

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE071615\
 Data File : BE090142.D
 Acq On : 17 Jul 2015 5:55
 Operator : TP/IZ
 Sample : G2948-11
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 YT-MW11

Quant Time: Jul 17 07:19:54 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE071615.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 17 04:05:30 2015
 Response via : Initial Calibration

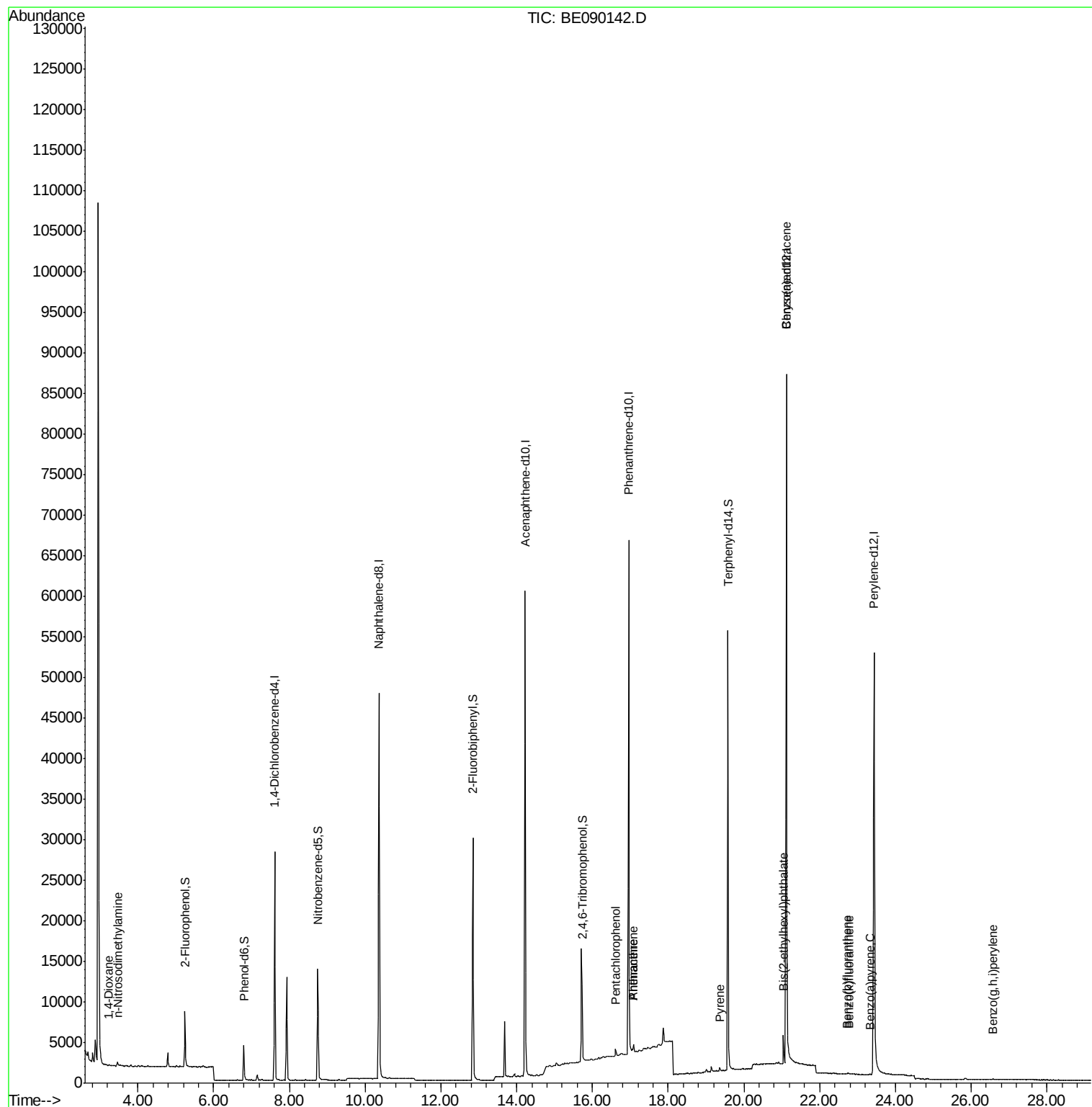
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	13740	5.00	ng	0.00
6) Naphthalene-d8	10.37	136	63579	5.00	ng	0.00
12) Acenaphthene-d10	14.22	164	35502	5.00	ng	0.00
18) Phenanthrene-d10	16.96	188	79171	5.00	ng	0.00
25) Chrysene-d12	21.12	240	86742	5.00	ng	0.00
32) Perylene-d12	23.44	264	78518	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.24	112	5158	1.75	ng	0.00
5) Phenol-d6	6.80	99	4888	1.17	ng	0.00
7) Nitrobenzene-d5	8.75	82	12715	2.70	ng	0.00
13) 2,4,6-Tribromophenol	15.73	330	7070	6.87	ng	0.00
14) 2-Fluorobiphenyl	12.84	172	29251	2.68	ng	0.00
27) Terphenyl-d14	19.58	244	60393	4.15	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.24	88	136	0.07	ng	# 37
3) n-Nitrosodimethylamine	3.46	42	157	0.07	ng	# 1
21) Pentachlorophenol	16.61	266	533	1.08	ng	92
22) Phenanthrene	17.08	178	1415	0.07	ng	97
23) Anthracene	17.08	178	1520	0.09	ng	94
26) Pyrene	19.36	202	507	0.02	ng	94
28) Benzo(a)anthracene	21.11	228	486	0.03	ng	# 19
30) Bis(2-ethylhexyl)phthalate	21.05	149	3234	1.07	ng	# 94
33) Benzo(b)fluoranthene	22.73	252	130	0.02	ng	# 1
34) Benzo(k)fluoranthene	22.78	252	104	0.18	ng	# 1
35) Benzo(a)pyrene	23.32	252	165	0.41	ng	# 1
37) Benzo(g,h,i)perylene	26.57	276	175	0.38	ng	# 12

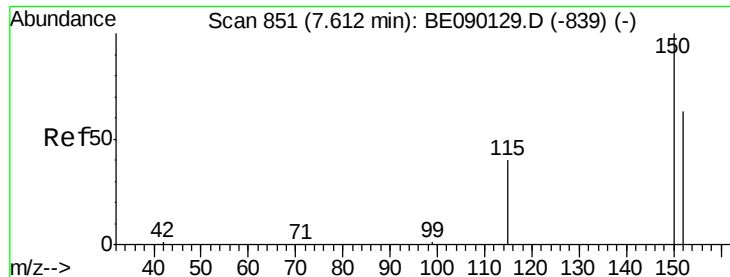
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.61 min Scan# 851

Delta R.T. -0.00 min

Lab File: BE090142.D

Acq: 17 Jul 2015 5:55

Instrument :

BNA_E

ClientSampleId :

YT-MW11

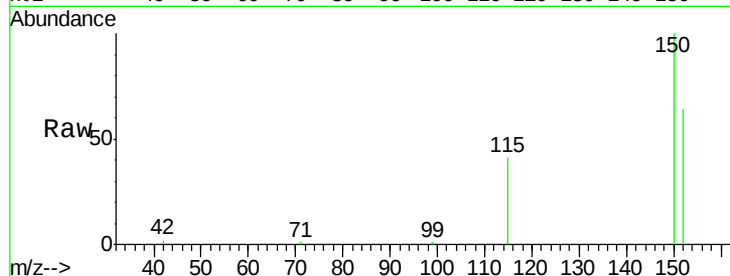
Tgt Ion:152 Resp: 13740

Ion Ratio Lower Upper

152 100

150 157.1 127.3 190.9

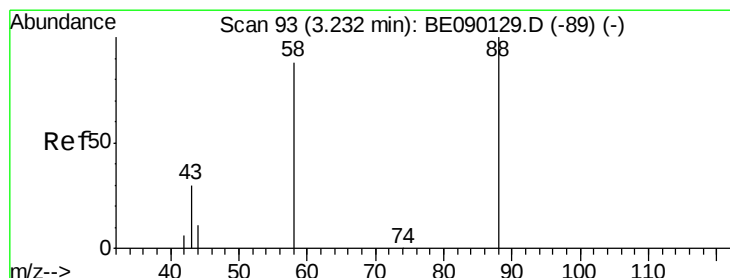
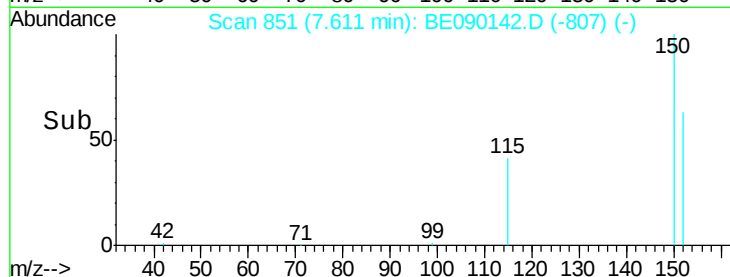
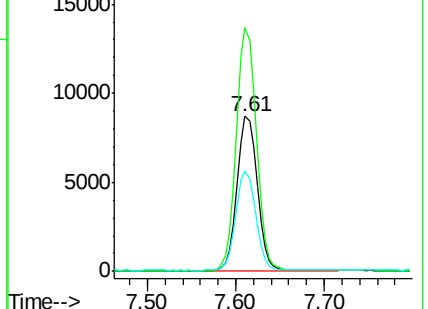
115 64.7 51.0 76.4



