

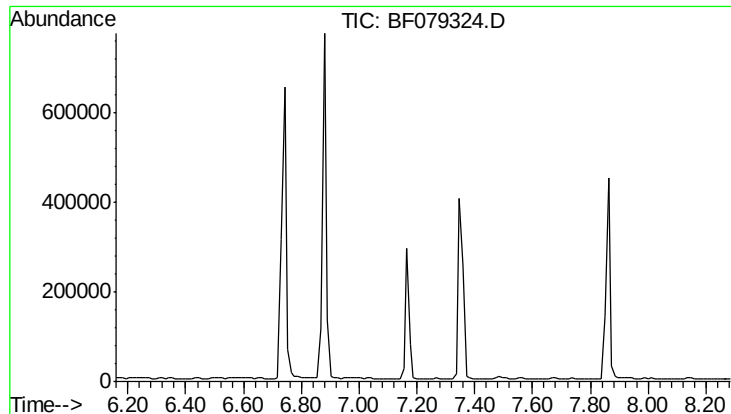
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051815\
 Data File : BF079324.D
 Acq On : 19 May 2015 1:05
 Operator : TP/IZ
 Sample : G2270-11
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-08

Quant Time: May 19 02:05:17 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 15 01:57:52 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	0.00	152	0	0.00	ng	-7.22
21) Naphthalene-d8	8.74	136	174724	20.00	ng	-0.06
38) Acenaphthene-d10	10.91	164	88315	20.00	ng	-0.06
63) Phenanthrene-d10	12.75	188	172820	20.00	ng	-0.07
75) Chrysene-d12	16.55	240	6672	20.00	ng	0.05
86) Perylene-d12	18.93	264	984	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	7.86	82	145597	47.89	ng	-0.06
41) 2,4,6-Tribromophenol	11.90	330	86377	90.41	ng	-0.06
44) 2-Fluorobiphenyl	10.09	172	336239	53.04	ng	-0.06
78) Terphenyl-d14	15.01	244	211	0.76	ng	0.08
Target Compounds						
31) Naphthalene	8.76	128	20328	2.44	ng	Qvalue 98
48) Acenaphthylene	10.74	152	33543	3.73	ng	99
49) Dimethylphthalate	10.59	163	30471	4.70	ng	100
57) Fluorene	11.60	166	19787	3.11	ng	96
70) Phenanthrene	12.79	178	195125	20.18	ng	99
71) Anthracene	12.86	178	69850	7.36	ng	99
74) Fluoranthene	14.26	202	298535	29.63	ng	98
77) Pyrene	14.75	202	5723	14.89	ng	# 1
79) Butylbenzylphthalate	15.71	149	878	5.22	ng	# 63
80) Benzo(a)anthracene	16.55	228	1070	2.93	ng	# 1
81) 3,3'-Dichlorobenzidine	16.54	252	436	3.35	ng	# 62
82) Chrysene	16.64	228	891	2.54	ng	# 1
84) Di-n-octyl phthalate	17.75	149	2360	5.26	ng	# 1
87) Benzo(b)fluoranthene	18.38	252	1160	21.54	ng	# 1
88) Benzo(k)fluoranthene	18.38	252	1178	22.59	ng	# 1
89) Benzo(a)pyrene	18.80	252	1253	25.27	ng	# 1
90) Dibenzo(a,h)anthracene	20.69	278	660	12.52	ng	# 1
91) Benzo(g,h,i)perylene	21.17	276	824	15.60	ng	# 1

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



#1

1,4-Dichlorobenzene-d4

Concen: 0.00 ng

Expected RT: 7.22 min

Lab File: BF079324.D

Acq: 19 May 2015 1:05

Instrument :

BNA_F

ClientSampleId :

SB-08

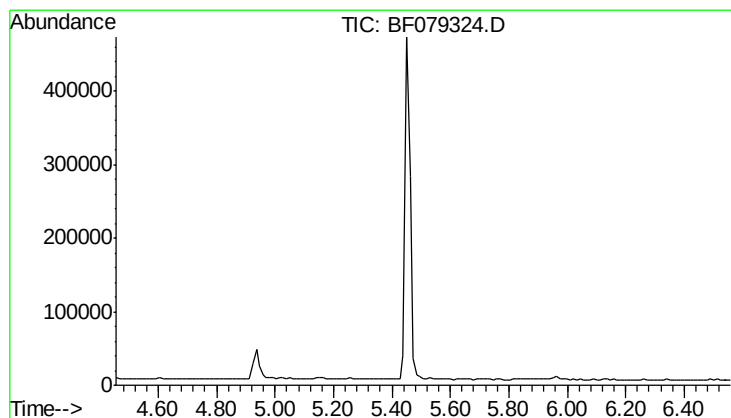
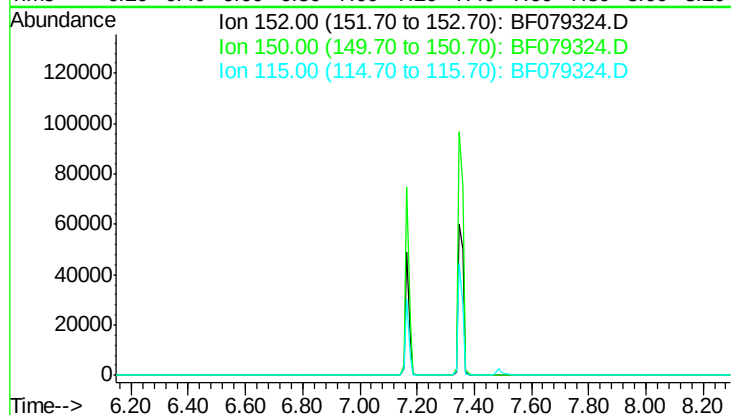
Tgt Ion: 152

Sig Exp Ratio

152 100

150 154.8

115 61.7



#5

2-Fluorophenol

Concen: 0.00 ng

Expected RT: 5.51 min

Lab File: BF079324.D

Acq: 19 May 2015 1:05

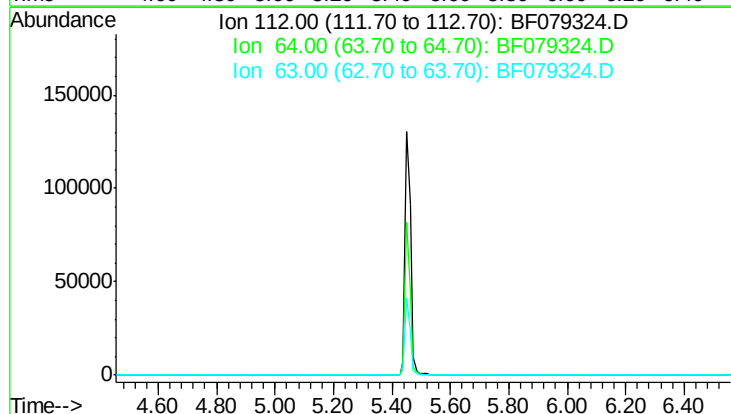
Tgt Ion: 112

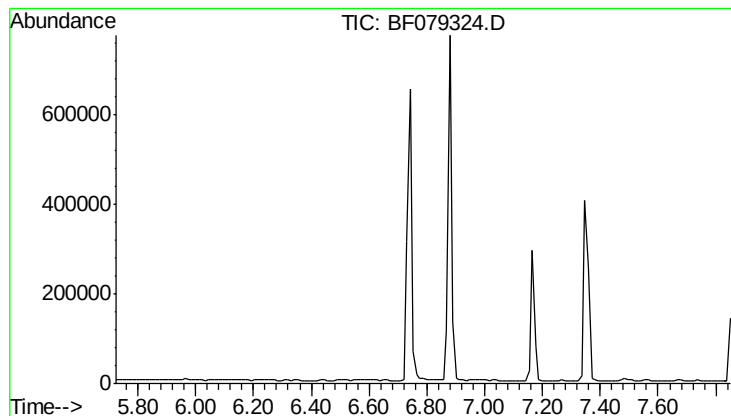
Sig Exp Ratio

112 100

64 55.2

63 28.4





#7

Phenol-d6

Concen: 0.00 ng

Expected RT: 6.79 min

Lab File: BF079324.D

Acq: 19 May 2015 1:05

Instrument :

BNA_F

ClientSampleId :

SB-08

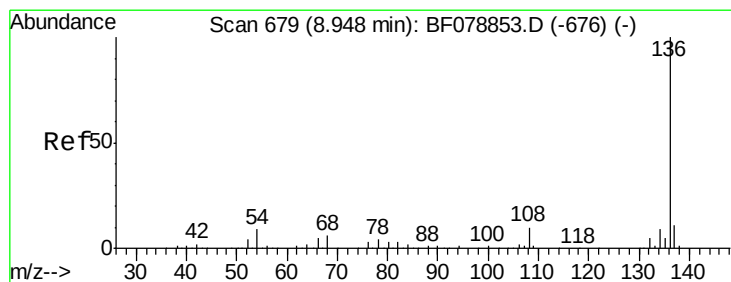
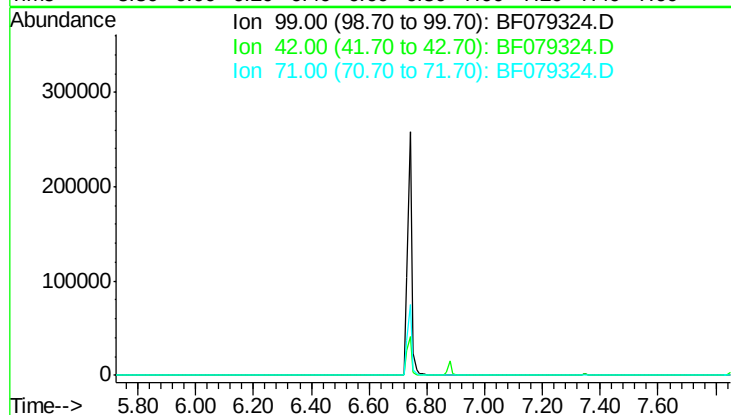
Tgt Ion: 99

Sig Exp Ratio

99 100

42 21.4

71 32.9



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.74 min Scan# 661

Delta R.T. -0.06 min

Lab File: BF079324.D

Acq: 19 May 2015 1:05

Tgt Ion: 136 Resp: 174724

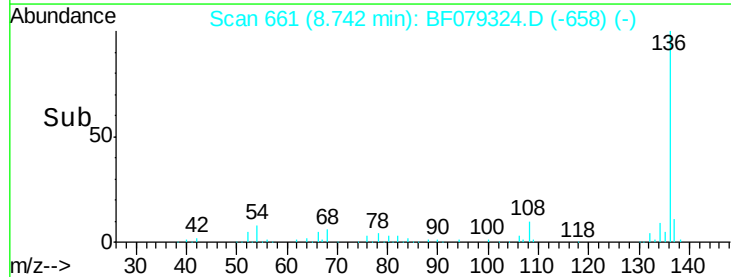
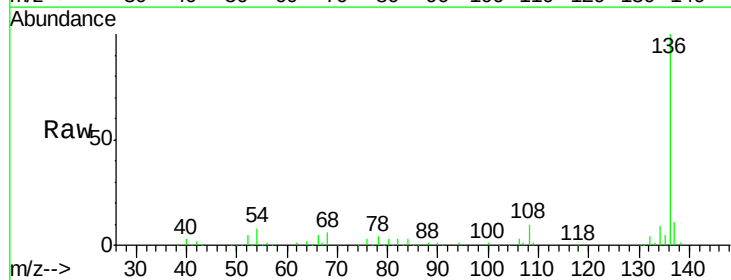
Ion Ratio Lower Upper

