

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE041816\
 Data File : BE091672.D
 Acq On : 18 Apr 2016 20:24
 Operator : UM/SJ
 Sample : H2563-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 BCR05

Quant Time: Apr 19 05:11:22 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE041816.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 18 17:20:40 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	35546	5.00	ng	0.00
7) Naphthalene-d8	10.57	136	176161	5.00	ng	0.00
13) Acenaphthene-d10	14.42	164	104356	5.00	ng	0.00
19) Phenanthrene-d10	17.15	188	257526	5.00	ng	0.00
26) Chrysene-d12	21.31	240	317279	5.00	ng	0.00
35) Perylene-d12	23.76	264	283273	5.00	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.41	112	15225	1.97	ng	0.00
5) Phenol-d6	6.97	99	13166	1.26	ng	0.00
8) Nitrobenzene-d5	8.96	82	25215	2.79	ng	0.00
14) 2,4,6-Tribromophenol	15.90	330	19487	6.49	ng	-0.01
15) 2-Fluorobiphenyl	13.05	172	83749	2.88	ng	0.00
29) Terphenyl-d14	19.76	244	174792	4.04	ng	0.00

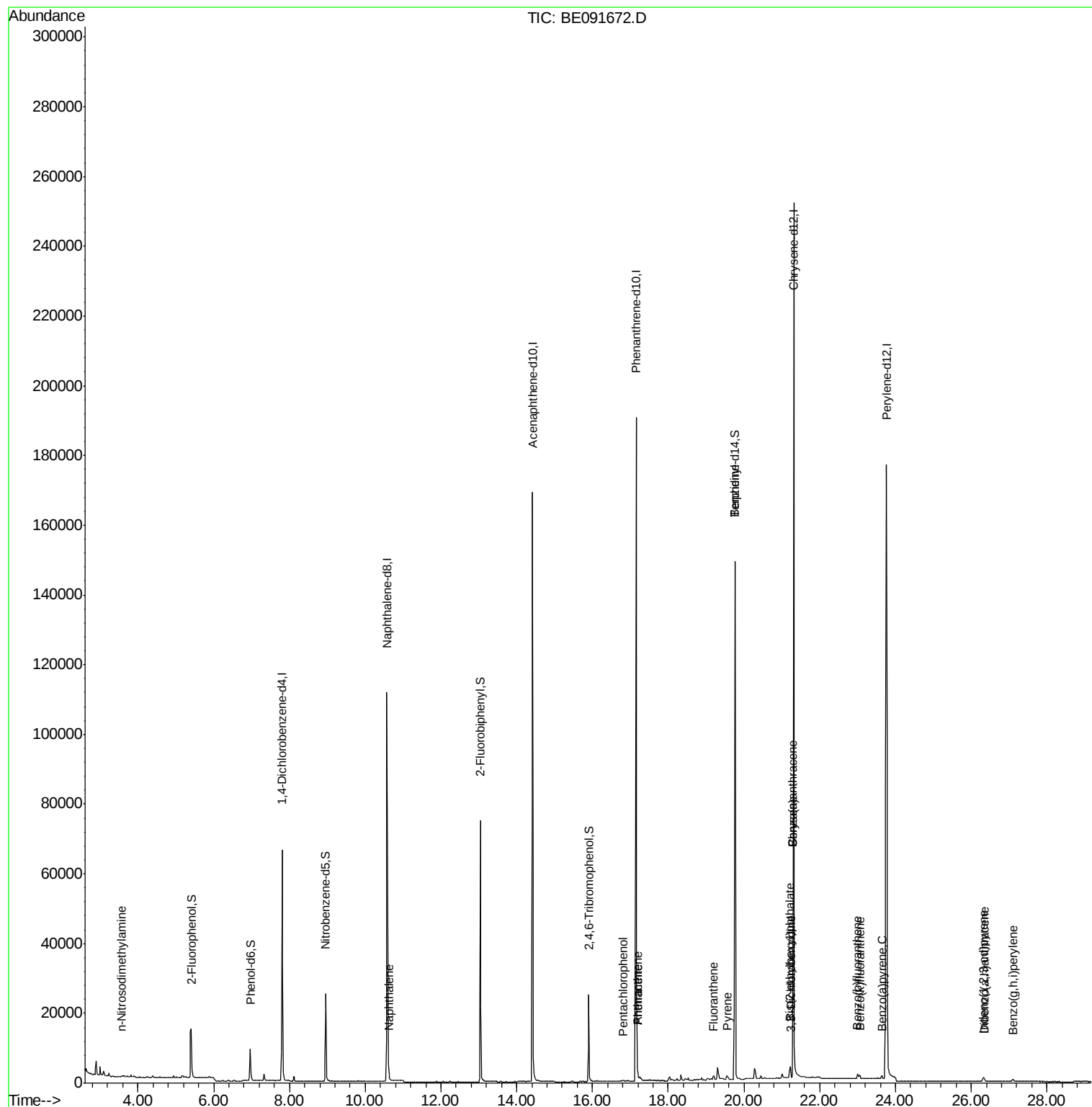
Target Compounds						Qvalue
3) n-Nitrosodimethylamine	3.57	42	215	0.04	ng	# 1
10) Naphthalene	10.63	128	1155	0.03	ng	# 84
22) Pentachlorophenol	16.81	266	394	0.30	ng	# 92
23) Phenanthrene	17.19	178	1755	0.03	ng	# 95
24) Anthracene	17.19	178	1755	0.03	ng	# 99
25) Fluoranthene	19.21	202	1692	0.03	ng	# 93
27) Benzydine	19.76	184	2694	0.18	ng	# 94
28) Pyrene	19.55	202	1452	0.02	ng	# 92
30) Benzo(a)anthracene	21.29	228	4176	0.06	ng	# 91
31) 3,3'-Dichlorobenzidine	21.24	252	130	0.15	ng	# 41
32) Chrysene	21.29	228	4176	0.06	ng	# 92
33) Bis(2-ethylhexyl)phthalate	21.22	149	6040	0.52	ng	# 90
34) Indeno(1,2,3-cd)pyrene	26.32	276	1945	0.03	ng	# 99
36) Benzo(b)fluoranthene	23.00	252	2140	0.03	ng	# 48
37) Benzo(k)fluoranthene	23.06	252	1363	0.02	ng	# 48
38) Benzo(a)pyrene	23.65	252	1274	0.02	ng	# 23
39) Dibenzo(a,h)anthracene	26.34	278	1497	0.03	ng	# 65
40) Benzo(g,h,i)perylene	27.10	276	1594	0.03	ng	# 77

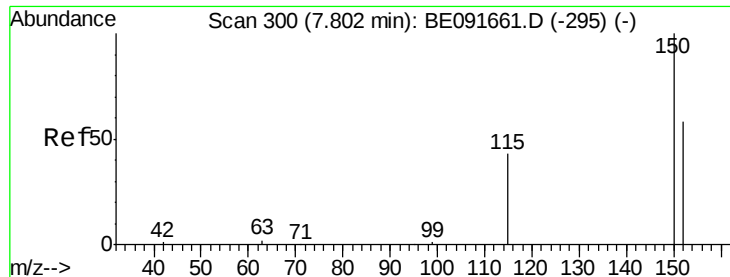
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE091672.D

Acq: 18 Apr 2016 20:24

Instrument :

BNA_E

ClientSampleId :

BCR05

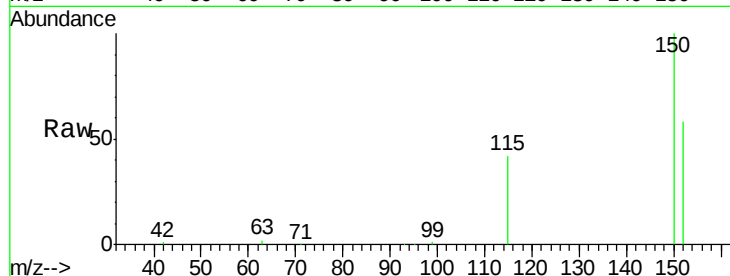
Tgt Ion:152 Resp: 35546

Ion Ratio Lower Upper

152 100

150 172.9 122.6 183.8

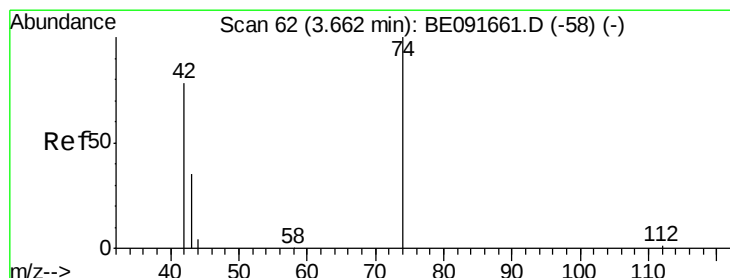
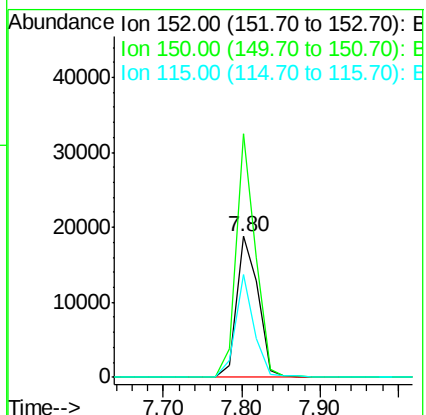
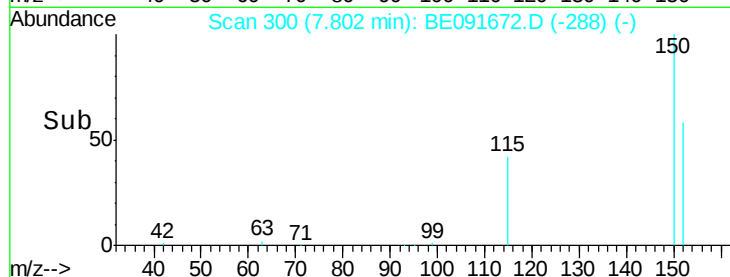
115 73.5 52.8 79.2



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



#3

n-Nitrosodimethylamine

Concen: 0.04 ng

RT: 3.57 min Scan# 57

Delta R.T. -0.09 min

Lab File: BE091672.D

Acq: 18 Apr 2016 20:24

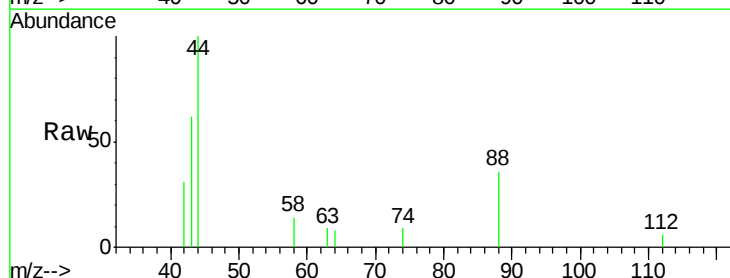
Tgt Ion: 42 Resp: 215

Ion Ratio Lower Upper

42 100

74 0.0 87.9 131.9#

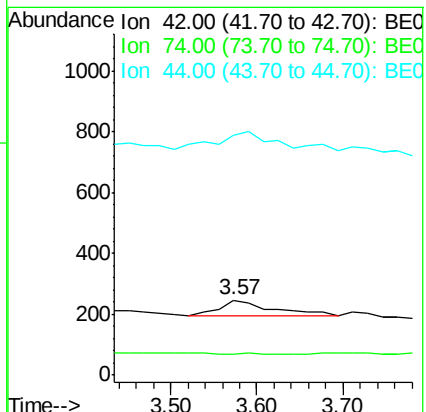
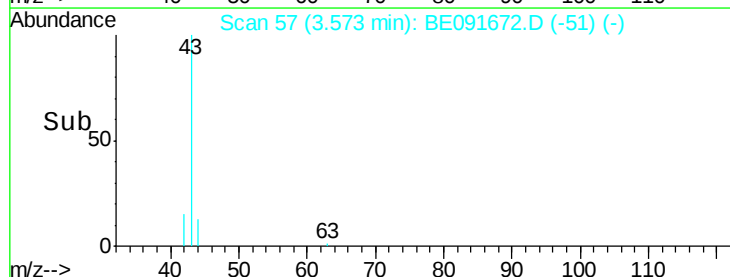
44 270.2 6.6 9.8#