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



#2

1,4-Dioxane

Concen: 0.07 ng

RT: 3.24 min Scan# 94

Delta R.T. 0.00 min

Lab File: BE090142.D

Acq: 17 Jul 2015 5:55

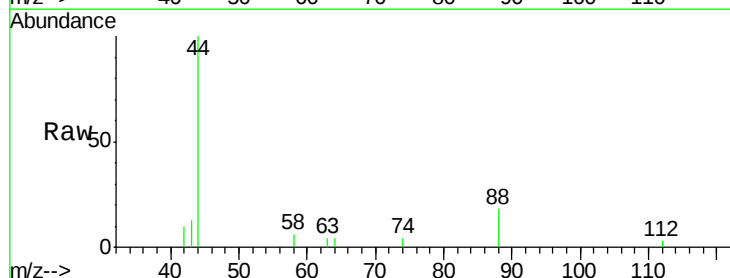
Tgt Ion: 88 Resp: 136

Ion Ratio Lower Upper

88 100

58 44.1 67.0 100.4#

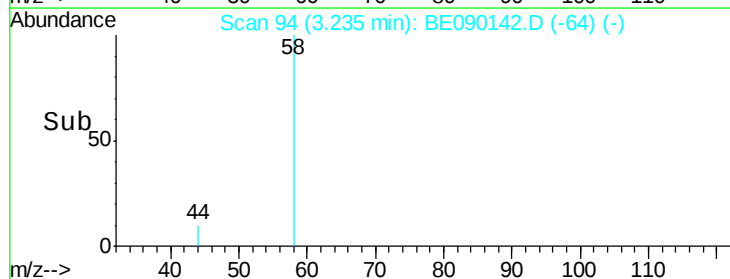
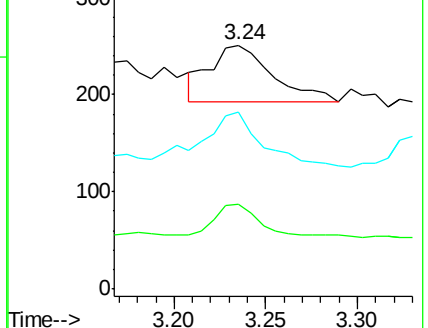
43 95.6 26.0 39.0#

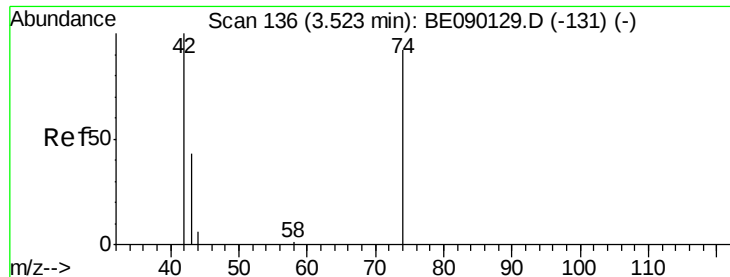


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.07 ng

RT: 3.46 min Scan# 127

Delta R.T. -0.06 min

Lab File: BE090142.D

Acq: 17 Jul 2015 5:55

Instrument :

BNA_E

ClientSampleId :

YT-MW11

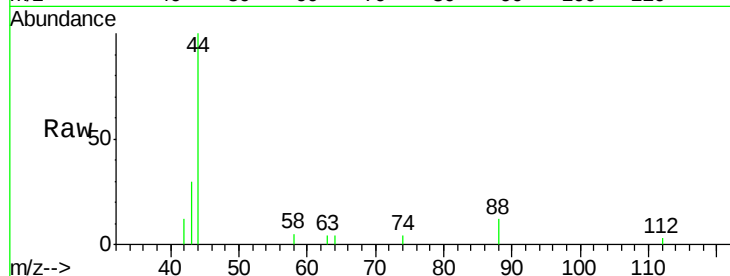
Tgt Ion: 42 Resp: 157

Ion Ratio Lower Upper

42 100

74 1.9 91.0 136.6#

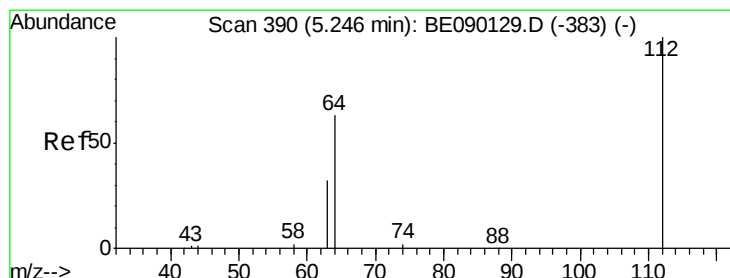
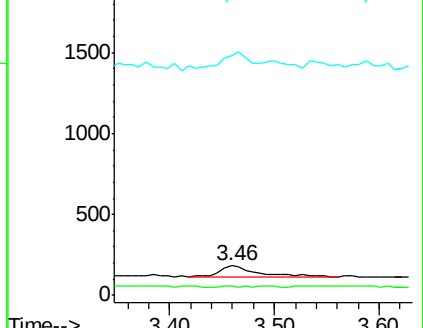
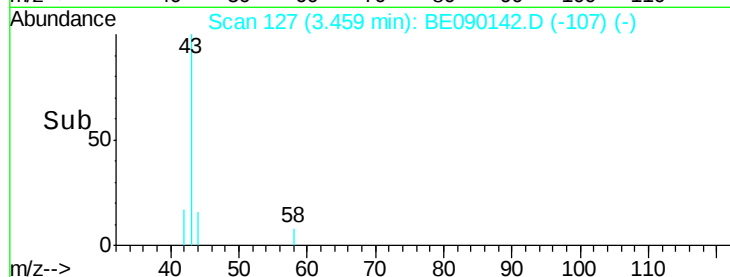
44 108.3 9.2 13.8#



Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0



#4

2-Fluorophenol

Concen: 1.75 ng

RT: 5.24 min Scan# 390

Delta R.T. -0.00 min

Lab File: BE090142.D

Acq: 17 Jul 2015 5:55

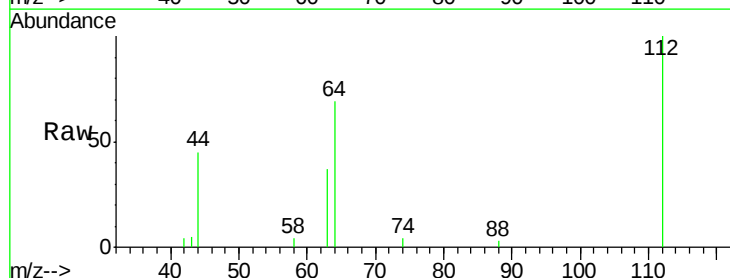
Tgt Ion: 112 Resp: 5158

Ion Ratio Lower Upper

112 100

64 68.8 55.4 83.2

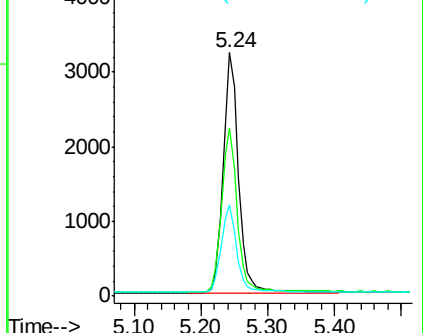
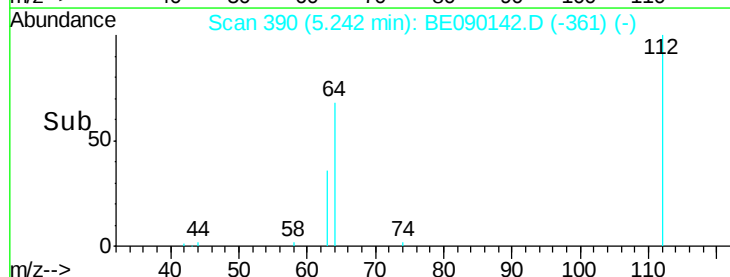
63 35.7 29.3 43.9

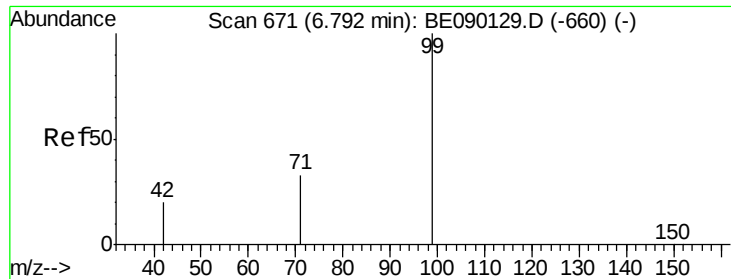


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 1.17 ng

RT: 6.80 min Scan# 672

Delta R.T. 0.00 min

Lab File: BE090142.D

Acq: 17 Jul 2015 5:55

Instrument :

BNA_E

ClientSampleId :