136 100

137 10.9 8.8 13.2

54 8.1 6.9 10.3

68 5.9 4.9 7.3

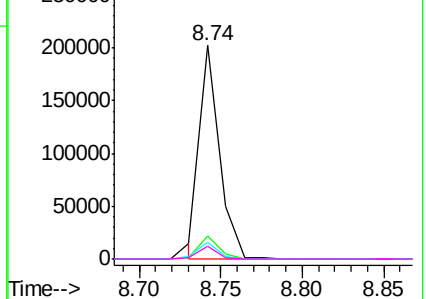


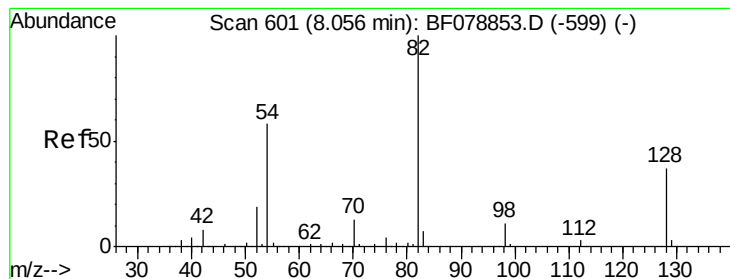
Abundance Ion 136.00 (135.70 to 136.70): E

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: 47.89 ng

RT: 7.86 min Scan# 584

Delta R.T. -0.06 min

Lab File: BF079324.D

Acq: 19 May 2015 1:05

Instrument :

BNA_F

ClientSampled :

SB-08

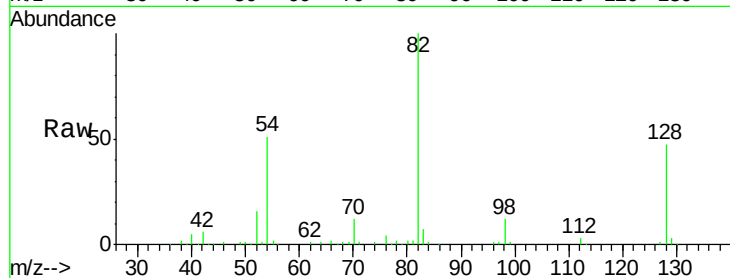
Tgt Ion: 82 Resp: 145597

Ion Ratio Lower Upper

82 100

128 47.2 29.7 44.5#

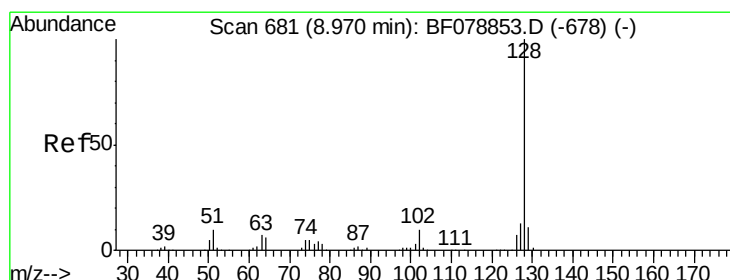
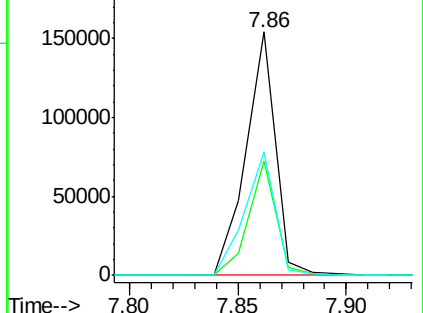
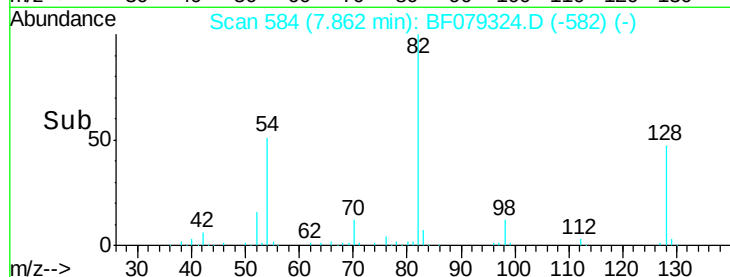
54 50.5 46.2 69.4



Abundance Ion 82.00 (81.70 to 82.70): BF079324.D (-582) (-)

Ion 128.00 (127.70 to 128.70): BF079324.D (-582) (-)

Ion 54.00 (53.70 to 54.70): BF079324.D (-582) (-)



#31

Naphthalene

Concen: 2.44 ng

RT: 8.76 min Scan# 663

Delta R.T. -0.06 min

Lab File: BF079324.D

Acq: 19 May 2015 1:05

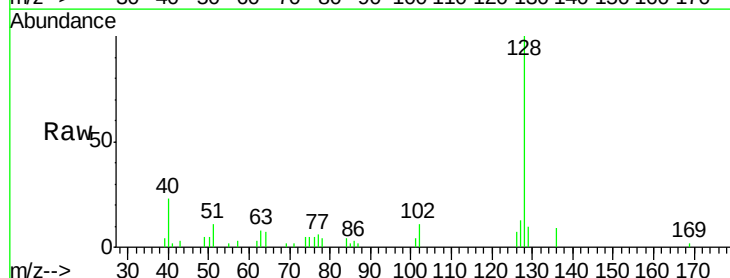
Tgt Ion: 128 Resp: 20328

Ion Ratio Lower Upper

128 100

129 10.0 9.2 13.8

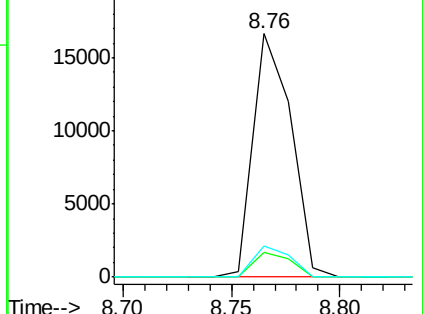
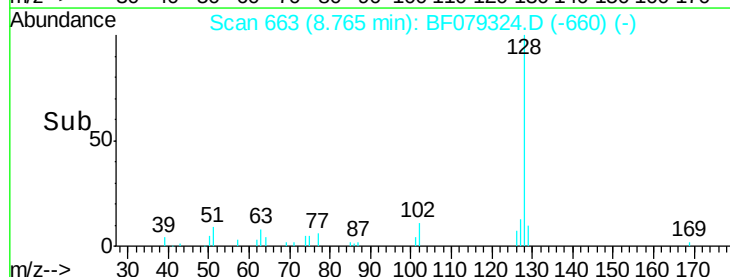
127 12.6 10.3 15.5

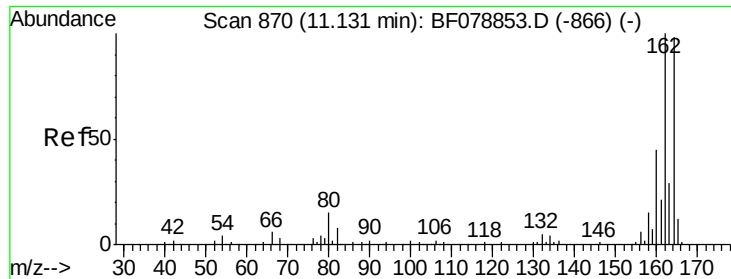


Abundance Ion 128.00 (127.70 to 128.70): BF079324.D (-660) (-)

Ion 129.00 (128.70 to 129.70): BF079324.D (-660) (-)

Ion 127.00 (126.70 to 127.70): BF079324.D (-660) (-)

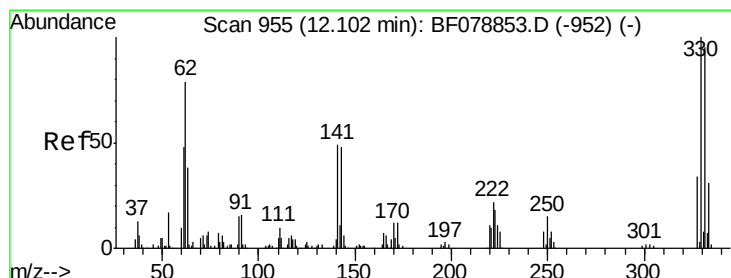
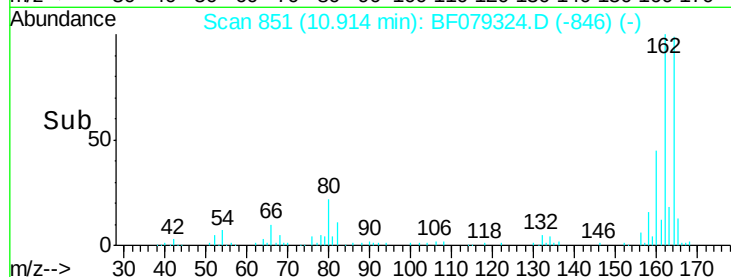
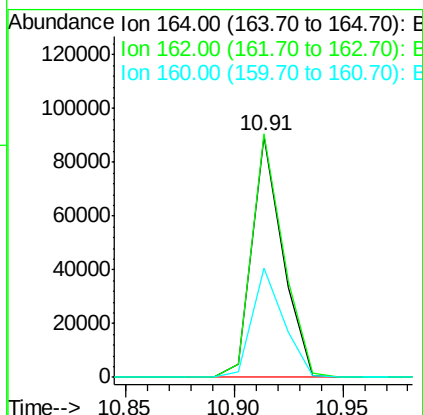
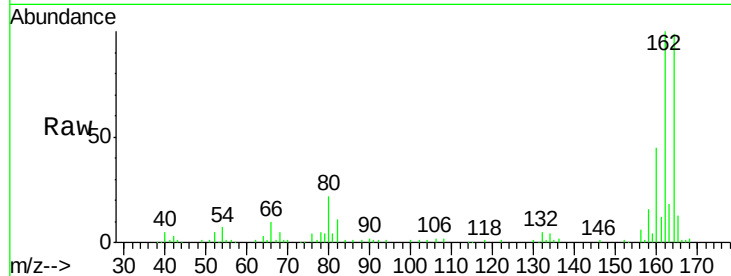




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.91 min Scan# 851
 Delta R.T. -0.06 min
 Lab File: BF079324.D
 Acq: 19 May 2015 1:05