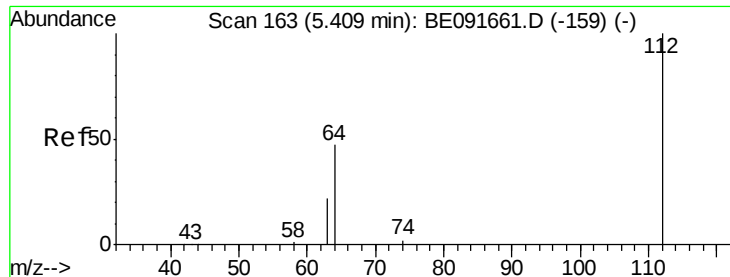


Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0

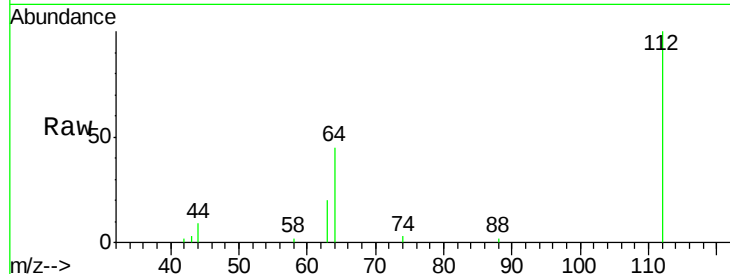




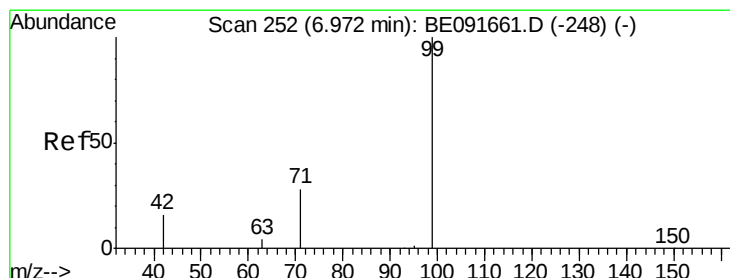
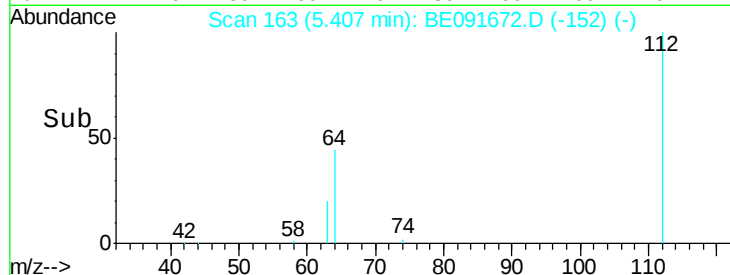
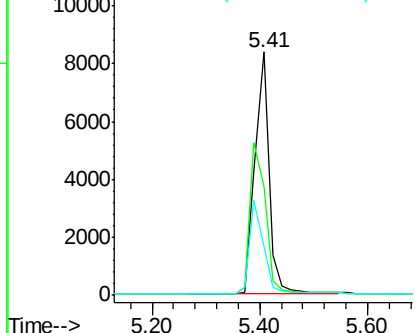
#4
2-Fluorophenol
Concen: 1.97 ng
RT: 5.41 min Scan# 163
Delta R.T. -0.00 min
Lab File: BE091672.D
Acq: 18 Apr 2016 20:24

Instrument :
BNA_E
ClientSampleId :
BCR05

Tgt Ion: 112 Resp: 15225
Ion Ratio Lower Upper
112 100
64 68.3 30.9 46.3#
63 37.6 16.7 25.1#

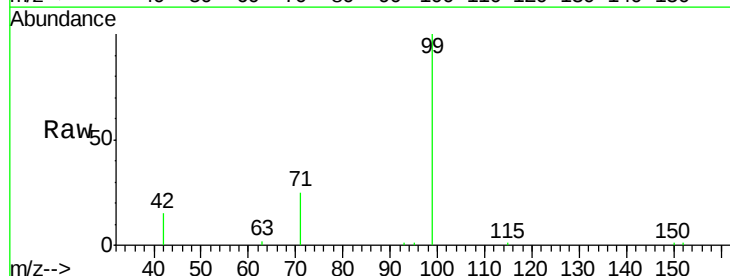


Abundance Ion 112.00 (111.70 to 112.70): BE0
Ion 64.00 (63.70 to 64.70): BE0
Ion 63.00 (62.70 to 63.70): BE0

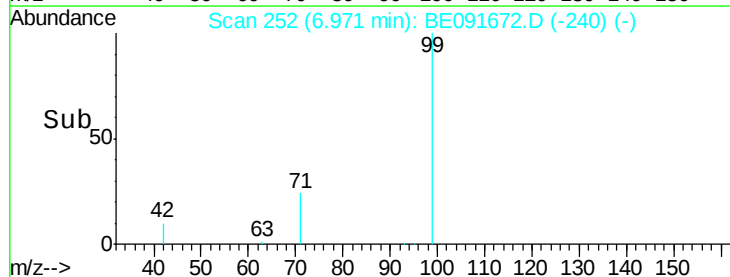
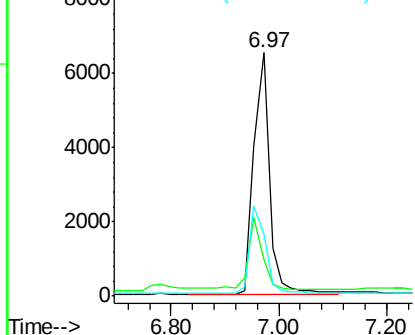


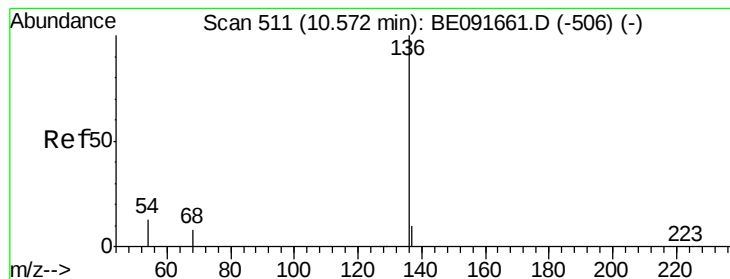
#5
Phenol-d6
Concen: 1.26 ng
RT: 6.97 min Scan# 252
Delta R.T. -0.00 min
Lab File: BE091672.D
Acq: 18 Apr 2016 20:24

Tgt Ion: 99 Resp: 13166
Ion Ratio Lower Upper
99 100
42 28.5 16.2 24.2#
71 36.7 29.0 43.4



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





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.57 min Scan# 511

Delta R.T. -0.00 min

Lab File: BE091672.D

Acq: 18 Apr 2016 20:24

Instrument :

BNA_E

ClientSampleId :

BCR05

Tgt Ion: 136 Resp: 176161

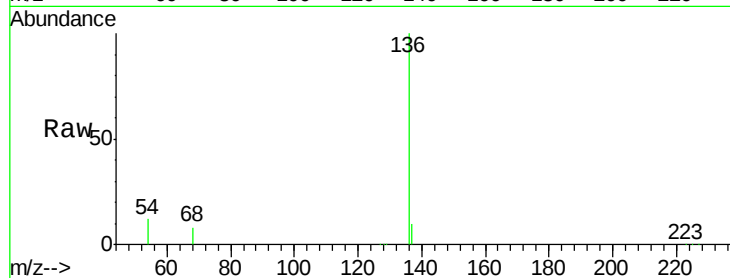
Ion Ratio Lower Upper

136 100

137 10.0 8.9 13.3

54 11.6 8.2 12.4

68 7.8 6.2 9.4

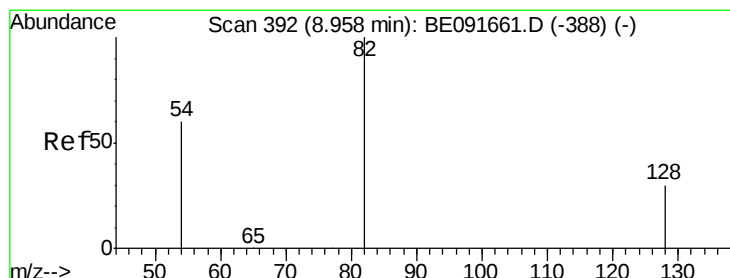
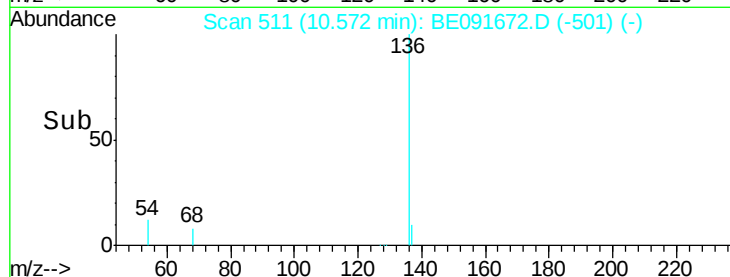
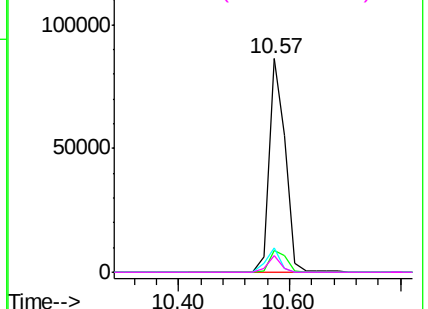


Abundance Ion 136.00 (135.70 to 136.70): E

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



#8

Nitrobenzene-d5

Concen: 2.79 ng

RT: 8.96 min Scan# 392

Delta R.T. 0.00 min

Lab File: BE091672.D

Acq: 18 Apr 2016 20:24

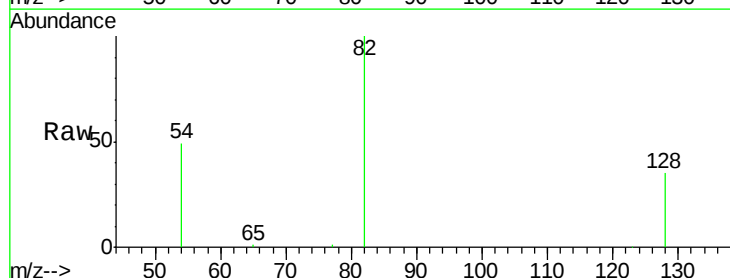
Tgt Ion: 82 Resp: 25215

Ion Ratio Lower Upper

82 100

128 34.8 25.4 38.0

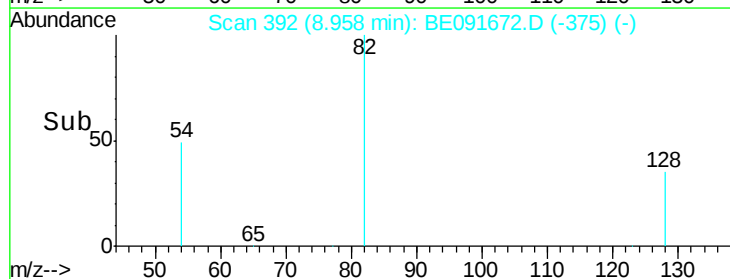
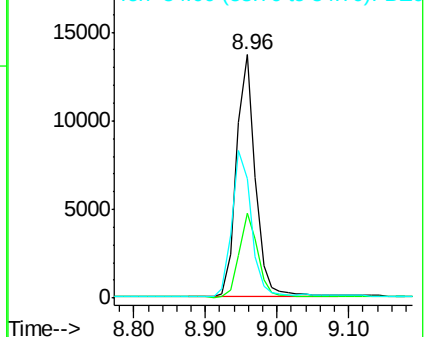
54 49.2 48.4 72.6