YT-MW11

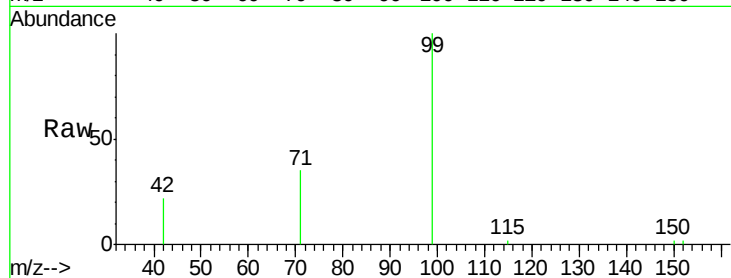
Tgt Ion: 99 Resp: 4888

Ion Ratio Lower Upper

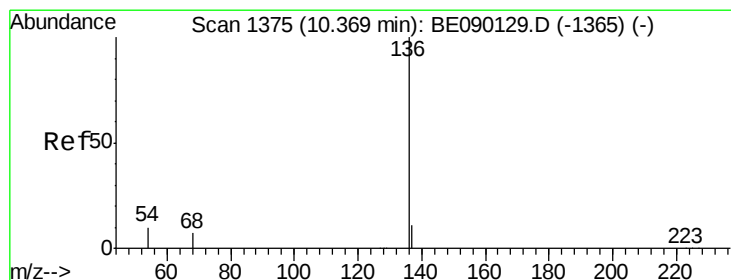
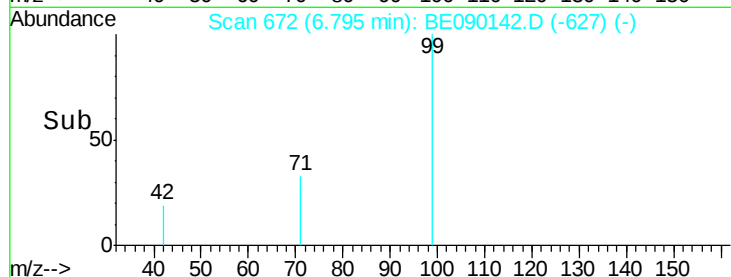
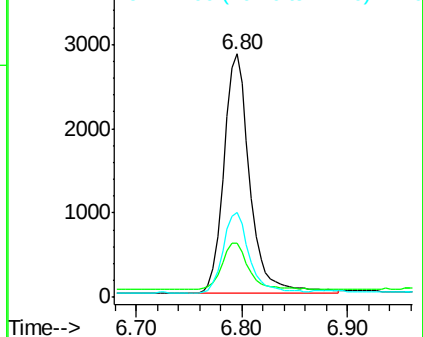
99 100

42 19.6 16.8 25.2

71 33.7 26.6 39.8



Abundance Ion 99.00 (98.70 to 99.70): BE0
Ion 42.00 (41.70 to 42.70): BE0
Ion 71.00 (70.70 to 71.70): BE0



#6

Naphthalene-d8

Concen: 5.00 ng

RT: 10.37 min Scan# 1375

Delta R.T. -0.00 min

Lab File: BE090142.D

Acq: 17 Jul 2015 5:55

Tgt Ion: 136 Resp: 63579

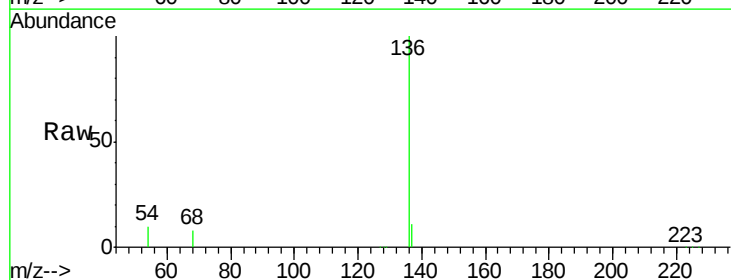
Ion Ratio Lower Upper

136 100

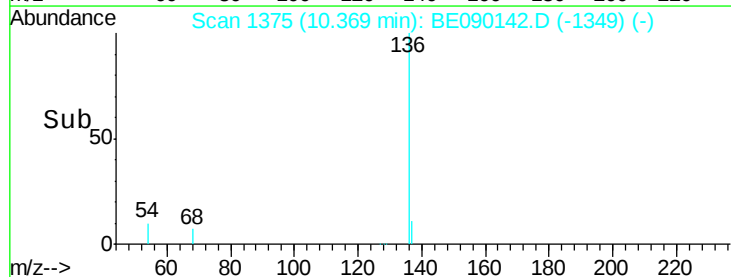
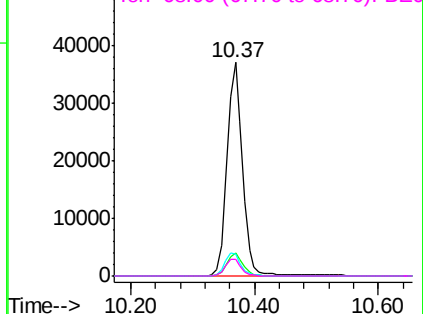
137 11.1 8.9 13.3

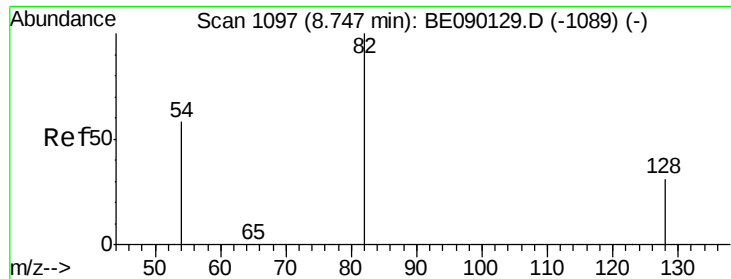
54 10.2 7.8 11.8

68 7.5 5.8 8.8



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): BE0
Ion 68.00 (67.70 to 68.70): BE0





#7

Nitrobenzene-d5

Concen: 2.70 ng

RT: 8.75 min Scan# 1098

Delta R.T. 0.00 min

Lab File: BE090142.D

Acq: 17 Jul 2015 5:55

Instrument :

BNA_E

ClientSampleId :

YT-MW11

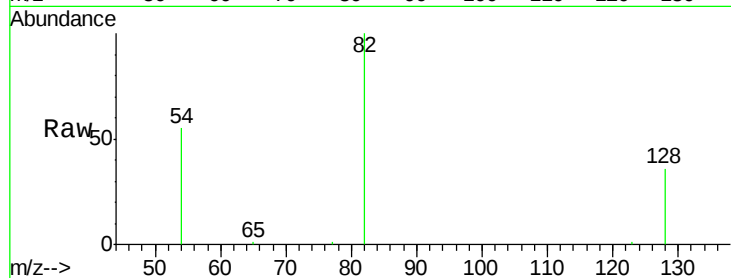
Tgt Ion: 82 Resp: 12715

Ion Ratio Lower Upper

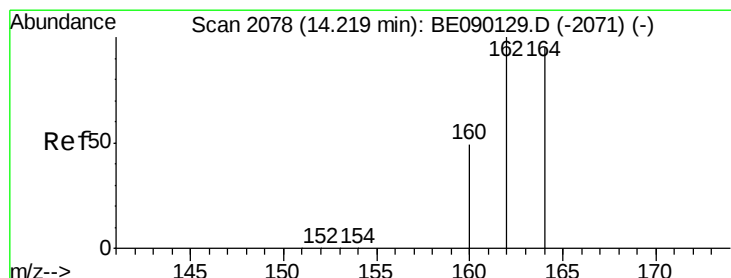
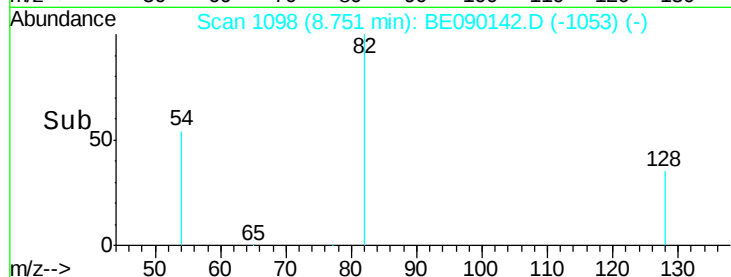
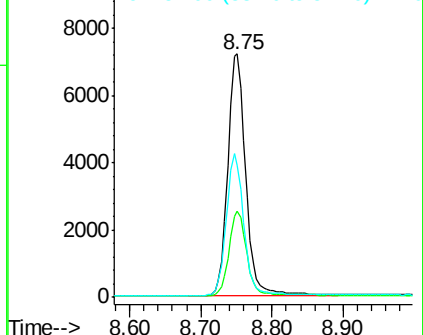
82 100

128 35.6 26.2 39.2

54 54.6 47.1 70.7



Abundance Ion 82.00 (81.70 to 82.70): BE0
Ion 128.00 (127.70 to 128.70): BE0
Ion 54.00 (53.70 to 54.70): BE0



