

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080217\
 Data File : BF097314.D
 Acq On : 3 Aug 2017 11:58
 Operator : SJ/JU
 Sample : I4527-02
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 03 13:22:24 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 03 12:06:13 2017
 Response via : Initial Calibration

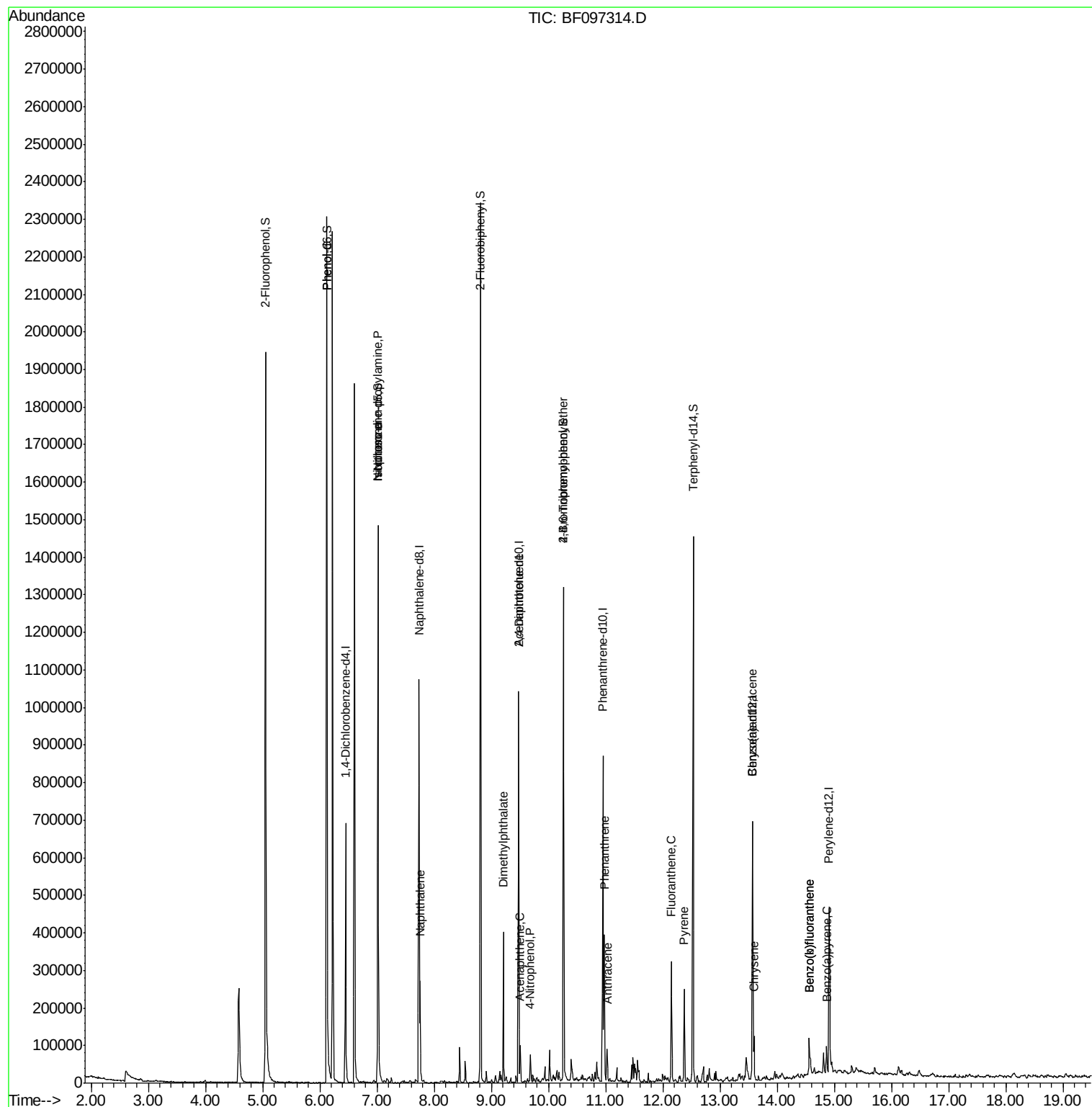
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.45	152	110777	20.00	ng	0.00
21) Naphthalene-d8	7.73	136	456709	20.00	ng	0.00
38) Acenaphthene-d10	9.47	164	194664	20.00	ng	0.00
63) Phenanthrene-d10	10.95	188	305760	20.00	ng	0.00
75) Chrysene-d12	13.57	240	214097	20.00	ng	-0.01
86) Perylene-d12	14.92	264	176393	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.05	112	662451	90.15	ng	0.00
7) Phenol-d6	6.12	99	824139	98.24	ng	0.00
23) Nitrobenzene-d5	7.02	82	462507	59.41	ng	0.00
41) 2,4,6-Tribromophenol	10.26	330	139923	90.98	ng	-0.01
44) 2-Fluorobiphenyl	8.81	172	711325	62.01	ng	0.00
78) Terphenyl-d14	12.53	244	474174	45.16	ng	0.00
Target Compounds						
10) Phenol	6.13	94	40297	4.050	ng	# 74
19) n-Nitroso-di-n-propylamine	7.02	70	62937	11.398	ng	# 87
25) Isophorone	7.02	82	462504	30.336	ng	# 67
31) Naphthalene	7.75	128	115100	5.346	ng	100
49) Dimethylphthalate	9.21	163	151363	10.239	ng	98
51) Acenaphthene	9.51	154	22324	2.018	ng	97
55) 4-Nitrophenol	9.68	139	10712	4.629	ng	# 30
56) 2,4-Dinitrotoluene	9.47	165	24431	6.778	ng	# 33
66) 4-Bromophenyl-phenylether	10.26	248	9389	3.077	ng	# 1
70) Phenanthrene	10.97	178	154866	9.453	ng	98
71) Anthracene	11.03	178	34031	2.028	ng	98
74) Fluoranthene	12.15	202	119907	7.471	ng	98
77) Pyrene	12.37	202	95760	5.463	ng	98
80) Benzo(a)anthracene	13.56	228	39514	2.852	ng	98
82) Chrysene	13.60	228	43674	3.229	ng	98
87) Benzo(b)fluoranthene	14.56	252	55077	5.194	ng	96
88) Benzo(k)fluoranthene	14.56	252	55077	5.451	ng	96
89) Benzo(a)pyrene	14.86	252	28564	2.943	ng	# 95

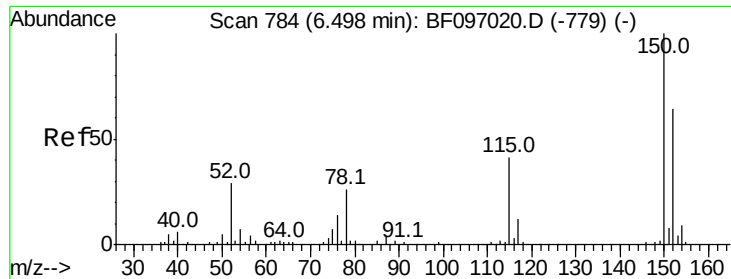
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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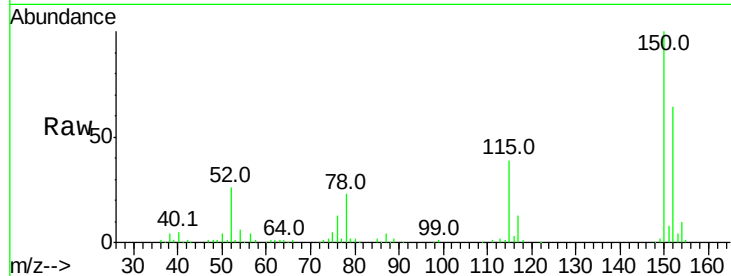


#1

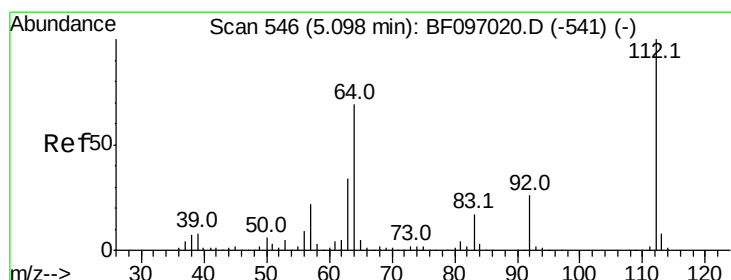
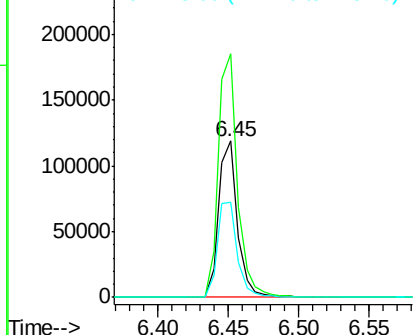
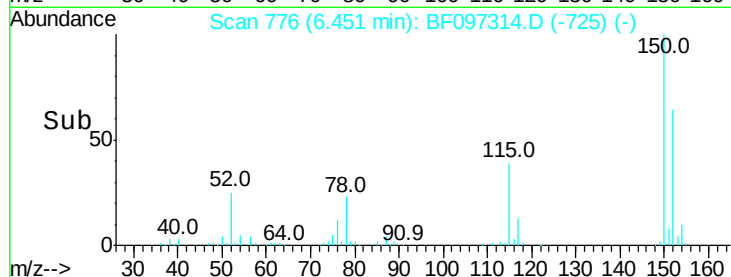
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.45 min Scan# 776
Delta R.T. 0.00 min
Lab File: BF097314.D
Acq: 3 Aug 2017 11:58

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 110777
Ion Ratio Lower Upper
152 100
150 155.9 126.2 189.2
115 60.8 52.2 78.2



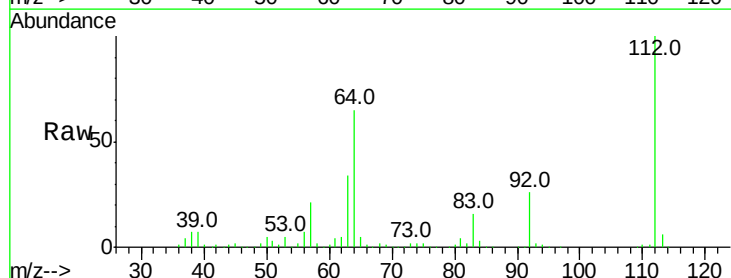
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



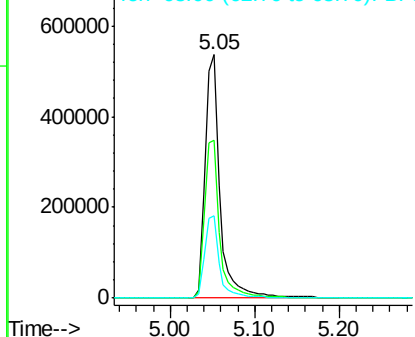
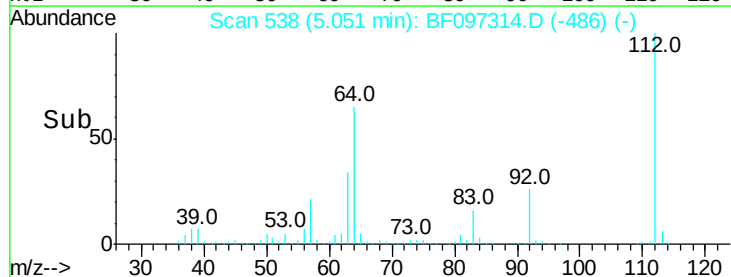
#5

