

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051215\
 Data File : BF079171.D
 Acq On : 12 May 2015 21:40
 Operator : TP/IZ
 Sample : G2175-14
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-H

Quant Time: May 13 01:17:51 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 13 00:53:14 2015
 Response via : Initial Calibration

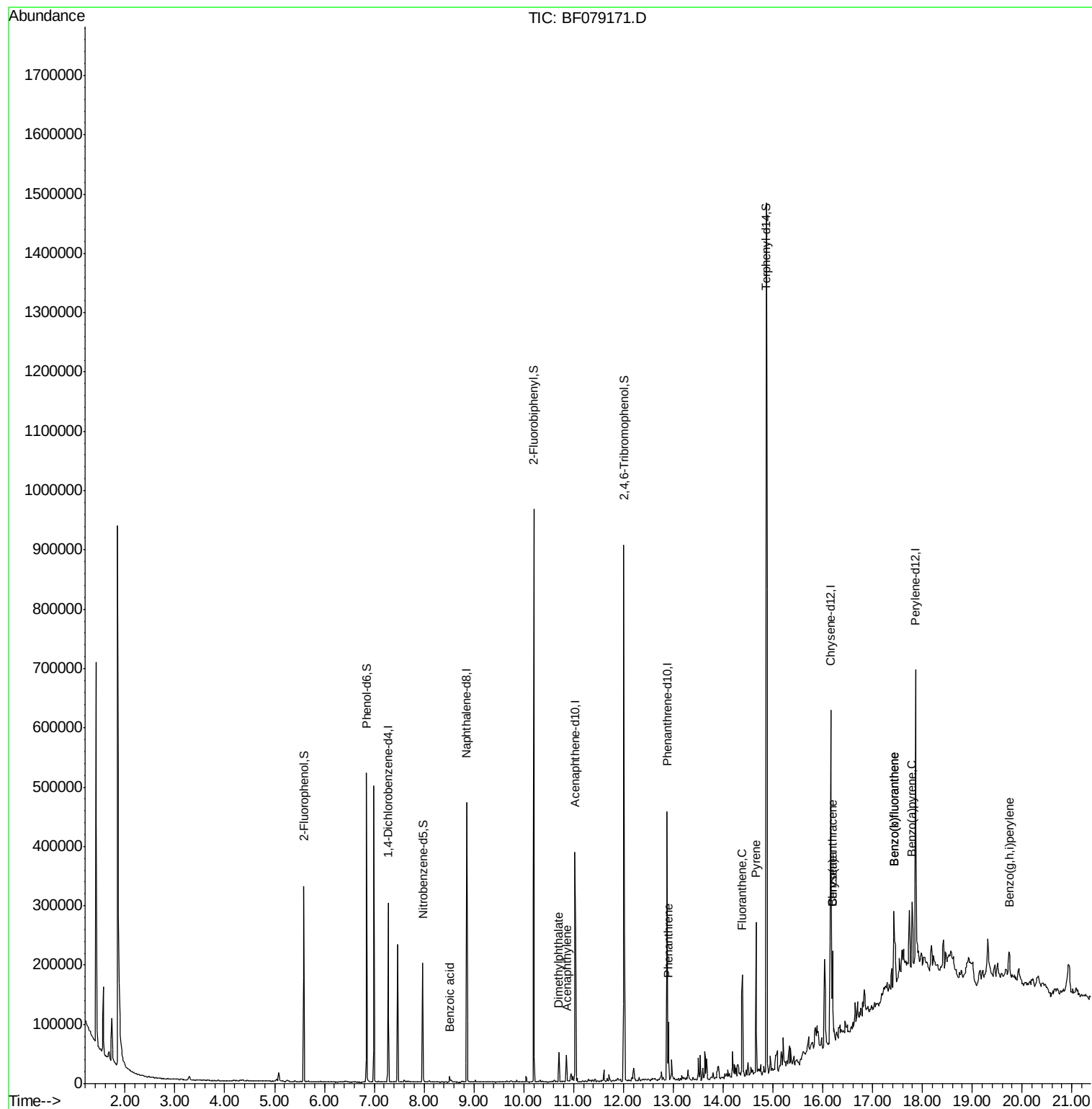
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.28	152	49664	20.00	ng	0.00
21) Naphthalene-d8	8.86	136	209858	20.00	ng	0.00
38) Acenaphthene-d10	11.03	164	100907	20.00	ng	-0.01
63) Phenanthrene-d10	12.88	188	194438	20.00	ng	0.00
75) Chrysene-d12	16.16	240	213237	20.00	ng	-0.03
86) Perylene-d12	17.86	264	227780	20.00	ng	-0.16
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	113394	39.30	ng	0.01
7) Phenol-d6	6.84	99	179193	46.99	ng	0.00
23) Nitrobenzene-d5	7.98	82	93957	25.73	ng	0.00
41) 2,4,6-Tribromophenol	12.01	330	117693	107.81	ng	0.00
44) 2-Fluorobiphenyl	10.20	172	315287	43.53	ng	0.00
78) Terphenyl-d14	14.87	244	585913	65.78	ng	-0.01
Target Compounds						Qvalue
32) Benzoic acid	8.51	122	2283	7.37	ng	98
48) Acenaphthylene	10.86	152	21484	2.09	ng	98
49) Dimethylphthalate	10.71	163	18801	2.54	ng	98
70) Phenanthrene	12.90	178	40971	3.77	ng	99
74) Fluoranthene	14.39	202	96936	8.55	ng	92
77) Pyrene	14.66	202	109834	8.94	ng	98
80) Benzo(a)anthracene	16.19	228	42763	3.66	ng	95
82) Chrysene	16.19	228	60331	5.37	ng	98
87) Benzo(b)fluoranthene	17.43	252	74575	5.98	ng	98
88) Benzo(k)fluoranthene	17.43	252	105739	8.76	ng	99
89) Benzo(a)pyrene	17.79	252	54793	4.77	ng	# 91
91) Benzo(g,h,i)perylene	19.74	276	40054	3.28	ng	# 90

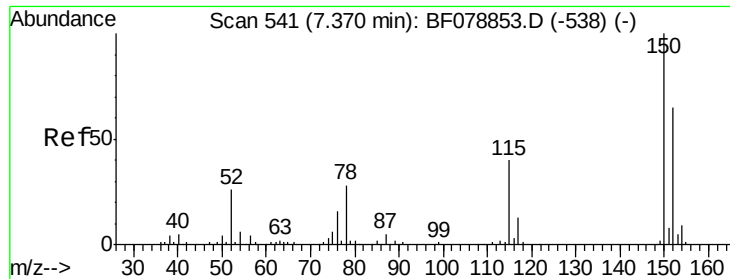
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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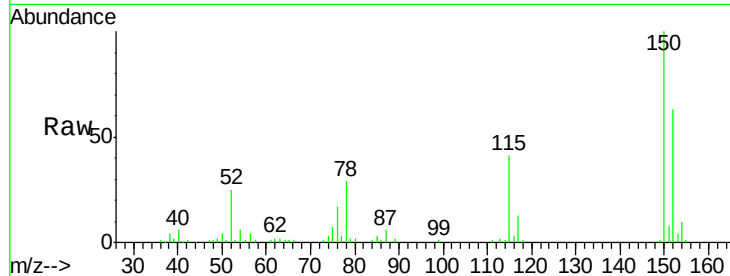




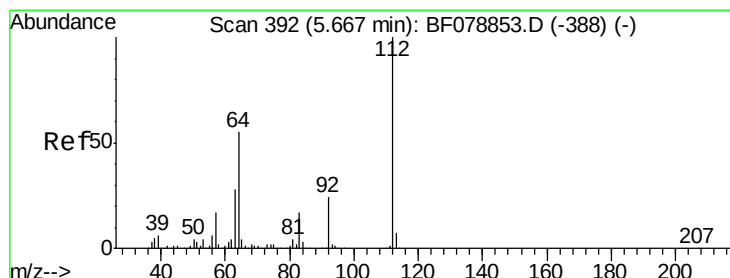
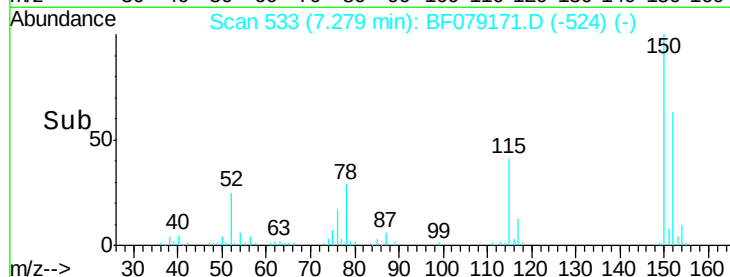
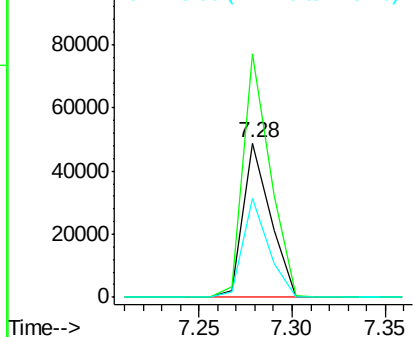
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.28 min Scan# 533
 Delta R.T. 0.00 min
 Lab File: BF079171.D
 Acq: 12 May 2015 21:40

Instrument :
 BNA_F
 ClientSampleId :
 COMP-H

Tgt Ion:152 Resp: 49664
 Ion Ratio Lower Upper
 152 100
 150 157.6 122.0 183.0
 115 63.8 46.3 69.5

