

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE051616\
 Data File : BE091779.D
 Acq On : 16 May 2016 18:27
 Operator : UM/SJ
 Sample : H3026-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 WELDON-WC-SC-019

Quant Time: May 17 04:01:56 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE042616.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 26 16:09:46 2016
 Response via : Initial Calibration

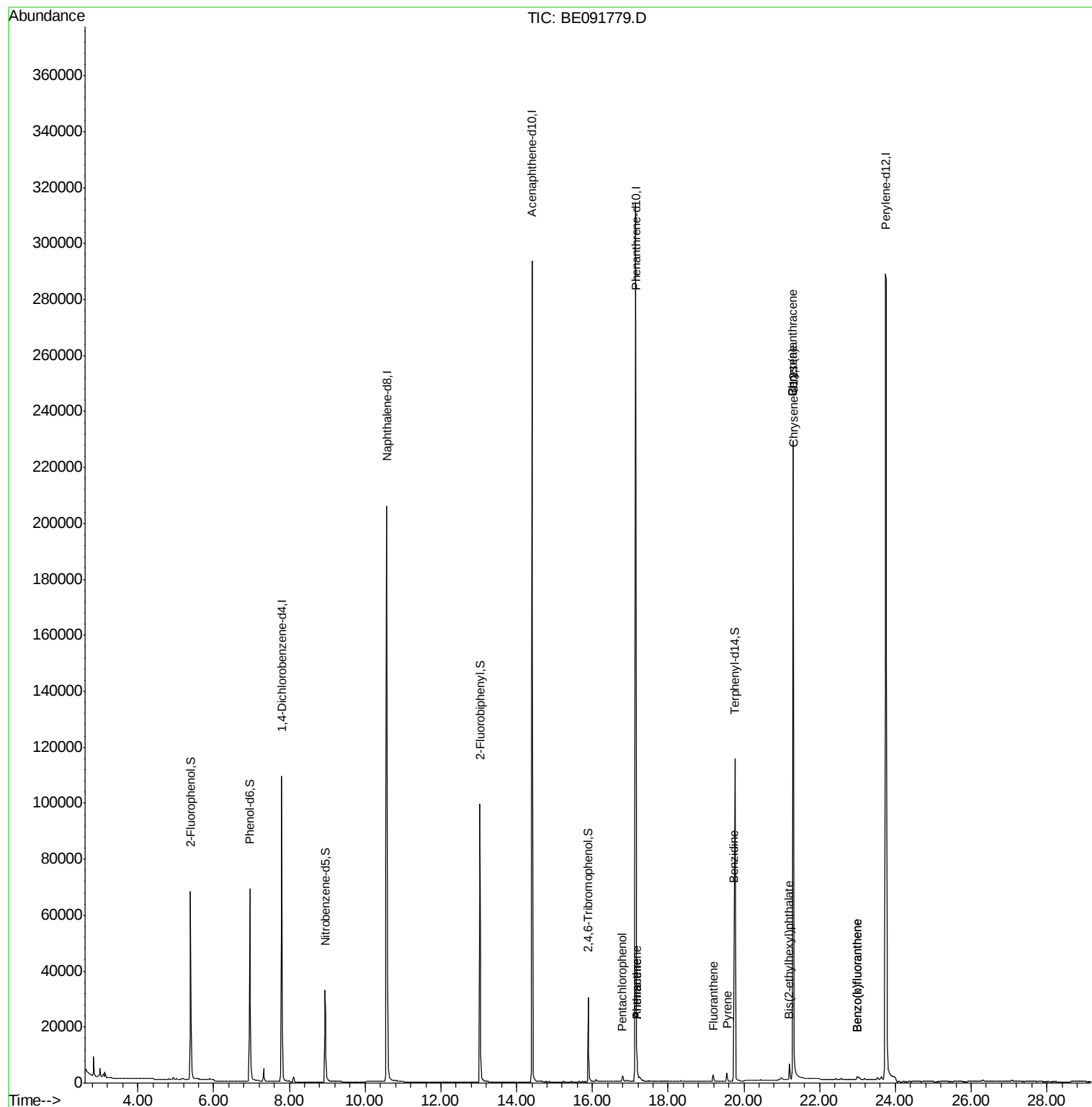
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	60470	5.00	ng	0.00
7) Naphthalene-d8	10.57	136	304573	5.00	ng	0.00
13) Acenaphthene-d10	14.41	164	185055	5.00	ng	-0.01
19) Phenanthrene-d10	17.15	188	450937	5.00	ng	0.00
26) Chrysene-d12	21.31	240	444637	5.00	ng	0.00
35) Perylene-d12	23.74	264	462592	5.00	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.39	112	53717	3.62	ng	0.00
5) Phenol-d6	6.95	99	79792	4.05	ng	0.00
8) Nitrobenzene-d5	8.95	82	34383	1.75	ng	0.00
14) 2,4,6-Tribromophenol	15.90	330	22438	3.35	ng	0.00
15) 2-Fluorobiphenyl	13.03	172	105866	2.02	ng	0.00
29) Terphenyl-d14	19.76	244	165510	2.39	ng	0.00
Target Compounds						Qvalue
22) Pentachlorophenol	16.79	266	1786	0.30	ng	92
23) Phenanthrene	17.18	178	2902	0.03	ng	# 81
24) Anthracene	17.18	178	2902	0.03	ng	97
25) Fluoranthene	19.19	202	2797	0.03	ng	97
27) Benzidine	19.74	184	2959	0.24	ng	# 85
28) Pyrene	19.55	202	3010	0.03	ng	96
30) Benzo(a)anthracene	21.29	228	4233	0.04	ng	# 86
32) Chrysene	21.29	228	4217	0.04	ng	# 82
33) Bis(2-ethylhexyl)phthalate	21.20	149	6608	0.20	ng	# 87
36) Benzo(b)fluoranthene	23.00	252	2457	0.02	ng	# 16
37) Benzo(k)fluoranthene	23.00	252	2464	0.02	ng	# 17

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

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.80 min Scan# 300

Delta R.T. -0.00 min

Lab File: BE091779.D

Acq: 16 May 2016 18:27

Instrument :

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ClientSampleId :

WELDON-WC-SC-019

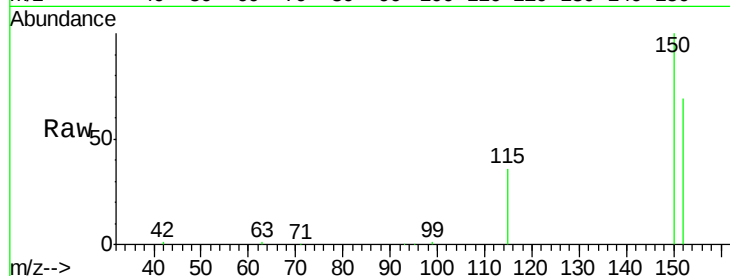
Tgt Ion:152 Resp: 60470

Ion Ratio Lower Upper

152 100

150 145.6 122.6 183.8

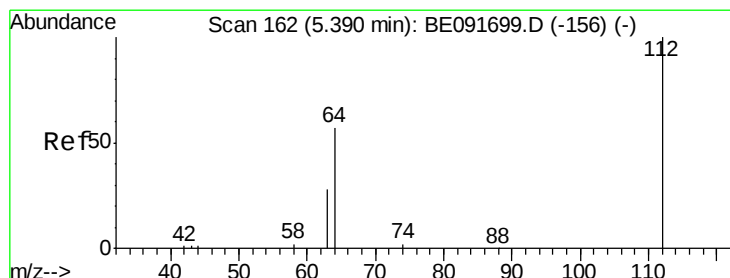
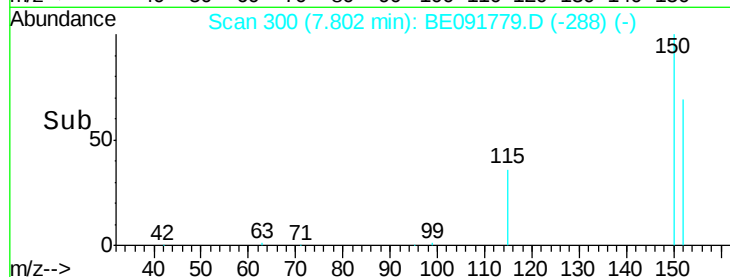
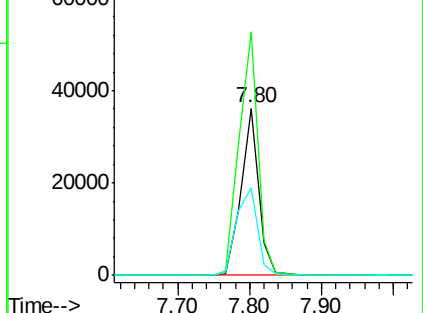
115 52.7 52.8 79.2#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol

