

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052215\
 Data File : BF079471.D
 Acq On : 23 May 2015 12:13
 Operator : TP/IZ
 Sample : G2359-01
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-28D

Quant Time: May 25 07:03:03 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 25 06:56:43 2015
 Response via : Initial Calibration

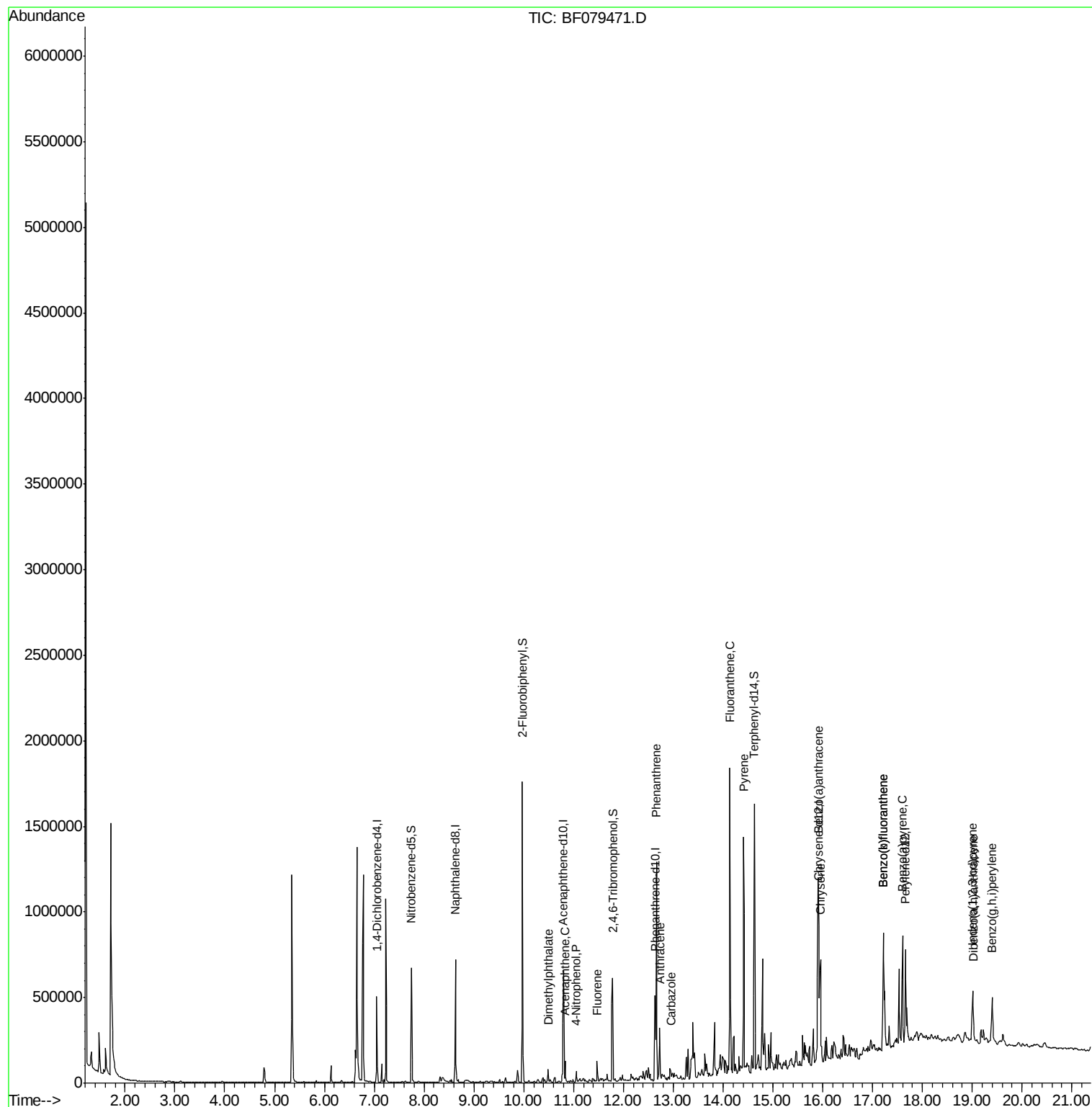
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.05	152	76573	20.00	ng	0.00
21) Naphthalene-d8	8.63	136	314722	20.00	ng	0.00
38) Acenaphthene-d10	10.80	164	149611	20.00	ng	0.00
63) Phenanthrene-d10	12.64	188	274711	20.00	ng	0.01
75) Chrysene-d12	15.92	240	282678	20.00	ng	0.01
86) Perylene-d12	17.66	264	283846	20.00	ng	0.05
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	7.75	82	207466	37.89	ng	0.00
41) 2,4,6-Tribromophenol	11.78	330	99076	61.21	ng	0.00
44) 2-Fluorobiphenyl	9.98	172	535220	49.84	ng	0.00
78) Terphenyl-d14	14.63	244	517017	43.79	ng	0.00
Target Compounds						
49) Dimethylphthalate	10.49	163	38126	3.47	ng	Qvalue # 98
51) Acenaphthene	10.83	154	27622	3.04	ng	98
55) 4-Nitrophenol	11.05	139	9404	4.39	ng	# 1
57) Fluorene	11.47	166	35997	3.34	ng	97
70) Phenanthrene	12.66	178	492475	32.04	ng	100
71) Anthracene	12.73	178	146043	9.69	ng	100
72) Carbazole	12.95	167	35178	2.45	ng	98
74) Fluoranthene	14.14	202	756177	47.22	ng	98
77) Pyrene	14.41	202	695704	42.71	ng	# 94
80) Benzo(a)anthracene	15.91	228	439280	28.38	ng	97
82) Chrysene	15.95	228	304265	20.44	ng	97
85) Indeno(1,2,3-cd)pyrene	19.01	276	204377	10.77	ng	96
87) Benzo(b)fluoranthene	17.21	252	575283	37.03	ng	99
88) Benzo(k)fluoranthene	17.21	252	575283	38.25	ng	# 95
89) Benzo(a)pyrene	17.60	252	324330	22.67	ng	99
90) Dibenzo(a,h)anthracene	19.02	278	54367	3.58	ng	# 90
91) Benzo(g,h,i)perylene	19.39	276	199810	13.11	ng	# 95

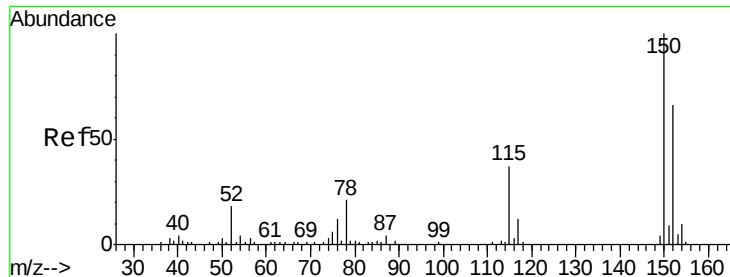
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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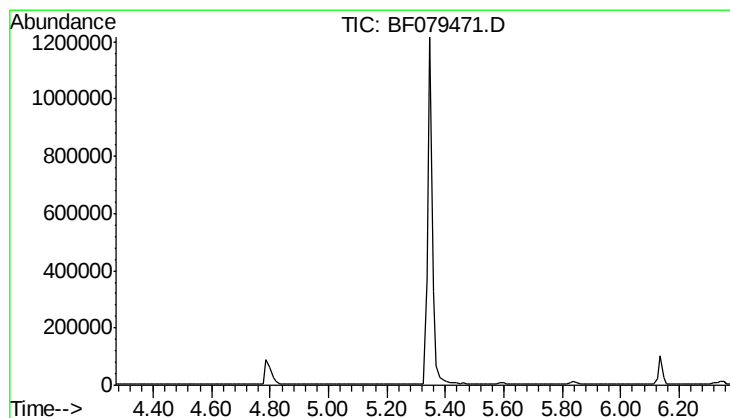
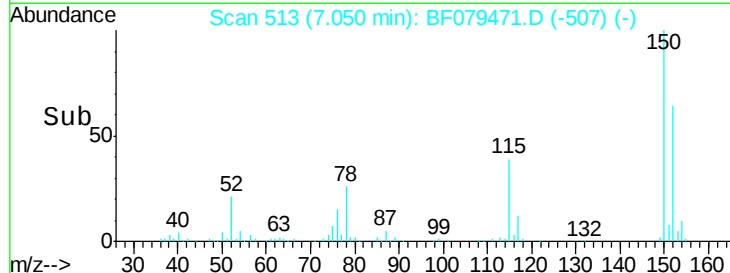
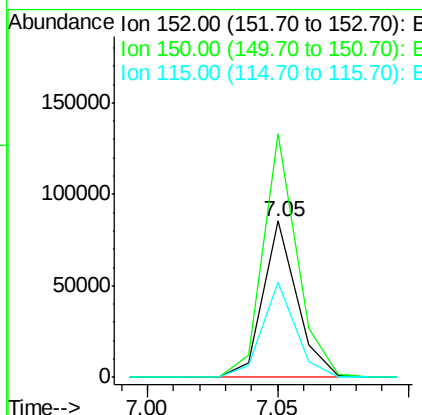
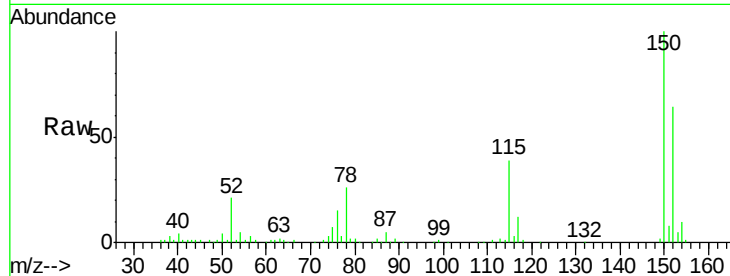




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.05 min Scan# 513
 Delta R.T. -0.00 min
 Lab File: BF079471.D
 Acq: 23 May 2015 12:13

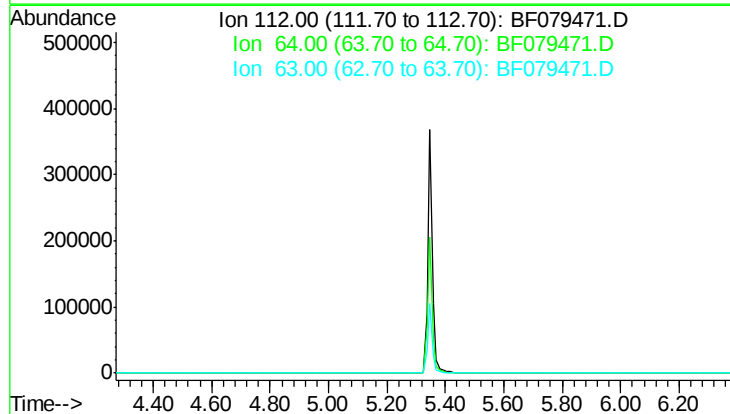
Instrument :
 BNA_F
 ClientSampleId :
 SB-28D