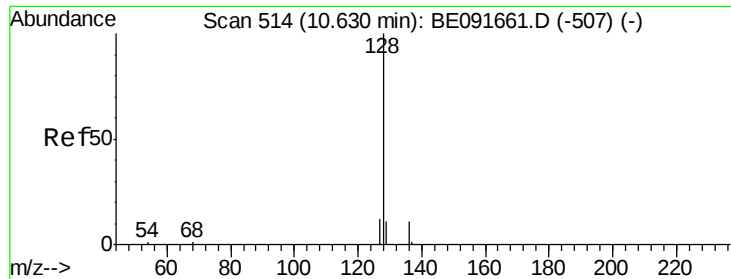


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0

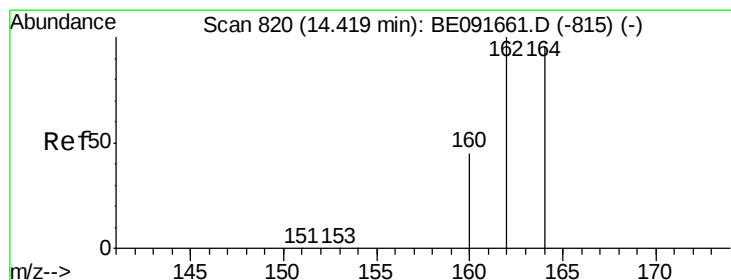
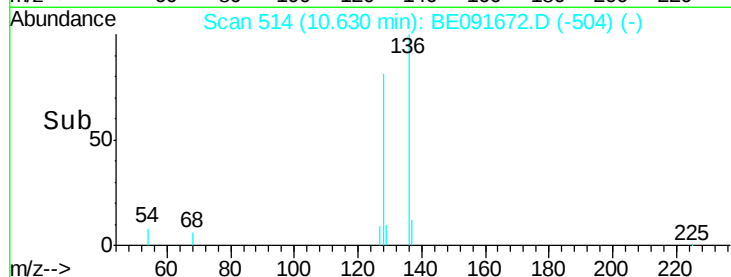
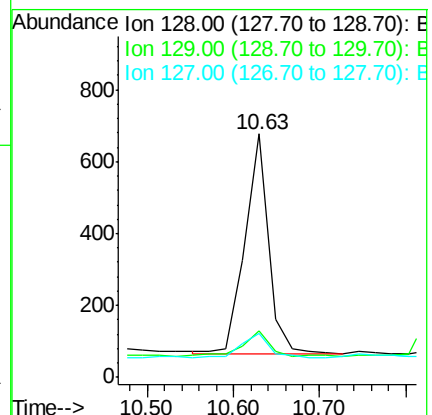
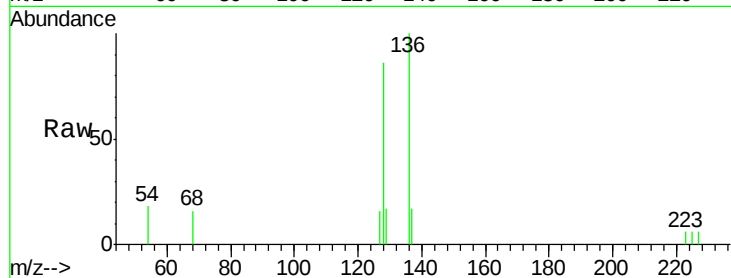




#10
Naphthalene
Concen: 0.03 ng
RT: 10.63 min Scan# 514
Delta R.T. -0.00 min
Lab File: BE091672.D
Acq: 18 Apr 2016 20:24

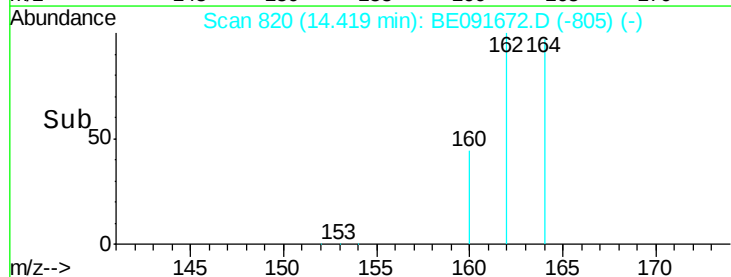
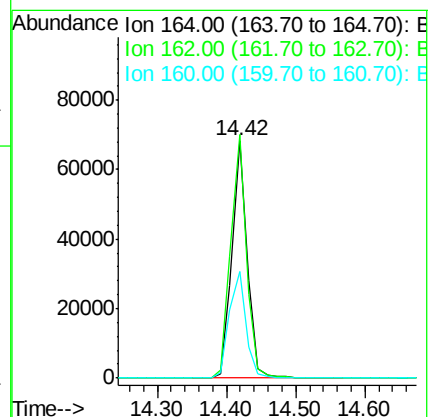
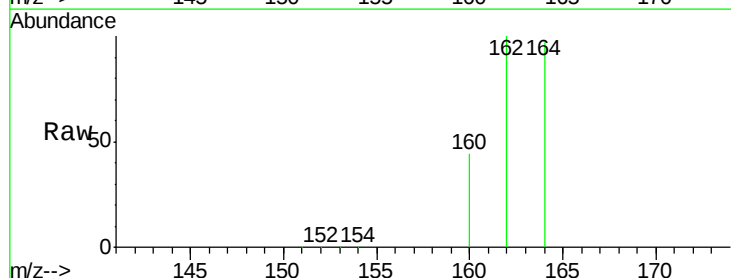
Instrument :
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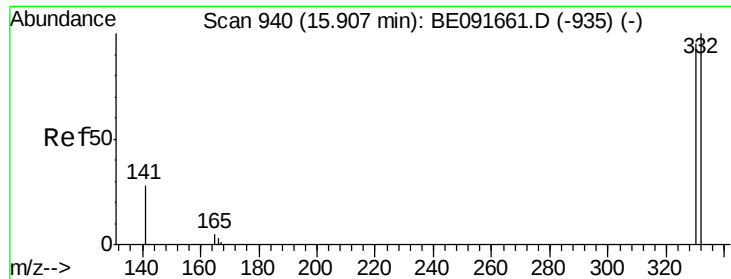
Tgt Ion:128 Resp: 1155
Ion Ratio Lower Upper
128 100
129 19.4 9.3 13.9#
127 18.2 10.7 16.1#



#13
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.42 min Scan# 820
Delta R.T. -0.00 min
Lab File: BE091672.D
Acq: 18 Apr 2016 20:24

Tgt Ion:164 Resp: 104356
Ion Ratio Lower Upper
164 100
162 102.6 85.3 127.9
160 44.7 46.2 69.2#

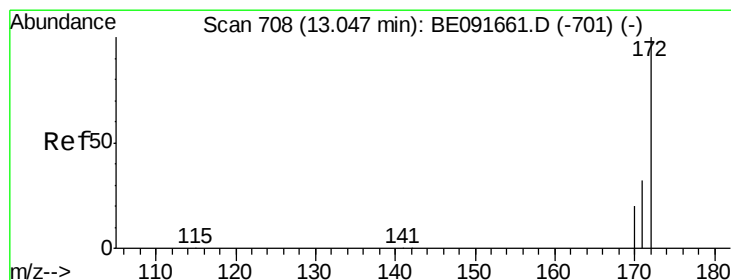
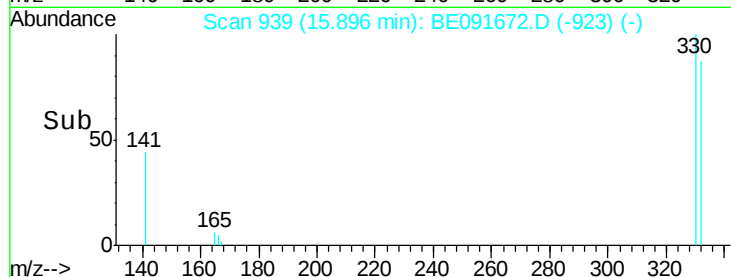
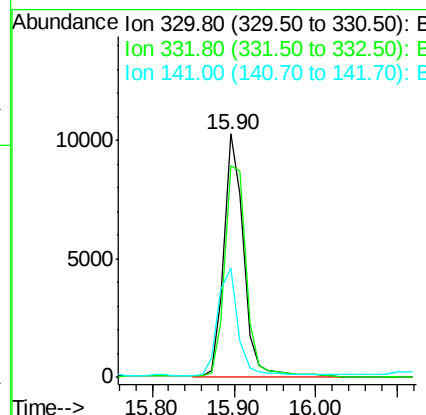
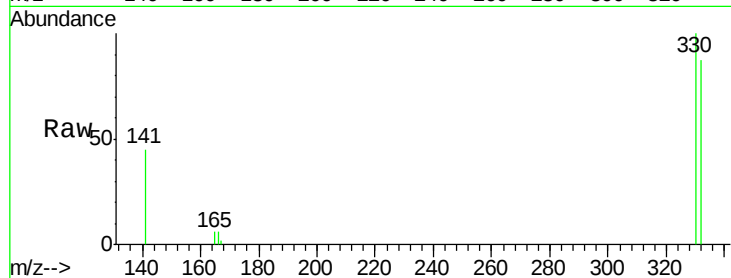




#14
 2,4,6-Tribromophenol
 Concen: 6.49 ng
 RT: 15.90 min Scan# 939
 Delta R.T. -0.01 min
 Lab File: BE091672.D
 Acq: 18 Apr 2016 20:24

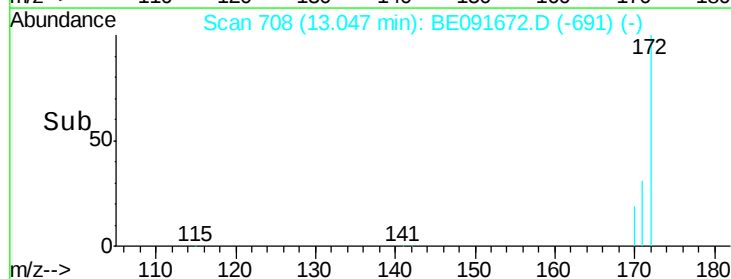
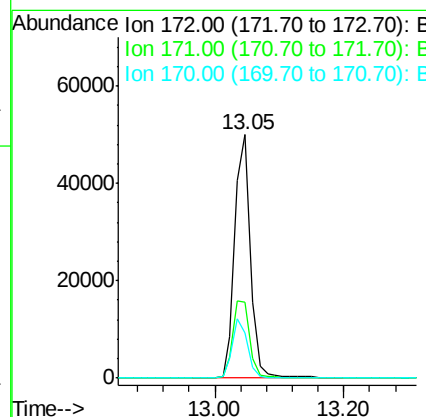
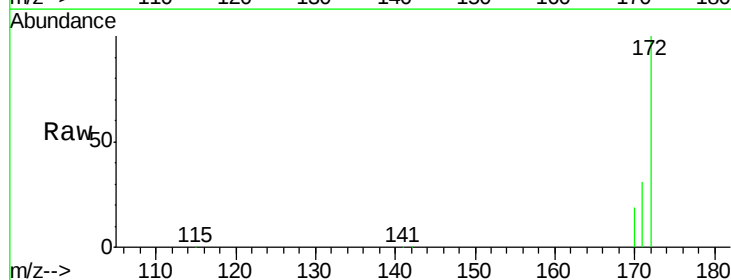
Instrument :
 BNA_E
 ClientSampleId :
 BCR05