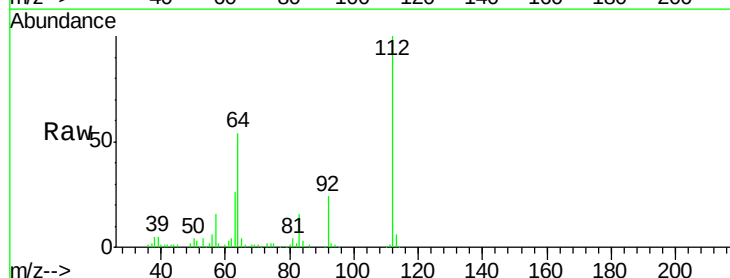


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

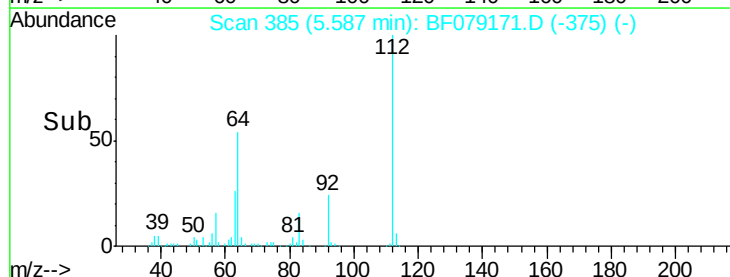
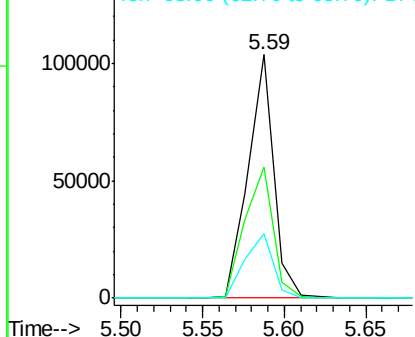


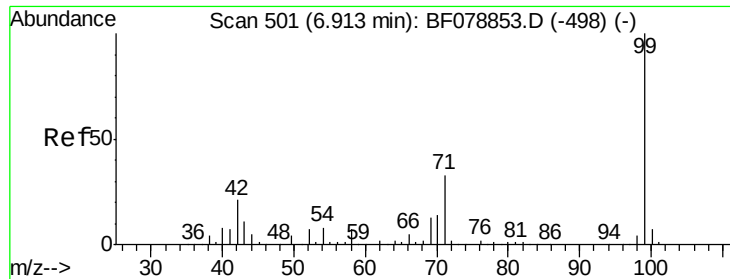
#5
 2-Fluorophenol
 Concen: 39.30 ng
 RT: 5.59 min Scan# 385
 Delta R.T. 0.01 min
 Lab File: BF079171.D
 Acq: 12 May 2015 21:40

Tgt Ion:112 Resp: 113394
 Ion Ratio Lower Upper
 112 100
 64 53.8 53.5 80.3
 63 26.2 27.5 41.3#



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: 46.99 ng

RT: 6.84 min Scan# 495

Delta R.T. 0.00 min

Lab File: BF079171.D

Acq: 12 May 2015 21:40

Instrument :

BNA_F

ClientSampleId :

COMP-H

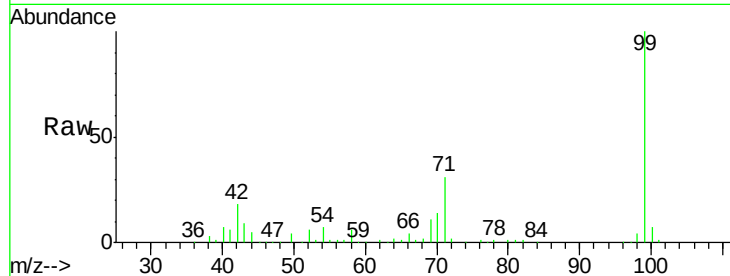
Tgt Ion: 99 Resp: 179193

Ion Ratio Lower Upper

99 100

42 17.9 12.8 19.2

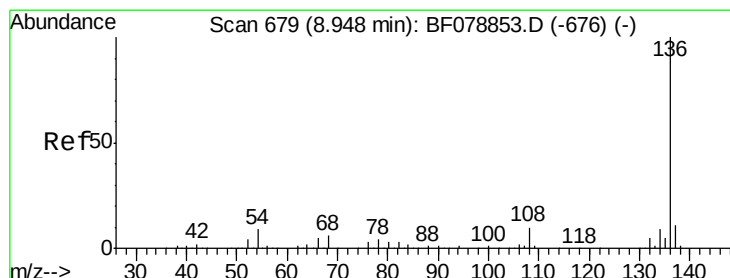
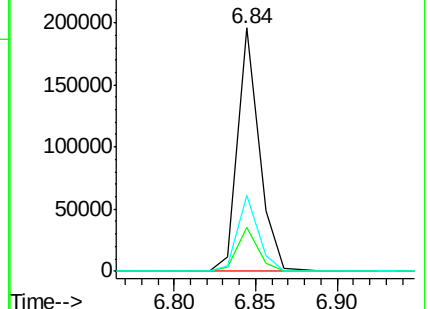
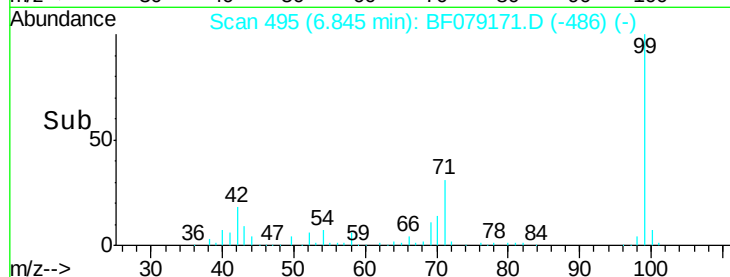
71 31.0 23.4 35.2



Abundance Ion 99.00 (98.70 to 99.70): BF079171.D (-486) (-)

Ion 42.00 (41.70 to 42.70): BF079171.D (-486) (-)

Ion 71.00 (70.70 to 71.70): BF079171.D (-486) (-)



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.86 min Scan# 671

Delta R.T. 0.00 min

Lab File: BF079171.D

Acq: 12 May 2015 21:40

Tgt Ion: 136 Resp: 209858

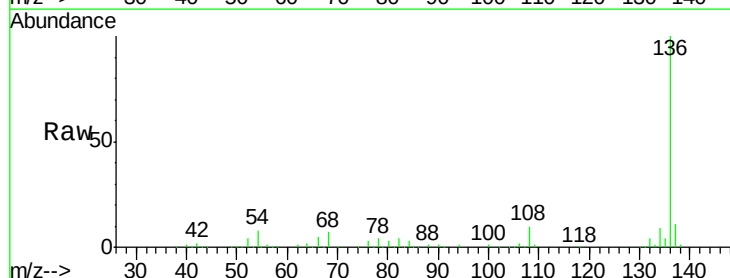
Ion Ratio Lower Upper

136 100

137 10.8 8.7 13.1

54 8.2 5.8 8.8

68 6.8 4.2 6.4#

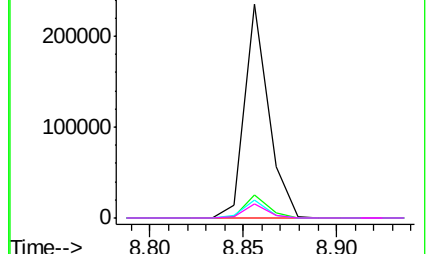
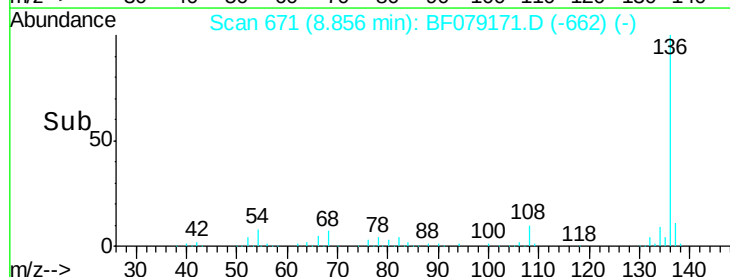


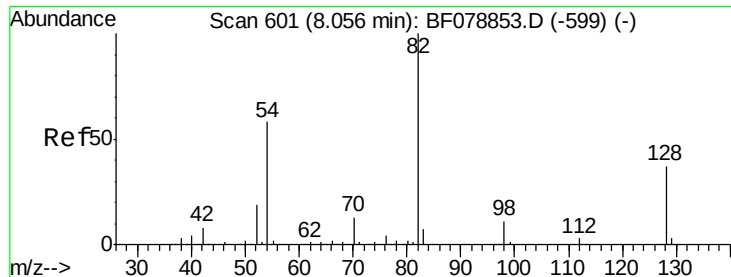
Abundance Ion 136.00 (135.70 to 136.70): BF079171.D (-662) (-)

Ion 137.00 (136.70 to 137.70): BF079171.D (-662) (-)

Ion 54.00 (53.70 to 54.70): BF079171.D (-662) (-)

Ion 68.00 (67.70 to 68.70): BF079171.D (-662) (-)

