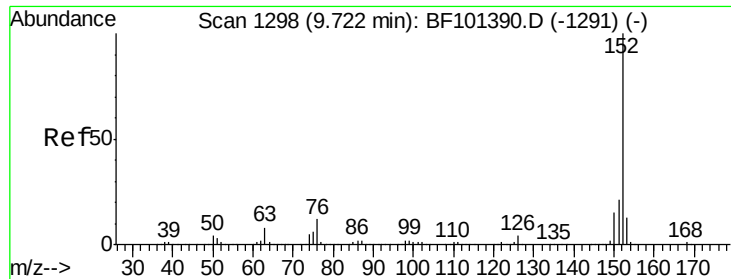
Tot Ion: 330
 Sig Exp Ratio
 330 100
 332 96.3
 141 37.4



#44
 2-Fluorobiphenyl
 Concen: 0.017 ng
 RT: 9.18 min Scan# 1206
 Delta R.T. 0.01 min
 Lab File: BF101434.D
 Acq: 15 Dec 2017 10:11

Tgt Ion: 172 Resp: 321
 Ion Ratio Lower Upper
 172 100
 171 0.0 29.7 44.5#
 170 0.0 19.6 29.4#

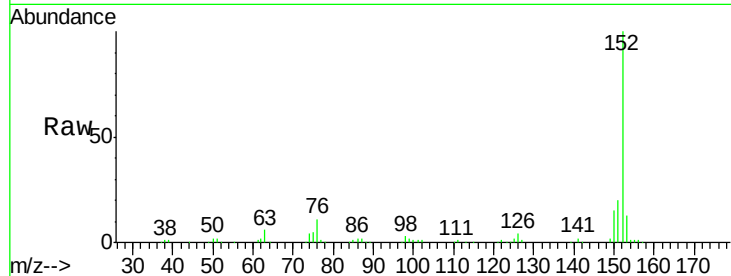




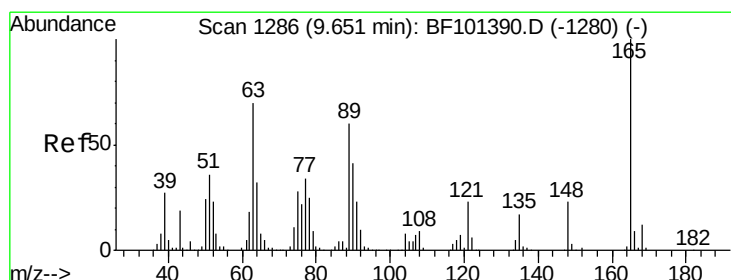
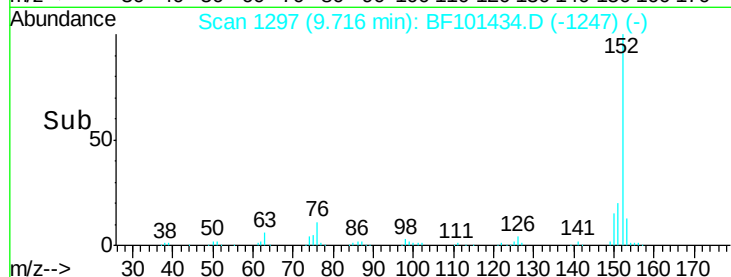
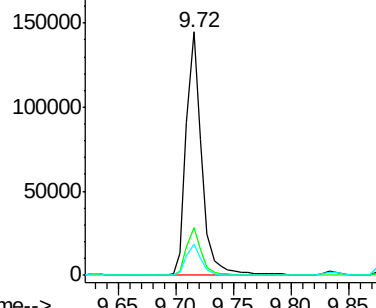
#48
Acenaphthylene
Concen: 4.290 ng
RT: 9.72 min Scan# 1297
Delta R.T. -0.01 min
Lab File: BF101434.D
Acq: 15 Dec 2017 10:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.7	16.3	24.5
153	13.0	10.7	16.1

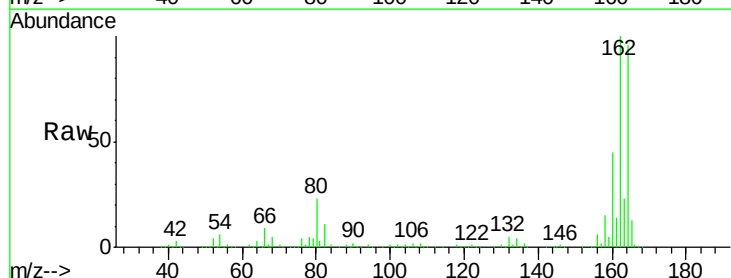


Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E

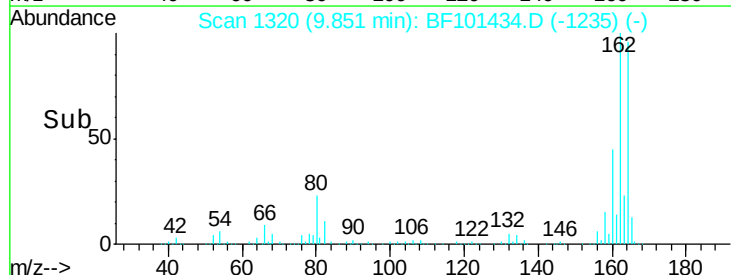
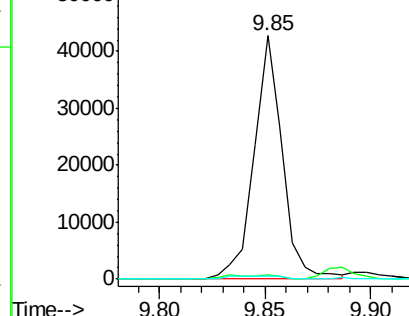


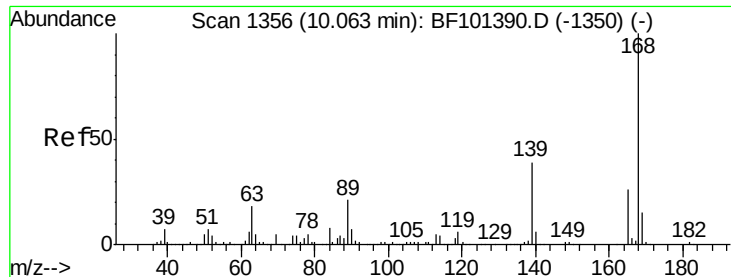
#50
2,6-Dinitrotoluene
Concen: 8.257 ng
RT: 9.85 min Scan# 1320
Delta R.T. 0.20 min
Lab File: BF101434.D
Acq: 15 Dec 2017 10:11

