

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE051616\
 Data File : BE091782.D
 Acq On : 16 May 2016 20:21
 Operator : UM/SJ
 Sample : H3026-02
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 WELDON-WC-SC-020

Quant Time: May 17 04:02:41 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

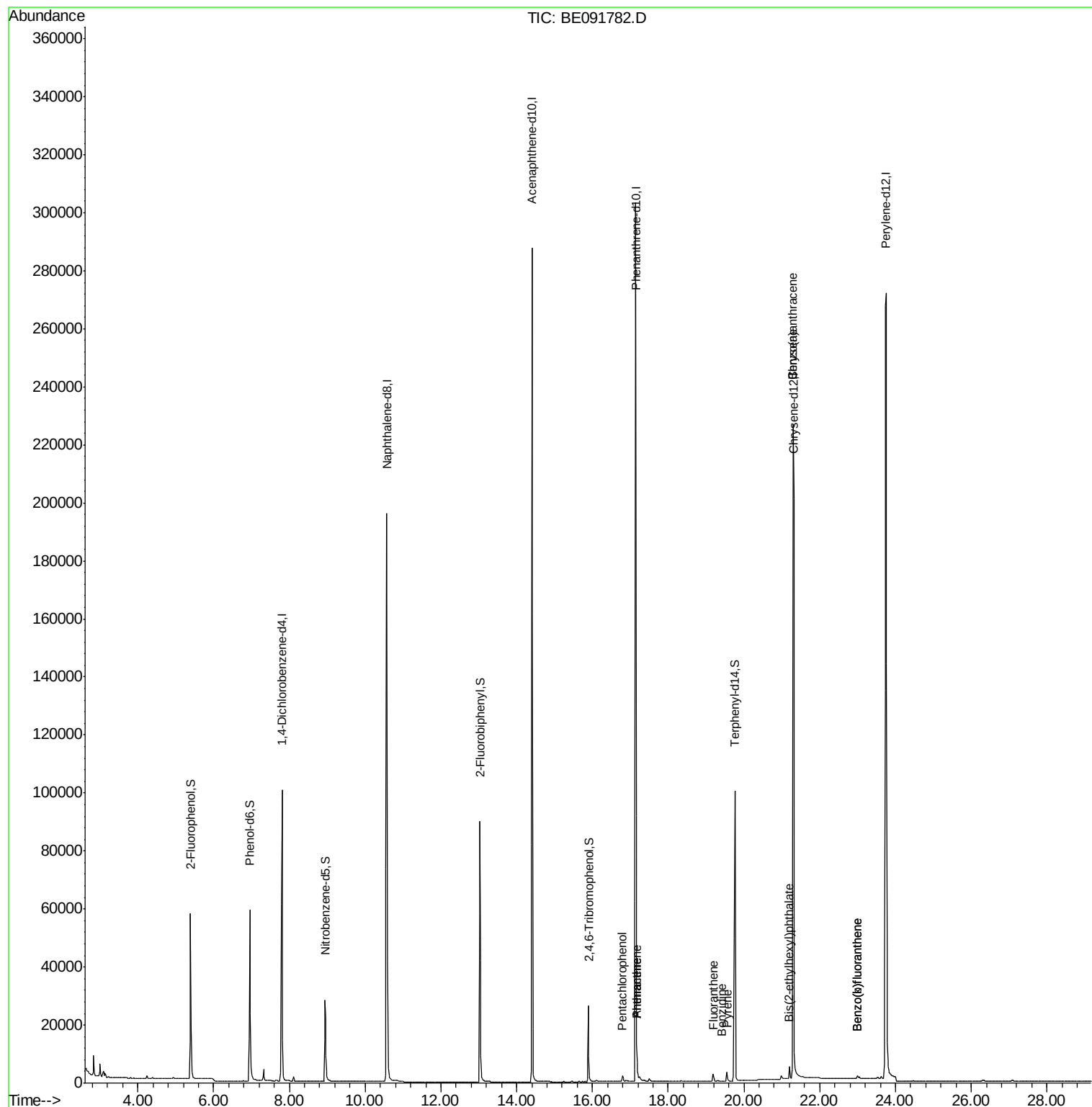
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	57366	5.00	ng	0.00
7) Naphthalene-d8	10.57	136	291407	5.00	ng	0.00
13) Acenaphthene-d10	14.41	164	178948	5.00	ng	-0.01
19) Phenanthrene-d10	17.15	188	425369	5.00	ng	0.00
26) Chrysene-d12	21.31	240	434675	5.00	ng	0.00
35) Perylene-d12	23.75	264	442344	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.39	112	45952	3.26	ng	0.00
5) Phenol-d6	6.96	99	69285	3.71	ng	0.00
8) Nitrobenzene-d5	8.95	82	30574	1.63	ng	0.00
14) 2,4,6-Tribromophenol	15.90	330	20597	3.19	ng	0.00
15) 2-Fluorobiphenyl	13.03	172	96015	1.90	ng	0.00
29) Terphenyl-d14	19.76	244	145502	2.15	ng	0.00
Target Compounds						Qvalue
22) Pentachlorophenol	16.79	266	1882	0.32	ng	93
23) Phenanthrene	17.18	178	3194	0.03	ng	96
24) Anthracene	17.18	178	3194	0.04	ng	98
25) Fluoranthene	19.19	202	3028	0.03	ng	97
27) Benzidine	19.42	184	105	0.17	ng	# 1
28) Pyrene	19.55	202	3230	0.03	ng	96
30) Benzo(a)anthracene	21.29	228	4142	0.04	ng	# 86
32) Chrysene	21.29	228	4127	0.04	ng	# 83
33) Bis(2-ethylhexyl)phthalate	21.20	149	4928	0.15	ng	# 88
36) Benzo(b)fluoranthene	23.00	252	2387	0.02	ng	# 9
37) Benzo(k)fluoranthene	23.00	252	2387	0.02	ng	# 9

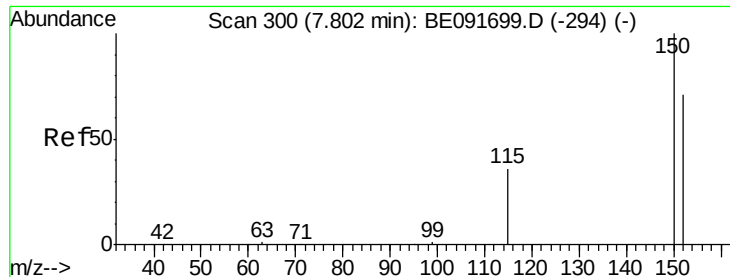
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE091782.D

Acq: 16 May 2016 20:21

Instrument :

BNA_E

ClientSampleId :

WELDON-WC-SC-020

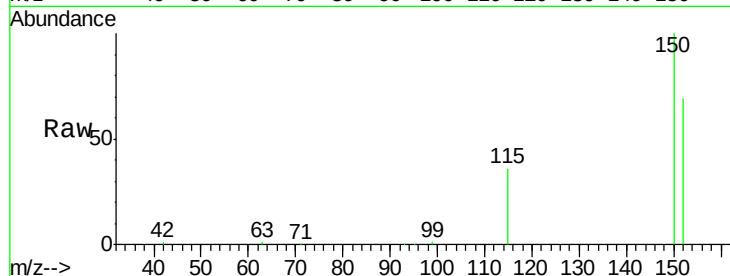
Tgt Ion:152 Resp: 57366

Ion Ratio Lower Upper

152 100

150 144.4 122.6 183.8

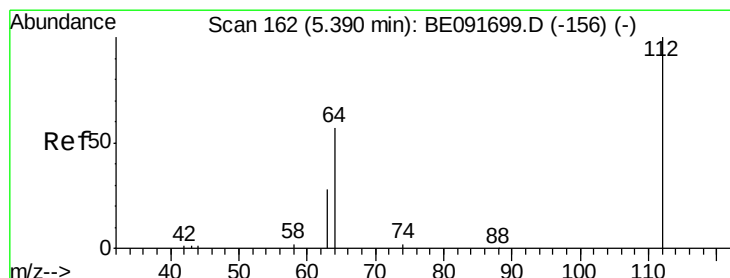
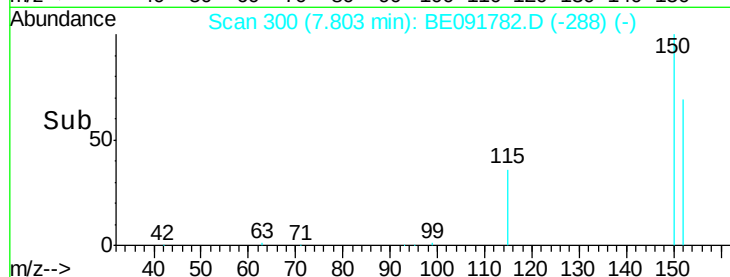
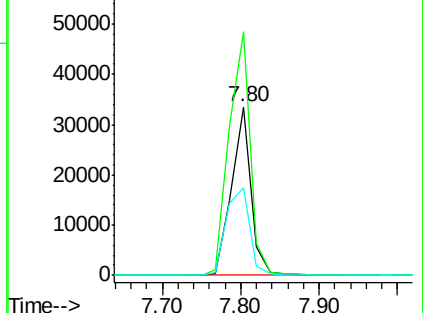
115 51.8 52.8 79.2#



