

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051915\
 Data File : BF079360.D
 Acq On : 20 May 2015 2:05
 Operator : TP/IZ
 Sample : G2282-15DL 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-03-D1DL

Quant Time: May 20 04:31:49 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 19 13:22:43 2015
 Response via : Initial Calibration

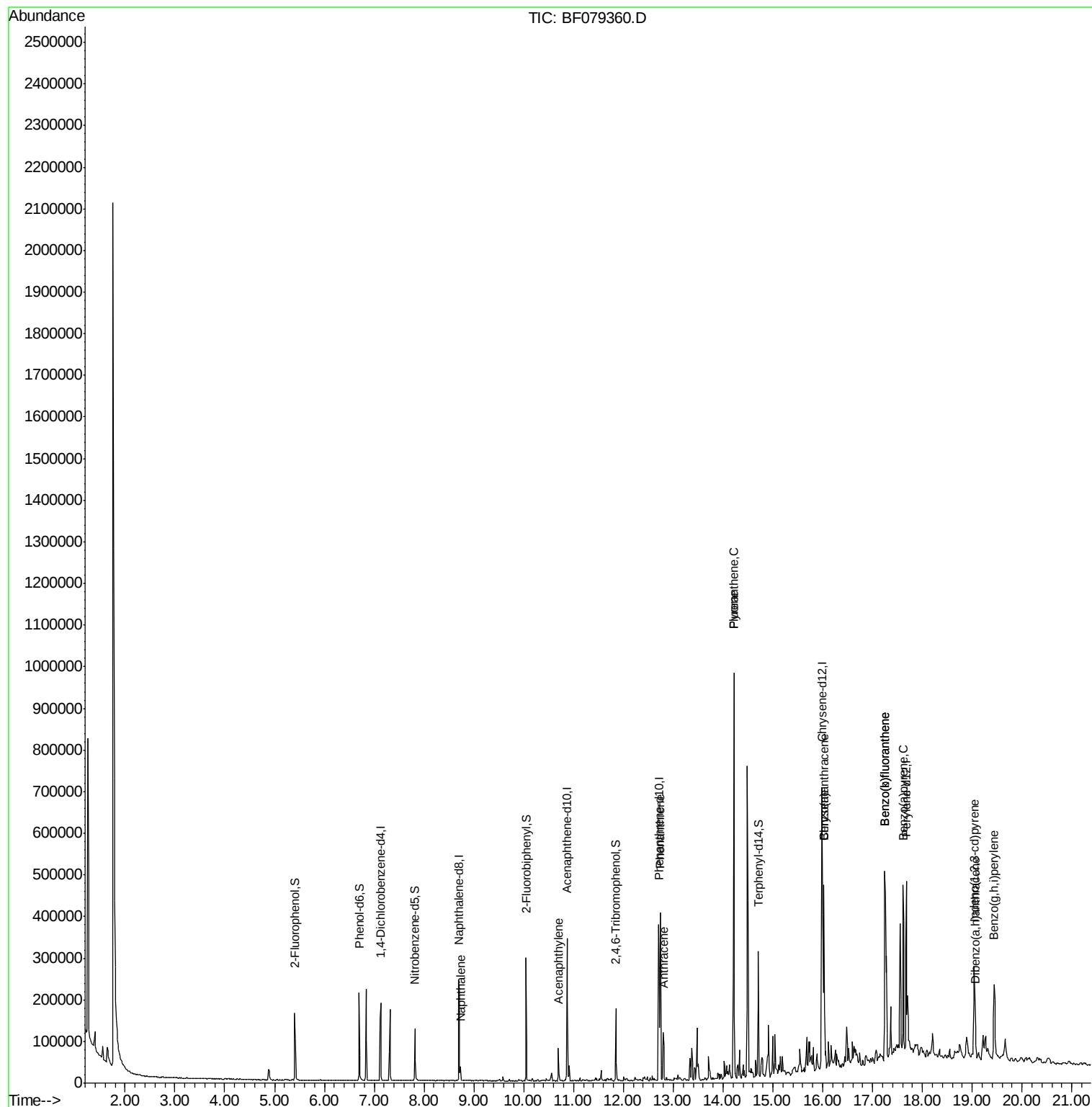
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.13	152	40276	20.00	ng	0.00
21) Naphthalene-d8	8.71	136	164912	20.00	ng	0.00
38) Acenaphthene-d10	10.87	164	84443	20.00	ng	-0.01
63) Phenanthrene-d10	12.71	188	163250	20.00	ng	-0.01
75) Chrysene-d12	15.99	240	176513	20.00	ng	-0.03
86) Perylene-d12	17.68	264	191154	20.00	ng	-0.14
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	58195	24.87	ng	-0.01
7) Phenol-d6	6.70	99	80880	26.15	ng	-0.01
23) Nitrobenzene-d5	7.82	82	44917	15.65	ng	-0.01
41) 2,4,6-Tribromophenol	11.85	330	22552	24.69	ng	-0.01
44) 2-Fluorobiphenyl	10.04	172	99149	16.36	ng	-0.01
78) Terphenyl-d14	14.71	244	118448	16.07	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.73	128	17157	2.18	ng	98
48) Acenaphthylene	10.70	152	37871	4.40	ng	98
70) Phenanthrene	12.74	178	167955	18.39	ng	98
71) Anthracene	12.80	178	62616	6.99	ng	99
74) Fluoranthene	14.22	202	418010	43.92	ng	97
77) Pyrene	14.22	202	418010	41.10	ng	98
80) Benzo(a)anthracene	16.02	228	192391	19.90	ng	96
82) Chrysene	16.02	228	191392	20.59	ng	99
85) Indeno(1,2,3-cd)pyrene	19.04	276	153087	12.92	ng	96
87) Benzo(b)fluoranthene	17.25	252	390223	37.30	ng	99
88) Benzo(k)fluoranthene	17.25	252	390223	38.53	ng	# 96
89) Benzo(a)pyrene	17.61	252	216906	22.51	ng	# 96
90) Dibenzo(a,h)anthracene	19.06	278	35932	3.51	ng	94
91) Benzo(g,h,i)perylene	19.44	276	143345	13.97	ng	# 94

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

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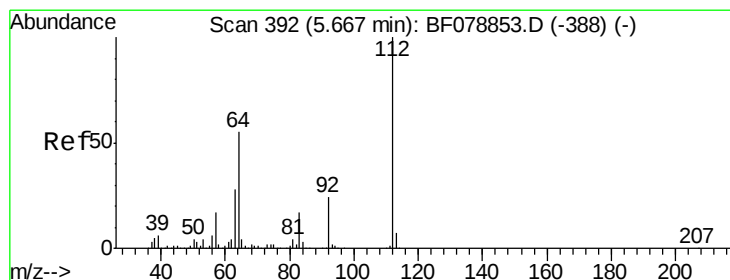
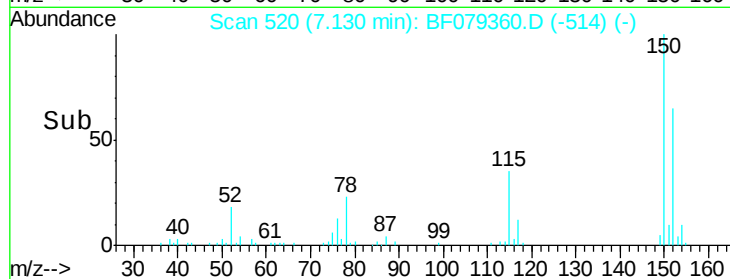
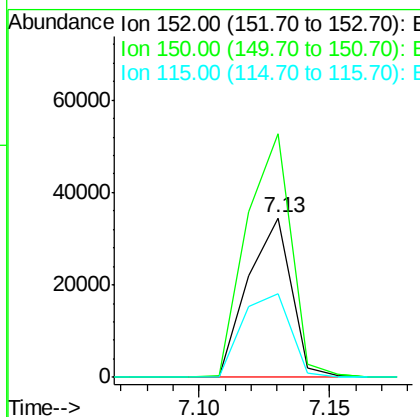
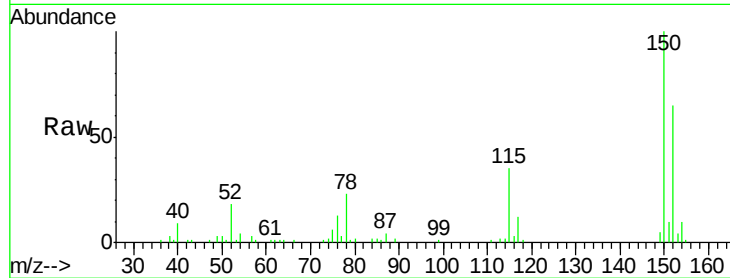




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.13 min Scan# 520
 Delta R.T. 0.00 min
 Lab File: BF079360.D
 Acq: 20 May 2015 2:05