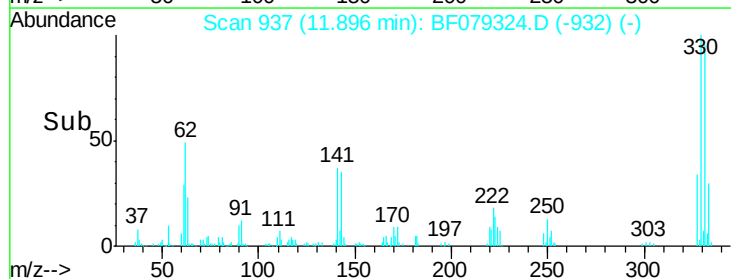
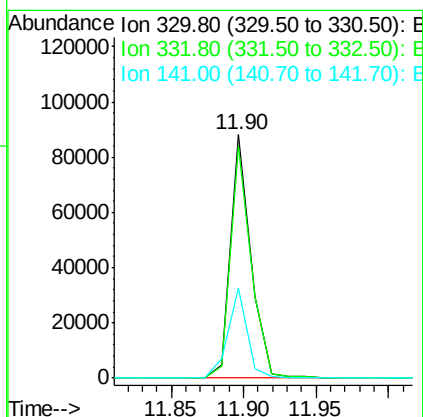
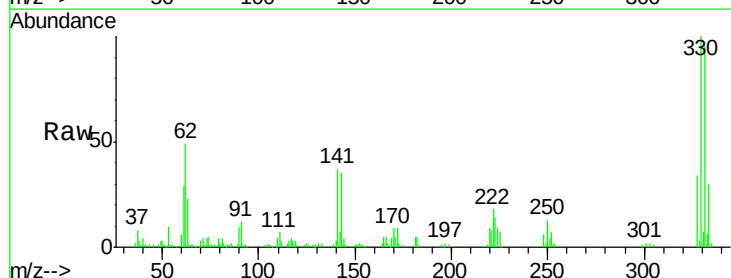
Instrument :
 BNA_F
 ClientSampleId :
 SB-08

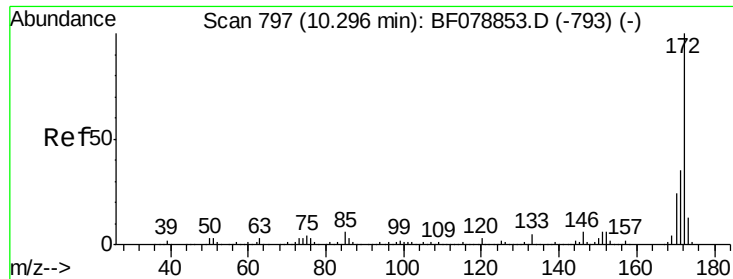
Tgt Ion:164 Resp: 88315
 Ion Ratio Lower Upper
 164 100
 162 100.8 81.4 122.0
 160 45.2 36.6 54.8



#41
 2,4,6-Tribromophenol
 Concen: 90.41 ng
 RT: 11.90 min Scan# 937
 Delta R.T. -0.06 min
 Lab File: BF079324.D
 Acq: 19 May 2015 1:05

Tgt Ion:330 Resp: 86377
 Ion Ratio Lower Upper
 330 100
 332 96.2 76.9 115.3
 141 35.0 27.8 41.8

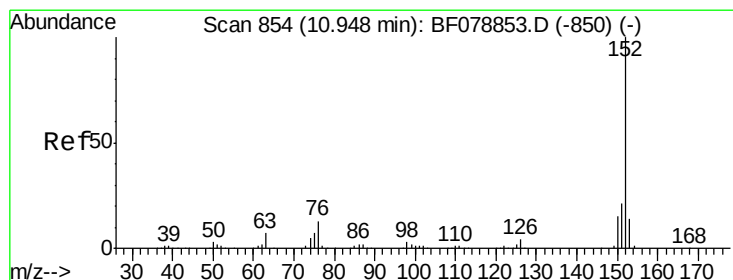
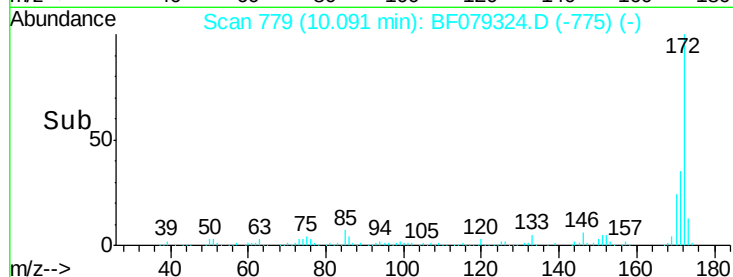
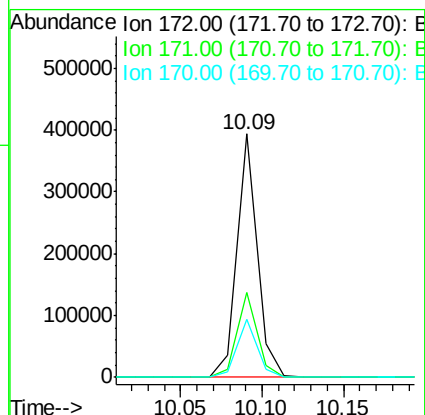
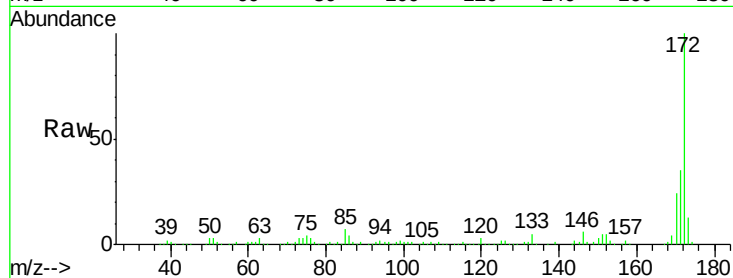




#44
 2-Fluorobiphenyl
 Concen: 53.04 ng
 RT: 10.09 min Scan# 779
 Delta R.T. -0.06 min
 Lab File: BF079324.D
 Acq: 19 May 2015 1:05

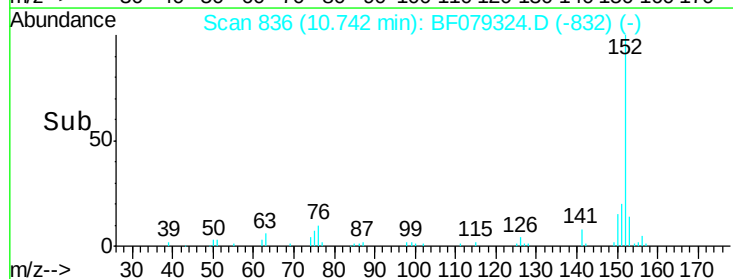
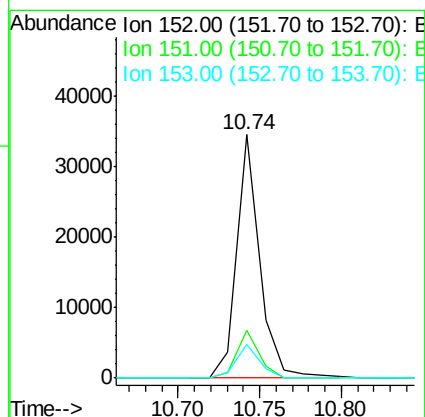
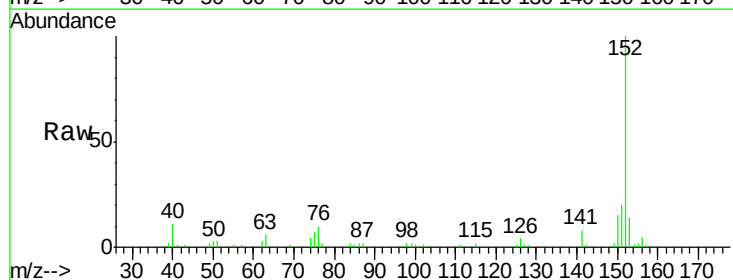
Instrument :
 BNA_F
 ClientSampleId :
 SB-08

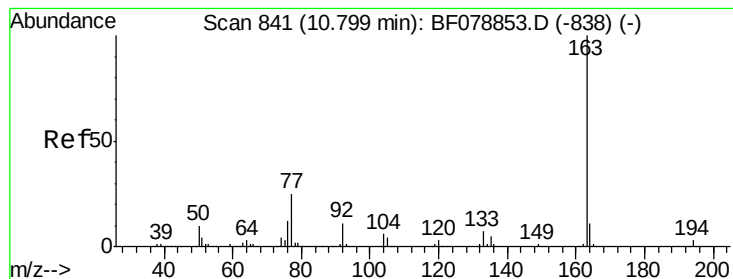
Tgt Ion:172 Resp: 336239
 Ion Ratio Lower Upper
 172 100
 171 35.1 28.3 42.5
 170 23.6 19.4 29.2



#48
 Acenaphthylene
 Concen: 3.73 ng
 RT: 10.74 min Scan# 836
 Delta R.T. -0.06 min
 Lab File: BF079324.D
 Acq: 19 May 2015 1:05

Tgt Ion:152 Resp: 33543
 Ion Ratio Lower Upper
 152 100
 151 19.8 16.6 24.8
 153 13.7 11.0 16.6





#49

Dimethylphthalate

Concen: 4.70 ng

RT: 10.59 min Scan# 823

Delta R.T. -0.07 min

Lab File: BF079324.D

Acq: 19 May 2015 1:05

Instrument :

BNA_F

ClientSampleId :

SB-08

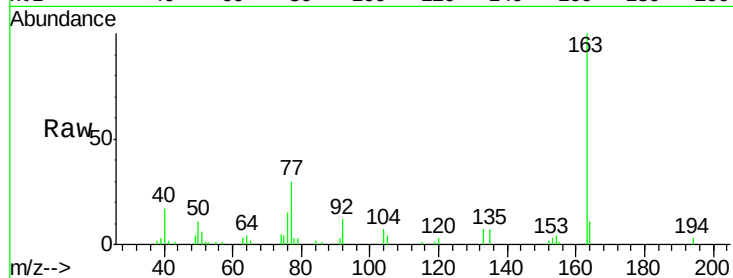
Tgt Ion:163 Resp: 30471

Ion Ratio Lower Upper

163 100

194 2.8 2.4 3.6

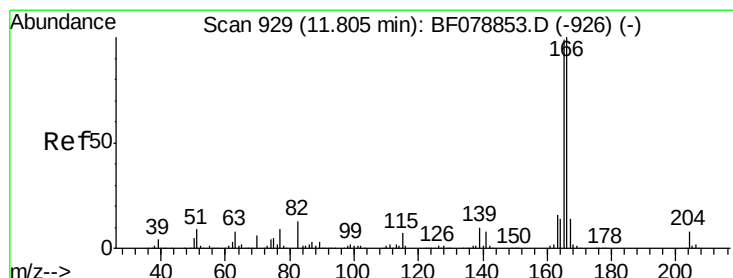
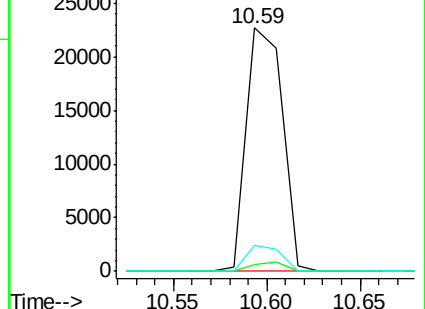
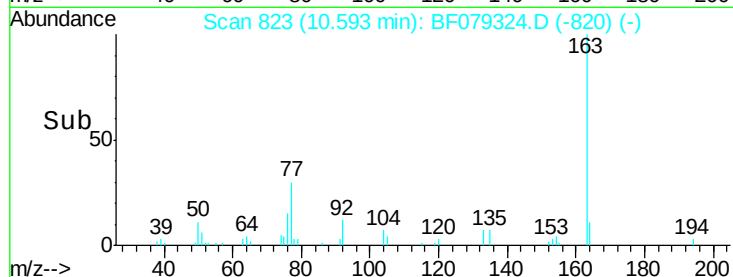
164 10.7 8.6 12.8