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: 3.26 ng

RT: 5.39 min Scan# 162

Delta R.T. 0.00 min

Lab File: BE091782.D

Acq: 16 May 2016 20:21

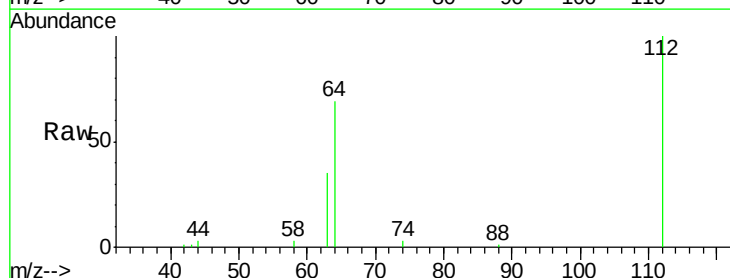
Tgt Ion:112 Resp: 45952

Ion Ratio Lower Upper

112 100

64 66.3 30.9 46.3#

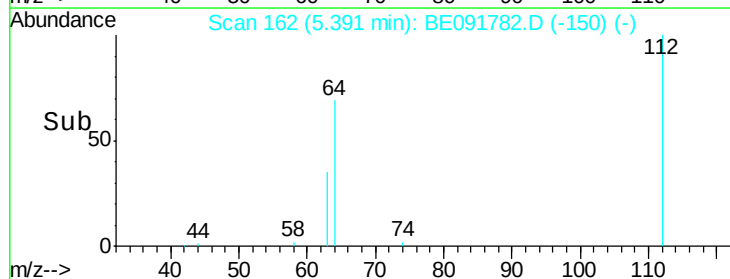
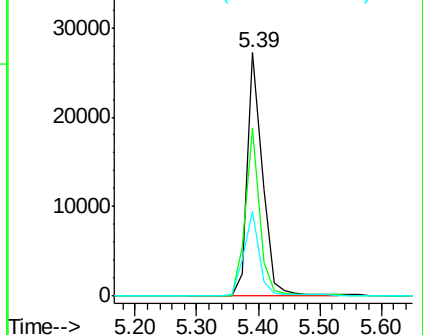
63 35.6 16.7 25.1#

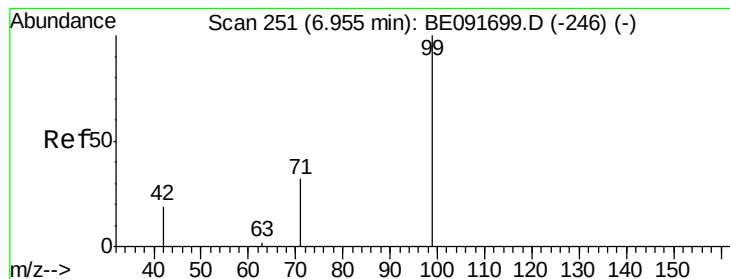


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 3.71 ng

RT: 6.96 min Scan# 251

Delta R.T. 0.00 min

Lab File: BE091782.D

Acq: 16 May 2016 20:21

Instrument :

BNA_E

ClientSampleId :

WELDON-WC-SC-020

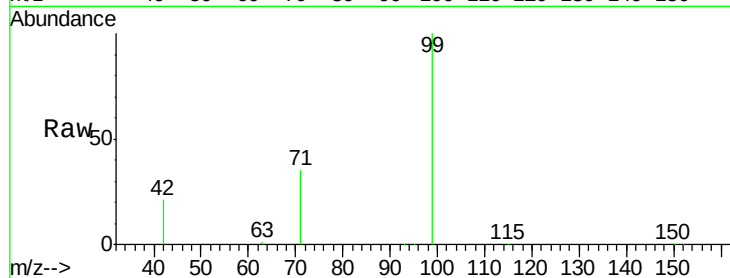
Tgt Ion: 99 Resp: 69285

Ion Ratio Lower Upper

99 100

42 23.9 16.2 24.2

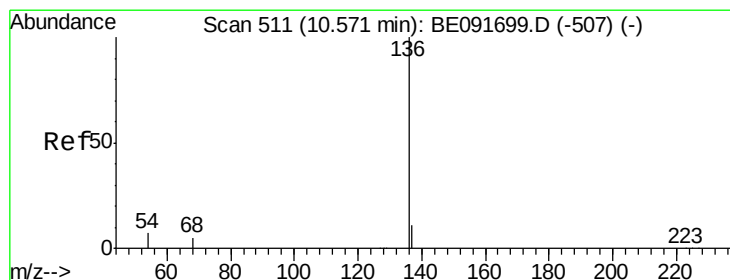
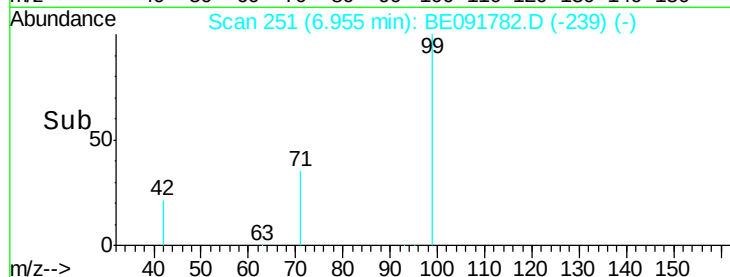
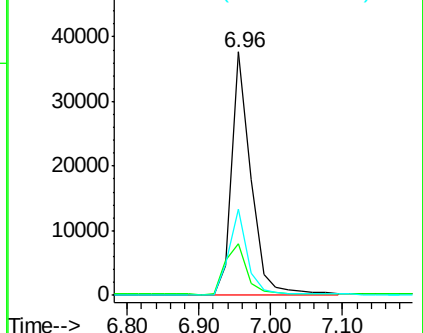
71 34.9 29.0 43.4



Abundance Ion 99.00 (98.70 to 99.70): BE091699.D (-246) (-)

Ion 42.00 (41.70 to 42.70): BE091699.D (-246) (-)

Ion 71.00 (70.70 to 71.70): BE091699.D (-246) (-)



#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.57 min Scan# 511

Delta R.T. 0.00 min

Lab File: BE091782.D

Acq: 16 May 2016 20:21

Tgt Ion: 136 Resp: 291407

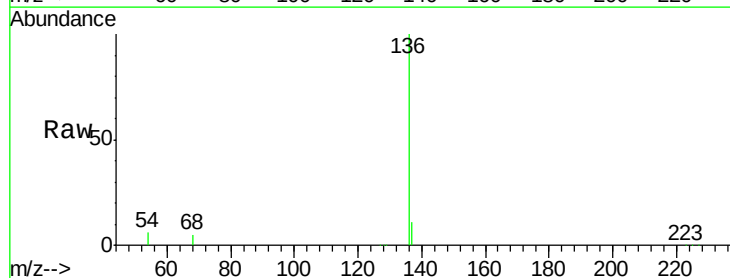
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 6.1 8.2 12.4#

68 4.7 6.2 9.4#

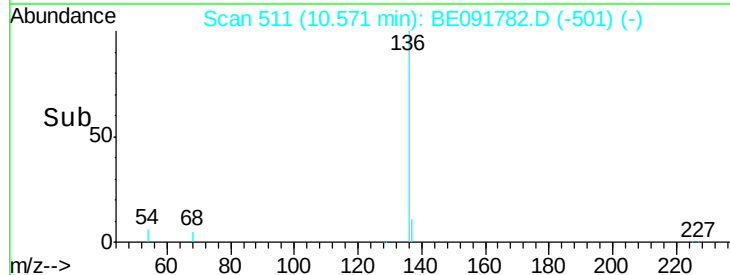
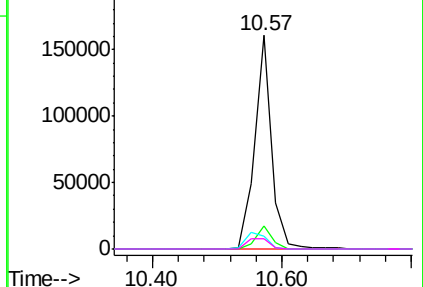


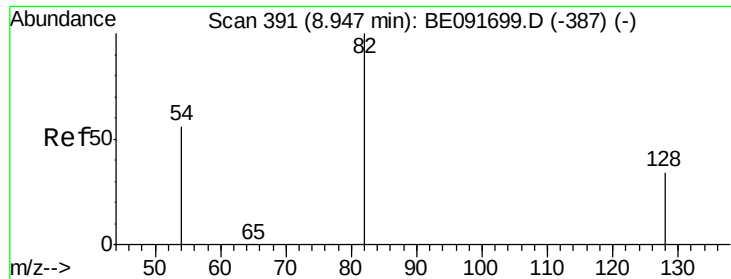
Abundance Ion 136.00 (135.70 to 136.70): BE091699.D (-507) (-)

Ion 137.00 (136.70 to 137.70): BE091699.D (-507) (-)