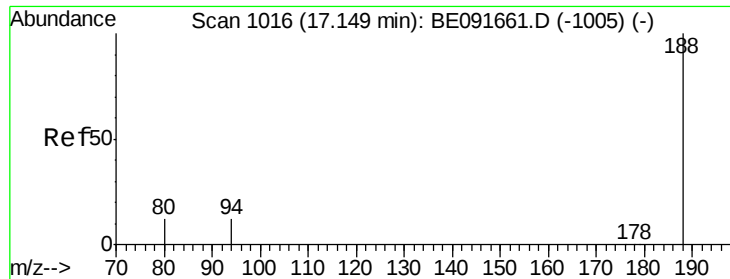
Tgt Ion:330 Resp: 19487
 Ion Ratio Lower Upper
 330 100
 332 96.4 79.1 118.7
 141 44.6 125.4 188.0#



#15
 2-Fluorobiphenyl
 Concen: 2.88 ng
 RT: 13.05 min Scan# 708
 Delta R.T. -0.00 min
 Lab File: BE091672.D
 Acq: 18 Apr 2016 20:24

Tgt Ion:172 Resp: 83749
 Ion Ratio Lower Upper
 172 100
 171 31.4 28.8 43.2
 170 18.7 19.3 28.9#

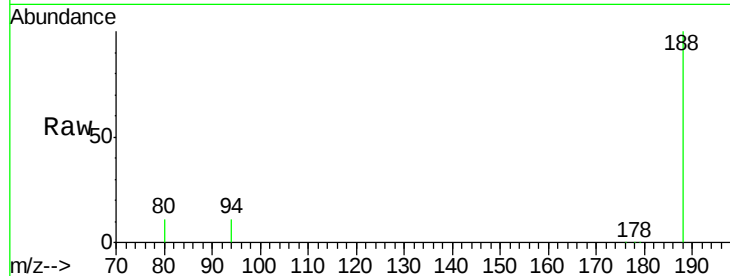




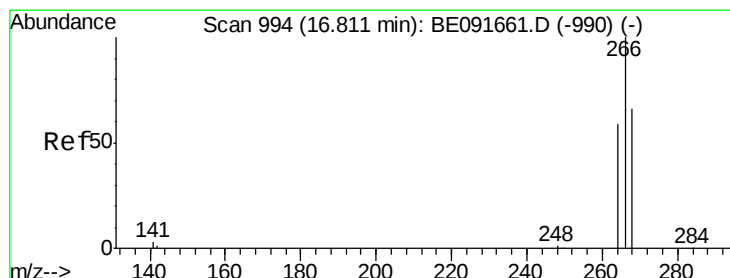
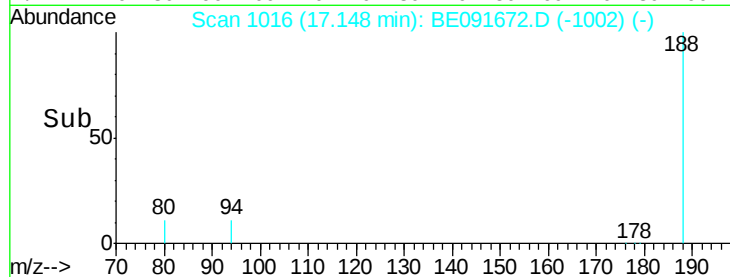
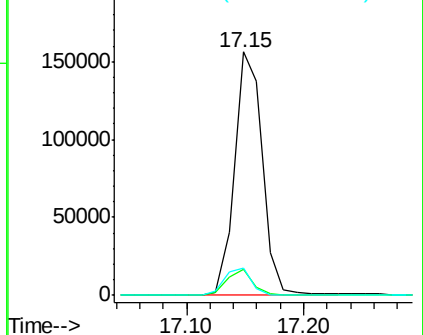
#19
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.15 min Scan# 1016
Delta R.T. -0.00 min
Lab File: BE091672.D
Acq: 18 Apr 2016 20:24

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BNA_E
ClientSampleId :
BCR05

Tgt Ion:188 Resp: 257526
Ion Ratio Lower Upper
188 100
94 10.8 8.7 13.1
80 11.1 9.4 14.0

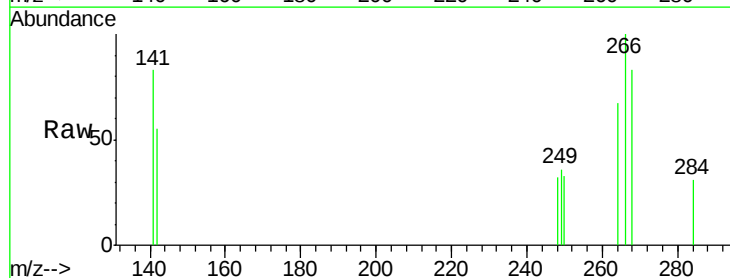


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BE0
Ion 80.00 (79.70 to 80.70): BE0

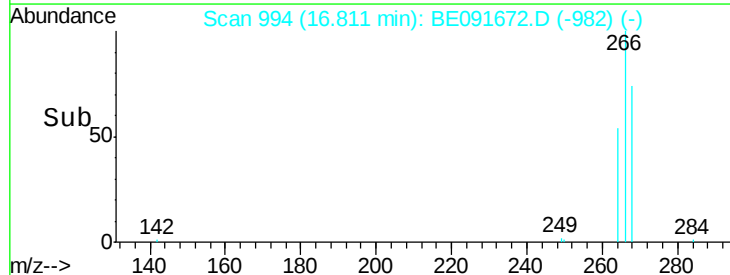
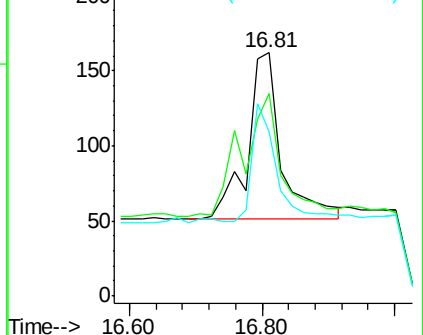


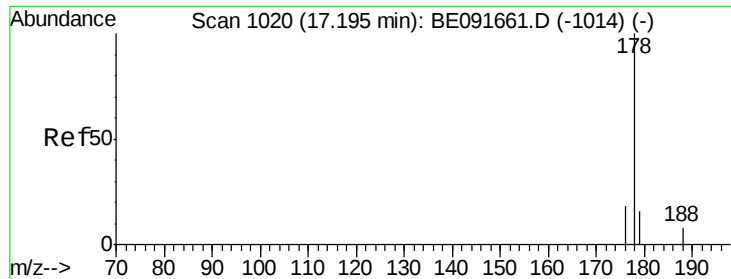
#22
Pentachlorophenol
Concen: 0.30 ng
RT: 16.81 min Scan# 994
Delta R.T. 0.00 min
Lab File: BE091672.D
Acq: 18 Apr 2016 20:24

Tgt Ion:266 Resp: 394
Ion Ratio Lower Upper
266 100
268 83.3 58.2 87.2
264 67.3 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: 17.19 min Scan# 1020

Delta R.T. -0.00 min

Lab File: BE091672.D

Acq: 18 Apr 2016 20:24

Instrument :

BNA_E

ClientSampleId :

BCR05

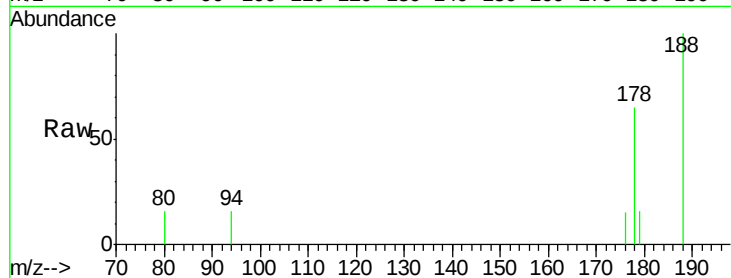
Tgt Ion:178 Resp: 1755

Ion Ratio Lower Upper

178 100

176 17.5 15.3 22.9

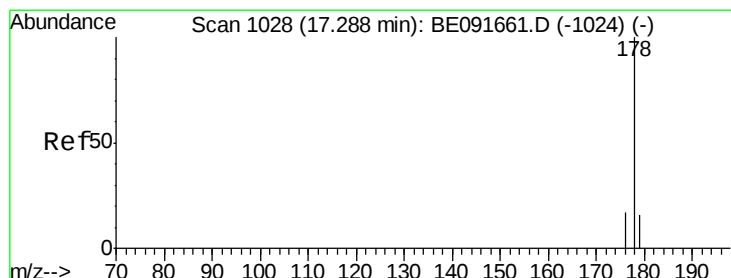
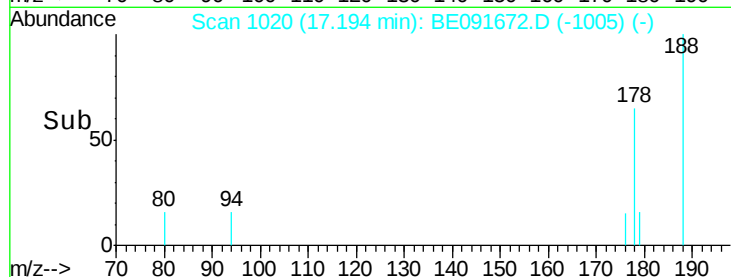
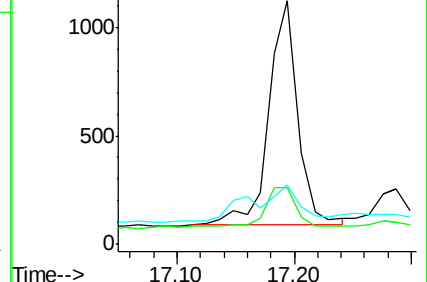
179 12.4 12.6 18.8#



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: 17.19 min Scan# 1020

Delta R.T. -0.09 min

Lab File: BE091672.D

Acq: 18 Apr 2016 20:24

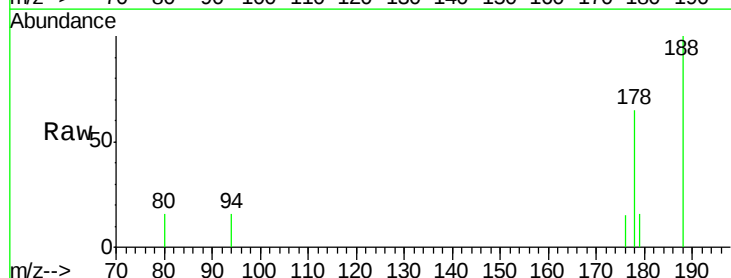
Tgt Ion:178 Resp: 1755

Ion Ratio Lower Upper

178 100

176 18.2 14.6 21.8

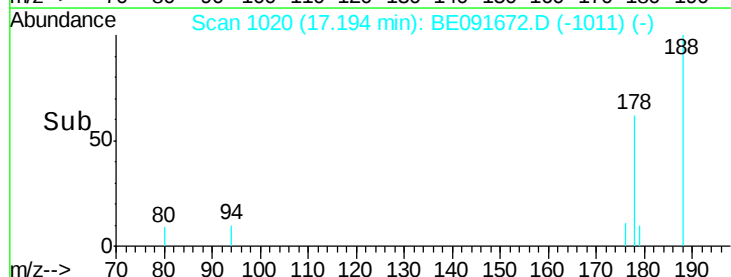
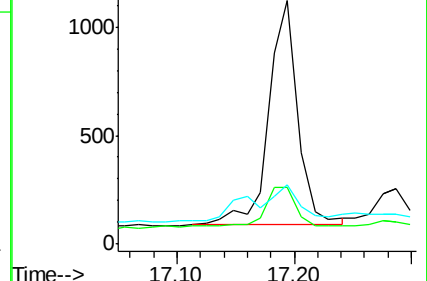
179 13.4 11.8 17.6

