

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051915\
 Data File : BF079368.D
 Acq On : 20 May 2015 5:55
 Operator : TP/IZ
 Sample : G2289-02
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-34S

Quant Time: May 20 06:50:06 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 20 05:08:22 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.13	152	45619	20.00	ng	0.00
21) Naphthalene-d8	8.71	136	190088	20.00	ng	0.00
38) Acenaphthene-d10	10.88	164	93550	20.00	ng	0.00
63) Phenanthrene-d10	12.72	188	186123	20.00	ng	0.00
75) Chrysene-d12	16.00	240	200263	20.00	ng	-0.02
86) Perylene-d12	17.70	264	231135	20.00	ng	-0.11

System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	265184	100.06	ng	0.00
7) Phenol-d6	6.71	99	356416	101.74	ng	0.00
23) Nitrobenzene-d5	7.82	82	200161	60.52	ng	-0.01
41) 2,4,6-Tribromophenol	11.86	330	106811	105.54	ng	0.00
44) 2-Fluorobiphenyl	10.06	172	426471	63.51	ng	0.00
78) Terphenyl-d14	14.71	244	484566	57.93	ng	-0.01

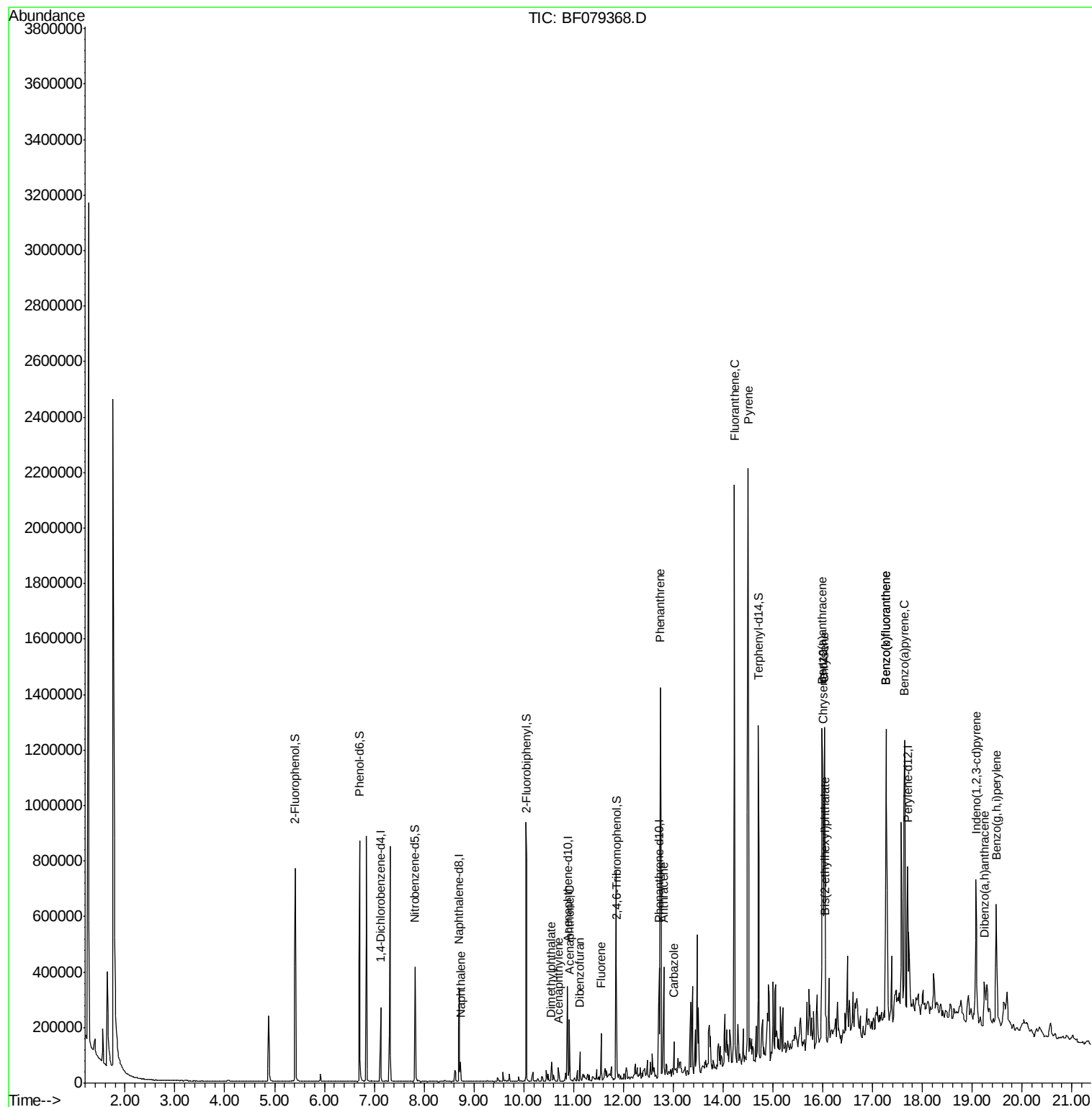
Target Compounds					Qvalue	
31) Naphthalene	8.73	128	28201	3.11	ng	99
48) Acenaphthylene	10.70	152	23482	2.47	ng	100
49) Dimethylphthalate	10.56	163	26743	3.90	ng	100
51) Acenaphthene	10.91	154	49617	8.74	ng	99
54) Dibenzofuran	11.13	168	36569	4.46	ng	99
57) Fluorene	11.55	166	47436	7.04	ng	99
70) Phenanthrene	12.74	178	627989	60.31	ng	99
71) Anthracene	12.81	178	173697	17.00	ng	99
72) Carbazole	13.02	167	45298	4.65	ng	98
74) Fluoranthene	14.23	202	996218	91.82	ng	96
77) Pyrene	14.50	202	992557	86.01	ng	97
80) Benzo(a)anthracene	15.99	228	560389	51.10	ng	97
82) Chrysene	16.03	228	468628	44.43	ng	97
83) Bis(2-ethylhexyl)phthalate	16.05	149	19329	2.53	ng	# 91
85) Indeno(1,2,3-cd)pyrene	19.07	276	350326	26.07	ng	94
87) Benzo(b)fluoranthene	17.27	252	864703	68.35	ng	99
88) Benzo(k)fluoranthene	17.27	252	864703	70.60	ng	# 95
89) Benzo(a)pyrene	17.65	252	534755	45.91	ng	98
90) Dibenzo(a,h)anthracene	19.25	278	69984	5.65	ng	95
91) Benzo(g,h,i)perylene	19.49	276	355691	28.67	ng	97

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

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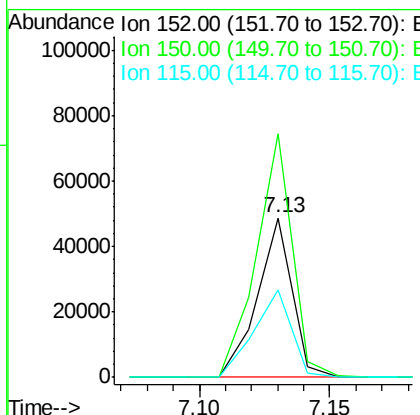
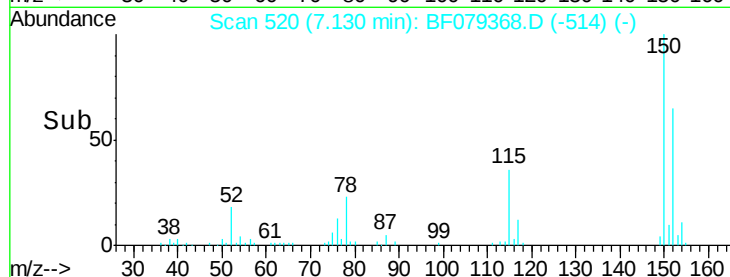
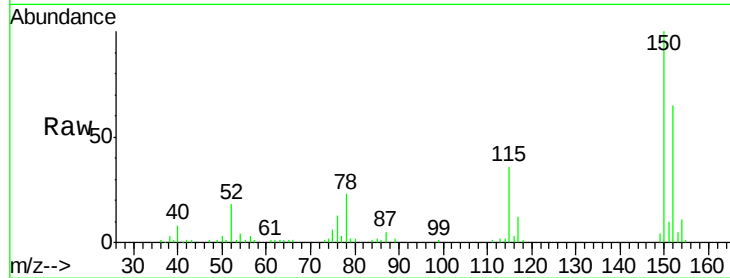




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.13 min Scan# 520
 Delta R.T. 0.00 min
 Lab File: BF079368.D
 Acq: 20 May 2015 5:55

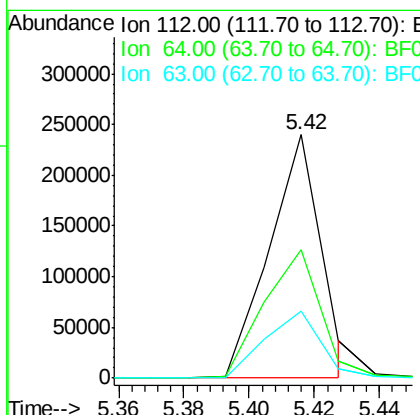
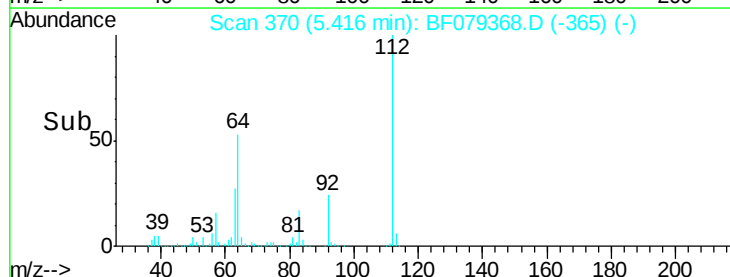
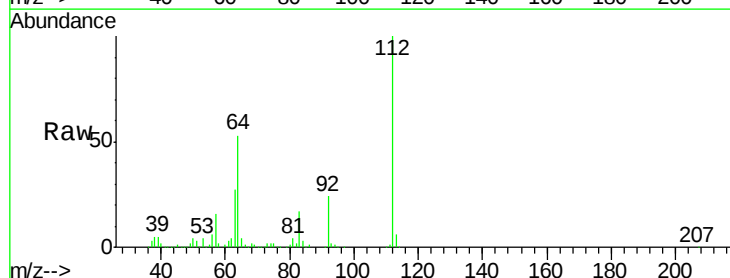
Instrument :
 BNA_F
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 SB-34S

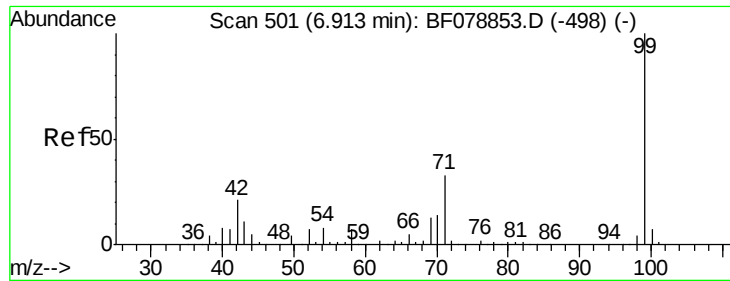
Tgt Ion:	152	Resp:	45619
Ion	Ratio	Lower	Upper
152	100		
150	152.9	123.8	185.8
115	54.8	49.4	74.0



#5
 2-Fluorophenol
 Concen: 100.06 ng
 RT: 5.42 min Scan# 370
 Delta R.T. 0.00 min
 Lab File: BF079368.D
 Acq: 20 May 2015 5:55

Tgt Ion:	112	Resp:	265184
Ion	Ratio	Lower	Upper
112	100		
64	52.6	44.2	66.2
63	27.3	22.7	34.1





#7

Phenol-d6

Concen: 101.74 ng

RT: 6.71 min Scan# 483

Delta R.T. 0.00 min

Lab File: BF079368.D

Acq: 20 May 2015 5:55

Instrument :