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.7	44.7	67.1#
89	1.3	44.0	66.0#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1

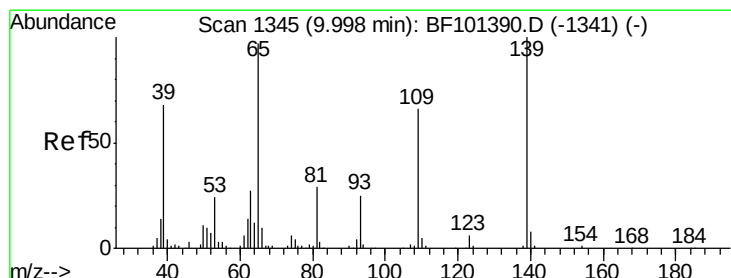
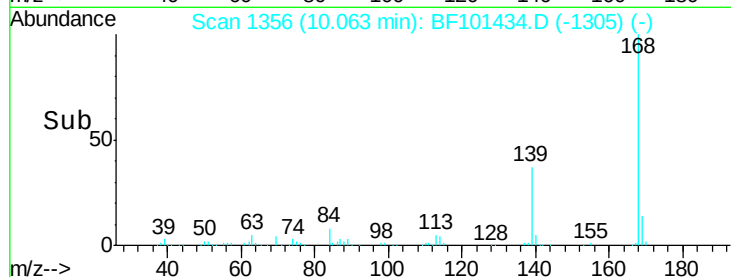
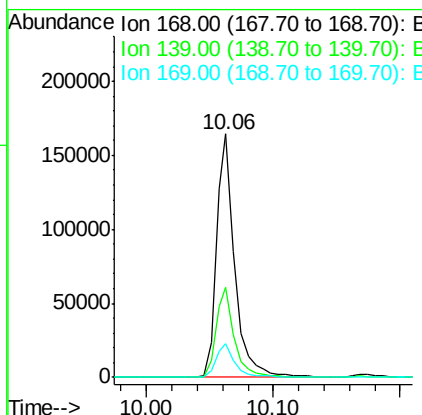
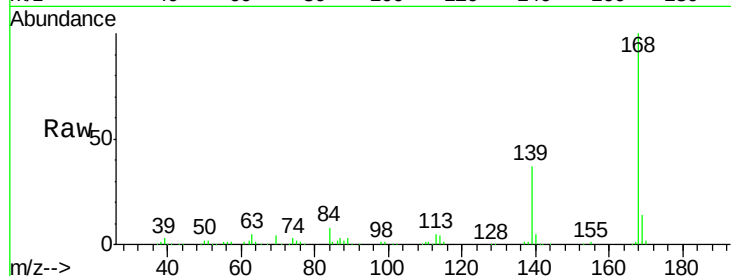




#54
Dibenzenofuran
Concen: 6.858 ng
RT: 10.06 min Scan# 1356
Delta R.T. -0.00 min
Lab File: BF101434.D
Acq: 15 Dec 2017 10:11

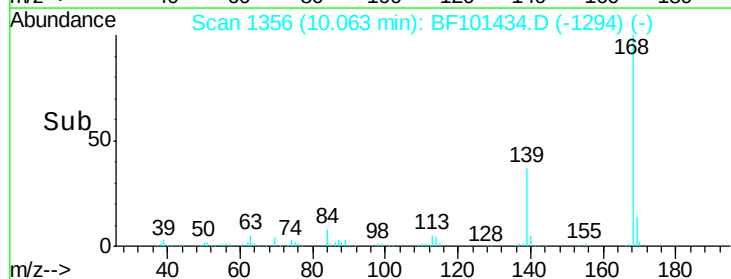
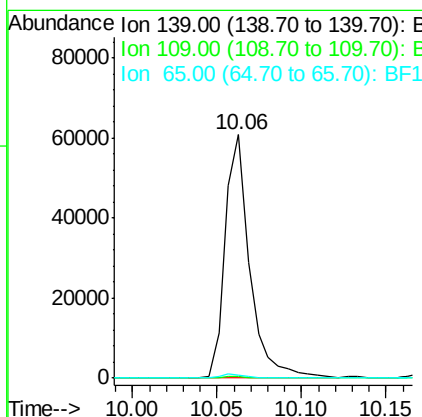
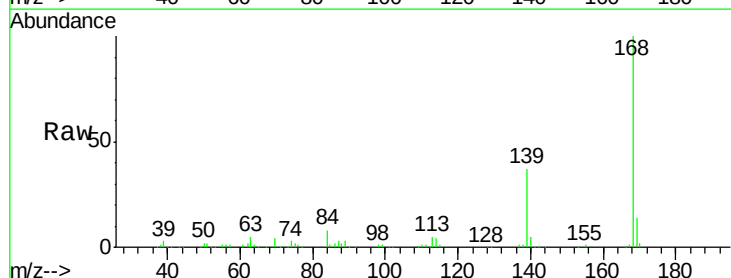
Instrument :
BNA_F
ClientSampleId :

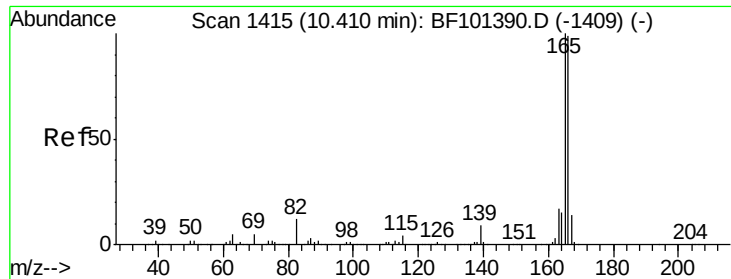
Tot Ion:168 Resp: 166136
Ion Ratio Lower Upper
168 100
139 37.0 30.1 45.1
169 13.6 10.9 16.3



#55
4-Nitrophenol
Concen: 23.334 ng
RT: 10.06 min Scan# 1356
Delta R.T. 0.06 min
Lab File: BF101434.D
Acq: 15 Dec 2017 10:11

Tgt Ion:139 Resp: 61392
Ion Ratio Lower Upper
139 100
109 1.0 48.4 88.4#
65 1.3 72.6 112.6#