Ion 54.00 (53.70 to 54.70): BE091699.D (-507) (-)

Ion 68.00 (67.70 to 68.70): BE091699.D (-507) (-)





#8

Nitrobenzene-d5

Concen: 1.63 ng

RT: 8.95 min Scan# 391

Delta R.T. -0.00 min

Lab File: BE091782.D

Acq: 16 May 2016 20:21

Instrument :

BNA_E

ClientSampleId :

WELDON-WC-SC-020

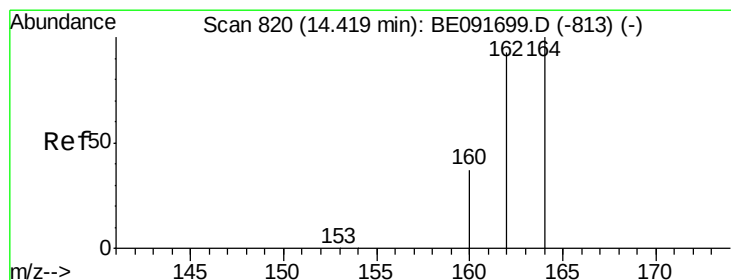
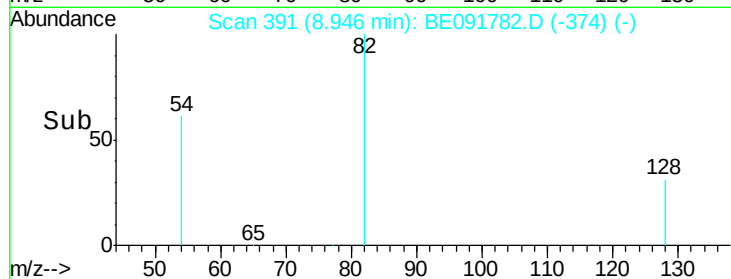
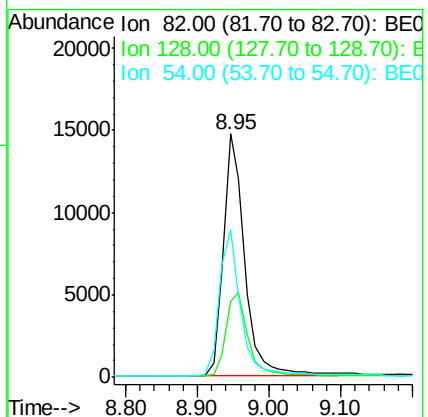
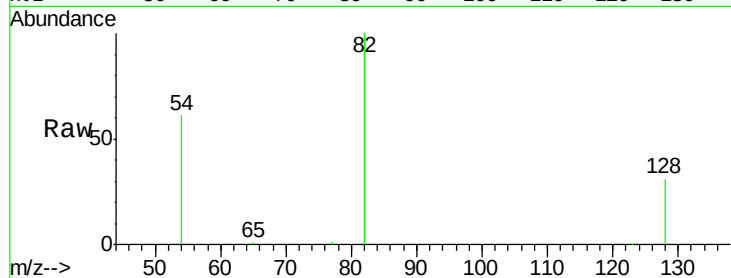
Tgt Ion: 82 Resp: 30574

Ion Ratio Lower Upper

82 100

128 31.1 25.4 38.0

54 60.8 48.4 72.6



#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.41 min Scan# 819

Delta R.T. -0.01 min

Lab File: BE091782.D

Acq: 16 May 2016 20:21

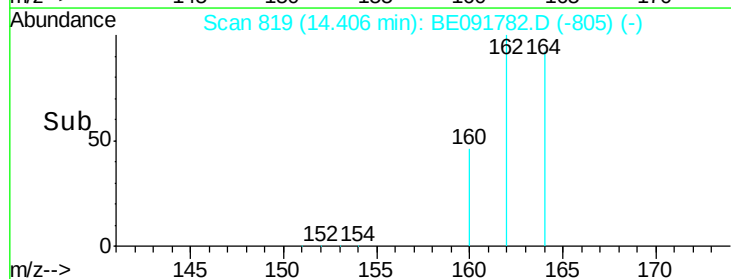
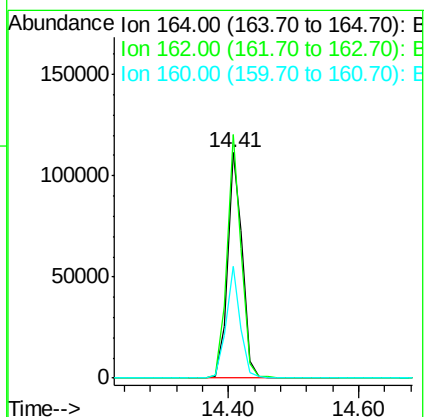
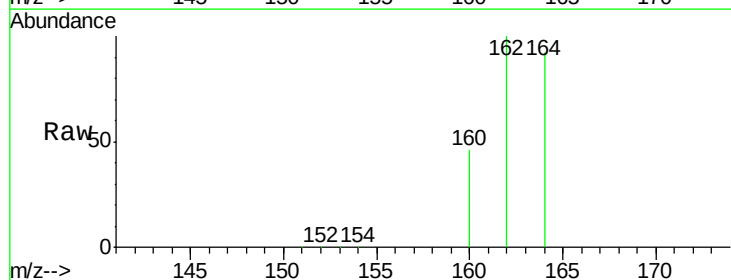
Tgt Ion: 164 Resp: 178948

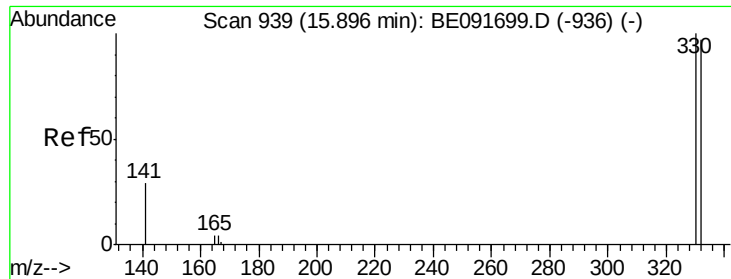
Ion Ratio Lower Upper

164 100

162 108.2 85.3 127.9

160 49.9 46.2 69.2

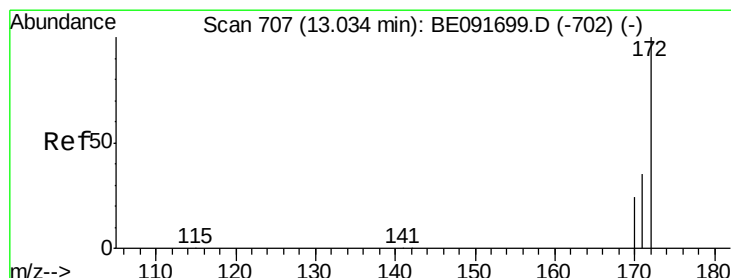
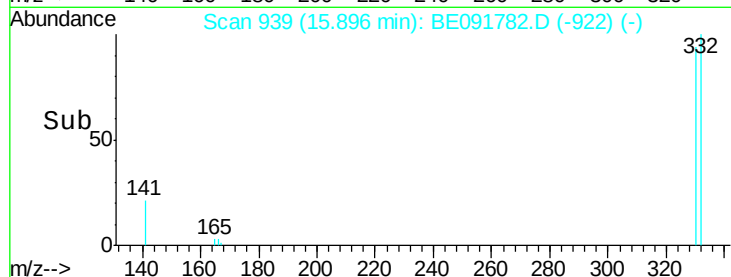
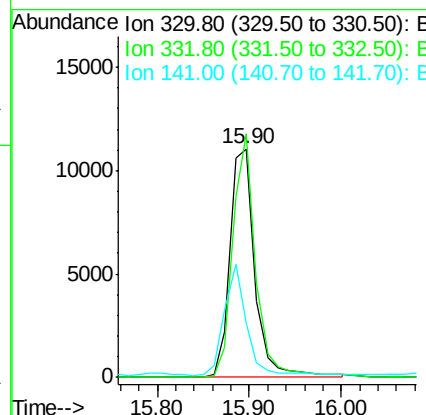
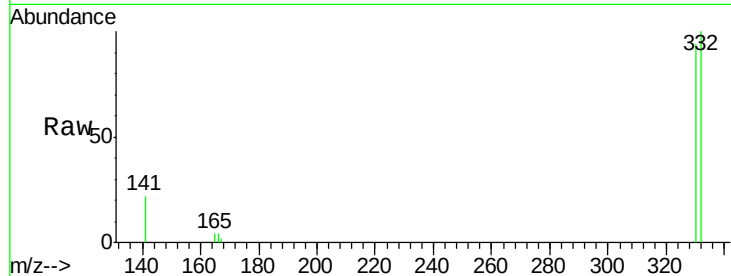




#14
 2,4,6-Tribromophenol
 Concen: 3.19 ng
 RT: 15.90 min Scan# 939
 Delta R.T. 0.00 min
 Lab File: BE091782.D
 Acq: 16 May 2016 20:21