BNA_F

ClientSampleId :

SB-34S

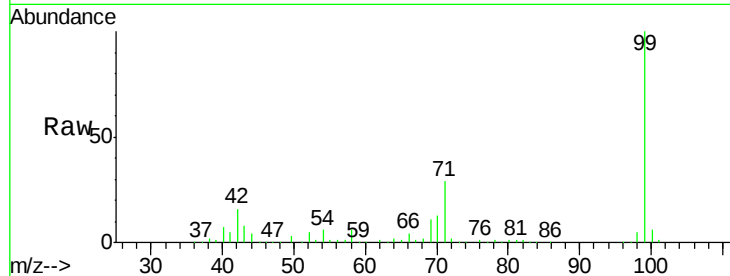
Tgt Ion: 99 Resp: 356416

Ion Ratio Lower Upper

99 100

42 15.5 17.1 25.7#

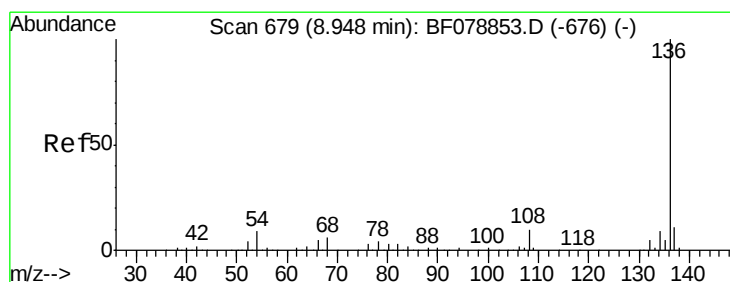
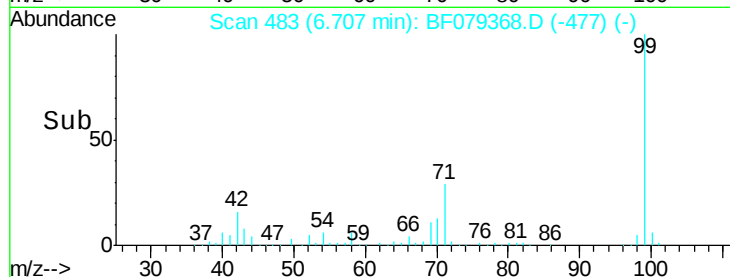
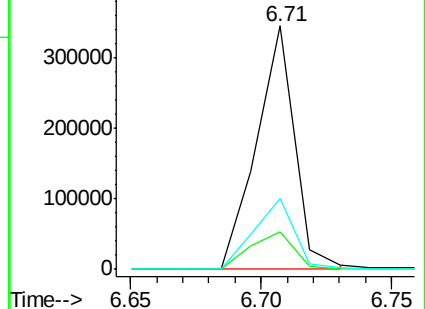
71 29.0 26.3 39.5



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.71 min Scan# 658

Delta R.T. 0.00 min

Lab File: BF079368.D

Acq: 20 May 2015 5:55

Tgt Ion: 136 Resp: 190088

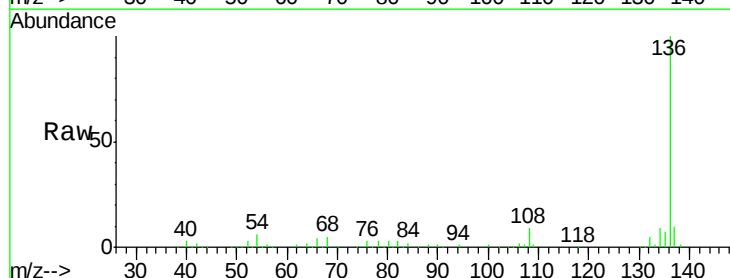
Ion Ratio Lower Upper

136 100

137 10.4 8.8 13.2

54 6.3 6.9 10.3#

68 4.7 4.9 7.3#

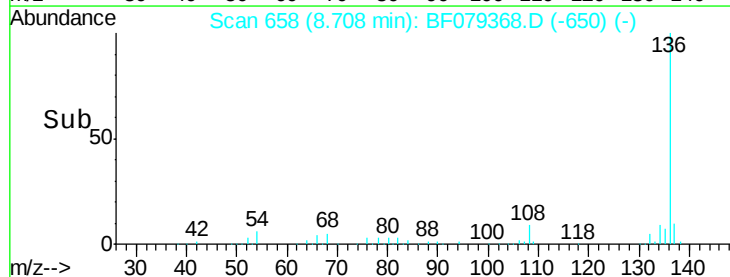
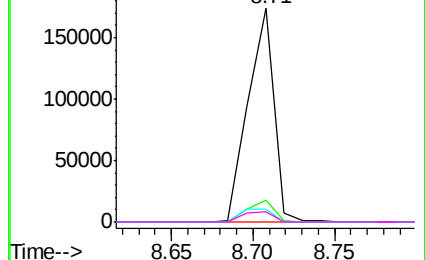


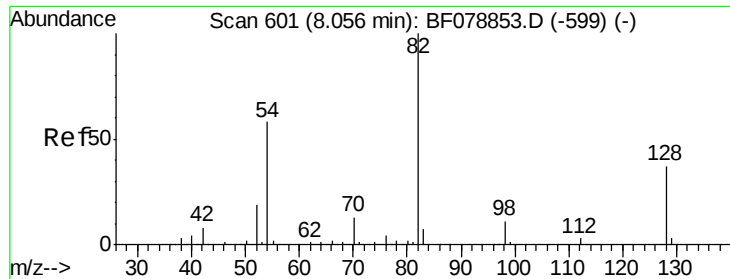
Abundance Ion 136.00 (135.70 to 136.70): E

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

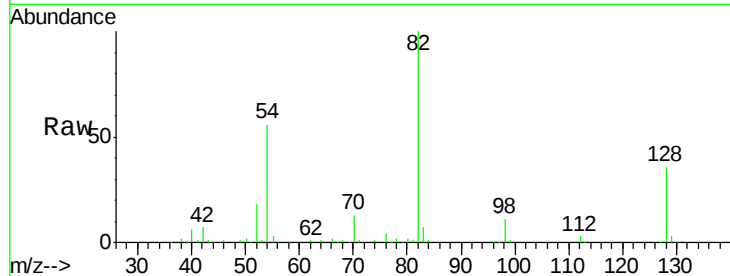




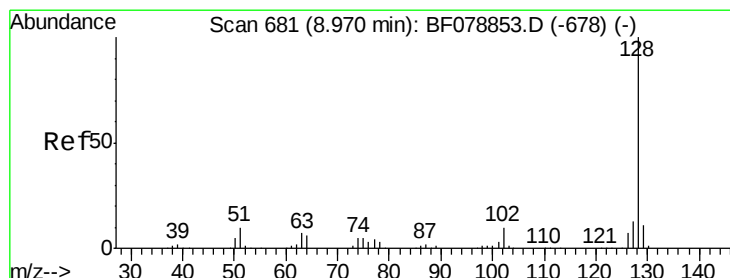
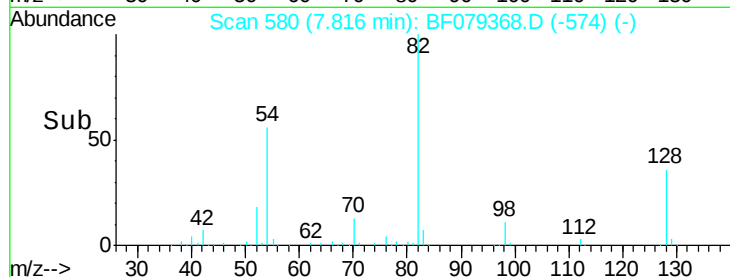
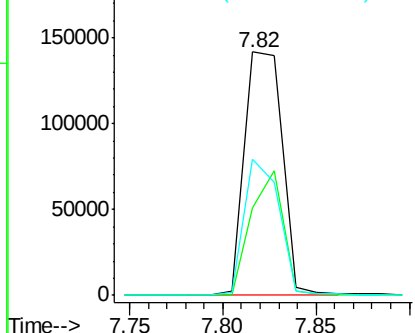
#23
 Nitrobenzene-d5
 Concen: 60.52 ng
 RT: 7.82 min Scan# 580
 Delta R.T. -0.01 min
 Lab File: BF079368.D
 Acq: 20 May 2015 5:55

Instrument :
 BNA_F
 ClientSampleId :
 SB-34S

Tgt Ion: 82 Resp: 200161
 Ion Ratio Lower Upper
 82 100
 128 36.0 29.7 44.5
 54 56.0 46.2 69.4

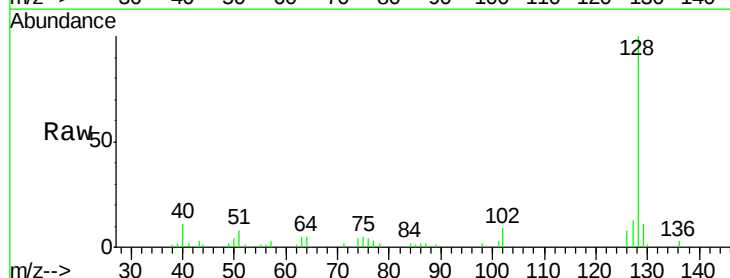


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

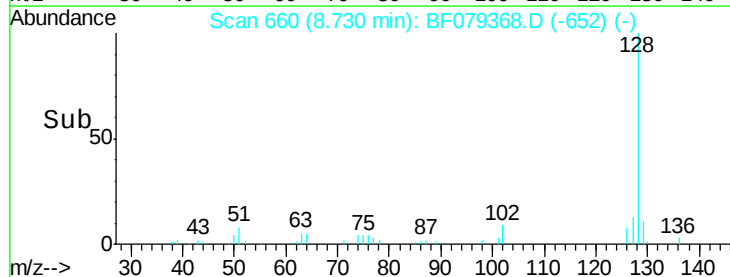
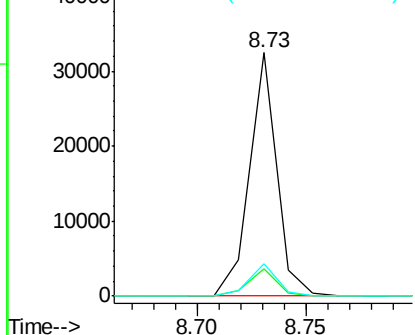


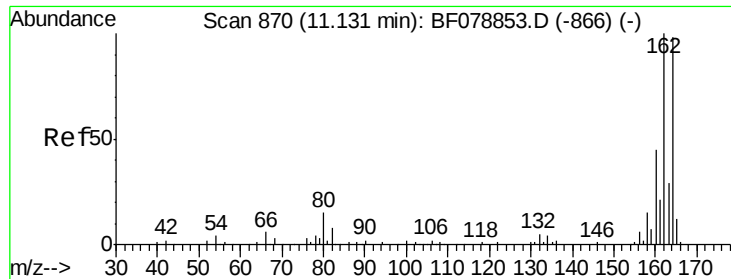
#31
 Naphthalene
 Concen: 3.11 ng
 RT: 8.73 min Scan# 660
 Delta R.T. 0.00 min
 Lab File: BF079368.D
 Acq: 20 May 2015 5:55

Tgt Ion: 128 Resp: 28201
 Ion Ratio Lower Upper
 128 100
 129 11.0 9.2 13.8
 127 13.3 10.3 15.5