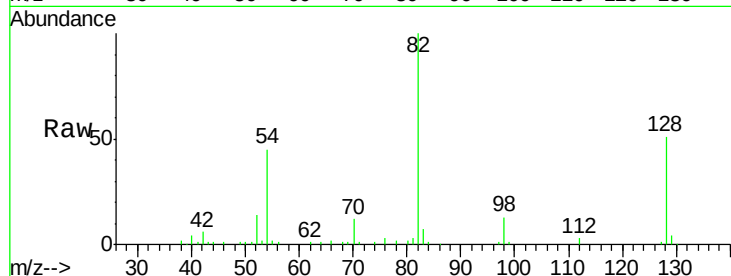




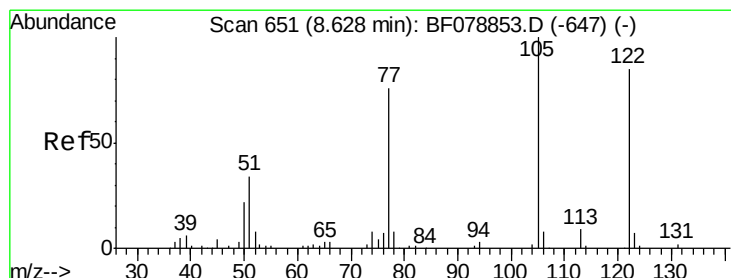
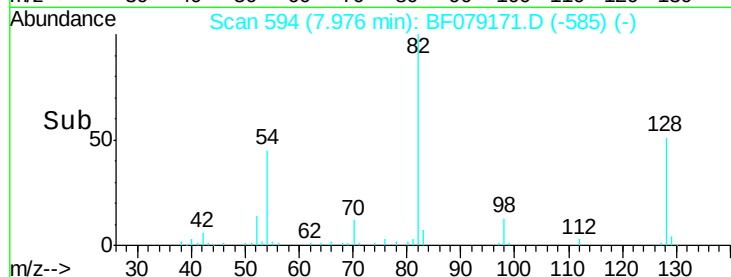
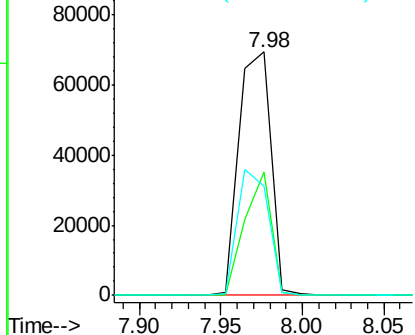
#23
 Nitrobenzene-d5
 Concen: 25.73 ng
 RT: 7.98 min Scan# 594
 Delta R.T. 0.00 min
 Lab File: BF079171.D
 Acq: 12 May 2015 21:40

Instrument :
 BNA_F
 ClientSampleId :
 COMP-H

Tgt Ion: 82 Resp: 93957
 Ion Ratio Lower Upper
 82 100
 128 50.6 30.0 45.0#
 54 44.8 46.4 69.6#

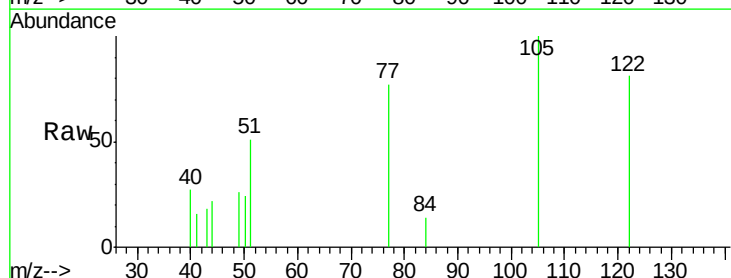


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

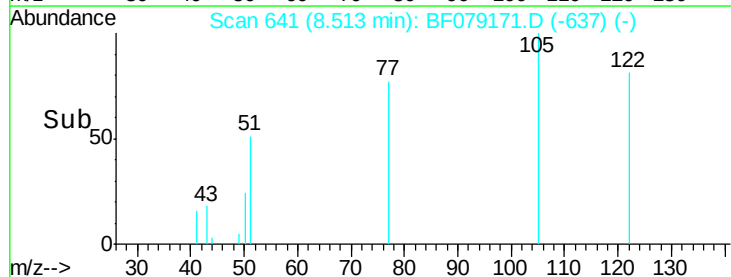
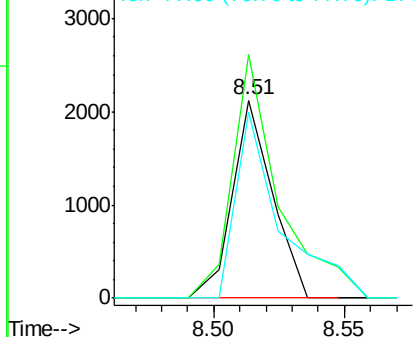


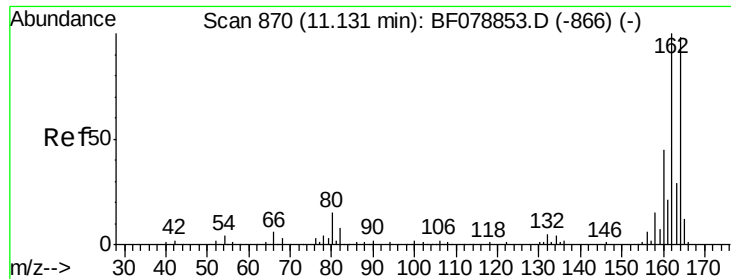
#32
 Benzoic acid
 Concen: 7.37 ng
 RT: 8.51 min Scan# 641
 Delta R.T. -0.06 min
 Lab File: BF079171.D
 Acq: 12 May 2015 21:40

Tgt Ion: 122 Resp: 2283
 Ion Ratio Lower Upper
 122 100
 105 123.1 107.1 147.1
 77 94.3 73.9 113.9



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): BF0

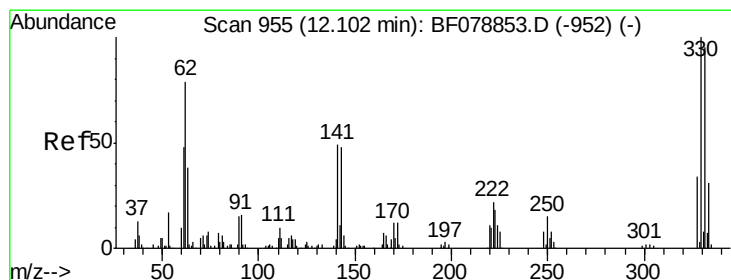
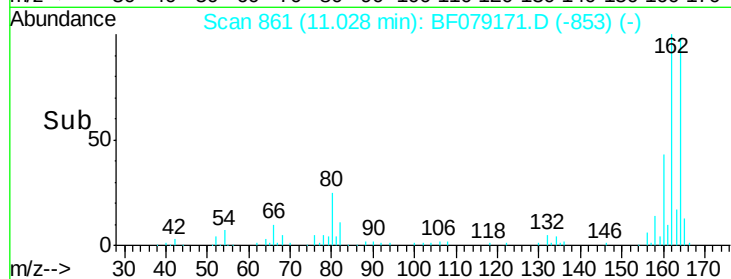
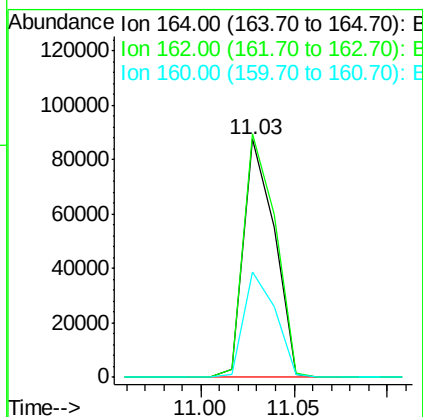
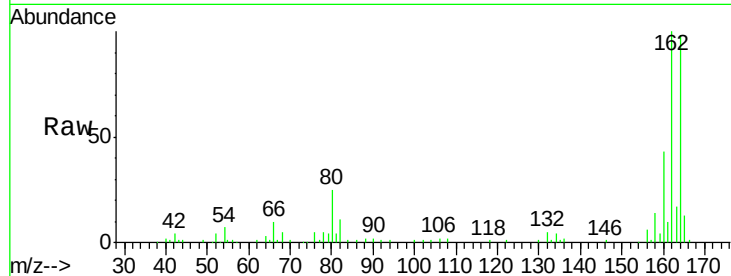




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 11.03 min Scan# 861
 Delta R.T. -0.01 min
 Lab File: BF079171.D
 Acq: 12 May 2015 21:40

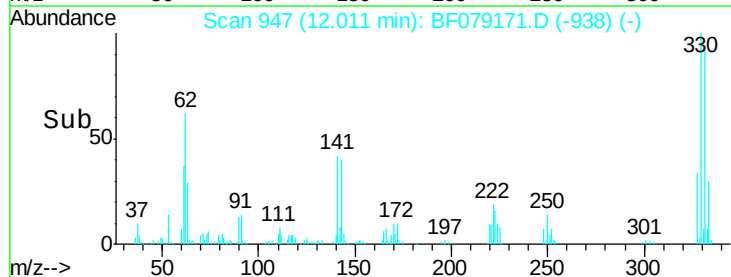
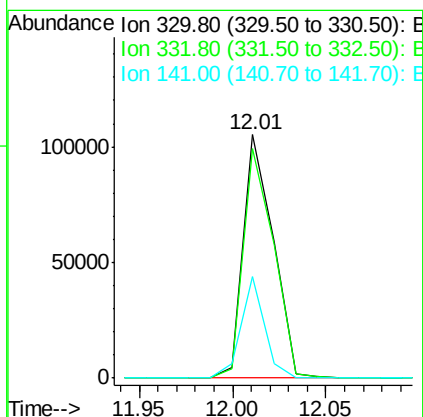
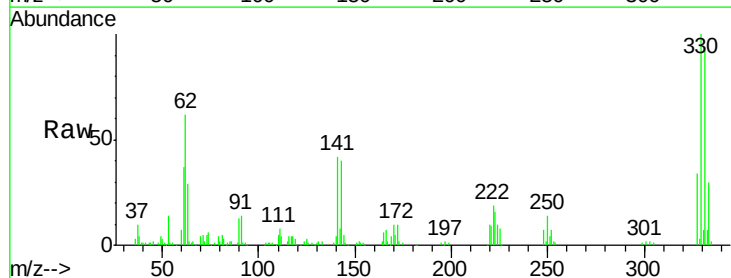
Instrument :
 BNA_F
 ClientSampleId :
 COMP-H