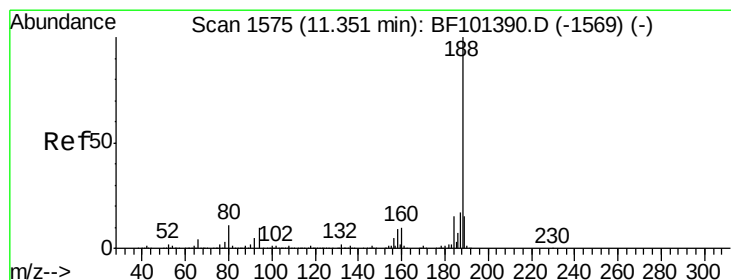
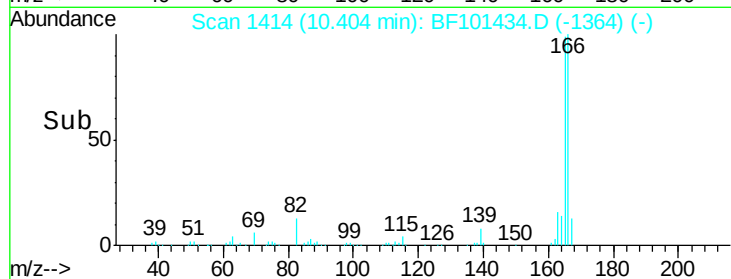
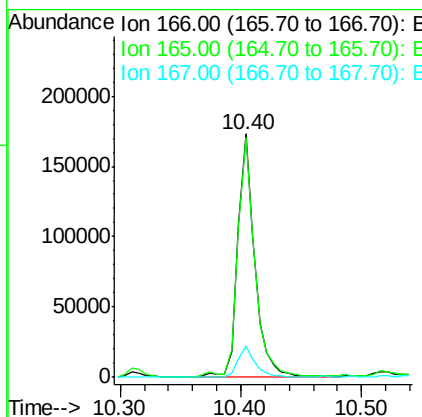
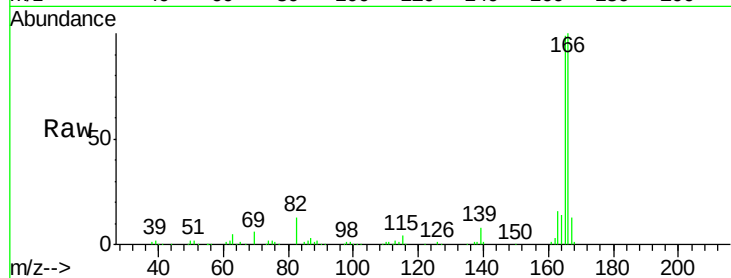




#57
Fluorene
 Concen: 8.436 ng
 RT: 10.40 min Scan# 1414
 Delta R.T. -0.01 min
 Lab File: BF101434.D
 Acq: 15 Dec 2017 10:11

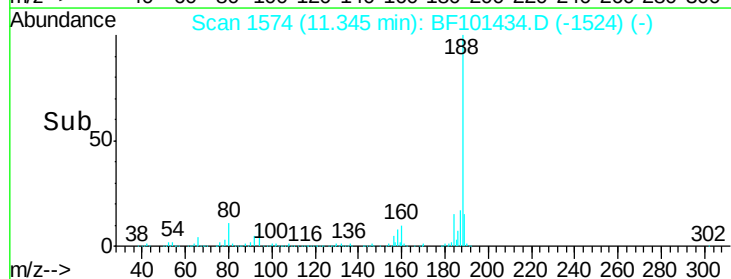
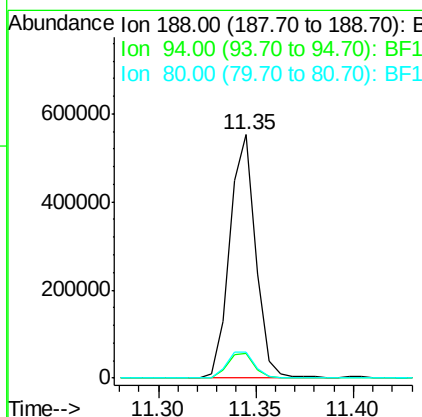
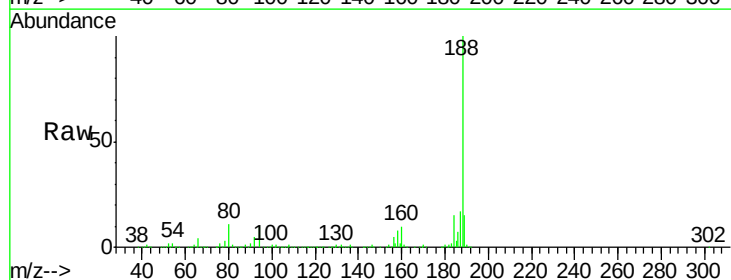
Instrument :
 BNA_F
 ClientSampleId :

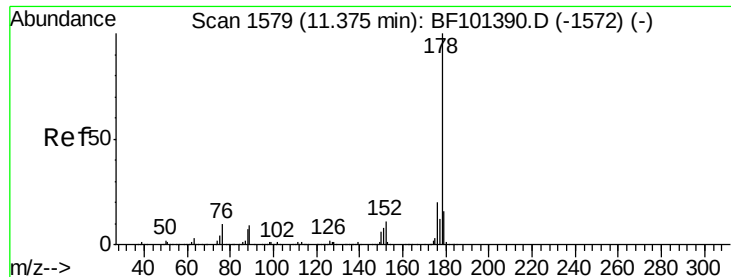
Tot Ion	166	Resp	172890
Ion	Ratio	Lower	Upper
166	100		
165	98.7	79.8	119.8
167	12.8	10.6	16.0



#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.35 min Scan# 1574
 Delta R.T. -0.01 min
 Lab File: BF101434.D
 Acq: 15 Dec 2017 10:11

Tgt Ion	188	Resp	508884
Ion	Ratio	Lower	Upper
188	100		
94	10.2	8.5	12.7
80	10.8	9.2	13.8

