

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE041816\
 Data File : BE091674.D
 Acq On : 18 Apr 2016 21:38
 Operator : UM/SJ
 Sample : H2563-03
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 BCR07

Quant Time: Apr 19 05:12:00 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	35620	5.00	ng	0.00
7) Naphthalene-d8	10.57	136	174535	5.00	ng	0.00
13) Acenaphthene-d10	14.42	164	106478	5.00	ng	0.00
19) Phenanthrene-d10	17.15	188	263671	5.00	ng	0.00
26) Chrysene-d12	21.31	240	323728	5.00	ng	0.00
35) Perylene-d12	23.75	264	284551	5.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.41	112	19060	2.46	ng	0.00
5) Phenol-d6	6.97	99	15769	1.51	ng	0.00
8) Nitrobenzene-d5	8.96	82	32726	3.66	ng	0.00
14) 2,4,6-Tribromophenol	15.90	330	28773	9.30	ng	-0.01
15) 2-Fluorobiphenyl	13.05	172	107310	3.62	ng	0.00
29) Terphenyl-d14	19.76	244	223887	5.07	ng	0.00

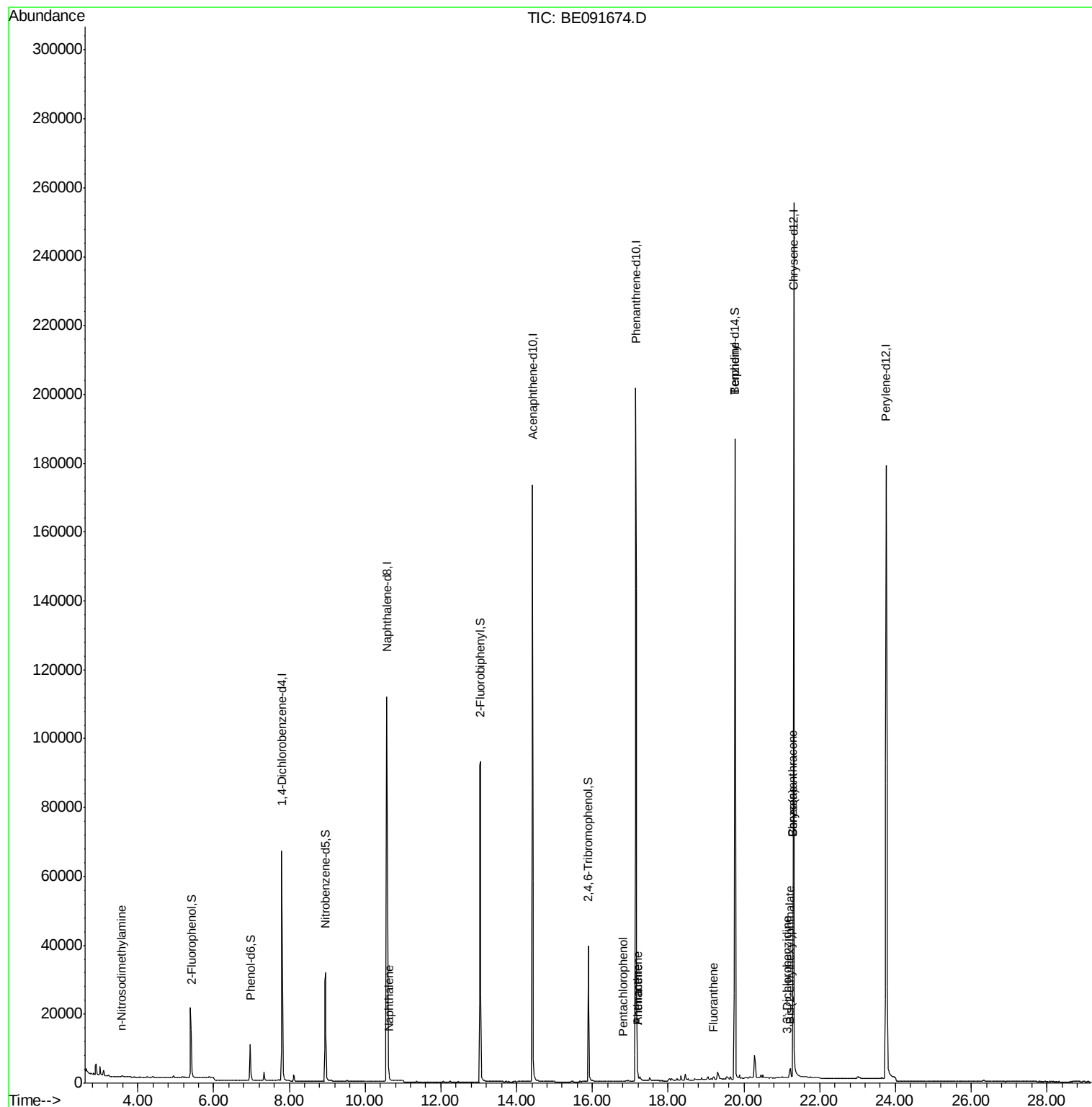
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) n-Nitrosodimethylamine	3.57	42	320	0.06	ng	# 1
10) Naphthalene	10.63	128	900	0.03	ng	# 77
22) Pentachlorophenol	16.81	266	151	0.22	ng	# 82
23) Phenanthrene	17.19	178	1928	0.03	ng	95
24) Anthracene	17.19	178	1928	0.04	ng	99
25) Fluoranthene	19.21	202	1192	0.02	ng	98
27) Benzydine	19.76	184	3746	0.25	ng	97
30) Benzo(a)anthracene	21.29	228	2390	0.03	ng	# 85
31) 3,3'-Dichlorobenzidine	21.15	252	105	0.15	ng	# 51
32) Chrysene	21.29	228	2294	0.03	ng	# 90
33) Bis(2-ethylhexyl)phthalate	21.22	149	5101	0.47	ng	# 91