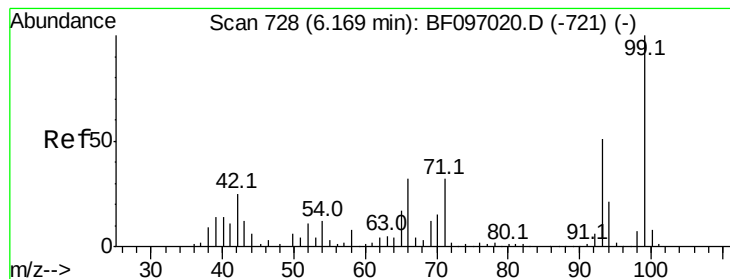
2-Fluorophenol
Concen: 90.148 ng
RT: 5.05 min Scan# 538
Delta R.T. 0.01 min
Lab File: BF097314.D
Acq: 3 Aug 2017 11:58

Tgt Ion:112 Resp: 662451
Ion Ratio Lower Upper
112 100
64 64.9 46.0 69.0
63 33.9 23.4 35.0



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 98.239 ng

RT: 6.12 min Scan# 720

Delta R.T. -0.01 min

Lab File: BF097314.D

Acq: 3 Aug 2017 11:58

Instrument :

BNA_F

ClientSampleId :

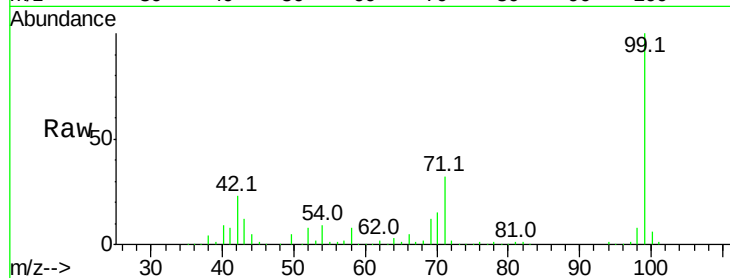
Tot Ion: 99 Resp: 824139

Ion Ratio Lower Upper

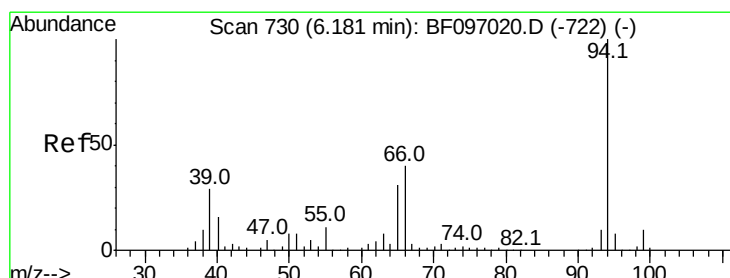
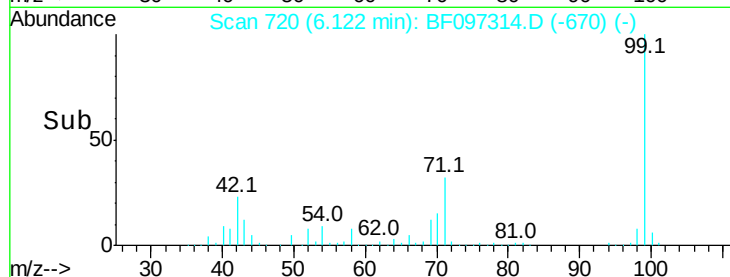
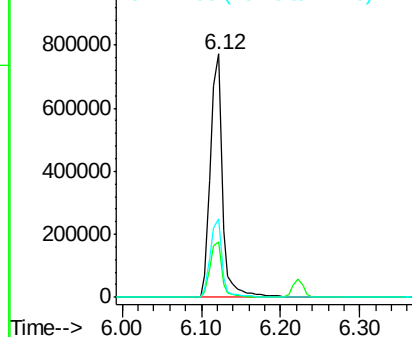
99 100

42 22.7 13.5 20.3#

71 32.3 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 4.050 ng

RT: 6.13 min Scan# 721

Delta R.T. -0.01 min

Lab File: BF097314.D

Acq: 3 Aug 2017 11:58

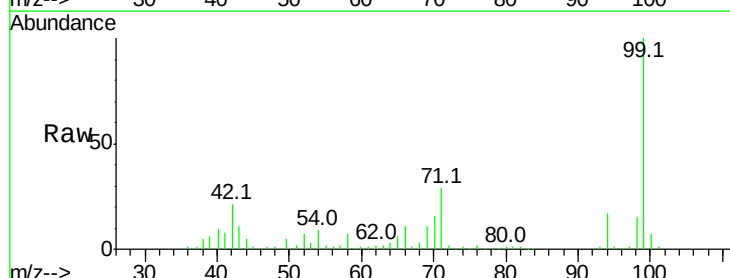
Tgt Ion: 94 Resp: 40297

Ion Ratio Lower Upper

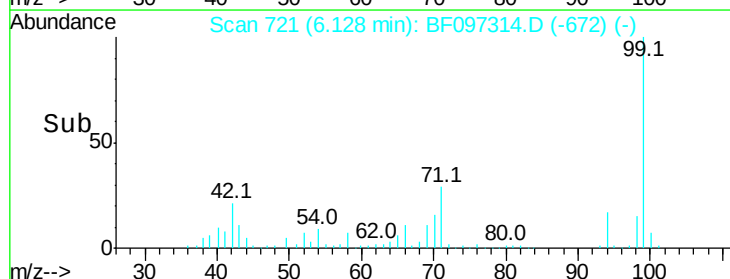
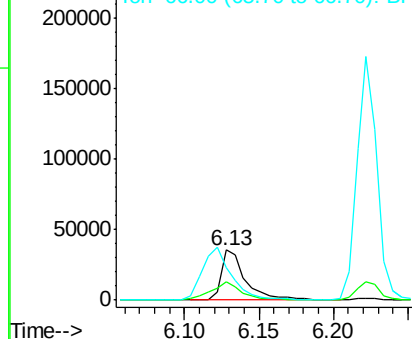
94 100

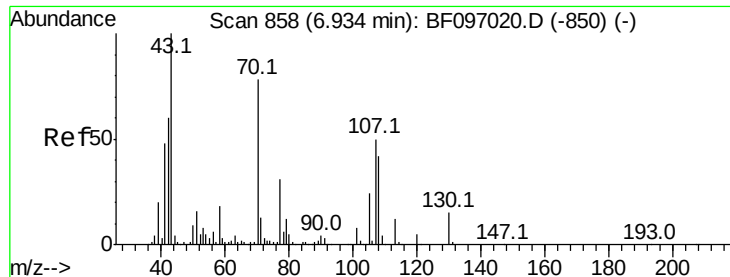
65 37.8 9.9 49.9

66 65.0 23.1 63.1#



Abundance Ion 94.00 (93.70 to 94.70): BF0
Ion 65.00 (64.70 to 65.70): BF0
Ion 66.00 (65.70 to 66.70): BF0

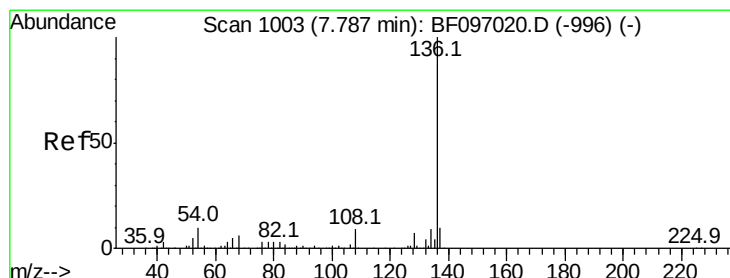
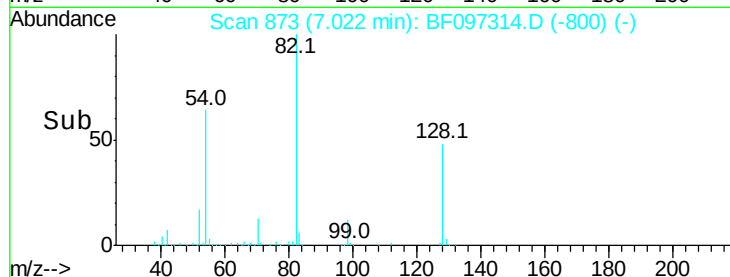
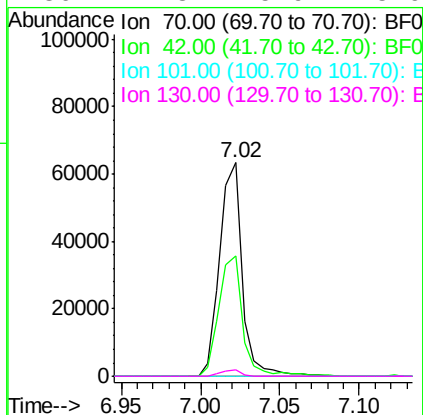
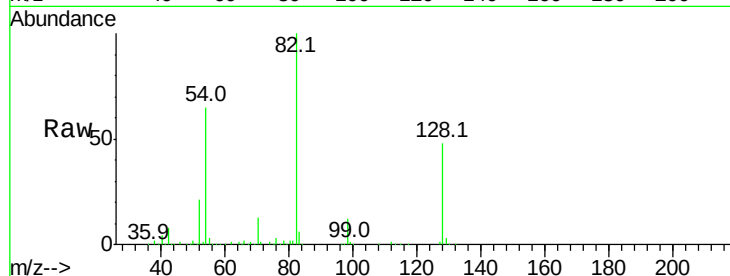




#19
n-Nitroso-di-n-propylamine
Concen: 11.398 ng
RT: 7.02 min Scan# 873
Delta R.T. 0.13 min
Lab File: BF097314.D
Acq: 3 Aug 2017 11:58

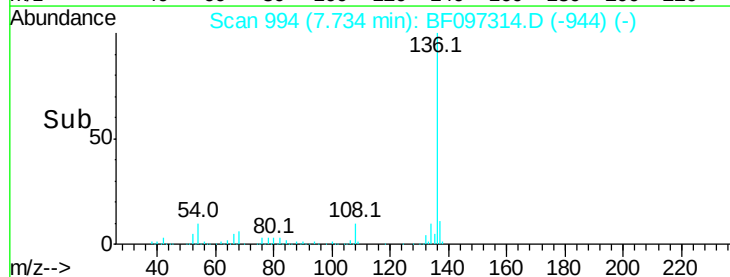
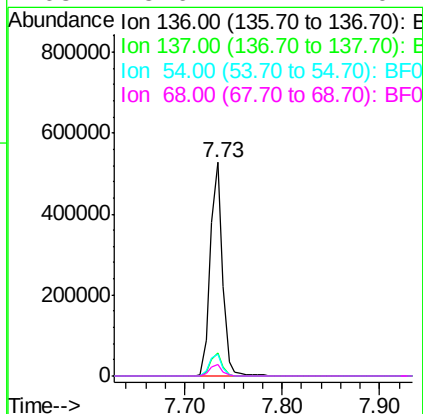
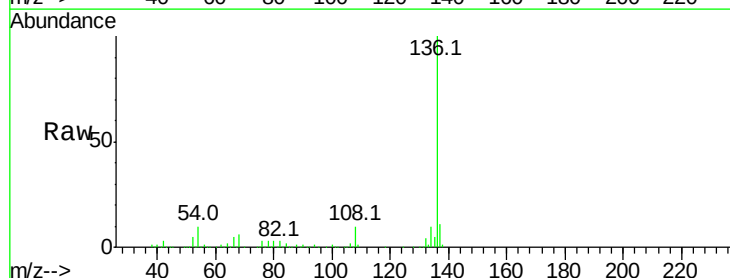
Instrument :
BNA_F
ClientSampleId :