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

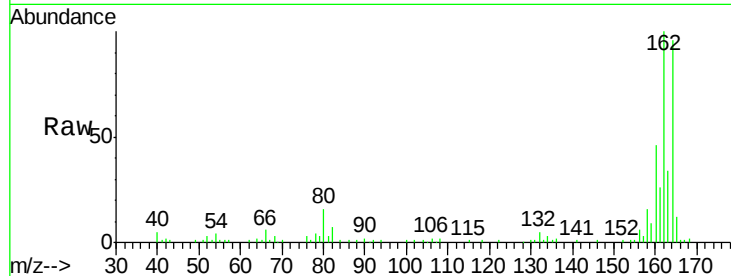




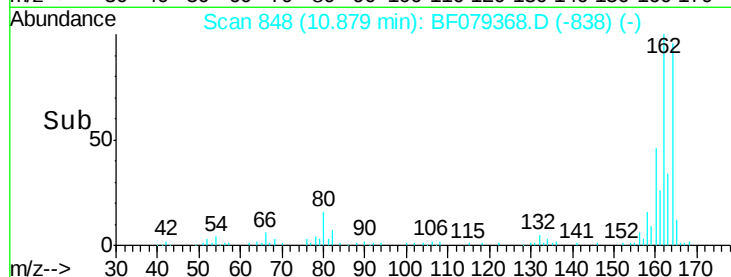
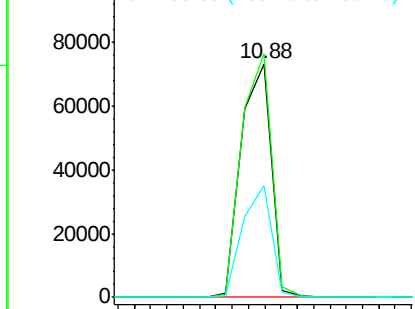
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.88 min Scan# 848
Delta R.T. 0.00 min
Lab File: BF079368.D
Acq: 20 May 2015 5:55

Instrument :
BNA_F
ClientSampleId :
SB-34S

Tgt Ion:164 Resp: 93550
Ion Ratio Lower Upper
164 100
162 104.3 81.4 122.0
160 47.9 36.6 54.8

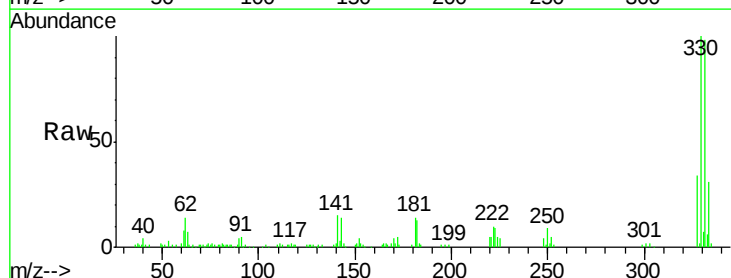


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

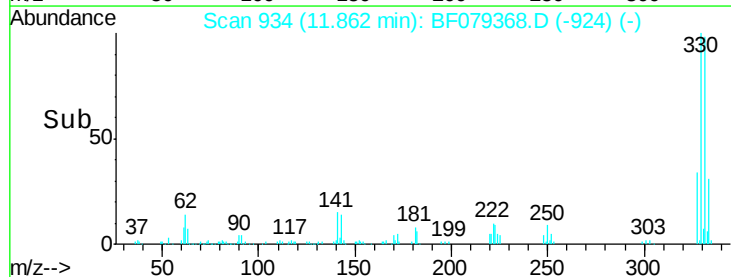
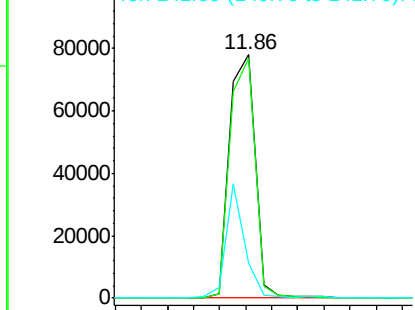


#41
2,4,6-Tribromophenol
Concen: 105.54 ng
RT: 11.86 min Scan# 934
Delta R.T. 0.00 min
Lab File: BF079368.D
Acq: 20 May 2015 5:55

Tgt Ion:330 Resp: 106811
Ion Ratio Lower Upper
330 100
332 96.7 76.9 115.3
141 35.2 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

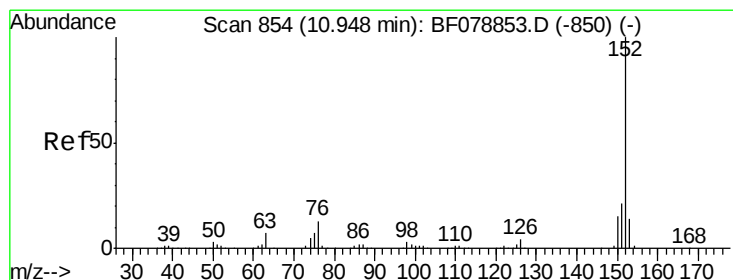
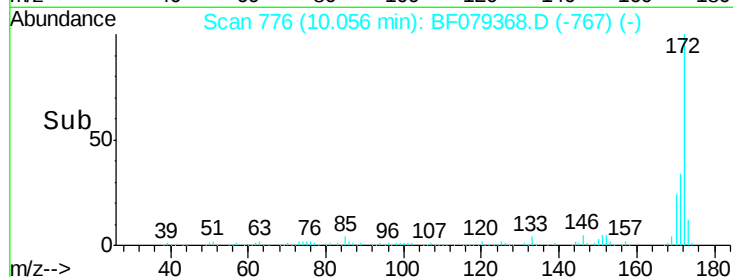
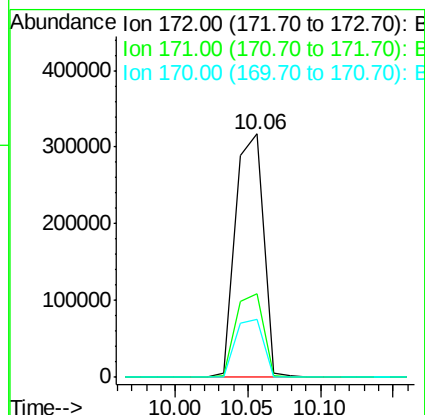
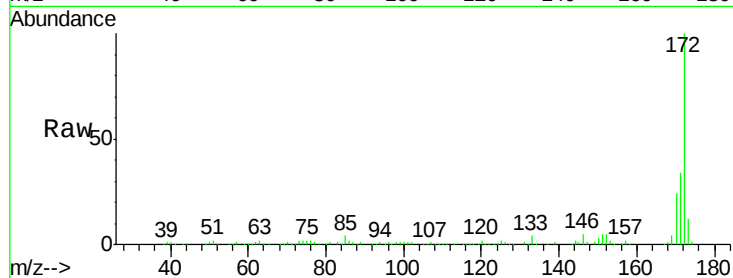




#44
 2-Fluorobiphenyl
 Concen: 63.51 ng
 RT: 10.06 min Scan# 776
 Delta R.T. 0.00 min
 Lab File: BF079368.D
 Acq: 20 May 2015 5:55

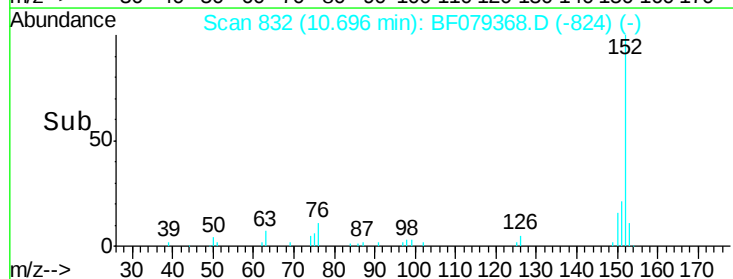
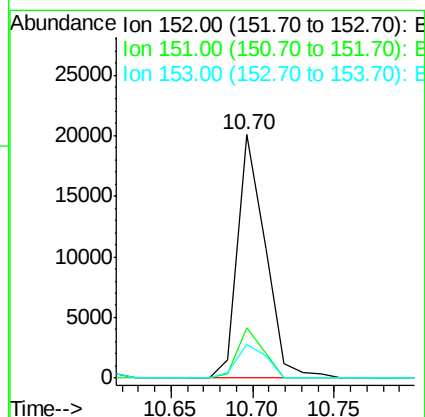
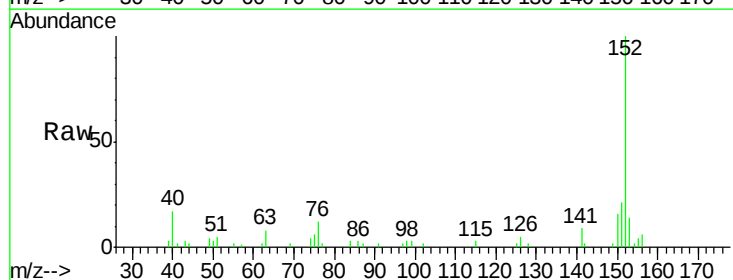
Instrument :
 BNA_F
 ClientSampleId :
 SB-34S

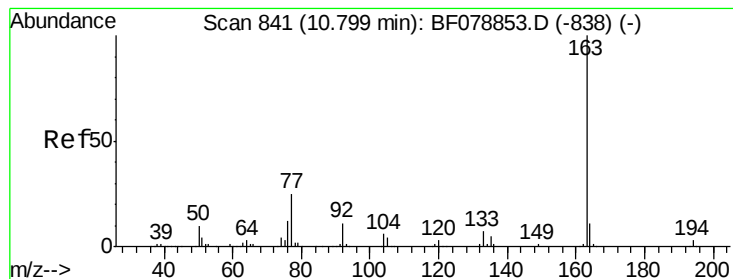
Tgt Ion:172 Resp: 426471
 Ion Ratio Lower Upper
 172 100
 171 34.3 28.3 42.5
 170 23.6 19.4 29.2



#48
 Acenaphthylene
 Concen: 2.47 ng
 RT: 10.70 min Scan# 832
 Delta R.T. -0.01 min
 Lab File: BF079368.D
 Acq: 20 May 2015 5:55

Tgt Ion:152 Resp: 23482
 Ion Ratio Lower Upper
 152 100
 151 20.6 16.6 24.8
 153 13.7 11.0 16.6





#49

Dimethylphthalate

Concen: 3.90 ng

RT: 10.56 min Scan# 820

Delta R.T. -0.01 min

Lab File: BF079368.D

Acq: 20 May 2015 5:55

Instrument :

BNA_F

ClientSampleId :

SB-34S

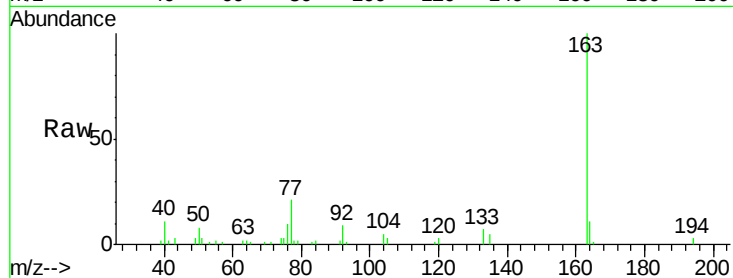
Tgt Ion:163 Resp: 26743

Ion Ratio Lower Upper

163 100

194 3.1 2.4 3.6

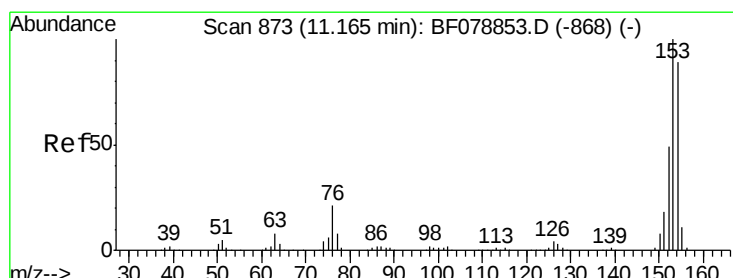
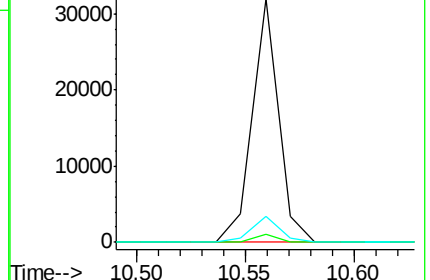
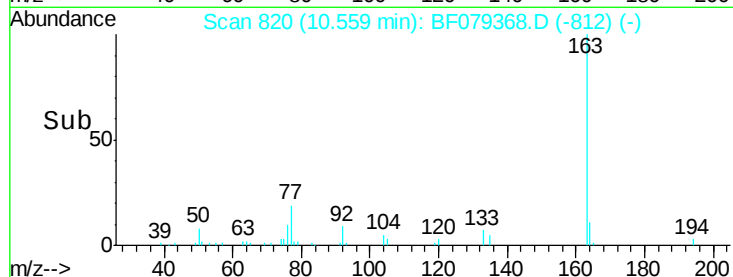
164 10.6 8.6 12.8