#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.22 min Scan# 2078

Delta R.T. -0.00 min

Lab File: BE090142.D

Acq: 17 Jul 2015 5:55

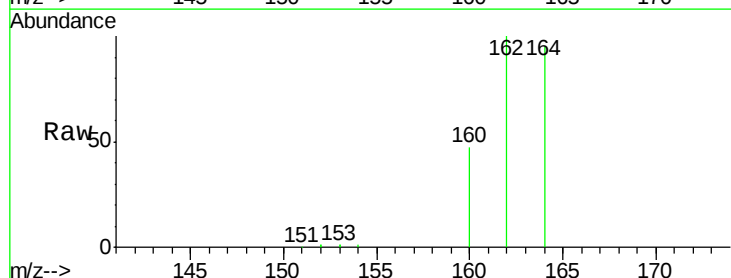
Tgt Ion: 164 Resp: 35502

Ion Ratio Lower Upper

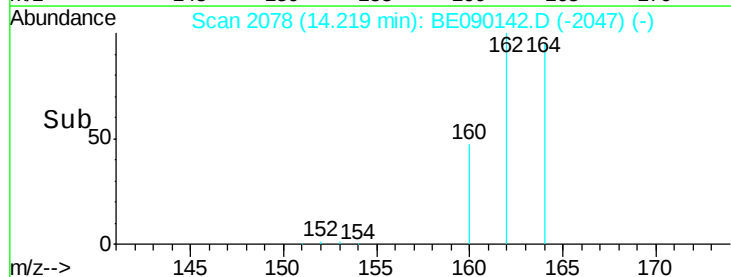
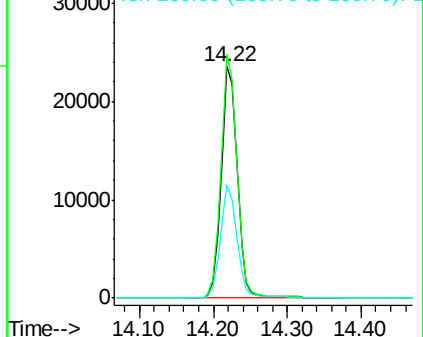
164 100

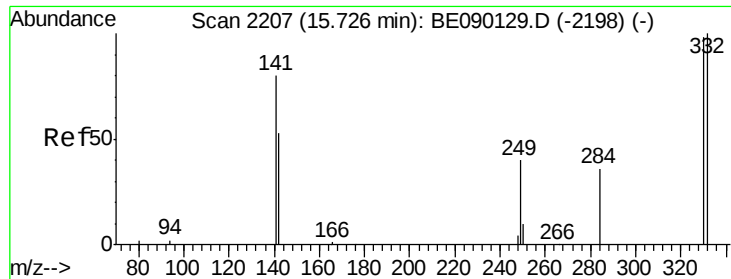
162 105.2 84.0 126.0

160 49.1 41.1 61.7



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

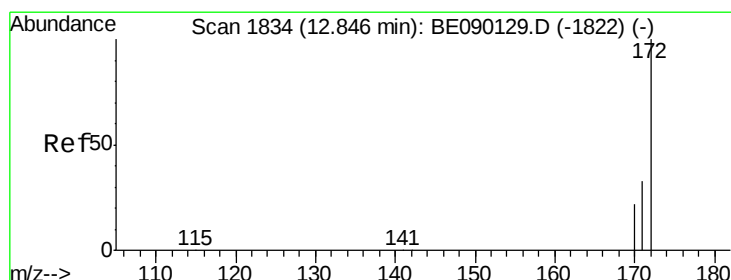
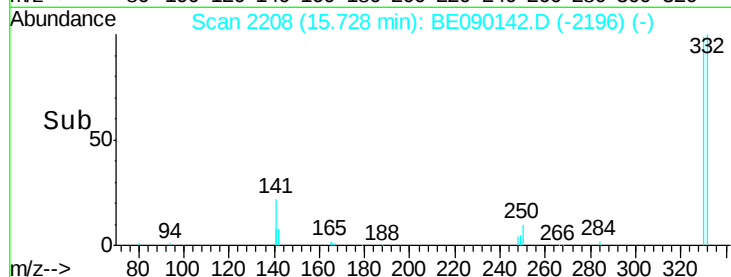
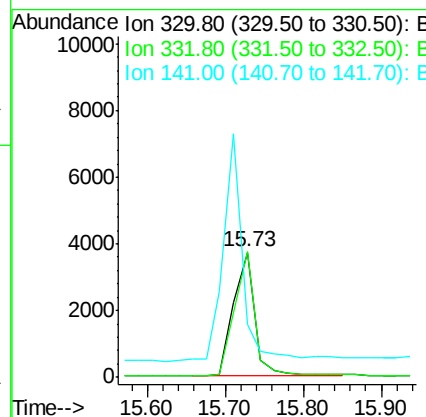
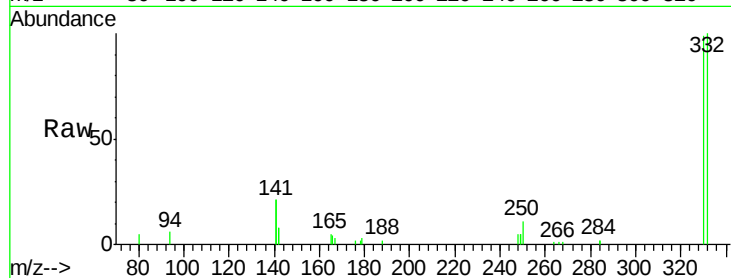




#13
 2,4,6-Tribromophenol
 Concen: 6.87 ng
 RT: 15.73 min Scan# 2208
 Delta R.T. 0.00 min
 Lab File: BE090142.D
 Acq: 17 Jul 2015 5:55

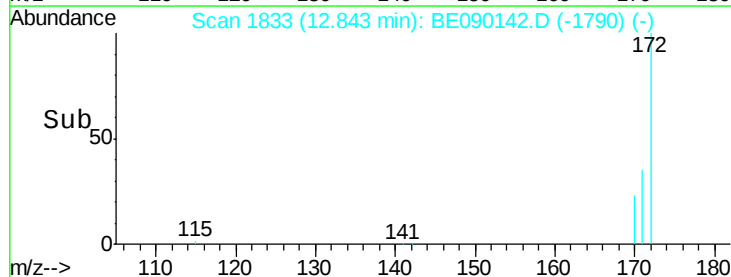
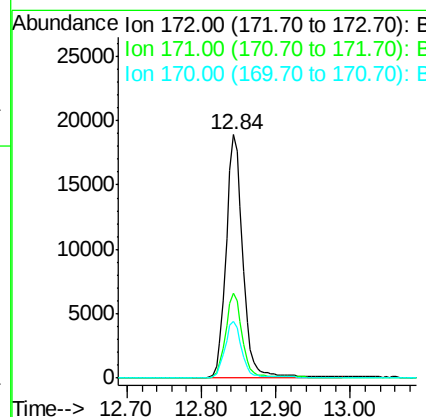
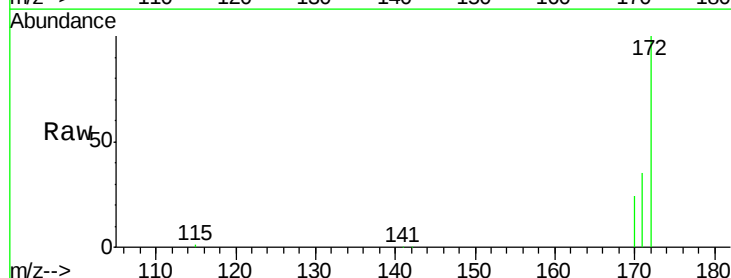
Instrument :
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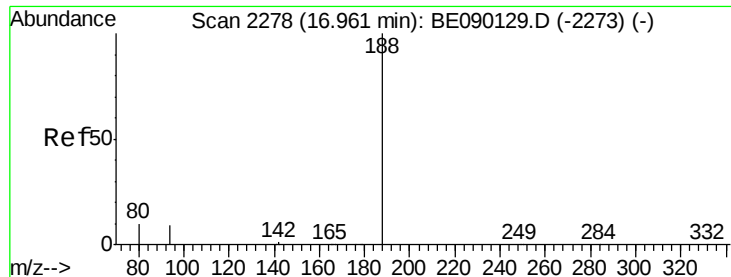
Tgt Ion: 330 Resp: 7070
 Ion Ratio Lower Upper
 330 100
 332 96.2 79.4 119.0
 141 161.7 160.2 240.2



#14
 2-Fluorobiphenyl
 Concen: 2.68 ng
 RT: 12.84 min Scan# 1833
 Delta R.T. -0.00 min
 Lab File: BE090142.D
 Acq: 17 Jul 2015 5:55

Tgt Ion: 172 Resp: 29251
 Ion Ratio Lower Upper
 172 100
 171 34.7 27.1 40.7
 170 23.6 17.9 26.9





#18

Phenanthrene-d10

Concen: 5.00 ng

RT: 16.96 min Scan# 2279

Delta R.T. 0.00 min

Lab File: BE090142.D

Acq: 17 Jul 2015 5:55

Instrument :

BNA_E

ClientSampleId :