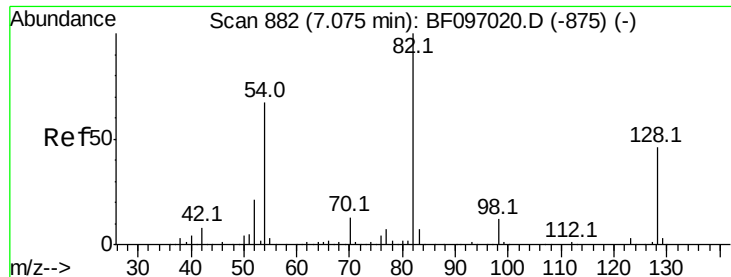
Tot Ion: 70 Resp: 62937
Ion Ratio Lower Upper
70 100
42 56.4 47.2 70.8
101 0.0 7.2 10.8#
130 2.8 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.73 min Scan# 994
Delta R.T. -0.01 min
Lab File: BF097314.D
Acq: 3 Aug 2017 11:58

Tgt Ion:136 Resp: 456709
Ion Ratio Lower Upper
136 100
137 10.7 8.5 12.7
54 10.2 4.9 7.3#
68 5.6 4.1 6.1

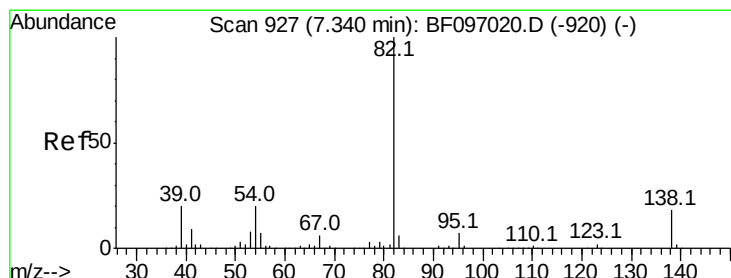
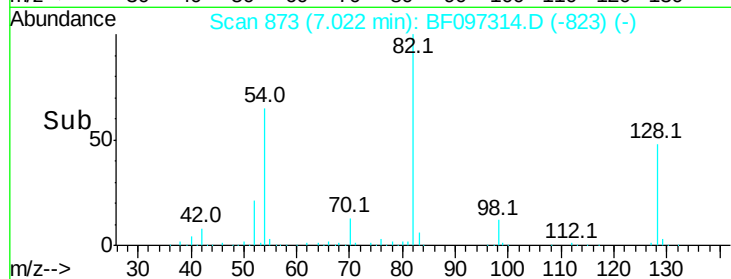
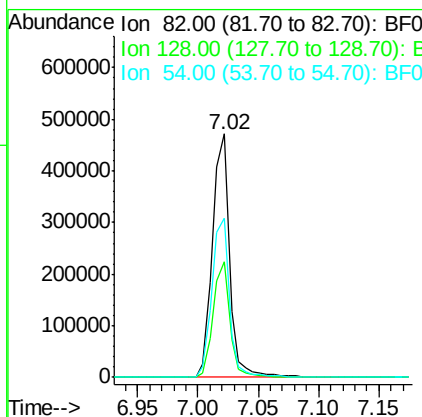
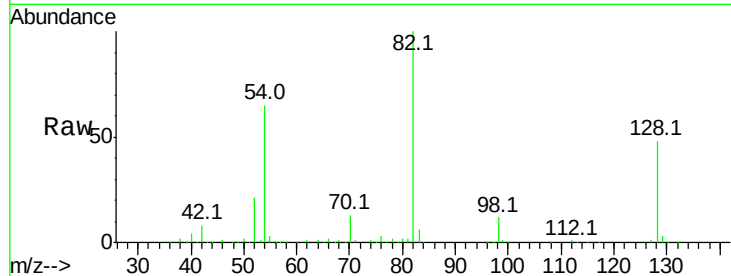




#23
 Nitrobenzene-d5
 Concen: 59.409 ng
 RT: 7.02 min Scan# 873
 Delta R.T. -0.01 min
 Lab File: BF097314.D
 Acq: 3 Aug 2017 11:58

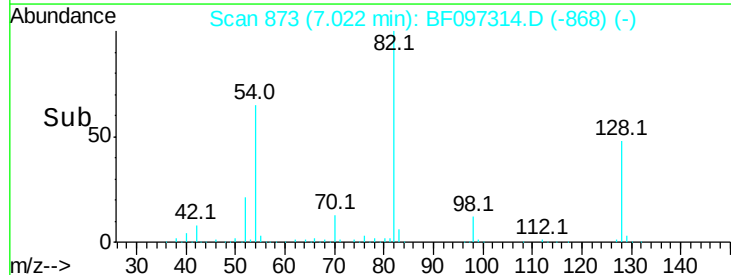
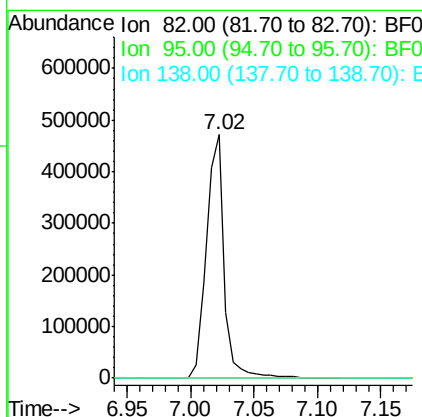
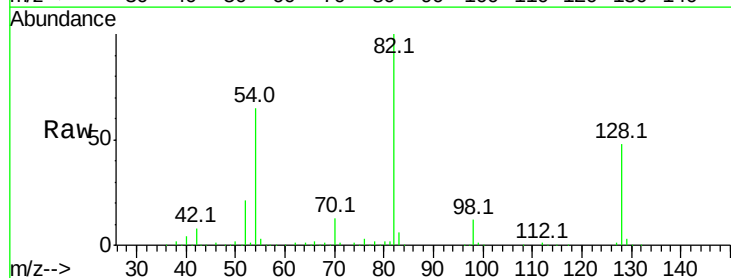
Instrument :
 BNA_F
 ClientSampleId :

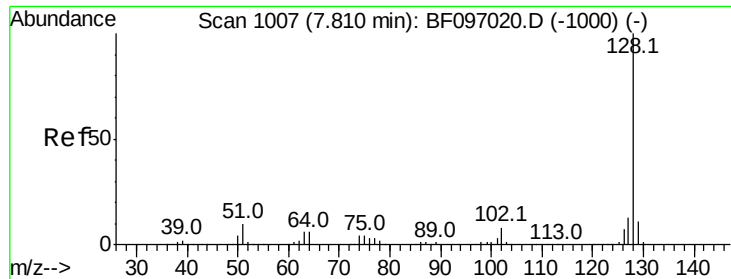
Tot Ion: 82 Resp: 462507
 Ion Ratio Lower Upper
 82 100
 128 47.7 34.0 51.0
 54 65.4 42.2 63.2#



#25
 Isophorone
 Concen: 30.336 ng
 RT: 7.02 min Scan# 873
 Delta R.T. -0.27 min
 Lab File: BF097314.D
 Acq: 3 Aug 2017 11:58

Tgt Ion: 82 Resp: 462504
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.3 7.9#
 138 0.0 13.1 19.7#

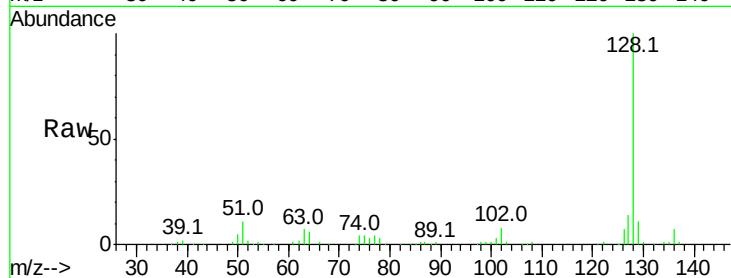




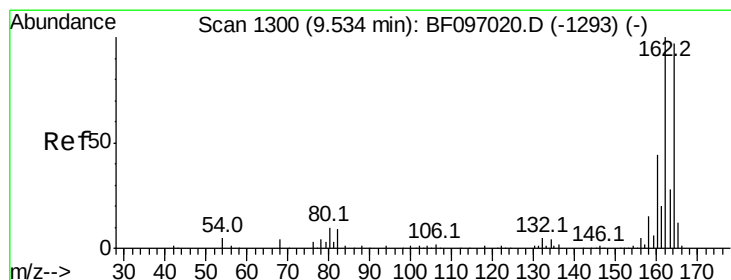
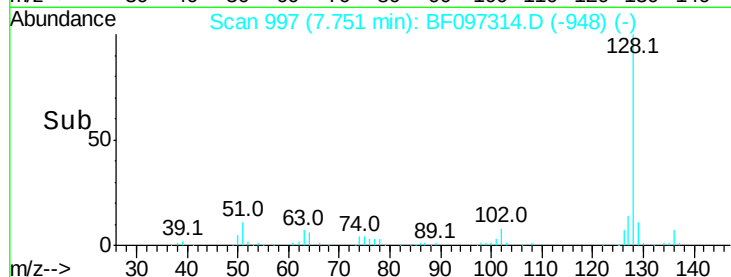
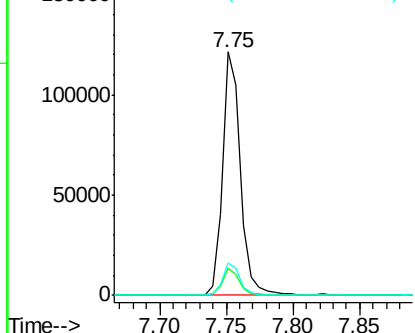
#31
Naphthalene
Concen: 5.346 ng
RT: 7.75 min Scan# 997
Delta R.T. -0.01 min
Lab File: BF097314.D
Acq: 3 Aug 2017 11:58

Instrument :
BNA_F
ClientSampleId :

Tot Ion:128 Resp: 115100
Ion Ratio Lower Upper
128 100
129 11.3 9.0 13.6
127 13.6 10.8 16.2