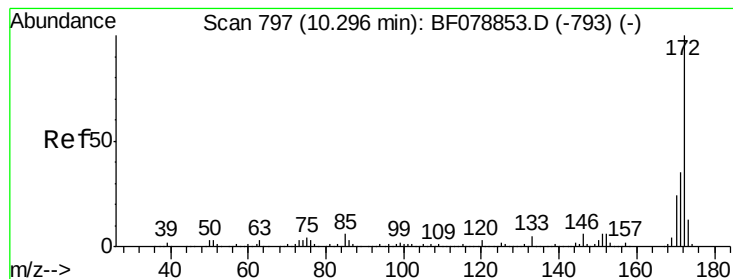
Tgt Ion:164 Resp: 100907
 Ion Ratio Lower Upper
 164 100
 162 102.2 82.7 124.1
 160 44.1 35.8 53.8



#41
 2,4,6-Tribromophenol
 Concen: 107.81 ng
 RT: 12.01 min Scan# 947
 Delta R.T. 0.00 min
 Lab File: BF079171.D
 Acq: 12 May 2015 21:40

Tgt Ion:330 Resp: 117693
 Ion Ratio Lower Upper
 330 100
 332 95.3 0.0 0.0#
 141 33.3 0.0 0.0#





#44

2-Fluorobiphenyl

Concen: 43.53 ng

RT: 10.20 min Scan# 789

Delta R.T. 0.00 min

Lab File: BF079171.D

Acq: 12 May 2015 21:40

Instrument :

BNA_F

ClientSampleId :

COMP-H

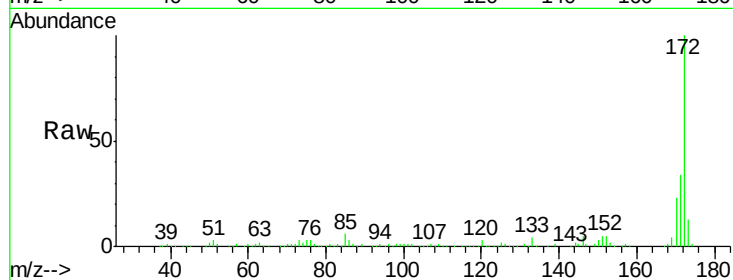
Tgt Ion:172 Resp: 315287

Ion Ratio Lower Upper

172 100

171 34.2 27.9 41.9

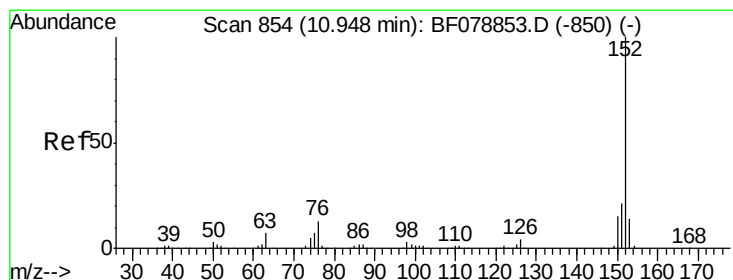
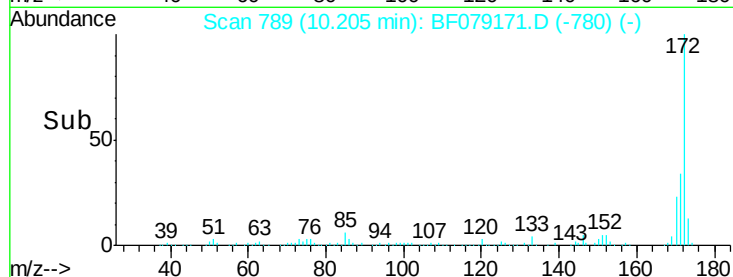
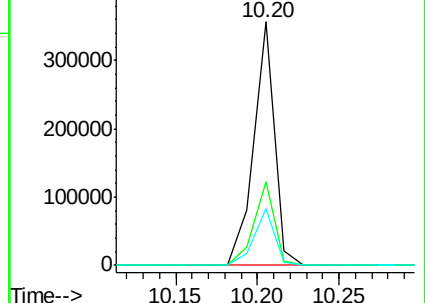
170 23.5 19.4 29.0



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



#48

Acenaphthylene

Concen: 2.09 ng

RT: 10.86 min Scan# 846

Delta R.T. 0.00 min

Lab File: BF079171.D

Acq: 12 May 2015 21:40

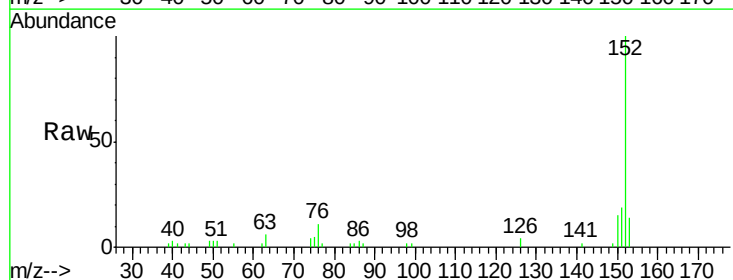
Tgt Ion:152 Resp: 21484

Ion Ratio Lower Upper

152 100

151 18.6 16.2 24.4

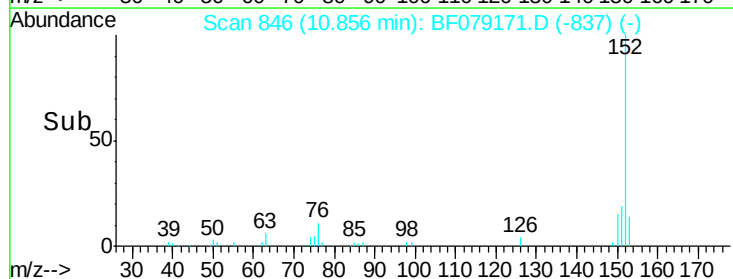
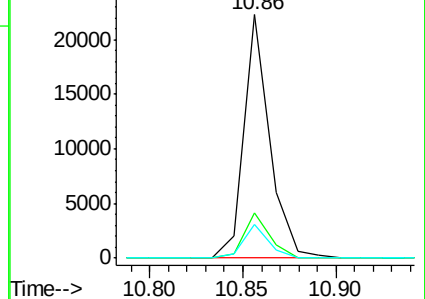
153 13.9 10.9 16.3

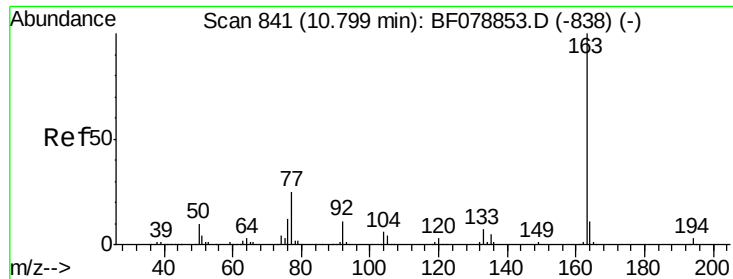


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

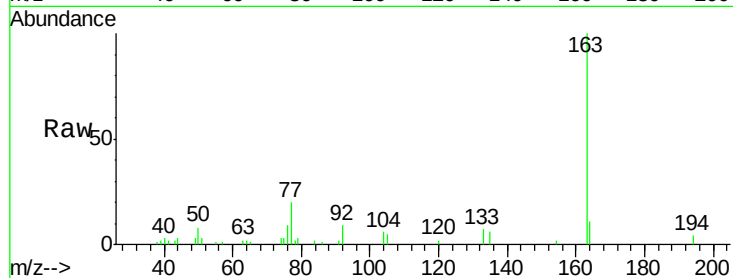




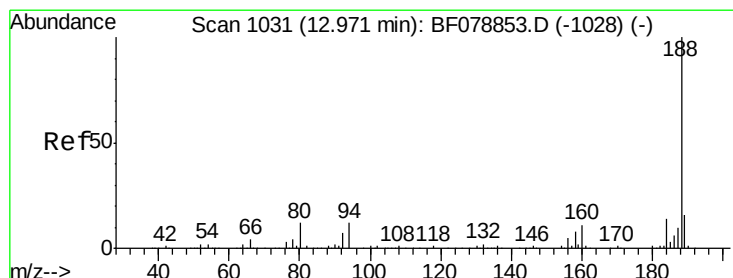
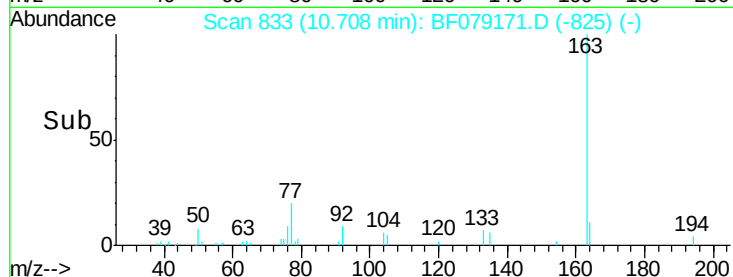
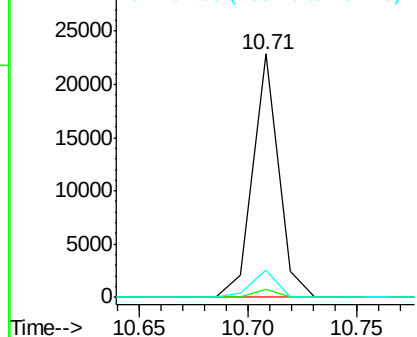
#49
Dimethylphthalate
Concen: 2.54 ng
RT: 10.71 min Scan# 833
Delta R.T. -0.01 min
Lab File: BF079171.D
Acq: 12 May 2015 21:40