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



#57

Fluorene

Concen: 3.11 ng

RT: 11.60 min Scan# 911

Delta R.T. -0.06 min

Lab File: BF079324.D

Acq: 19 May 2015 1:05

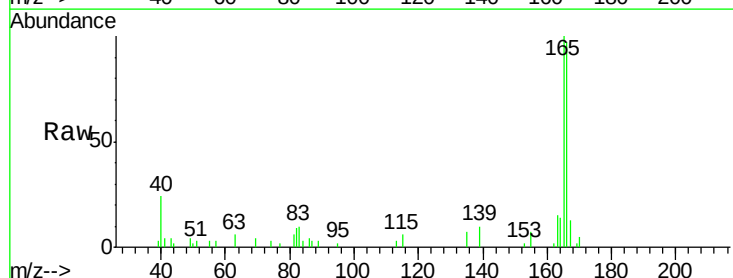
Tgt Ion:166 Resp: 19787

Ion Ratio Lower Upper

166 100

165 103.6 79.5 119.3

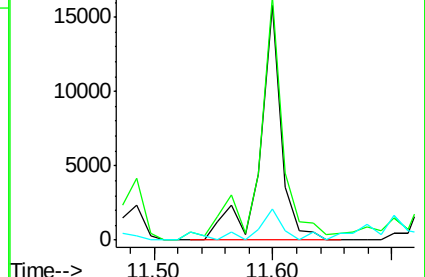
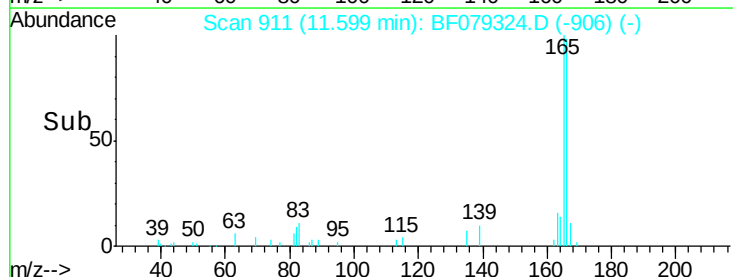
167 13.3 11.0 16.6

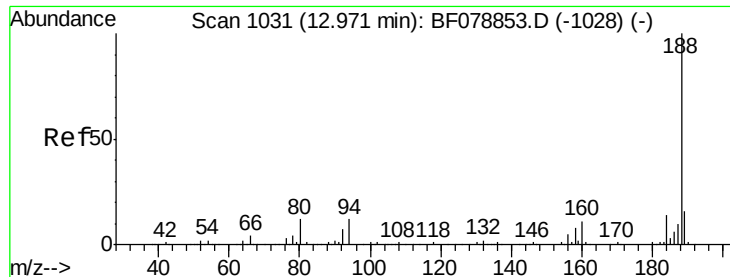


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

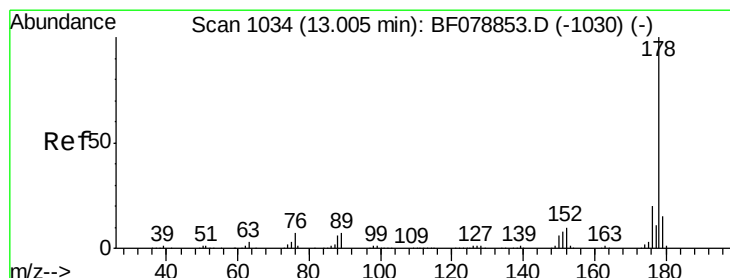
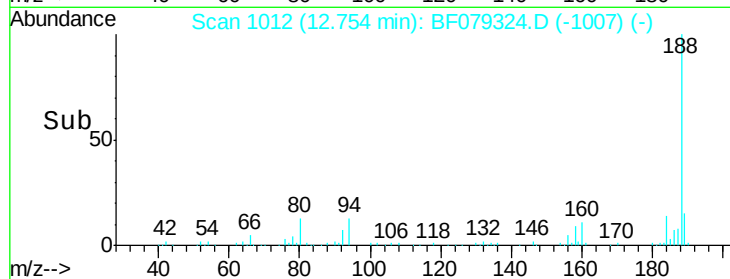
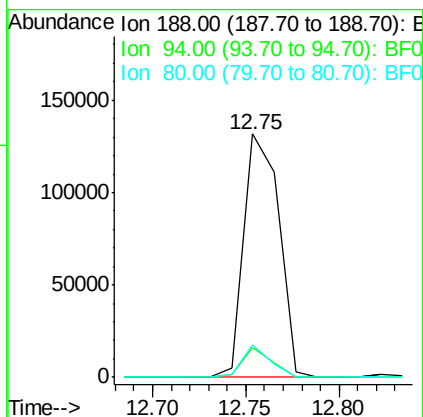
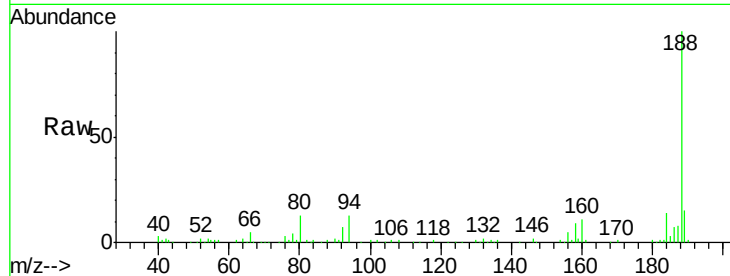




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 12.75 min Scan# 1012
 Delta R.T. -0.07 min
 Lab File: BF079324.D
 Acq: 19 May 2015 1:05

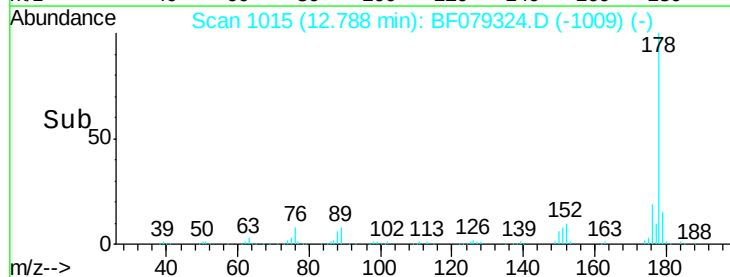
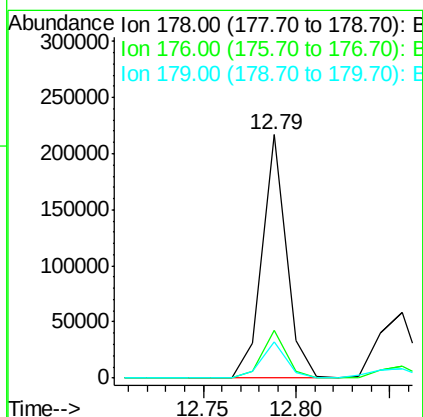
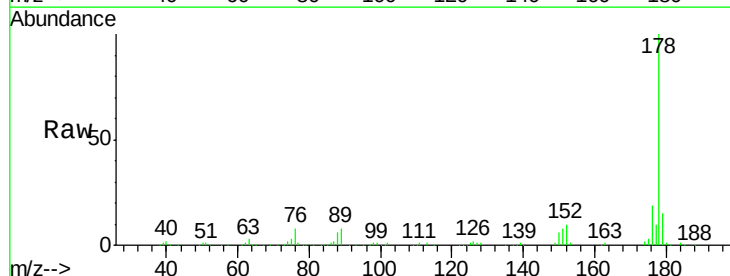
Instrument :
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 SB-08

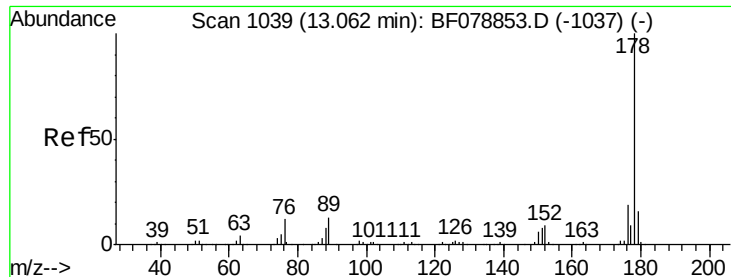
Tgt Ion:188 Resp: 172820
 Ion Ratio Lower Upper
 188 100
 94 12.5 9.4 14.0
 80 13.4 9.8 14.6



#70
 Phenanthrene
 Concen: 20.18 ng
 RT: 12.79 min Scan# 1015
 Delta R.T. -0.06 min
 Lab File: BF079324.D
 Acq: 19 May 2015 1:05

Tgt Ion:178 Resp: 195125
 Ion Ratio Lower Upper
 178 100
 176 19.4 15.9 23.9
 179 14.9 12.2 18.4