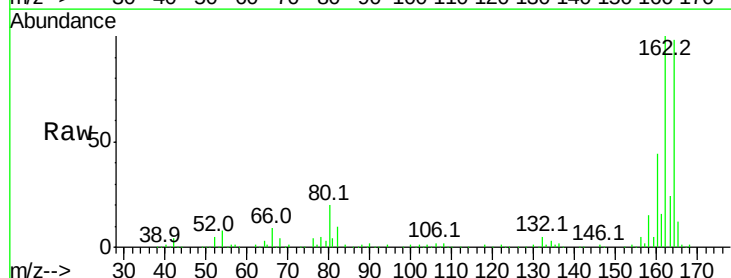


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

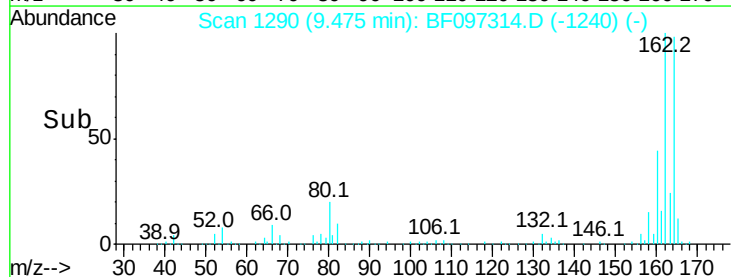
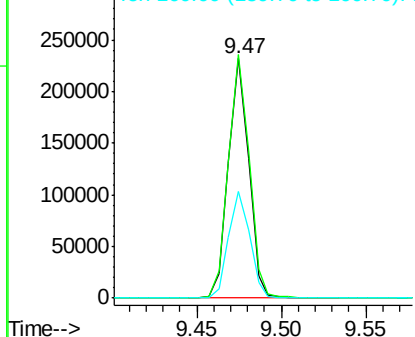


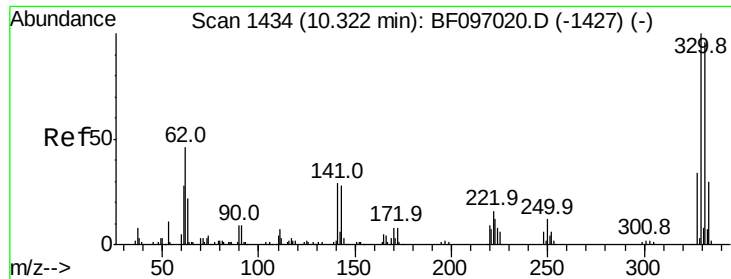
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.47 min Scan# 1290
Delta R.T. -0.01 min
Lab File: BF097314.D
Acq: 3 Aug 2017 11:58

Tgt Ion:164 Resp: 194664
Ion Ratio Lower Upper
164 100
162 101.7 82.6 123.8
160 44.5 36.2 54.2



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

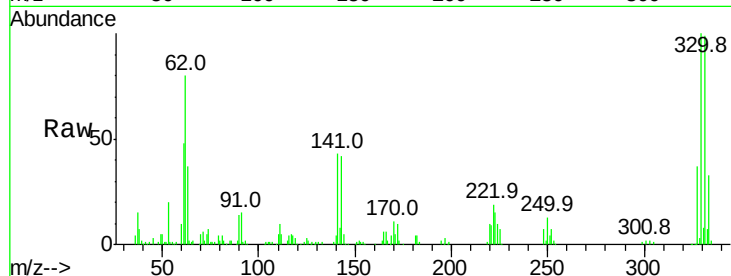




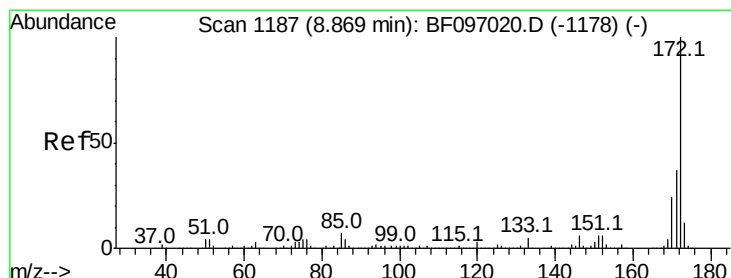
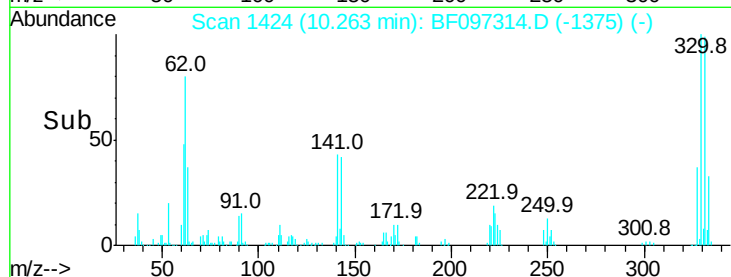
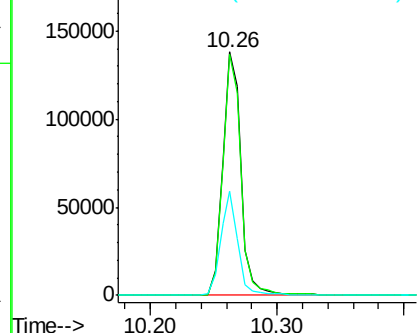
#41
 2,4,6-Tribromophenol
 Concen: 90.975 ng
 RT: 10.26 min Scan# 1424
 Delta R.T. -0.01 min
 Lab File: BF097314.D
 Acq: 3 Aug 2017 11:58

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.0	76.6	115.0
141	40.1	31.4	47.2

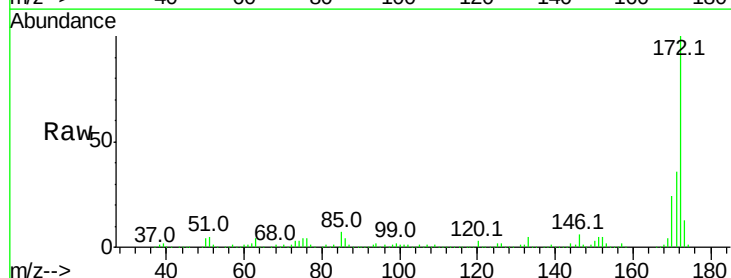


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

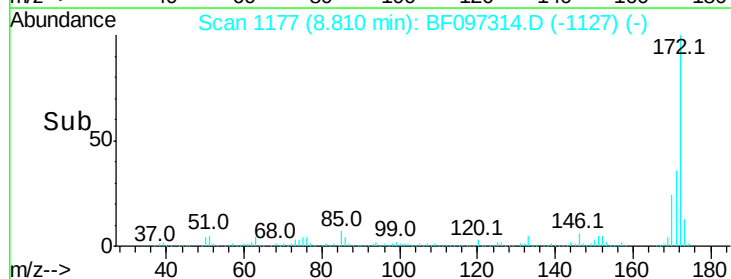
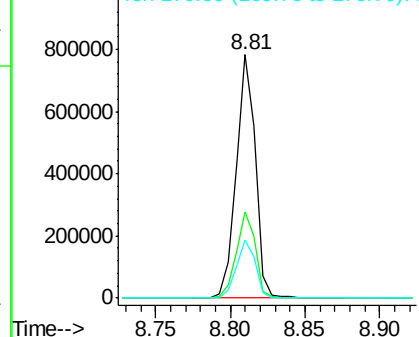


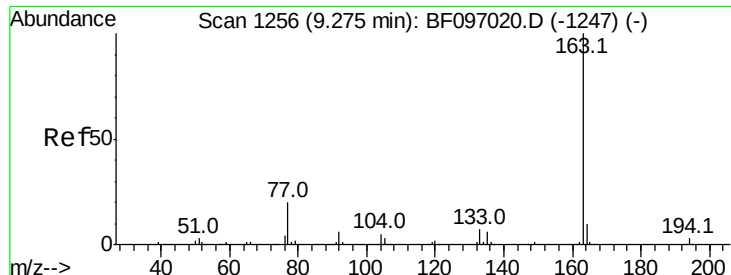
#44
 2-Fluorobiphenyl
 Concen: 62.014 ng
 RT: 8.81 min Scan# 1177
 Delta R.T. -0.01 min
 Lab File: BF097314.D
 Acq: 3 Aug 2017 11:58

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.6	44.4
170	23.8	19.8	29.8



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





#49

Dimethylphthalate

Concen: 10.239 ng

RT: 9.21 min Scan# 1245

Delta R.T. -0.02 min

Lab File: BF097314.D

Acq: 3 Aug 2017 11:58

Instrument :

BNA_F

ClientSampled :

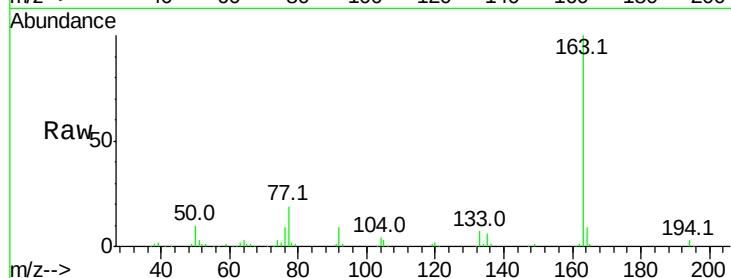
Tot Ion:163 Resp: 151363

Ion Ratio Lower Upper

163 100

194 3.1 2.6 4.0

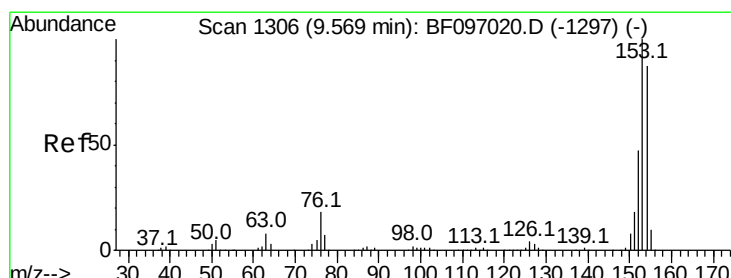
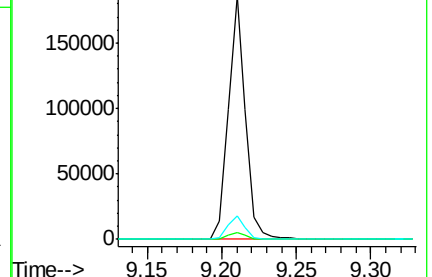
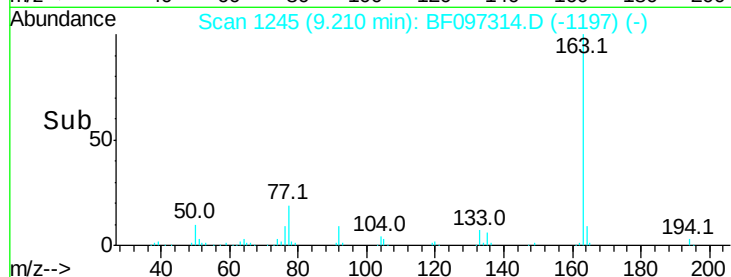
164 9.4 8.4 12.6