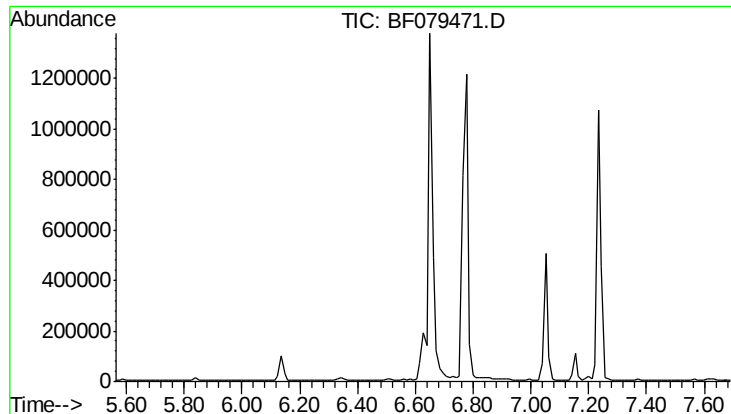
Tgt Ion: 152 Resp: 76573
 Ion Ratio Lower Upper
 152 100
 150 155.8 123.8 185.8
 115 61.1 49.4 74.0



#5
 2-Fluorophenol
 Concen: 0.00 ng
 Expected RT: 5.32 min
 Lab File: BF079471.D
 Acq: 23 May 2015 12:13

Tgt Ion: 112
 Sig Exp Ratio
 112 100
 64 55.2
 63 28.4





#7

Phenol-d6

Concen: 0.00 ng

Expected RT: 6.63 min

Lab File: BF079471.D

Acq: 23 May 2015 12:13

Instrument :

BNA_F

ClientSampleId :

SB-28D

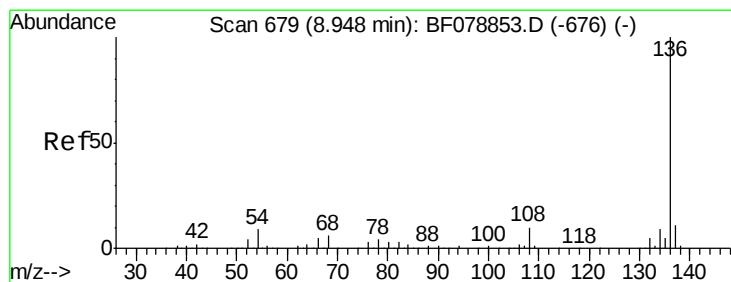
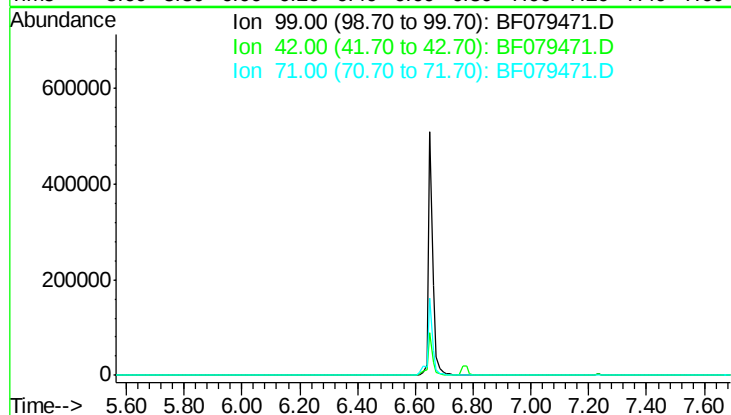
Tgt Ion: 99

Sig Exp Ratio

99 100

42 21.4

71 32.9



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.63 min Scan# 651

Delta R.T. -0.00 min

Lab File: BF079471.D

Acq: 23 May 2015 12:13

Tgt Ion:136 Resp: 314722

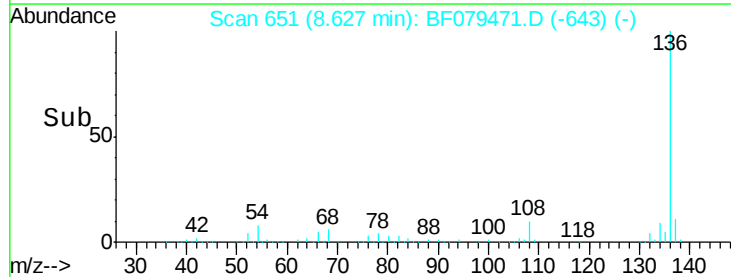
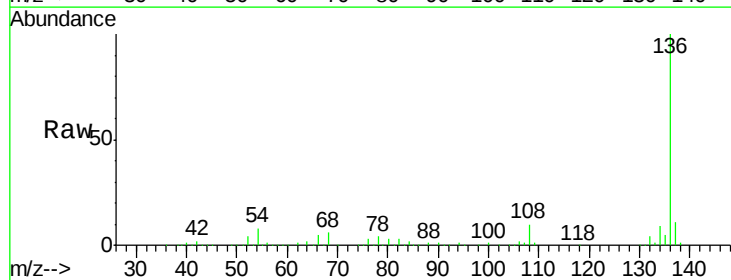
Ion Ratio Lower Upper

136 100

137 11.1 8.8 13.2

54 7.7 6.9 10.3

68 5.9 4.9 7.3

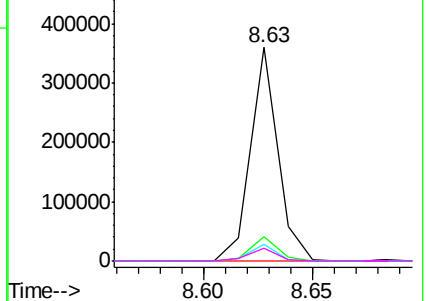


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

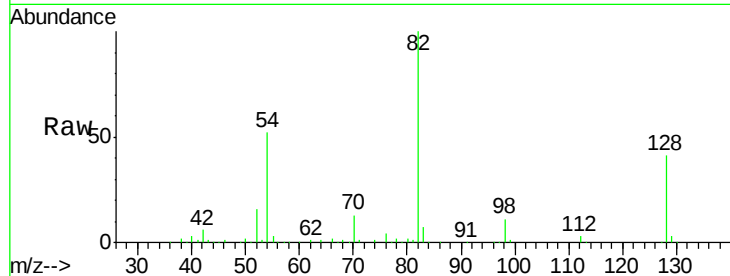




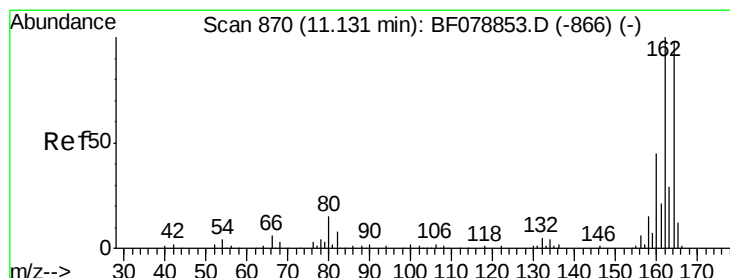
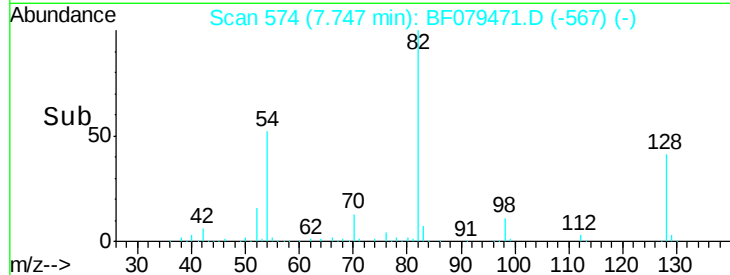
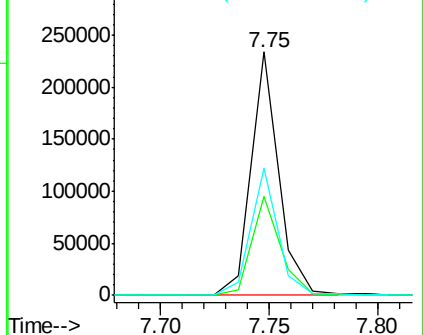
#23
 Nitrobenzene-d5
 Concen: 37.89 ng
 RT: 7.75 min Scan# 574
 Delta R.T. -0.00 min
 Lab File: BF079471.D
 Acq: 23 May 2015 12:13

Instrument :
 BNA_F
 ClientSampleId :
 SB-28D

Tgt Ion	Ratio	Lower	Upper
82	100		
128	40.6	29.7	44.5
54	52.1	46.2	69.4

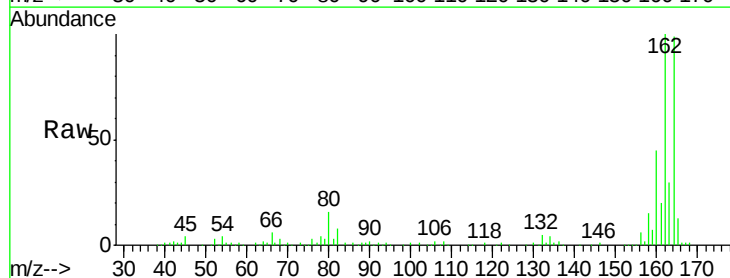


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

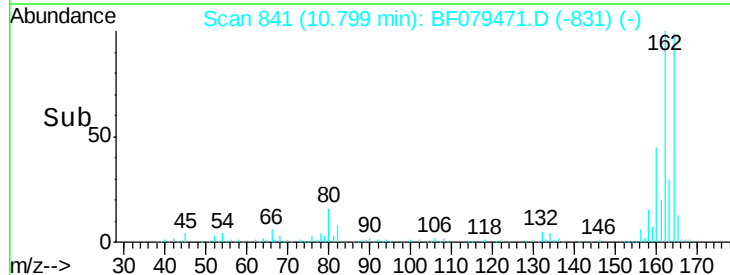
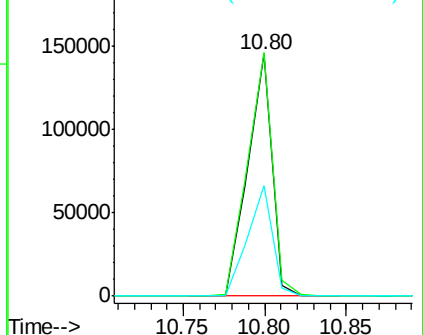