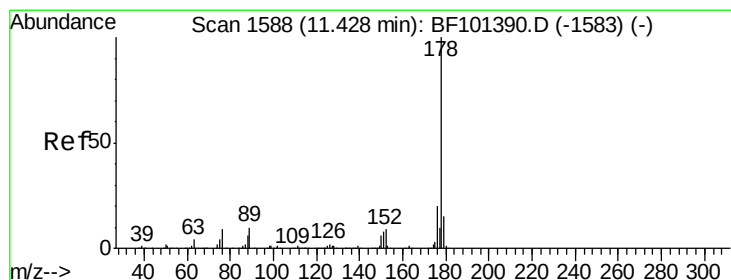
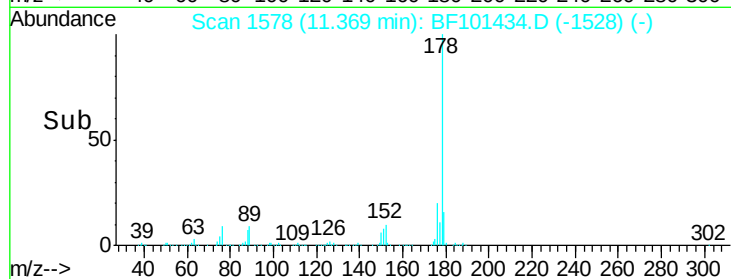
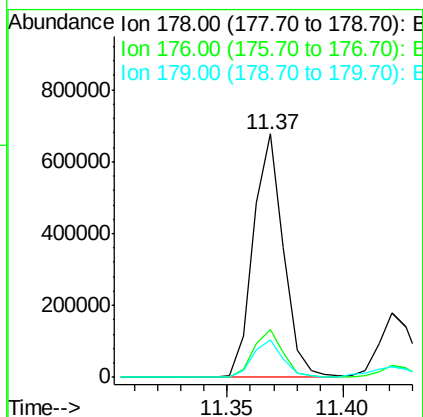
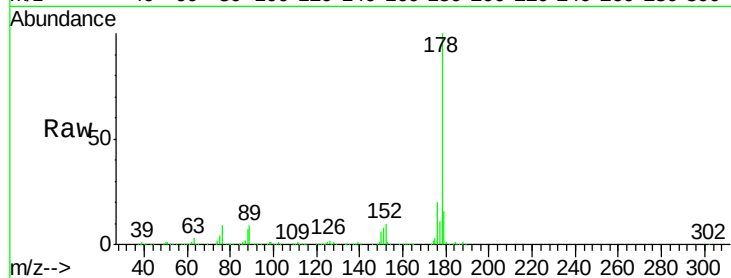




#70
Phenanthrene
Concen: 21.855 ng
RT: 11.37 min Scan# 1578
Delta R.T. -0.01 min
Lab File: BF101434.D
Acq: 15 Dec 2017 10:11

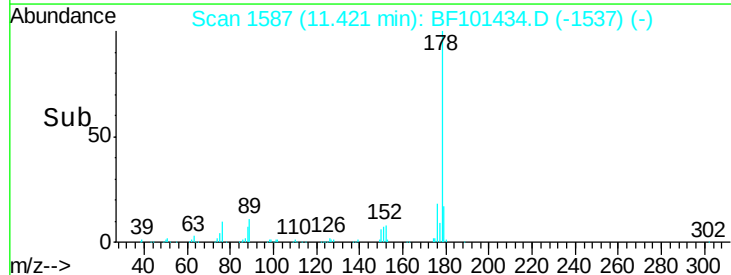
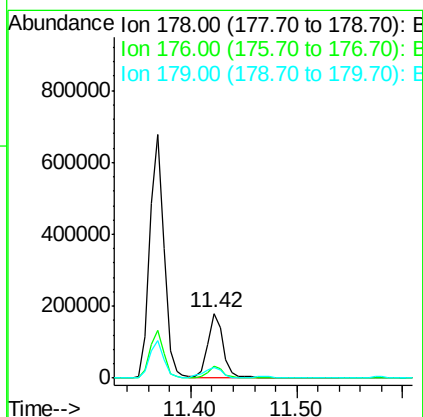
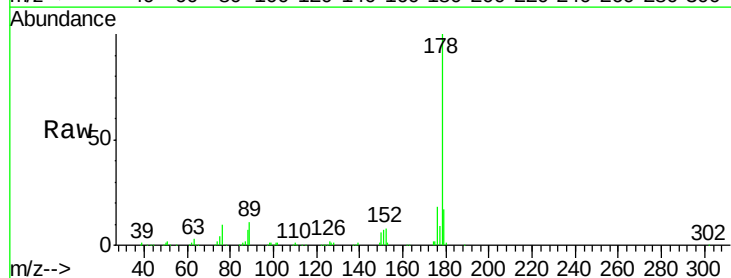
Instrument :
BNA_F
ClientSampleId :

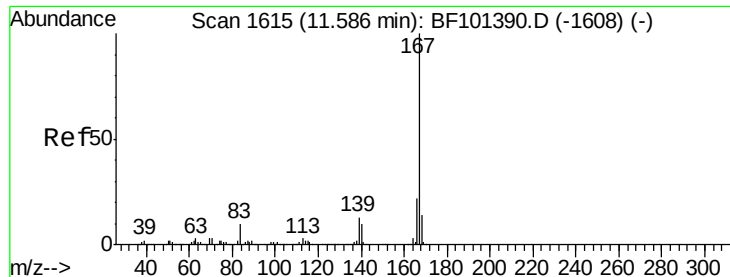
Tot Ion:178 Resp: 618481
Ion Ratio Lower Upper
178 100
176 19.8 15.8 23.8
179 15.6 13.0 19.6



#71
Anthracene
Concen: 6.437 ng
RT: 11.42 min Scan# 1587
Delta R.T. -0.01 min
Lab File: BF101434.D
Acq: 15 Dec 2017 10:11

Tgt Ion:178 Resp: 186074
Ion Ratio Lower Upper
178 100
176 18.0 15.4 23.2
179 17.3 12.6 19.0





#72

Carbazole

Concen: 2.861 ng

RT: 11.59 min Scan# 1615

Delta R.T. -0.00 min

Lab File: BF101434.D

Acq: 15 Dec 2017 10:11

Instrument :

BNA_F

ClientSampleId :