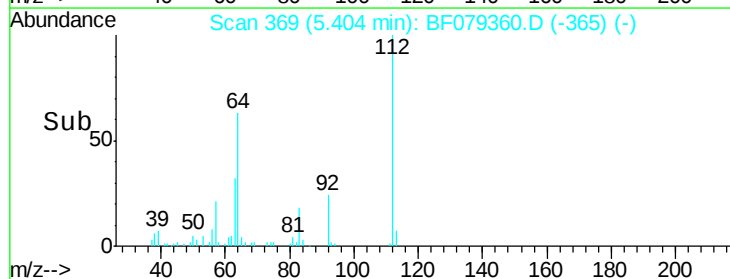
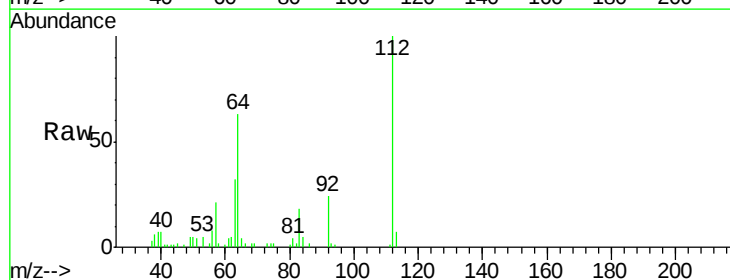
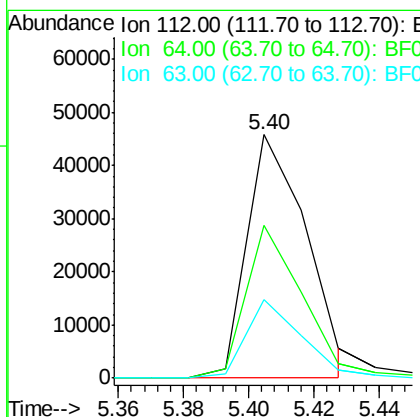
Instrument :
 BNA_F
 ClientSampleId :
 WC-03-D1DL

Tgt Ion:	152	Resp:	40276
Ion	Ratio	Lower	Upper
152	100		
150	152.8	123.8	185.8
115	52.9	49.4	74.0



#5
 2-Fluorophenol
 Concen: 24.87 ng
 RT: 5.40 min Scan# 369
 Delta R.T. -0.01 min
 Lab File: BF079360.D
 Acq: 20 May 2015 2:05

Tgt Ion:	112	Resp:	58195
Ion	Ratio	Lower	Upper
112	100		
64	62.9	44.2	66.2
63	32.4	22.7	34.1





#7

Phenol-d6

Concen: 26.15 ng

RT: 6.70 min Scan# 482

Delta R.T. -0.01 min

Lab File: BF079360.D

Acq: 20 May 2015 2:05

Instrument :

BNA_F

ClientSampleId :

WC-03-D1DL

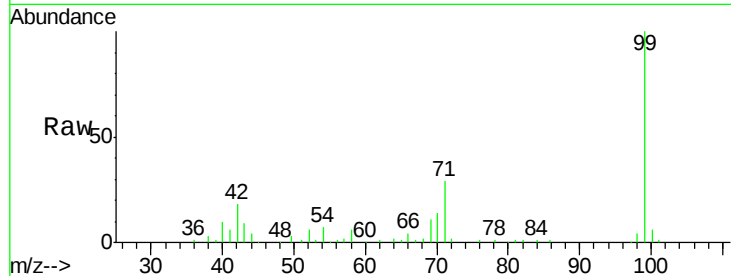
Tgt Ion: 99 Resp: 80880

Ion Ratio Lower Upper

99 100

42 17.8 17.1 25.7

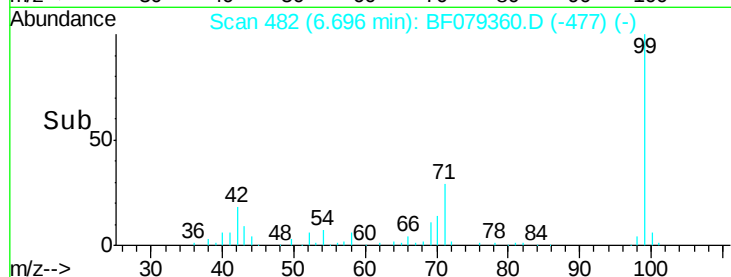
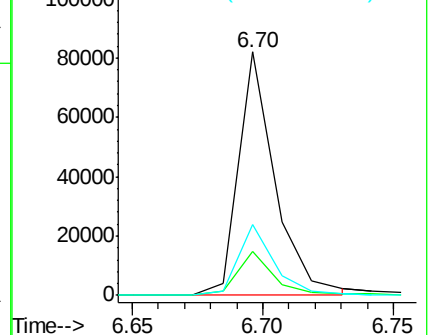
71 29.3 26.3 39.5



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: BF079360.D

Acq: 20 May 2015 2:05

Tgt Ion: 136 Resp: 164912

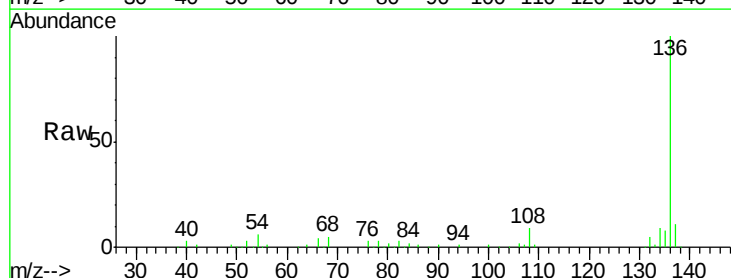
Ion Ratio Lower Upper

136 100

137 10.7 8.8 13.2

54 5.5 6.9 10.3#

68 4.5 4.9 7.3#

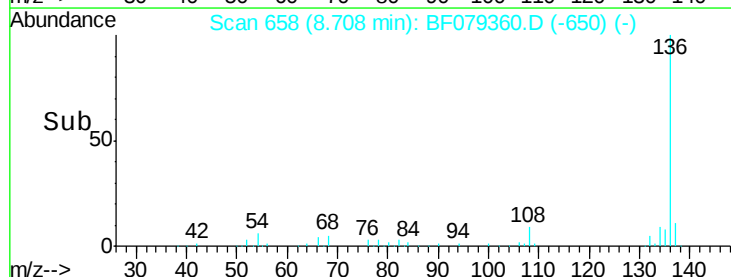
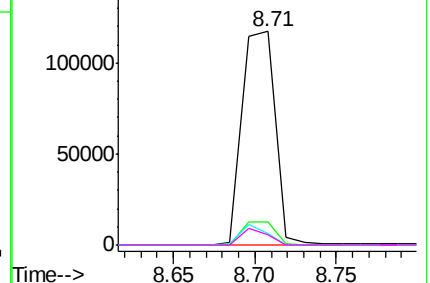


Abundance Ion 136.00 (135.70 to 136.70): E

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

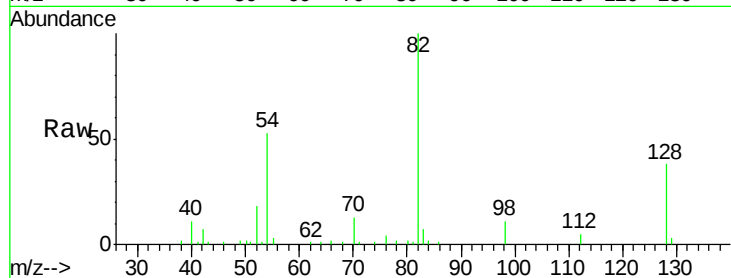




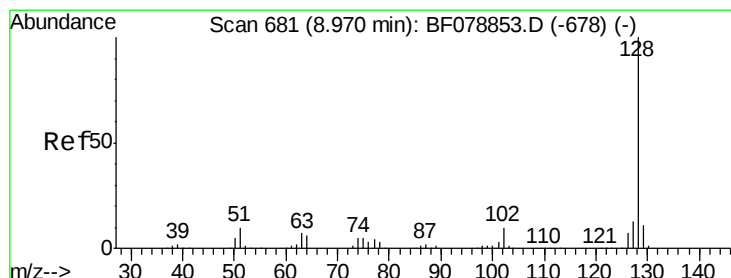
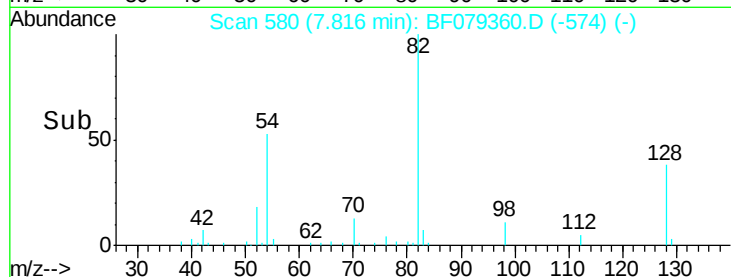
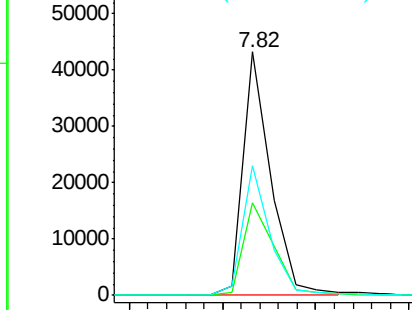
#23
 Nitrobenzene-d5
 Concen: 15.65 ng
 RT: 7.82 min Scan# 580
 Delta R.T. -0.01 min
 Lab File: BF079360.D
 Acq: 20 May 2015 2:05