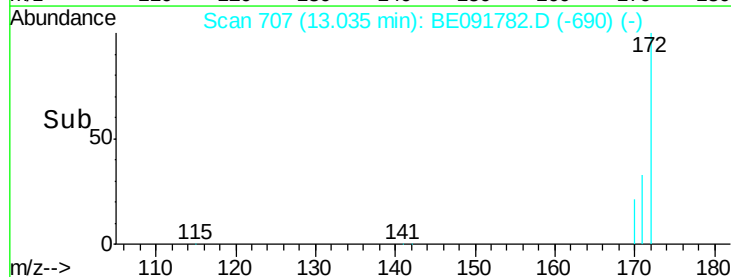
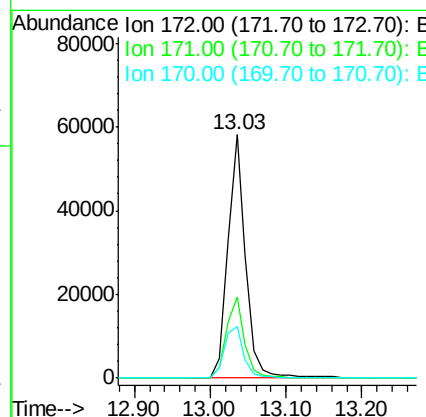
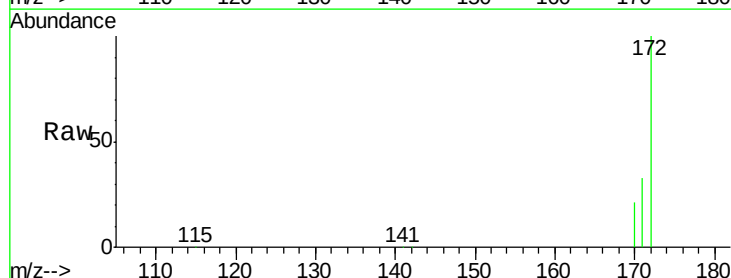
Instrument :
 BNA_E
 ClientSampleId :
 WELDON-WC-SC-020

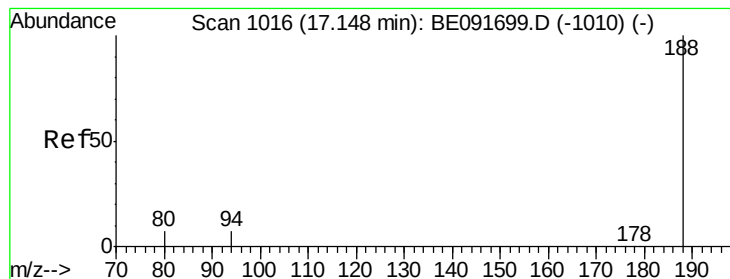
Tgt Ion:330 Resp: 20597
 Ion Ratio Lower Upper
 330 100
 332 97.1 79.1 118.7
 141 43.0 125.4 188.0#



#15
 2-Fluorobiphenyl
 Concen: 1.90 ng
 RT: 13.03 min Scan# 707
 Delta R.T. 0.00 min
 Lab File: BE091782.D
 Acq: 16 May 2016 20:21

Tgt Ion:172 Resp: 96015
 Ion Ratio Lower Upper
 172 100
 171 33.2 28.8 43.2
 170 21.1 19.3 28.9





#19

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.15 min Scan# 1015

Delta R.T. -0.00 min

Lab File: BE091782.D

Acq: 16 May 2016 20:21

Instrument :

BNA_E

ClientSampleId :

WELDON-WC-SC-020

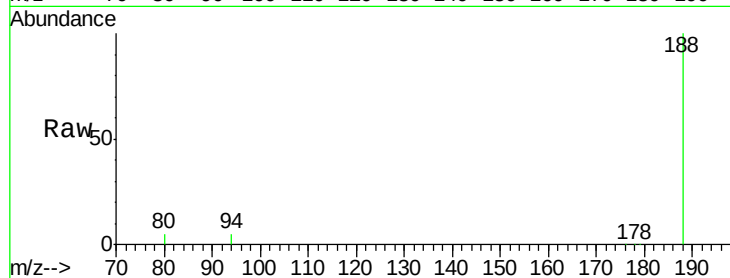
Tgt Ion:188 Resp: 425369

Ion Ratio Lower Upper

188 100

94 5.5 8.7 13.1#

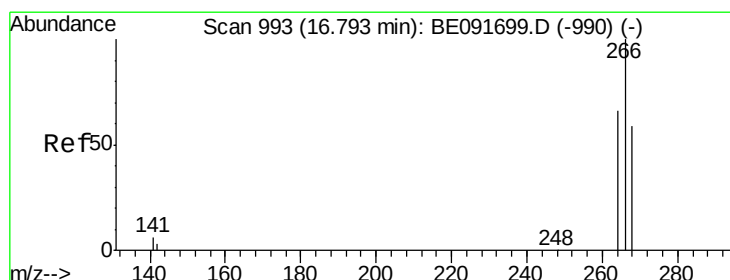
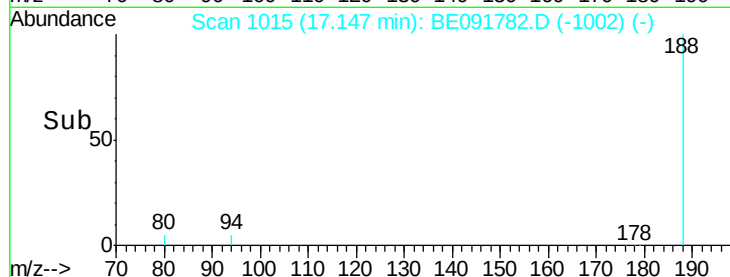
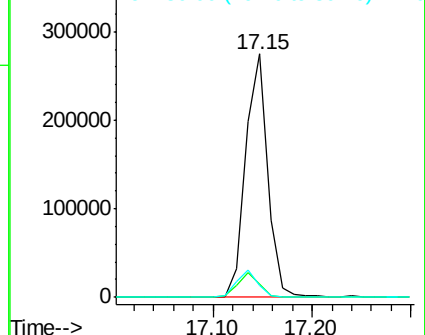
80 4.7 9.4 14.0#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



#22

Pentachlorophenol

Concen: 0.32 ng

RT: 16.79 min Scan# 993

Delta R.T. 0.00 min

Lab File: BE091782.D

Acq: 16 May 2016 20:21

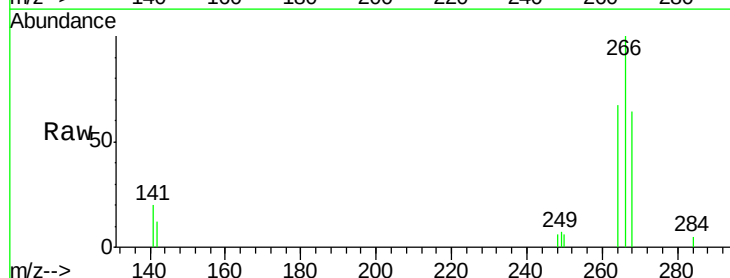
Tgt Ion:266 Resp: 1882

Ion Ratio Lower Upper

266 100

268 63.7 58.2 87.2

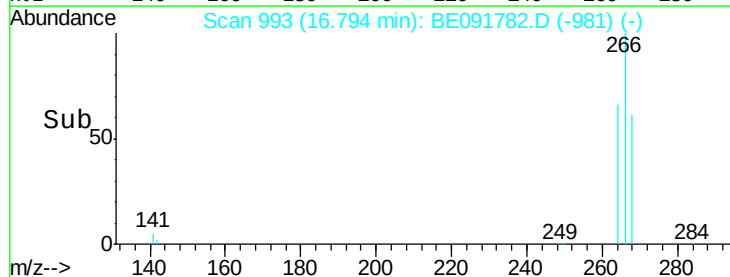
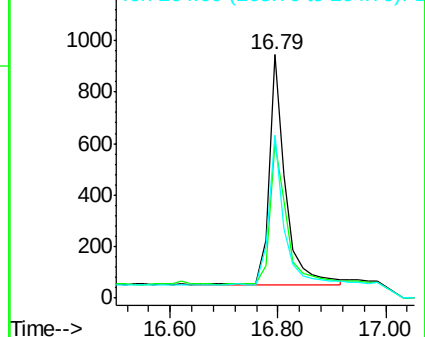
264 67.0 56.2 84.4