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: 8.74 ng

RT: 10.91 min Scan# 851

Delta R.T. 0.00 min

Lab File: BF079368.D

Acq: 20 May 2015 5:55

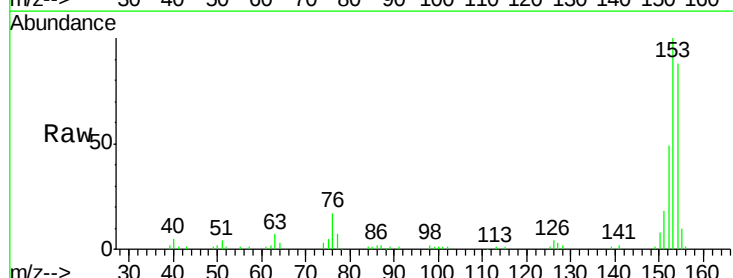
Tgt Ion:154 Resp: 49617

Ion Ratio Lower Upper

154 100

153 113.3 90.2 135.2

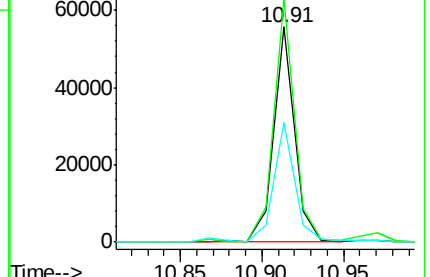
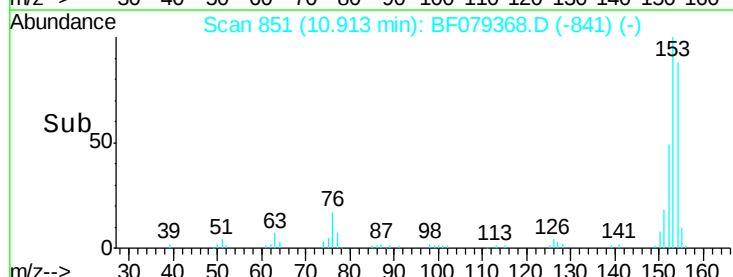
152 55.7 43.8 65.8

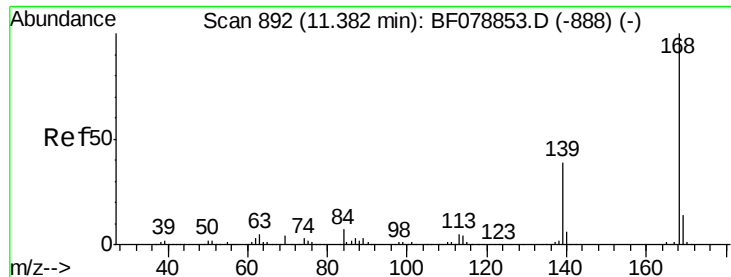


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

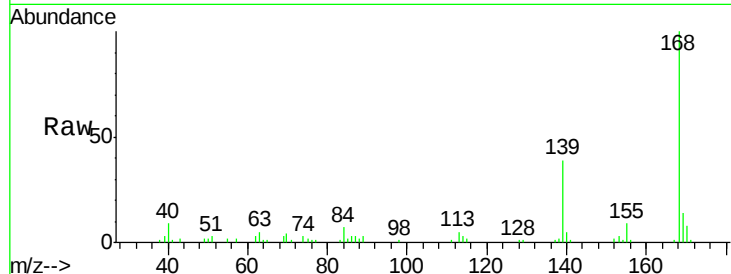




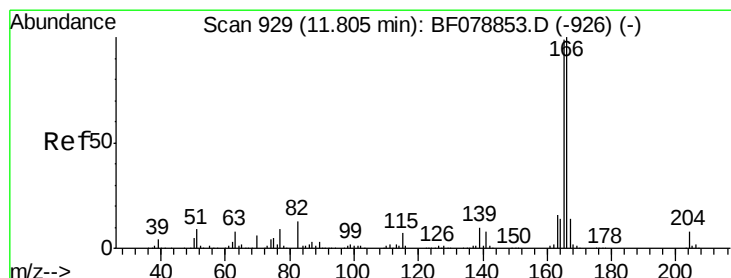
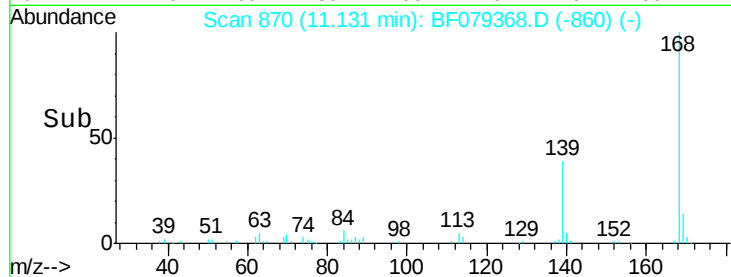
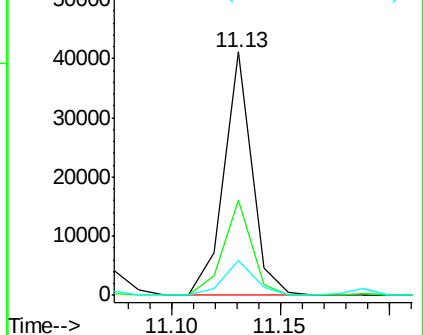
#54
Dibenzenofuran
Concen: 4.46 ng
RT: 11.13 min Scan# 870
Delta R.T. 0.00 min
Lab File: BF079368.D
Acq: 20 May 2015 5:55

Instrument :
BNA_F
ClientSampleId :
SB-34S

Tgt Ion:168 Resp: 36569
Ion Ratio Lower Upper
168 100
139 38.9 31.5 47.3
169 14.1 11.0 16.4

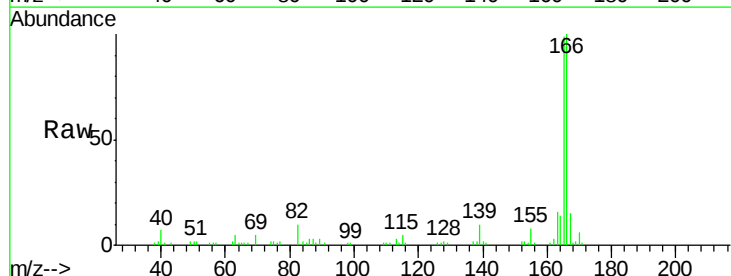


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

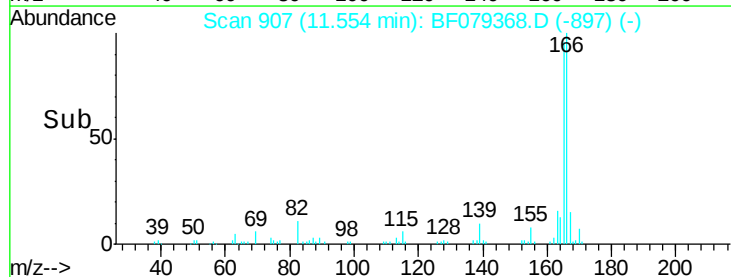
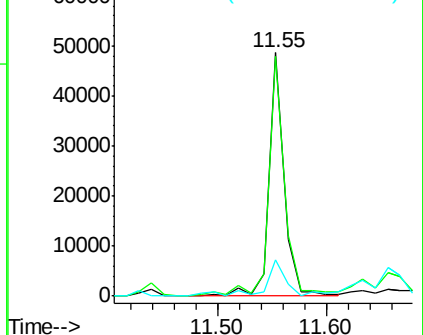


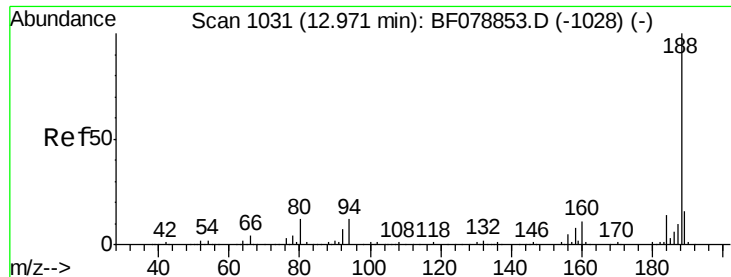
#57
Fluorene
Concen: 7.04 ng
RT: 11.55 min Scan# 907
Delta R.T. 0.00 min
Lab File: BF079368.D
Acq: 20 May 2015 5:55

Tgt Ion:166 Resp: 47436
Ion Ratio Lower Upper
166 100
165 98.6 79.5 119.3
167 14.8 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

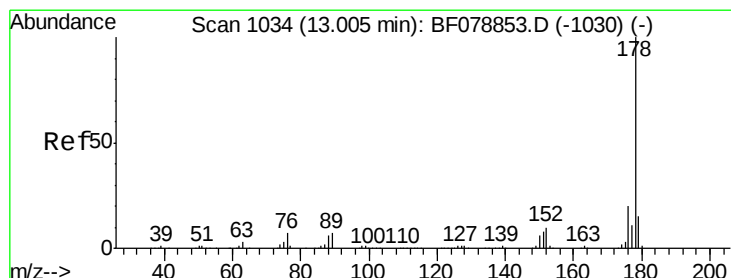
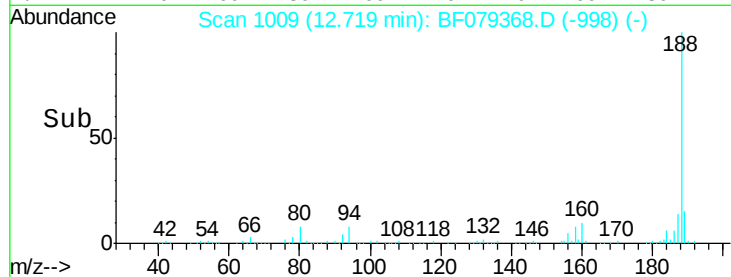
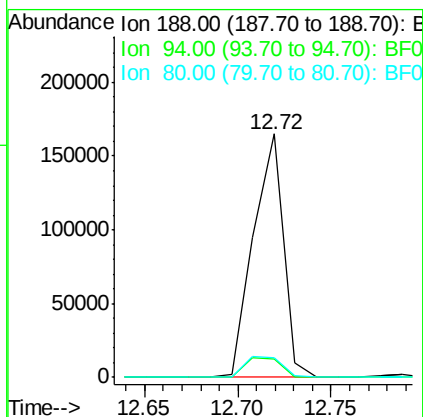
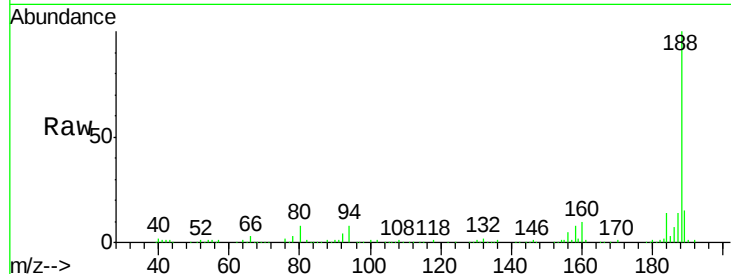




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.72 min Scan# 1009
Delta R.T. 0.00 min
Lab File: BF079368.D
Acq: 20 May 2015 5:55