Concen: 3.62 ng

RT: 5.39 min Scan# 162

Delta R.T. 0.00 min

Lab File: BE091779.D

Acq: 16 May 2016 18:27

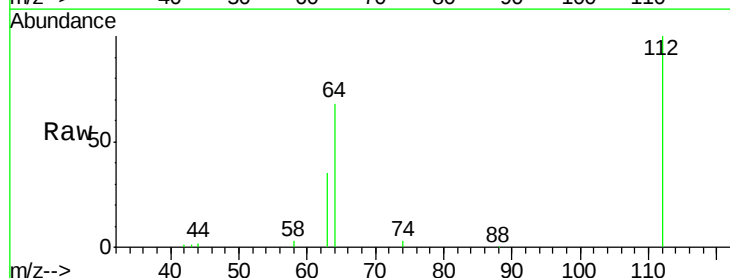
Tgt Ion:112 Resp: 53717

Ion Ratio Lower Upper

112 100

64 66.4 30.9 46.3#

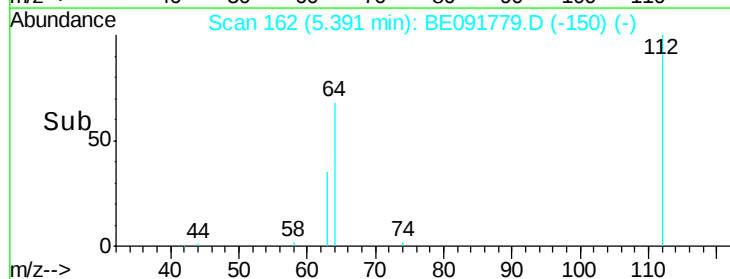
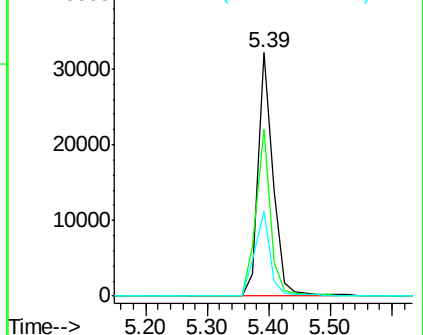
63 35.8 16.7 25.1#

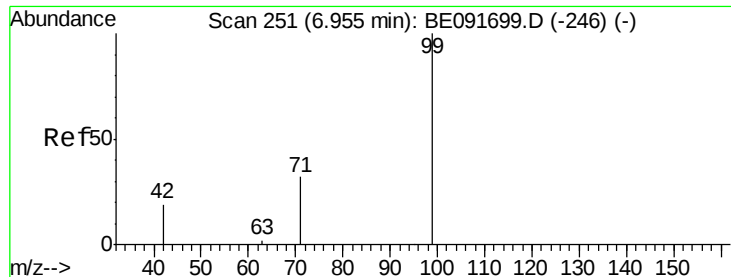


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 4.05 ng

RT: 6.95 min Scan# 251

Delta R.T. -0.00 min

Lab File: BE091779.D

Acq: 16 May 2016 18:27

Instrument :

BNA_E

ClientSampleId :

WELDON-WC-SC-019

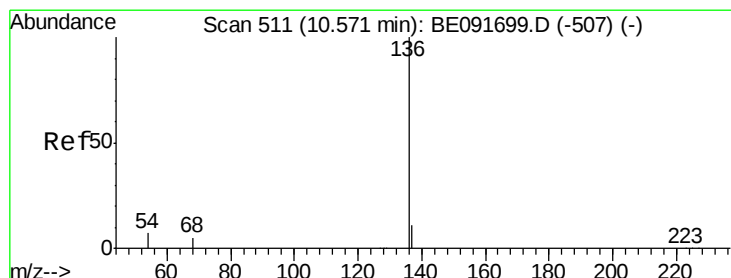
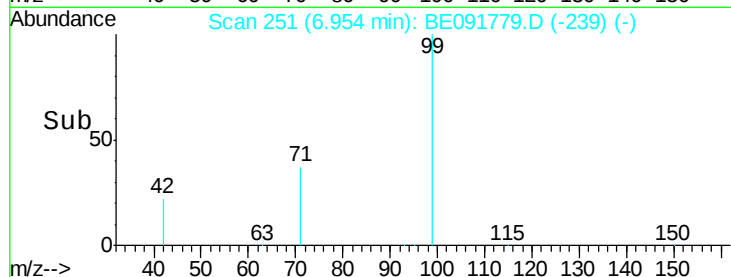
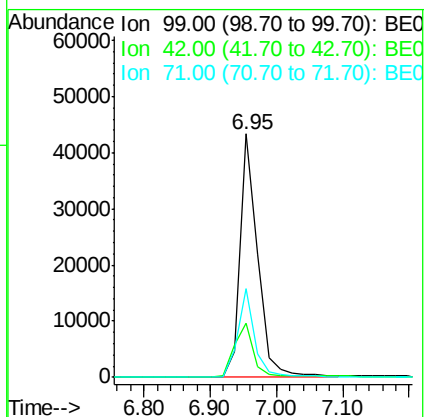
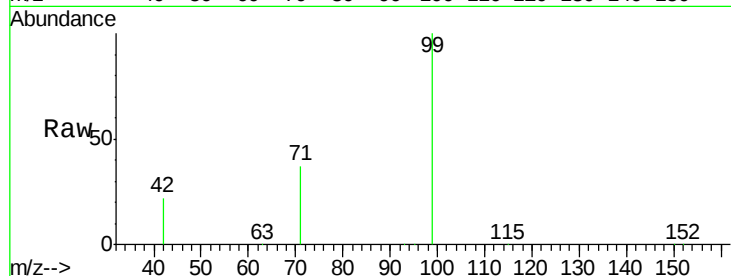
Tgt Ion: 99 Resp: 79792

Ion Ratio Lower Upper

99 100

42 24.2 16.2 24.2

71 35.0 29.0 43.4



#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.57 min Scan# 511

Delta R.T. 0.00 min

Lab File: BE091779.D

Acq: 16 May 2016 18:27

Tgt Ion: 136 Resp: 304573

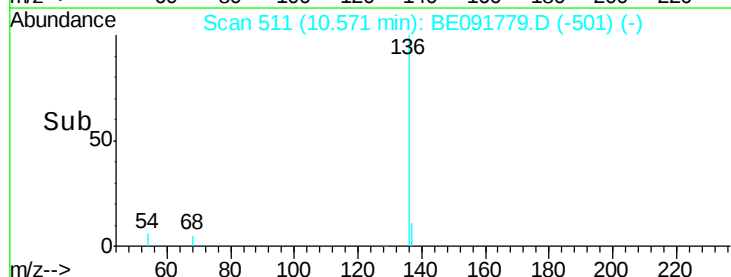
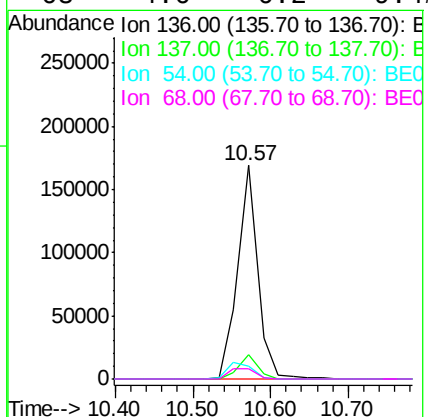
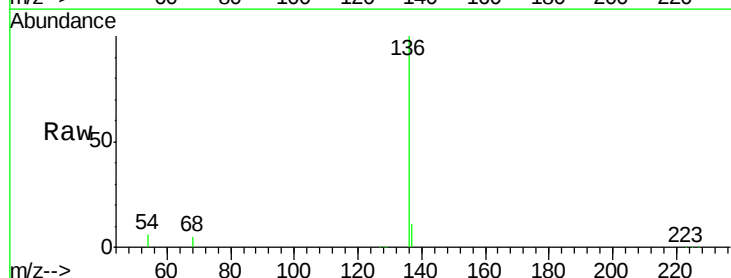
Ion Ratio Lower Upper

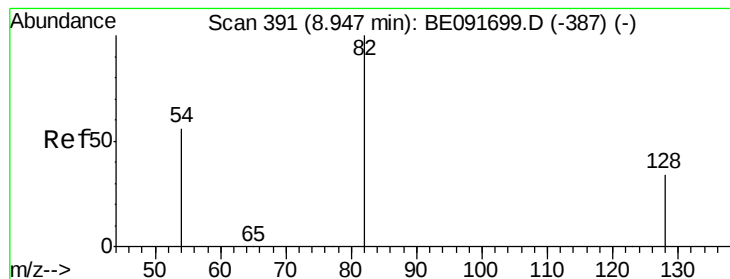
136 100

137 11.2 8.9 13.3

54 5.9 8.2 12.4#

68 4.6 6.2 9.4#





#8

Nitrobenzene-d5

Concen: 1.75 ng

RT: 8.95 min Scan# 391

Delta R.T. -0.00 min

Lab File: BE091779.D

Acq: 16 May 2016 18:27

Instrument :

BNA_E

ClientSampleId :