Instrument :
 BNA_F
 ClientSampleId :
 WC-03-D1DL

Tgt Ion	Ratio	Lower	Upper
82	100		
128	37.8	29.7	44.5
54	53.1	46.2	69.4

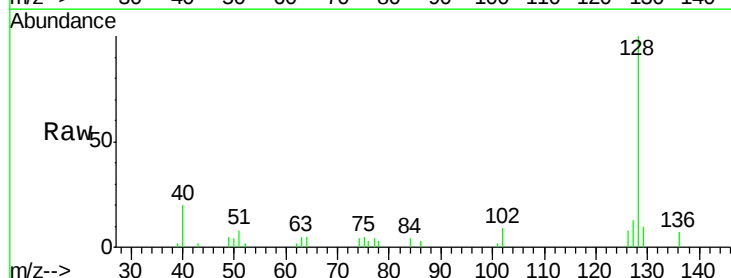


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

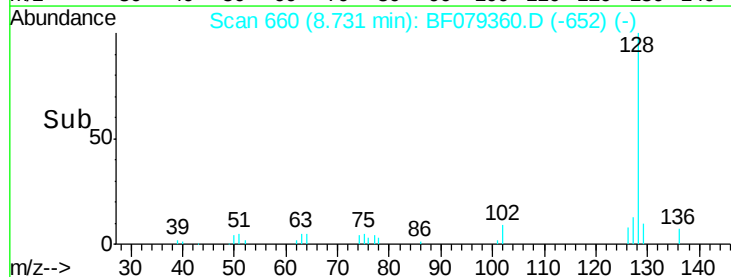
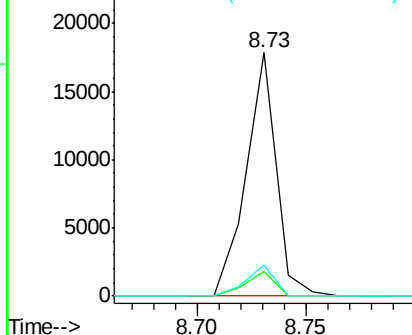


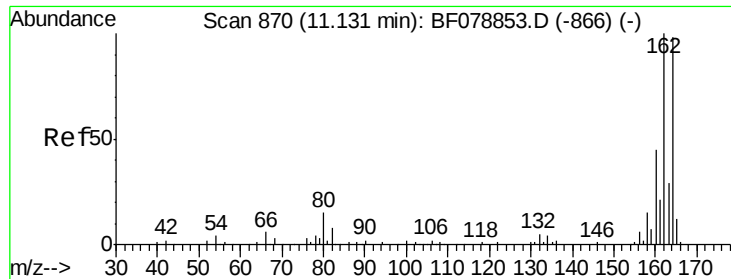
#31
 Naphthalene
 Concen: 2.18 ng
 RT: 8.73 min Scan# 660
 Delta R.T. 0.00 min
 Lab File: BF079360.D
 Acq: 20 May 2015 2:05

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.4	9.2	13.8
127	12.7	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

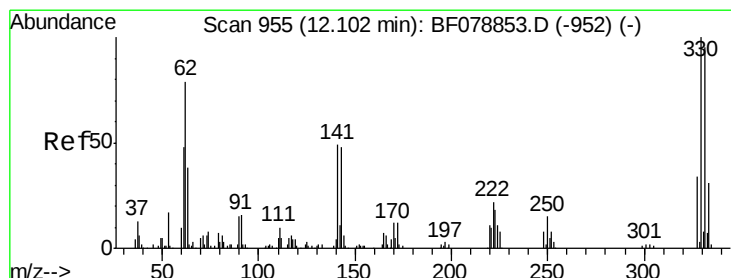
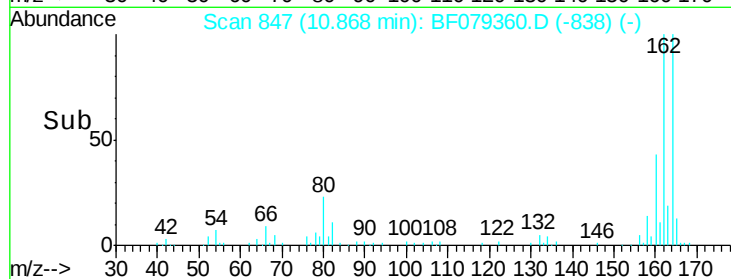
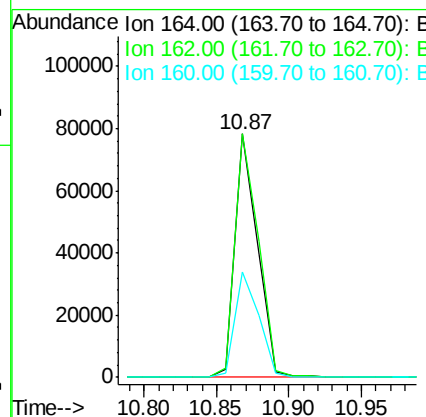
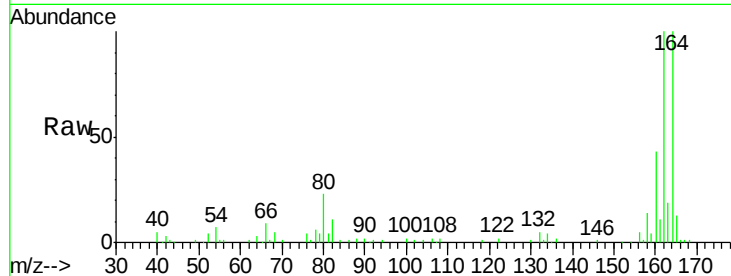




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.87 min Scan# 847
 Delta R.T. -0.01 min
 Lab File: BF079360.D
 Acq: 20 May 2015 2:05

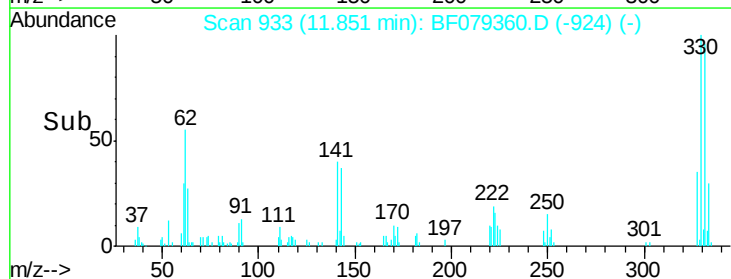
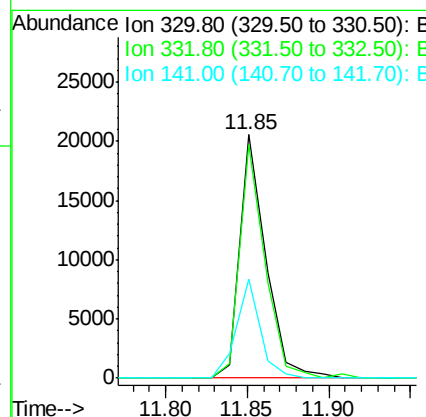
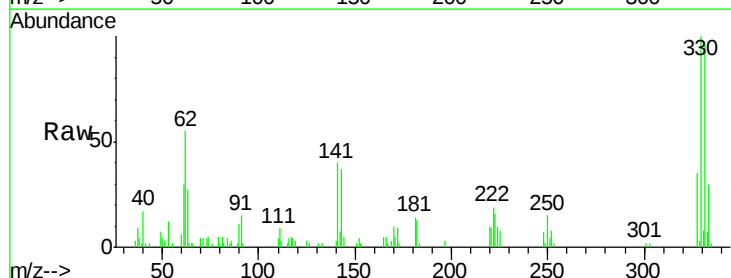
Instrument :
 BNA_F
 ClientSampleId :
 WC-03-D1DL

Tgt Ion:164 Resp: 84443
 Ion Ratio Lower Upper
 164 100
 162 100.1 81.4 122.0
 160 43.2 36.6 54.8



#41
 2,4,6-Tribromophenol
 Concen: 24.69 ng
 RT: 11.85 min Scan# 933
 Delta R.T. -0.01 min
 Lab File: BF079360.D
 Acq: 20 May 2015 2:05

Tgt Ion:330 Resp: 22552
 Ion Ratio Lower Upper
 330 100
 332 93.5 76.9 115.3
 141 37.2 27.8 41.8

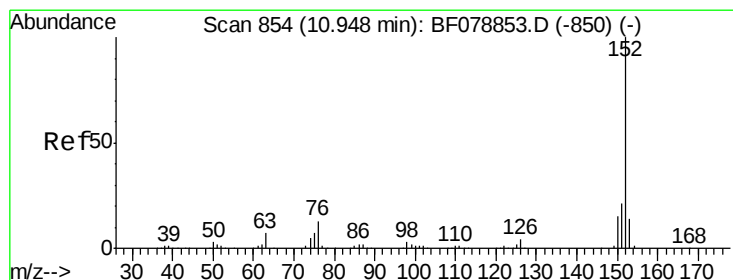
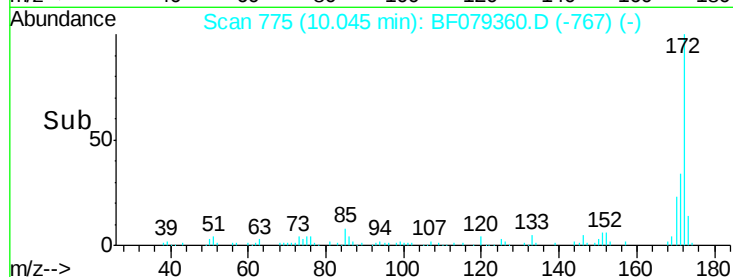
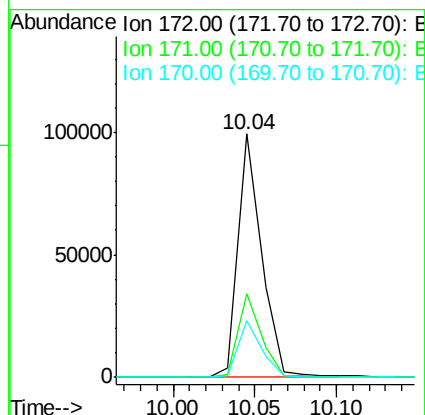
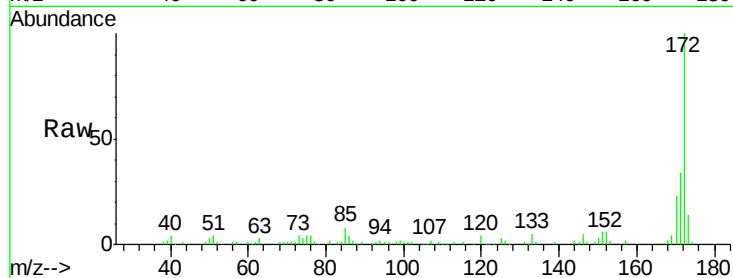