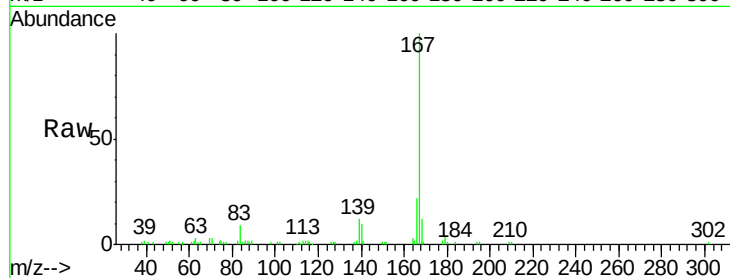
Tot Ion:167 Resp: 77442

Ion Ratio Lower Upper

167 100

166 21.8 17.6 26.4

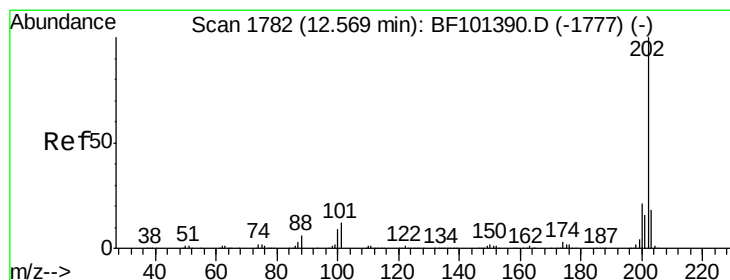
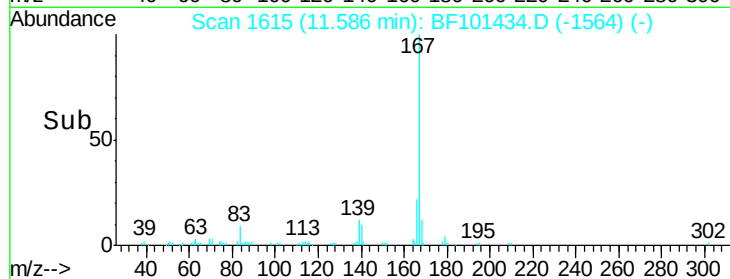
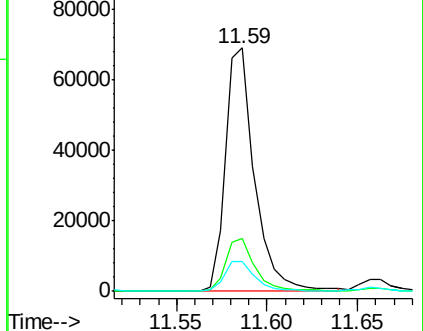
139 12.1 10.9 16.3



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



#74

Fluoranthene

Concen: 12.369 ng

RT: 12.56 min Scan# 1781

Delta R.T. -0.01 min

Lab File: BF101434.D

Acq: 15 Dec 2017 10:11

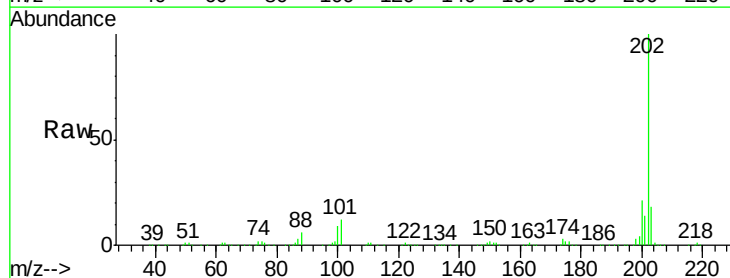
Tgt Ion:202 Resp: 367423

Ion Ratio Lower Upper

202 100

101 11.5 0.0 34.1

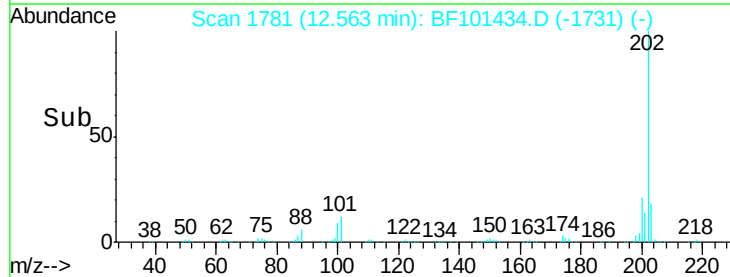
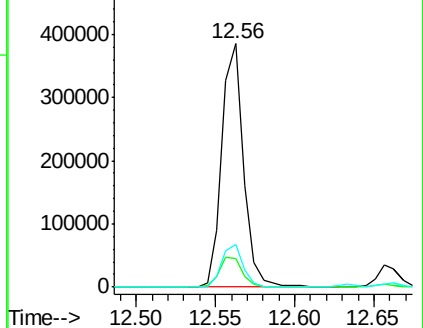
203 17.7 0.0 38.1

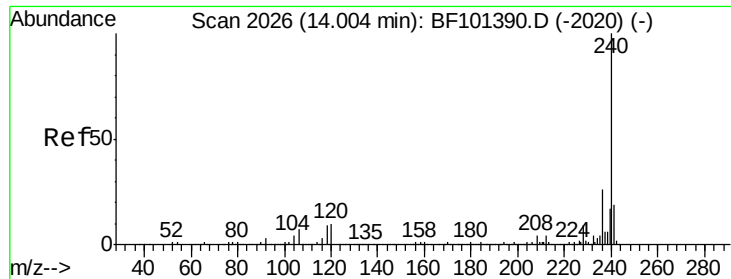


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BF101434.D

Acq: 15 Dec 2017 10:11

Instrument :

BNA_F

ClientSampled :

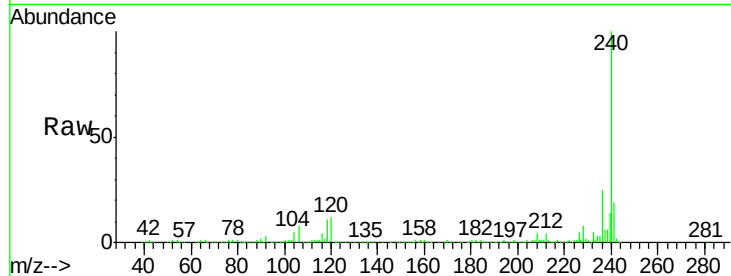
Tot Ion:240 Resp: 334597

Ion Ratio Lower Upper

240 100

120 12.3 9.5 14.3

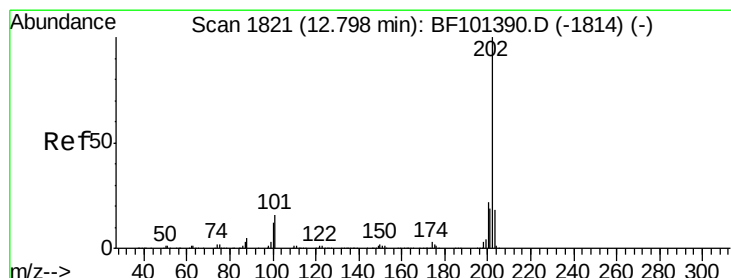
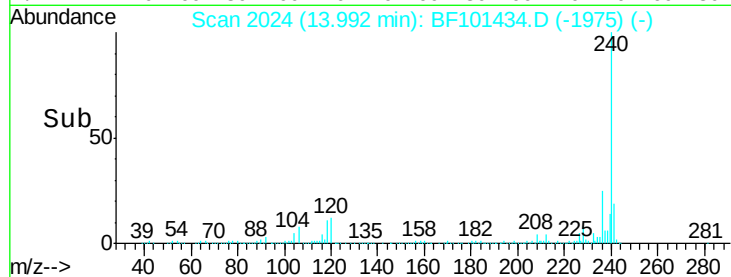
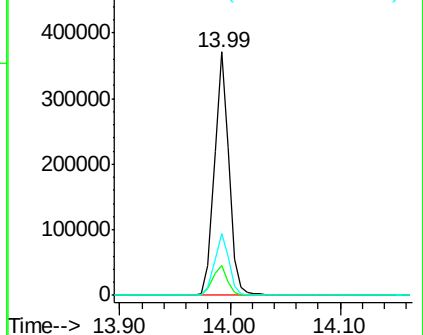
236 25.2 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 10.997 ng