WELDON-WC-SC-019

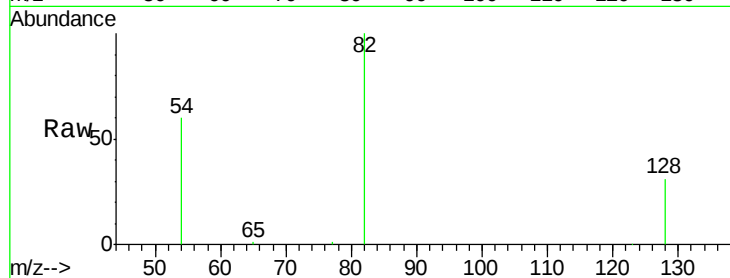
Tgt Ion: 82 Resp: 34383

Ion Ratio Lower Upper

82 100

128 31.2 25.4 38.0

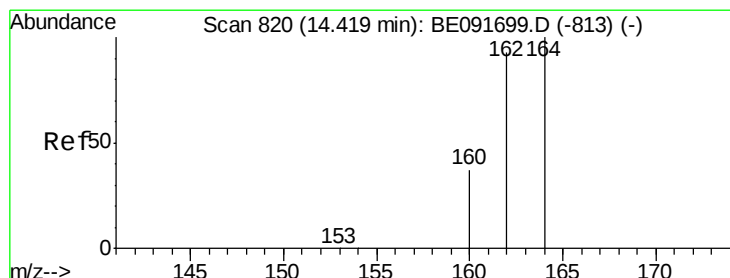
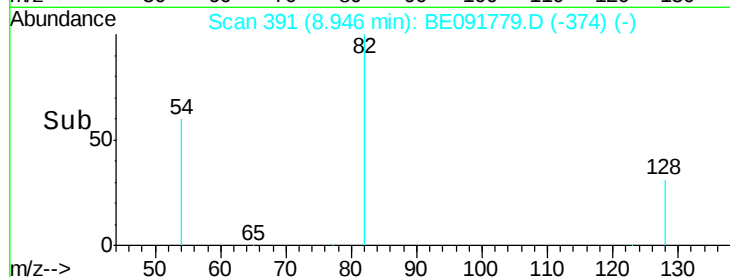
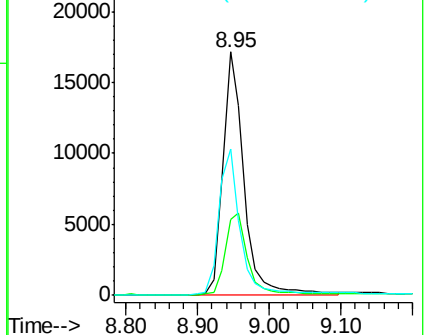
54 60.1 48.4 72.6



Abundance Ion 82.00 (81.70 to 82.70): BE091699.D (-387) (-)

Ion 128.00 (127.70 to 128.70): BE091699.D (-387) (-)

Ion 54.00 (53.70 to 54.70): BE091699.D (-387) (-)



#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.41 min Scan# 819

Delta R.T. -0.01 min

Lab File: BE091779.D

Acq: 16 May 2016 18:27

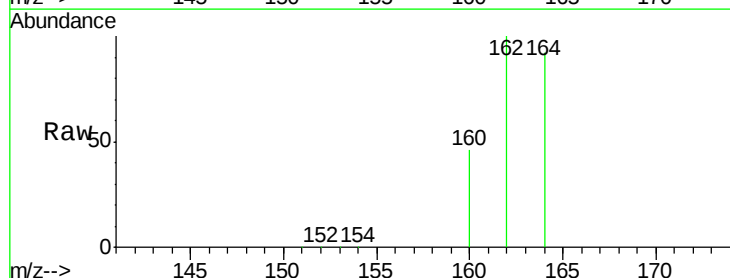
Tgt Ion: 164 Resp: 185055

Ion Ratio Lower Upper

164 100

162 109.0 85.3 127.9

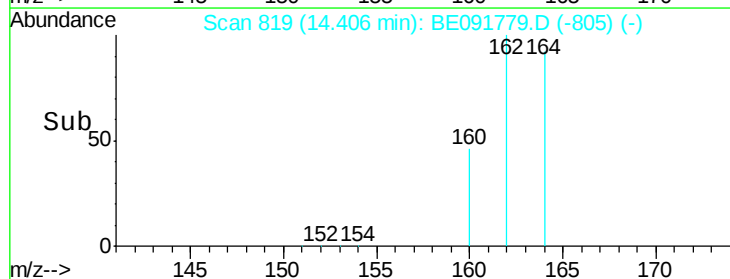
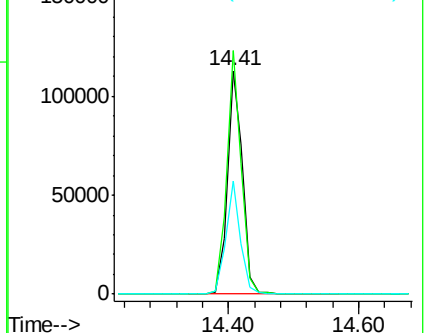
160 50.4 46.2 69.2

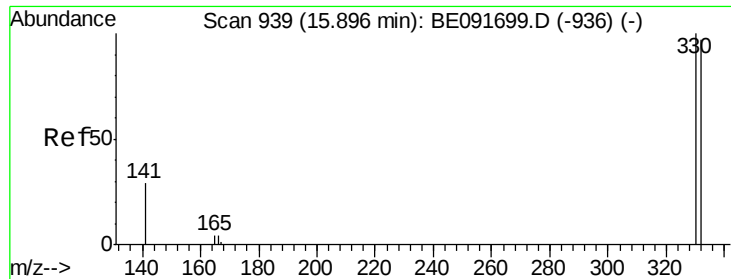


Abundance Ion 164.00 (163.70 to 164.70): BE091699.D (-813) (-)

Ion 162.00 (161.70 to 162.70): BE091699.D (-813) (-)

Ion 160.00 (159.70 to 160.70): BE091699.D (-813) (-)

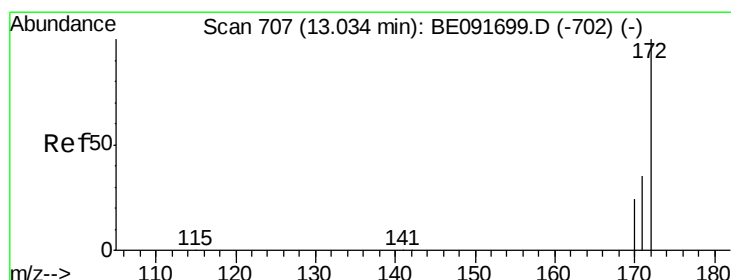
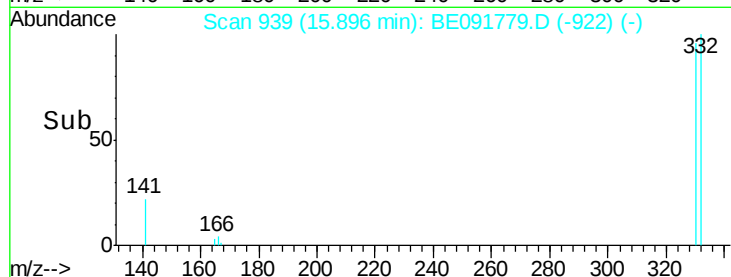
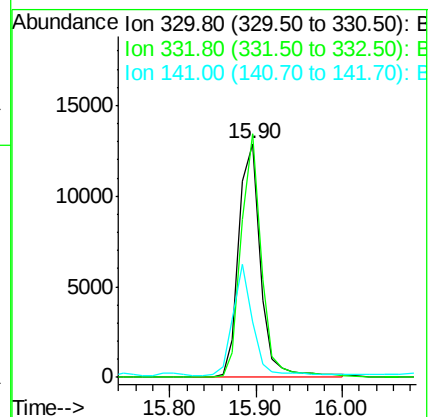
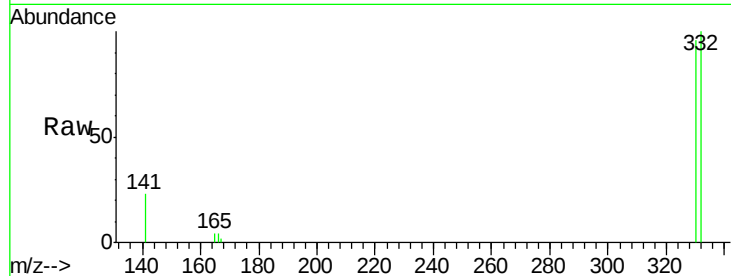




#14
 2,4,6-Tribromophenol
 Concen: 3.35 ng
 RT: 15.90 min Scan# 939
 Delta R.T. -0.00 min
 Lab File: BE091779.D
 Acq: 16 May 2016 18:27