#44
2-Fluorobiphenyl
Concen: 16.36 ng
RT: 10.04 min Scan# 775
Delta R.T. -0.01 min
Lab File: BF079360.D
Acq: 20 May 2015 2:05

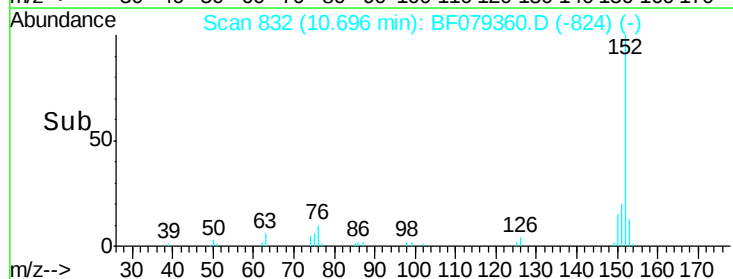
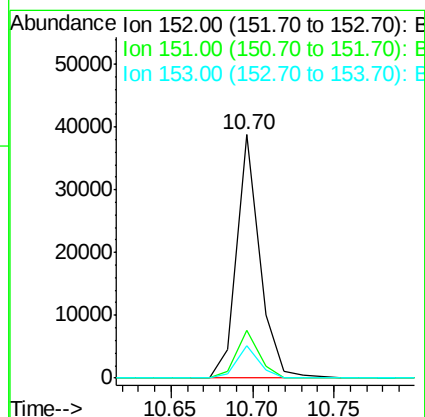
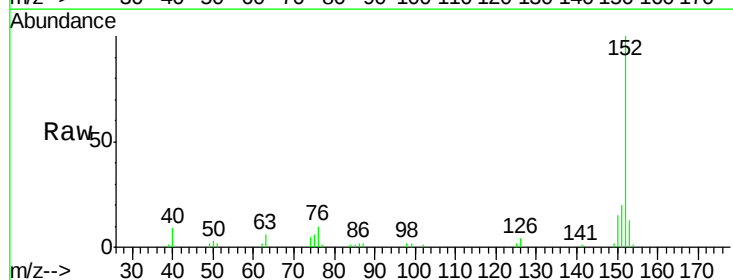
Instrument :
BNA_F
ClientSampleId :
WC-03-D1DL

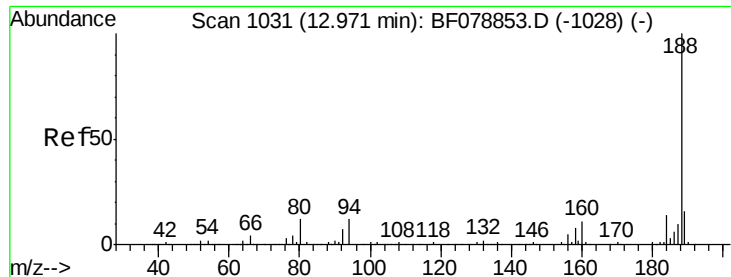
Tgt Ion:172 Resp: 99149
Ion Ratio Lower Upper
172 100
171 34.1 28.3 42.5
170 23.3 19.4 29.2



#48
Acenaphthylene
Concen: 4.40 ng
RT: 10.70 min Scan# 832
Delta R.T. -0.01 min
Lab File: BF079360.D
Acq: 20 May 2015 2:05

Tgt Ion:152 Resp: 37871
Ion Ratio Lower Upper
152 100
151 19.8 16.6 24.8
153 13.4 11.0 16.6

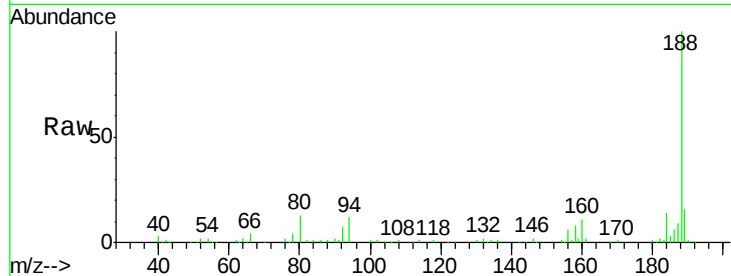




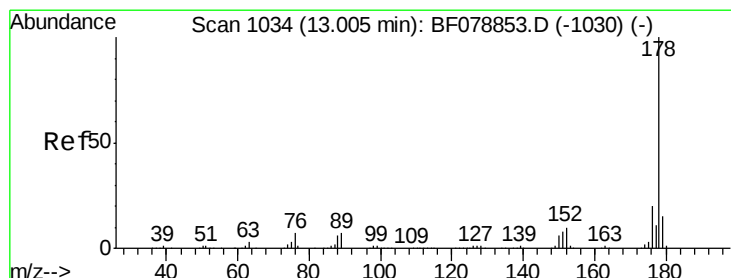
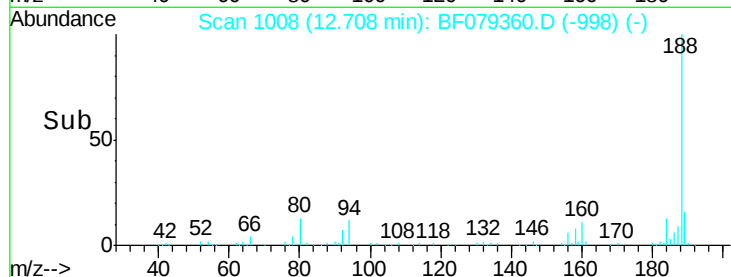
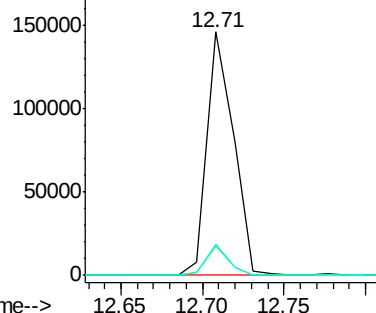
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.71 min Scan# 1008
Delta R.T. -0.01 min
Lab File: BF079360.D
Acq: 20 May 2015 2:05

Instrument :
BNA_F
ClientSampleId :
WC-03-D1DL

Tgt Ion:188 Resp: 163250
Ion Ratio Lower Upper
188 100
94 12.3 9.4 14.0
80 12.9 9.8 14.6

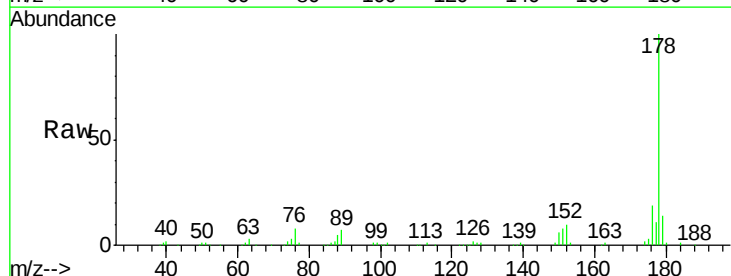


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

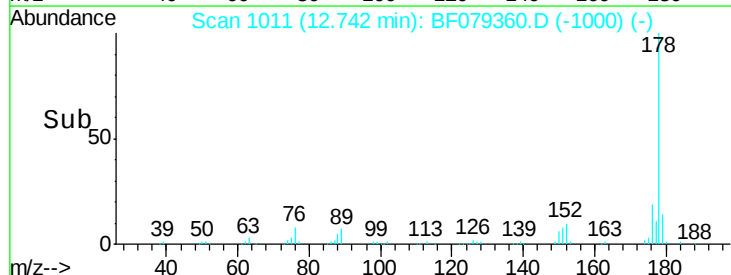
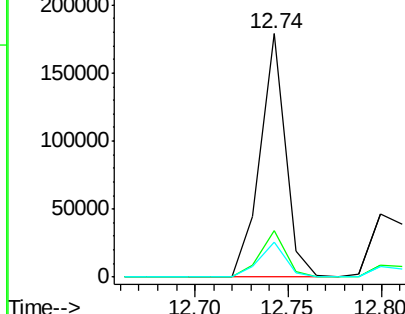


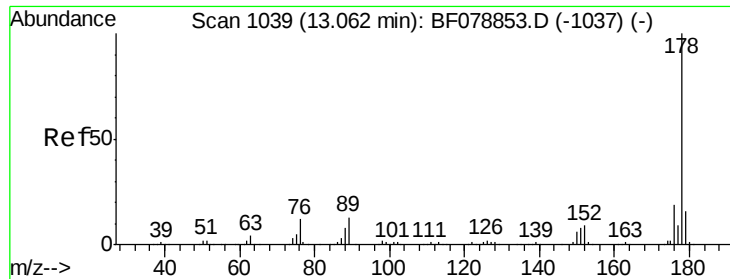
#70
Phenanthrene
Concen: 18.39 ng
RT: 12.74 min Scan# 1011
Delta R.T. 0.00 min
Lab File: BF079360.D
Acq: 20 May 2015 2:05

Tgt Ion:178 Resp: 167955
Ion Ratio Lower Upper
178 100
176 19.1 15.9 23.9
179 14.5 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: 6.99 ng

RT: 12.80 min Scan# 1016

Delta R.T. -0.01 min

Lab File: BF079360.D

Acq: 20 May 2015 2:05

Instrument :