Instrument :
BNA_F
ClientSampleId :
COMP-H

Tgt Ion:163 Resp: 18801
Ion Ratio Lower Upper
163 100
194 3.5 2.6 4.0
164 11.2 8.1 12.1

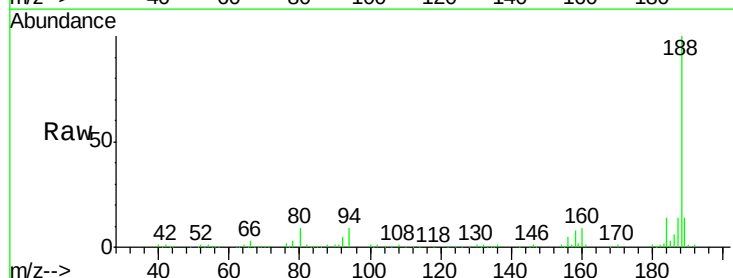


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

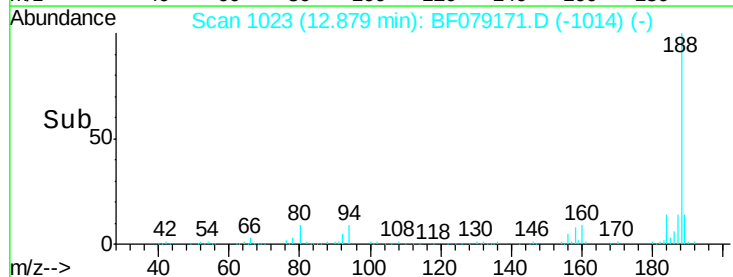
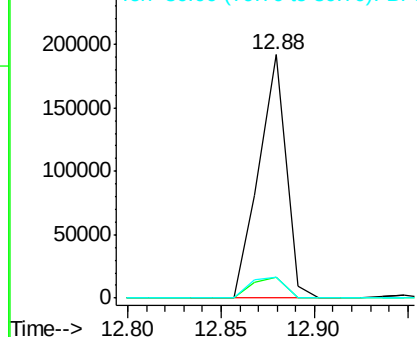


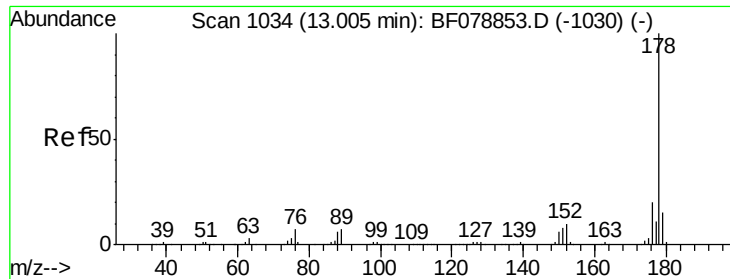
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.88 min Scan# 1023
Delta R.T. 0.00 min
Lab File: BF079171.D
Acq: 12 May 2015 21:40

Tgt Ion:188 Resp: 194438
Ion Ratio Lower Upper
188 100
94 8.6 8.2 12.2
80 8.6 8.9 13.3#



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





#70

Phenanthrene

Concen: 3.77 ng

RT: 12.90 min Scan# 1025

Delta R.T. 0.00 min

Lab File: BF079171.D

Acq: 12 May 2015 21:40

Instrument :

BNA_F

ClientSampleId :

COMP-H

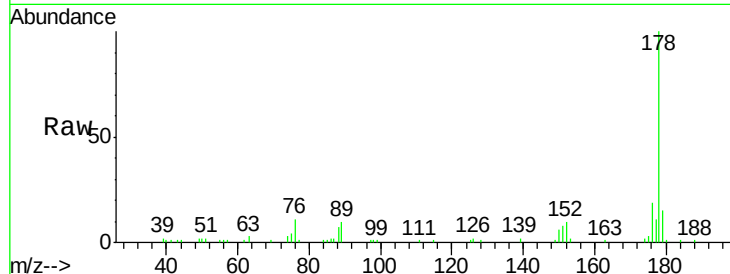
Tgt Ion:178 Resp: 40971

Ion Ratio Lower Upper

178 100

176 19.3 15.8 23.8

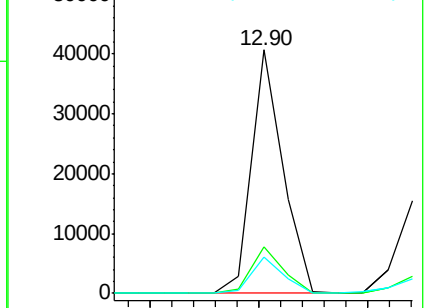
179 15.0 12.5 18.7



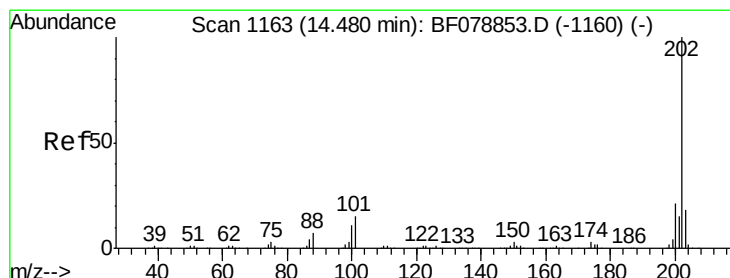
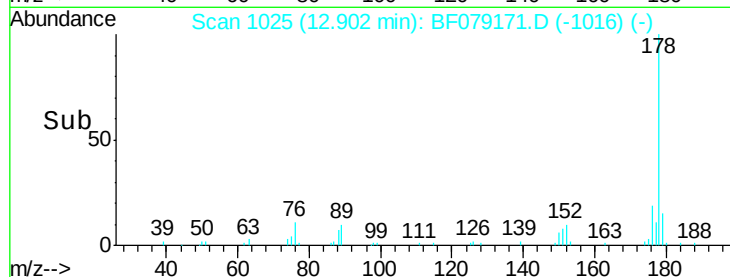
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#74

Fluoranthene

Concen: 8.55 ng

RT: 14.39 min Scan# 1155

Delta R.T. 0.00 min

Lab File: BF079171.D

Acq: 12 May 2015 21:40

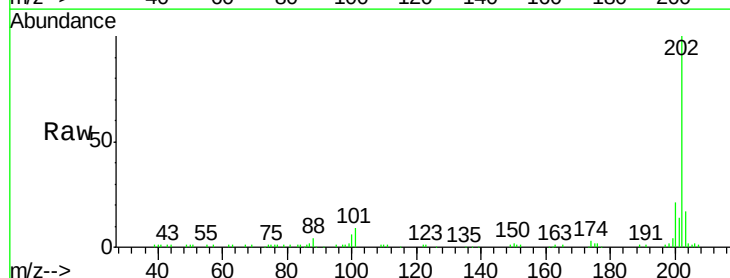
Tgt Ion:202 Resp: 96936

Ion Ratio Lower Upper

202 100

101 9.1 0.0 34.6

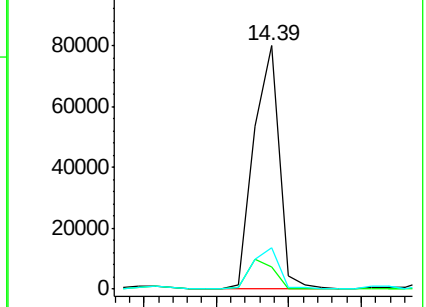
203 16.9 0.0 38.4



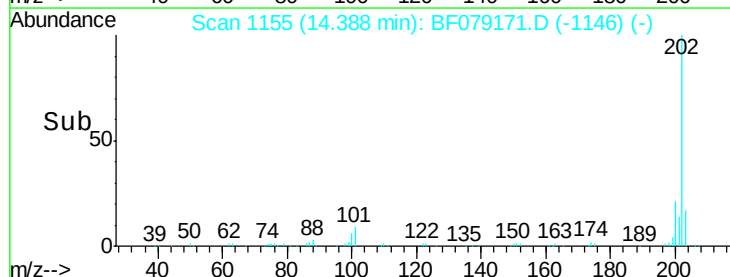
Abundance Ion 202.00 (201.70 to 202.70): E