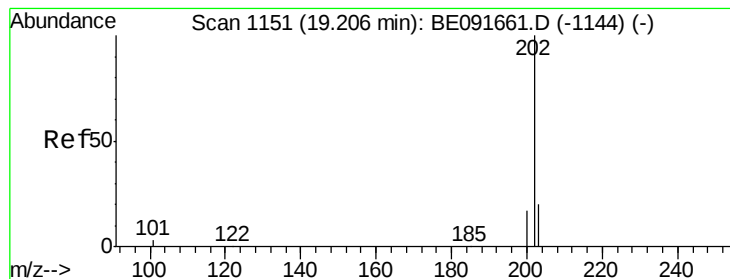


Abundance Ion 178.00 (177.70 to 178.70): E

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: 19.21 min Scan# 1151

Delta R.T. -0.00 min

Lab File: BE091672.D

Acq: 18 Apr 2016 20:24

Instrument :

BNA_E

ClientSampleId :

BCR05

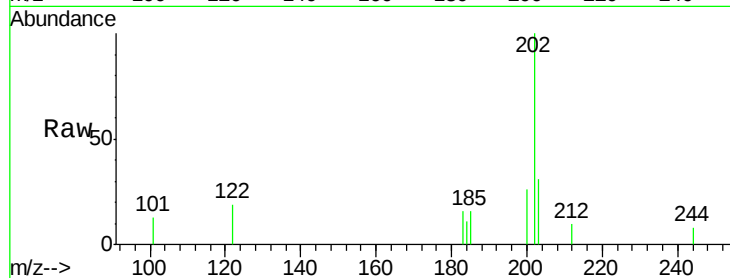
Tgt Ion: 202 Resp: 1692

Ion Ratio Lower Upper

202 100

101 17.8 11.0 16.6#

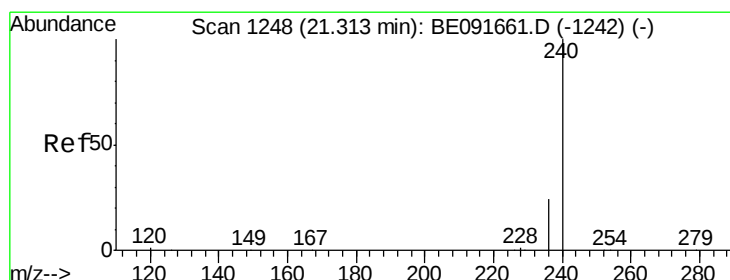
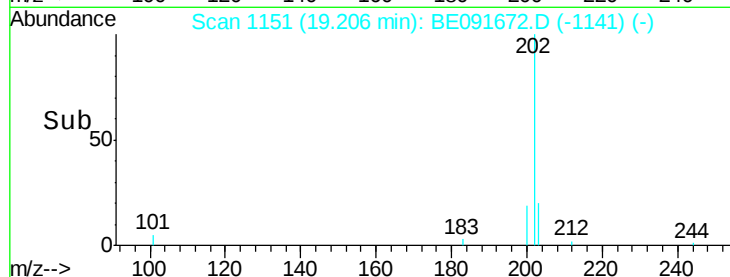
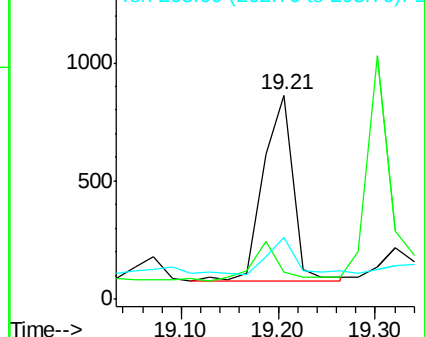
203 15.7 13.9 20.9



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# 1248

Delta R.T. 0.00 min

Lab File: BE091672.D

Acq: 18 Apr 2016 20:24

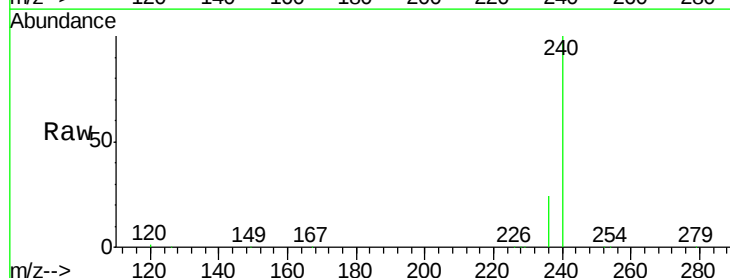
Tgt Ion: 240 Resp: 317279

Ion Ratio Lower Upper

240 100

120 1.4 11.0 16.4#

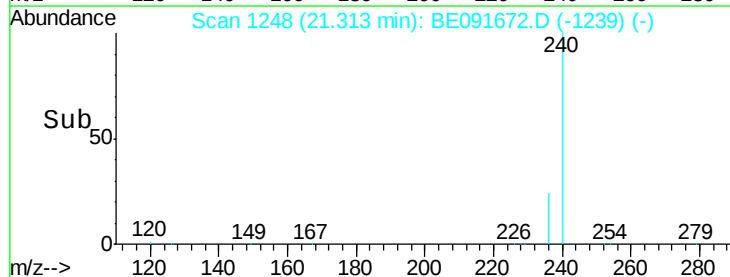
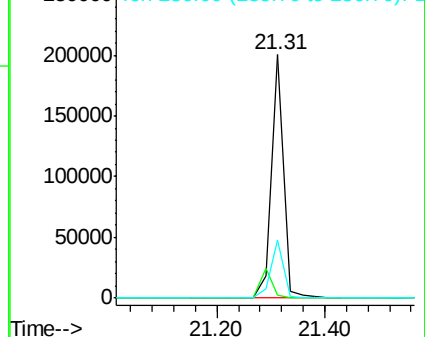
236 23.6 21.7 32.5

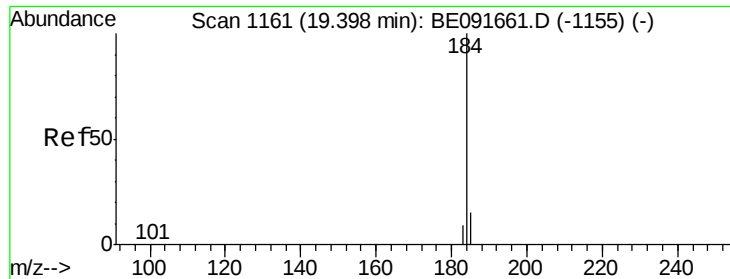


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#27

Benzidine

Concen: 0.18 ng

RT: 19.76 min Scan# 1180

Delta R.T. 0.36 min

Lab File: BE091672.D

Acq: 18 Apr 2016 20:24

Instrument :

BNA_E

ClientSampleId :

BCR05

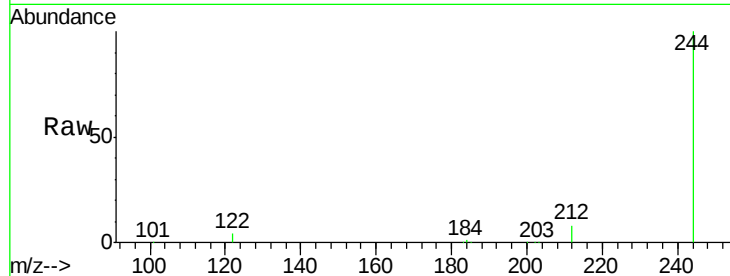
Tgt Ion:184 Resp: 2694

Ion Ratio Lower Upper

184 100

185 31.9 22.3 33.5

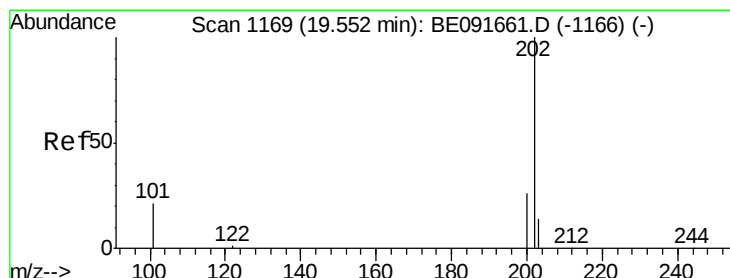
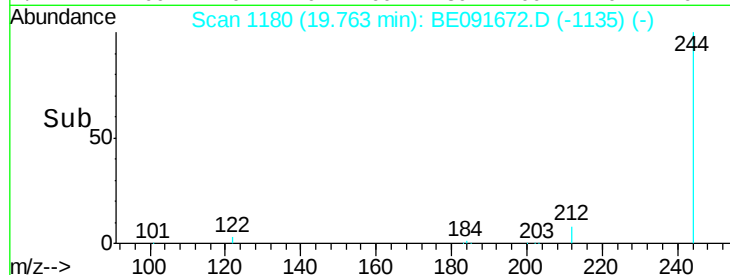
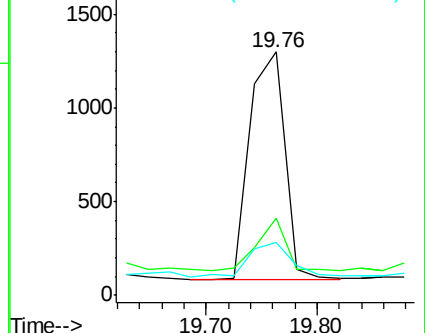
183 21.7 16.4 24.6



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: 0.02 ng

RT: 19.55 min Scan# 1169

Delta R.T. -0.00 min

Lab File: BE091672.D

Acq: 18 Apr 2016 20:24

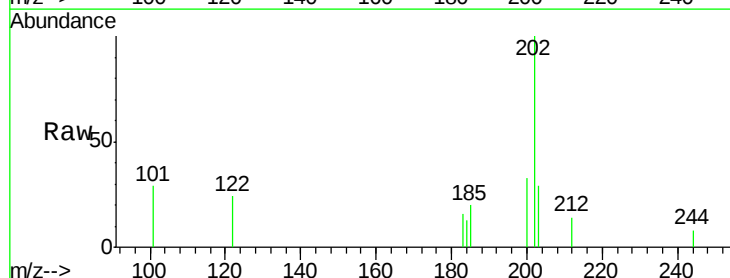
Tgt Ion:202 Resp: 1452

Ion Ratio Lower Upper

202 100

200 23.1 16.8 25.2

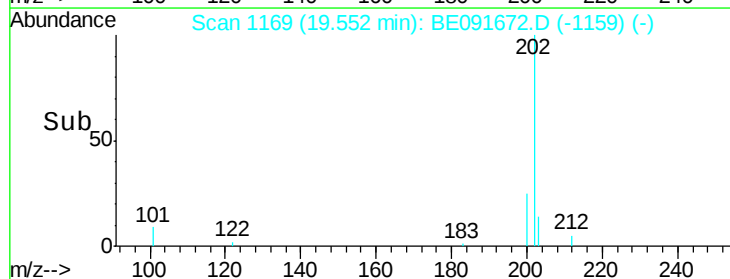
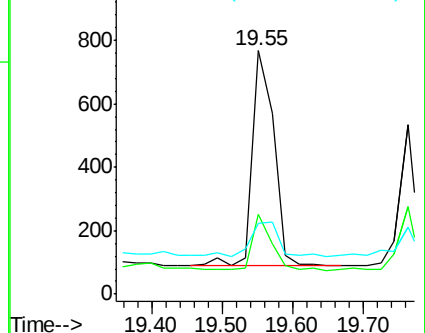
203 22.8 14.0 21.0#