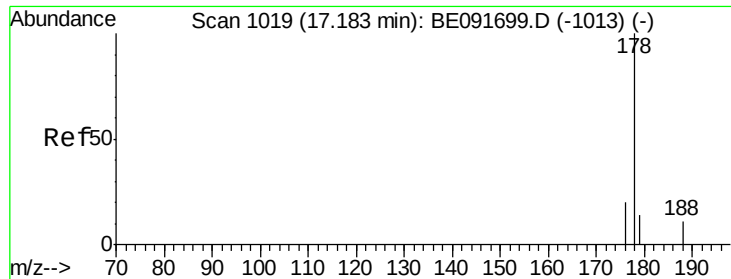


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

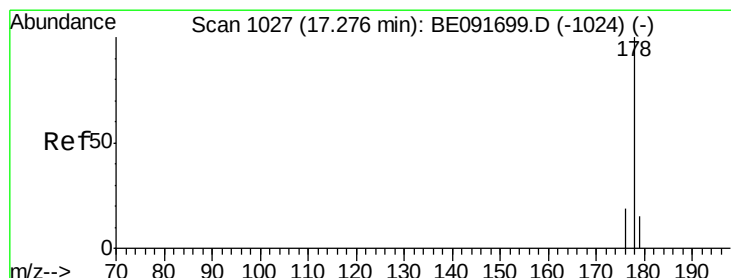
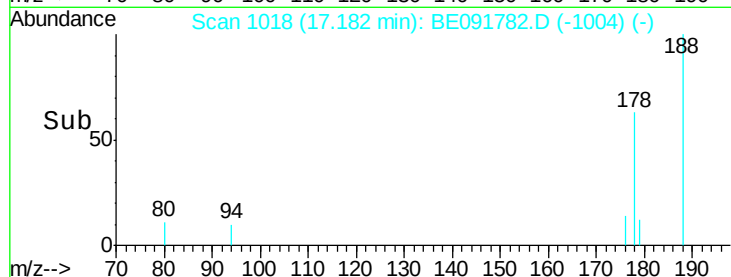
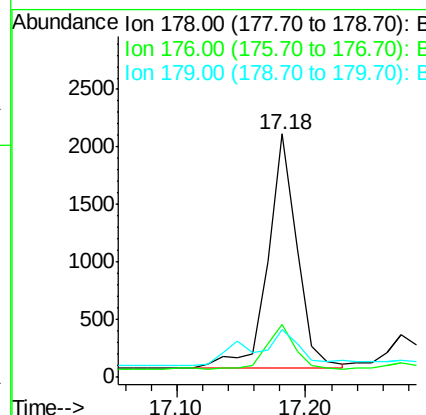
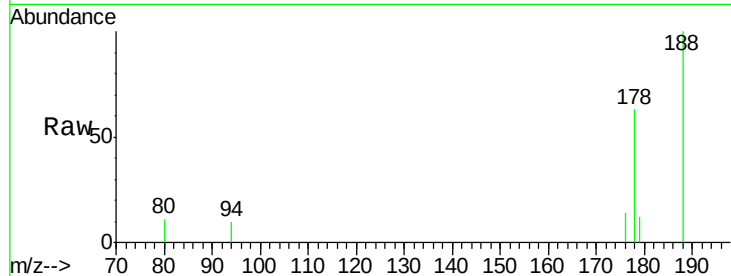




#23
Phenanthrene
Concen: 0.03 ng
RT: 17.18 min Scan# 1018
Delta R.T. -0.00 min
Lab File: BE091782.D
Acq: 16 May 2016 20:21

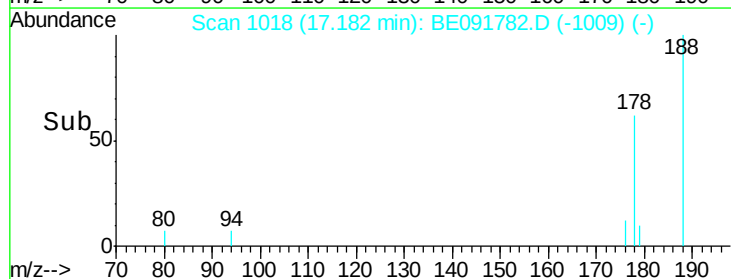
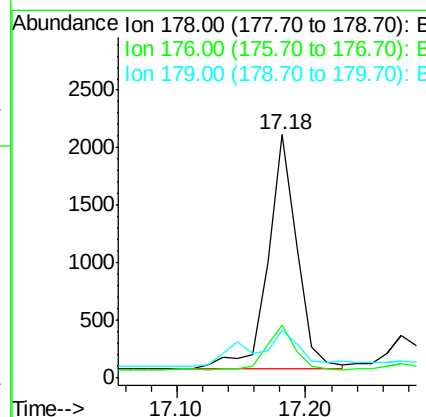
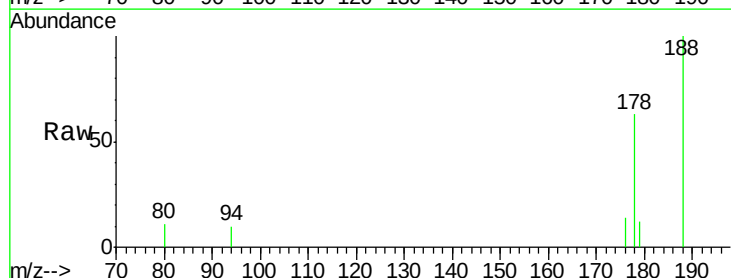
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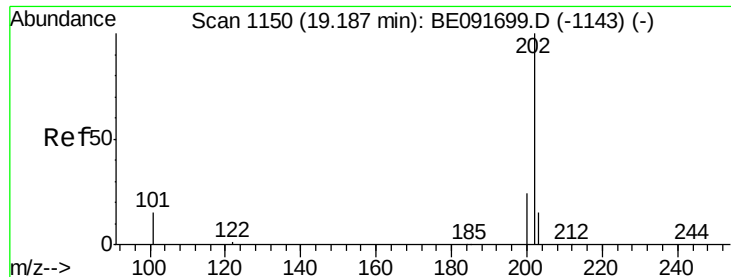
Tgt Ion:178 Resp: 3194
Ion Ratio Lower Upper
178 100
176 17.5 15.3 22.9
179 13.3 12.6 18.8



#24
Anthracene
Concen: 0.04 ng
RT: 17.18 min Scan# 1018
Delta R.T. -0.09 min
Lab File: BE091782.D
Acq: 16 May 2016 20:21

Tgt Ion:178 Resp: 3194
Ion Ratio Lower Upper
178 100
176 18.4 14.6 21.8
179 13.3 11.8 17.6





#25

Fluoranthene

Concen: 0.03 ng

RT: 19.19 min Scan# 1149

Delta R.T. -0.00 min

Lab File: BE091782.D

Acq: 16 May 2016 20:21

Instrument :

BNA_E

ClientSampleId :

WELDON-WC-SC-020

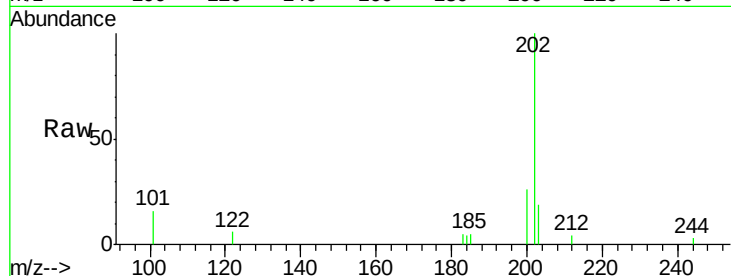
Tgt Ion:202 Resp: 3028

Ion Ratio Lower Upper

202 100

101 11.3 11.0 16.6

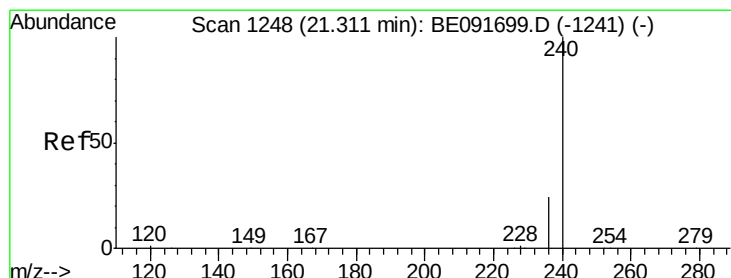
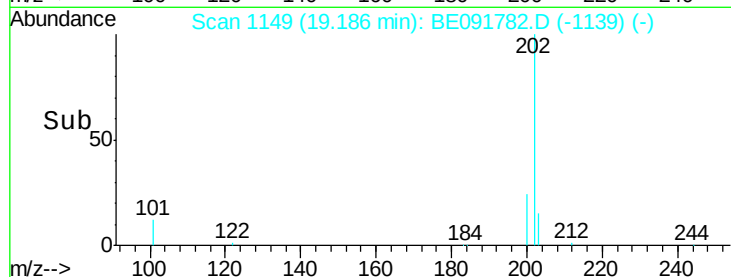
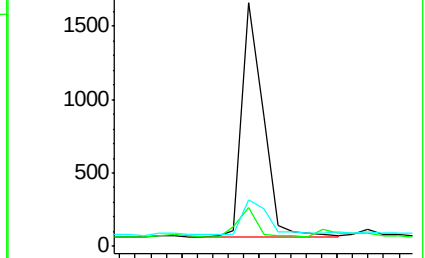
203 17.6 13.9 20.9