BNA_F

ClientSampleId :

WC-03-D1DL

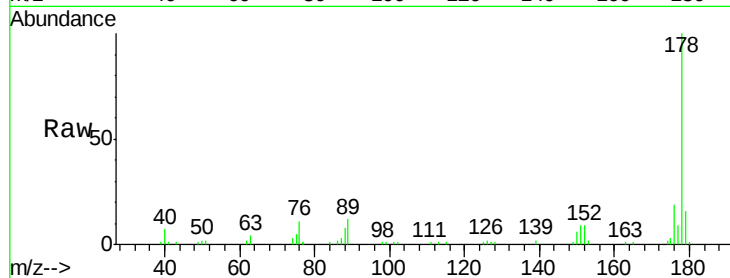
Tgt Ion:178 Resp: 62616

Ion Ratio Lower Upper

178 100

176 18.6 15.3 22.9

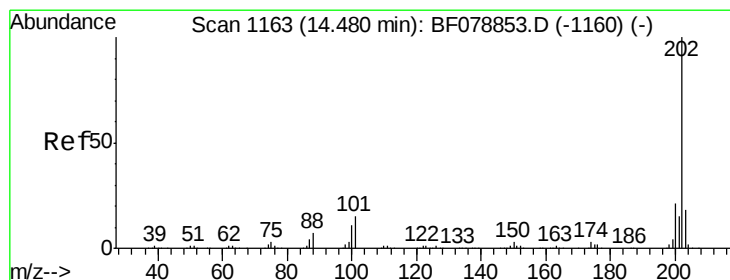
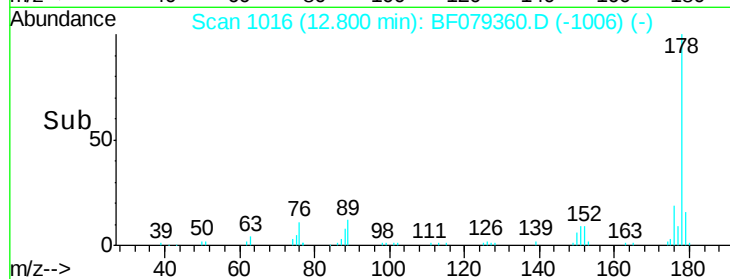
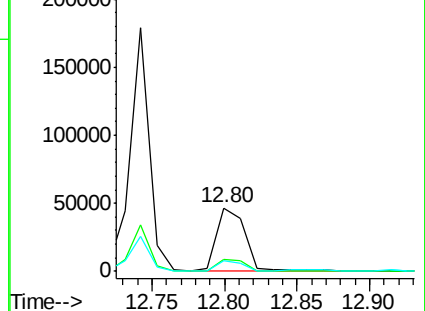
179 16.0 12.6 19.0



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: 43.92 ng

RT: 14.22 min Scan# 1140

Delta R.T. -0.01 min

Lab File: BF079360.D

Acq: 20 May 2015 2:05

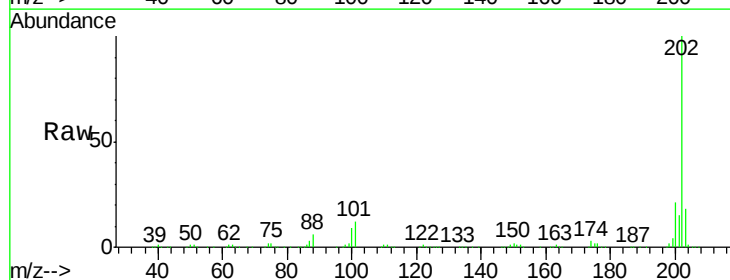
Tgt Ion:202 Resp: 418010

Ion Ratio Lower Upper

202 100

101 12.0 0.0 34.7

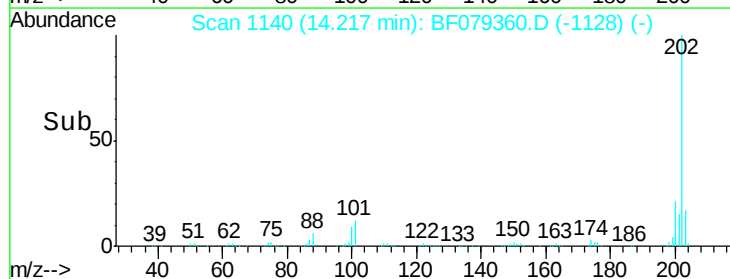
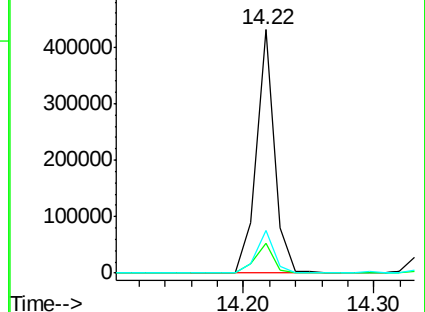
203 17.6 0.0 37.9

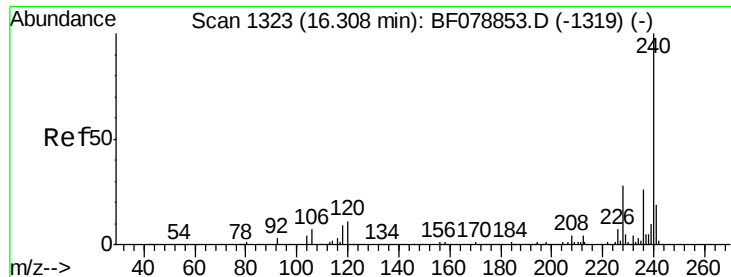


Abundance Ion 202.00 (201.70 to 202.70): E

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: 15.99 min Scan# 1295

Delta R.T. -0.03 min

Lab File: BF079360.D

Acq: 20 May 2015 2:05

Instrument :

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ClientSampleId :

WC-03-D1DL

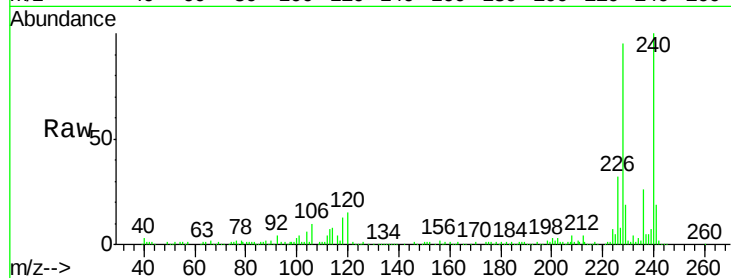
Tgt Ion:240 Resp: 176513

Ion Ratio Lower Upper

240 100

120 15.1 8.6 12.8#

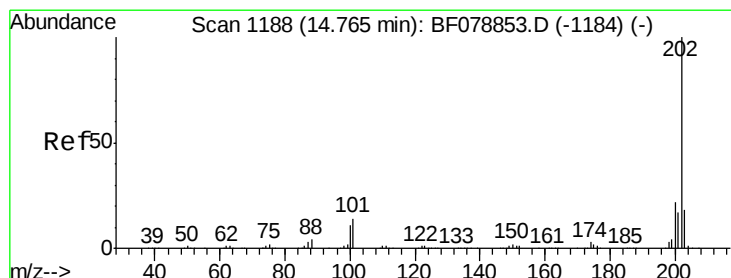
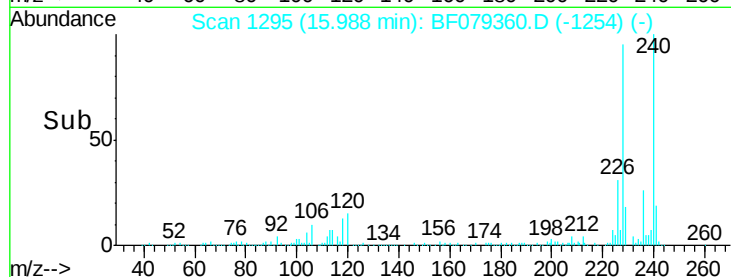
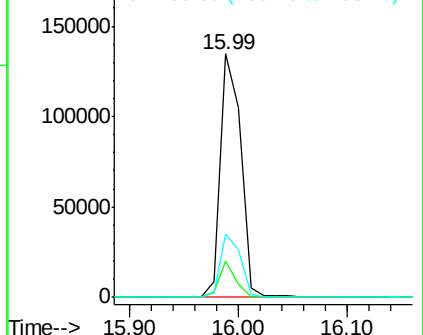
236 25.9 21.0 31.6



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: 41.10 ng

RT: 14.22 min Scan# 1140

Delta R.T. -0.01 min

Lab File: BF079360.D

Acq: 20 May 2015 2:05

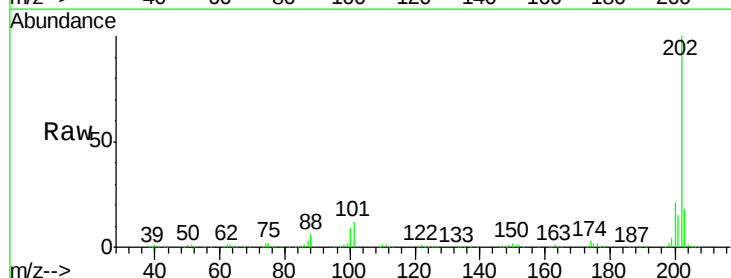
Tgt Ion:202 Resp: 418010

Ion Ratio Lower Upper

202 100

200 21.3 17.5 26.3

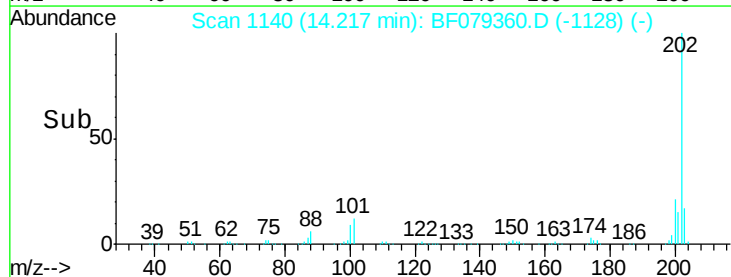
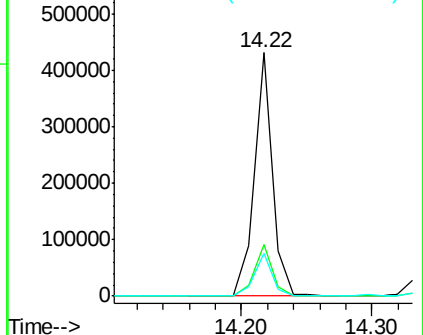
203 17.6 14.7 22.1