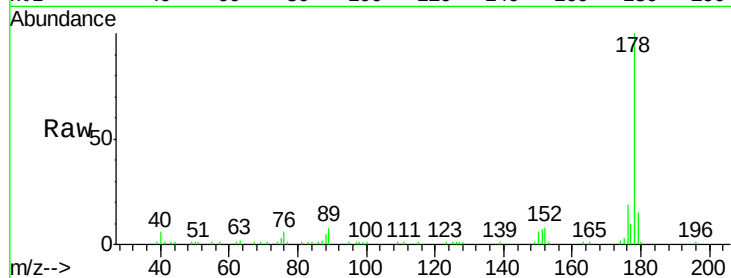




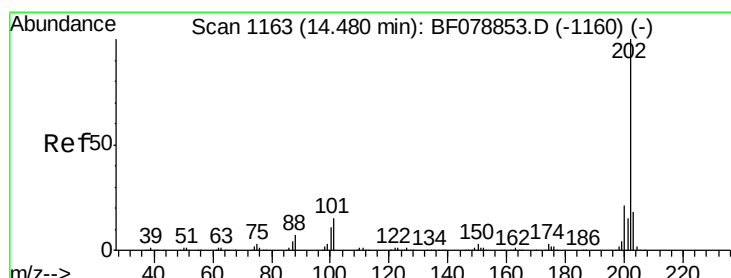
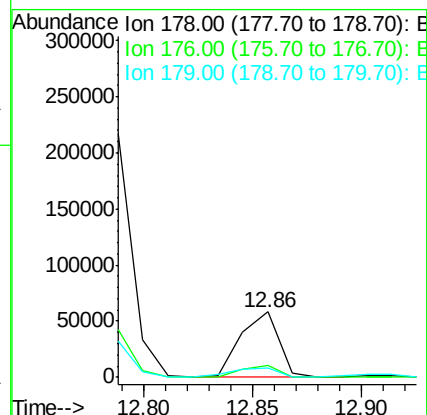
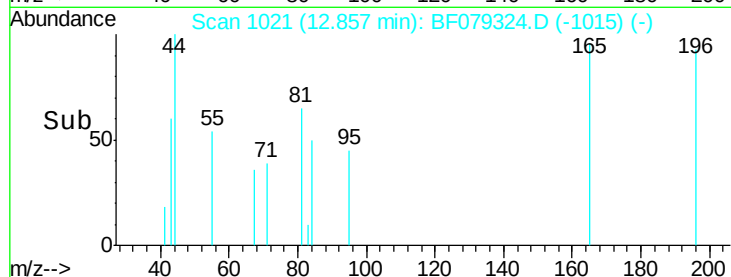
#71
 Anthracene
 Concen: 7.36 ng
 RT: 12.86 min Scan# 1021
 Delta R.T. -0.06 min
 Lab File: BF079324.D
 Acq: 19 May 2015 1:05

Instrument :
 BNA_F
 ClientSampleID :
 SB-08

Tgt Ion:178 Resp: 69850
 Ion Ratio Lower Upper
 178 100
 176 19.0 15.3 22.9
 179 14.8 12.6 19.0

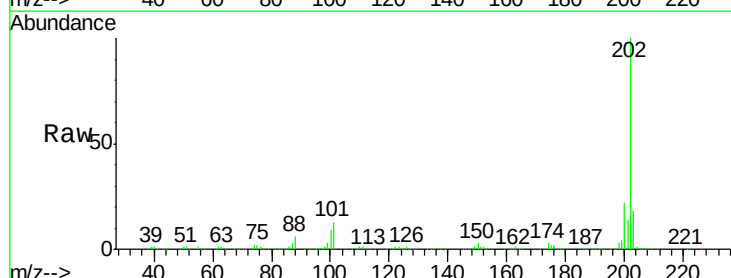


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

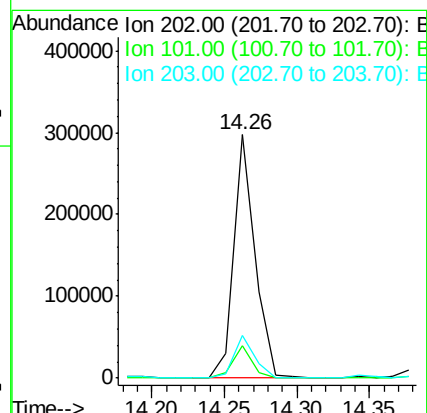
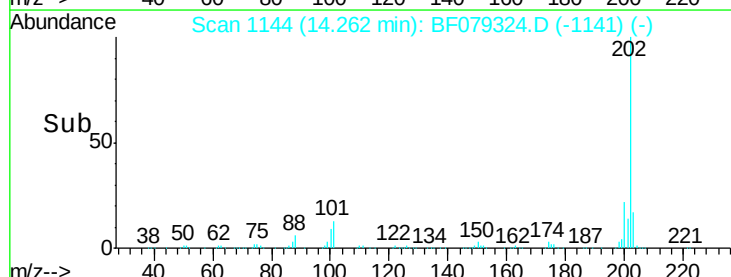


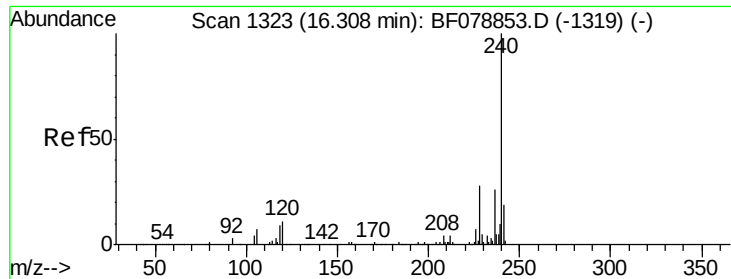
#74
 Fluoranthene
 Concen: 29.63 ng
 RT: 14.26 min Scan# 1144
 Delta R.T. -0.11 min
 Lab File: BF079324.D
 Acq: 19 May 2015 1:05

Tgt Ion:202 Resp: 298535
 Ion Ratio Lower Upper
 202 100
 101 13.1 0.0 34.7
 203 17.6 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: 16.55 min Scan# 1344

Delta R.T. 0.05 min

Lab File: BF079324.D

Acq: 19 May 2015 1:05

Instrument :

BNA_F

ClientSampleId :

SB-08

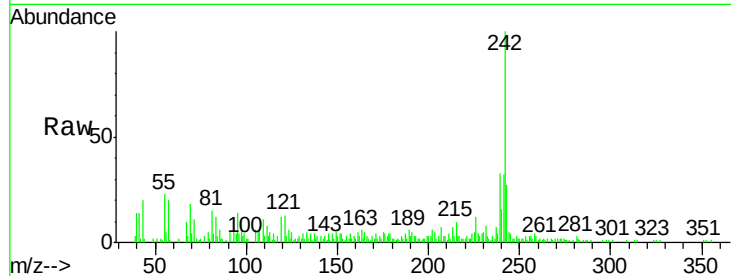
Tgt Ion:240 Resp: 6672

Ion Ratio Lower Upper

240 100

120 0.0 8.6 12.8#

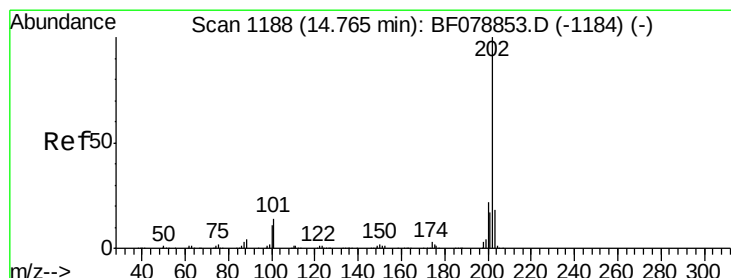
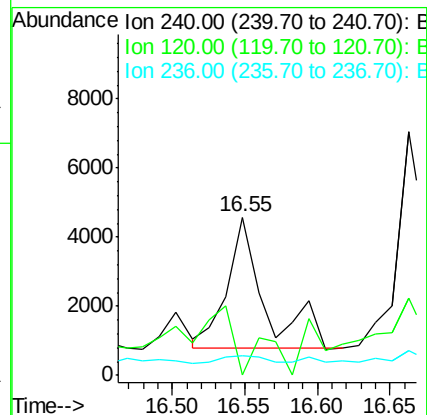
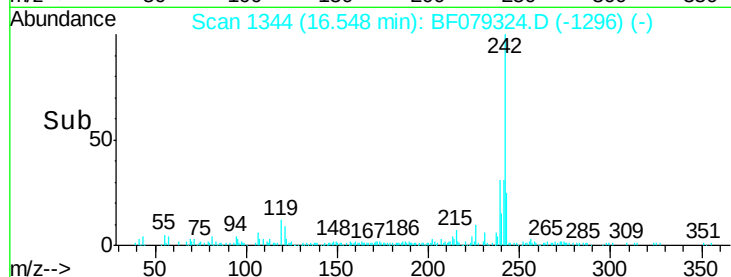
236 12.7 21.0 31.6#



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: 14.89 ng

RT: 14.75 min Scan# 1187

Delta R.T. 0.07 min

Lab File: BF079324.D

Acq: 19 May 2015 1:05

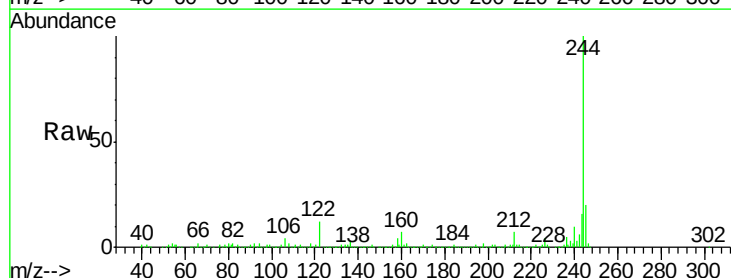
Tgt Ion:202 Resp: 5723

Ion Ratio Lower Upper

202 100

200 26.5 17.5 26.3#

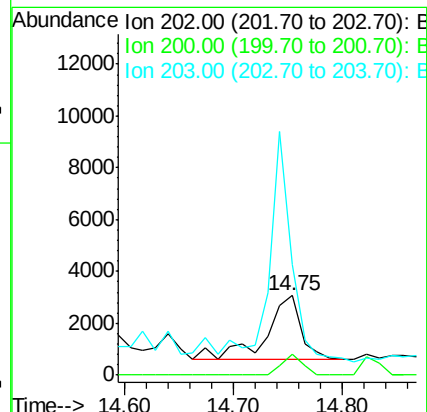
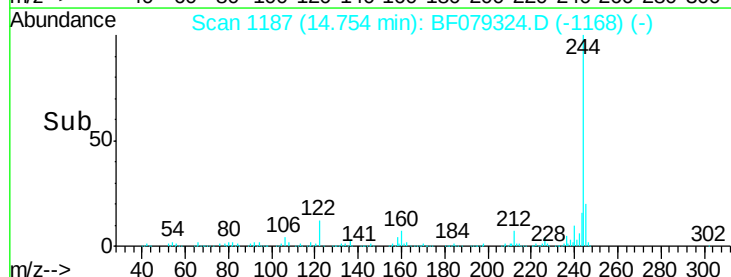
203 140.0 14.7 22.1#

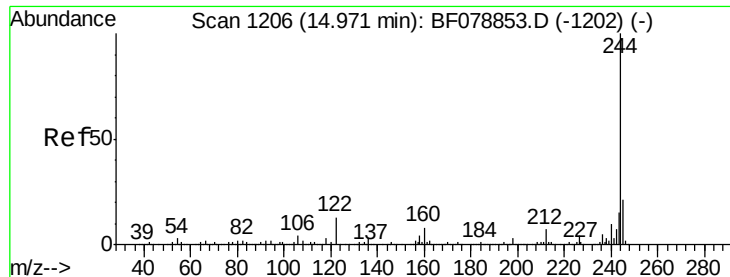


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 0.76 ng

RT: 15.01 min Scan# 1209

Delta R.T. 0.08 min

Lab File: BF079324.D

Acq: 19 May 2015 1:05

Instrument :