YT-MW11

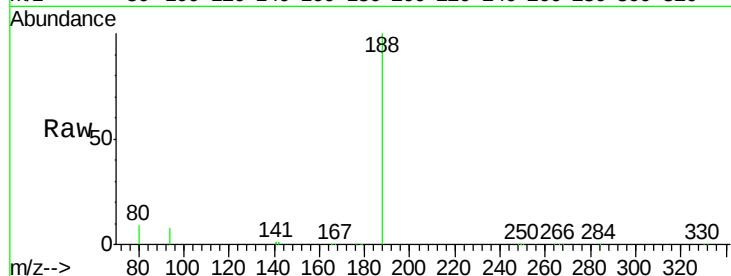
Tgt Ion:188 Resp: 79171

Ion Ratio Lower Upper

188 100

94 8.4 7.3 10.9

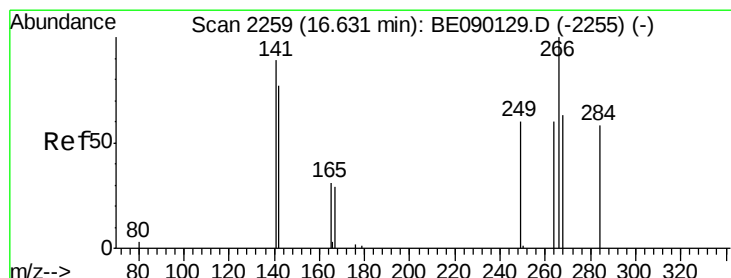
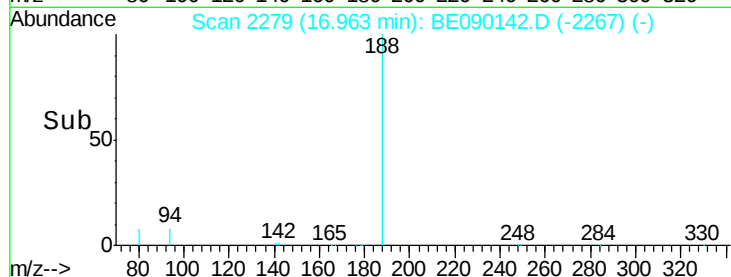
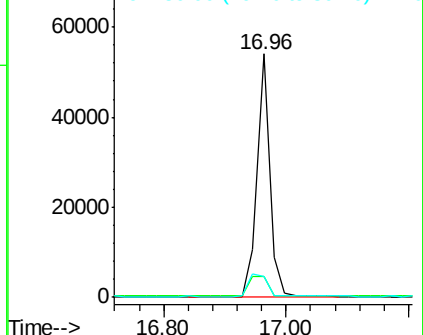
80 8.7 8.0 12.0



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



#21

Pentachlorophenol

Concen: 1.08 ng

RT: 16.61 min Scan# 2259

Delta R.T. -0.02 min

Lab File: BE090142.D

Acq: 17 Jul 2015 5:55

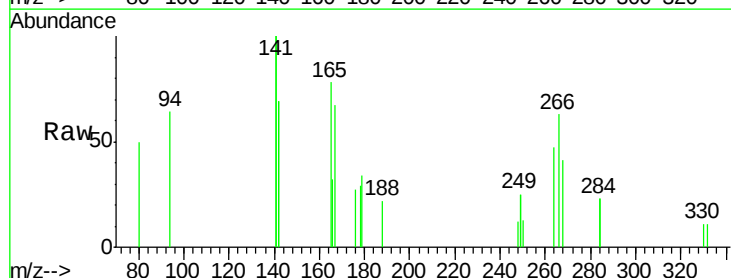
Tgt Ion:266 Resp: 533

Ion Ratio Lower Upper

266 100

268 64.8 58.2 87.2

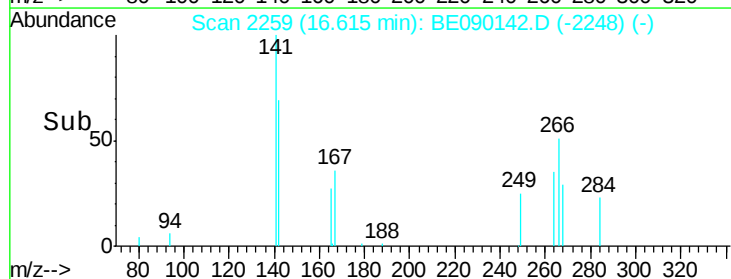
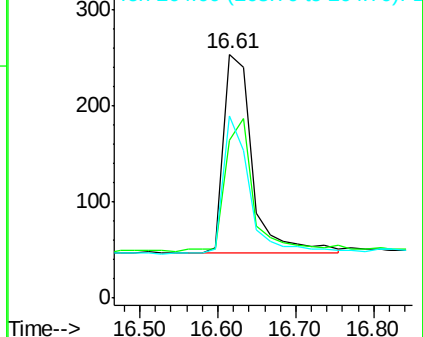
264 74.7 55.8 83.6

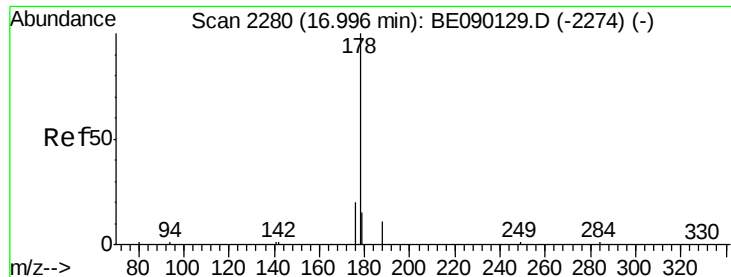


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#22

Phenanthrene

Concen: 0.07 ng

RT: 17.08 min Scan# 2286

Delta R.T. 0.09 min

Lab File: BE090142.D

Acq: 17 Jul 2015 5:55

Instrument :

BNA_E

ClientSampleId :

YT-MW11

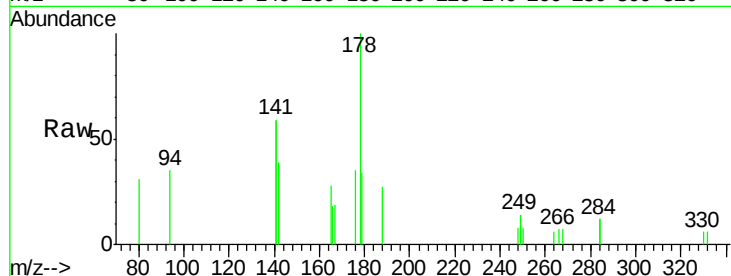
Tgt Ion:178 Resp: 1415

Ion Ratio Lower Upper

178 100

176 19.8 15.1 22.7

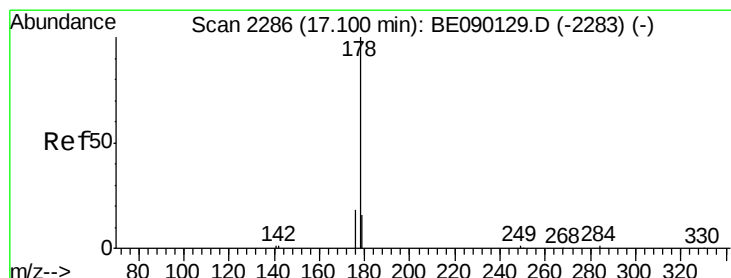
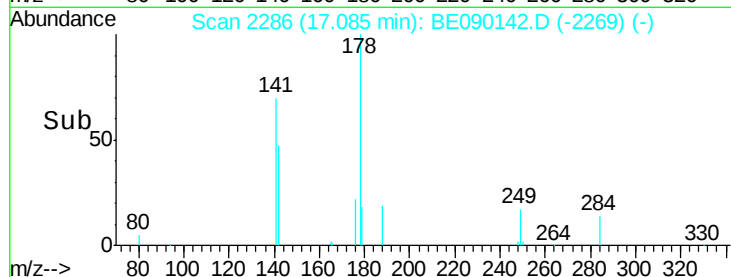
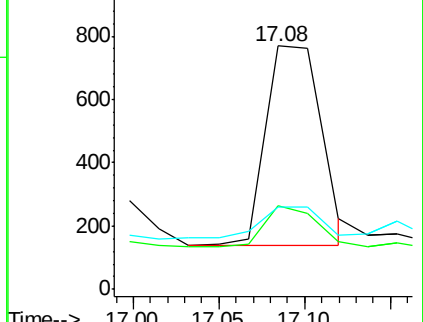
179 17.2 12.2 18.4



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



#23

Anthracene

Concen: 0.09 ng

RT: 17.08 min Scan# 2286

Delta R.T. -0.02 min

Lab File: BE090142.D

Acq: 17 Jul 2015 5:55

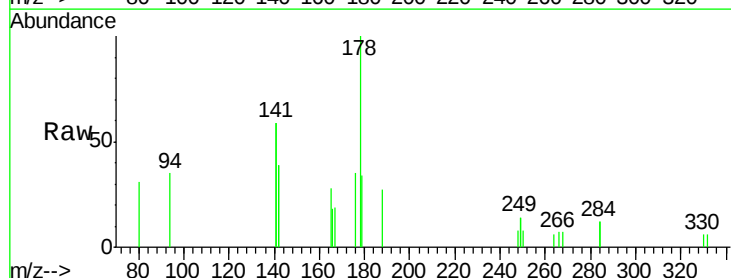
Tgt Ion:178 Resp: 1520

Ion Ratio Lower Upper

178 100

176 21.0 14.7 22.1

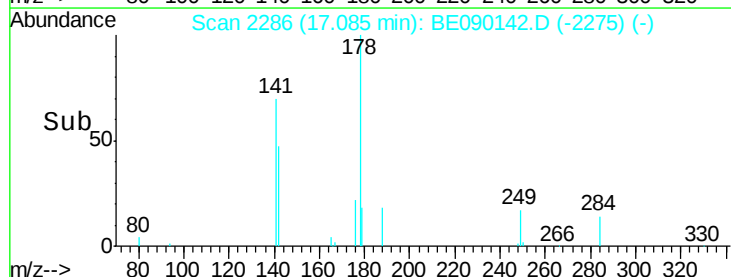
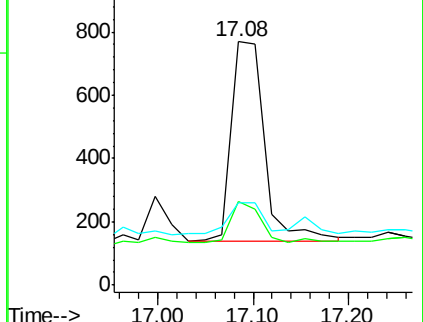
179 18.0 12.2 18.4