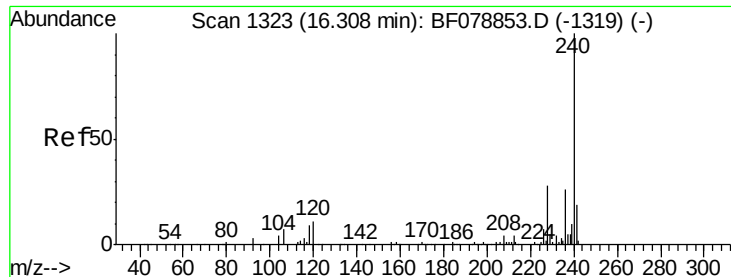
Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->

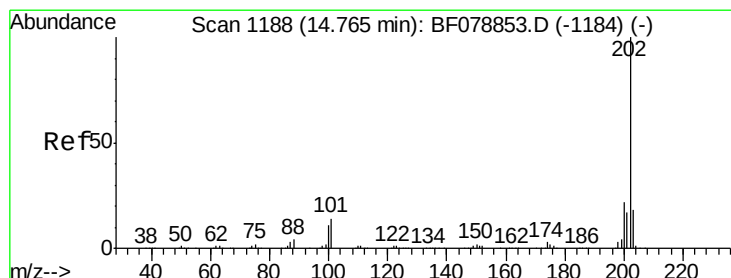
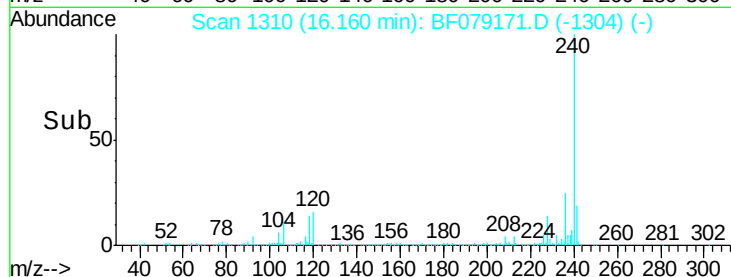
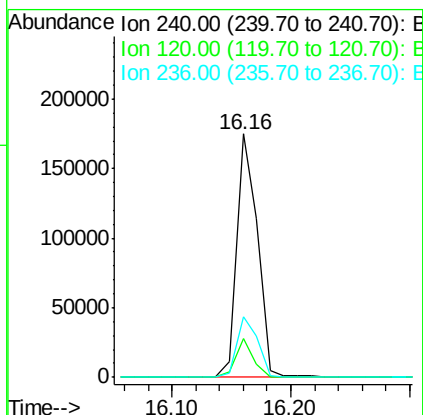
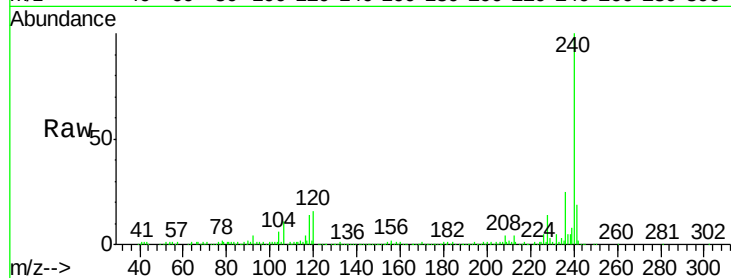




#75
Chrysene-d12
Concen: 20.00 ng
RT: 16.16 min Scan# 1310
Delta R.T. -0.03 min
Lab File: BF079171.D
Acq: 12 May 2015 21:40

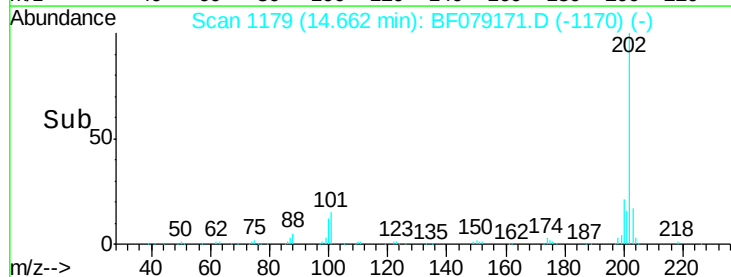
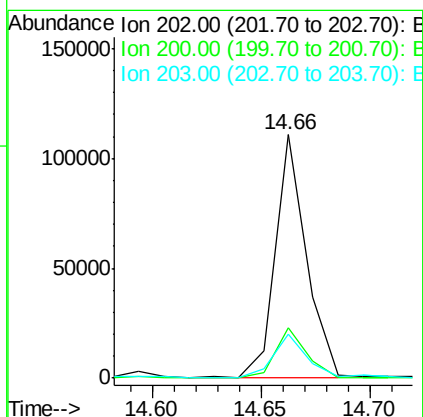
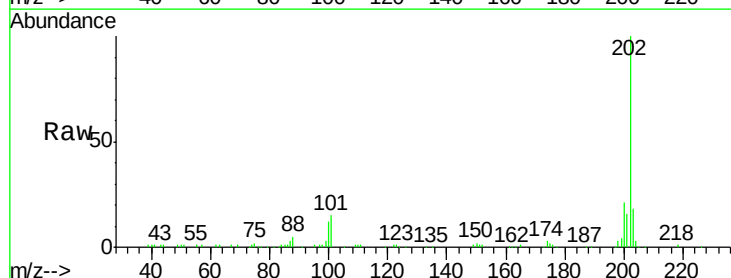
Instrument :
BNA_F
ClientSampleId :
COMP-H

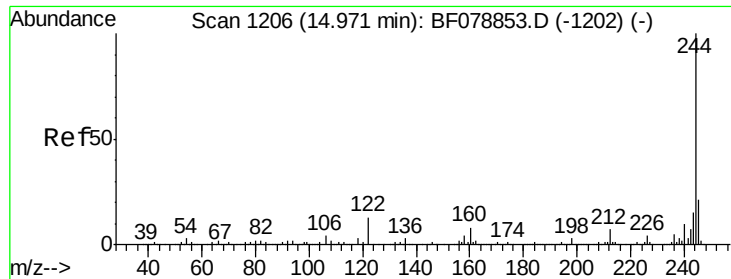
Tgt Ion:240 Resp: 213237
Ion Ratio Lower Upper
240 100
120 15.7 9.7 14.5#
236 25.1 20.2 30.4



#77
Pyrene
Concen: 8.94 ng
RT: 14.66 min Scan# 1179
Delta R.T. 0.00 min
Lab File: BF079171.D
Acq: 12 May 2015 21:40

Tgt Ion:202 Resp: 109834
Ion Ratio Lower Upper
202 100
200 20.5 17.5 26.3
203 17.8 13.9 20.9

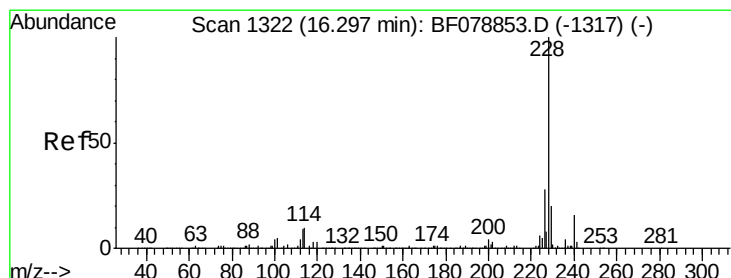
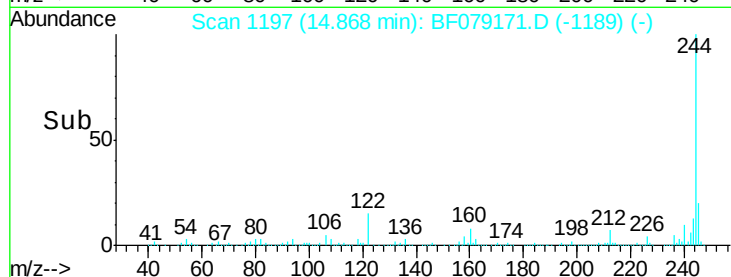
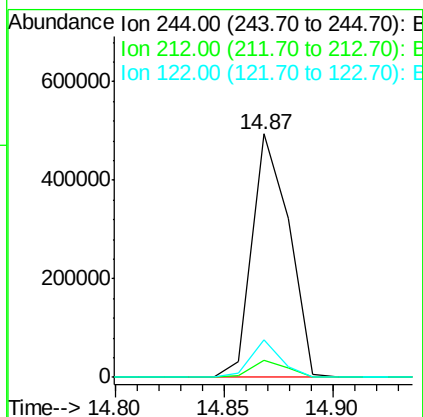
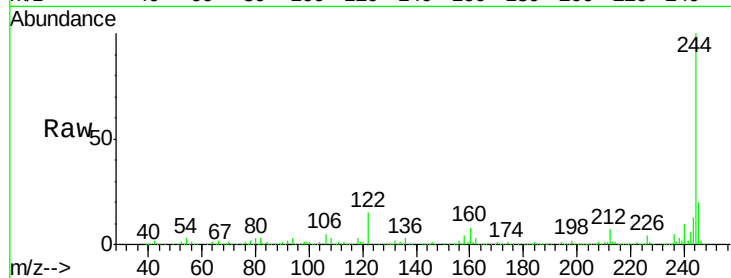




#78
 Terphenyl-d14
 Concen: 65.78 ng
 RT: 14.87 min Scan# 1197
 Delta R.T. -0.01 min
 Lab File: BF079171.D
 Acq: 12 May 2015 21:40