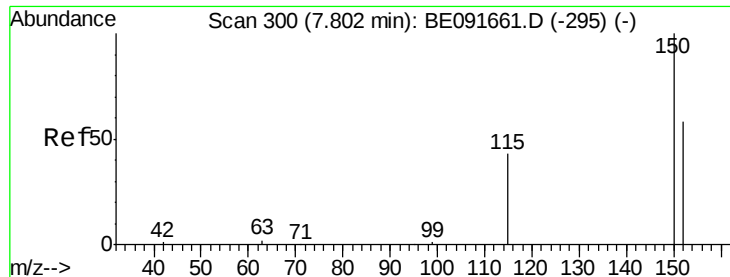
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE091674.D

Acq: 18 Apr 2016 21:38

Instrument :

BNA_E

ClientSampleId :

BCR07

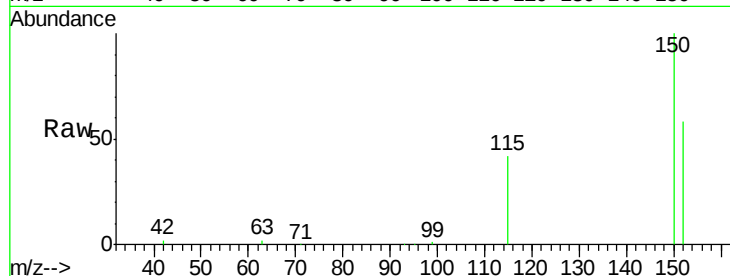
Tgt Ion:152 Resp: 35620

Ion Ratio Lower Upper

152 100

150 172.5 122.6 183.8

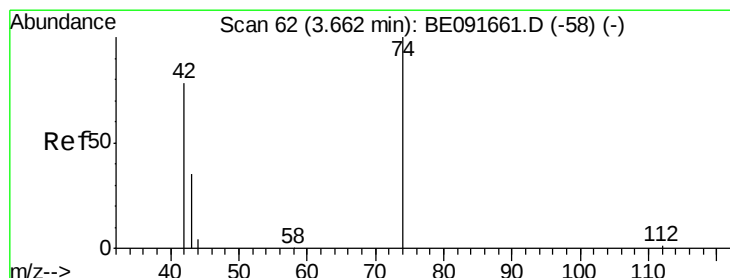
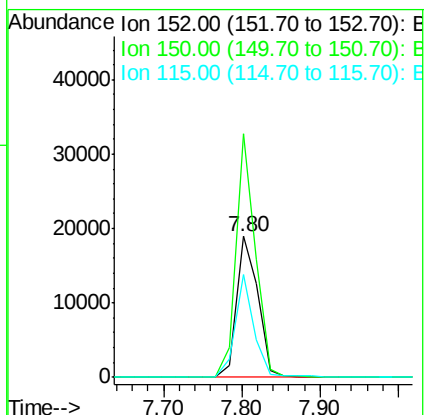
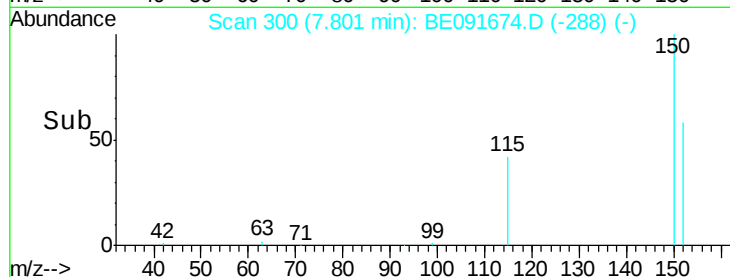
115 73.2 52.8 79.2