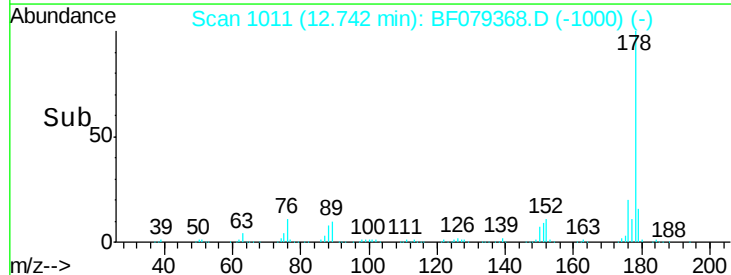
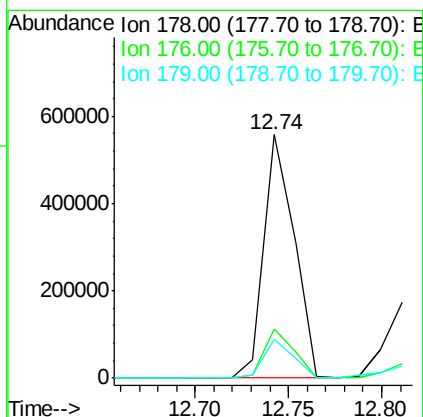
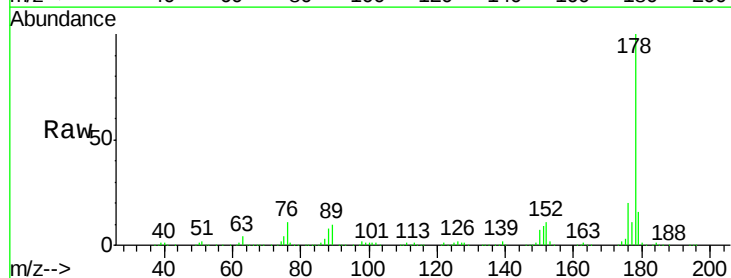
Instrument :
BNA_F
ClientSampleId :
SB-34S

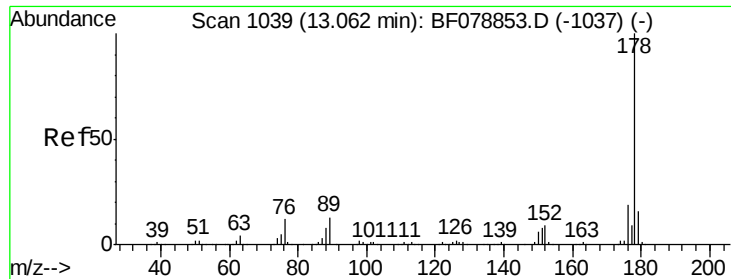
Tgt Ion:188 Resp: 186123
Ion Ratio Lower Upper
188 100
94 7.5 9.4 14.0#
80 8.0 9.8 14.6#



#70
Phenanthrene
Concen: 60.31 ng
RT: 12.74 min Scan# 1011
Delta R.T. 0.00 min
Lab File: BF079368.D
Acq: 20 May 2015 5:55

Tgt Ion:178 Resp: 627989
Ion Ratio Lower Upper
178 100
176 20.2 15.9 23.9
179 15.8 12.2 18.4

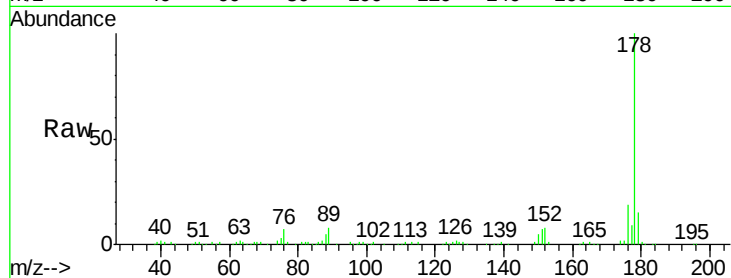




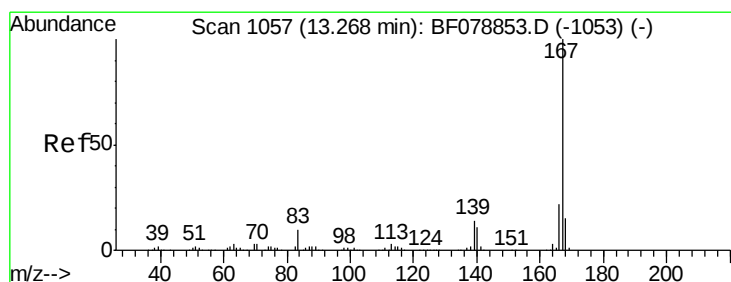
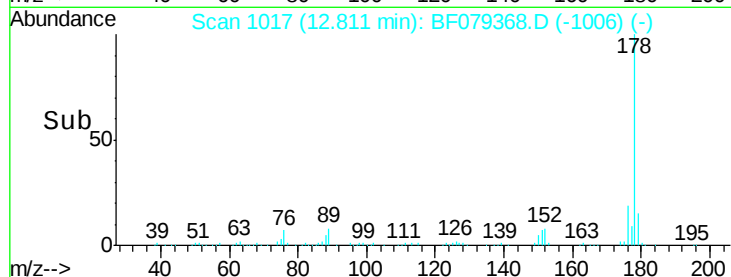
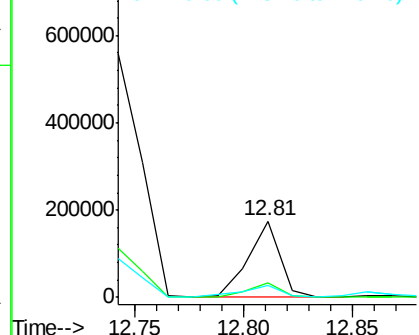
#71
 Anthracene
 Concen: 17.00 ng
 RT: 12.81 min Scan# 1017
 Delta R.T. 0.00 min
 Lab File: BF079368.D
 Acq: 20 May 2015 5:55

Instrument :
 BNA_F
 ClientSampleId :
 SB-34S

Tgt Ion:178 Resp: 173697
 Ion Ratio Lower Upper
 178 100
 176 18.6 15.3 22.9
 179 15.4 12.6 19.0

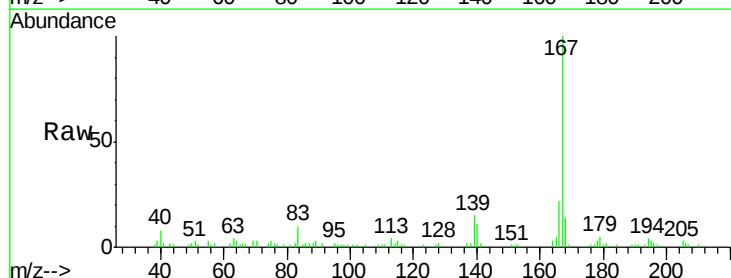


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

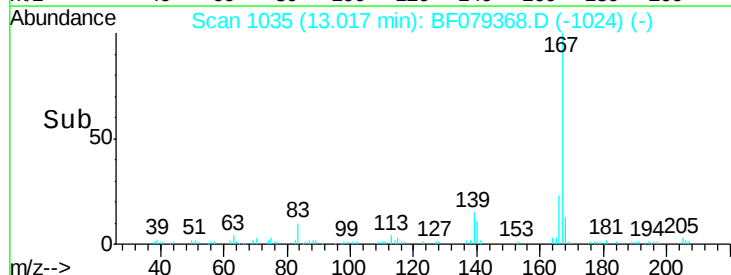
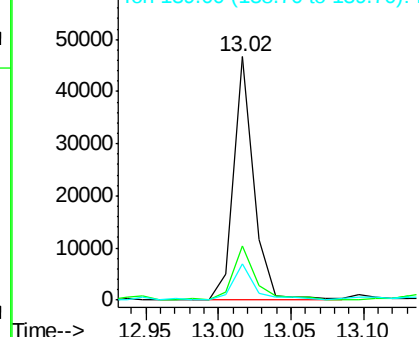


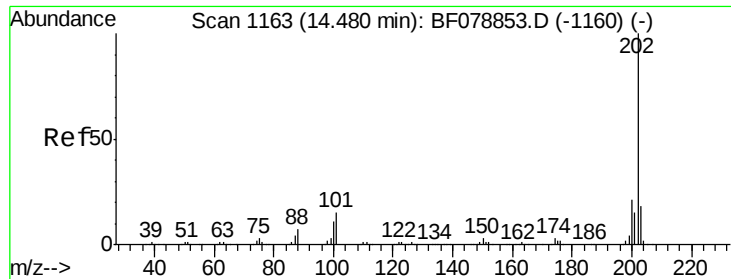
#72
 Carbazole
 Concen: 4.65 ng
 RT: 13.02 min Scan# 1035
 Delta R.T. 0.00 min
 Lab File: BF079368.D
 Acq: 20 May 2015 5:55

Tgt Ion:167 Resp: 45298
 Ion Ratio Lower Upper
 167 100
 166 22.3 17.5 26.3
 139 14.8 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: 91.82 ng

RT: 14.23 min Scan# 1141

Delta R.T. 0.00 min

Lab File: BF079368.D

Acq: 20 May 2015 5:55

Instrument :

BNA_F

ClientSampleId :

SB-34S

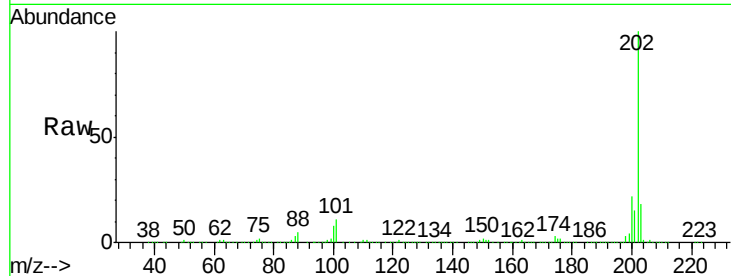
Tgt Ion:202 Resp: 996218

Ion Ratio Lower Upper

202 100

101 10.9 0.0 34.7

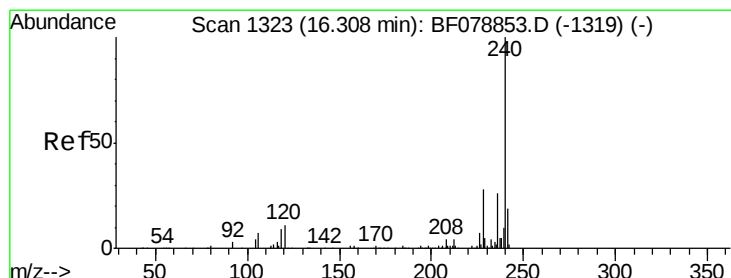
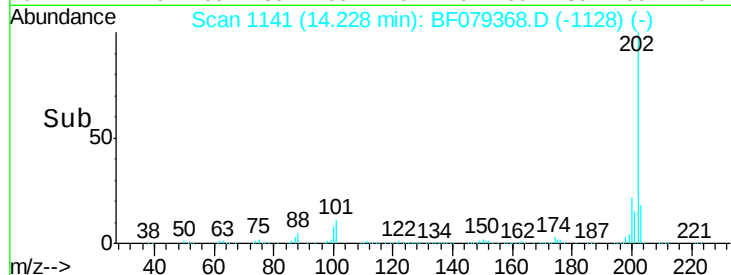
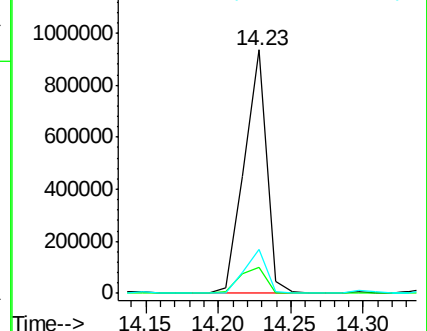
203 18.1 0.0 37.9