RT: 12.79 min Scan# 1820

Delta R.T. -0.01 min

Lab File: BF101434.D

Acq: 15 Dec 2017 10:11

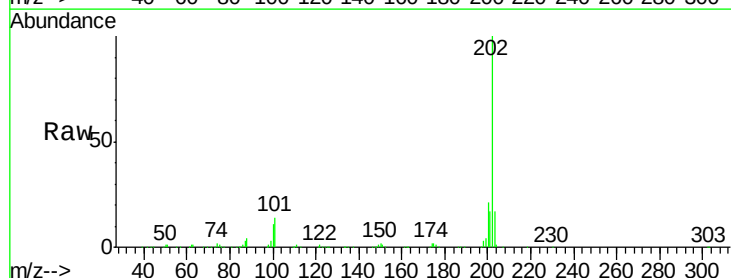
Tgt Ion:202 Resp: 276146

Ion Ratio Lower Upper

202 100

200 20.6 17.4 26.2

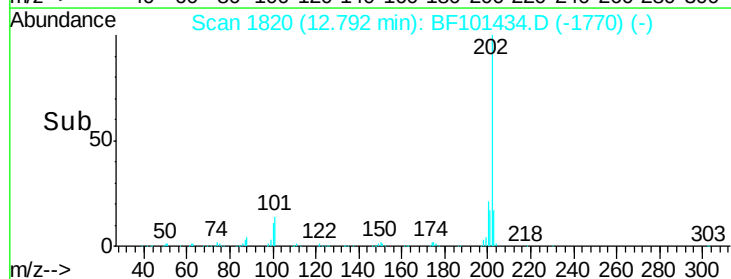
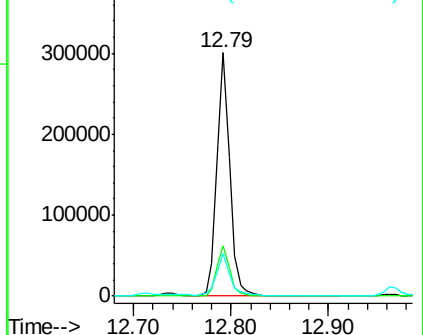
203 17.3 14.3 21.5

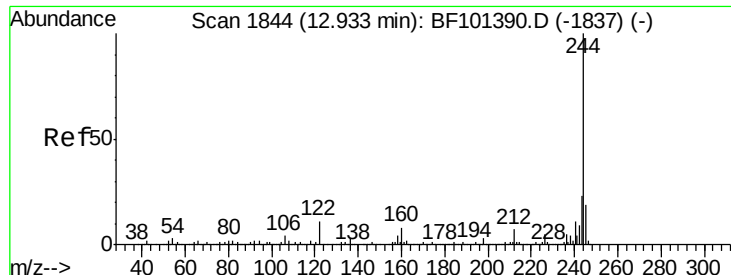


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 0.040 ng

RT: 12.93 min Scan# 1844

Delta R.T. -0.00 min

Lab File: BF101434.D

Acq: 15 Dec 2017 10:11

Instrument :

BNA_F

ClientSampled :

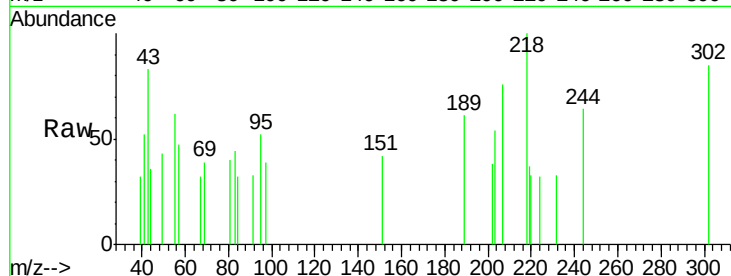
Tot Ion:244 Resp: 553

Ion Ratio Lower Upper

244 100

212 0.0 5.4 8.0#

122 0.0 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

12.93

600

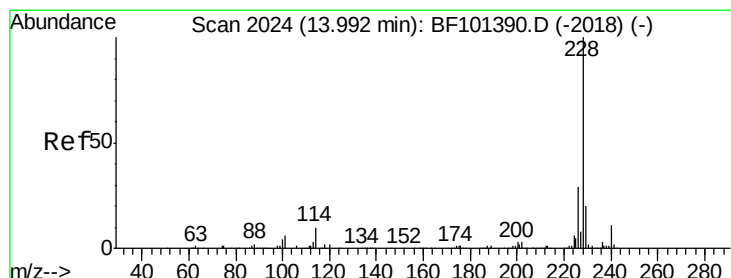
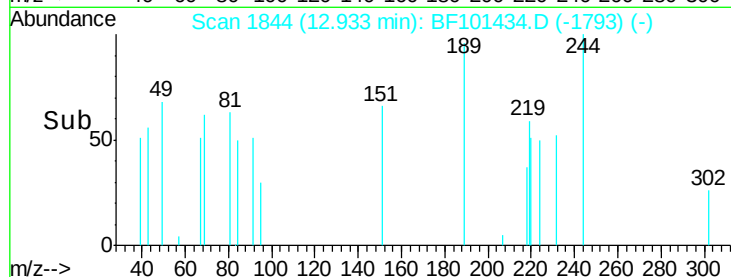
400