#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.80 min Scan# 841
 Delta R.T. -0.00 min
 Lab File: BF079471.D
 Acq: 23 May 2015 12:13

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.7	81.4	122.0
160	45.4	36.6	54.8



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

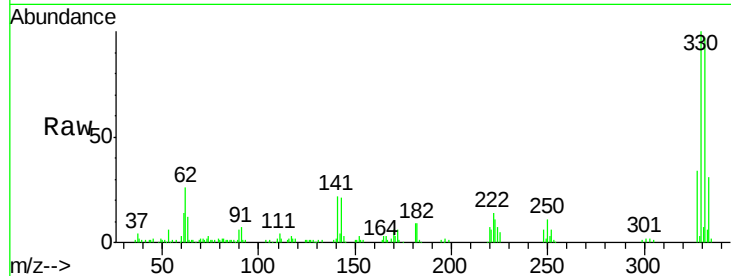




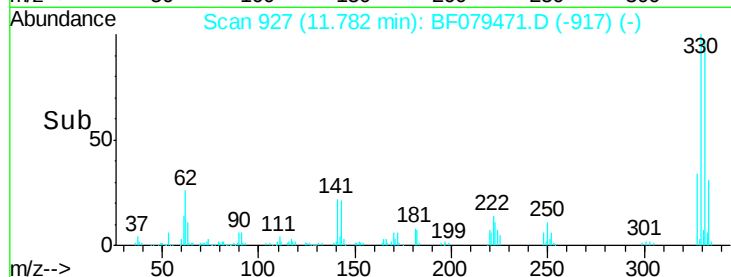
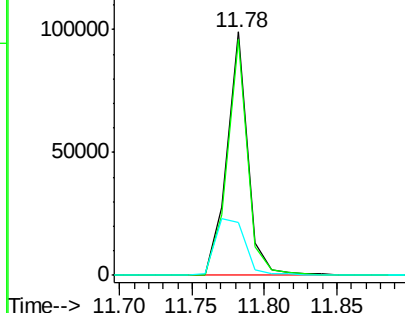
#41
 2,4,6-Tribromophenol
 Concen: 61.21 ng
 RT: 11.78 min Scan# 927
 Delta R.T. -0.00 min
 Lab File: BF079471.D
 Acq: 23 May 2015 12:13

Instrument :
 BNA_F
 ClientSampleId :
 SB-28D

Tgt Ion:330 Resp: 99076
 Ion Ratio Lower Upper
 330 100
 332 95.3 76.9 115.3
 141 34.4 27.8 41.8

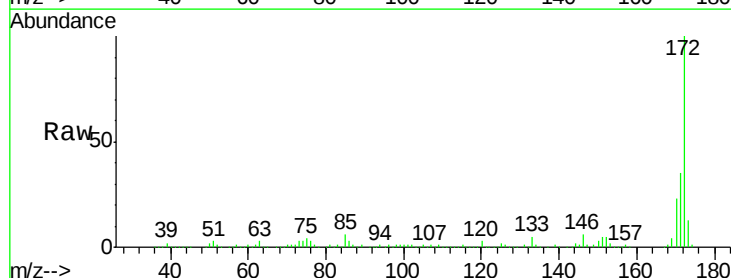


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

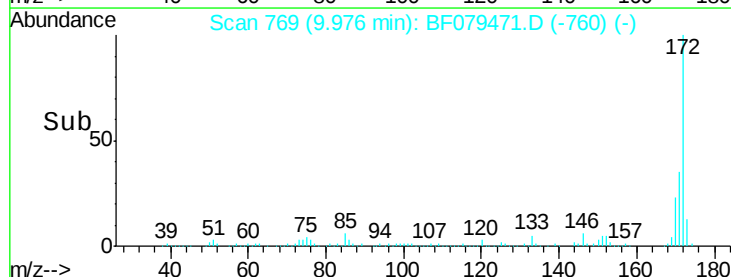
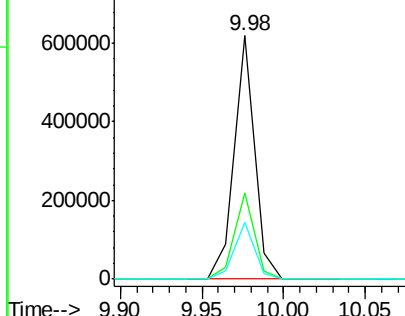


#44
 2-Fluorobiphenyl
 Concen: 49.84 ng
 RT: 9.98 min Scan# 769
 Delta R.T. -0.00 min
 Lab File: BF079471.D
 Acq: 23 May 2015 12:13

Tgt Ion:172 Resp: 535220
 Ion Ratio Lower Upper
 172 100
 171 35.2 28.3 42.5
 170 23.5 19.4 29.2



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

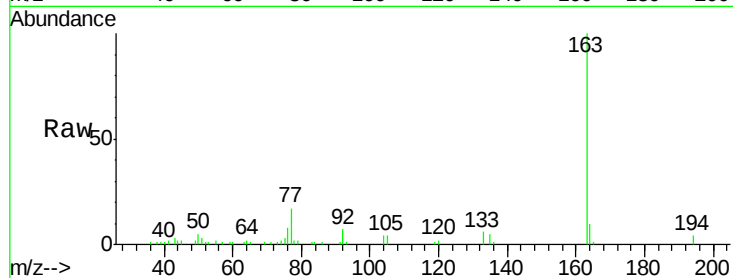




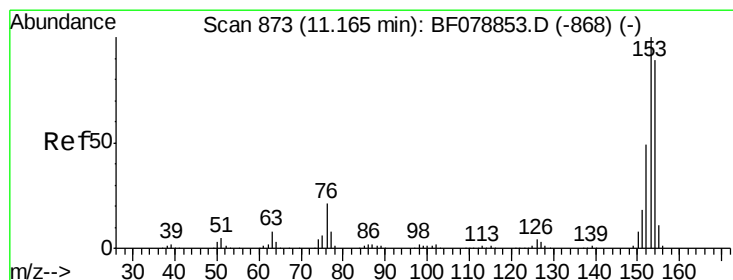
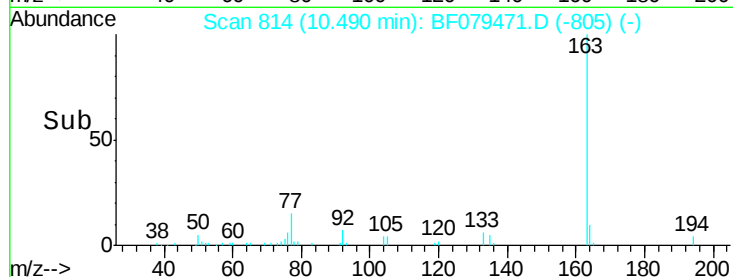
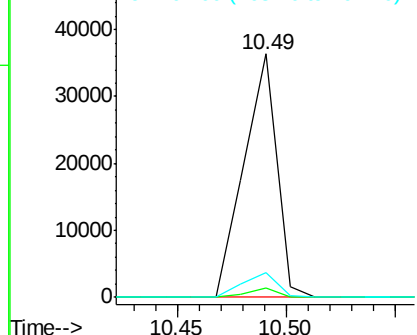
#49
Dimethylphthalate
Concen: 3.47 ng
RT: 10.49 min Scan# 814
Delta R.T. -0.00 min
Lab File: BF079471.D
Acq: 23 May 2015 12:13

Instrument :
BNA_F
ClientSampleID :
SB-28D

Tgt Ion:163 Resp: 38126
Ion Ratio Lower Upper
163 100
194 3.9 2.4 3.6#
164 10.1 8.6 12.8

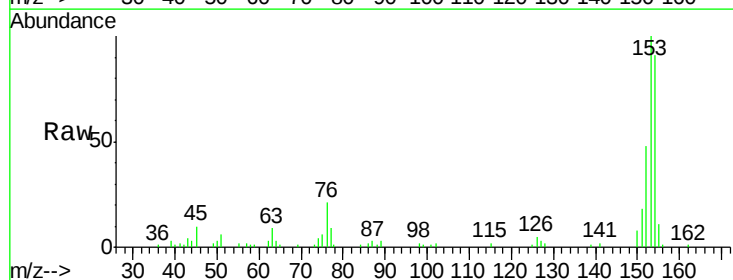


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

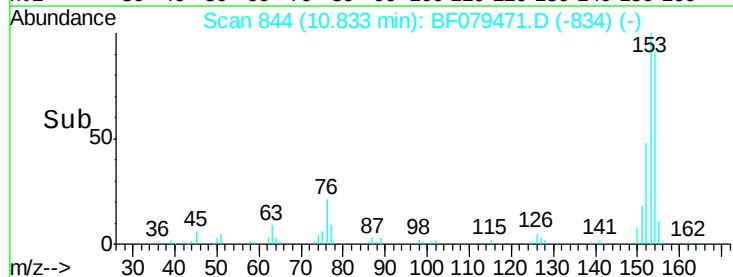
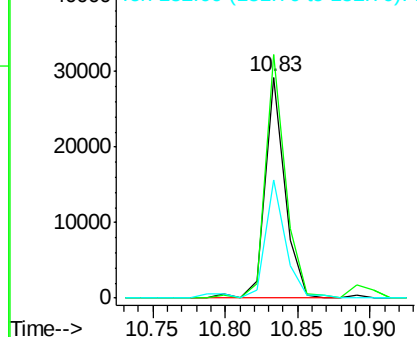


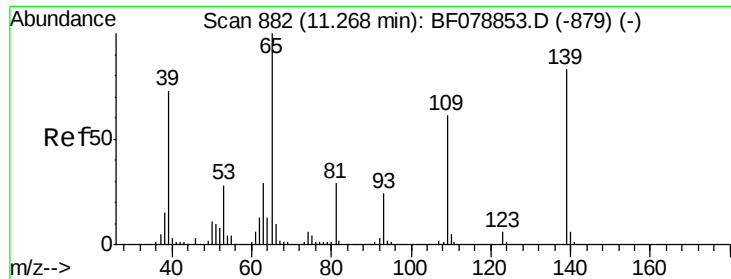
#51
Acenaphthene
Concen: 3.04 ng
RT: 10.83 min Scan# 844
Delta R.T. -0.00 min
Lab File: BF079471.D
Acq: 23 May 2015 12:13