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#51

Acenaphthene

Concen: 2.018 ng

RT: 9.51 min Scan# 1296

Delta R.T. -0.01 min

Lab File: BF097314.D

Acq: 3 Aug 2017 11:58

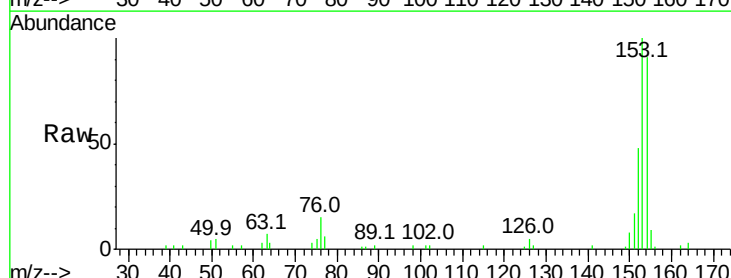
Tgt Ion:154 Resp: 22324

Ion Ratio Lower Upper

154 100

153 110.0 90.5 135.7

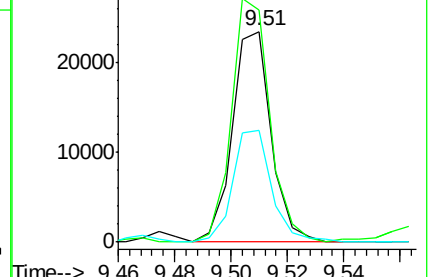
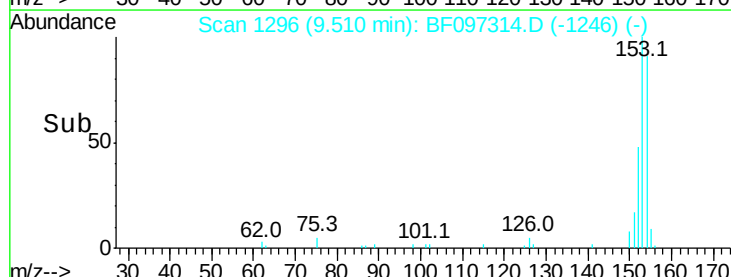
152 53.2 43.6 65.4

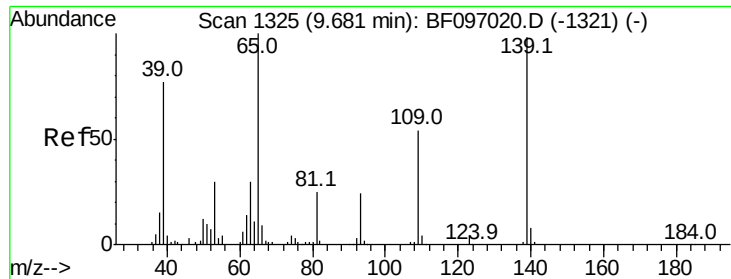


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#55

4-Nitrophenol

Concen: 4.629 ng

RT: 9.68 min Scan# 1325

Delta R.T. 0.03 min

Lab File: BF097314.D

Acq: 3 Aug 2017 11:58

Instrument :
BNA_F
ClientSampleId :

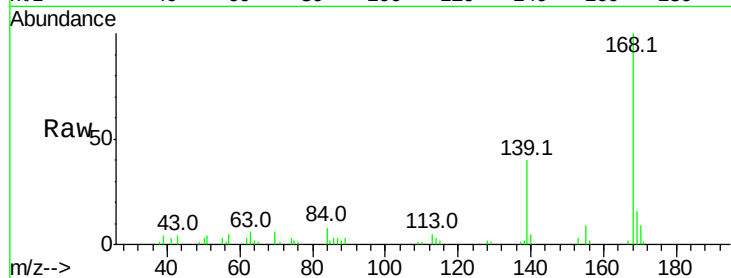
Tot Ion:139 Resp: 10712

Ion Ratio Lower Upper

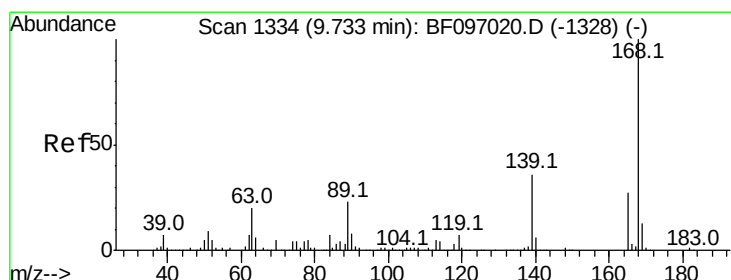
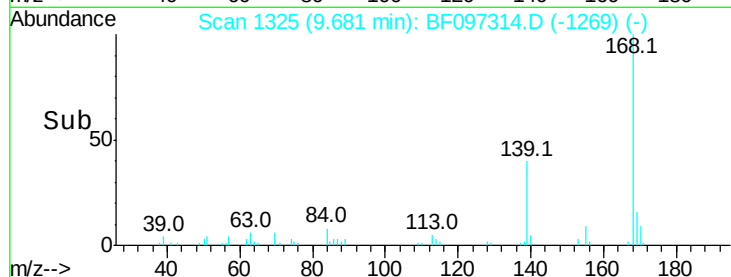
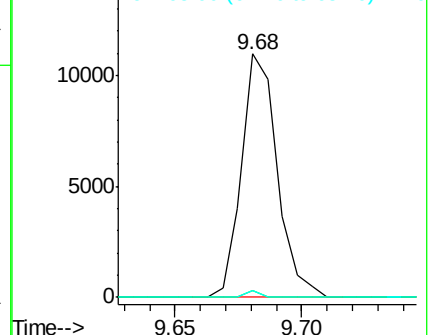
139 100

109 2.9 34.1 74.1#

65 3.0 31.4 71.4#



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): E



#56

2,4-Dinitrotoluene

Concen: 6.778 ng

RT: 9.47 min Scan# 1290

Delta R.T. -0.22 min

Lab File: BF097314.D

Acq: 3 Aug 2017 11:58

Tgt Ion:165 Resp: 24431

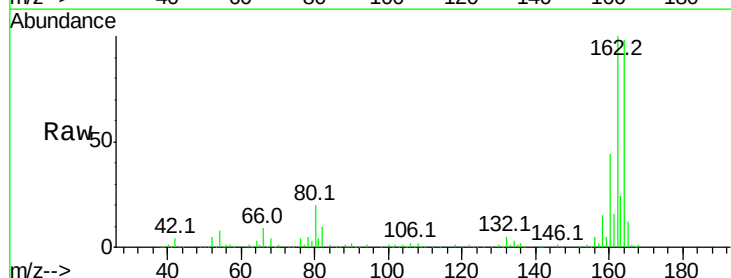
Ion Ratio Lower Upper

165 100

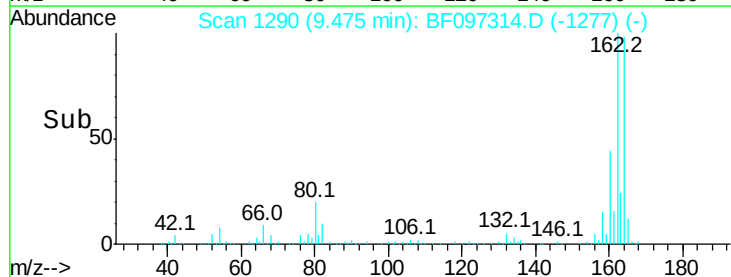
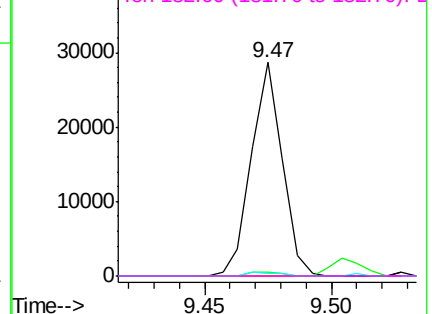
63 1.7 25.4 38.0#

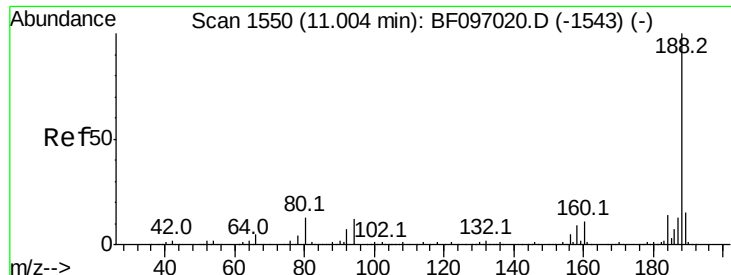
89 1.5 46.4 69.6#

182 0.0 1.8 2.6#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0
Ion 182.00 (181.70 to 182.70): E

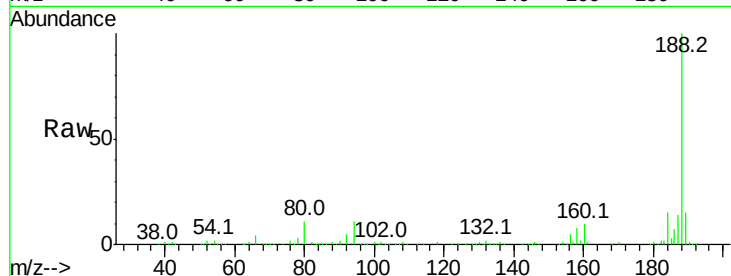




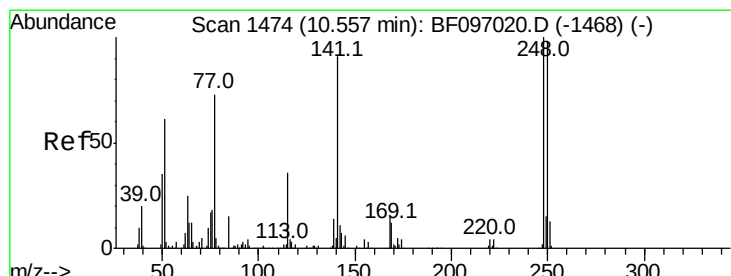
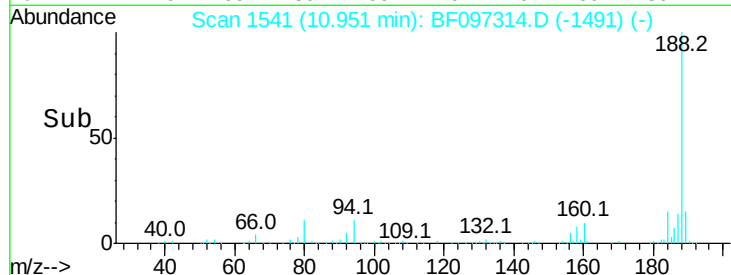
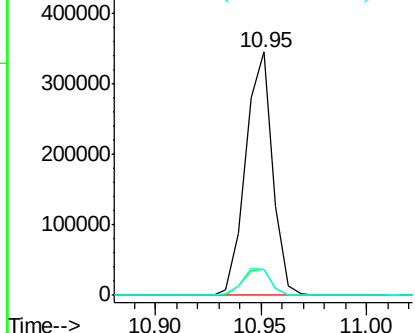
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 10.95 min Scan# 1541
 Delta R.T. -0.01 min
 Lab File: BF097314.D
 Acq: 3 Aug 2017 11:58

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:188 Resp: 305760
 Ion Ratio Lower Upper
 188 100
 94 10.8 9.4 14.2
 80 10.7 10.2 15.2