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: 0.06 ng

RT: 3.57 min Scan# 57

Delta R.T. -0.09 min

Lab File: BE091674.D

Acq: 18 Apr 2016 21:38

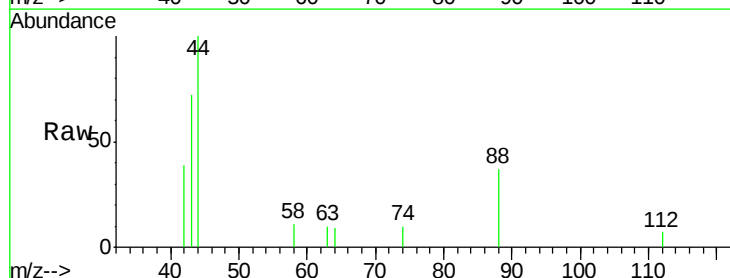
Tgt Ion: 42 Resp: 320

Ion Ratio Lower Upper

42 100

74 0.0 87.9 131.9#

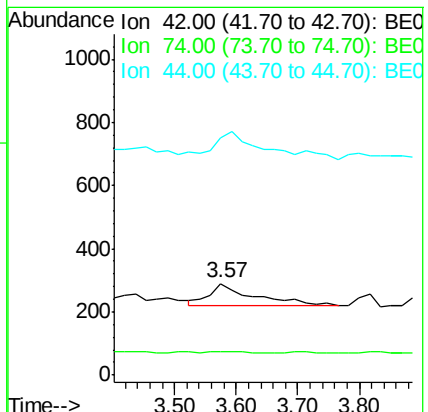
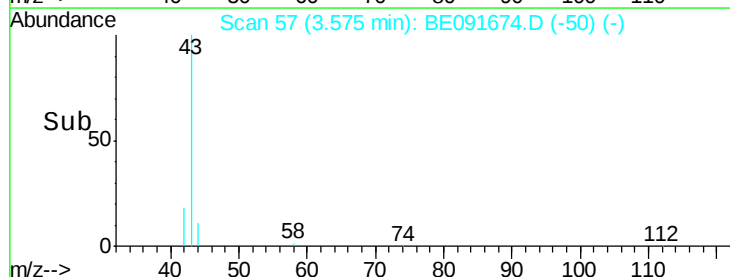
44 77.5 6.6 9.8#

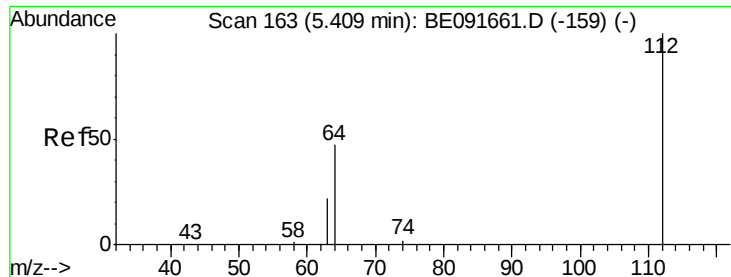


Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0





#4

2-Fluorophenol

Concen: 2.46 ng

RT: 5.41 min Scan# 163

Delta R.T. -0.00 min

Lab File: BE091674.D

Acq: 18 Apr 2016 21:38

Instrument :

BNA_E

ClientSampleId :