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: 16.00 min Scan# 1296

Delta R.T. -0.02 min

Lab File: BF079368.D

Acq: 20 May 2015 5:55

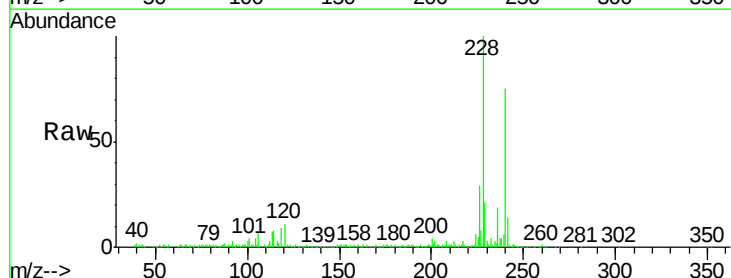
Tgt Ion:240 Resp: 200263

Ion Ratio Lower Upper

240 100

120 14.1 8.6 12.8#

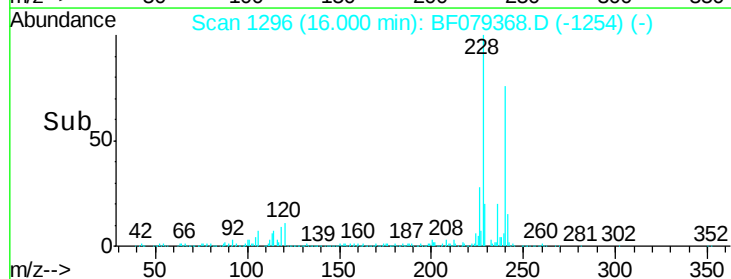
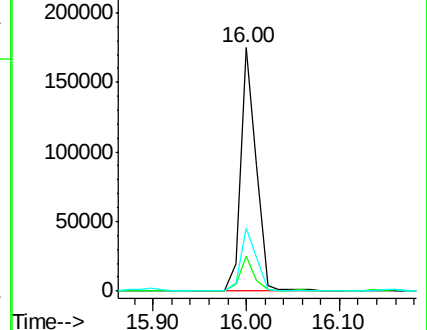
236 25.8 21.0 31.6

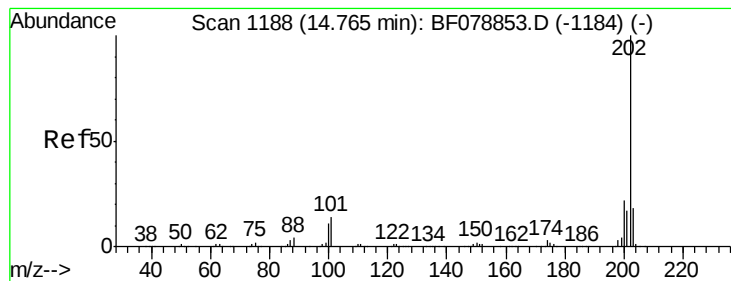


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 86.01 ng

RT: 14.50 min Scan# 1165

Delta R.T. 0.00 min

Lab File: BF079368.D

Acq: 20 May 2015 5:55

Instrument :

BNA_F

ClientSampleId :

SB-34S

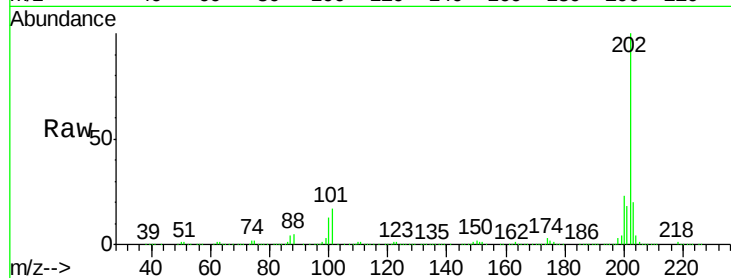
Tgt Ion:202 Resp: 992557

Ion Ratio Lower Upper

202 100

200 22.8 17.5 26.3

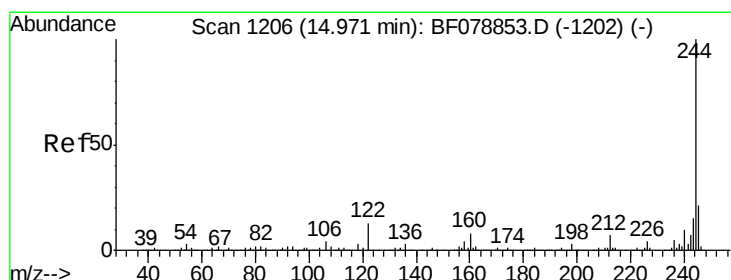
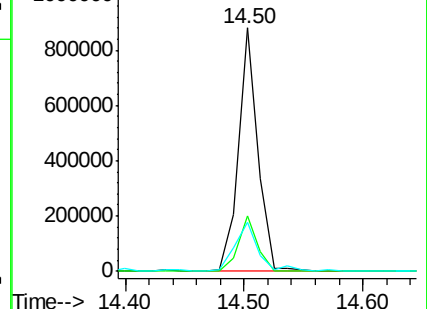
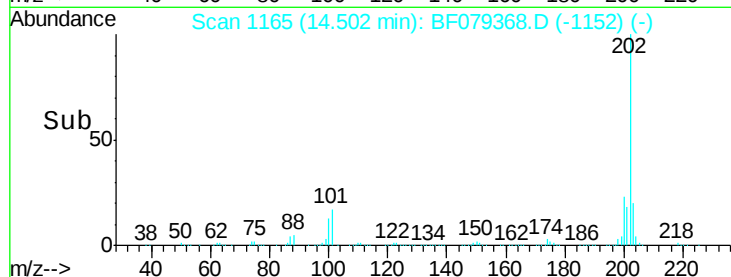
203 19.9 14.7 22.1



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: 57.93 ng

RT: 14.71 min Scan# 1183

Delta R.T. -0.01 min

Lab File: BF079368.D

Acq: 20 May 2015 5:55

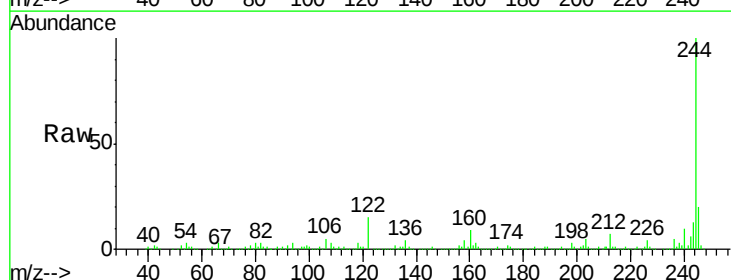
Tgt Ion:244 Resp: 484566

Ion Ratio Lower Upper

244 100

212 7.3 5.6 8.4

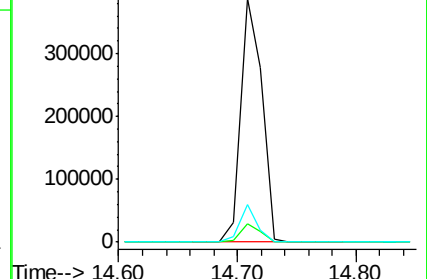
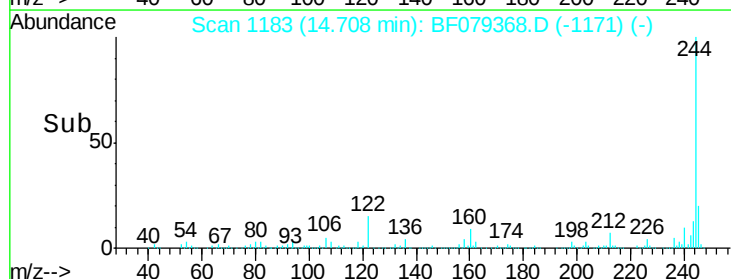
122 15.3 10.5 15.7

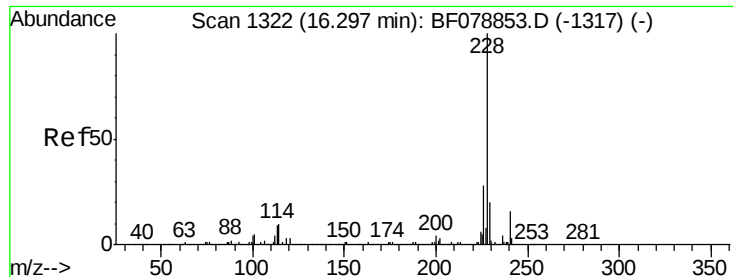


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

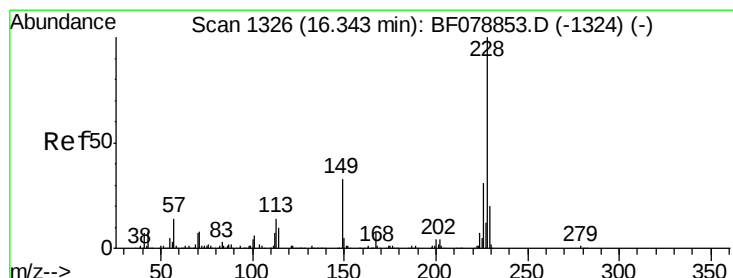
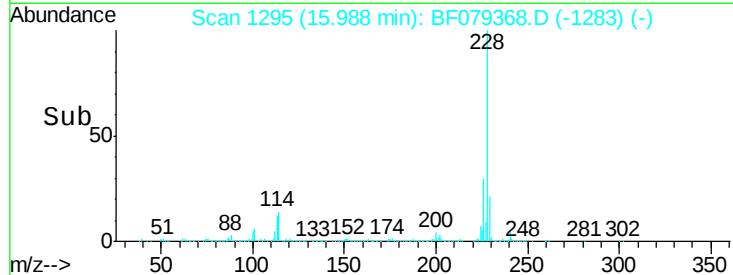
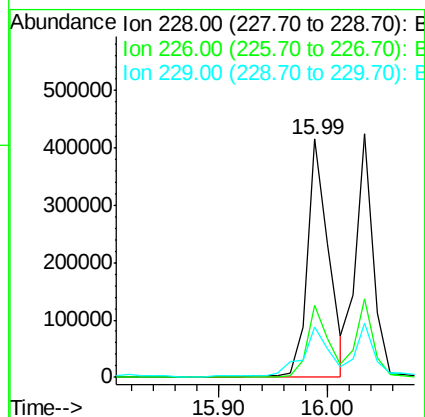
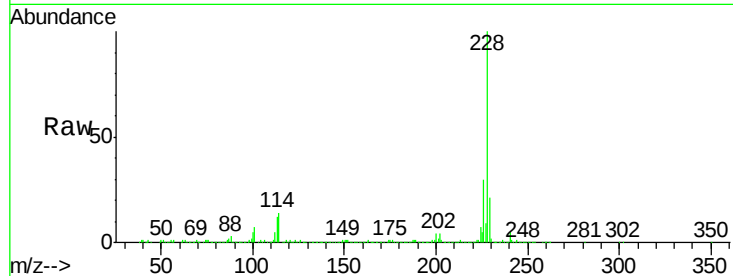




#80
Benzo(a)anthracene
Concen: 51.10 ng
RT: 15.99 min Scan# 1295
Delta R.T. -0.02 min
Lab File: BF079368.D
Acq: 20 May 2015 5:55