BNA_F

ClientSampled :

SB-08

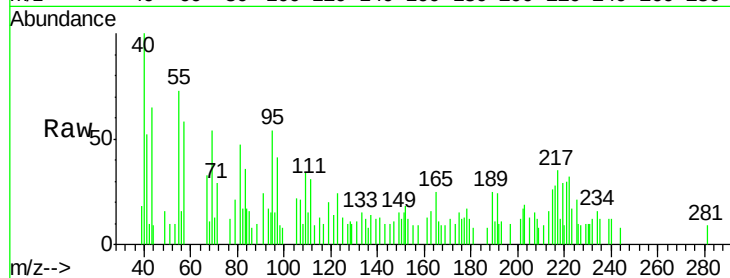
Tgt Ion:244 Resp: 211

Ion Ratio Lower Upper

244 100

212 0.0 5.6 8.4#

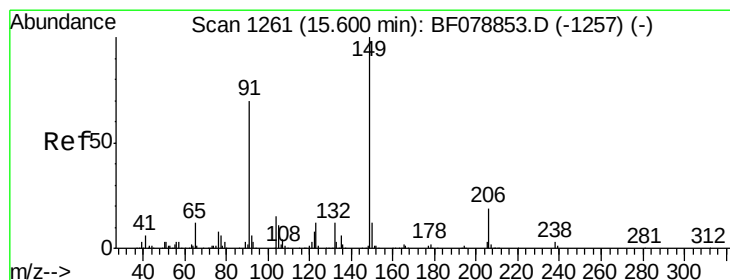
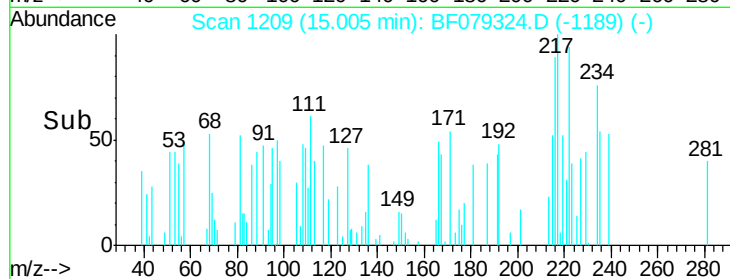
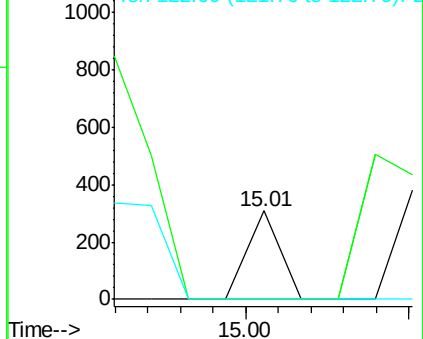
122 0.0 10.5 15.7#



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



#79

Butylbenzylphthalate

Concen: 5.22 ng

RT: 15.71 min Scan# 1271

Delta R.T. 0.05 min

Lab File: BF079324.D

Acq: 19 May 2015 1:05

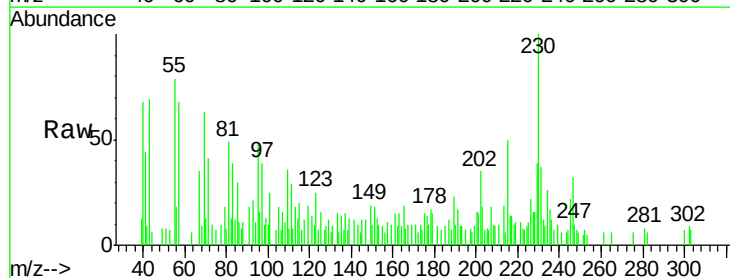
Tgt Ion:149 Resp: 878

Ion Ratio Lower Upper

149 100

91 98.8 56.2 84.2#

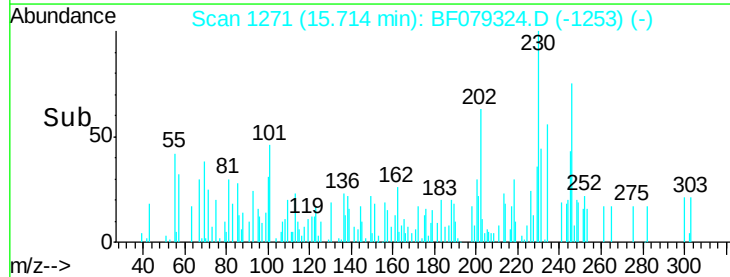
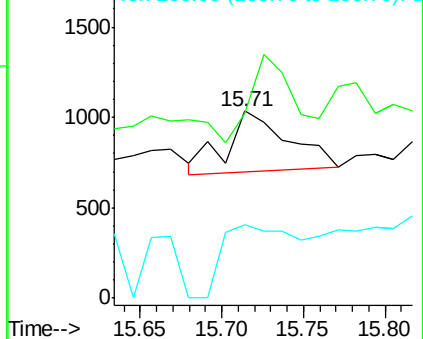
206 38.9 15.2 22.8#

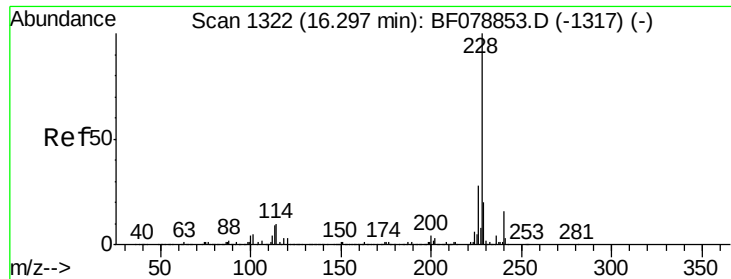


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E





#80

Benzo(a)anthracene

Concen: 2.93 ng

RT: 16.55 min Scan# 1344

Delta R.T. 0.06 min

Lab File: BF079324.D

Acq: 19 May 2015 1:05

Instrument :

BNA_F

ClientSampleId :

SB-08

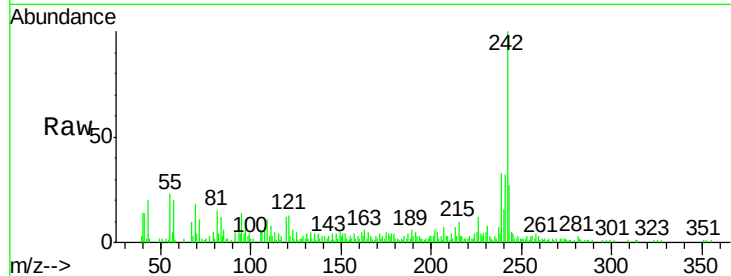
Tgt Ion:228 Resp: 1070

Ion Ratio Lower Upper

228 100

226 356.1 22.3 33.5#

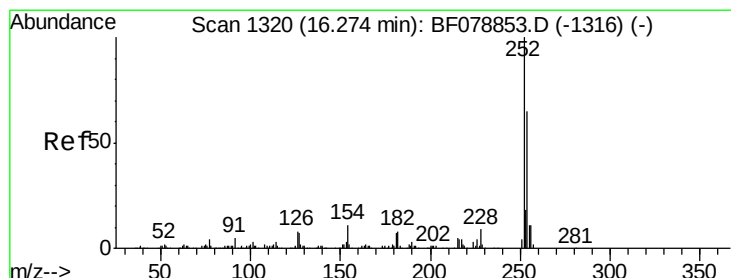
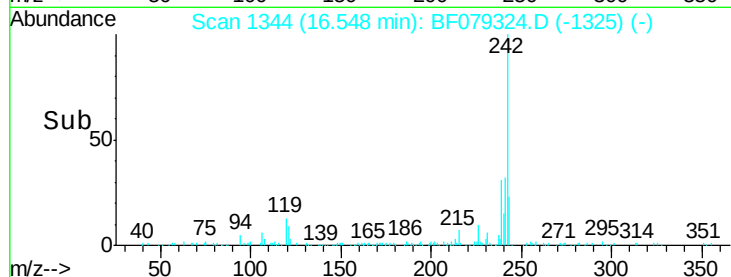
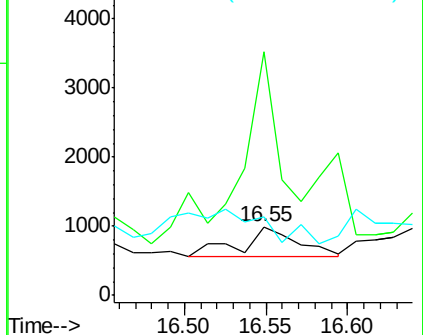
229 115.4 16.1 24.1#



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



#81

3,3'-Dichlorobenzidine

Concen: 3.35 ng

RT: 16.54 min Scan# 1343

Delta R.T. 0.07 min

Lab File: BF079324.D

Acq: 19 May 2015 1:05

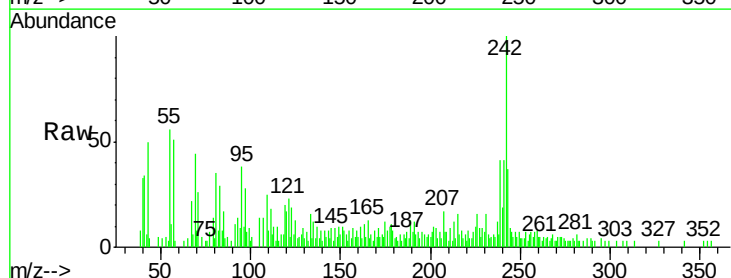
Tgt Ion:252 Resp: 436

Ion Ratio Lower Upper

252 100

254 74.8 52.2 78.2

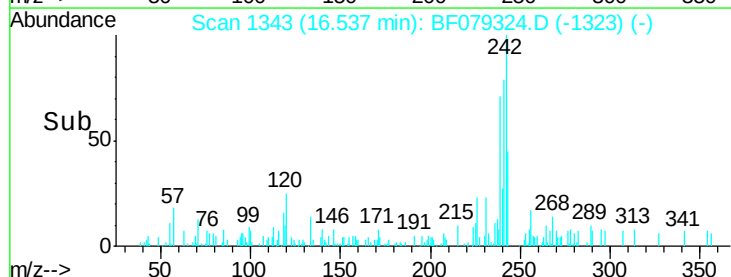
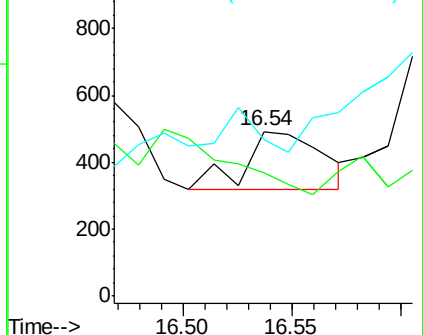
126 95.1 6.6 9.8#