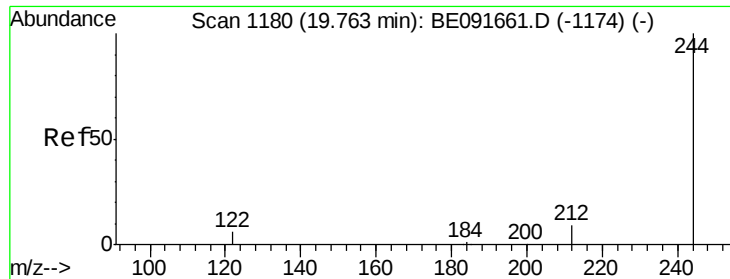


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 4.04 ng

RT: 19.76 min Scan# 1180

Delta R.T. -0.00 min

Lab File: BE091672.D

Acq: 18 Apr 2016 20:24

Instrument :

BNA_E

ClientSampleId :

BCR05

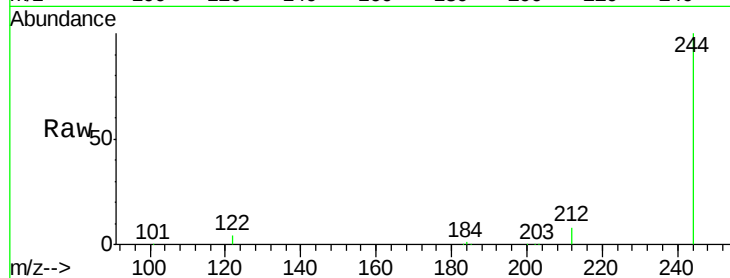
Tgt Ion:244 Resp: 174792

Ion Ratio Lower Upper

244 100

212 8.5 6.9 10.3

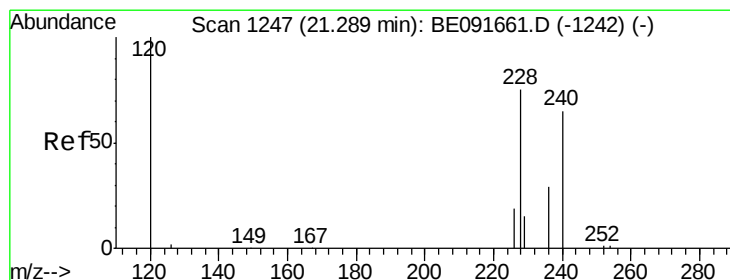
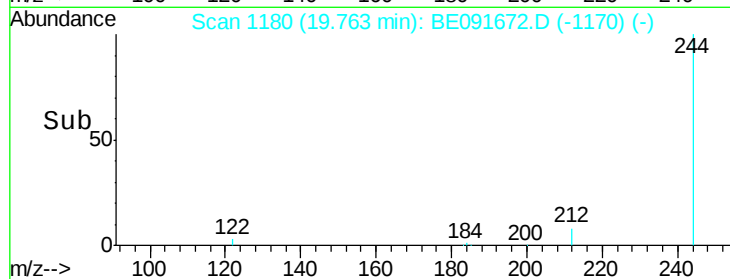
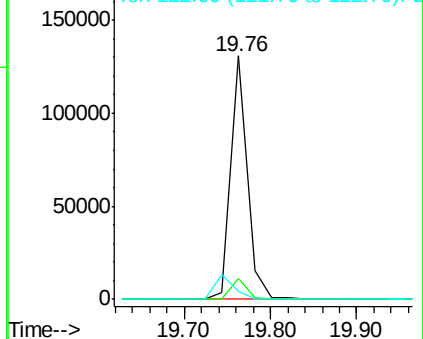
122 3.6 11.0 16.4#



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: 0.06 ng

RT: 21.29 min Scan# 1247

Delta R.T. 0.00 min

Lab File: BE091672.D

Acq: 18 Apr 2016 20:24

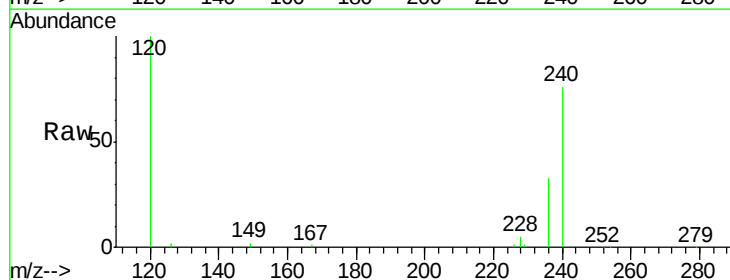
Tgt Ion:228 Resp: 4176

Ion Ratio Lower Upper

228 100

226 28.0 21.0 31.4

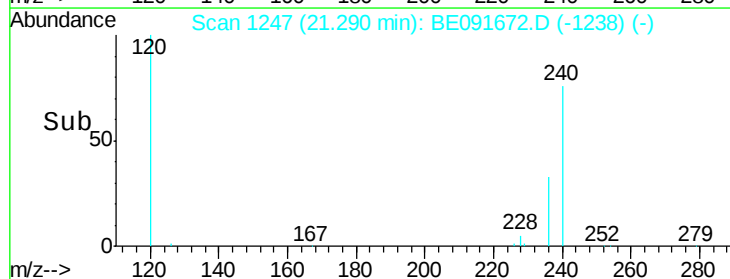
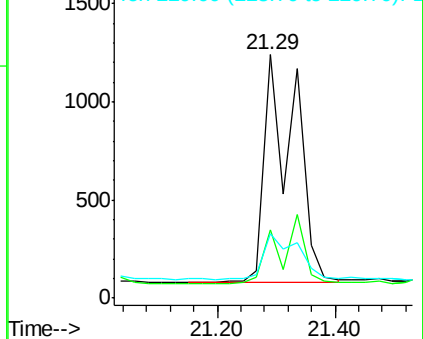
229 26.6 15.7 23.5#

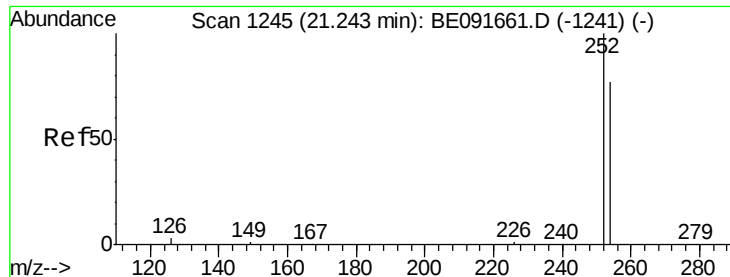


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

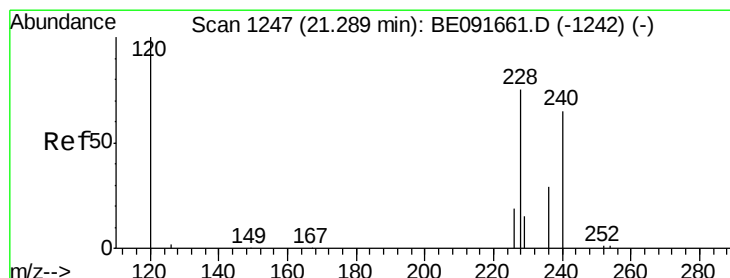
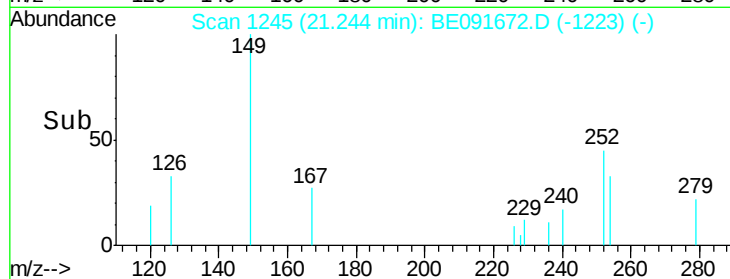
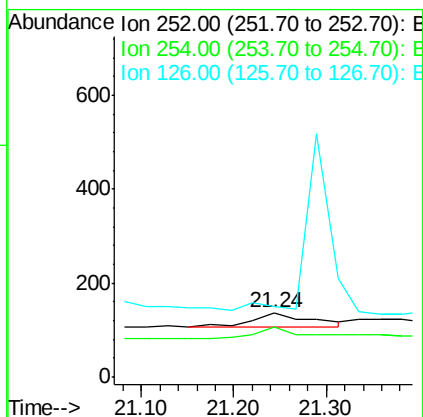
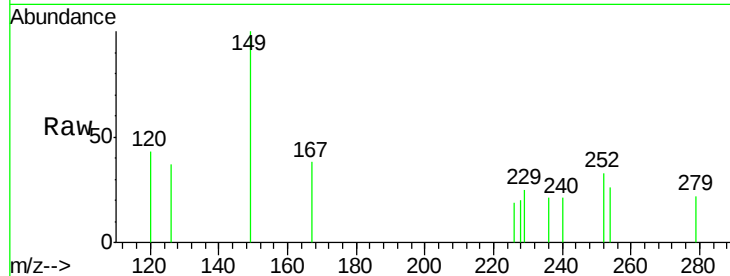




#31
 3,3'-Dichlorobenzidine
 Concen: 0.15 ng
 RT: 21.24 min Scan# 1245
 Delta R.T. 0.00 min
 Lab File: BE091672.D
 Acq: 18 Apr 2016 20:24

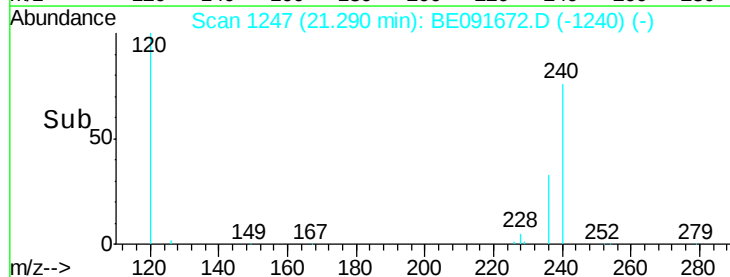
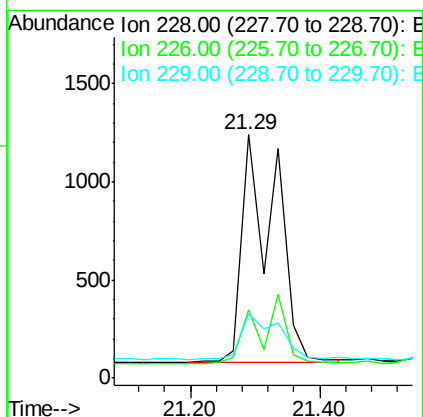
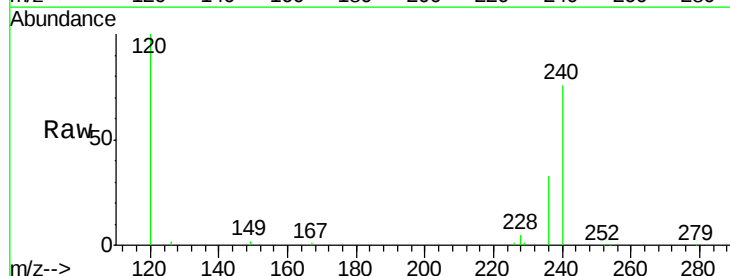
Instrument :
 BNA_E
 ClientSampled :
 BCR05