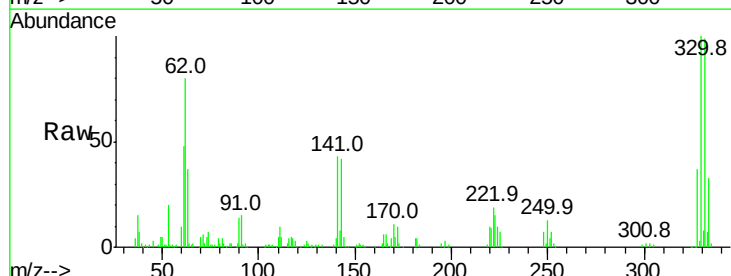


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

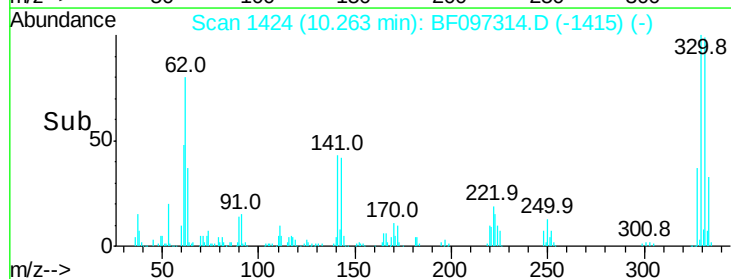
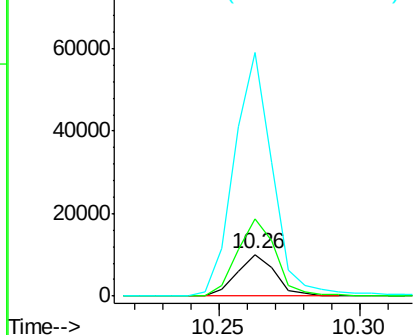


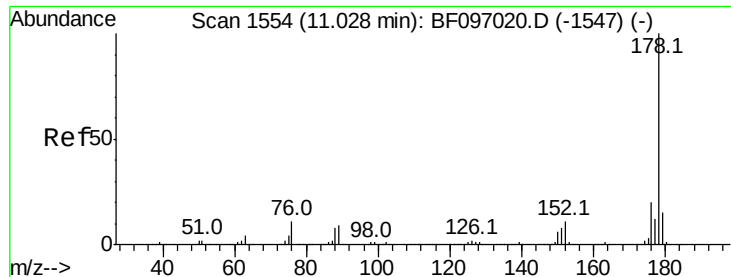
#66
 4-Bromophenyl-phenylether
 Concen: 3.077 ng
 RT: 10.26 min Scan# 1424
 Delta R.T. -0.25 min
 Lab File: BF097314.D
 Acq: 3 Aug 2017 11:58

Tgt Ion:248 Resp: 9389
 Ion Ratio Lower Upper
 248 100
 250 184.6 76.8 115.2#
 141 586.1 68.6 103.0#



Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

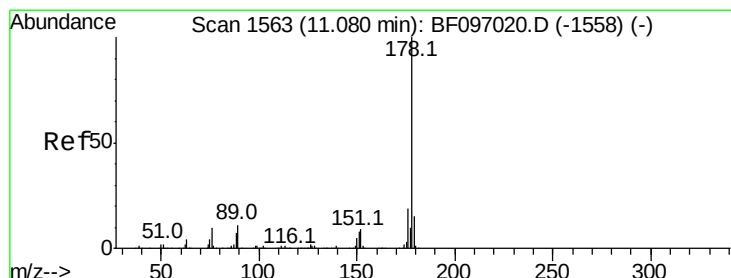
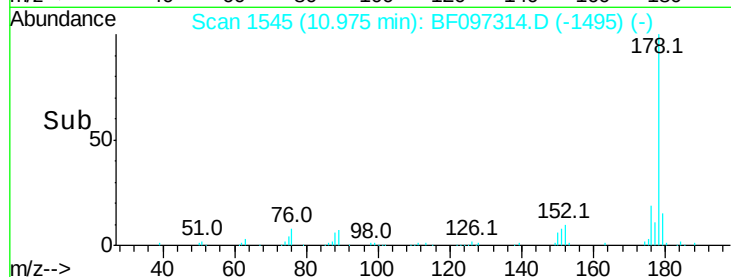
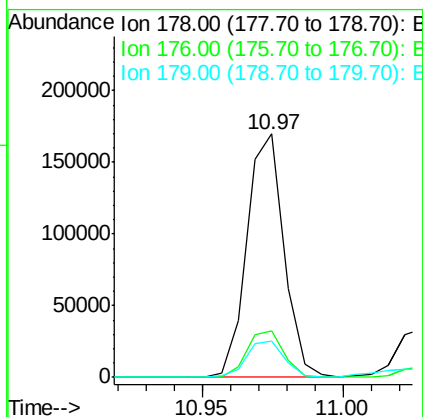
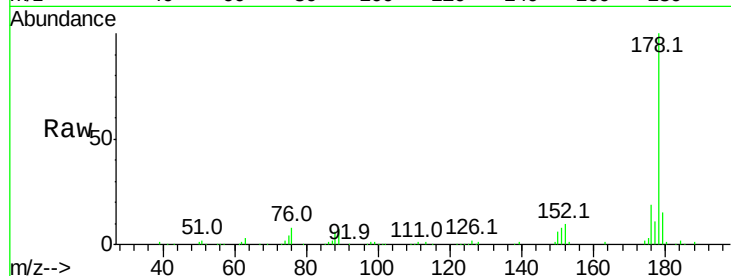




#70
Phenanthrene
Concen: 9.453 ng
RT: 10.97 min Scan# 1545
Delta R.T. -0.01 min
Lab File: BF097314.D
Acq: 3 Aug 2017 11:58

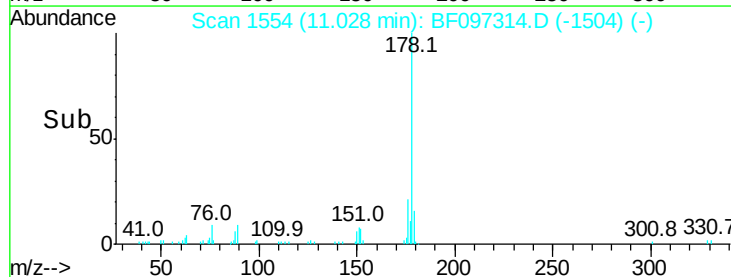
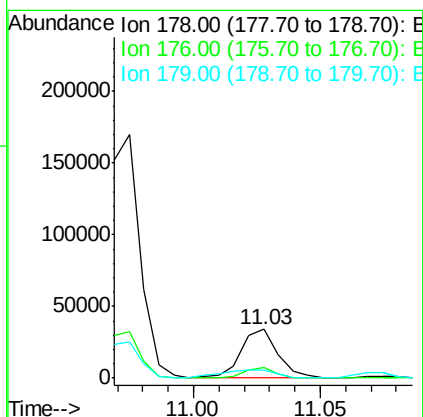
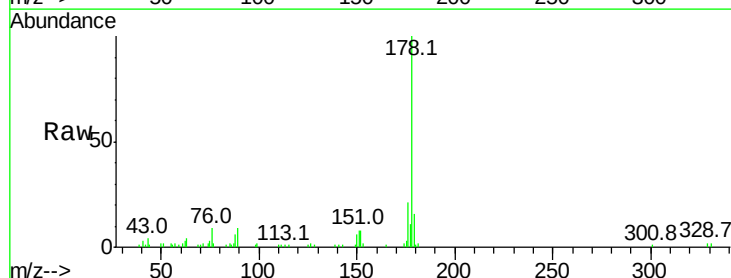
Instrument :
BNA_F
ClientSampleId :

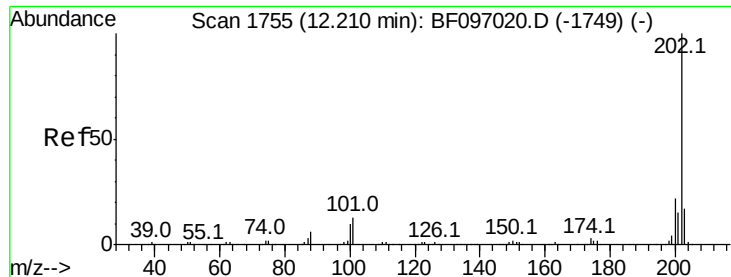
Tot Ion:178 Resp: 154866
Ion Ratio Lower Upper
178 100
176 19.2 16.2 24.4
179 14.9 12.6 19.0



#71
Anthracene
Concen: 2.028 ng
RT: 11.03 min Scan# 1554
Delta R.T. -0.01 min
Lab File: BF097314.D
Acq: 3 Aug 2017 11:58

Tgt Ion:178 Resp: 34031
Ion Ratio Lower Upper
178 100
176 21.2 15.8 23.8
179 16.4 12.7 19.1

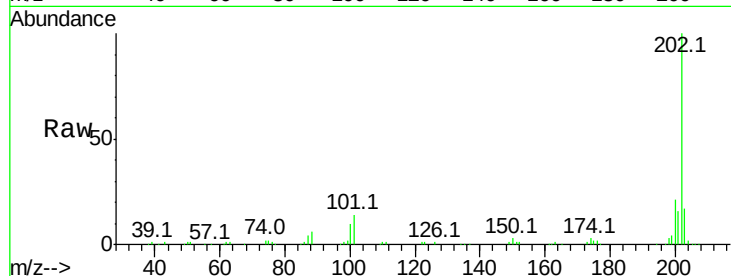




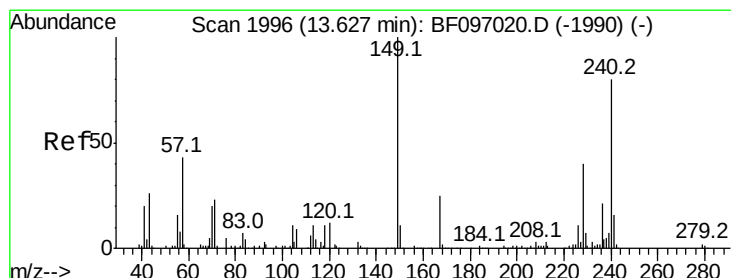
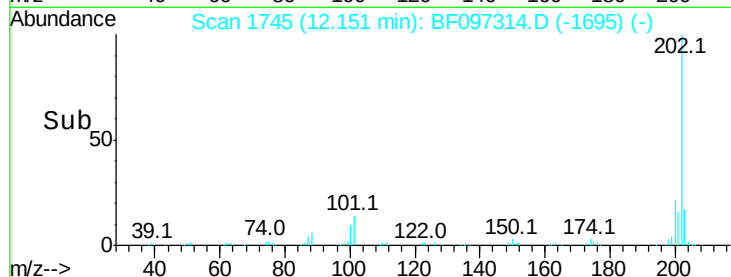
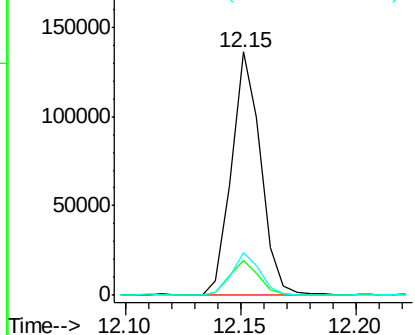
#74
 Fluoranthene
 Concen: 7.471 ng
 RT: 12.15 min Scan# 1745
 Delta R.T. -0.01 min
 Lab File: BF097314.D
 Acq: 3 Aug 2017 11:58

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
101	14.3	0.0	33.2
203	17.4	0.0	38.1