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



#26

Chrysene-d12

Concen: 5.00 ng

RT: 21.31 min Scan# 1247

Delta R.T. 0.00 min

Lab File: BE091782.D

Acq: 16 May 2016 20:21

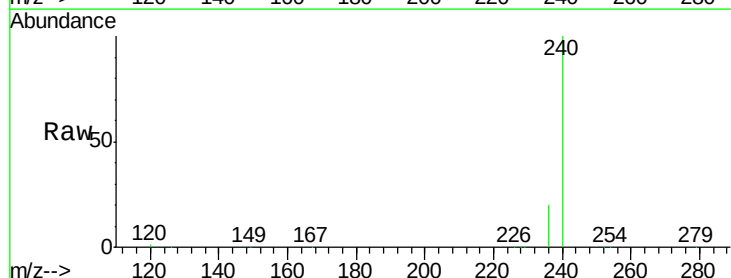
Tgt Ion:240 Resp: 434675

Ion Ratio Lower Upper

240 100

120 0.9 11.0 16.4#

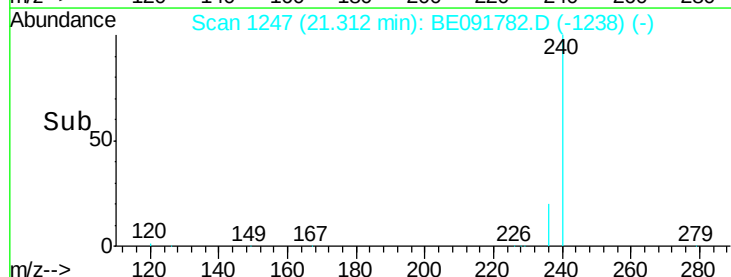
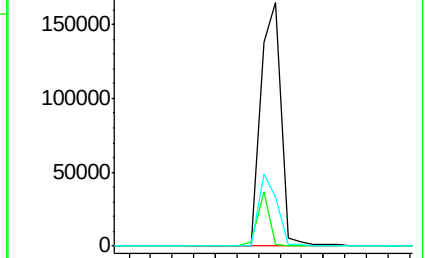
236 20.3 21.7 32.5#

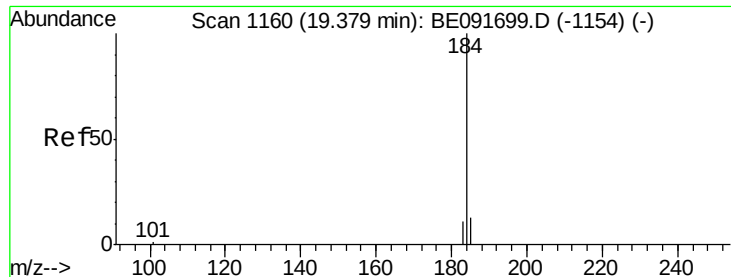


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#27

Benzidine

Concen: 0.17 ng

RT: 19.42 min Scan# 1161

Delta R.T. 0.04 min

Lab File: BE091782.D

Acq: 16 May 2016 20:21

Instrument :

BNA_E

ClientSampleId :

WELDON-WC-SC-020

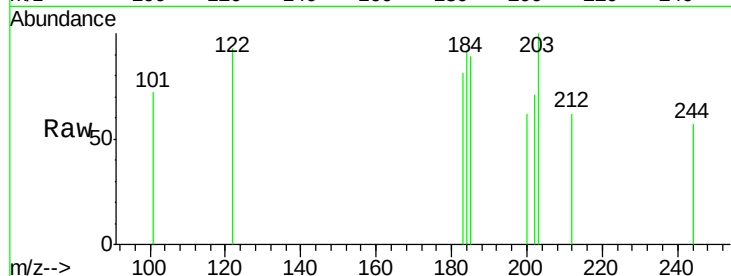
Tgt Ion:184 Resp: 105

Ion Ratio Lower Upper

184 100

185 96.6 22.3 33.5#

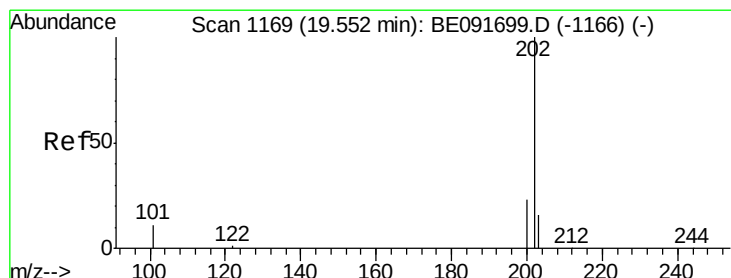
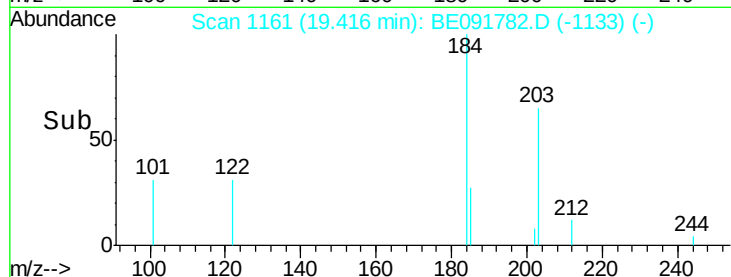
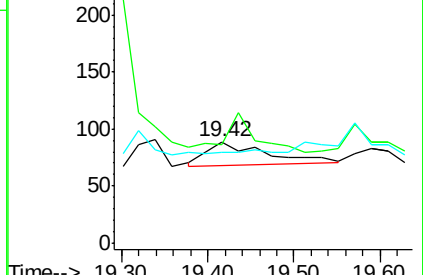
183 88.8 16.4 24.6#



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# 1168

Delta R.T. -0.00 min

Lab File: BE091782.D

Acq: 16 May 2016 20:21

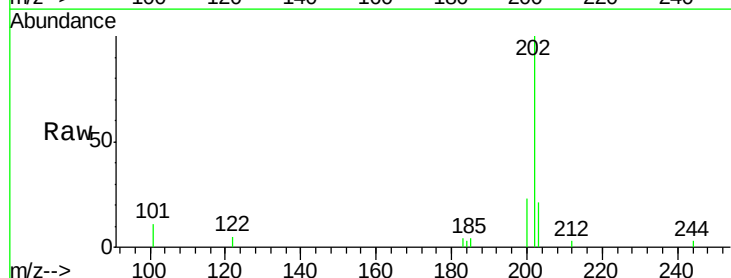
Tgt Ion:202 Resp: 3230

Ion Ratio Lower Upper

202 100

200 21.4 16.8 25.2

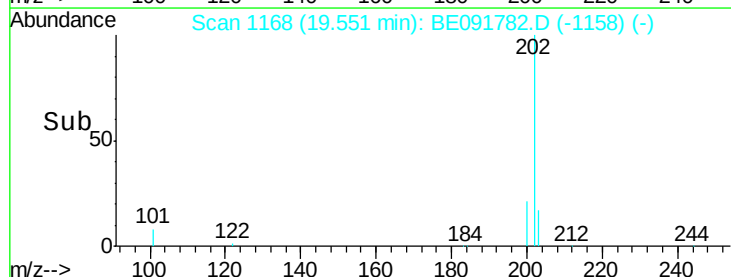
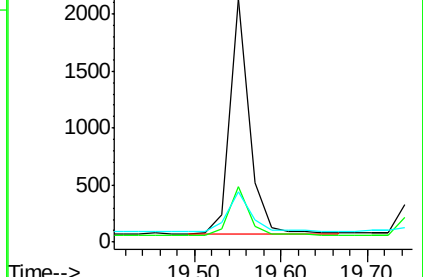
203 20.4 14.0 21.0

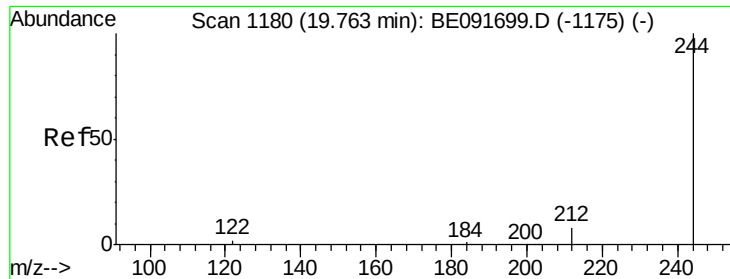


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 2.15 ng

RT: 19.76 min Scan# 1179

Delta R.T. -0.00 min

Lab File: BE091782.D

Acq: 16 May 2016 20:21

Instrument :

BNA_E

ClientSampleId :