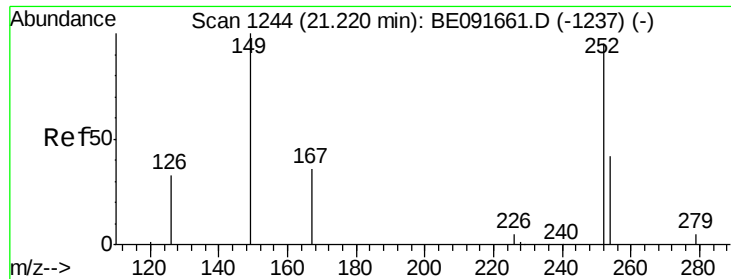
Tgt Ion: 252 Resp: 130
 Ion Ratio Lower Upper
 252 100
 254 78.3 51.1 76.7#
 126 109.4 12.6 18.8#



#32
 Chrysene
 Concen: 0.06 ng
 RT: 21.29 min Scan# 1247
 Delta R.T. -0.05 min
 Lab File: BE091672.D
 Acq: 18 Apr 2016 20:24

Tgt Ion: 228 Resp: 4176
 Ion Ratio Lower Upper
 228 100
 226 28.0 24.0 36.0
 229 26.6 15.9 23.9#

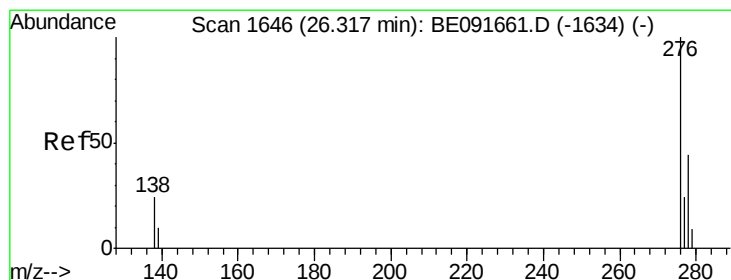
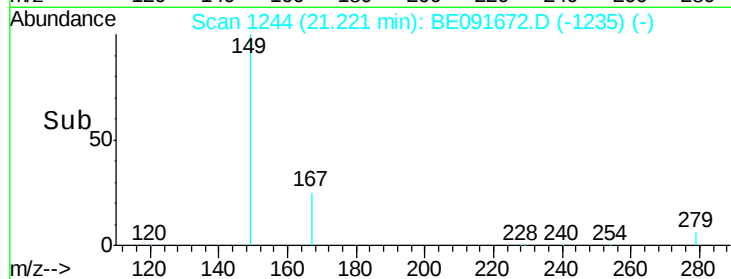
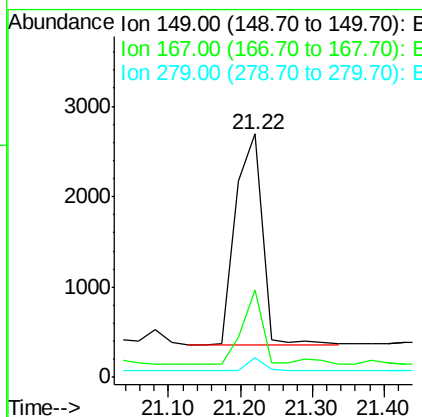
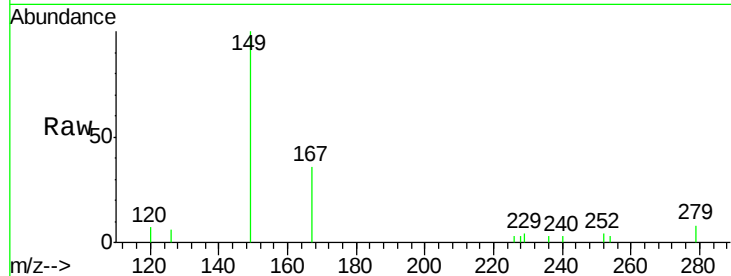




#33
 Bis(2-ethylhexyl)phthalate
 Concen: 0.52 ng
 RT: 21.22 min Scan# 1244
 Delta R.T. 0.00 min
 Lab File: BE091672.D
 Acq: 18 Apr 2016 20:24

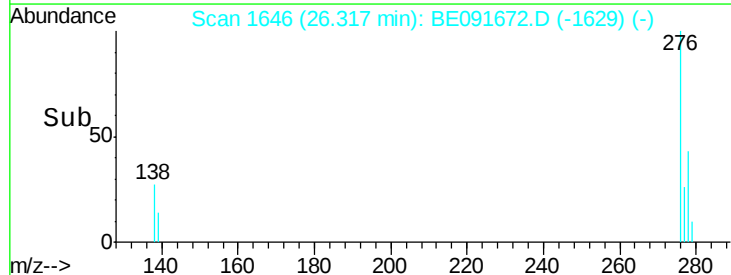
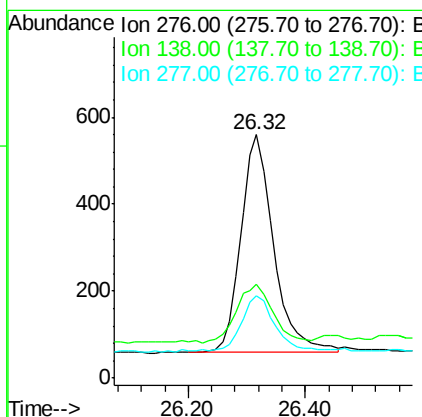
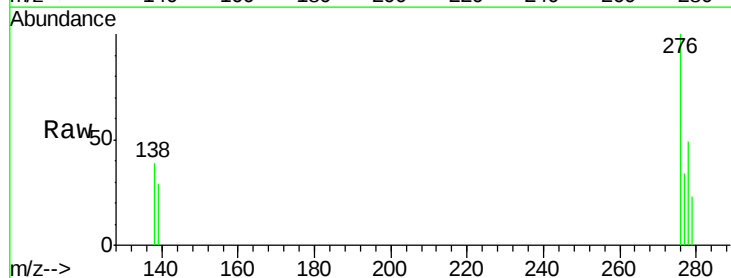
Instrument :
 BNA_E
 ClientSampleId :
 BCR05

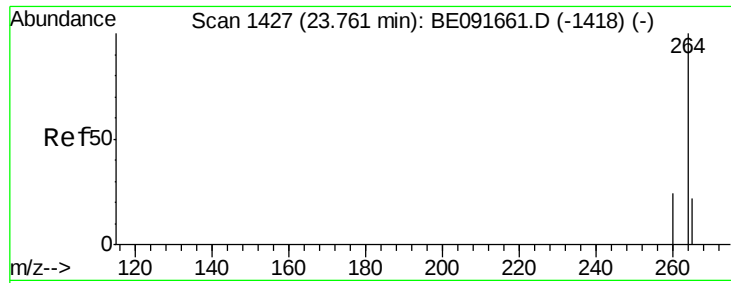
Tgt Ion:149 Resp: 6040
 Ion Ratio Lower Upper
 149 100
 167 26.5 19.5 29.3
 279 4.4 10.0 15.0#



#34
 Indeno(1,2,3-cd)pyrene
 Concen: 0.03 ng
 RT: 26.32 min Scan# 1646
 Delta R.T. -0.00 min
 Lab File: BE091672.D
 Acq: 18 Apr 2016 20:24

Tgt Ion:276 Resp: 1945
 Ion Ratio Lower Upper
 276 100
 138 30.2 23.4 35.2
 277 25.0 19.8 29.8

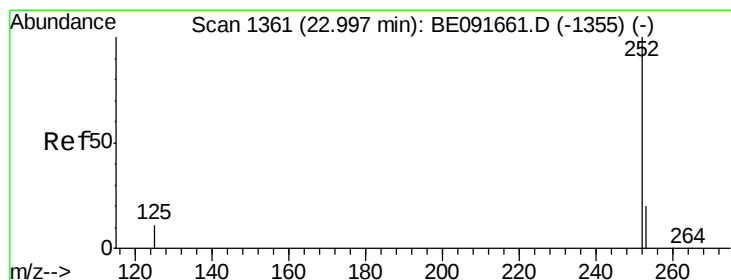
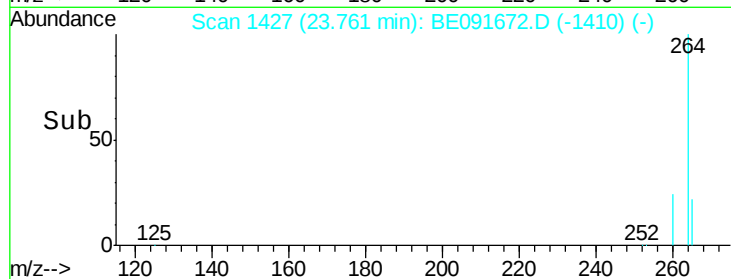
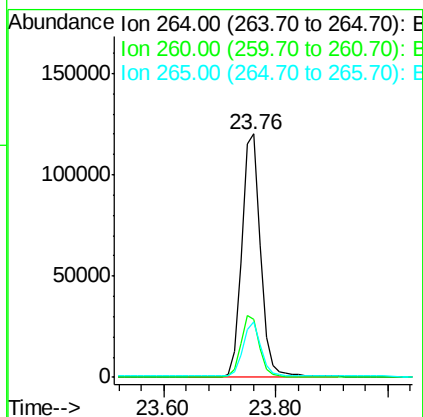
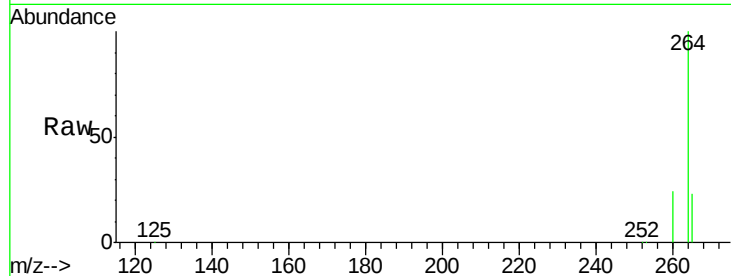




#35
Perylene-d12
 Concen: 5.00 ng
 RT: 23.76 min Scan# 1427
 Delta R.T. 0.00 min
 Lab File: BE091672.D
 Acq: 18 Apr 2016 20:24

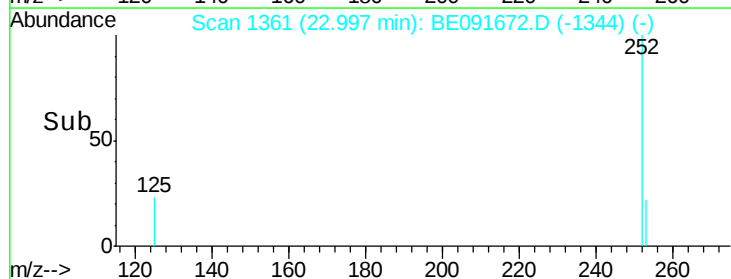
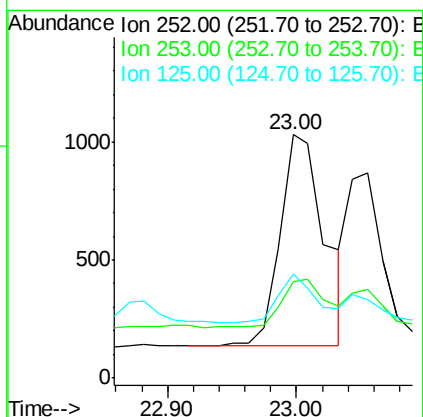
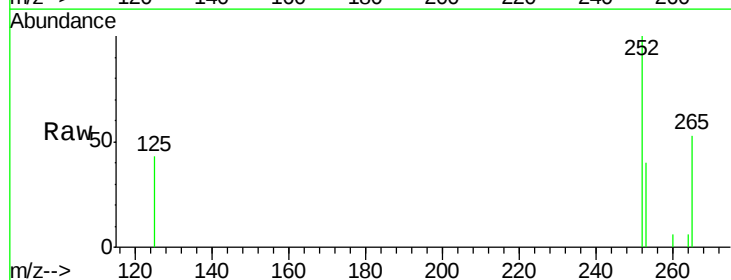
Instrument :
 BNA_E
 ClientSampleId :
 BCR05