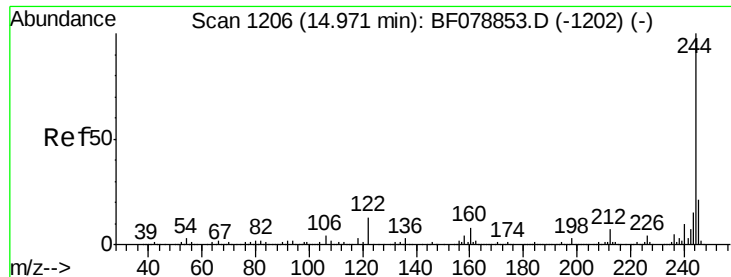


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 16.07 ng

RT: 14.71 min Scan# 1183

Delta R.T. -0.01 min

Lab File: BF079360.D

Acq: 20 May 2015 2:05

Instrument :

BNA_F

ClientSampleId :

WC-03-D1DL

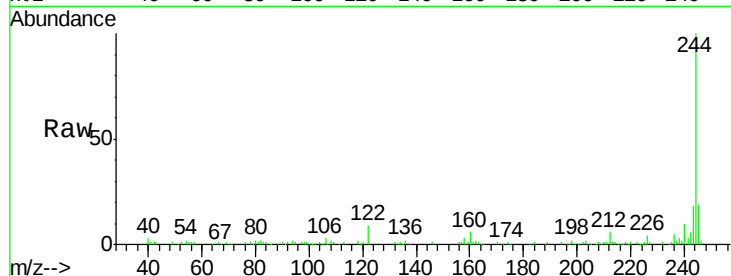
Tgt Ion:244 Resp: 118448

Ion Ratio Lower Upper

244 100

212 5.7 5.6 8.4

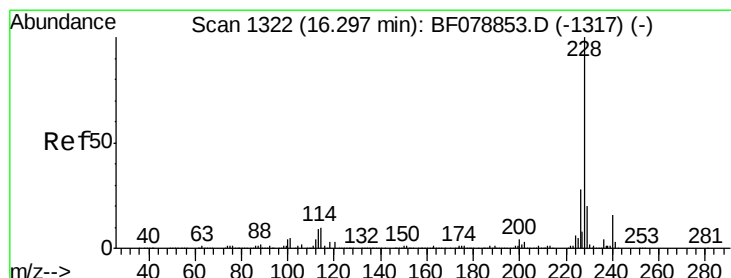
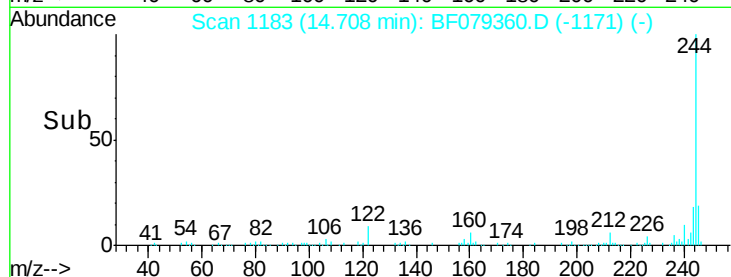
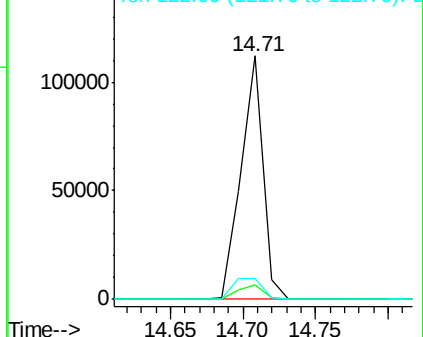
122 8.5 10.5 15.7#



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: 19.90 ng

RT: 16.02 min Scan# 1298

Delta R.T. 0.01 min

Lab File: BF079360.D

Acq: 20 May 2015 2:05

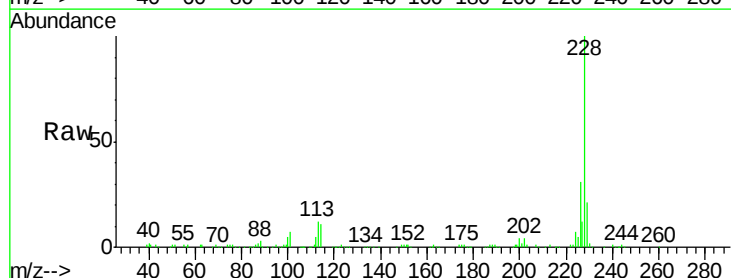
Tgt Ion:228 Resp: 192391

Ion Ratio Lower Upper

228 100

226 30.9 22.3 33.5

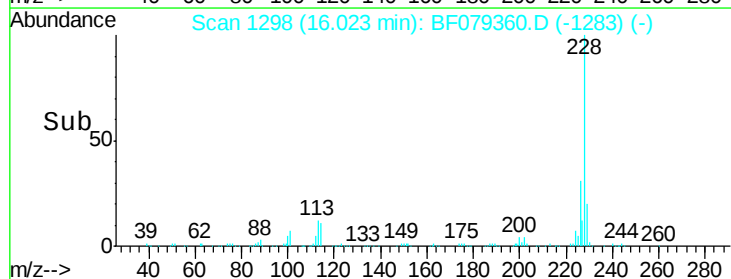
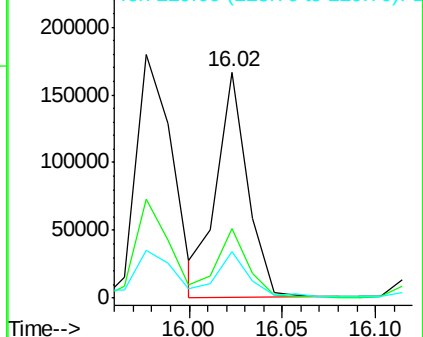
229 20.7 16.1 24.1

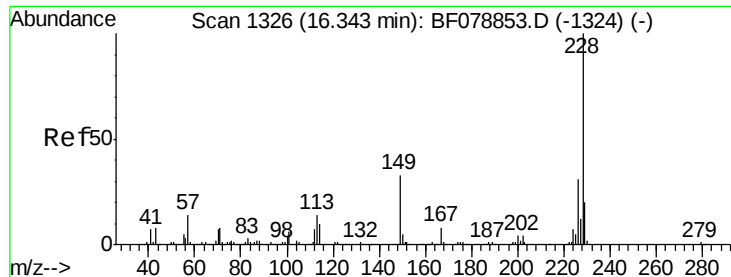


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 20.59 ng

RT: 16.02 min Scan# 1298

Delta R.T. -0.03 min

Lab File: BF079360.D

Acq: 20 May 2015 2:05

Instrument :

BNA_F

ClientSampleId :

WC-03-D1DL

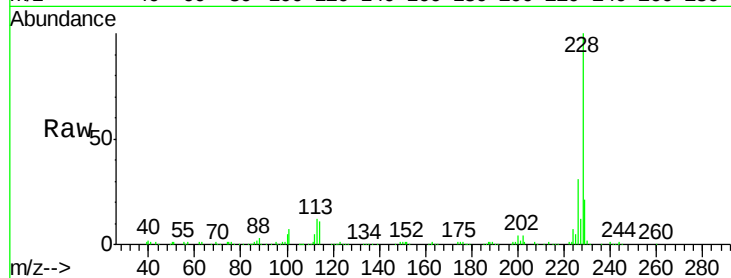
Tgt Ion:228 Resp: 191392

Ion Ratio Lower Upper

228 100

226 30.9 24.8 37.2

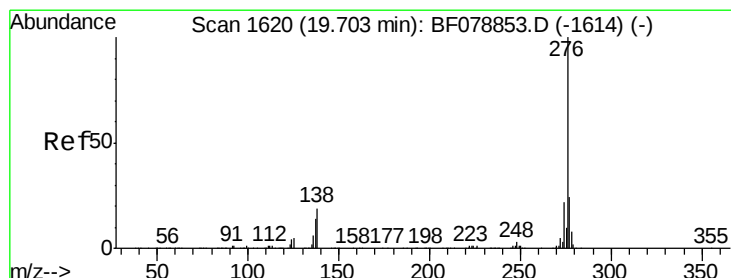
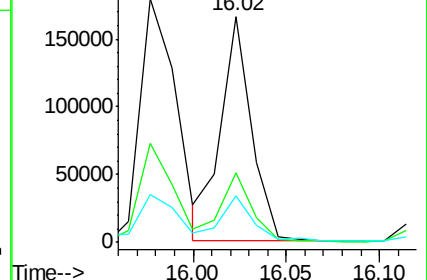
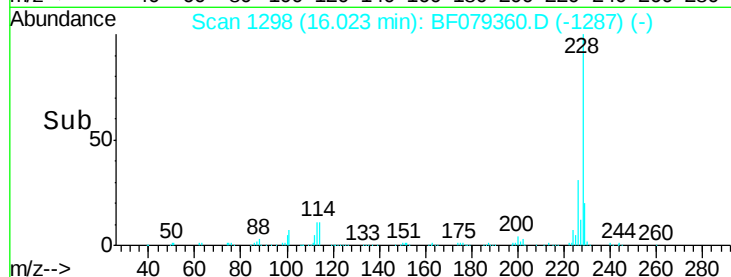
229 20.7 16.1 24.1