WELDON-WC-SC-020

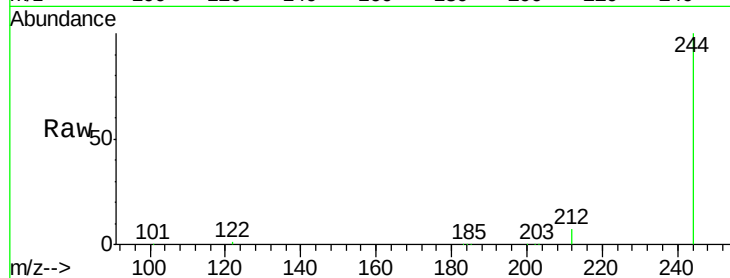
Tgt Ion:244 Resp: 145502

Ion Ratio Lower Upper

244 100

212 6.7 6.9 10.3#

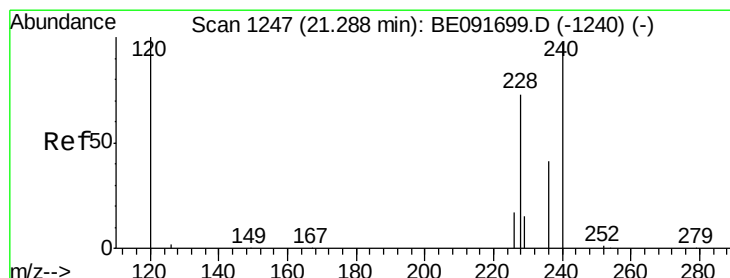
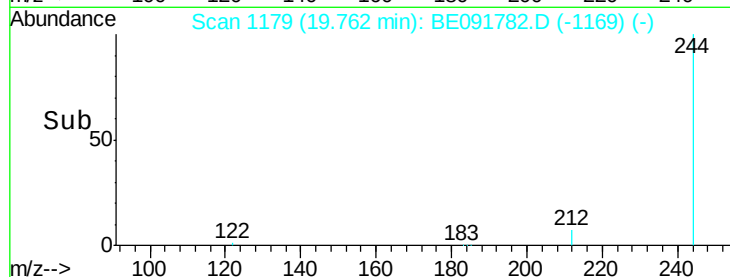
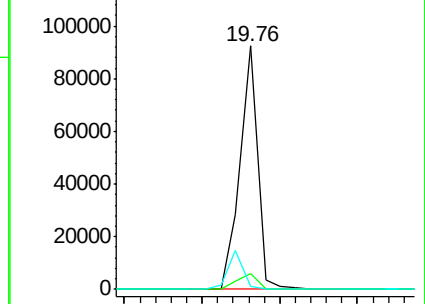
122 1.0 11.0 16.4#



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# 1246

Delta R.T. 0.00 min

Lab File: BE091782.D

Acq: 16 May 2016 20:21

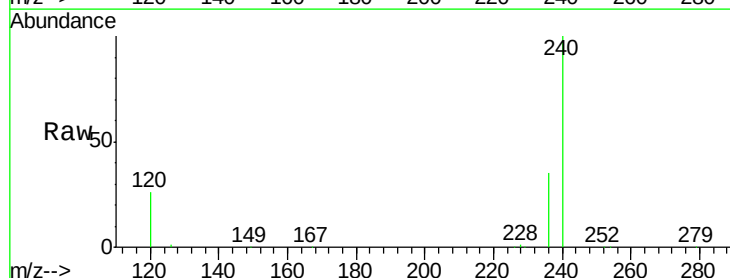
Tgt Ion:228 Resp: 4142

Ion Ratio Lower Upper

228 100

226 22.2 21.0 31.4

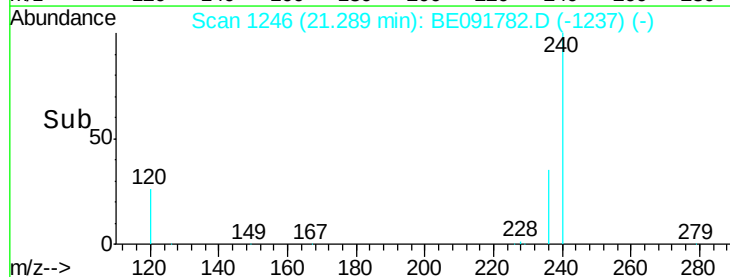
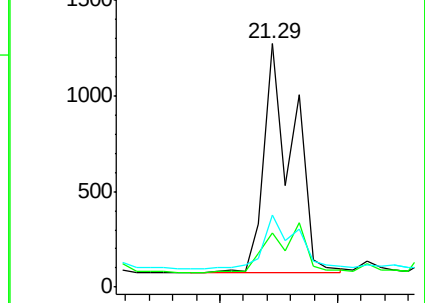
229 29.5 15.7 23.5#

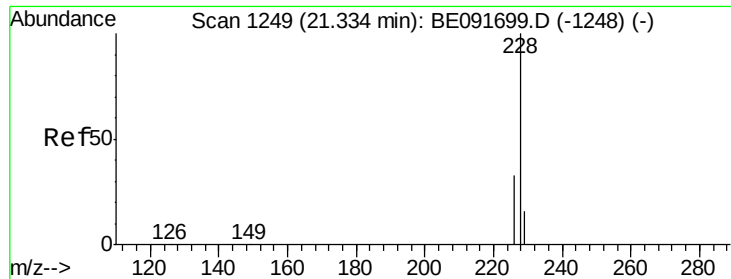


Abundance Ion 228.00 (227.70 to 228.70): E

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# 1246

Delta R.T. -0.05 min

Lab File: BE091782.D

Acq: 16 May 2016 20:21

Instrument :

BNA_E

ClientSampleId :

WELDON-WC-SC-020

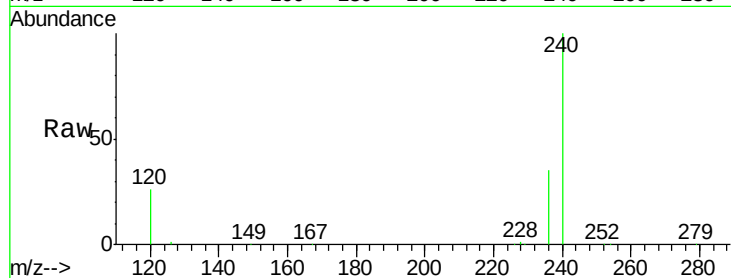
Tgt Ion:228 Resp: 4127

Ion Ratio Lower Upper

228 100

226 22.2 24.0 36.0#

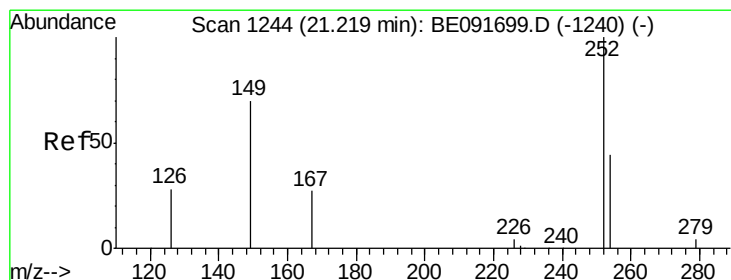
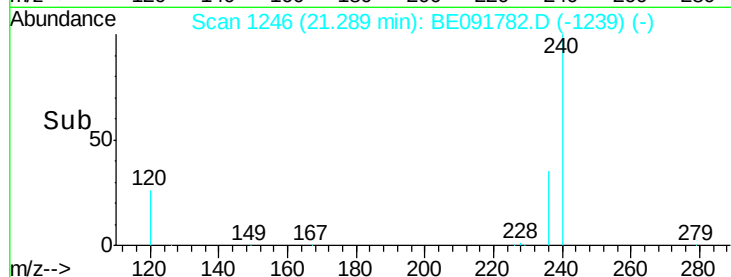
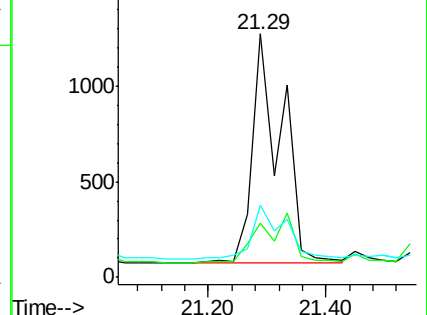
229 29.5 15.9 23.9#



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: 0.15 ng

RT: 21.20 min Scan# 1242

Delta R.T. -0.02 min

Lab File: BE091782.D

Acq: 16 May 2016 20:21

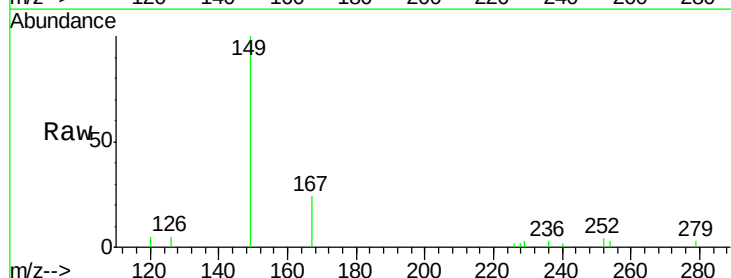
Tgt Ion:149 Resp: 4928

Ion Ratio Lower Upper

149 100

167 23.8 19.5 29.3

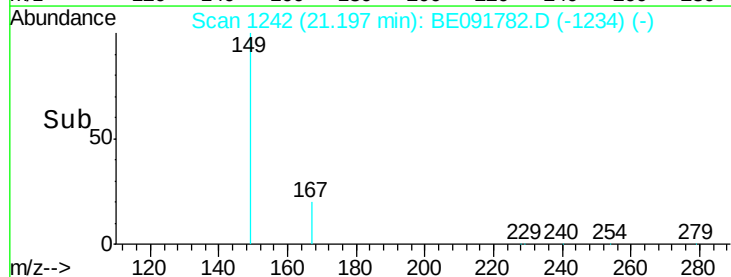
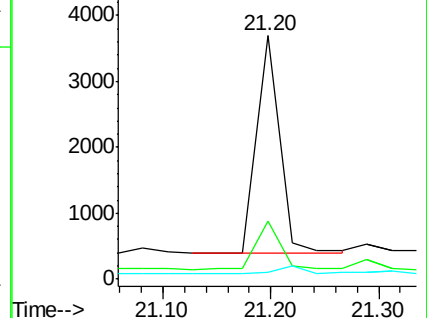
279 0.0 10.0 15.0#