Tgt Ion:154 Resp: 27622
Ion Ratio Lower Upper
154 100
153 110.4 90.2 135.2
152 53.5 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





#55

4-Nitrophenol

Concen: 4.39 ng

RT: 11.05 min Scan# 863

Delta R.T. 0.05 min

Lab File: BF079471.D

Acq: 23 May 2015 12:13

Instrument :

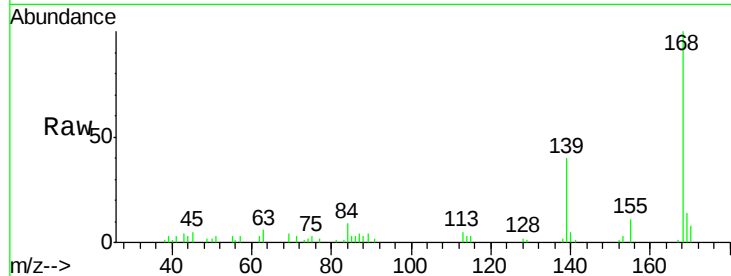
BNA_F

ClientSampled :

SB-28D

Tgt Ion:139 Resp: 9404

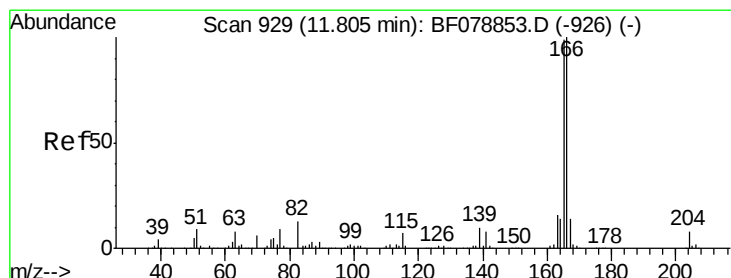
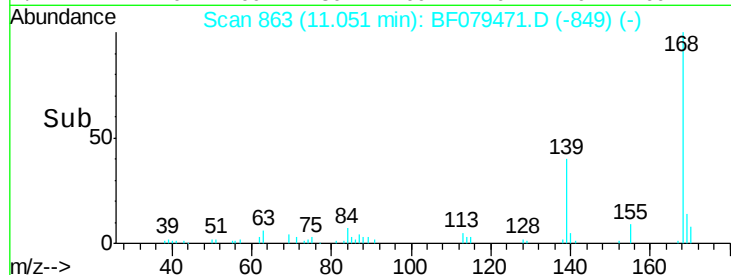
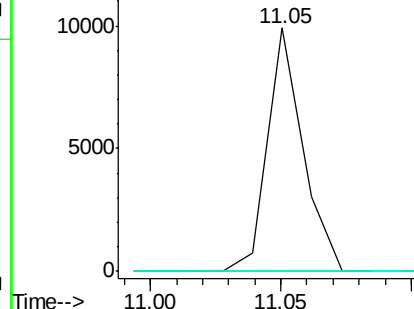
Ion	Ratio	Lower	Upper
139	100		
109	0.0	54.4	94.4#
65	0.0	101.0	141.0#



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): BF0



#57

Fluorene

Concen: 3.34 ng

RT: 11.47 min Scan# 900

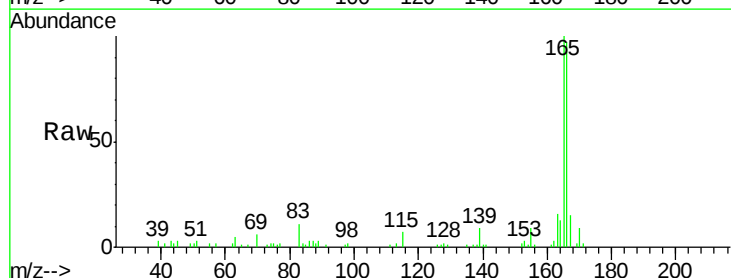
Delta R.T. -0.00 min

Lab File: BF079471.D

Acq: 23 May 2015 12:13

Tgt Ion:166 Resp: 35997

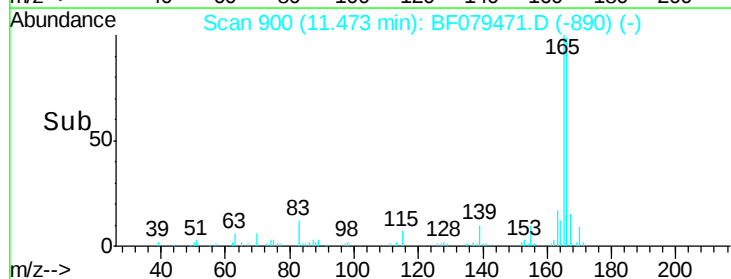
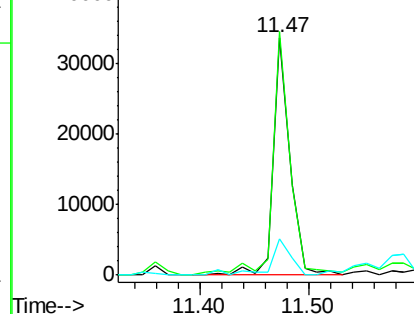
Ion	Ratio	Lower	Upper
166	100		
165	102.6	79.5	119.3
167	15.2	11.0	16.6

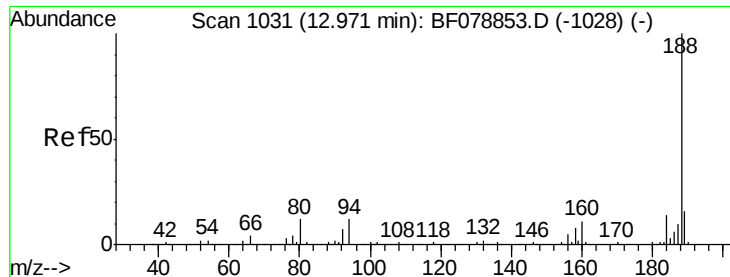


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

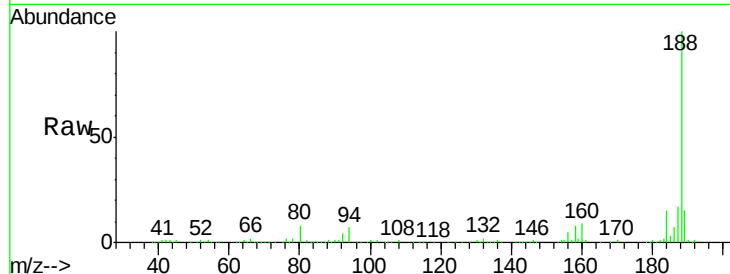




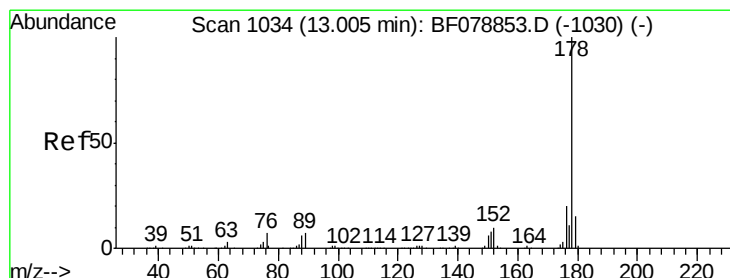
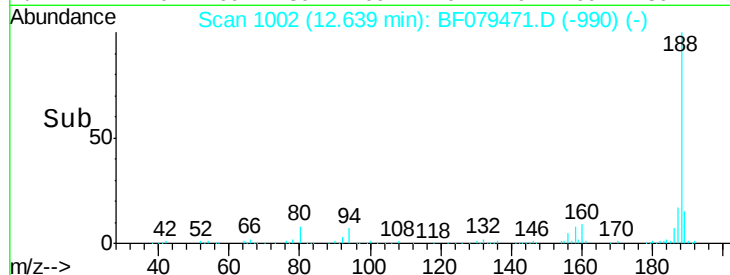
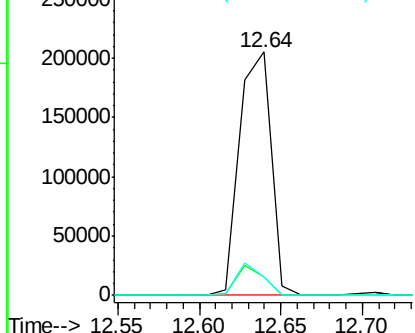
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.64 min Scan# 1002
Delta R.T. 0.01 min
Lab File: BF079471.D
Acq: 23 May 2015 12:13

Instrument :
BNA_F
ClientSampled :
SB-28D

Tgt Ion:188 Resp: 274711
Ion Ratio Lower Upper
188 100
94 7.5 9.4 14.0#
80 7.7 9.8 14.6#

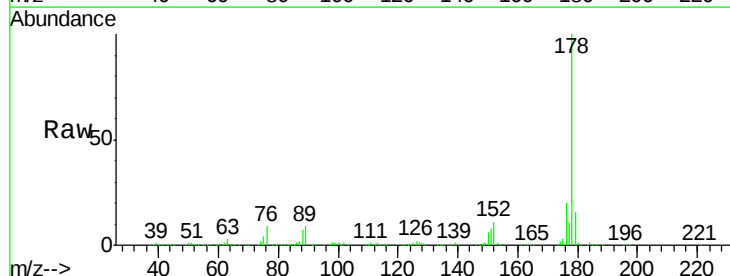


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

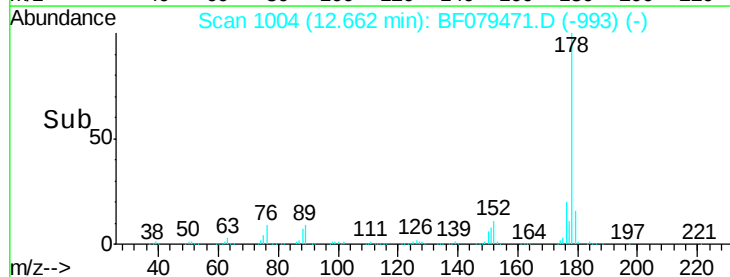
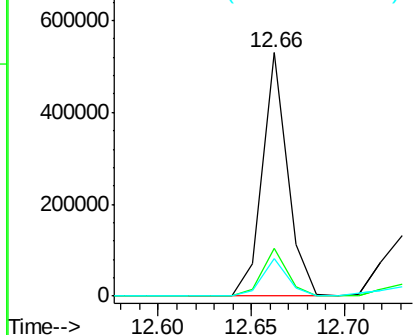