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: 12.92 ng

RT: 19.04 min Scan# 1562

Delta R.T. -0.17 min

Lab File: BF079360.D

Acq: 20 May 2015 2:05

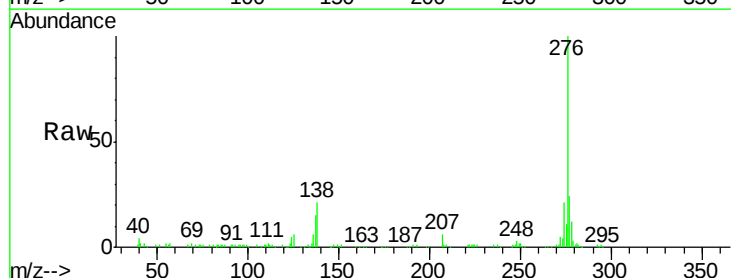
Tgt Ion:276 Resp: 153087

Ion Ratio Lower Upper

276 100

138 22.2 21.1 31.7

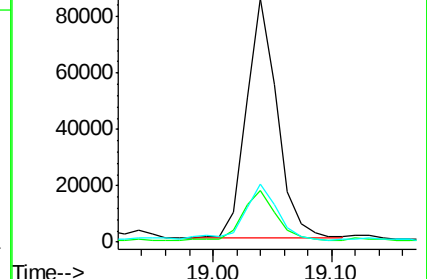
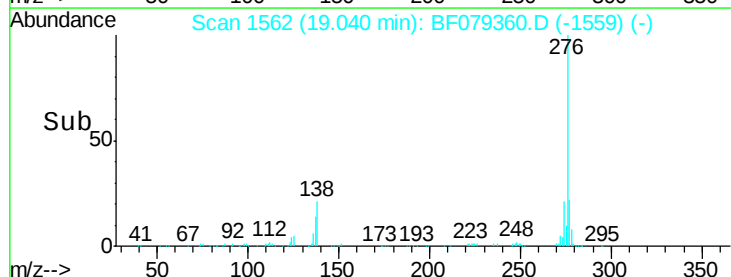
277 25.1 19.9 29.9

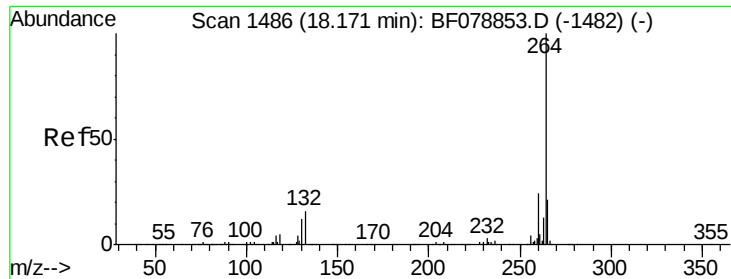


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

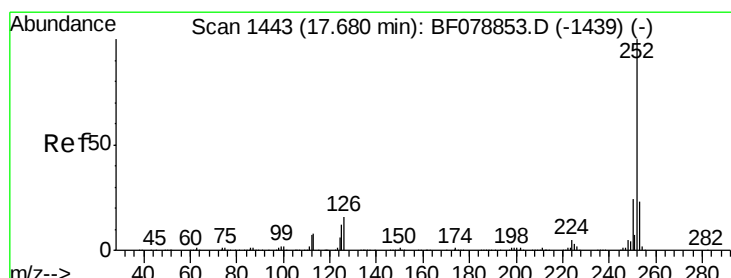
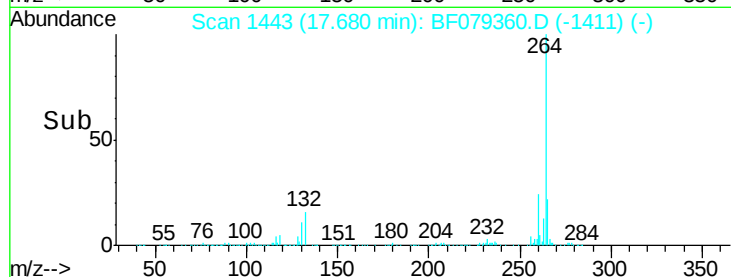
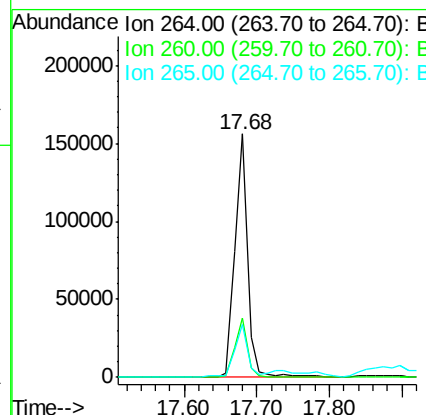
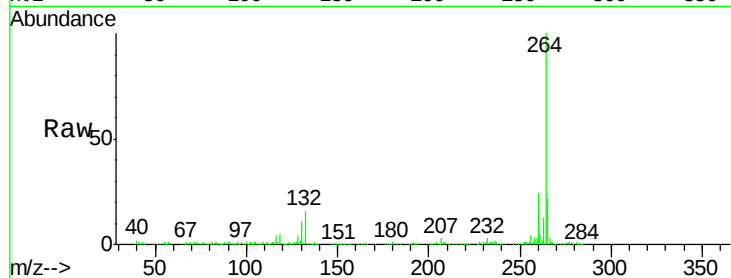




#86
Perylene-d12
Concen: 20.00 ng
RT: 17.68 min Scan# 1443
Delta R.T. -0.14 min
Lab File: BF079360.D
Acq: 20 May 2015 2:05

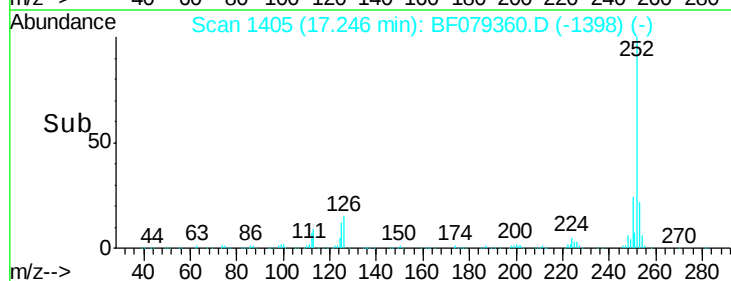
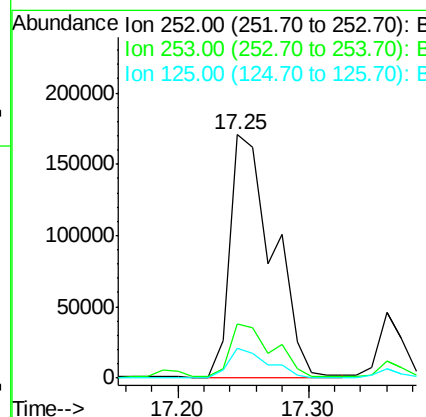
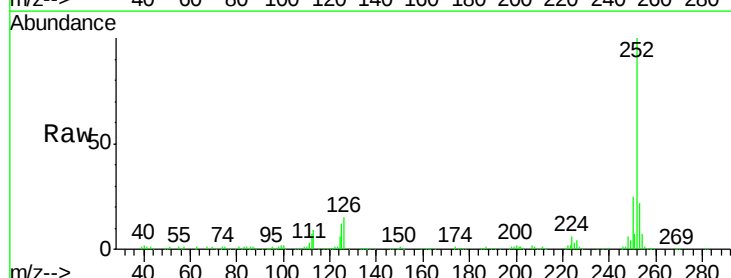
Instrument :
BNA_F
ClientSampleId :
WC-03-D1DL

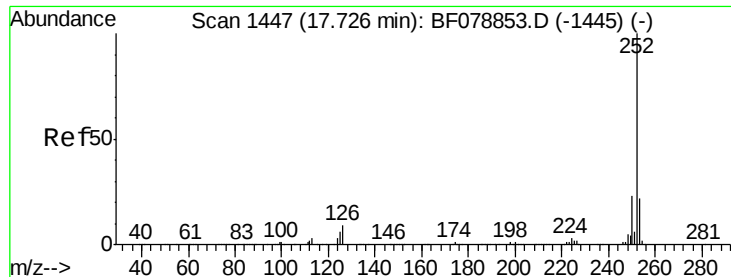
Tgt Ion: 264 Resp: 191154
Ion Ratio Lower Upper
264 100
260 24.4 19.2 28.8
265 21.7 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 37.30 ng
RT: 17.25 min Scan# 1405
Delta R.T. -0.10 min
Lab File: BF079360.D
Acq: 20 May 2015 2:05

Tgt Ion: 252 Resp: 390223
Ion Ratio Lower Upper
252 100
253 22.2 18.1 27.1
125 12.2 9.4 14.2