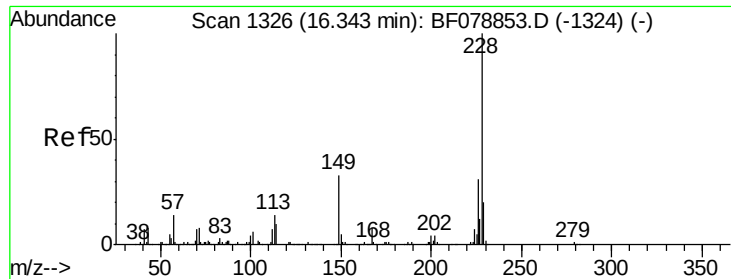


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#82

Chrysene

Concen: 2.54 ng

RT: 16.64 min Scan# 1352

Delta R.T. 0.09 min

Lab File: BF079324.D

Acq: 19 May 2015 1:05

Instrument :

BNA_F

ClientSampleId :

SB-08

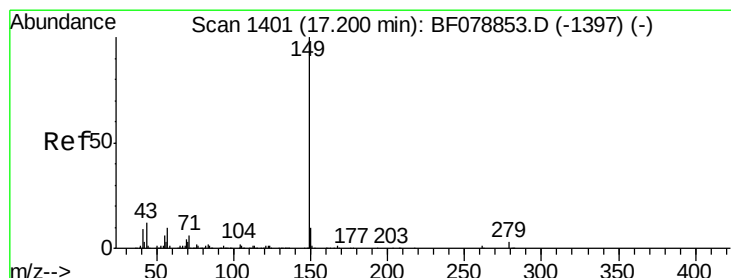
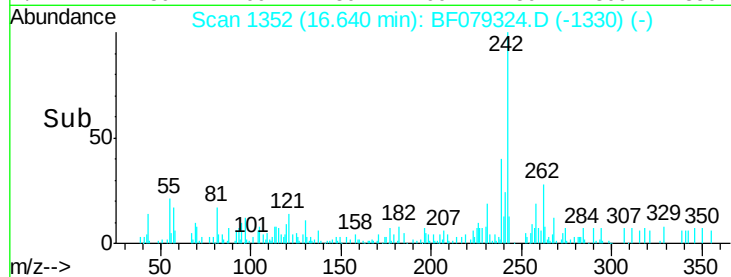
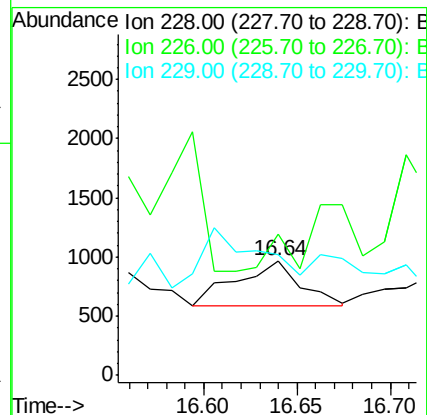
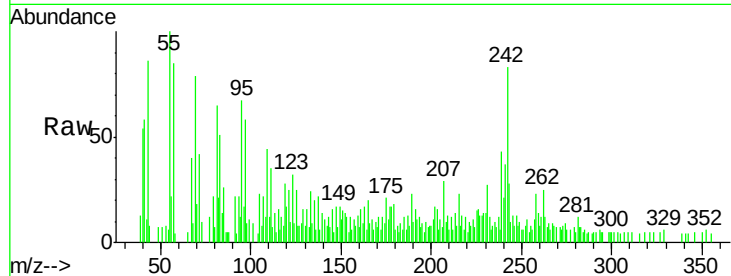
Tgt Ion:228 Resp: 891

Ion Ratio Lower Upper

228 100

226 122.7 24.8 37.2#

229 105.6 16.1 24.1#



#84

Di-n-octyl phthalate

Concen: 5.26 ng

RT: 17.75 min Scan# 1449

Delta R.T. 0.05 min

Lab File: BF079324.D

Acq: 19 May 2015 1:05

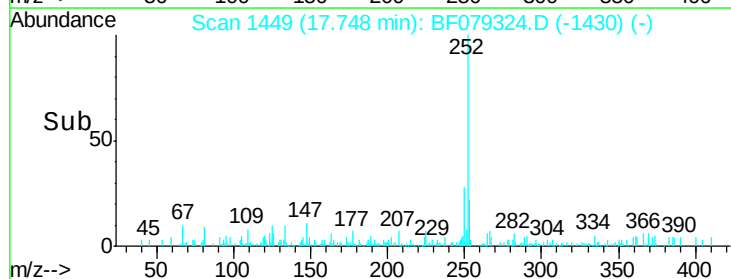
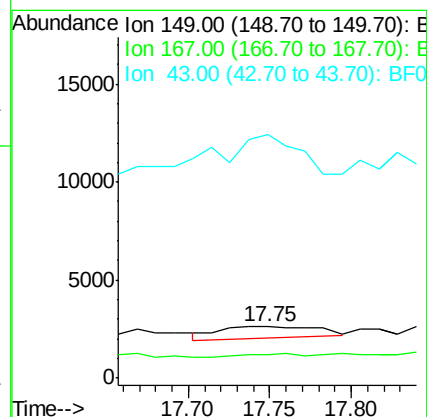
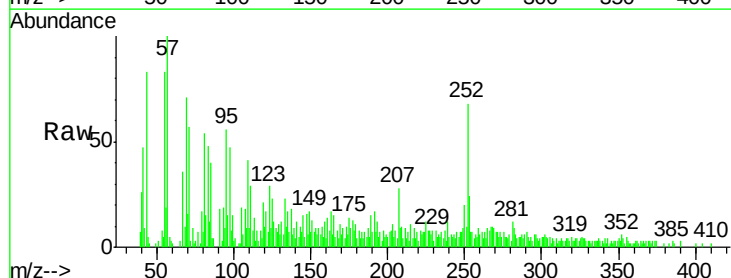
Tgt Ion:149 Resp: 2360

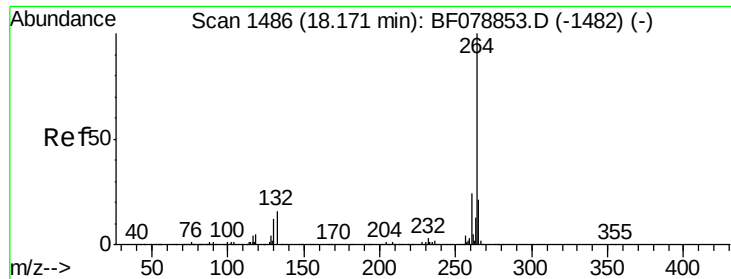
Ion Ratio Lower Upper

149 100

167 14.4 1.2 1.8#

43 309.8 9.0 13.6#





#86

Perylene-d12

Concen: 20.00 ng

RT: 18.93 min Scan# 1552

Delta R.T. 0.05 min

Lab File: BF079324.D

Acq: 19 May 2015 1:05

Instrument :

BNA_F

ClientSampleId :

SB-08

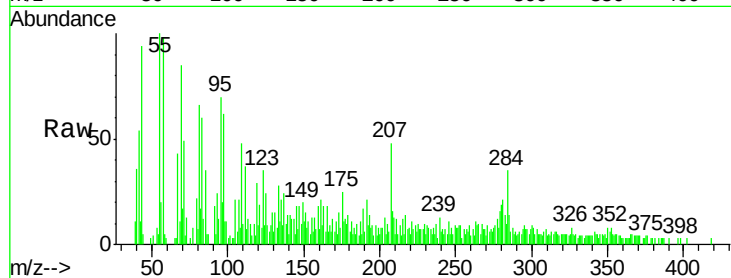
Tgt Ion: 264 Resp: 984

Ion Ratio Lower Upper

264 100

260 50.2 19.2 28.8#

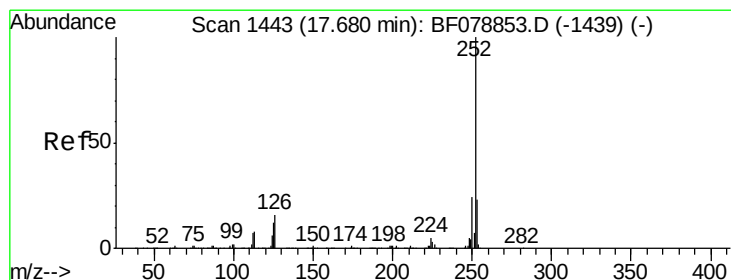
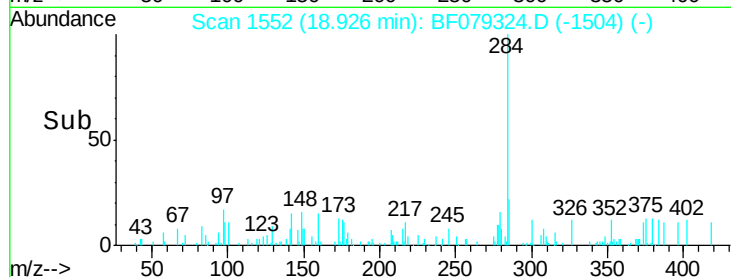
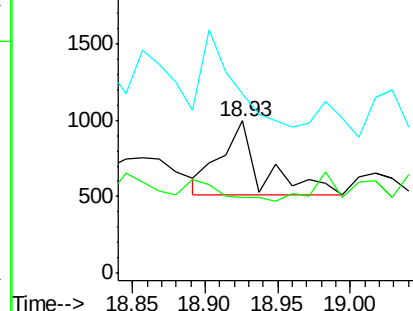
265 117.8 17.2 25.8#



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: 21.54 ng

RT: 18.38 min Scan# 1504

Delta R.T. 0.13 min

Lab File: BF079324.D

Acq: 19 May 2015 1:05

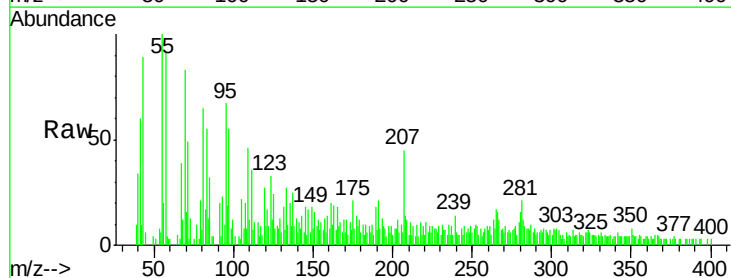
Tgt Ion: 252 Resp: 1160

Ion Ratio Lower Upper

252 100

253 91.6 18.1 27.1#

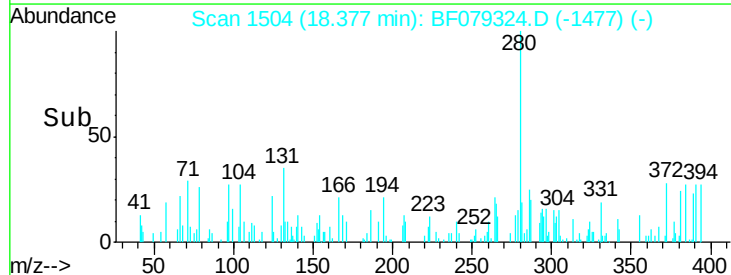
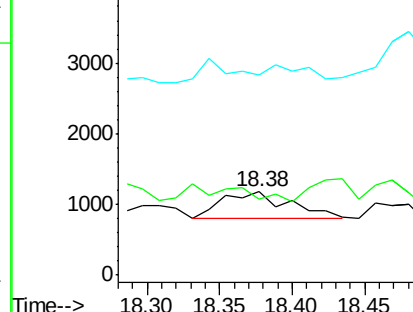
125 239.7 9.4 14.2#