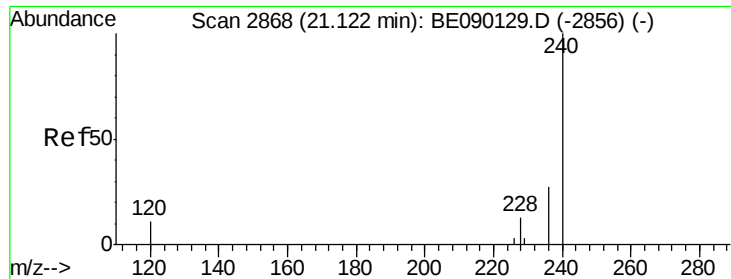


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Chrysene-d12

Concen: 5.00 ng

RT: 21.12 min Scan# 2869

Delta R.T. -0.00 min

Lab File: BE090142.D

Acq: 17 Jul 2015 5:55

Instrument :

BNA_E

ClientSampleId :

YT-MW11

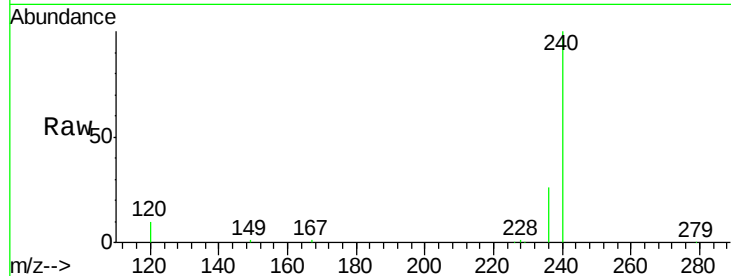
Tgt Ion:240 Resp: 86742

Ion Ratio Lower Upper

240 100

120 9.7 8.8 13.2

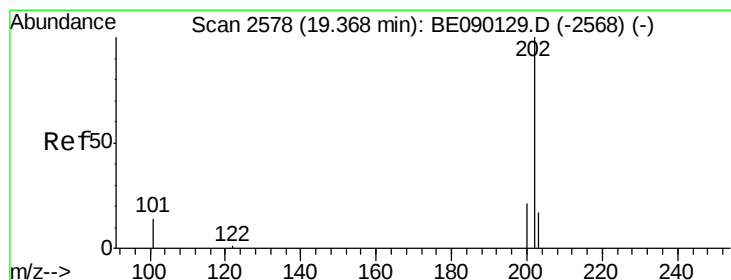
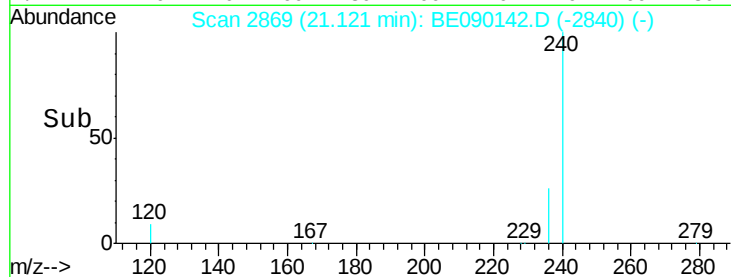
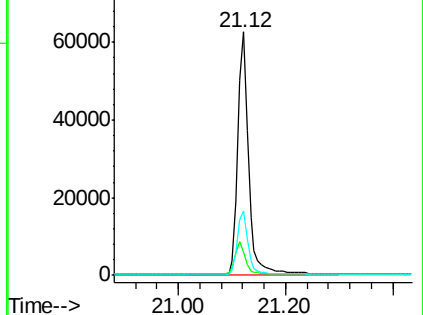
236 26.4 21.4 32.0



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



#26

Pyrene

Concen: 0.02 ng

RT: 19.36 min Scan# 2578

Delta R.T. -0.01 min

Lab File: BE090142.D

Acq: 17 Jul 2015 5:55

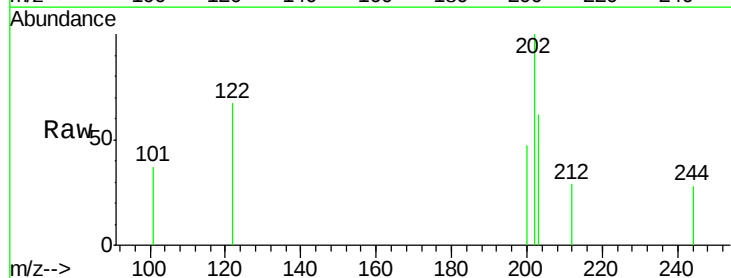
Tgt Ion:202 Resp: 507

Ion Ratio Lower Upper

202 100

200 23.9 16.6 24.8

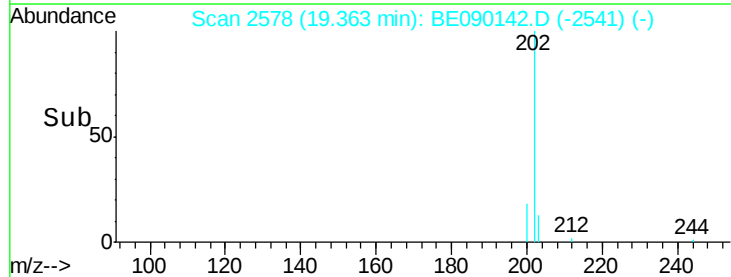
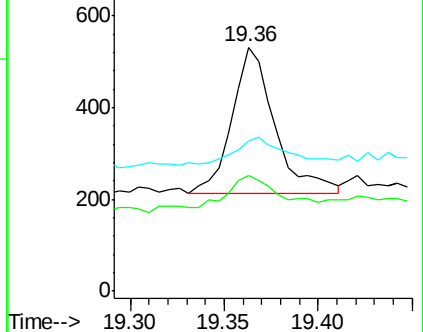
203 19.7 13.9 20.9

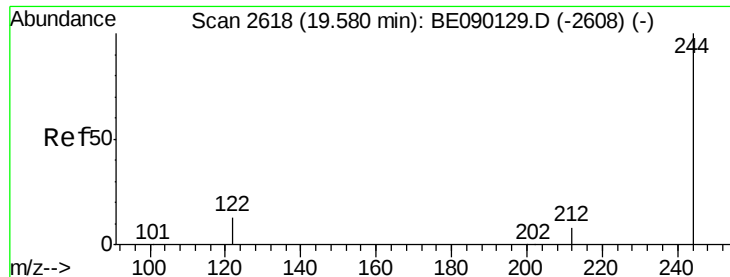


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

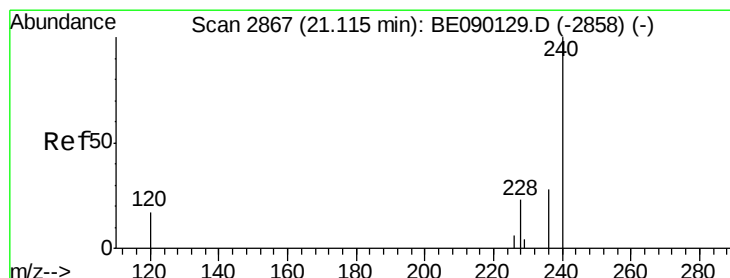
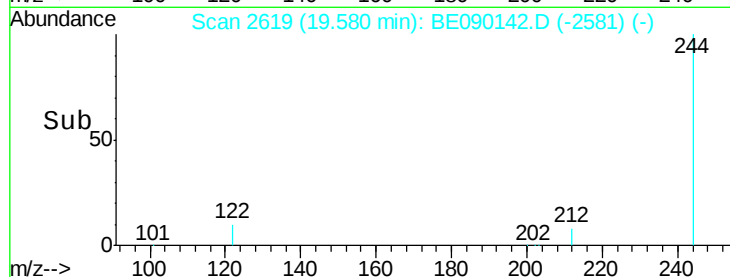
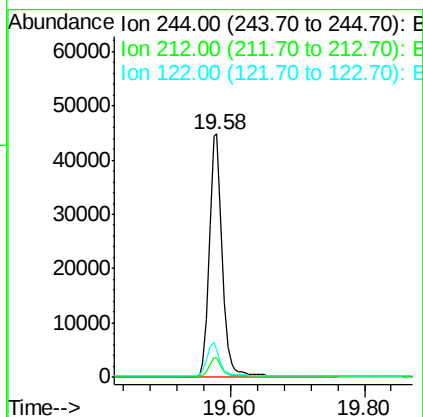
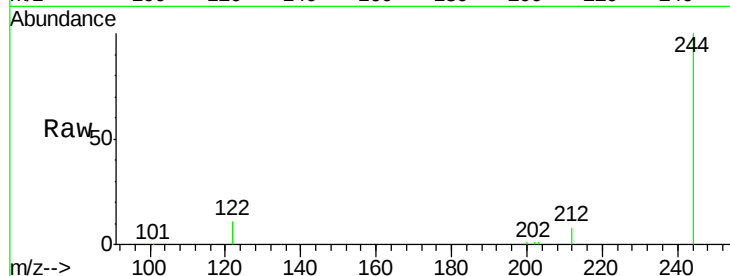




#27
 Terphenyl-d14
 Concen: 4.15 ng
 RT: 19.58 min Scan# 2619
 Delta R.T. -0.00 min
 Lab File: BE090142.D
 Acq: 17 Jul 2015 5:55