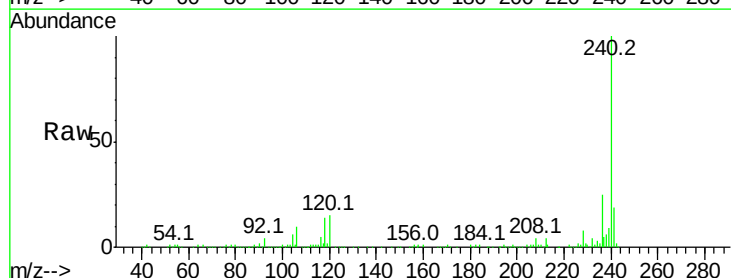


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

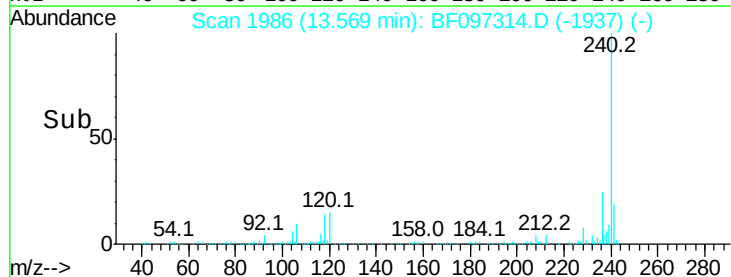
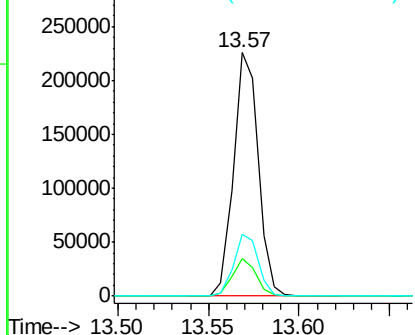


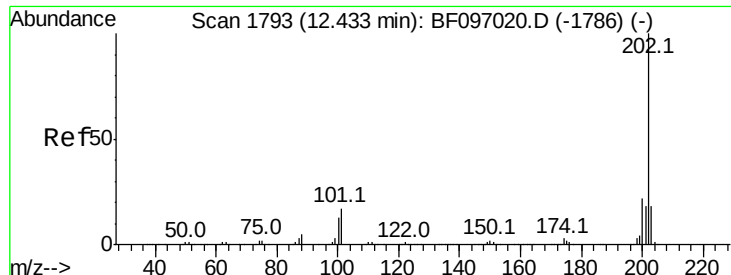
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.57 min Scan# 1986
 Delta R.T. -0.01 min
 Lab File: BF097314.D
 Acq: 3 Aug 2017 11:58

Tgt Ion	Ratio	Lower	Upper
240	100		
120	15.3	5.8	8.8#
236	25.2	20.5	30.7



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

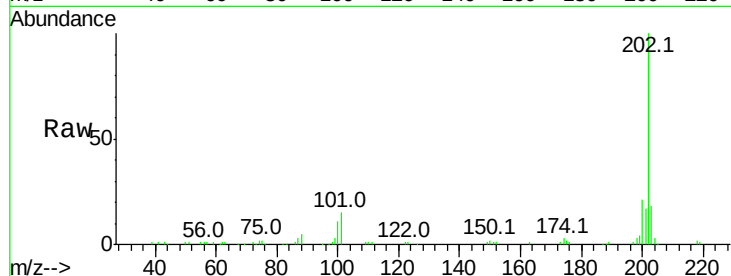




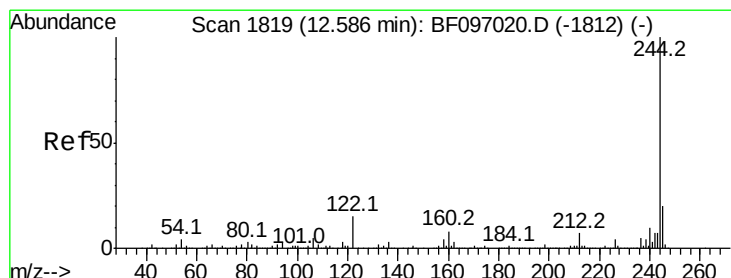
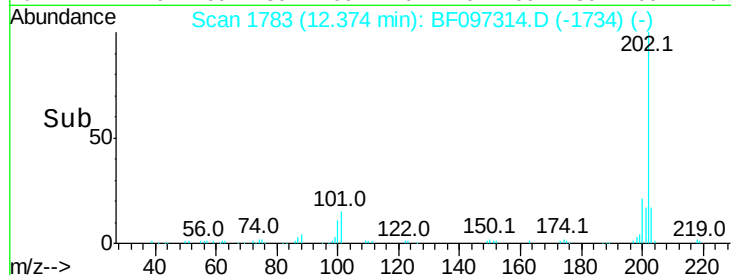
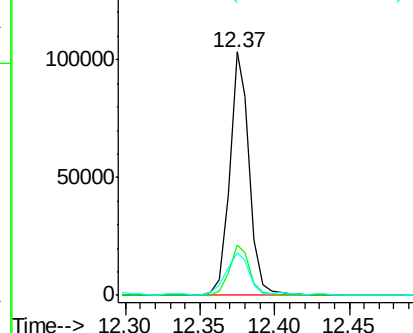
#77
Pvrene
Concen: 5.463 ng
RT: 12.37 min Scan# 1783
Delta R.T. -0.01 min
Lab File: BF097314.D
Acq: 3 Aug 2017 11:58

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.8	17.6	26.4
203	17.7	14.4	21.6

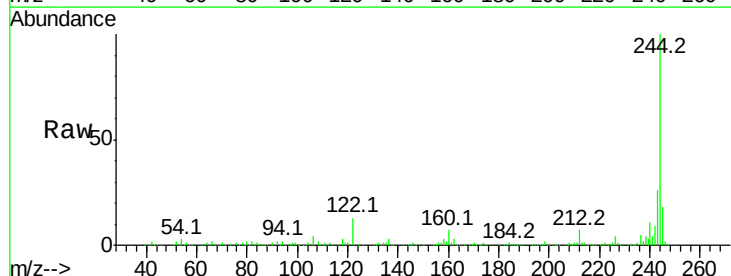


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

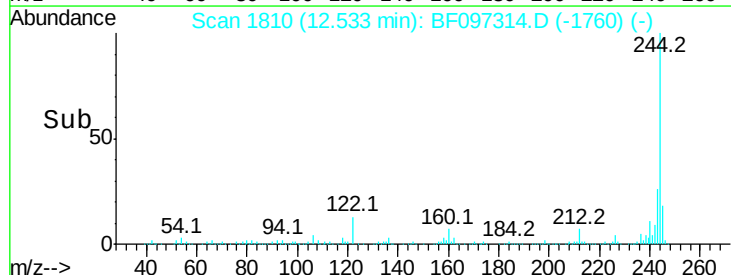
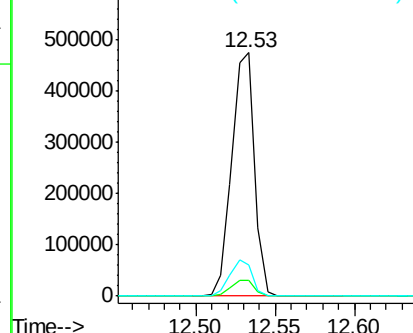


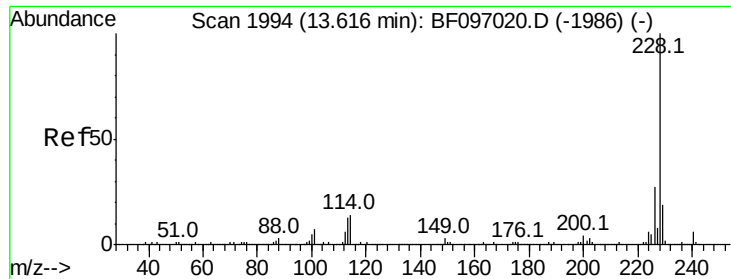
#78
Terphenyl-d14
Concen: 45.156 ng
RT: 12.53 min Scan# 1810
Delta R.T. -0.01 min
Lab File: BF097314.D
Acq: 3 Aug 2017 11:58

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.5	6.0	9.0
122	12.8	10.3	15.5



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: 2.852 ng

RT: 13.56 min Scan# 1985

Delta R.T. -0.01 min

Lab File: BF097314.D

Acq: 3 Aug 2017 11:58

Instrument :

BNA_F

ClientSampled :

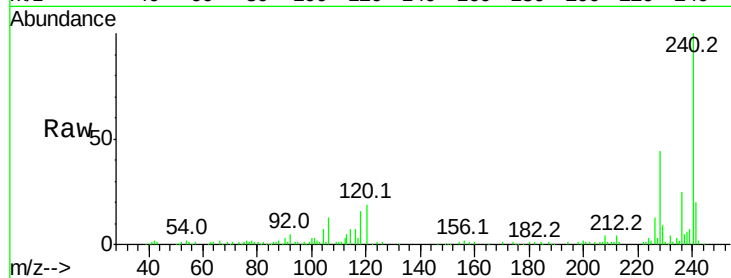
Tot Ion:228 Resp: 39514

Ion Ratio Lower Upper

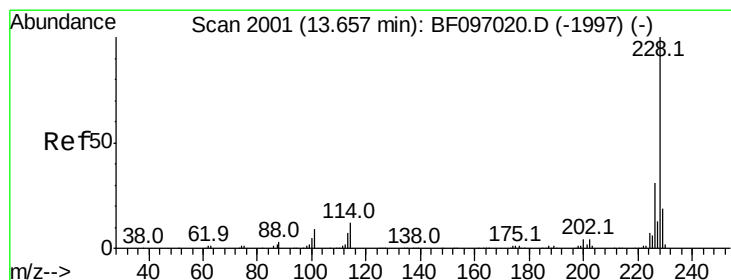
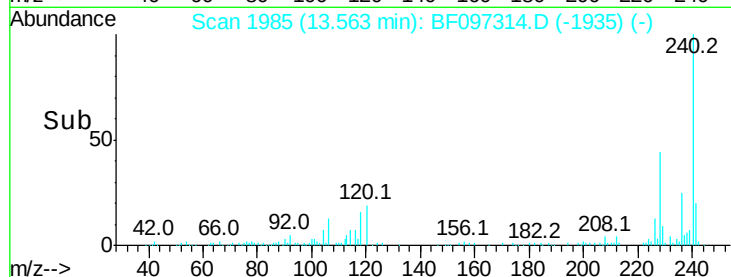
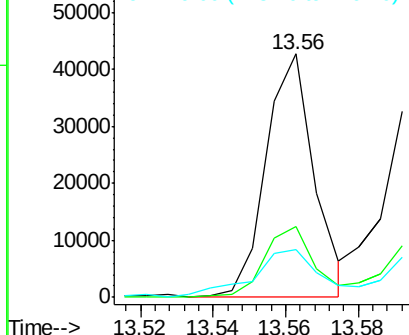
228 100