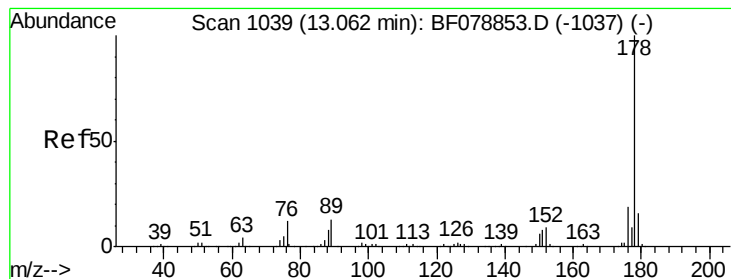
#70
Phenanthrene
Concen: 32.04 ng
RT: 12.66 min Scan# 1004
Delta R.T. -0.00 min
Lab File: BF079471.D
Acq: 23 May 2015 12:13

Tgt Ion:178 Resp: 492475
Ion Ratio Lower Upper
178 100
176 19.7 15.9 23.9
179 15.6 12.2 18.4



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





#71

Anthracene

Concen: 9.69 ng

RT: 12.73 min Scan# 1010

Delta R.T. -0.00 min

Lab File: BF079471.D

Acq: 23 May 2015 12:13

Instrument :

BNA_F

ClientSampleId :

SB-28D

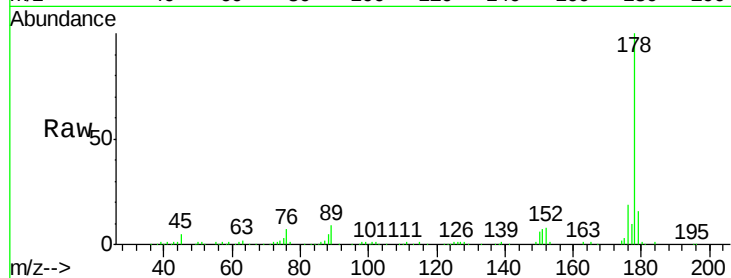
Tgt Ion:178 Resp: 146043

Ion Ratio Lower Upper

178 100

176 18.8 15.3 22.9

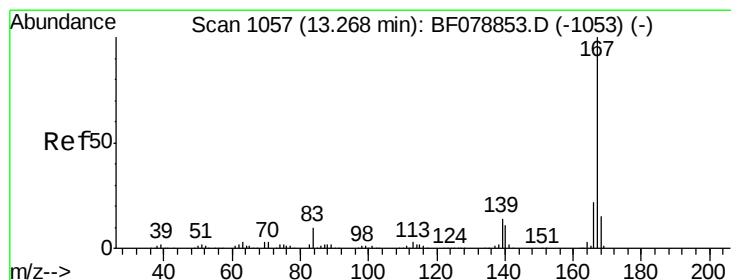
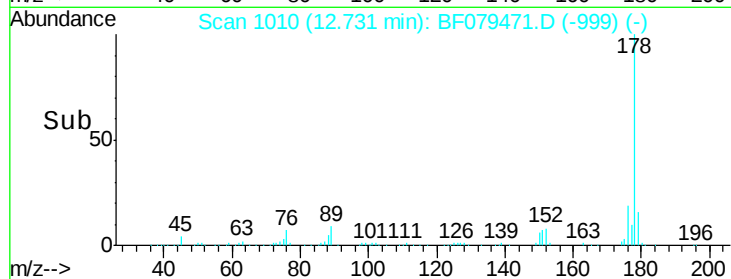
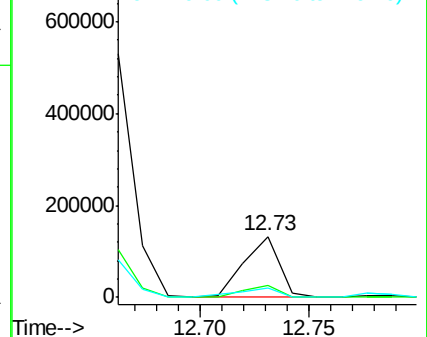
179 15.7 12.6 19.0



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



#72

Carbazole

Concen: 2.45 ng

RT: 12.95 min Scan# 1029

Delta R.T. 0.01 min

Lab File: BF079471.D

Acq: 23 May 2015 12:13

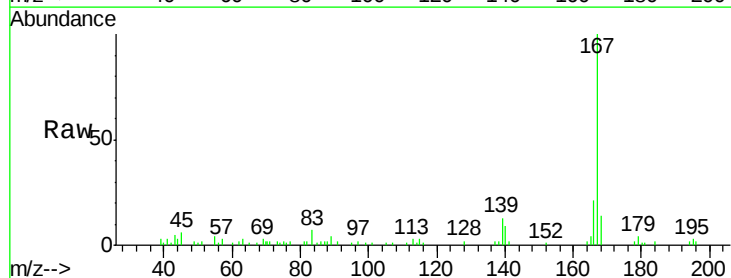
Tgt Ion:167 Resp: 35178

Ion Ratio Lower Upper

167 100

166 20.9 17.5 26.3

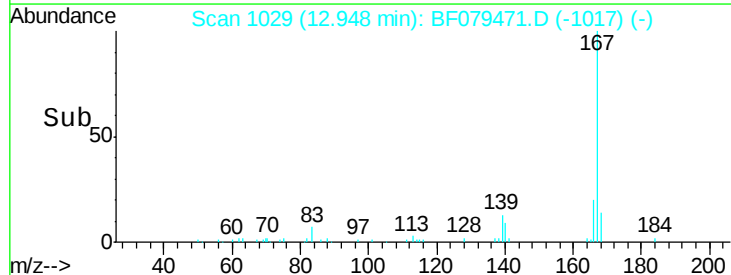
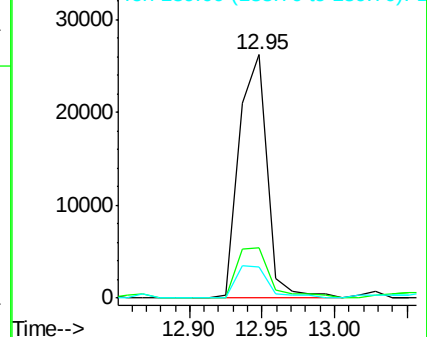
139 12.9 11.0 16.4

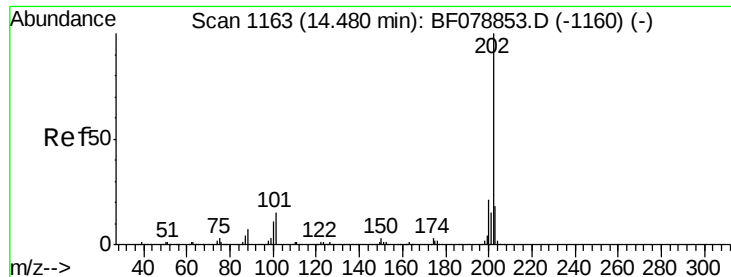


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 47.22 ng

RT: 14.14 min Scan# 1133

Delta R.T. -0.00 min

Lab File: BF079471.D

Acq: 23 May 2015 12:13

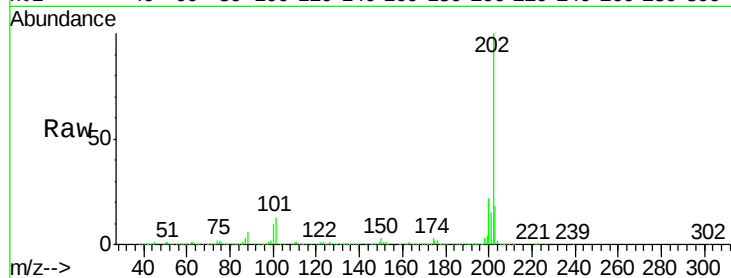
Instrument :

BNA_F

ClientSampled :

SB-28D

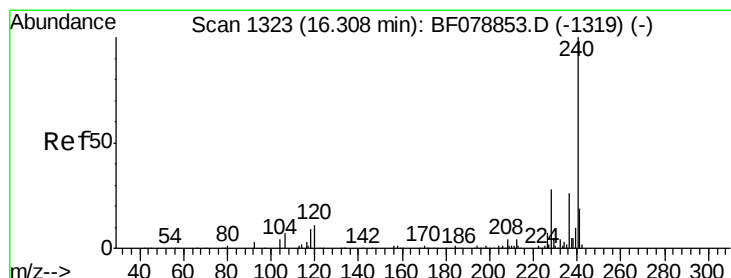
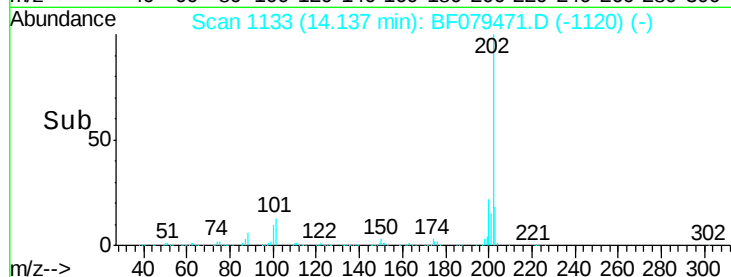
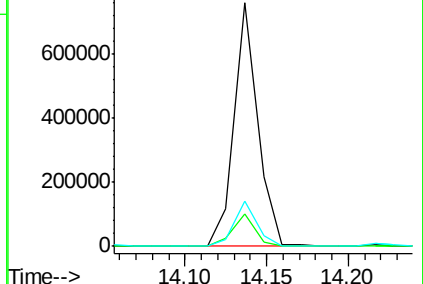
Tgt Ion:	202	Resp:	756177
Ion	Ratio	Lower	Upper
202	100		
101	13.4	0.0	34.7
203	18.5	0.0	37.9