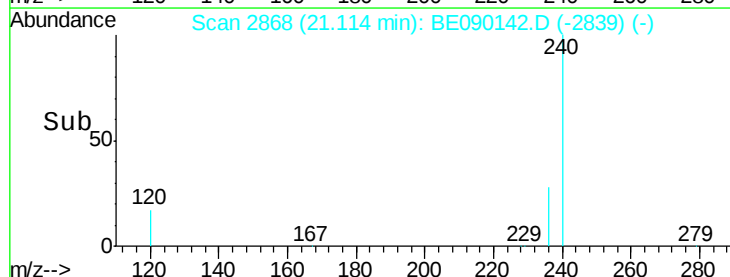
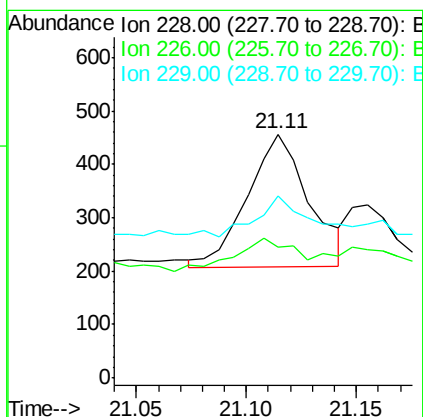
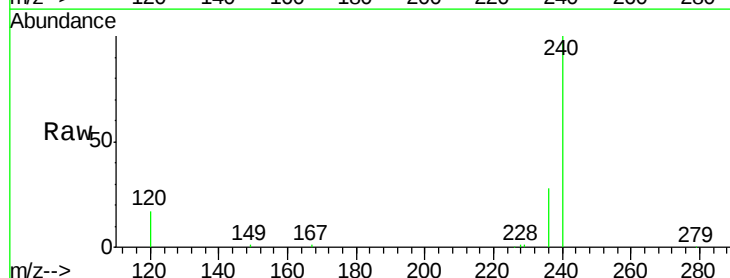
Instrument :
 BNA_E
 ClientSampleId :
 YT-MW11

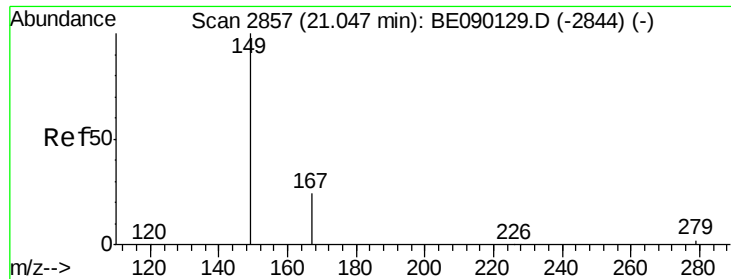
Tgt Ion: 244 Resp: 60393
 Ion Ratio Lower Upper
 244 100
 212 7.9 6.7 10.1
 122 11.0 10.7 16.1



#28
 Benzo(a)anthracene
 Concen: 0.03 ng
 RT: 21.11 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: BE090142.D
 Acq: 17 Jul 2015 5:55

Tgt Ion: 228 Resp: 486
 Ion Ratio Lower Upper
 228 100
 226 53.9 21.3 31.9#
 229 74.6 16.1 24.1#

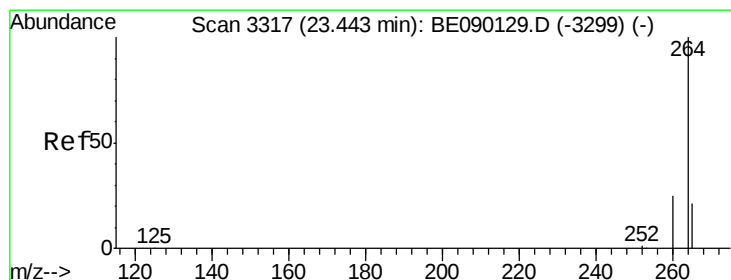
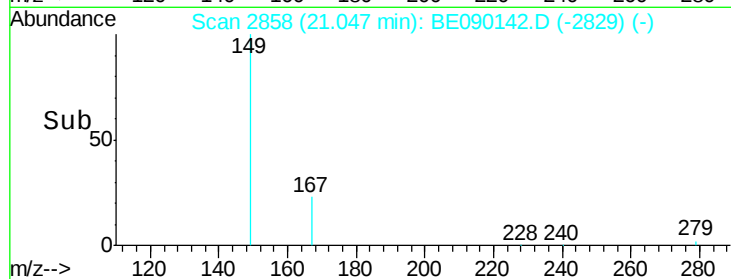
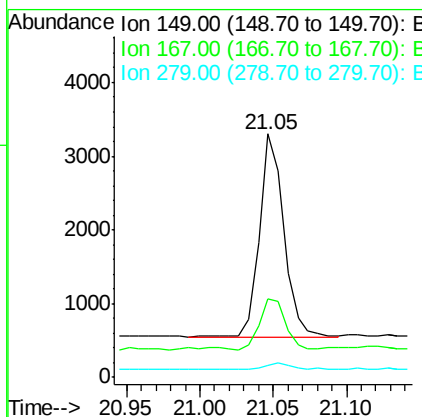
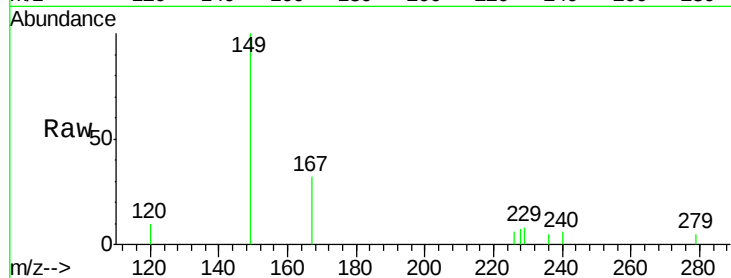




#30
 Bis(2-ethylhexyl)phthalate
 Concen: 1.07 ng
 RT: 21.05 min Scan# 2858
 Delta R.T. -0.00 min
 Lab File: BE090142.D
 Acq: 17 Jul 2015 5:55

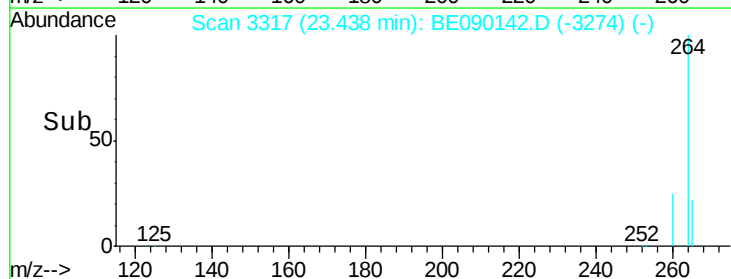
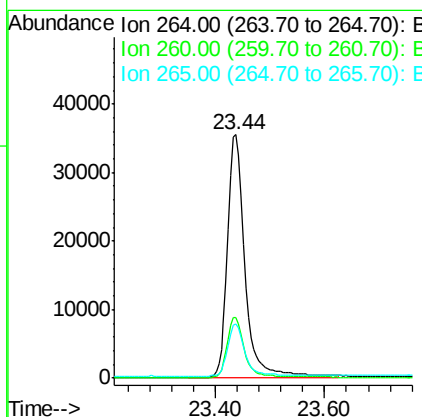
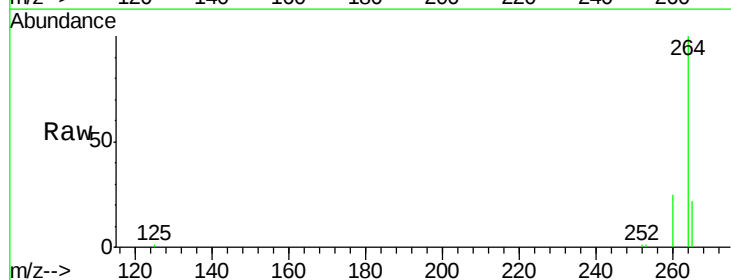
Instrument :
 BNA_E
 ClientSampleId :
 YT-MW11

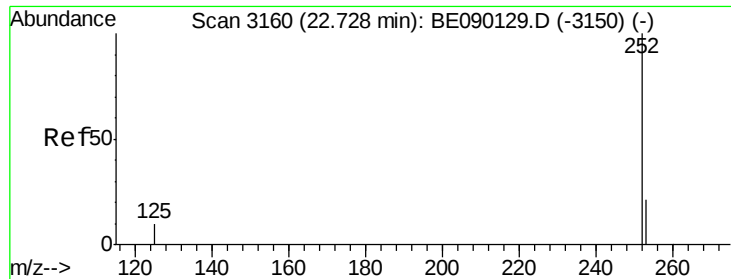
Tgt Ion:149 Resp: 3234
 Ion Ratio Lower Upper
 149 100
 167 26.2 18.6 27.8
 279 3.4 2.2 3.4#



#32
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.44 min Scan# 3317
 Delta R.T. -0.01 min
 Lab File: BE090142.D
 Acq: 17 Jul 2015 5:55

Tgt Ion:264 Resp: 78518
 Ion Ratio Lower Upper
 264 100
 260 24.8 19.9 29.9
 265 22.4 17.8 26.8





#33

Benzo(b)fluoranthene

Concen: 0.02 ng

RT: 22.73 min Scan# 3162

Delta R.T. 0.00 min

Lab File: BE090142.D

Acq: 17 Jul 2015 5:55

Instrument :

BNA_E

ClientSampleId :