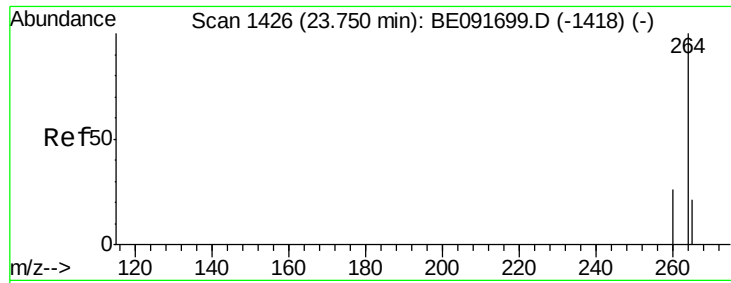


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

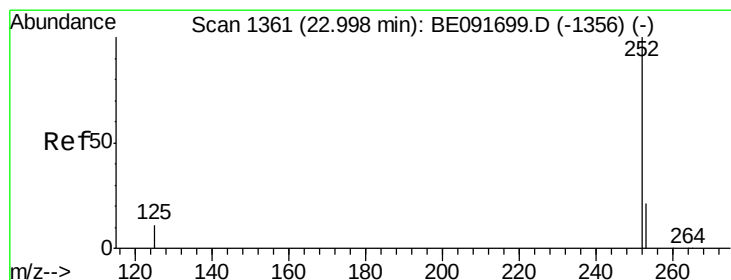
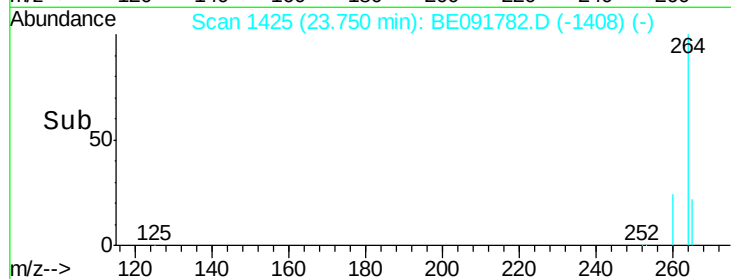
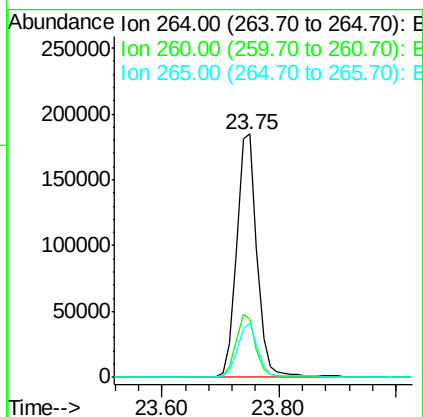
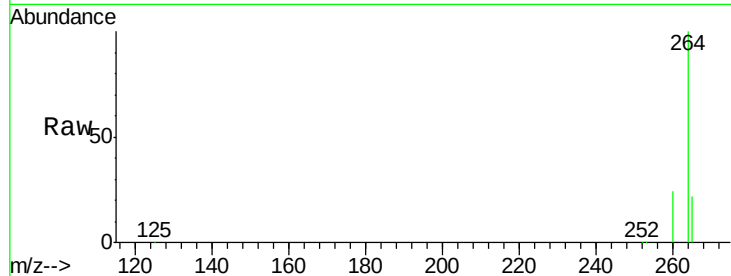




#35
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.75 min Scan# 1425
 Delta R.T. 0.00 min
 Lab File: BE091782.D
 Acq: 16 May 2016 20:21

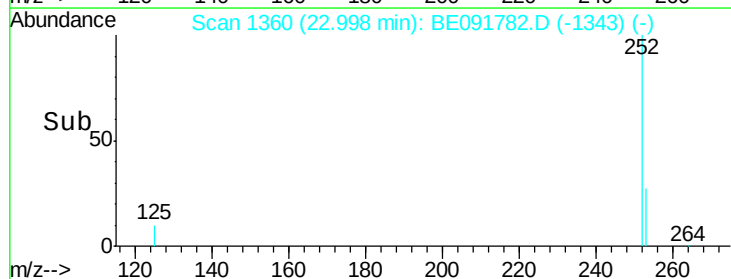
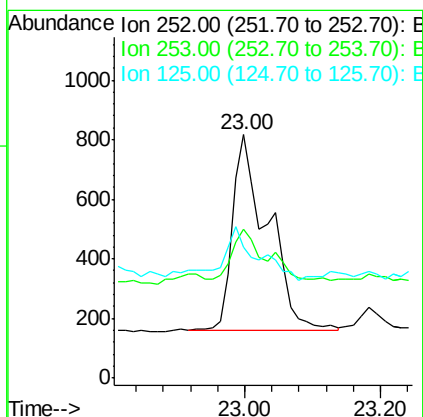
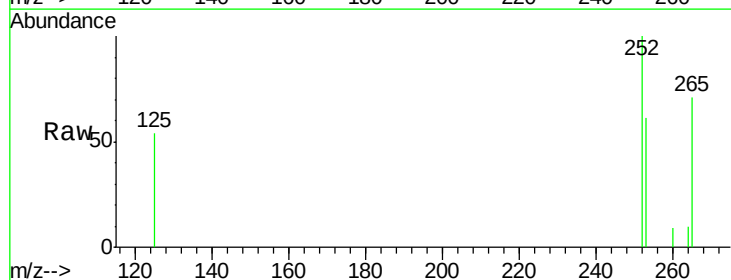
Instrument :
 BNA_E
 ClientSampleId :
 WELDON-WC-SC-020

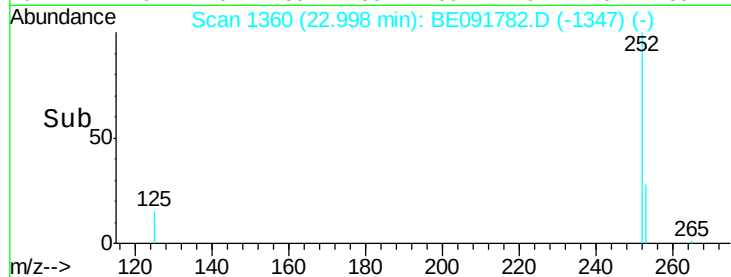
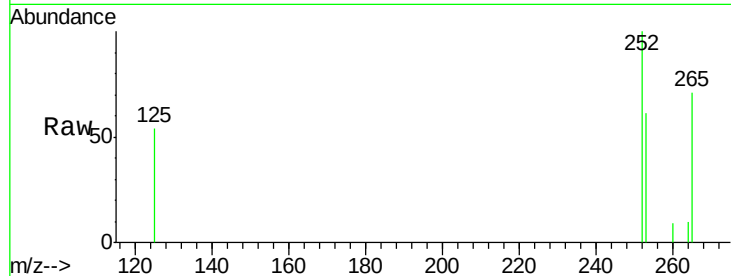
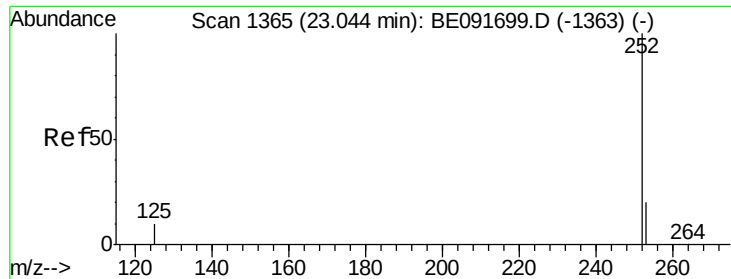
Tgt Ion: 264 Resp: 442344
 Ion Ratio Lower Upper
 264 100
 260 23.9 20.0 30.0
 265 22.4 17.5 26.3



#36
 Benzo(b)fluoranthene
 Concen: 0.02 ng
 RT: 23.00 min Scan# 1360
 Delta R.T. 0.00 min
 Lab File: BE091782.D
 Acq: 16 May 2016 20:21

Tgt Ion: 252 Resp: 2387
 Ion Ratio Lower Upper
 252 100
 253 61.2 17.4 26.0#
 125 53.7 10.2 15.2#





#37

Benzo(k)fluoranthene

Concen: 0.02 ng

RT: 23.00 min Scan# 1360

Delta R.T. -0.05 min

Lab File: BE091782.D

Acq: 16 May 2016 20:21

Instrument :

BNA_E

ClientSampleId :

WELDON-WC-SC-020

Tgt Ion: 252 Resp: 2387

Ion Ratio Lower Upper

252 100

253 61.2 17.6 26.4#

125 53.7 9.9 14.9#