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

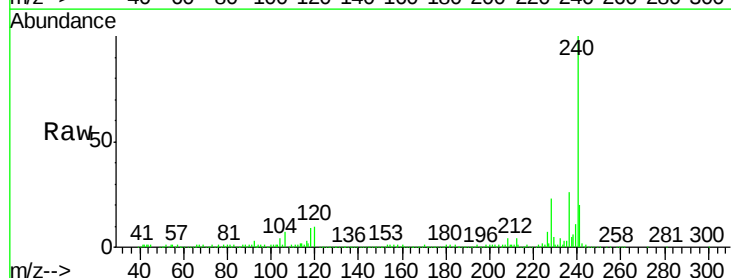
RT: 15.92 min Scan# 1289

Delta R.T. 0.01 min

Lab File: BF079471.D

Acq: 23 May 2015 12:13

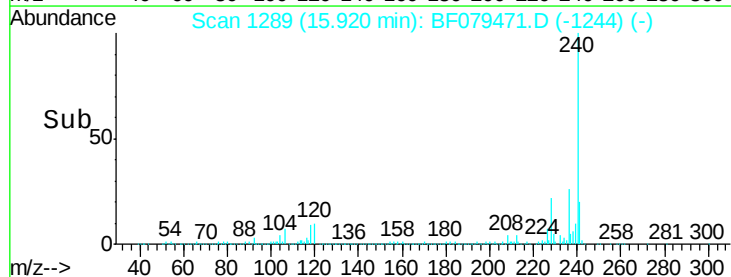
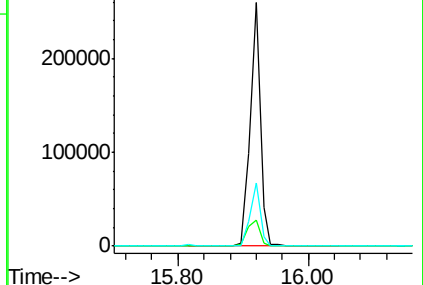
Tgt Ion:	240	Resp:	282678
Ion	Ratio	Lower	Upper
240	100		
120	10.5	8.6	12.8
236	26.1	21.0	31.6

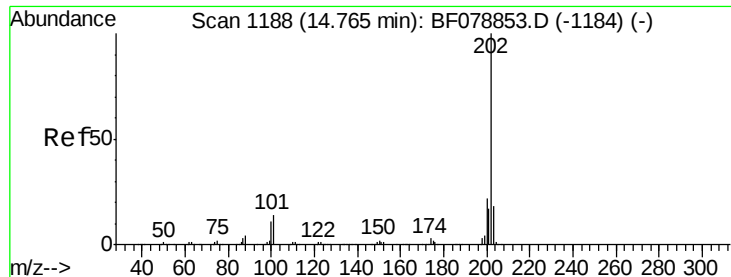


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 42.71 ng

RT: 14.41 min Scan# 1157

Delta R.T. -0.00 min

Lab File: BF079471.D

Acq: 23 May 2015 12:13

Instrument :

BNA_F

ClientSampleId :

SB-28D

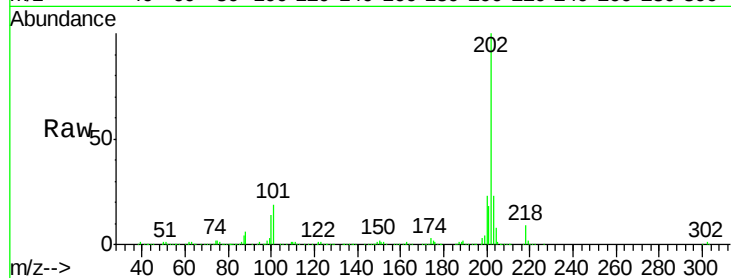
Tgt Ion:202 Resp: 695704

Ion Ratio Lower Upper

202 100

200 22.9 17.5 26.3

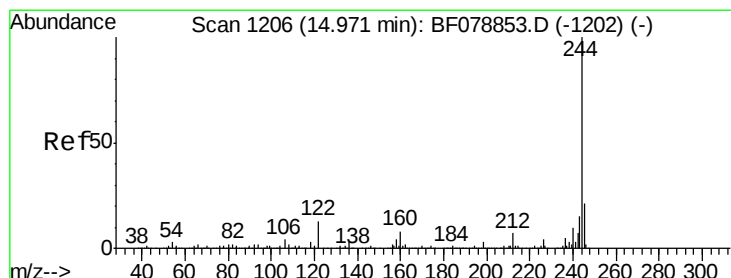
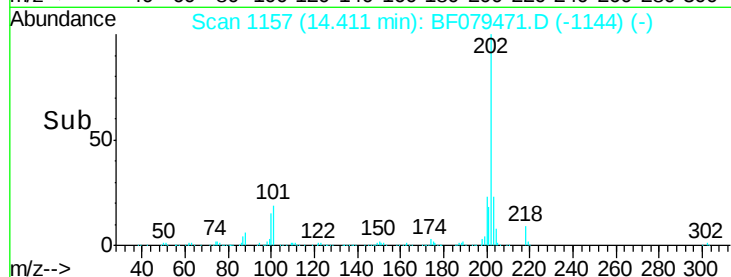
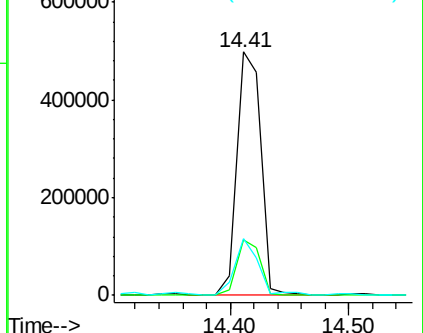
203 23.2 14.7 22.1#



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: 43.79 ng

RT: 14.63 min Scan# 1176

Delta R.T. -0.00 min

Lab File: BF079471.D

Acq: 23 May 2015 12:13

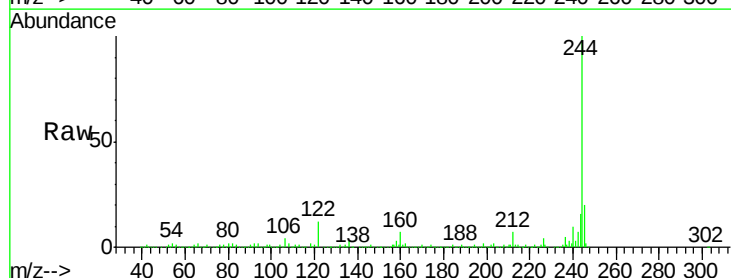
Tgt Ion:244 Resp: 517017

Ion Ratio Lower Upper

244 100

212 6.8 5.6 8.4

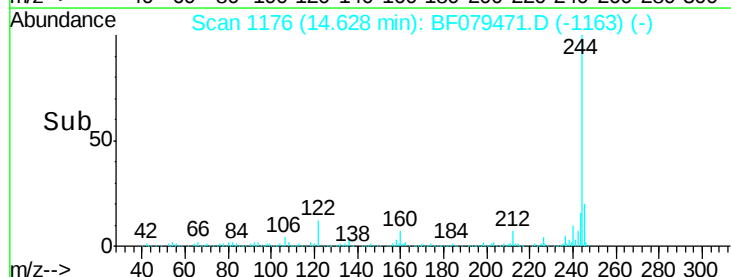
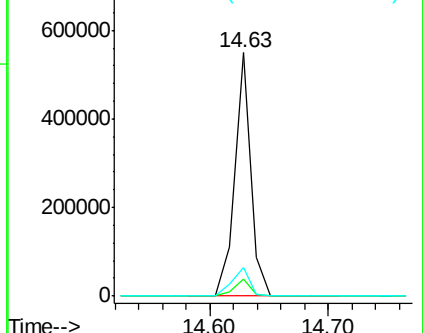
122 11.7 10.5 15.7

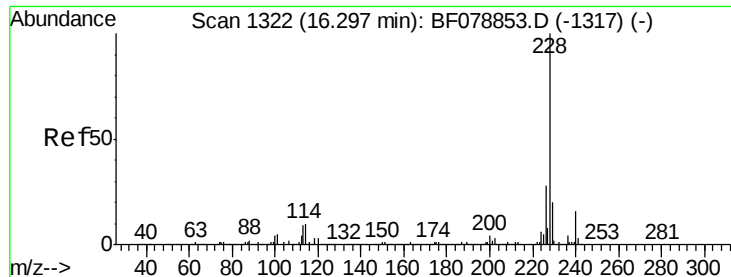


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 28.38 ng

RT: 15.91 min Scan# 1288

Delta R.T. 0.01 min

Lab File: BF079471.D

Acq: 23 May 2015 12:13

Instrument :

BNA_F

ClientSampleId :

SB-28D

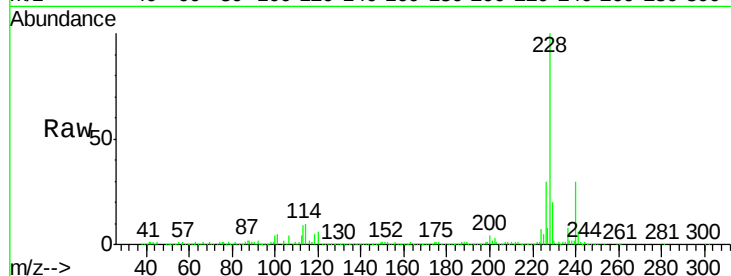
Tgt Ion:228 Resp: 439280

Ion Ratio Lower Upper

228 100

226 29.9 22.3 33.5

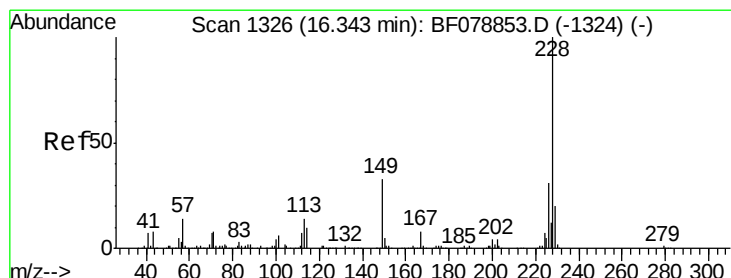
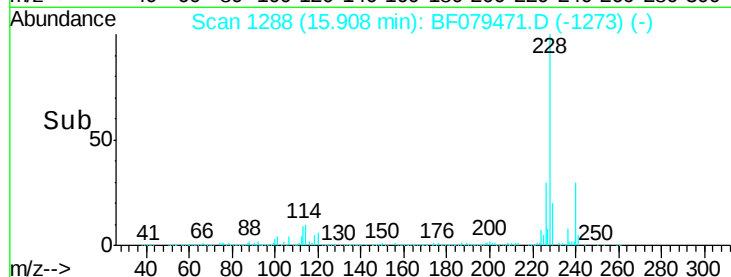
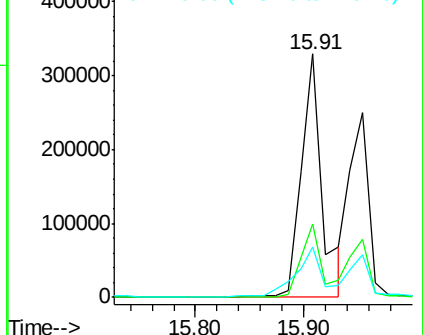
229 20.4 16.1 24.1