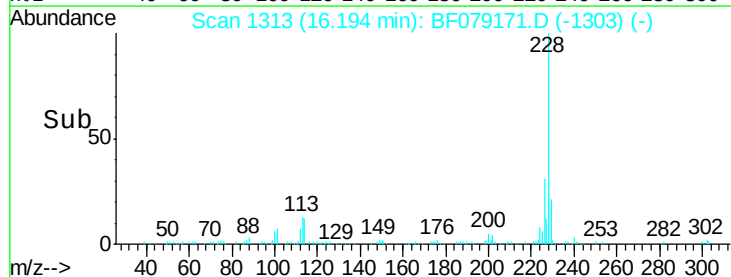
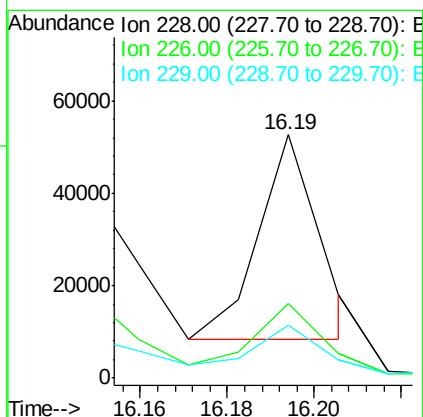
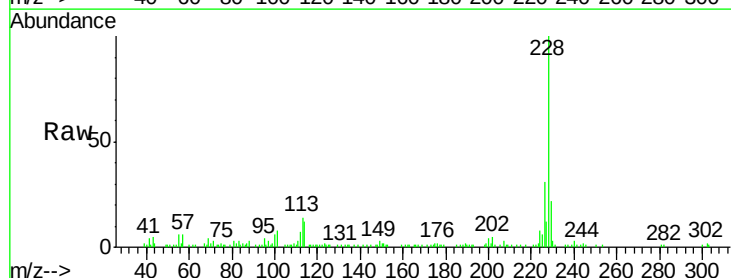
Instrument :
 BNA_F
 ClientSampleId :
 COMP-H

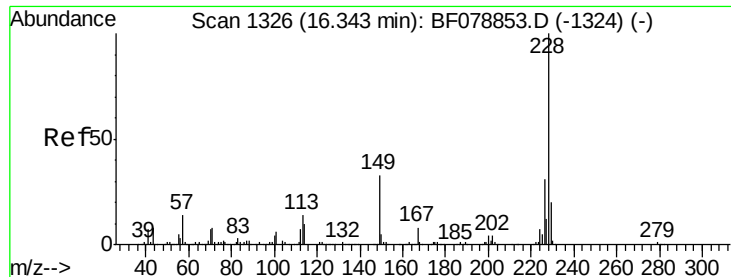
Tgt Ion:244 Resp: 585913
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.6 8.4
 122 15.5 10.3 15.5#



#80
 Benzo(a)anthracene
 Concen: 3.66 ng
 RT: 16.19 min Scan# 1313
 Delta R.T. 0.01 min
 Lab File: BF079171.D
 Acq: 12 May 2015 21:40

Tgt Ion:228 Resp: 42763
 Ion Ratio Lower Upper
 228 100
 226 30.9 22.6 33.8
 229 21.8 15.9 23.9





#82

Chrysene

Concen: 5.37 ng

RT: 16.19 min Scan# 1313

Delta R.T. -0.03 min

Lab File: BF079171.D

Acq: 12 May 2015 21:40

Instrument :

BNA_F

ClientSampleId :

COMP-H

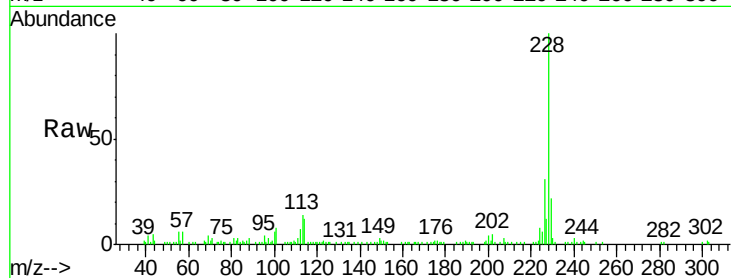
Tgt Ion:228 Resp: 60331

Ion Ratio Lower Upper

228 100

226 30.9 24.9 37.3

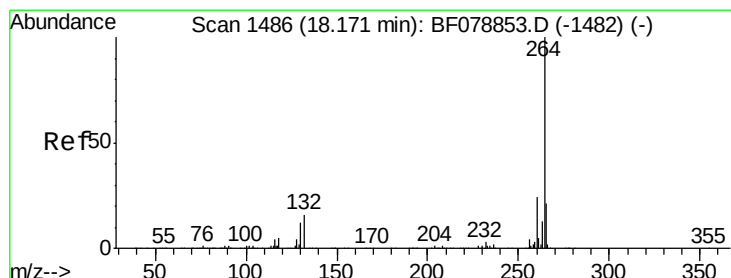
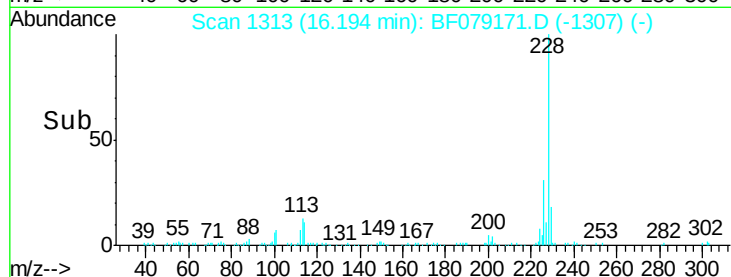
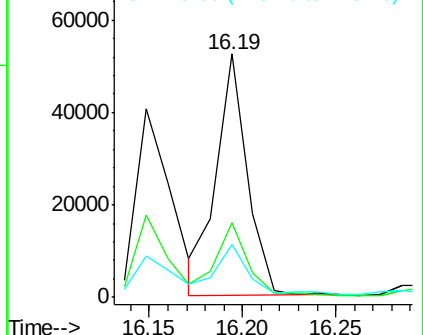
229 21.8 16.0 24.0



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: 20.00 ng

RT: 17.86 min Scan# 1459

Delta R.T. -0.16 min

Lab File: BF079171.D

Acq: 12 May 2015 21:40

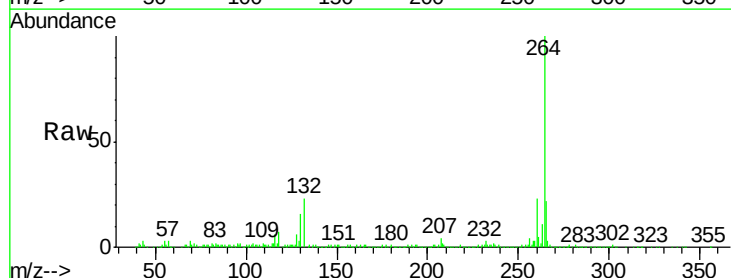
Tgt Ion:264 Resp: 227780

Ion Ratio Lower Upper

264 100

260 23.4 19.4 29.2

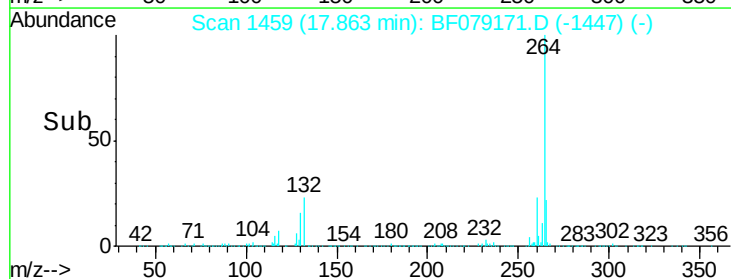
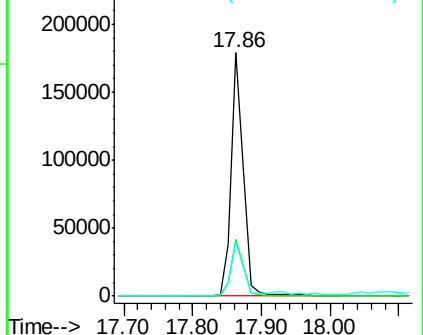
265 22.5 18.3 27.5