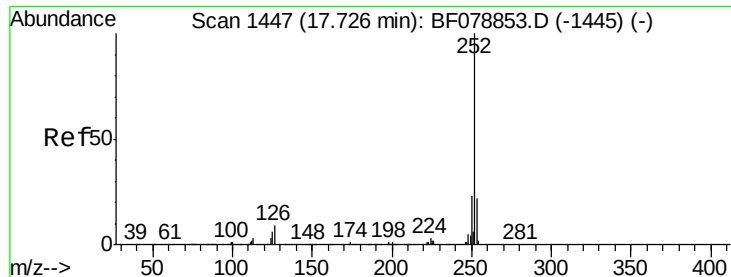


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 22.59 ng

RT: 18.38 min Scan# 1504

Delta R.T. 0.08 min

Lab File: BF079324.D

Acq: 19 May 2015 1:05

Instrument :

BNA_F

ClientSampleId :

SB-08

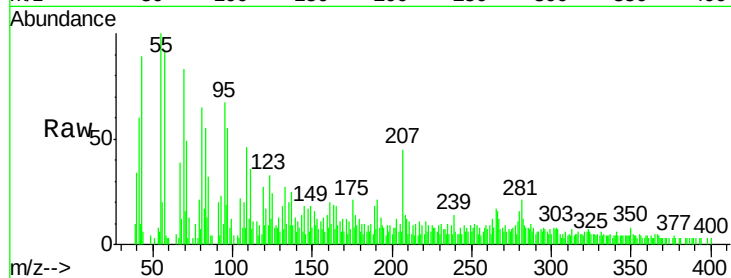
Tgt Ion: 252 Resp: 1178

Ion Ratio Lower Upper

252 100

253 91.6 17.4 26.0#

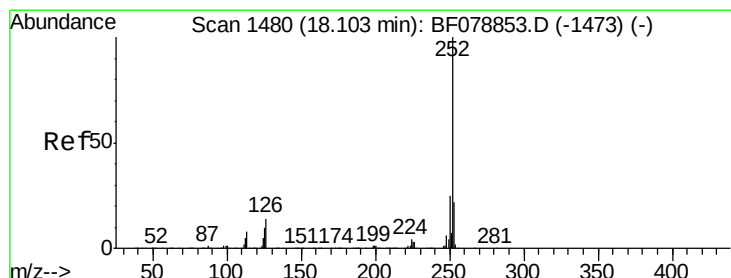
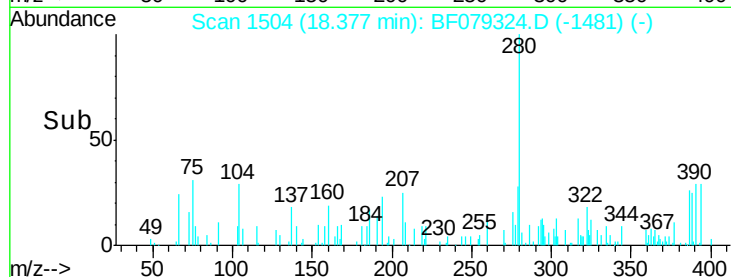
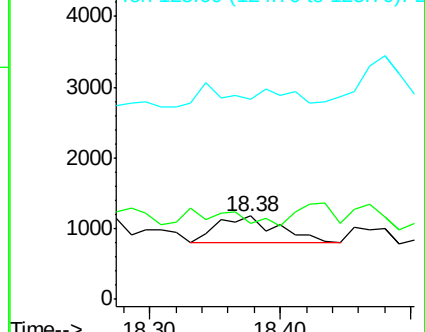
125 239.7 6.1 9.1#



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: 25.27 ng

RT: 18.80 min Scan# 1541

Delta R.T. 0.01 min

Lab File: BF079324.D

Acq: 19 May 2015 1:05

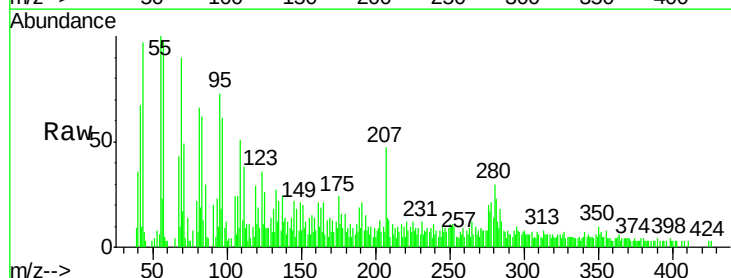
Tgt Ion: 252 Resp: 1253

Ion Ratio Lower Upper

252 100

253 88.2 18.0 27.0#

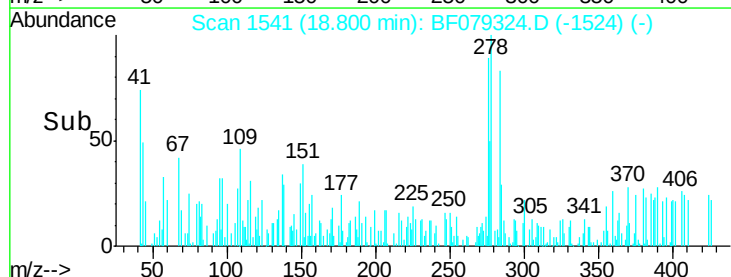
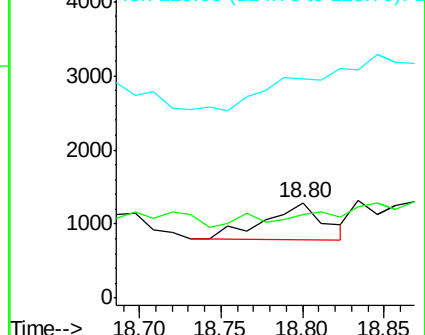
125 229.8 8.2 12.2#

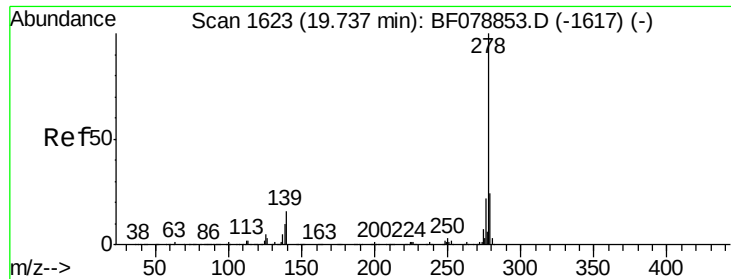


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Dibenzo(a,h)anthracene

Concen: 12.52 ng

RT: 20.69 min Scan# 1706

Delta R.T. -0.00 min

Lab File: BF079324.D

Acq: 19 May 2015 1:05

Instrument :

BNA_F

ClientSampleId :

SB-08

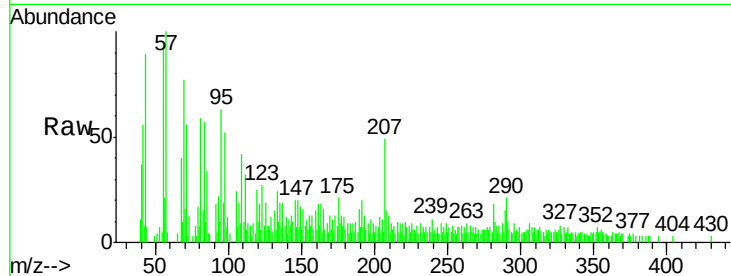
Tgt Ion: 278 Resp: 660

Ion Ratio Lower Upper

278 100

139 180.3 13.1 19.7#

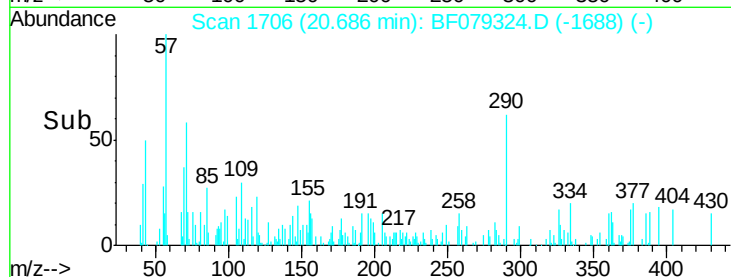
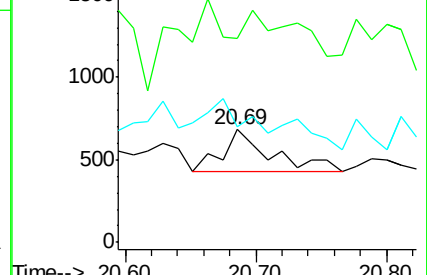
279 102.9 19.1 28.7#



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: 15.60 ng

RT: 21.17 min Scan# 1748

Delta R.T. 0.08 min

Lab File: BF079324.D

Acq: 19 May 2015 1:05

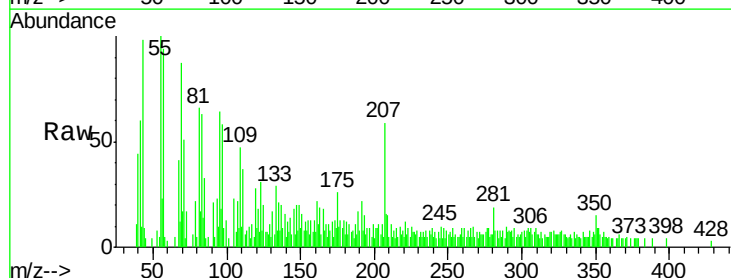
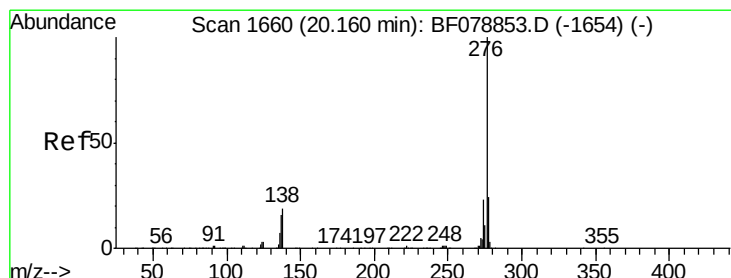
Tgt Ion: 276 Resp: 824

Ion Ratio Lower Upper

276 100

277 98.0 18.8 28.2#

138 104.9 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