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: 20.44 ng

RT: 15.95 min Scan# 1292

Delta R.T. 0.01 min

Lab File: BF079471.D

Acq: 23 May 2015 12:13

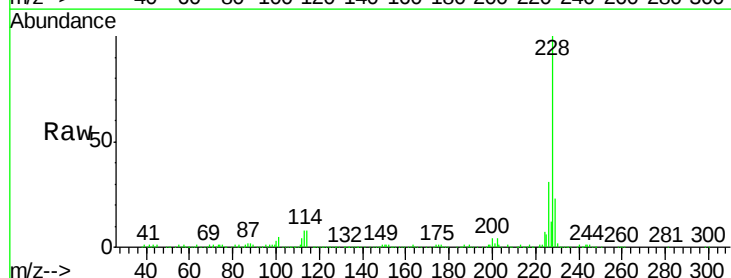
Tgt Ion:228 Resp: 304265

Ion Ratio Lower Upper

228 100

226 31.5 24.8 37.2

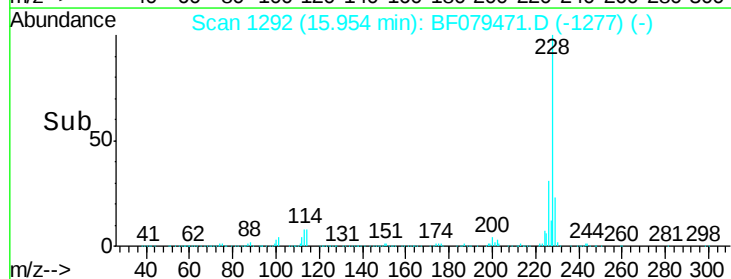
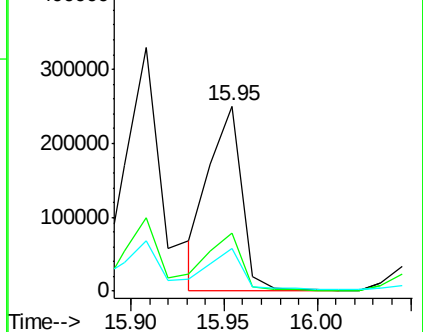
229 22.9 16.1 24.1

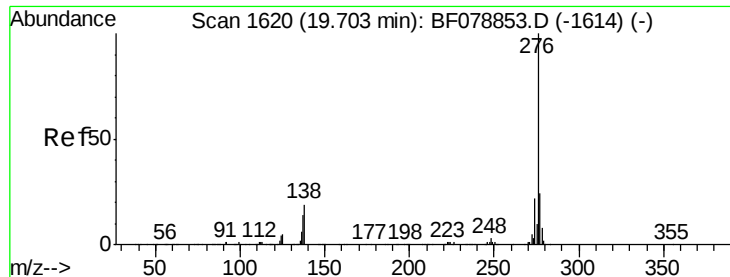


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#85

Indeno(1,2,3-cd)pyrene

Concen: 10.77 ng

RT: 19.01 min Scan# 1559

Delta R.T. 0.07 min

Lab File: BF079471.D

Acq: 23 May 2015 12:13

Instrument :

BNA_F

ClientSampleId :

SB-28D

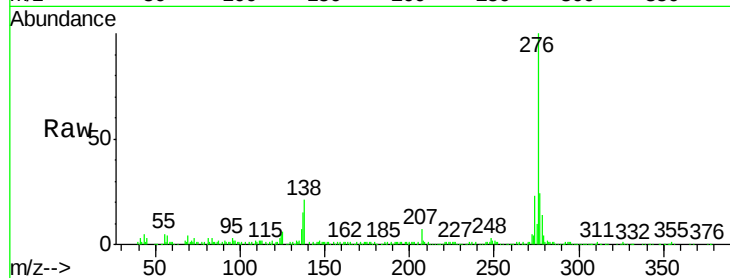
Tgt Ion:276 Resp: 204377

Ion Ratio Lower Upper

276 100

138 25.1 21.1 31.7

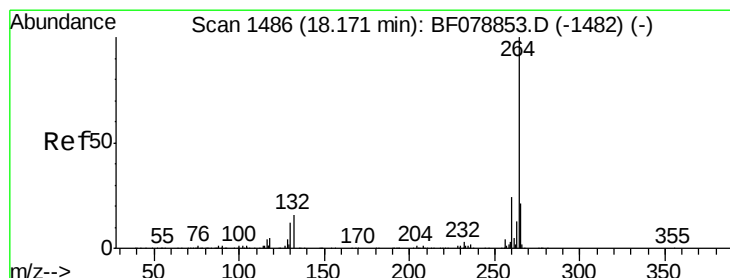
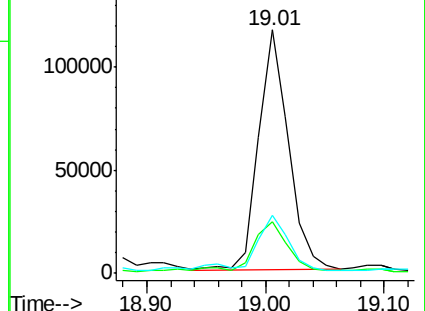
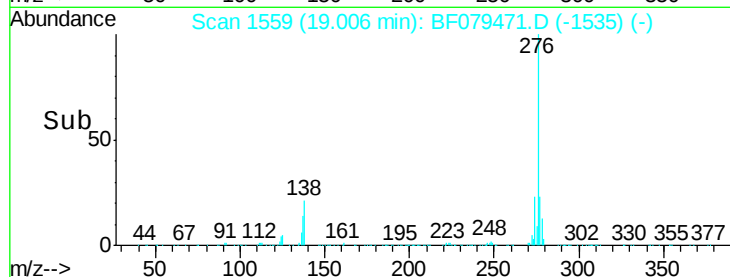
277 27.6 19.9 29.9



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 17.66 min Scan# 1441

Delta R.T. 0.05 min

Lab File: BF079471.D

Acq: 23 May 2015 12:13

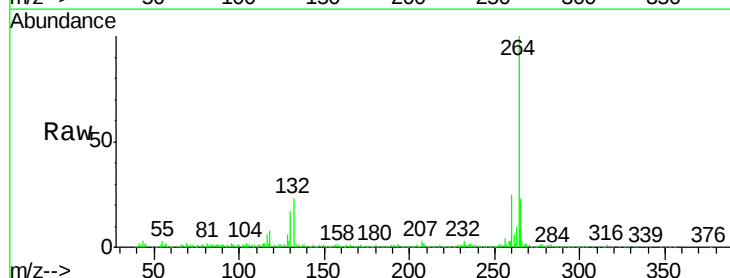
Tgt Ion:264 Resp: 283846

Ion Ratio Lower Upper

264 100

260 24.7 19.2 28.8

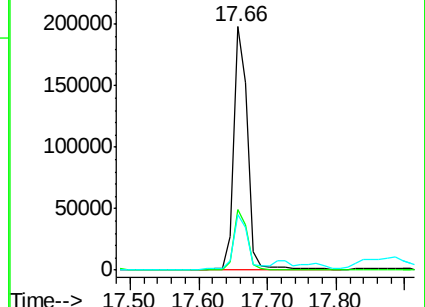
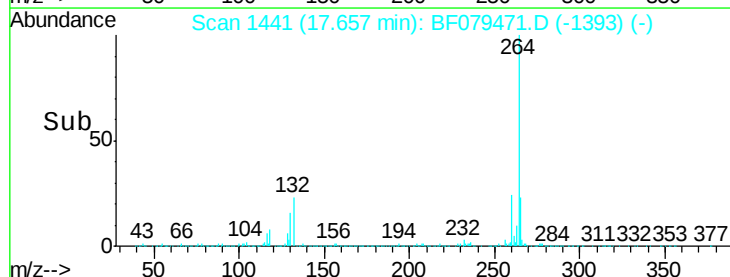
265 22.9 17.2 25.8

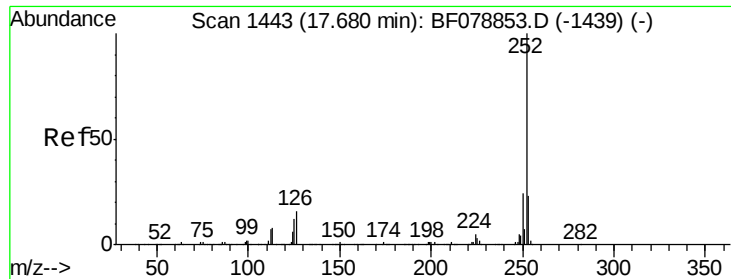


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 37.03 ng

RT: 17.21 min Scan# 1402

Delta R.T. 0.03 min

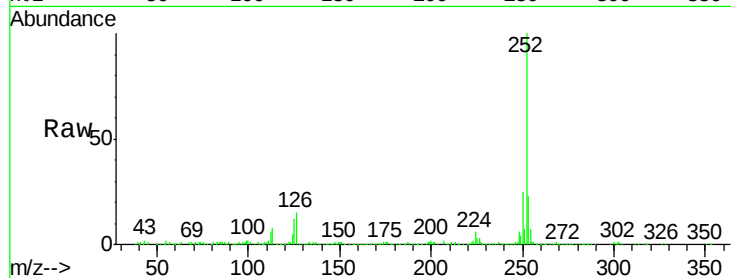
Lab File: BF079471.D

Acq: 23 May 2015 12:13

Instrument :
BNA_F
ClientSampleId :
SB-28D

Tgt Ion: 252 Resp: 575283

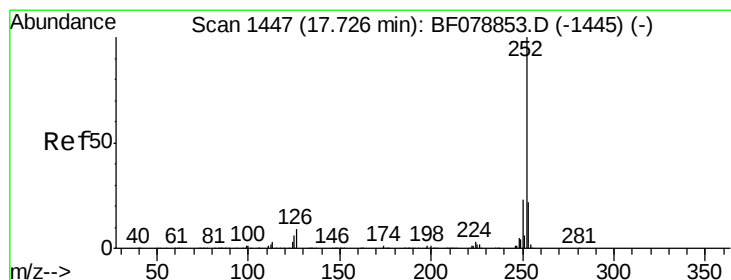
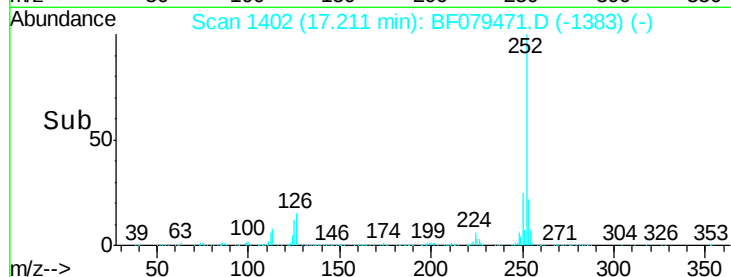
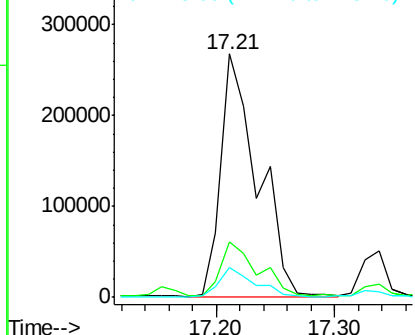
Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.1	27.1
125	12.3	9.4	14.2