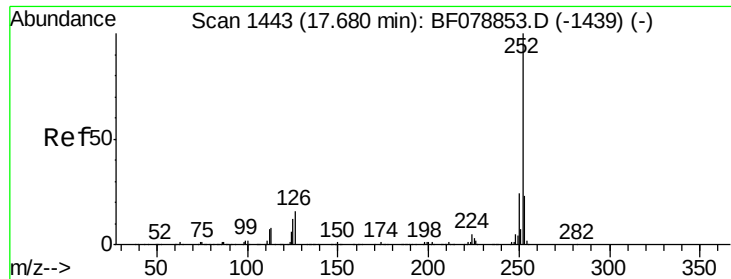


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

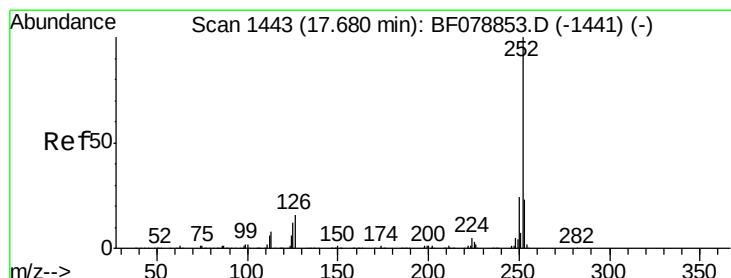
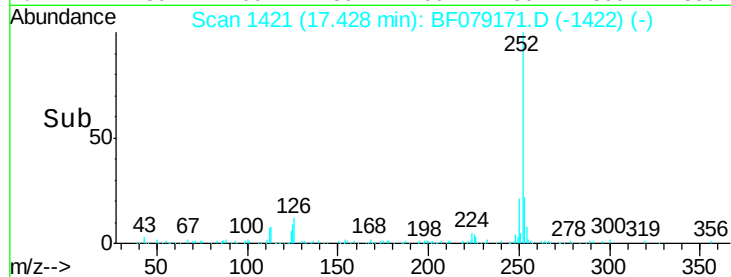
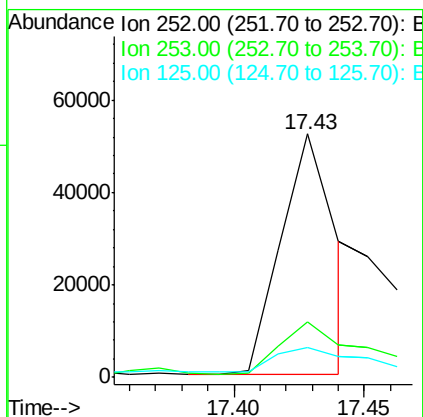
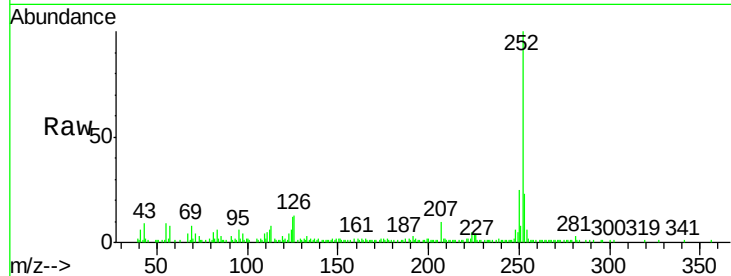




#87
Benzo(b)fluoranthene
Concen: 5.98 ng
RT: 17.43 min Scan# 1421
Delta R.T. -0.11 min
Lab File: BF079171.D
Acq: 12 May 2015 21:40

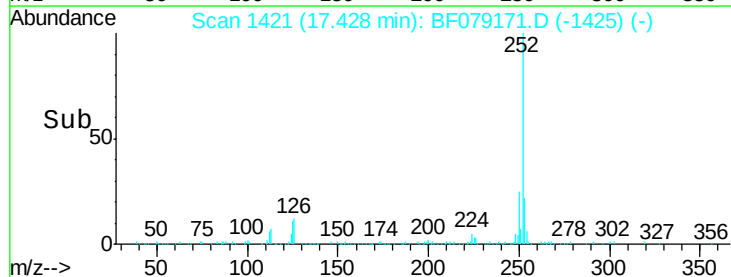
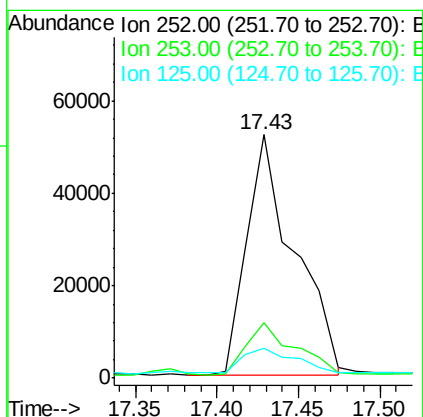
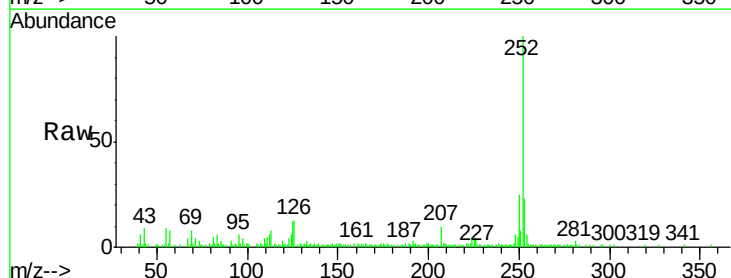
Instrument :
BNA_F
ClientSampleId :
COMP-H

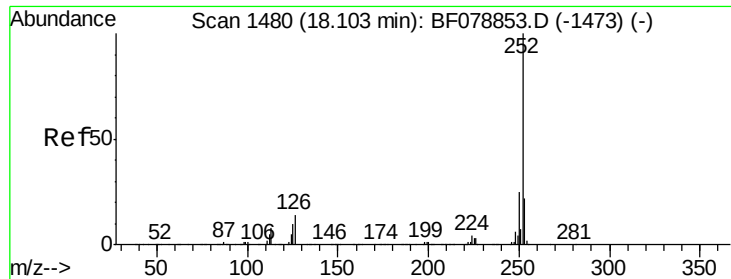
Tgt Ion:252 Resp: 74575
Ion Ratio Lower Upper
252 100
253 23.0 17.7 26.5
125 12.4 9.5 14.3



#88
Benzo(k)fluoranthene
Concen: 8.76 ng
RT: 17.43 min Scan# 1421
Delta R.T. -0.15 min
Lab File: BF079171.D
Acq: 12 May 2015 21:40

Tgt Ion:252 Resp: 105739
Ion Ratio Lower Upper
252 100
253 23.0 18.1 27.1
125 12.4 10.0 15.0





#89

Benzo(a)pyrene

Concen: 4.77 ng

RT: 17.79 min Scan# 1453

Delta R.T. -0.16 min

Lab File: BF079171.D

Acq: 12 May 2015 21:40

Instrument :

BNA_F

ClientSampleId :

COMP-H

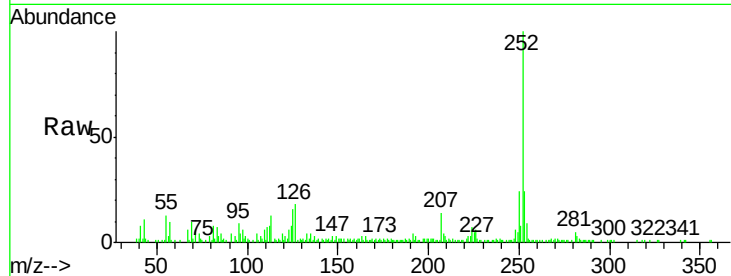
Tgt Ion:252 Resp: 54793

Ion Ratio Lower Upper

252 100

253 24.2 17.3 25.9

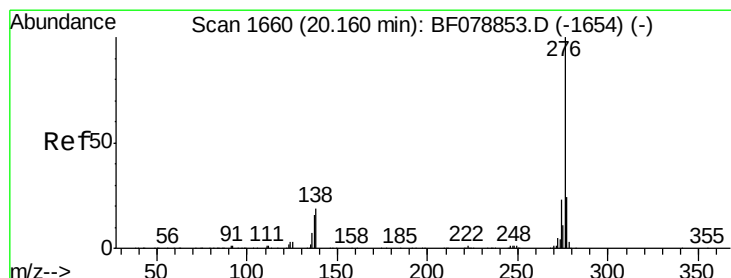
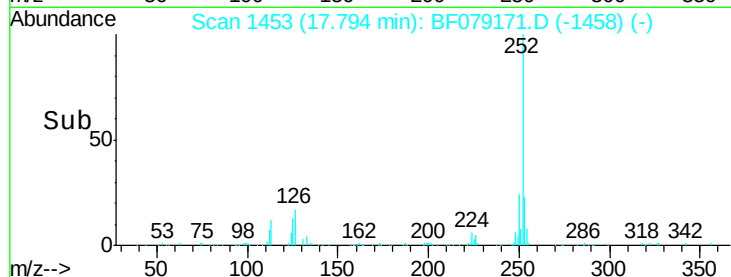
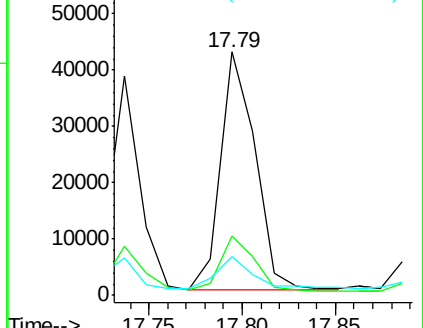
125 15.8 7.0 10.6#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91

Benzo(g,h,i)perylene

Concen: 3.28 ng

RT: 19.74 min Scan# 1623

Delta R.T. -0.19 min

Lab File: BF079171.D

Acq: 12 May 2015 21:40

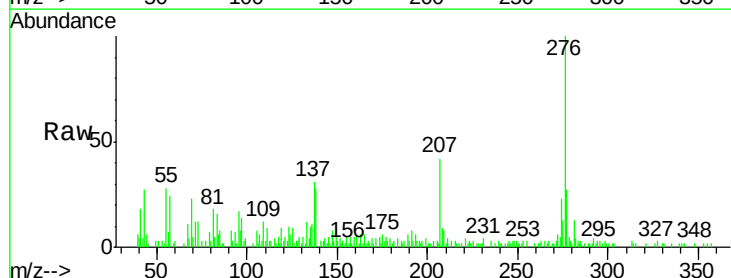
Tgt Ion:276 Resp: 40054

Ion Ratio Lower Upper

276 100

277 27.2 18.6 28.0

138 27.6 17.4 26.0#



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