BCR07

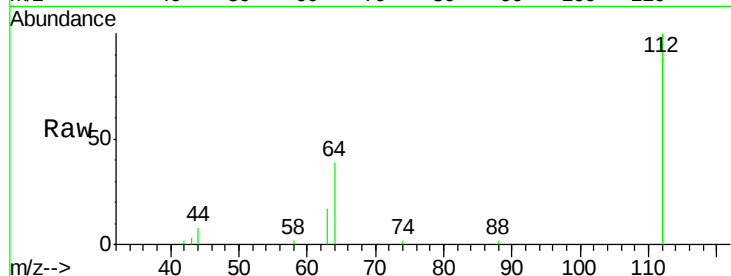
Tgt Ion: 112 Resp: 19060

Ion Ratio Lower Upper

112 100

64 68.2 30.9 46.3#

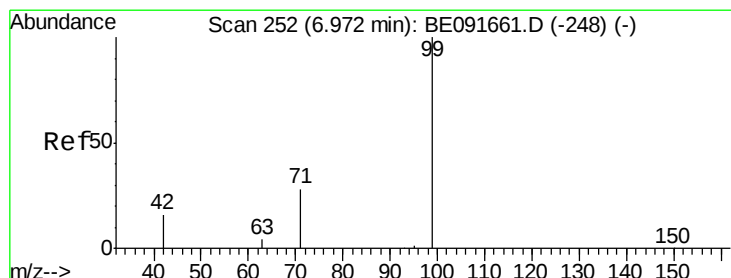
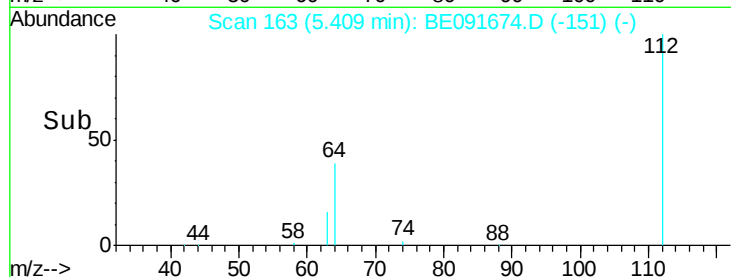
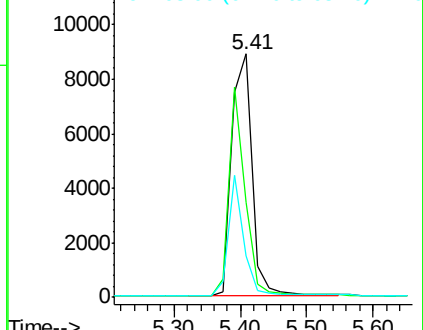
63 37.2 16.7 25.1#



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: 1.51 ng

RT: 6.97 min Scan# 252

Delta R.T. -0.00 min

Lab File: BE091674.D

Acq: 18 Apr 2016 21:38

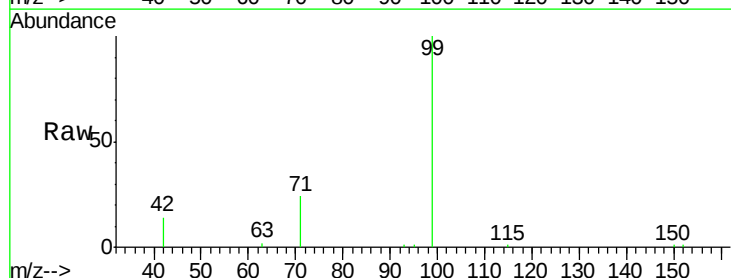
Tgt Ion: 99 Resp: 15769

Ion Ratio Lower Upper

99 100

42 24.9 16.2 24.2#

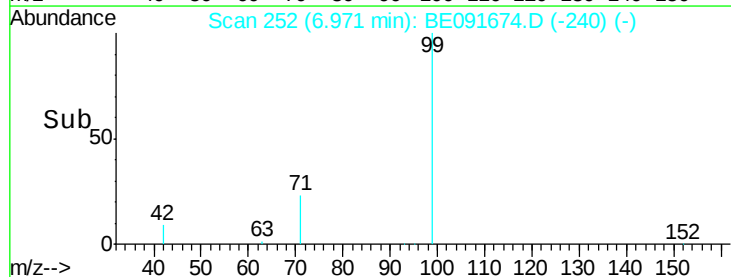
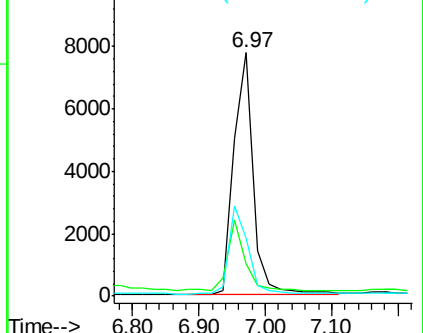
71 35.6 29.0 43.4

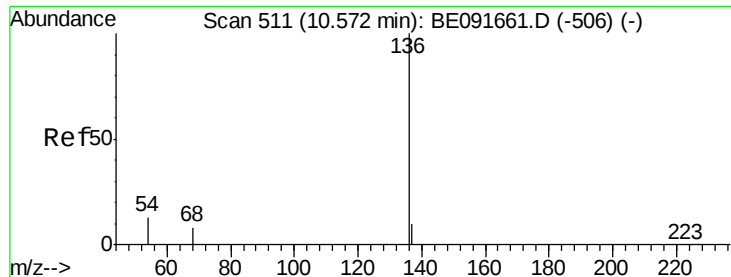


Abundance Ion 99.00 (98.70 to 99.70): BE0

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: BE091674.D

Acq: 18 Apr 2016 21:38

Instrument :