YT-MW11

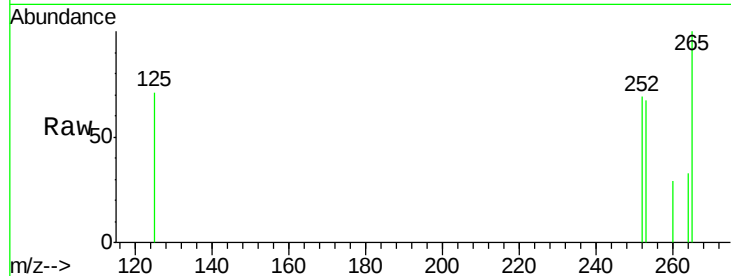
Tgt Ion:252 Resp: 130

Ion Ratio Lower Upper

252 100

253 97.3 19.0 28.6#

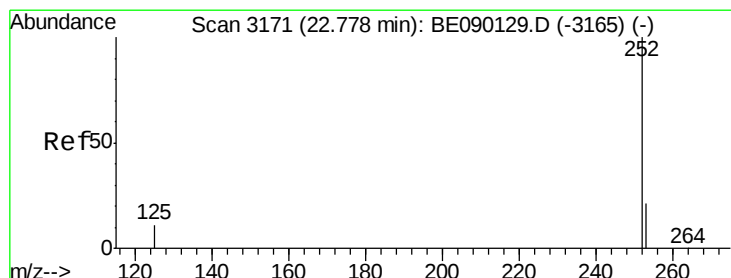
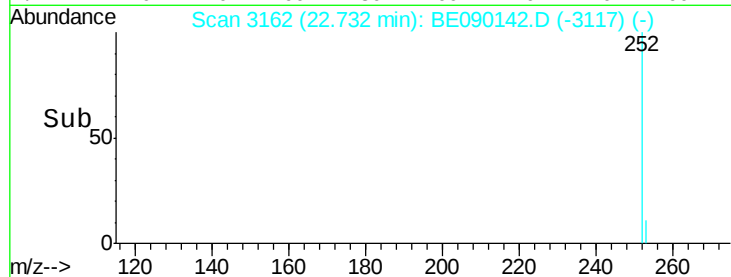
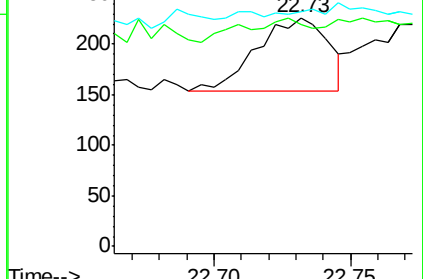
125 102.7 10.7 16.1#



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



#34

Benzo(k)fluoranthene

Concen: 0.18 ng

RT: 22.78 min Scan# 3172

Delta R.T. 0.00 min

Lab File: BE090142.D

Acq: 17 Jul 2015 5:55

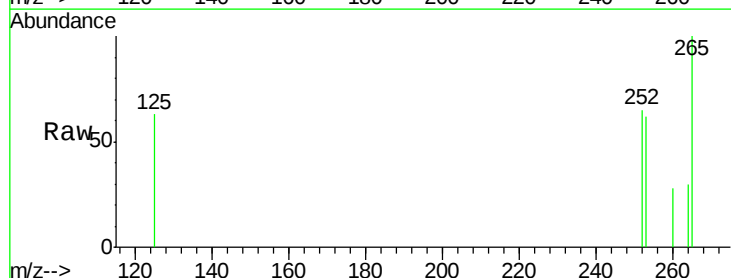
Tgt Ion:252 Resp: 104

Ion Ratio Lower Upper

252 100

253 96.4 18.7 28.1#

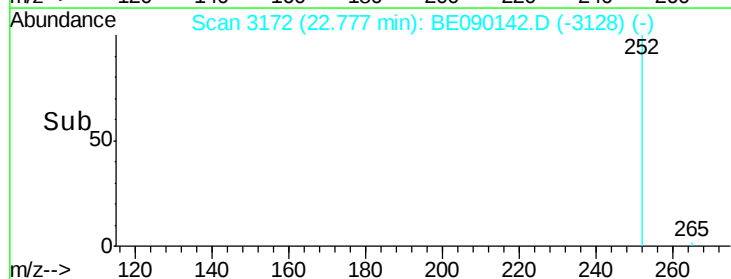
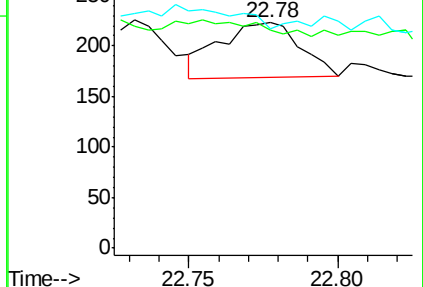
125 97.3 10.5 15.7#

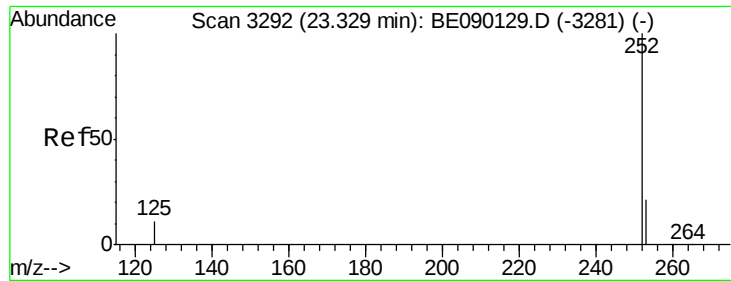


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#35

Benzo(a)pyrene

Concen: 0.41 ng

RT: 23.32 min Scan# 3292

Delta R.T. -0.00 min

Lab File: BE090142.D

Acq: 17 Jul 2015 5:55

Instrument :

BNA_E

ClientSampleId :

YT-MW11

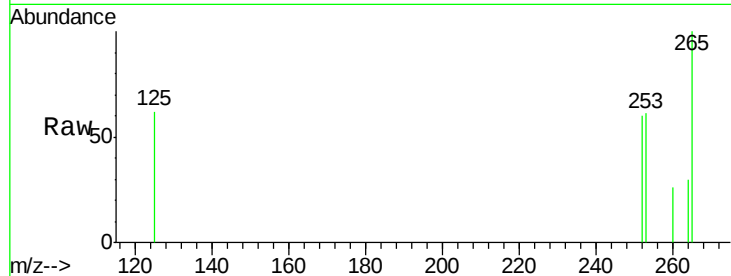
Tgt Ion: 252 Resp: 165

Ion Ratio Lower Upper

252 100

253 101.0 19.4 29.2#

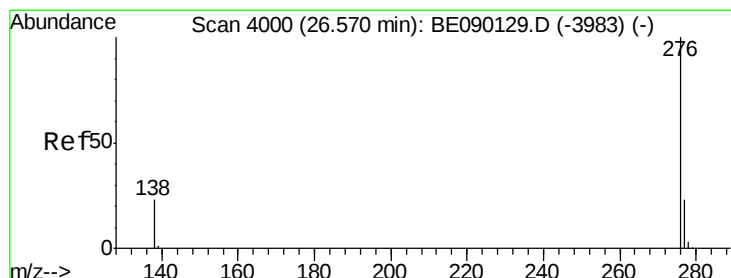
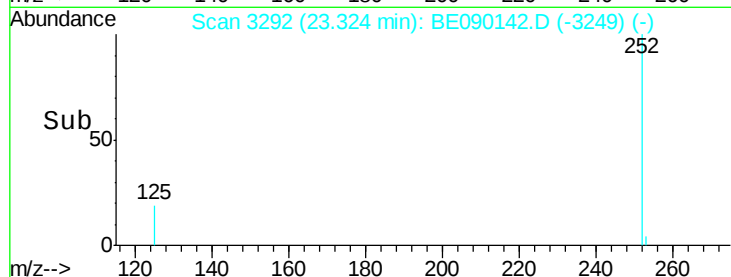
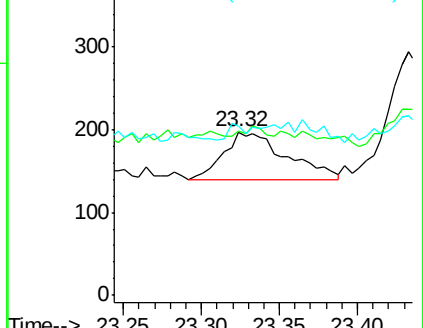
125 103.6 11.9 17.9#



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



#37

Benzo(g,h,i)perylene

Concen: 0.38 ng

RT: 26.57 min Scan# 4002

Delta R.T. 0.00 min

Lab File: BE090142.D

Acq: 17 Jul 2015 5:55

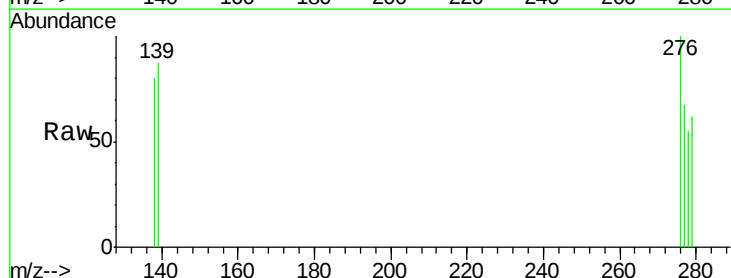
Tgt Ion: 276 Resp: 175

Ion Ratio Lower Upper

276 100

277 67.0 22.0 33.0#

138 80.0 22.0 33.0#



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