200

0

12.90 12.92 12.94

Time-->



#80

Benzo(a)anthracene

Concen: 5.140 ng

RT: 13.98 min Scan# 2022

Delta R.T. -0.01 min

Lab File: BF101434.D

Acq: 15 Dec 2017 10:11

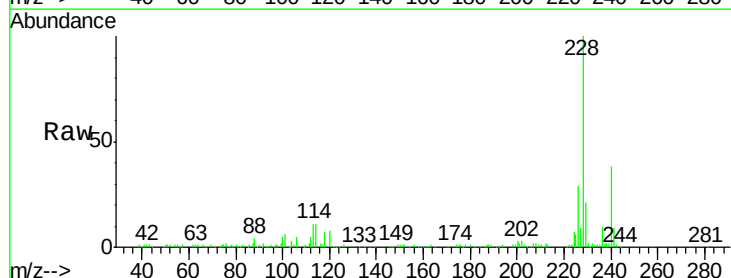
Tgt Ion:228 Resp: 113559

Ion Ratio Lower Upper

228 100

226 28.5 22.6 33.8

229 20.8 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

13.98

150000

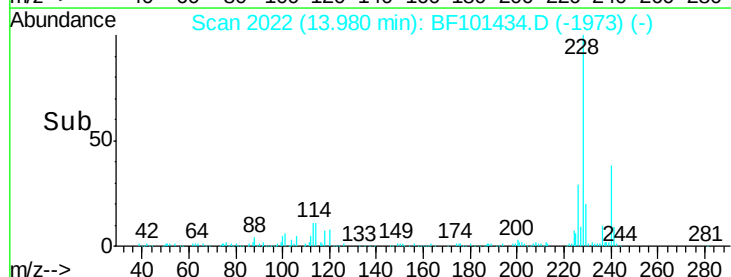
100000

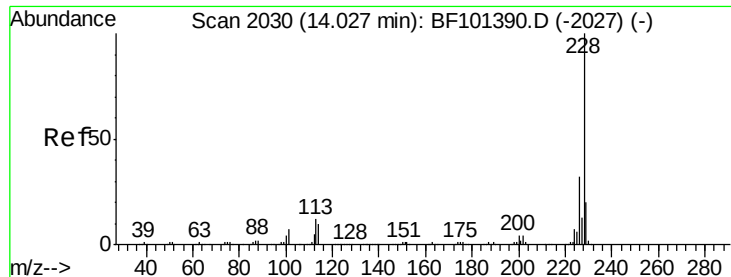
50000

0

13.95 14.00

Time-->

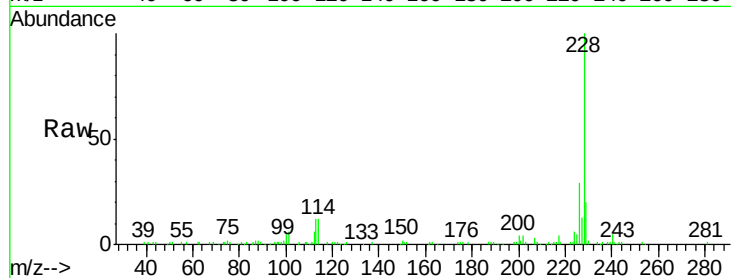




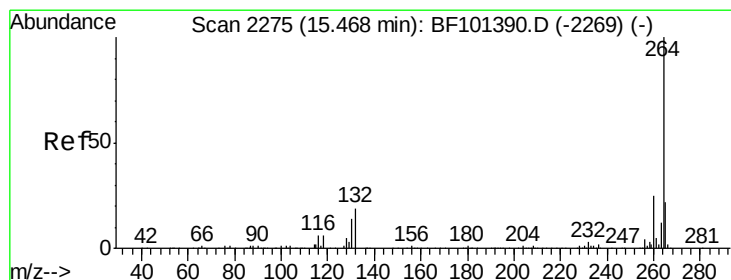
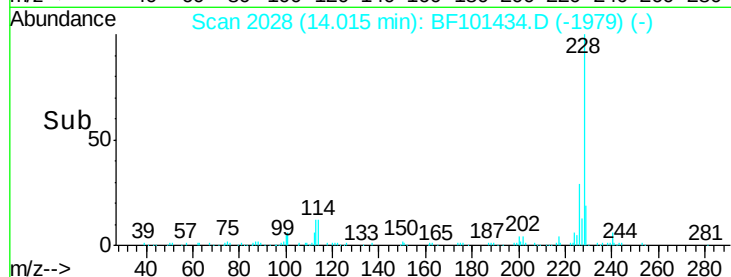
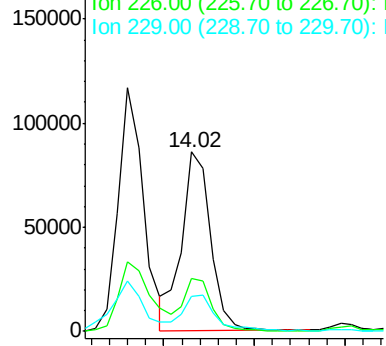
#82
Chrysene
Concen: 4.580 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.01 min
Lab File: BF101434.D
Acq: 15 Dec 2017 10:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion:228 Resp: 95544
Ion Ratio Lower Upper
228 100
226 29.2 25.0 37.6
229 19.6 16.2 24.4

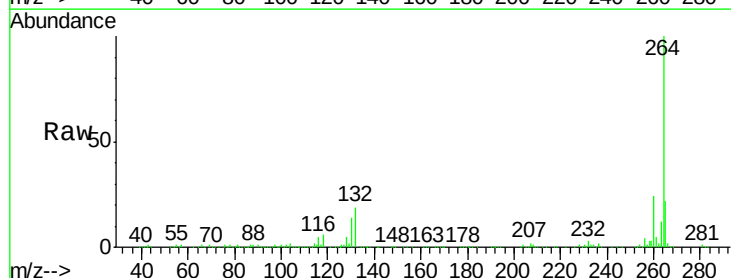


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

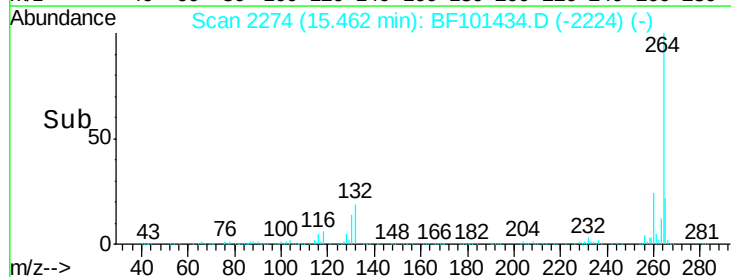
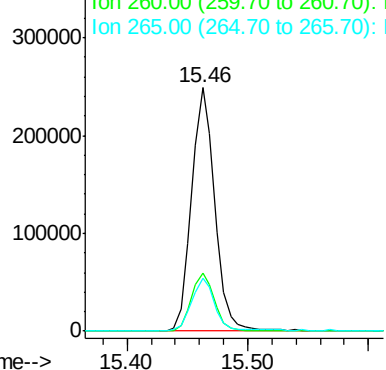


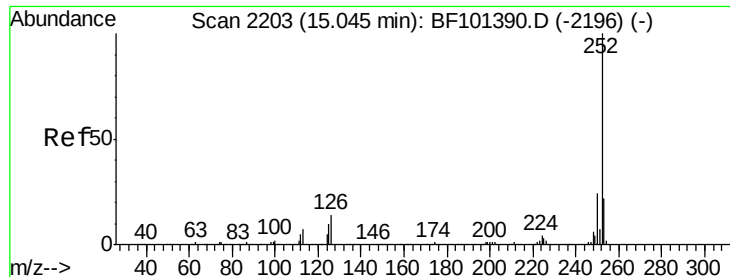
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2274
Delta R.T. -0.01 min
Lab File: BF101434.D
Acq: 15 Dec 2017 10:11