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 38.25 ng

RT: 17.21 min Scan# 1402

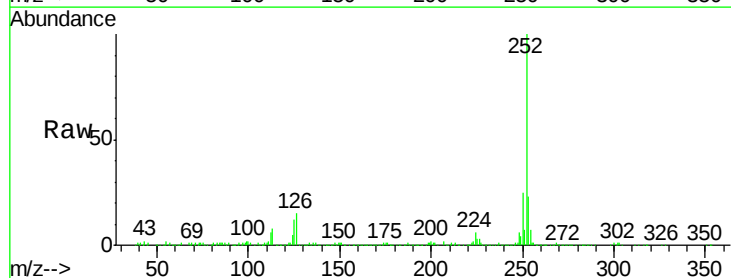
Delta R.T. 0.01 min

Lab File: BF079471.D

Acq: 23 May 2015 12:13

Tgt Ion: 252 Resp: 575283

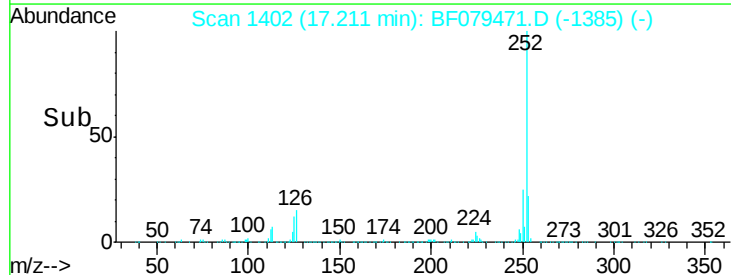
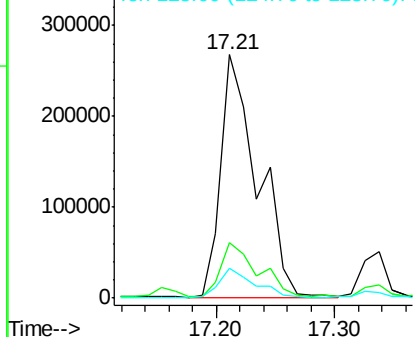
Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.4	26.0
125	12.3	6.1	9.1#

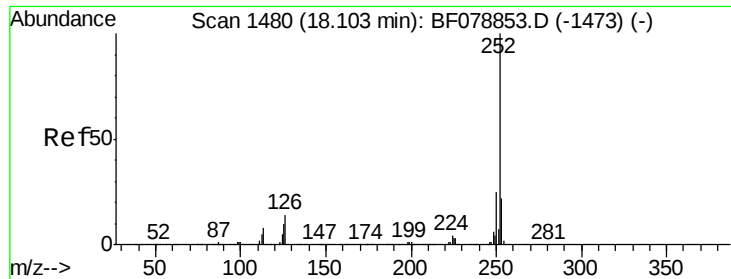


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 22.67 ng

RT: 17.60 min Scan# 1436

Delta R.T. 0.06 min

Lab File: BF079471.D

Acq: 23 May 2015 12:13

Instrument :

BNA_F

ClientSampleId :

SB-28D

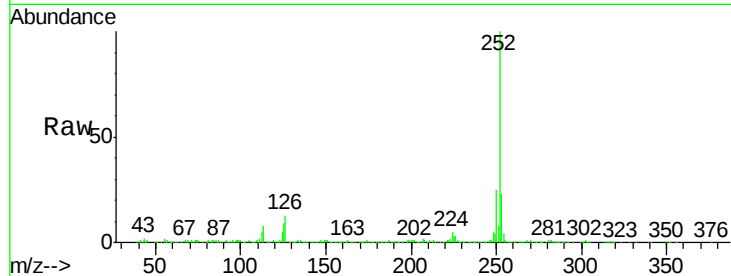
Tgt Ion:252 Resp: 324330

Ion Ratio Lower Upper

252 100

253 22.8 18.0 27.0

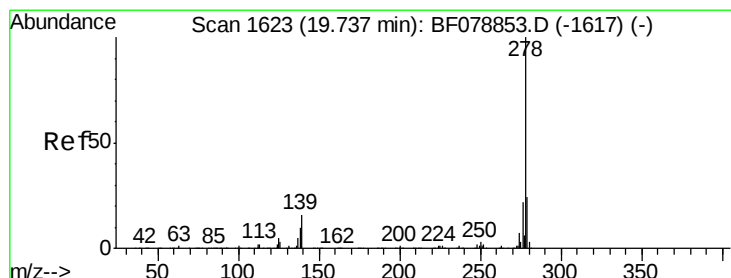
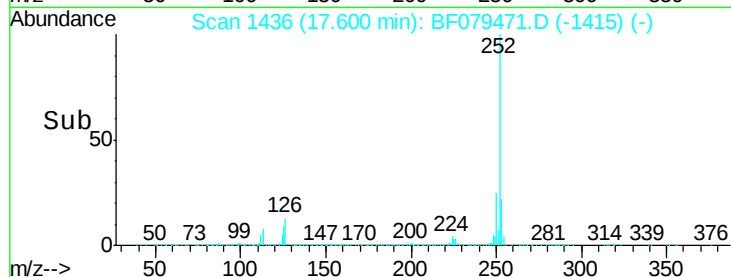
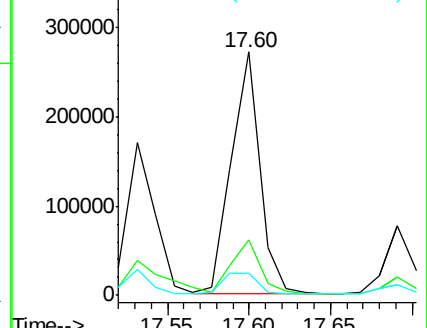
125 9.4 8.2 12.2



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Dibenzo(a,h)anthracene

Concen: 3.58 ng

RT: 19.02 min Scan# 1560

Delta R.T. 0.06 min

Lab File: BF079471.D

Acq: 23 May 2015 12:13

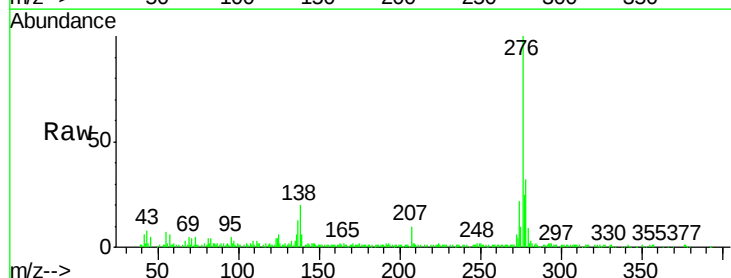
Tgt Ion:278 Resp: 54367

Ion Ratio Lower Upper

278 100

139 20.1 13.1 19.7#

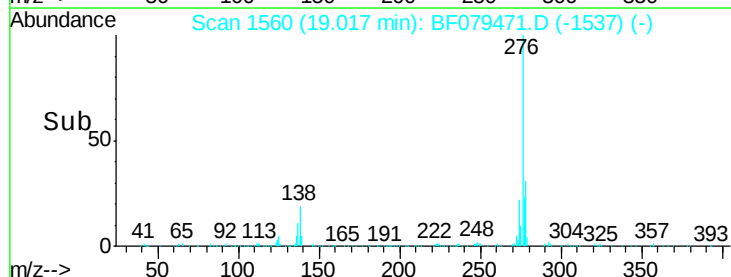
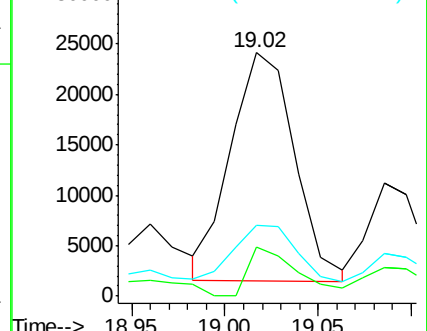
279 29.3 19.1 28.7#

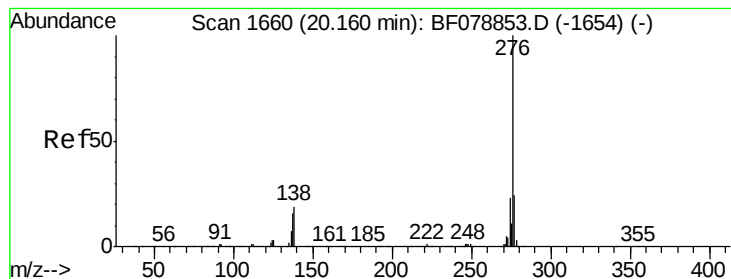


Abundance Ion 278.00 (277.70 to 278.70): E

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: 13.11 ng

RT: 19.39 min Scan# 1593

Delta R.T. 0.07 min

Lab File: BF079471.D

Acq: 23 May 2015 12:13

Instrument :

BNA_F

ClientSampleId :

SB-28D

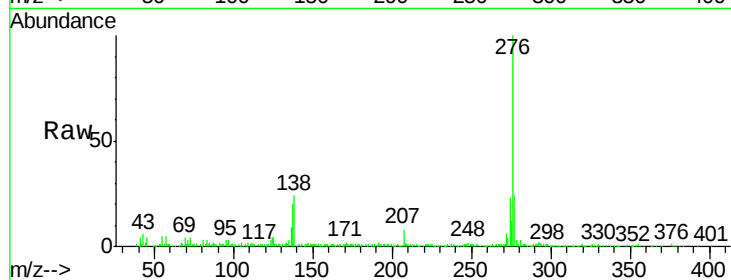
Tgt Ion: 276 Resp: 199810

Ion Ratio Lower Upper

276 100

277 24.0 18.8 28.2

138 23.9 15.2 22.8#



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