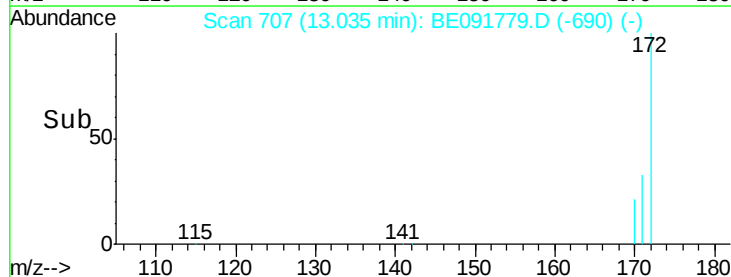
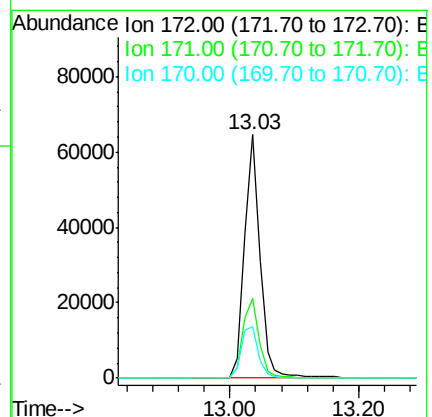
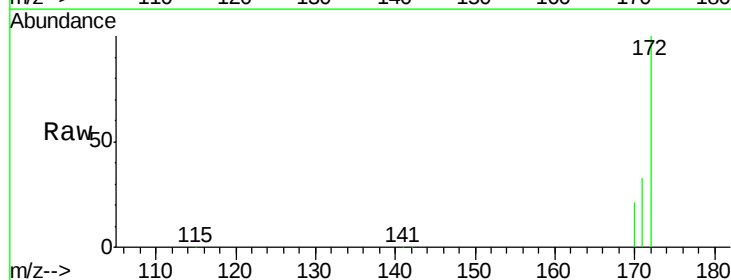
Instrument :
 BNA_E
 ClientSampleId :
 WELDON-WC-SC-019

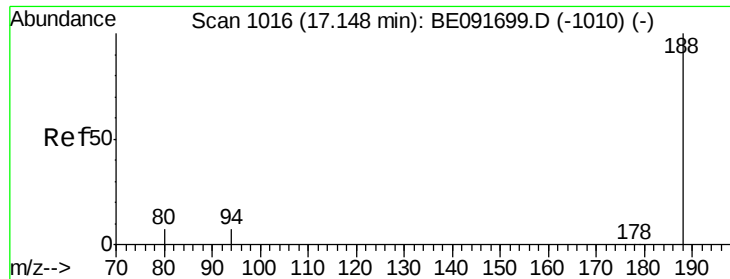
Tgt Ion:330 Resp: 22438
 Ion Ratio Lower Upper
 330 100
 332 96.8 79.1 118.7
 141 43.3 125.4 188.0#



#15
 2-Fluorobiphenyl
 Concen: 2.02 ng
 RT: 13.03 min Scan# 707
 Delta R.T. 0.00 min
 Lab File: BE091779.D
 Acq: 16 May 2016 18:27

Tgt Ion:172 Resp: 105866
 Ion Ratio Lower Upper
 172 100
 171 32.7 28.8 43.2
 170 21.2 19.3 28.9

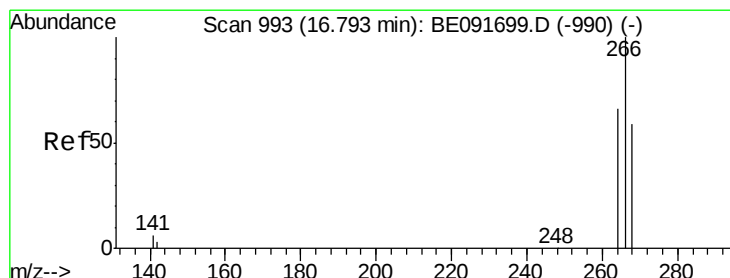
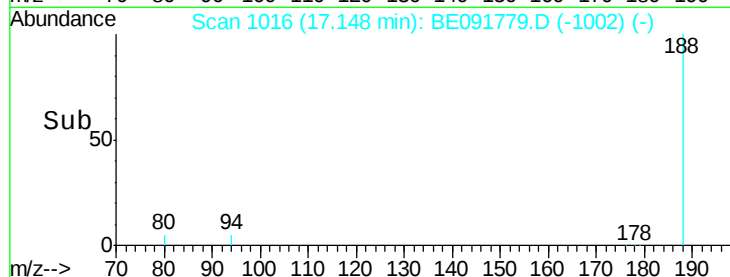
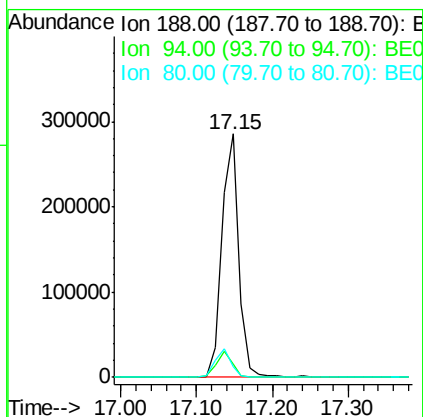
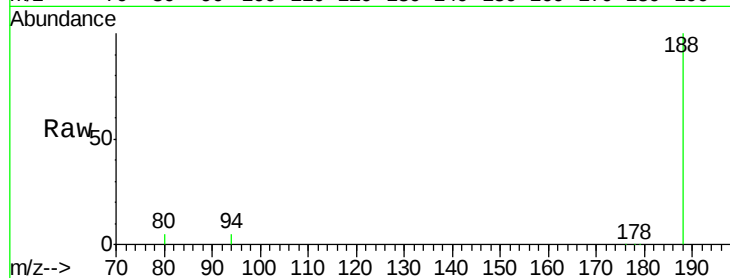




#19
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.15 min Scan# 1016
Delta R.T. -0.00 min
Lab File: BE091779.D
Acq: 16 May 2016 18:27

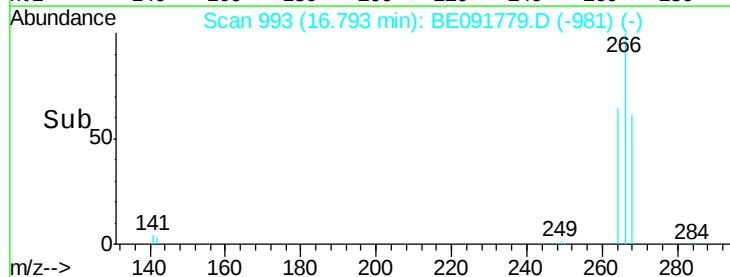
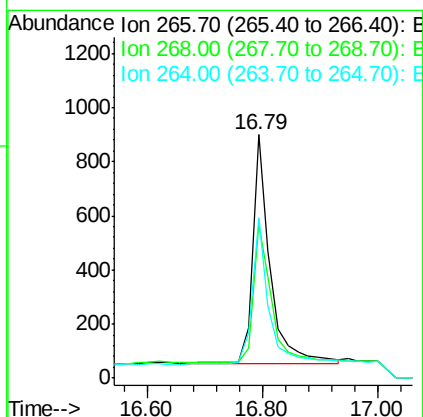
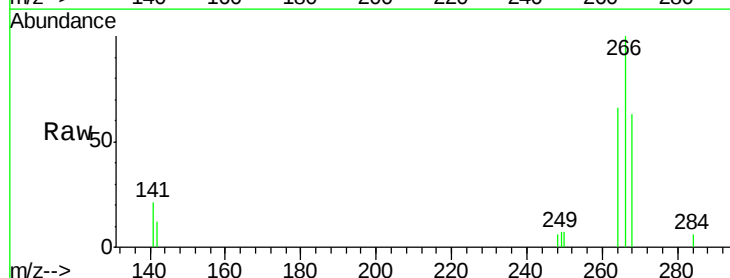
Instrument :
BNA_E
ClientSampleId :
WELDON-WC-SC-019

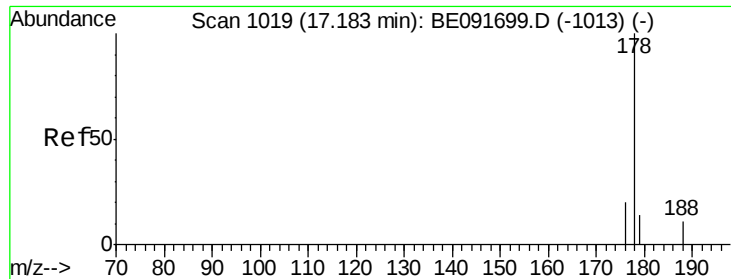
Tgt Ion:188 Resp: 450937
Ion Ratio Lower Upper
188 100
94 5.4 8.7 13.1#
80 4.6 9.4 14.0#



#22
Pentachlorophenol
Concen: 0.30 ng
RT: 16.79 min Scan# 993
Delta R.T. 0.00 min
Lab File: BE091779.D
Acq: 16 May 2016 18:27

Tgt Ion:266 Resp: 1786
Ion Ratio Lower Upper
266 100
268 63.2 58.2 87.2
264 65.9 56.2 84.4





#23

Phenanthrene

Concen: 0.03 ng

RT: 17.18 min Scan# 1019

Delta R.T. -0.00 min

Lab File: BE091779.D

Acq: 16 May 2016 18:27

Instrument :

BNA_E

ClientSampleId :