Tgt Ion:264 Resp: 330435
Ion Ratio Lower Upper
264 100
260 23.9 19.2 28.8
265 21.8 17.5 26.3



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

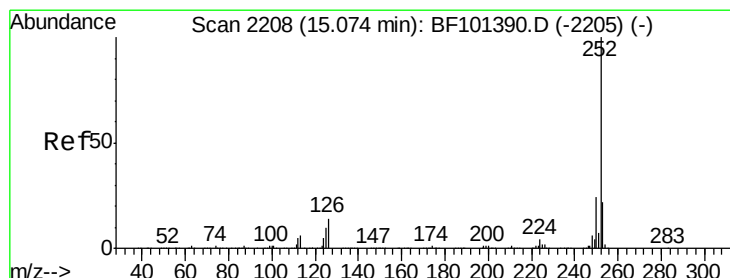
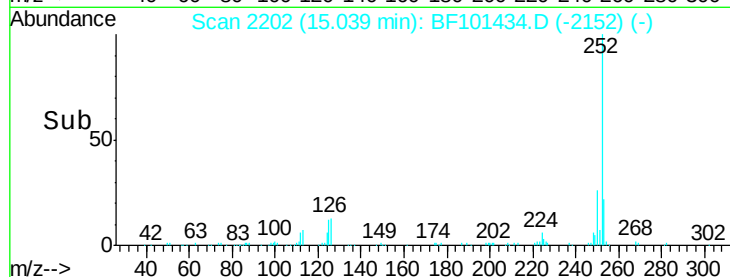
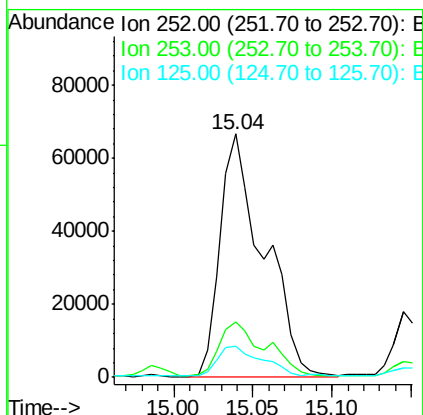
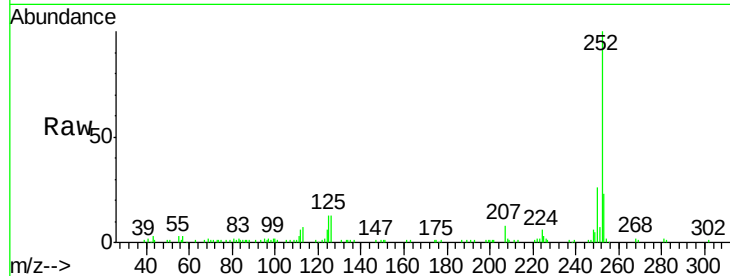




#87
Benzo(b)fluoranthene
Concen: 6.365 ng
RT: 15.04 min Scan# 2202
Delta R.T. -0.01 min
Lab File: BF101434.D
Acq: 15 Dec 2017 10:11

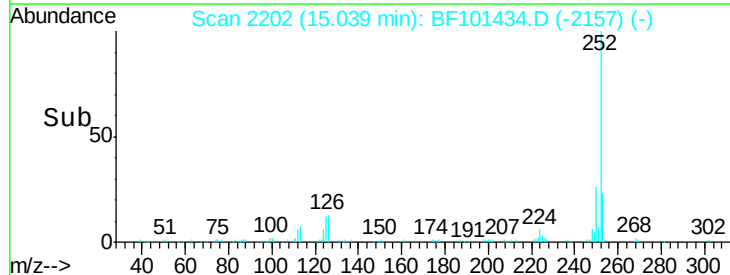
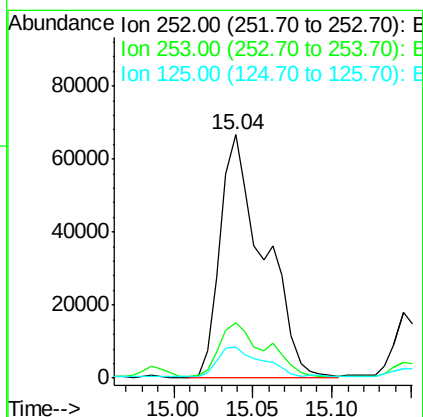
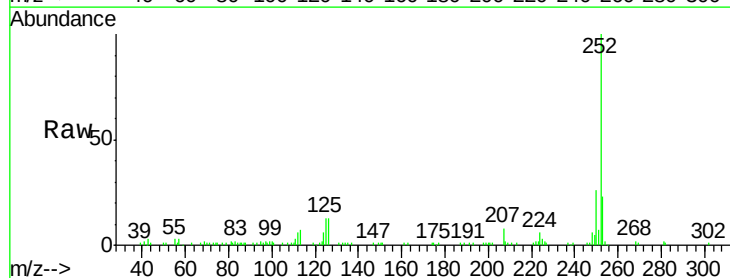
Instrument :
BNA_F
ClientSampleId :

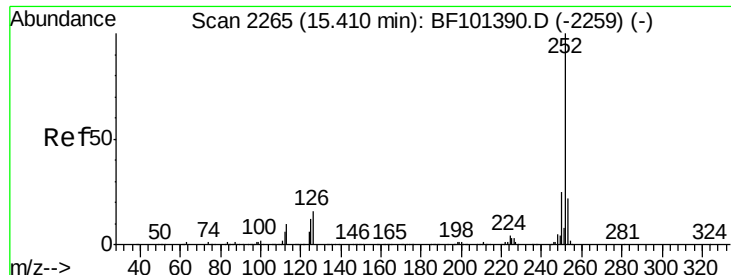
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.0	25.6
125	12.8	9.0	13.6



#88
Benzo(k)fluoranthene
Concen: 6.546 ng
RT: 15.04 min Scan# 2202
Delta R.T. -0.04 min
Lab File: BF101434.D
Acq: 15 Dec 2017 10:11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.9	26.9
125	12.8	10.2	15.2





#89

Benzo(a)pyrene

Concen: 4.205 ng

RT: 15.40 min Scan# 2264

Delta R.T. -0.01 min

Lab File: BF101434.D

Acq: 15 Dec 2017 10:11

Instrument :

BNA_F

ClientSampleId :

Tot Ion:252 Resp: 78068

Ion Ratio Lower Upper

252 100

253 22.6 17.1 25.7

125 12.2 9.8 14.6