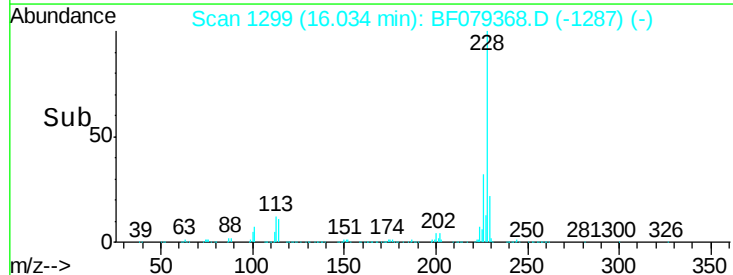
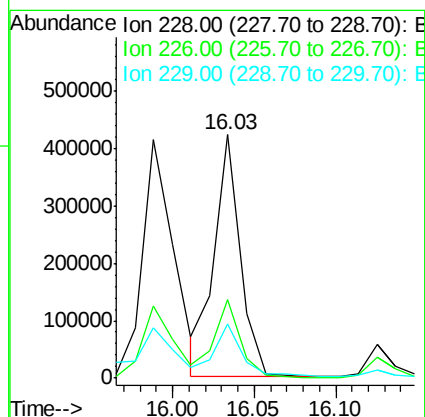
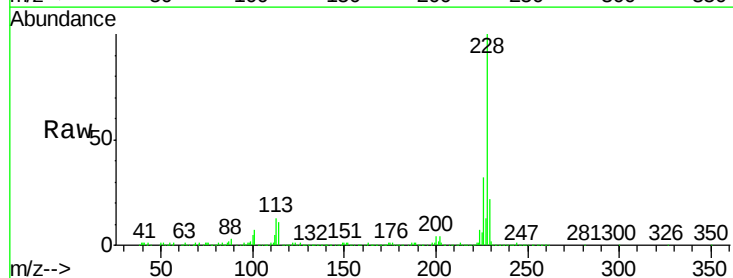
Instrument :
BNA_F
ClientSampleId :
SB-34S

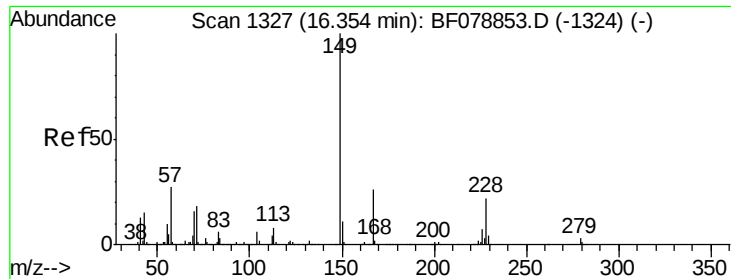
Tgt Ion:228 Resp: 560389
Ion Ratio Lower Upper
228 100
226 30.2 22.3 33.5
229 21.2 16.1 24.1



#82
Chrysene
Concen: 44.43 ng
RT: 16.03 min Scan# 1299
Delta R.T. -0.02 min
Lab File: BF079368.D
Acq: 20 May 2015 5:55

Tgt Ion:228 Resp: 468628
Ion Ratio Lower Upper
228 100
226 32.0 24.8 37.2
229 22.4 16.1 24.1

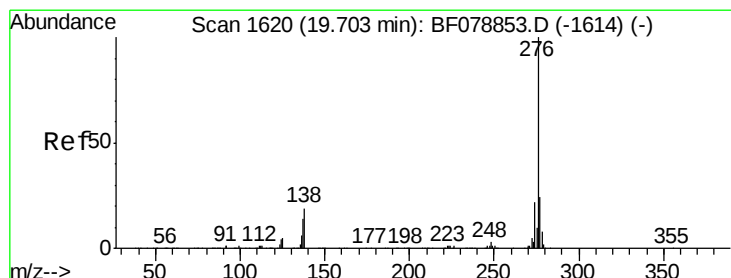
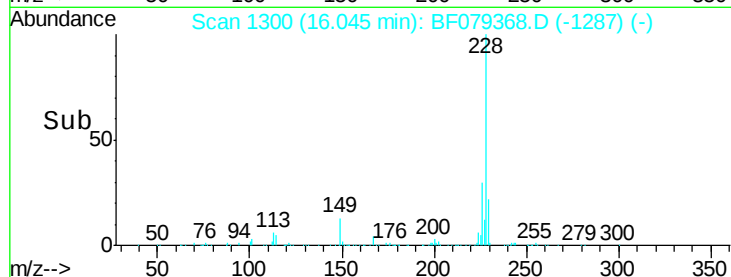
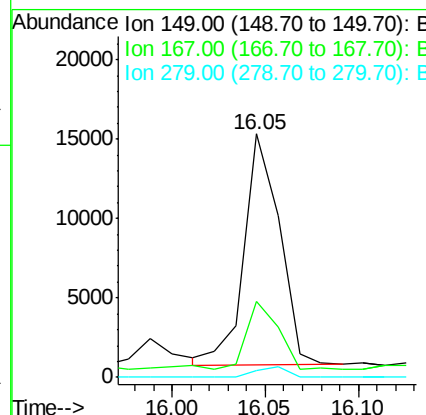
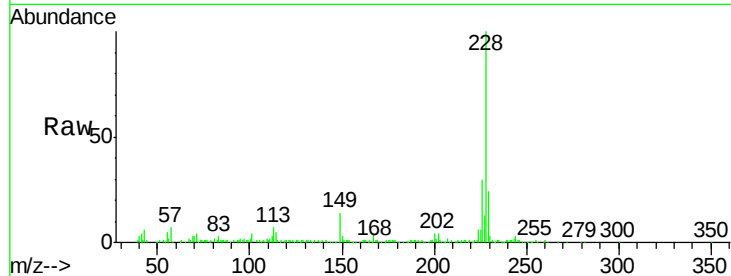




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 2.53 ng
 RT: 16.05 min Scan# 1300
 Delta R.T. -0.02 min
 Lab File: BF079368.D
 Acq: 20 May 2015 5:55

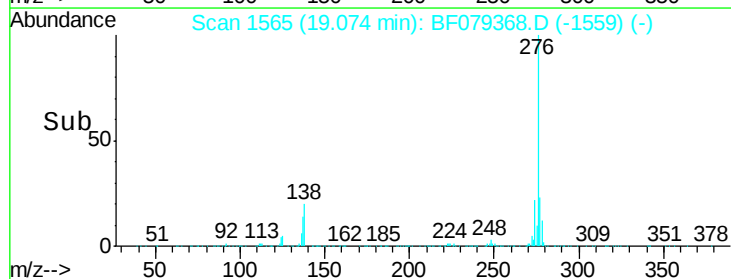
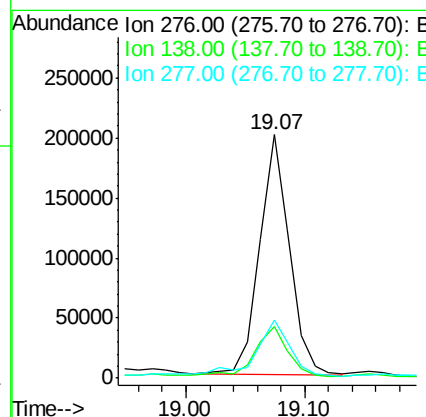
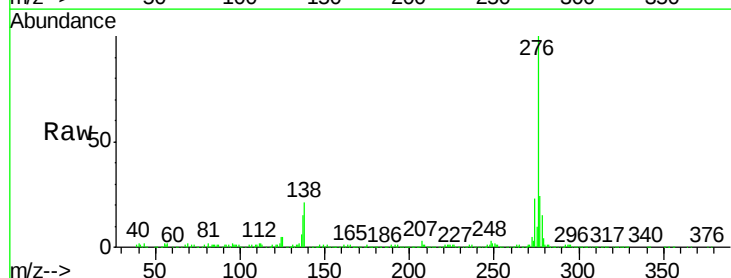
Instrument :
 BNA_F
 ClientSampleId :
 SB-34S

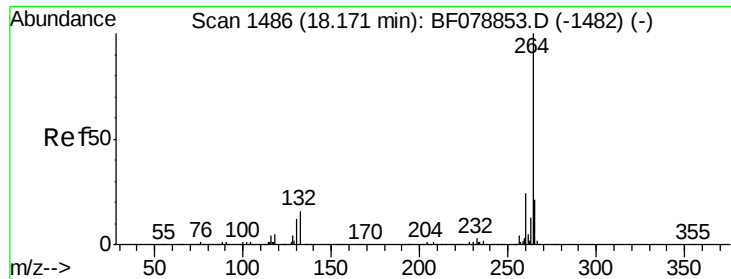
Tgt Ion:149 Resp: 19329
 Ion Ratio Lower Upper
 149 100
 167 31.4 21.2 31.8
 279 2.6 2.6 4.0#



#85
 Indeno(1,2,3-cd)pyrene
 Concen: 26.07 ng
 RT: 19.07 min Scan# 1565
 Delta R.T. -0.14 min
 Lab File: BF079368.D
 Acq: 20 May 2015 5:55

Tgt Ion:276 Resp: 350326
 Ion Ratio Lower Upper
 276 100
 138 22.1 21.1 31.7
 277 26.4 19.9 29.9

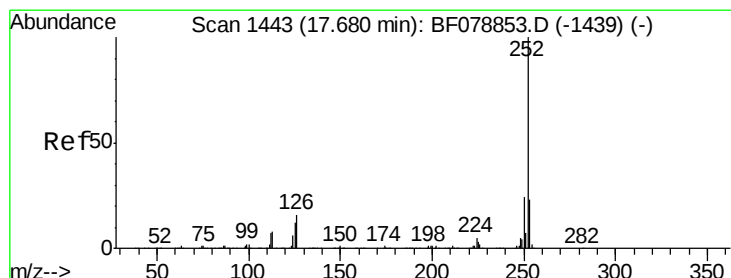
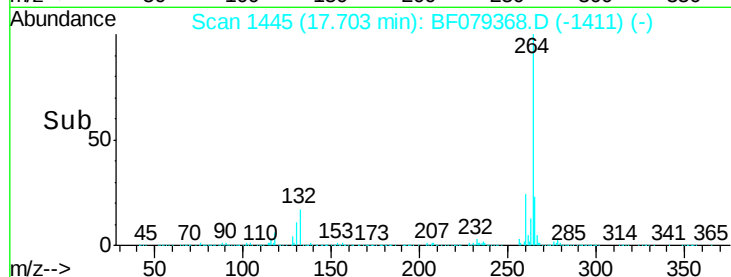
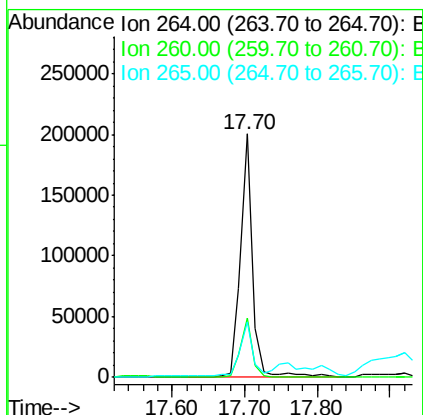
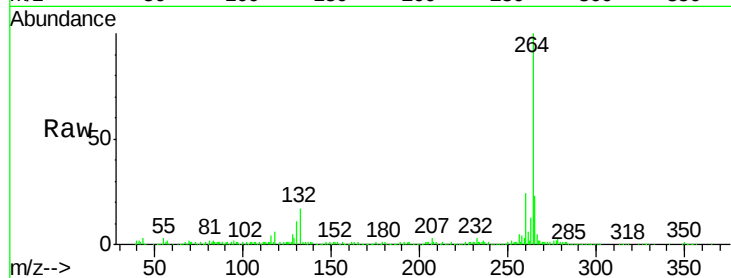




#86
Perylene-d12
Concen: 20.00 ng
RT: 17.70 min Scan# 1445
Delta R.T. -0.11 min
Lab File: BF079368.D
Acq: 20 May 2015 5:55