WELDON-WC-SC-019

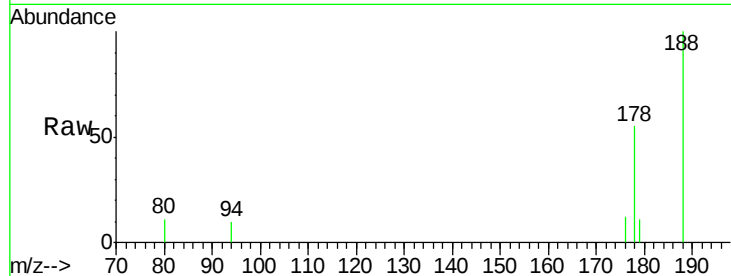
Tgt Ion:178 Resp: 2902

Ion Ratio Lower Upper

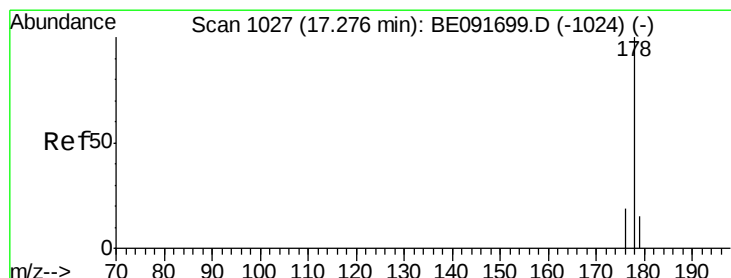
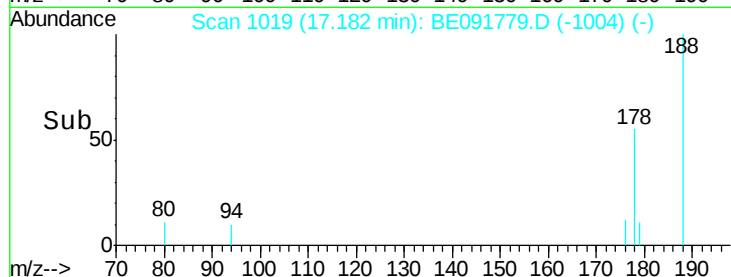
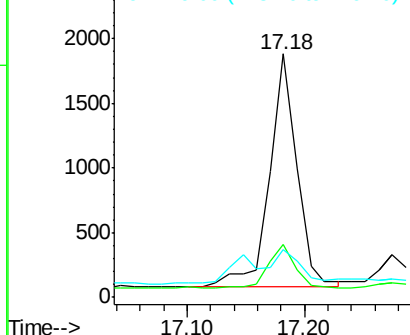
178 100

176 17.5 15.3 22.9

179 0.0 12.6 18.8#



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



#24

Anthracene

Concen: 0.03 ng

RT: 17.18 min Scan# 1019

Delta R.T. -0.09 min

Lab File: BE091779.D

Acq: 16 May 2016 18:27

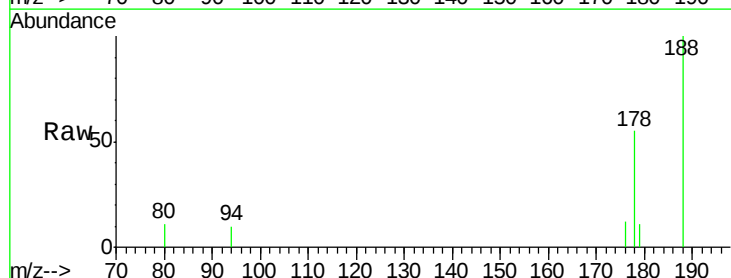
Tgt Ion:178 Resp: 2902

Ion Ratio Lower Upper

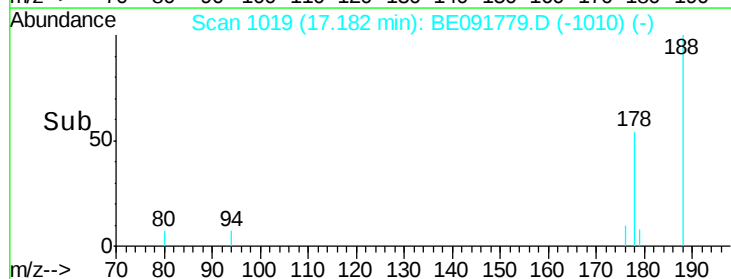
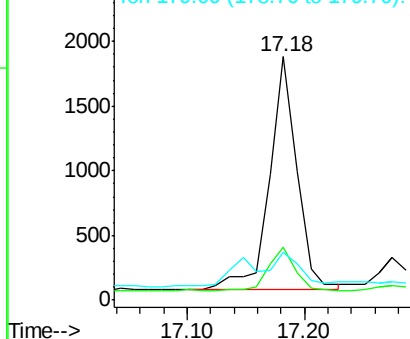
178 100

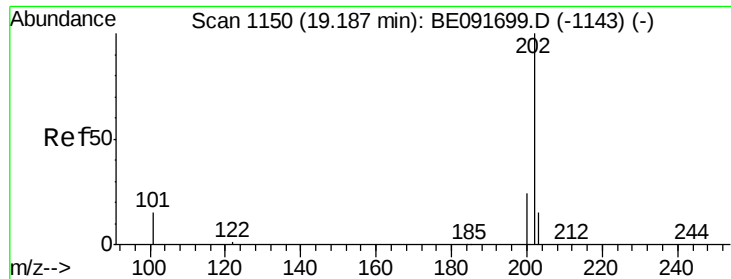
176 17.7 14.6 21.8

179 12.9 11.8 17.6



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





#25

Fluoranthene

Concen: 0.03 ng

RT: 19.19 min Scan# 1150

Delta R.T. -0.00 min

Lab File: BE091779.D

Acq: 16 May 2016 18:27

Instrument :

BNA_E

ClientSampleId :

WELDON-WC-SC-019

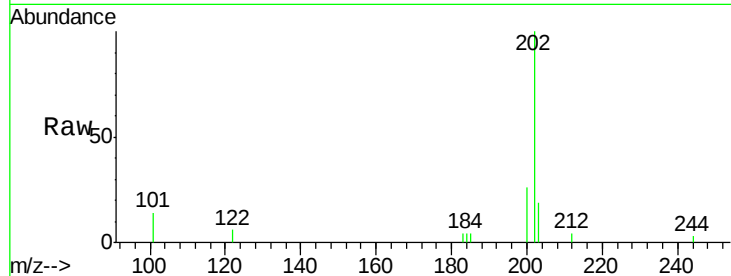
Tgt Ion:202 Resp: 2797

Ion Ratio Lower Upper

202 100

101 11.0 11.0 16.6

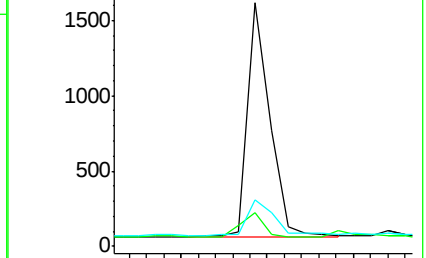
203 17.4 13.9 20.9



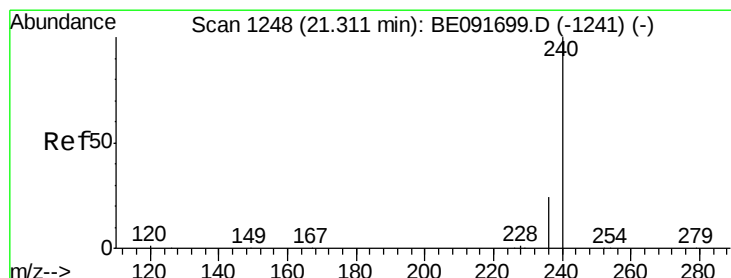
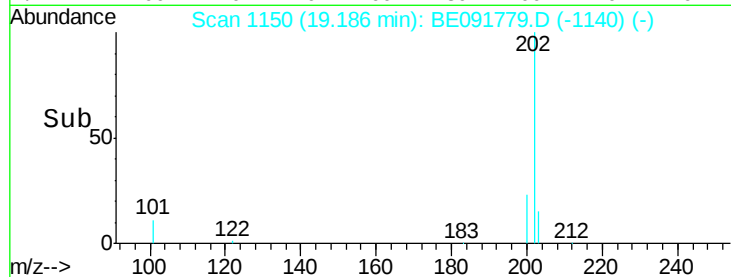
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->