#88

Benzo(k)fluoranthene

Concen: 38.53 ng

RT: 17.25 min Scan# 1405

Delta R.T. -0.14 min

Lab File: BF079360.D

Acq: 20 May 2015 2:05

Instrument :

BNA_F

ClientSampleId :

WC-03-D1DL

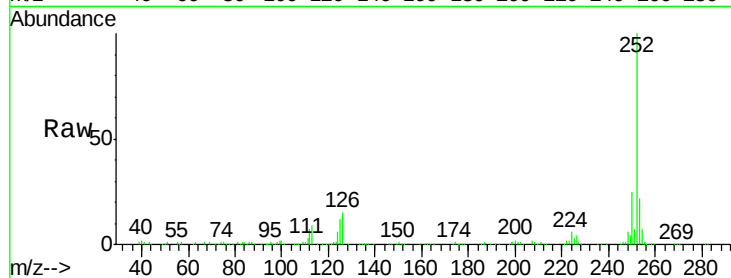
Tgt Ion:252 Resp: 390223

Ion Ratio Lower Upper

252 100

253 22.2 17.4 26.0

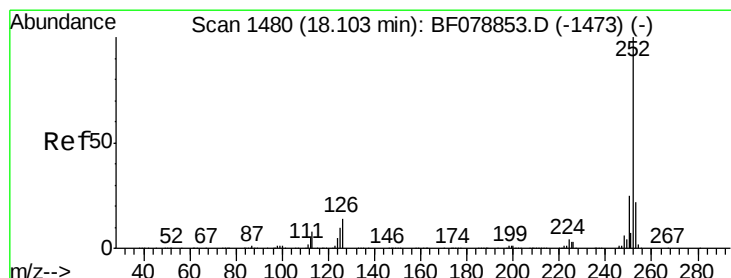
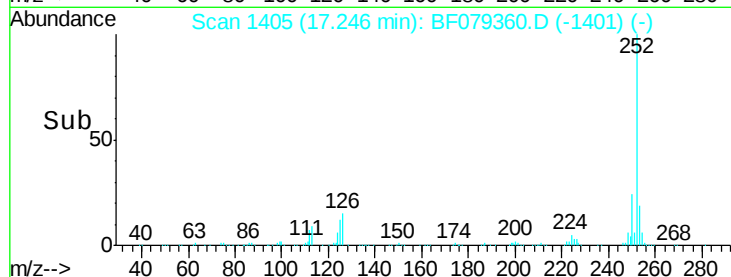
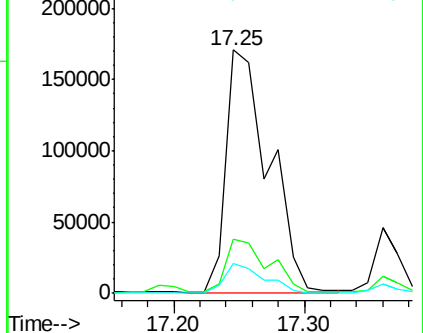
125 12.2 6.1 9.1#



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: 22.51 ng

RT: 17.61 min Scan# 1437

Delta R.T. -0.14 min

Lab File: BF079360.D

Acq: 20 May 2015 2:05

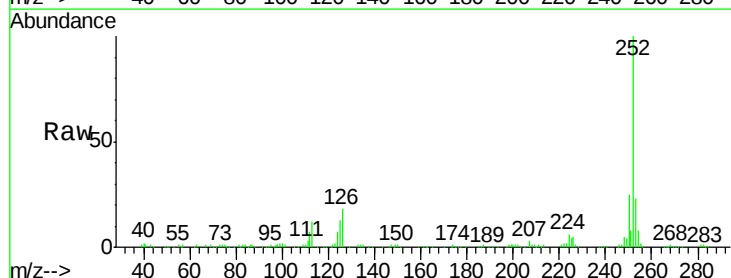
Tgt Ion:252 Resp: 216906

Ion Ratio Lower Upper

252 100

253 23.2 18.0 27.0

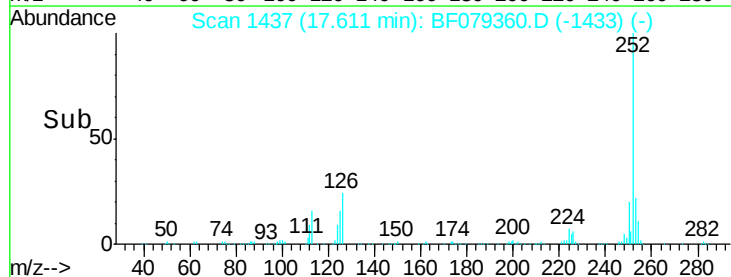
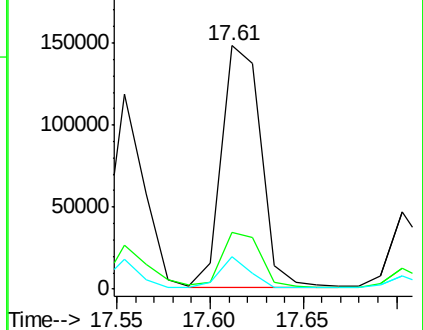
125 13.2 8.2 12.2#

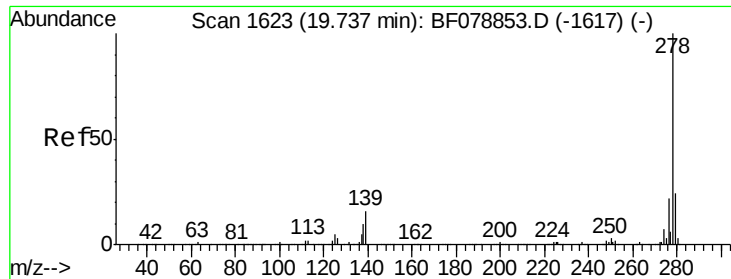


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Dibenzo(a,h)anthracene

Concen: 3.51 ng

RT: 19.06 min Scan# 1564

Delta R.T. -0.18 min

Lab File: BF079360.D

Acq: 20 May 2015 2:05

Instrument :

BNA_F

ClientSampleId :

WC-03-D1DL

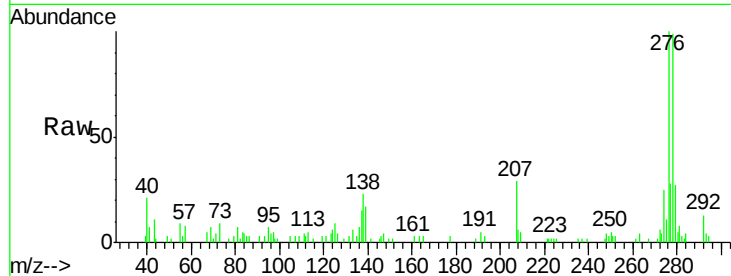
Tgt Ion: 278 Resp: 35932

Ion Ratio Lower Upper

278 100

139 17.4 13.1 19.7

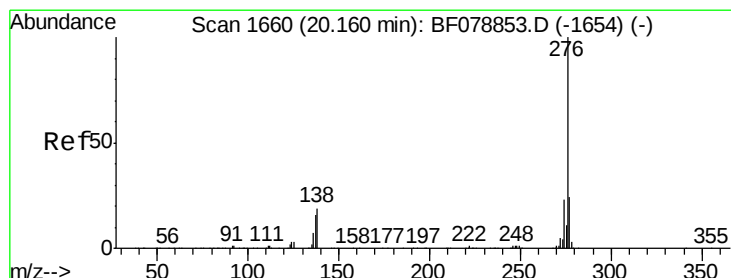
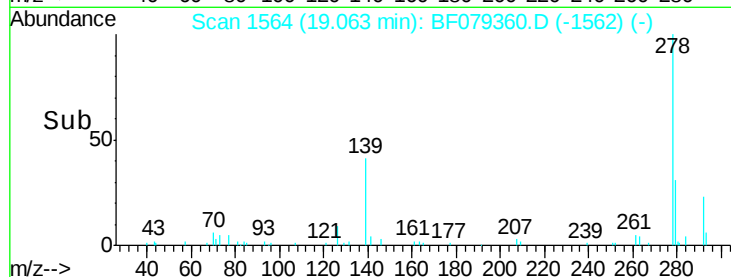
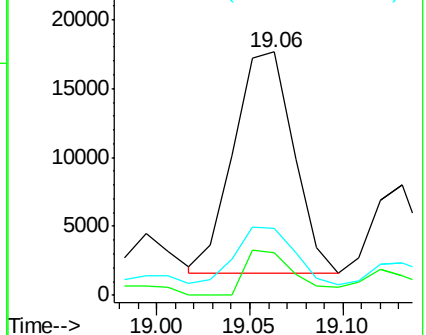
279 27.7 19.1 28.7



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: 13.97 ng

RT: 19.44 min Scan# 1597

Delta R.T. -0.18 min

Lab File: BF079360.D

Acq: 20 May 2015 2:05

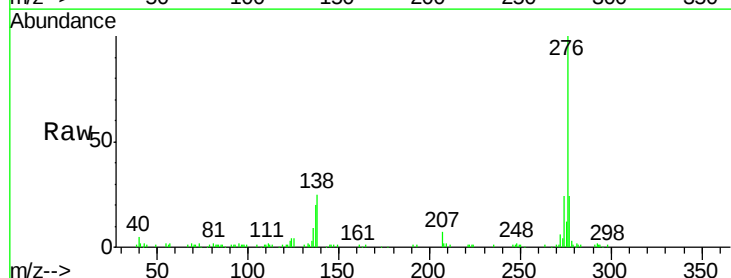
Tgt Ion: 276 Resp: 143345

Ion Ratio Lower Upper

276 100

277 23.8 18.8 28.2

138 24.9 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