226 28.9 22.6 33.8

229 19.4 16.3 24.5



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: 3.229 ng

RT: 13.60 min Scan# 1991

Delta R.T. -0.01 min

Lab File: BF097314.D

Acq: 3 Aug 2017 11:58

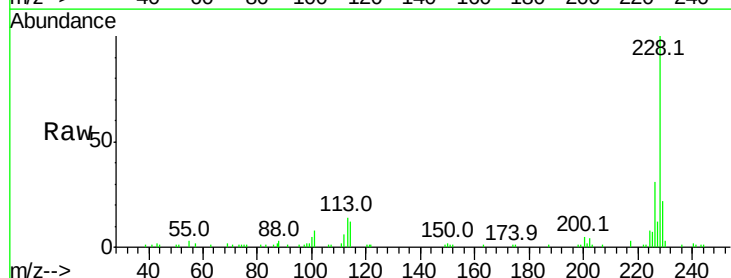
Tgt Ion:228 Resp: 43674

Ion Ratio Lower Upper

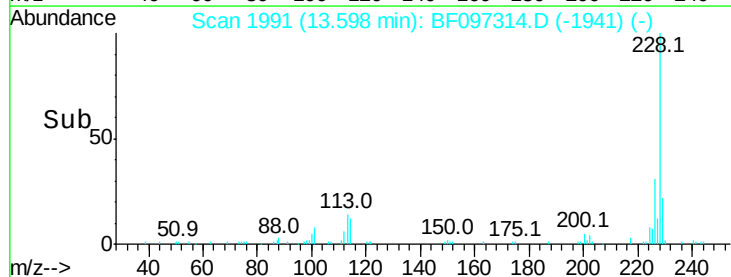
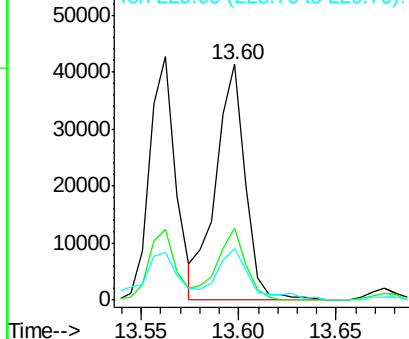
228 100

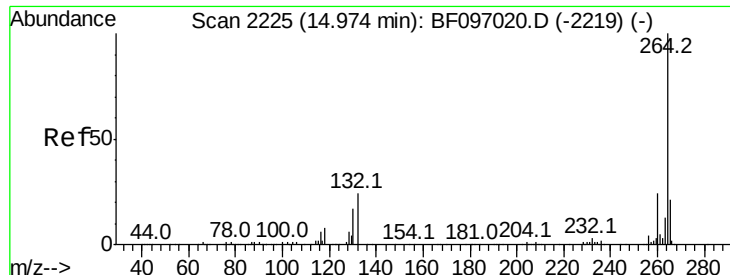
226 30.6 24.9 37.3

229 21.8 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





#86

Pervlene-d12

Concen: 20.000 ng

RT: 14.92 min Scan# 2215

Delta R.T. 0.00 min

Lab File: BF097314.D

Acq: 3 Aug 2017 11:58

Instrument :

BNA_F

ClientSampleId :

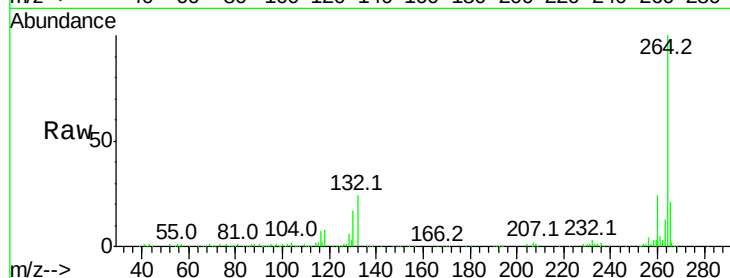
Tot Ion:264 Resp: 176393

Ion Ratio Lower Upper

264 100

260 24.4 19.5 29.3

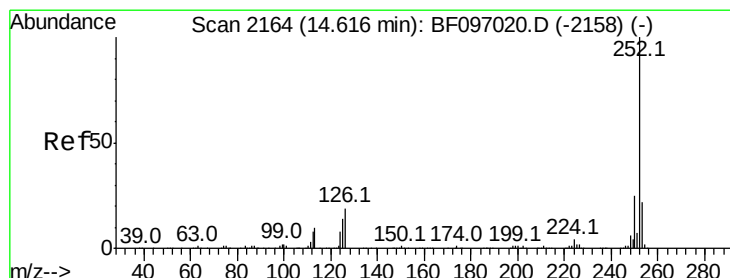
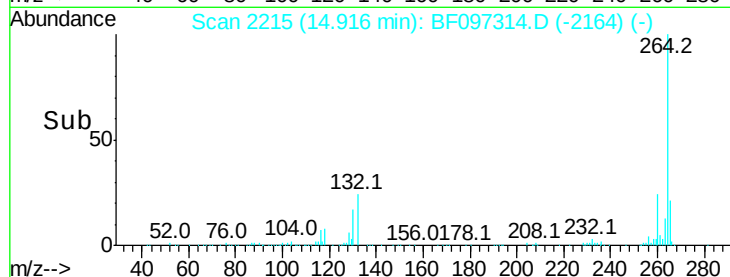
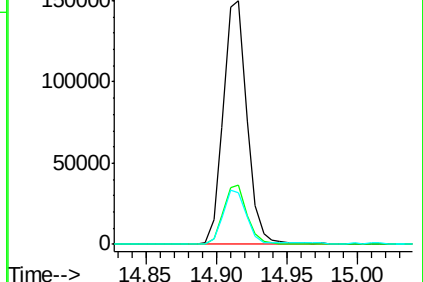
265 21.2 17.2 25.8



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: 5.194 ng

RT: 14.56 min Scan# 2155

Delta R.T. -0.01 min

Lab File: BF097314.D

Acq: 3 Aug 2017 11:58

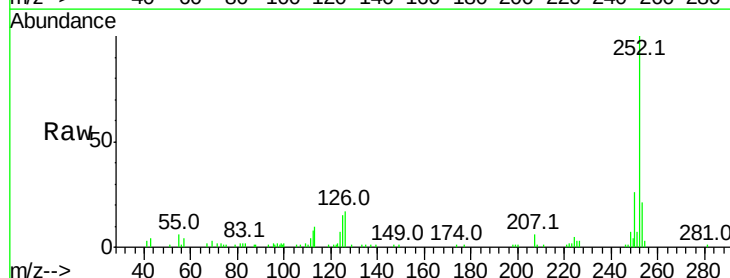
Tgt Ion:252 Resp: 55077

Ion Ratio Lower Upper

252 100

253 21.2 18.1 27.1

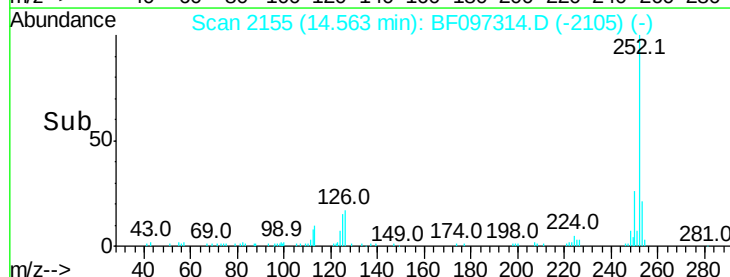
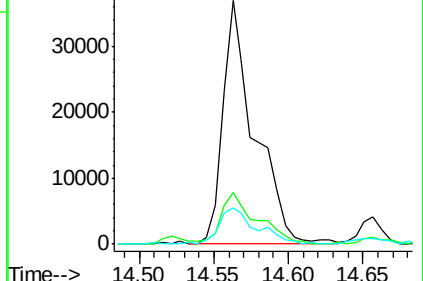
125 14.7 9.8 14.8

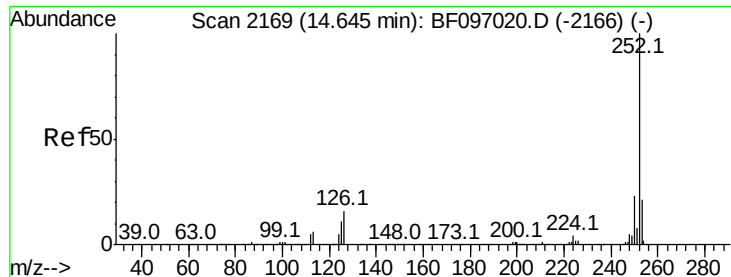


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

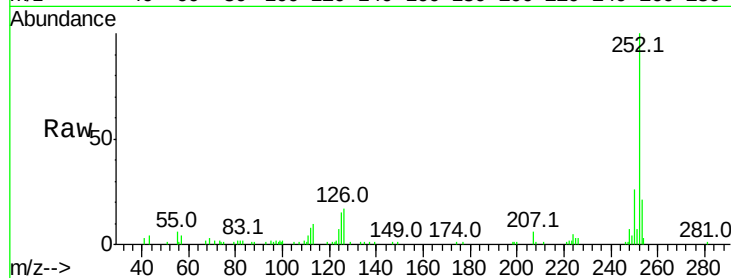




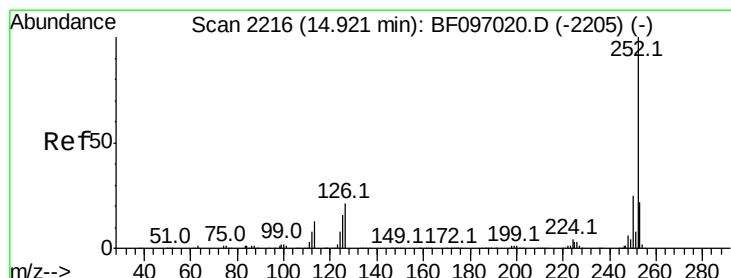
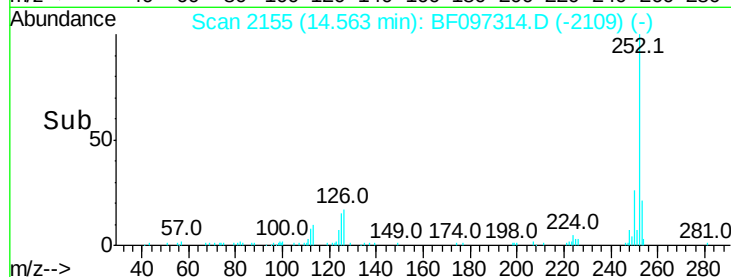
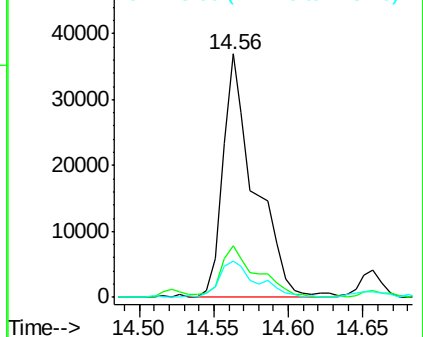
#88
Benzo(k)fluoranthene
Concen: 5.451 ng
RT: 14.56 min Scan# 2155
Delta R.T. -0.03 min
Lab File: BF097314.D
Acq: 3 Aug 2017 11:58

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.2	18.4	27.6
125	14.7	13.1	19.7

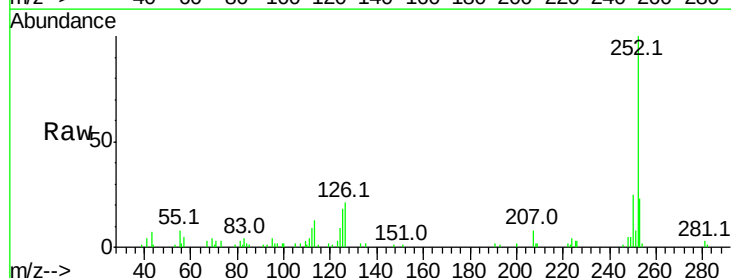


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#89
Benzo(a)pyrene
Concen: 2.943 ng
RT: 14.86 min Scan# 2206
Delta R.T. -0.01 min
Lab File: BF097314.D
Acq: 3 Aug 2017 11:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.5	26.3
125	17.7	11.0	16.4#



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