#26

Chrysene-d12

Concen: 5.00 ng

RT: 21.31 min Scan# 1248

Delta R.T. 0.00 min

Lab File: BE091779.D

Acq: 16 May 2016 18:27

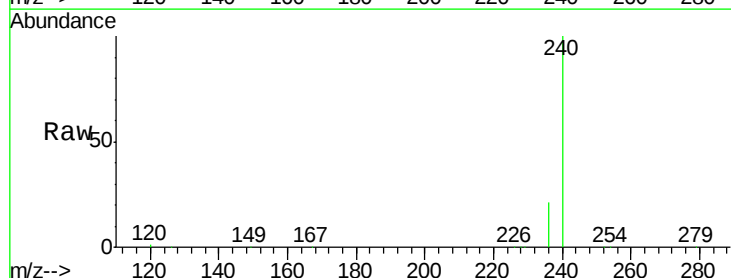
Tgt Ion:240 Resp: 444637

Ion Ratio Lower Upper

240 100

120 0.9 11.0 16.4#

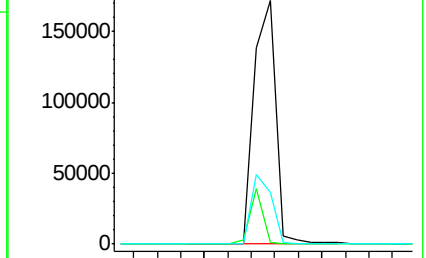
236 21.1 21.7 32.5#



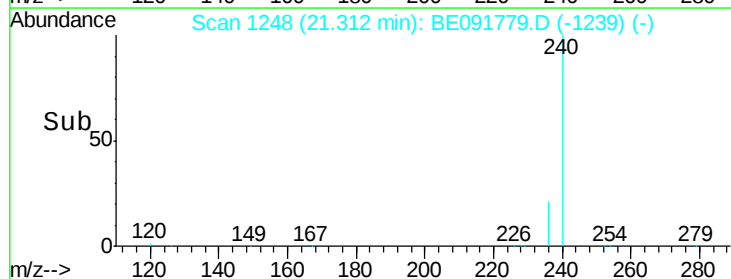
Abundance Ion 240.00 (239.70 to 240.70): E

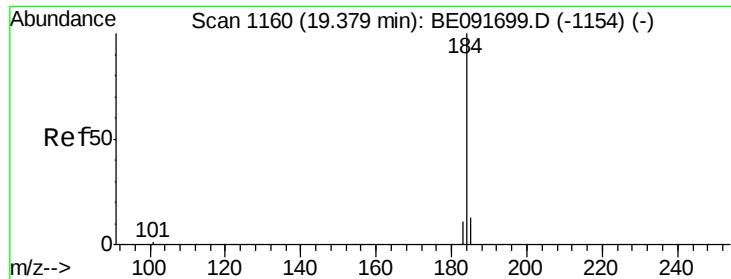
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time-->





#27

Benzidine

Concen: 0.24 ng

RT: 19.74 min Scan# 1179

Delta R.T. 0.37 min

Lab File: BE091779.D

Acq: 16 May 2016 18:27

Instrument :

BNA_E

ClientSampleId :

WELDON-WC-SC-019

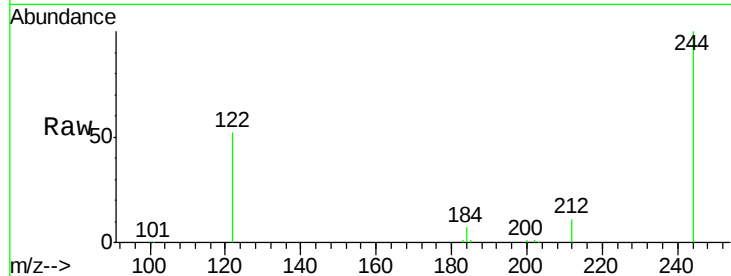
Tgt Ion:184 Resp: 2959

Ion Ratio Lower Upper

184 100

185 17.9 22.3 33.5#

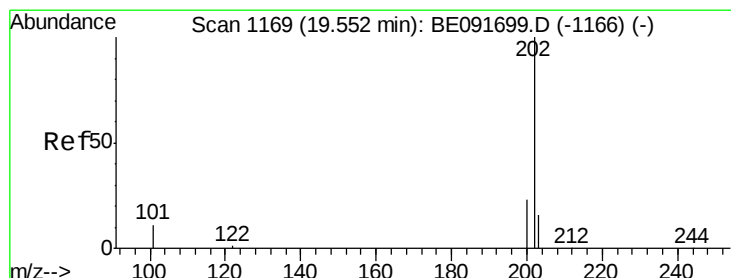
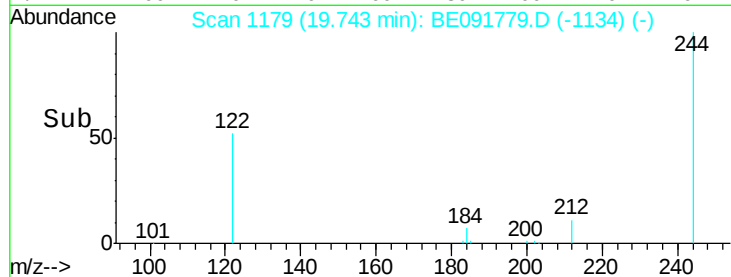
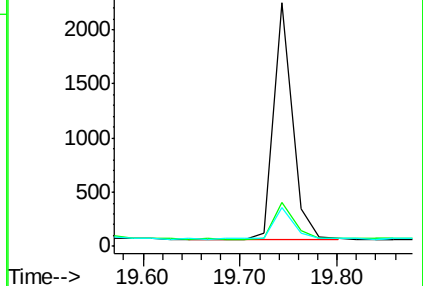
183 15.7 16.4 24.6#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#28

Pyrene

Concen: 0.03 ng

RT: 19.55 min Scan# 1169

Delta R.T. -0.00 min

Lab File: BE091779.D

Acq: 16 May 2016 18:27

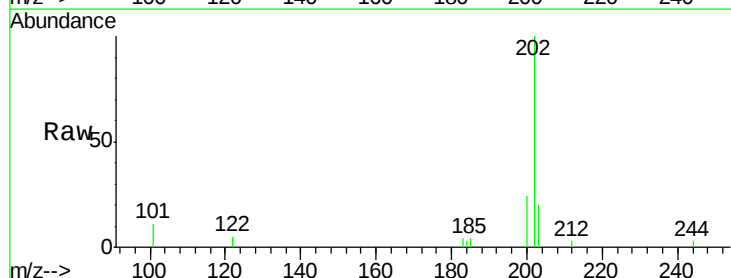
Tgt Ion:202 Resp: 3010

Ion Ratio Lower Upper

202 100

200 21.5 16.8 25.2

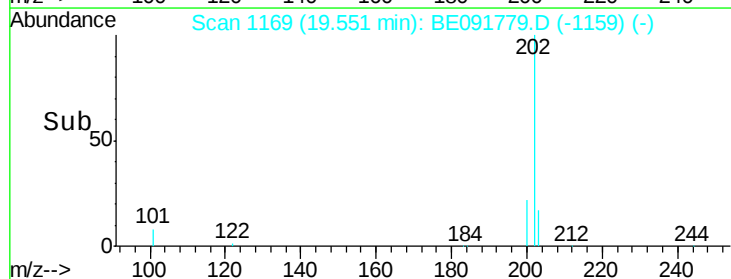
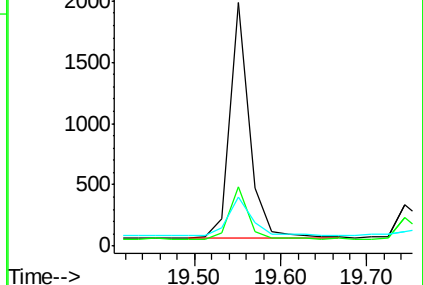
203 20.8 14.0 21.0

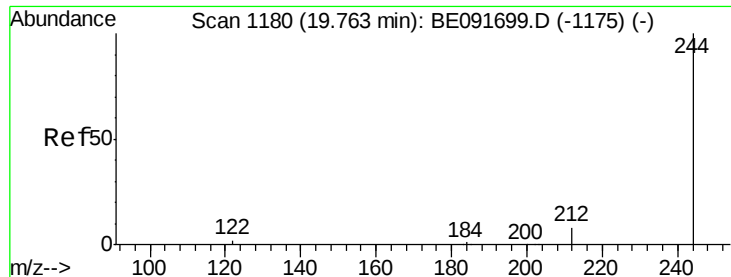


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 2.39 ng

RT: 19.76 min Scan# 1180

Delta R.T. -0.00 min

Lab File: BE091779.D

Acq: 16 May 2016 18:27

Instrument :

BNA_E

ClientSampleId :