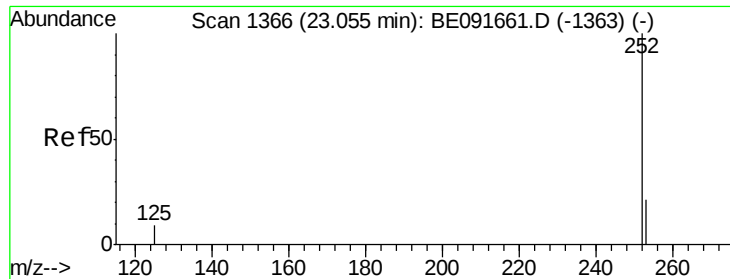
Tgt Ion: 264 Resp: 283273
 Ion Ratio Lower Upper
 264 100
 260 23.9 20.0 30.0
 265 22.7 17.5 26.3



#36
Benzo(b)fluoranthene
 Concen: 0.03 ng
 RT: 23.00 min Scan# 1361
 Delta R.T. 0.00 min
 Lab File: BE091672.D
 Acq: 18 Apr 2016 20:24

Tgt Ion: 252 Resp: 2140
 Ion Ratio Lower Upper
 252 100
 253 39.5 17.4 26.0#
 125 42.9 10.2 15.2#





#37

Benzo(k)fluoranthene

Concen: 0.02 ng

RT: 23.06 min Scan# 1366

Delta R.T. 0.00 min

Lab File: BE091672.D

Acq: 18 Apr 2016 20:24

Instrument :

BNA_E

ClientSampleId :

BCR05

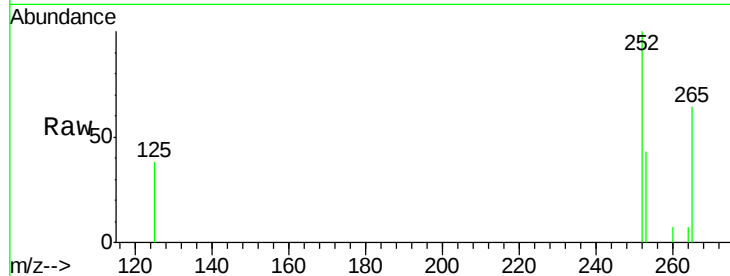
Tgt Ion:252 Resp: 1363

Ion Ratio Lower Upper

252 100

253 43.0 17.6 26.4#

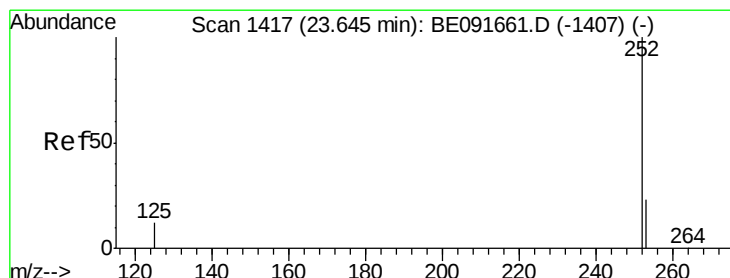
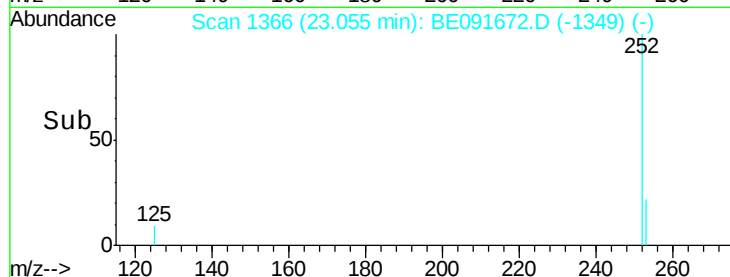
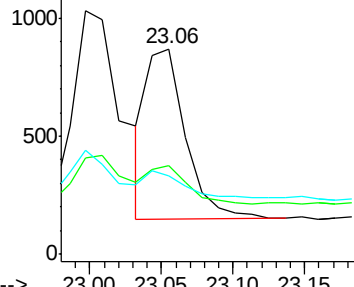
125 38.2 9.9 14.9#



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



#38

Benzo(a)pyrene

Concen: 0.02 ng

RT: 23.65 min Scan# 1417

Delta R.T. 0.00 min

Lab File: BE091672.D

Acq: 18 Apr 2016 20:24

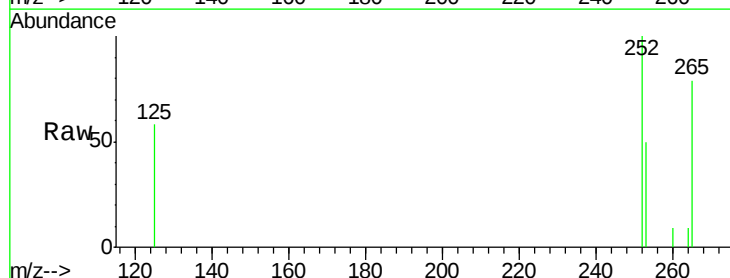
Tgt Ion:252 Resp: 1274

Ion Ratio Lower Upper

252 100

253 49.7 18.1 27.1#

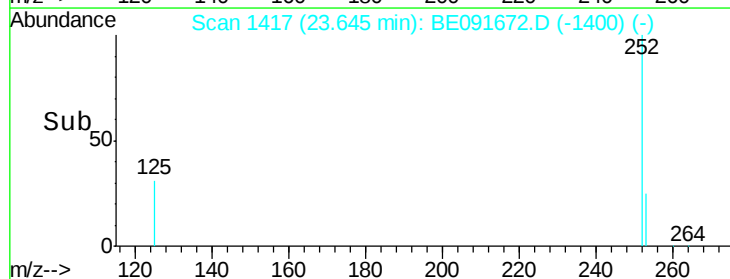
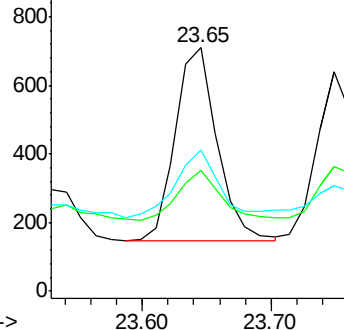
125 58.2 11.0 16.4#

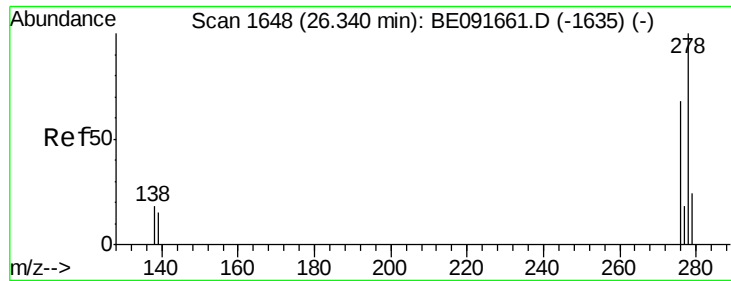


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#39

Dibenzo(a,h)anthracene

Concen: 0.03 ng

RT: 26.34 min Scan# 1648

Delta R.T. -0.00 min

Lab File: BE091672.D

Acq: 18 Apr 2016 20:24

Instrument :

BNA_E

ClientSampleId :

BCR05

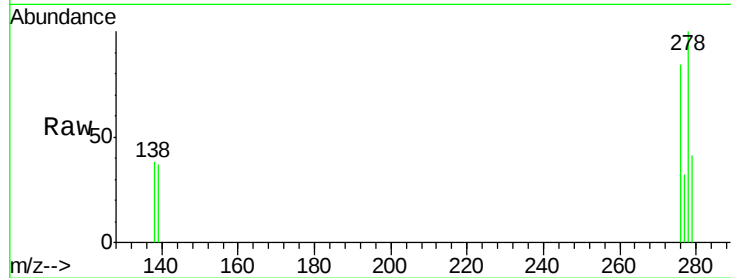
Tgt Ion: 278 Resp: 1497

Ion Ratio Lower Upper

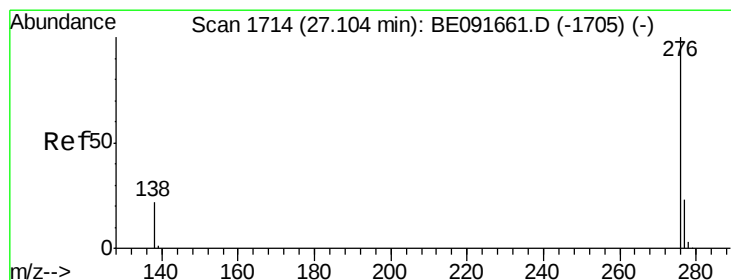
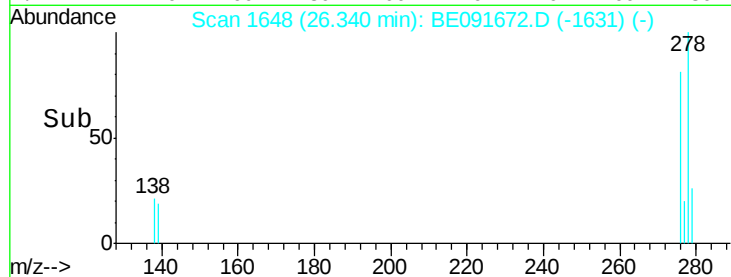
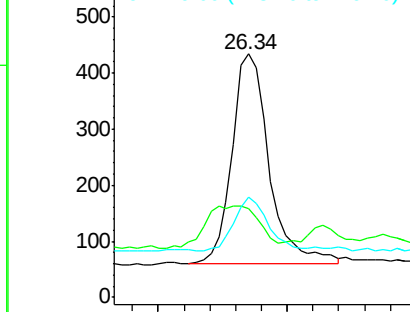
278 100

139 36.6 16.0 24.0#

279 41.0 19.4 29.2#



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



#40

Benzo(g,h,i)perylene

Concen: 0.03 ng

RT: 27.10 min Scan# 1714

Delta R.T. -0.00 min

Lab File: BE091672.D

Acq: 18 Apr 2016 20:24

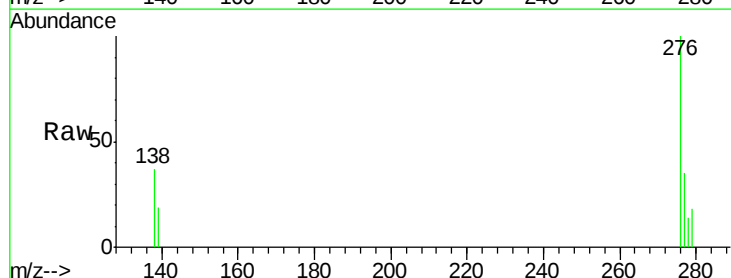
Tgt Ion: 276 Resp: 1594

Ion Ratio Lower Upper

276 100

277 34.7 18.6 28.0#

138 37.1 20.4 30.6#



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