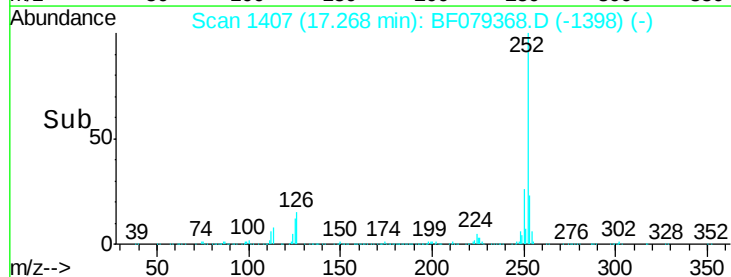
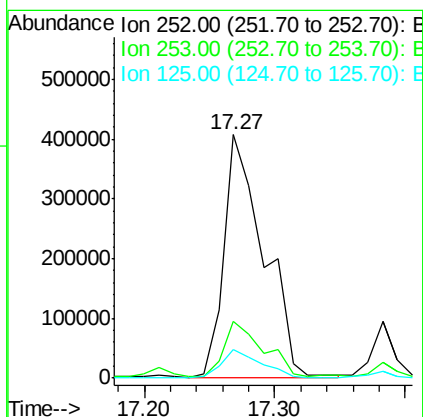
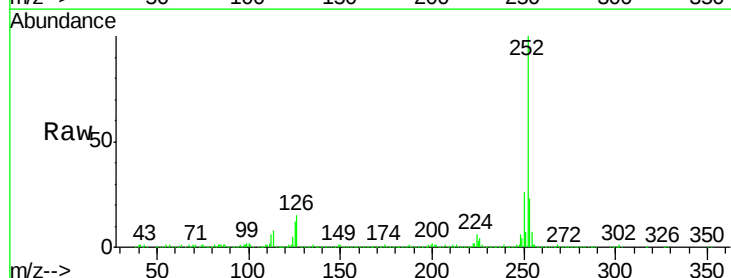
Instrument :
BNA_F
ClientSampleId :
SB-34S

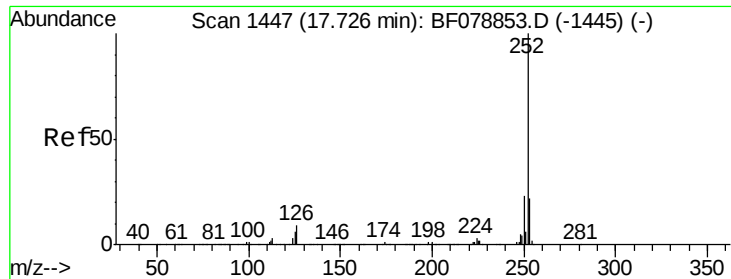
Tgt Ion: 264 Resp: 231135
Ion Ratio Lower Upper
264 100
260 24.5 19.2 28.8
265 22.8 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 68.35 ng
RT: 17.27 min Scan# 1407
Delta R.T. -0.08 min
Lab File: BF079368.D
Acq: 20 May 2015 5:55

Tgt Ion: 252 Resp: 864703
Ion Ratio Lower Upper
252 100
253 23.1 18.1 27.1
125 11.9 9.4 14.2

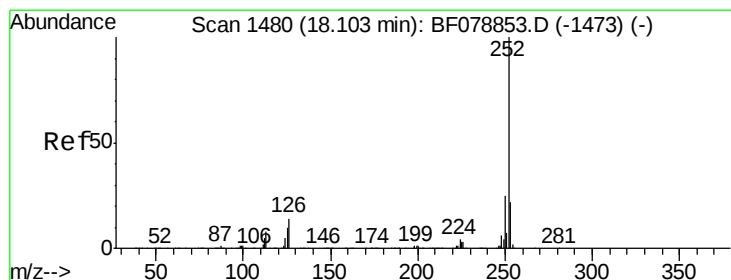
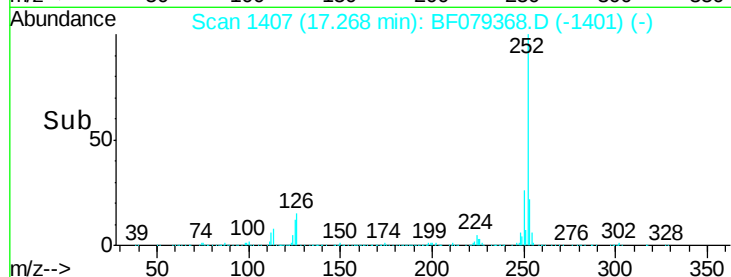
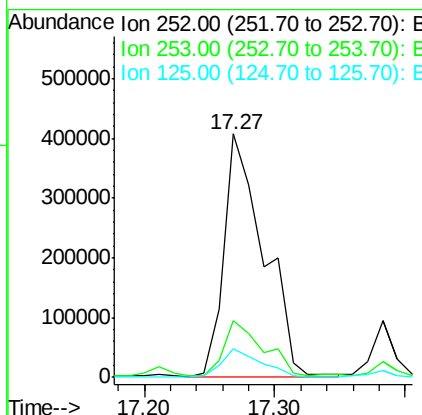
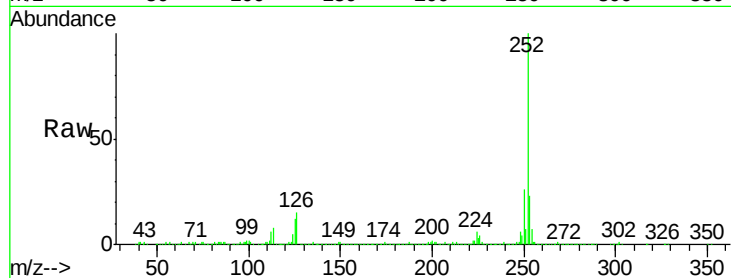




#88
Benzo(k)fluoranthene
Concen: 70.60 ng
RT: 17.27 min Scan# 1407
Delta R.T. -0.11 min
Lab File: BF079368.D
Acq: 20 May 2015 5:55

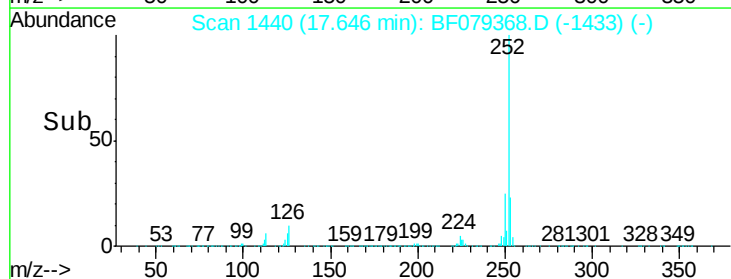
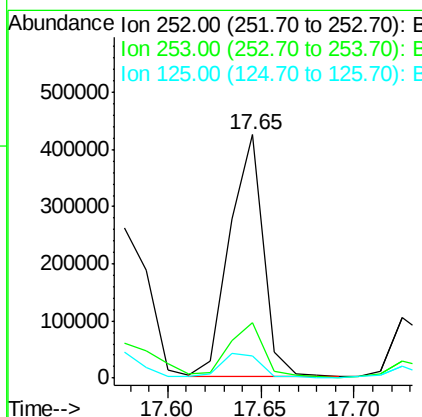
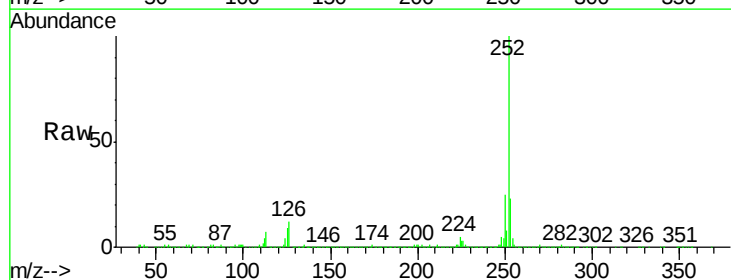
Instrument :
BNA_F
ClientSampleId :
SB-34S

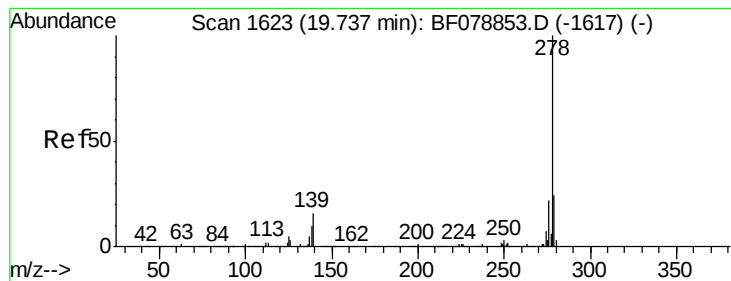
Tgt Ion:252 Resp: 864703
Ion Ratio Lower Upper
252 100
253 23.1 17.4 26.0
125 11.9 6.1 9.1#



#89
Benzo(a)pyrene
Concen: 45.91 ng
RT: 17.65 min Scan# 1440
Delta R.T. -0.10 min
Lab File: BF079368.D
Acq: 20 May 2015 5:55

Tgt Ion:252 Resp: 534755
Ion Ratio Lower Upper
252 100
253 22.9 18.0 27.0
125 8.9 8.2 12.2



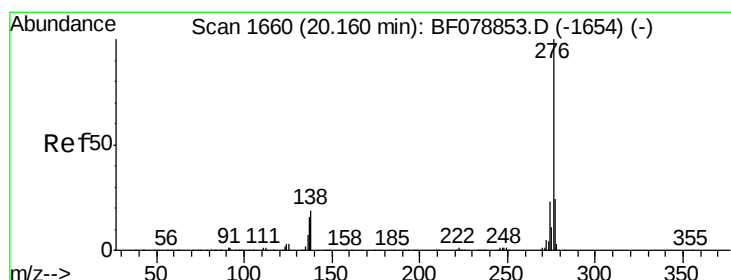
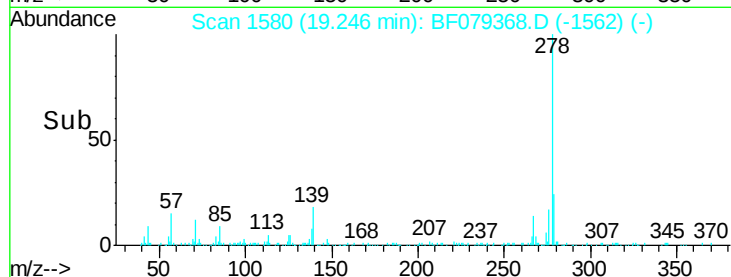
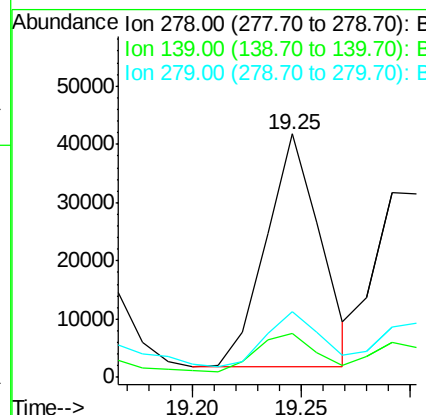
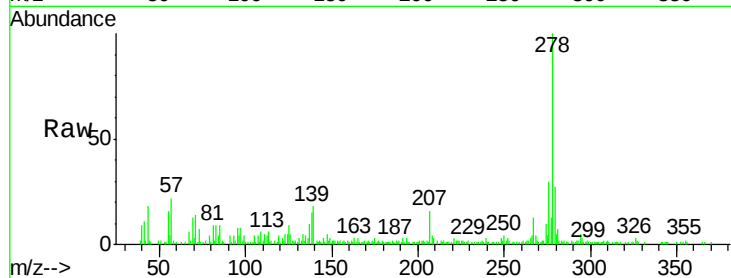


#90
Dibenzo(a,h)anthracene
Concen: 5.65 ng
RT: 19.25 min Scan# 1580
Delta R.T. 0.00 min
Lab File: BF079368.D
Acq: 20 May 2015 5:55

Instrument :
BNA_F
ClientSampled :
SB-34S

Tgt Ion: 278 Resp: 69984

Ion	Ratio	Lower	Upper
278	100		
139	17.9	13.1	19.7
279	27.0	19.1	28.7



#91
Benzo(g,h,i)perylene
Concen: 28.67 ng
RT: 19.49 min Scan# 1601
Delta R.T. -0.14 min
Lab File: BF079368.D
Acq: 20 May 2015 5:55

Tgt Ion: 276 Resp: 355691

Ion	Ratio	Lower	Upper
276	100		
277	23.7	18.8	28.2
138	21.8	15.2	22.8