WELDON-WC-SC-019

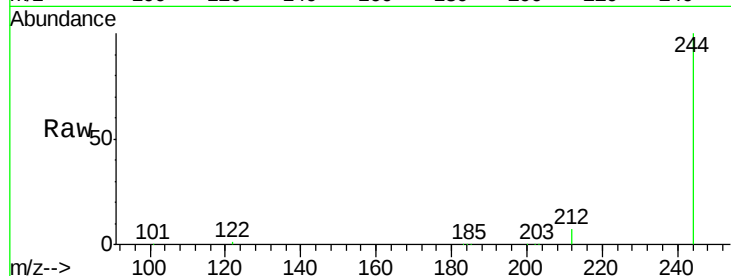
Tgt Ion:244 Resp: 165510

Ion Ratio Lower Upper

244 100

212 6.8 6.9 10.3#

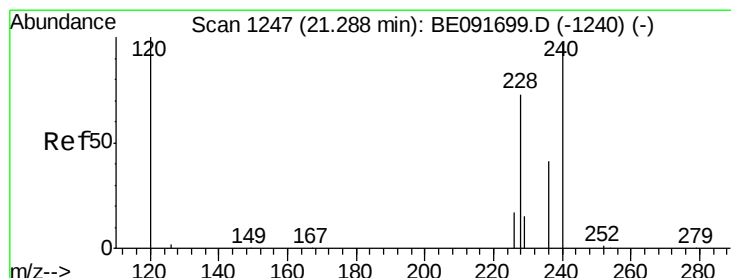
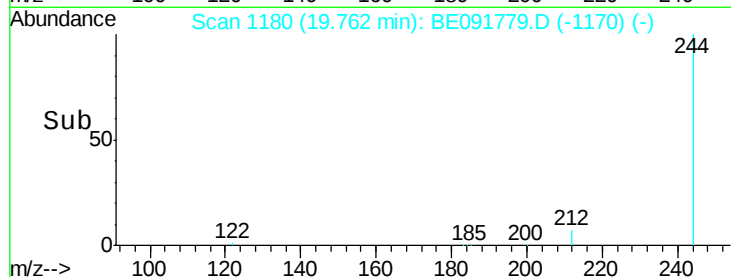
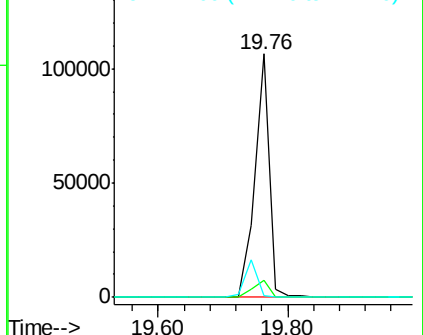
122 0.9 11.0 16.4#



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



#30

Benzo(a)anthracene

Concen: 0.04 ng

RT: 21.29 min Scan# 1247

Delta R.T. 0.00 min

Lab File: BE091779.D

Acq: 16 May 2016 18:27

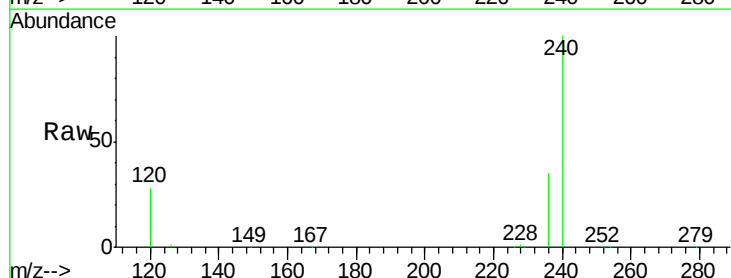
Tgt Ion:228 Resp: 4233

Ion Ratio Lower Upper

228 100

226 20.8 21.0 31.4#

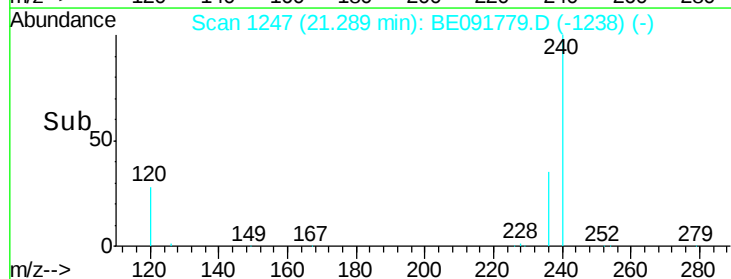
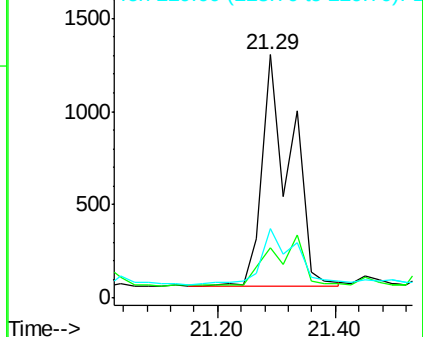
229 28.4 15.7 23.5#

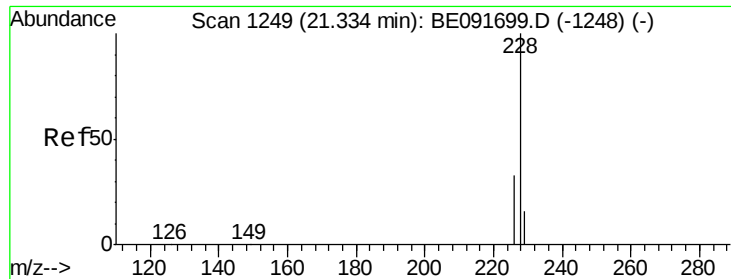


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#32

Chrysene

Concen: 0.04 ng

RT: 21.29 min Scan# 1247

Delta R.T. -0.05 min

Lab File: BE091779.D

Acq: 16 May 2016 18:27

Instrument :

BNA_E

ClientSampleId :

WELDON-WC-SC-019

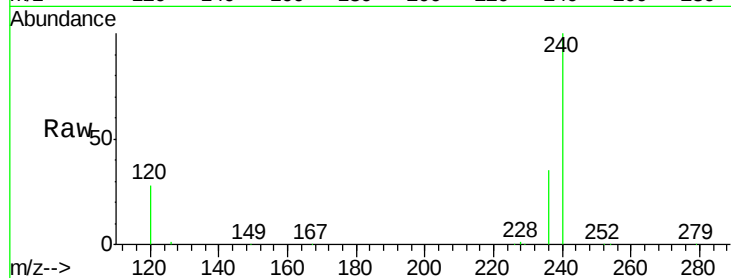
Tgt Ion:228 Resp: 4217

Ion Ratio Lower Upper

228 100

226 20.8 24.0 36.0#

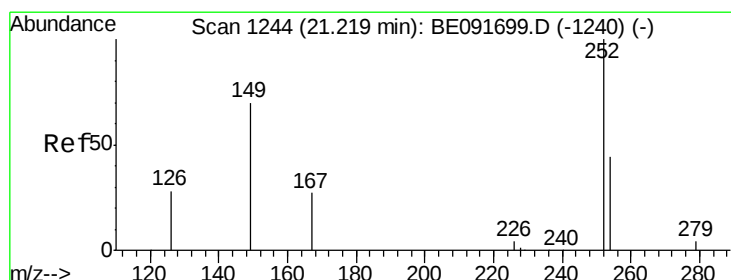
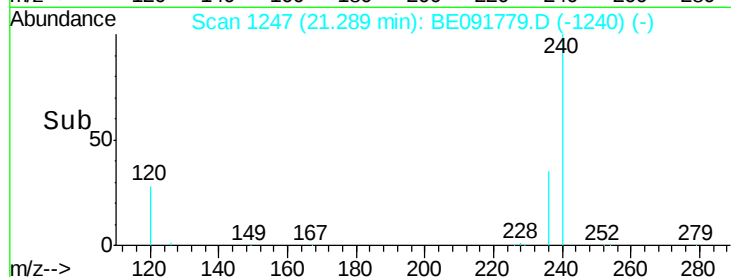
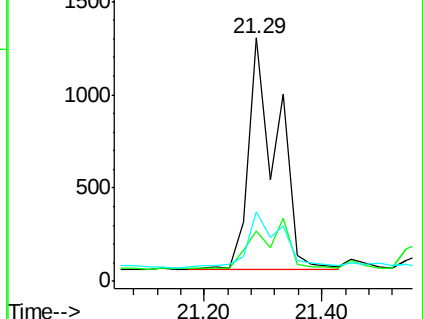
229 28.4 15.9 23.9#



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



#33

Bis(2-ethylhexyl)phthalate

Concen: 0.20 ng

RT: 21.20 min Scan# 1243

Delta R.T. -0.02 min

Lab File: BE091779.D

Acq: 16 May 2016 18:27

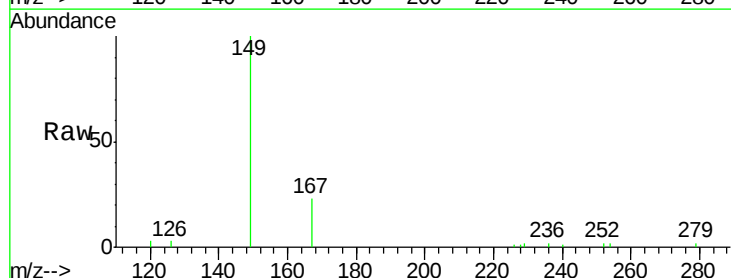
Tgt Ion:149 Resp: 6608

Ion Ratio Lower Upper

149 100

167 22.8 19.5 29.3

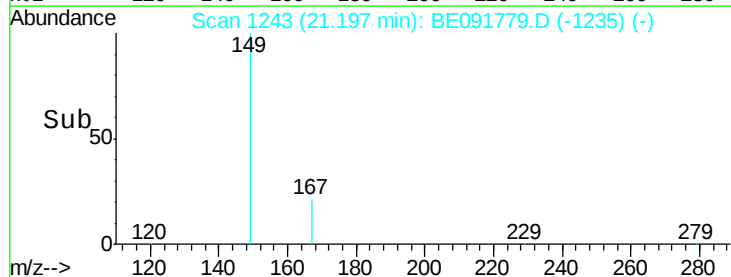
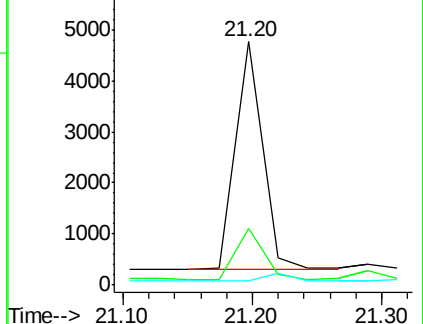
279 0.0 10.0 15.0#

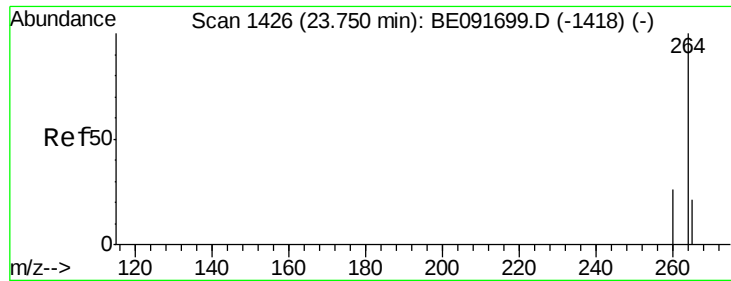


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

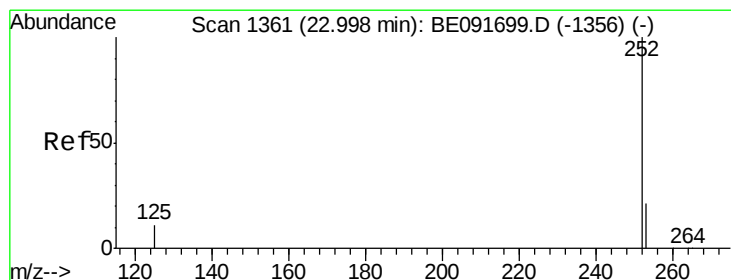
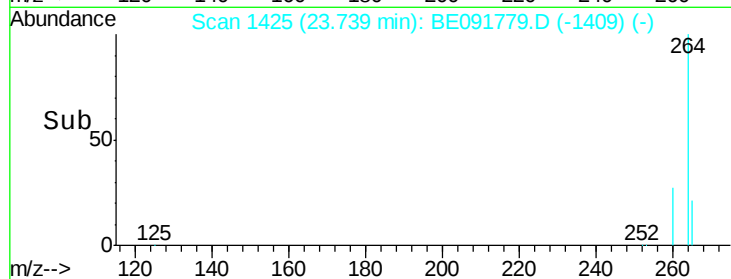
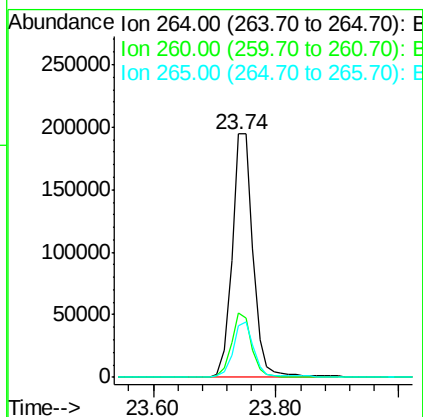
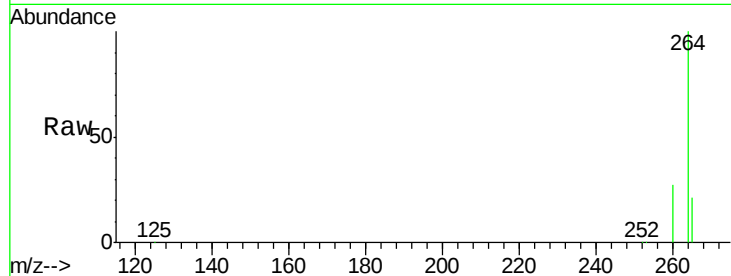




#35
Perylene-d12
 Concen: 5.00 ng
 RT: 23.74 min Scan# 1425
 Delta R.T. -0.01 min
 Lab File: BE091779.D
 Acq: 16 May 2016 18:27

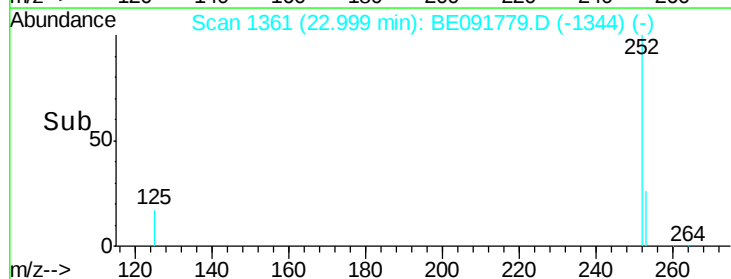
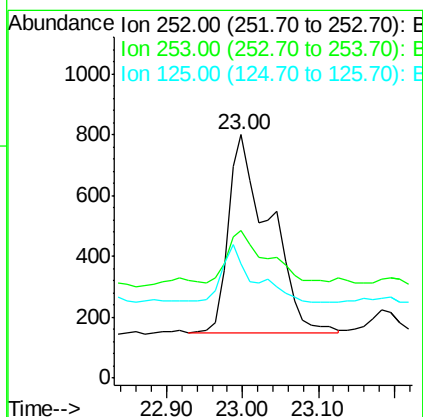
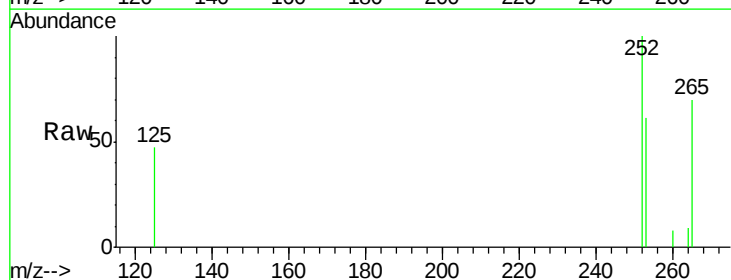
Instrument :
 BNA_E
 ClientSampleId :
 WELDON-WC-SC-019

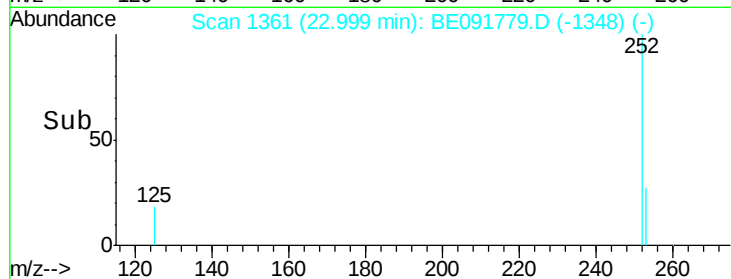
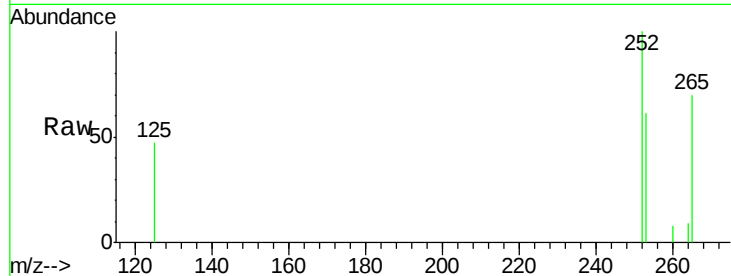
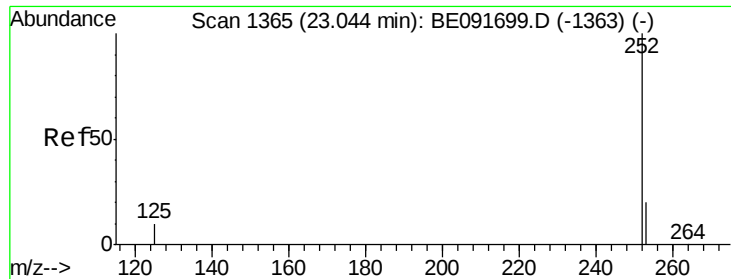
Tgt Ion: 264 Resp: 462592
 Ion Ratio Lower Upper
 264 100
 260 26.6 20.0 30.0
 265 21.0 17.5 26.3



#36
Benzo(b)fluoranthene
 Concen: 0.02 ng
 RT: 23.00 min Scan# 1361
 Delta R.T. 0.00 min
 Lab File: BE091779.D
 Acq: 16 May 2016 18:27

Tgt Ion: 252 Resp: 2457
 Ion Ratio Lower Upper
 252 100
 253 60.7 17.4 26.0#
 125 46.7 10.2 15.2#





#37

Benzo(k)fluoranthene

Concen: 0.02 ng

RT: 23.00 min Scan# 1361

Delta R.T. -0.05 min

Lab File: BE091779.D

Acq: 16 May 2016 18:27

Instrument :

BNA_E

ClientSampleId :

WELDON-WC-SC-019

Tgt Ion: 252 Resp: 2464

Ion Ratio Lower Upper

252 100

253 60.7 17.6 26.4#

125 46.7 9.9 14.9#