BNA_E

ClientSampleId :

BCR07

Tgt Ion: 136 Resp: 174535

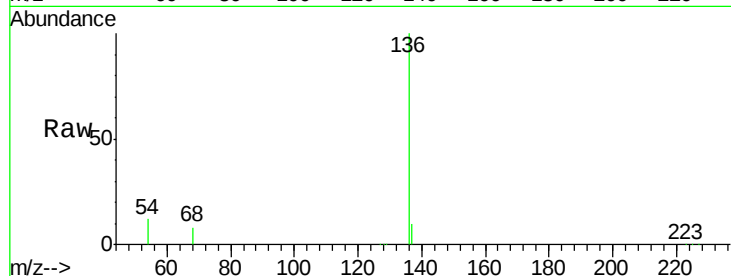
Ion Ratio Lower Upper

136 100

137 10.2 8.9 13.3

54 11.6 8.2 12.4

68 7.9 6.2 9.4

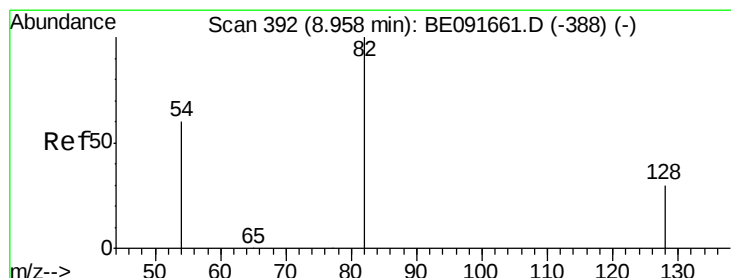
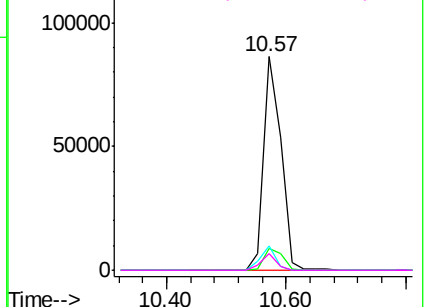
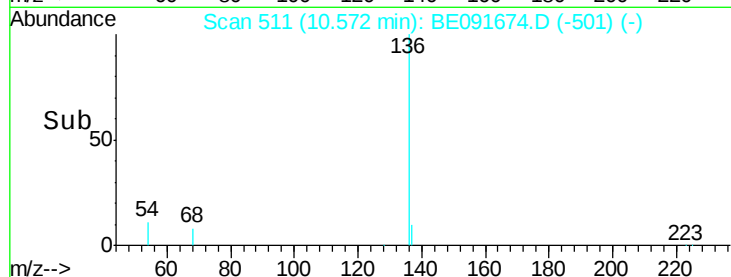


Abundance Ion 136.00 (135.70 to 136.70): E

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: 3.66 ng

RT: 8.96 min Scan# 392

Delta R.T. 0.00 min

Lab File: BE091674.D

Acq: 18 Apr 2016 21:38

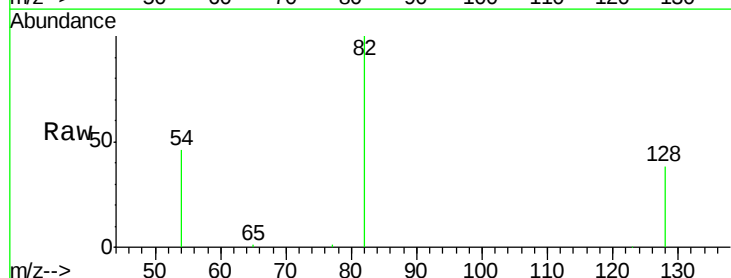
Tgt Ion: 82 Resp: 32726

Ion Ratio Lower Upper

82 100

128 37.9 25.4 38.0

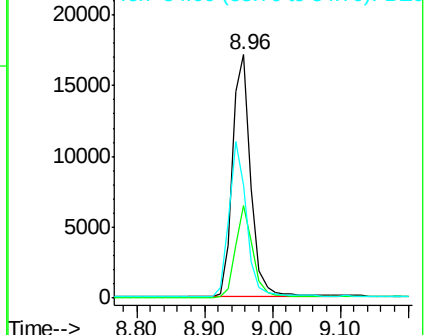
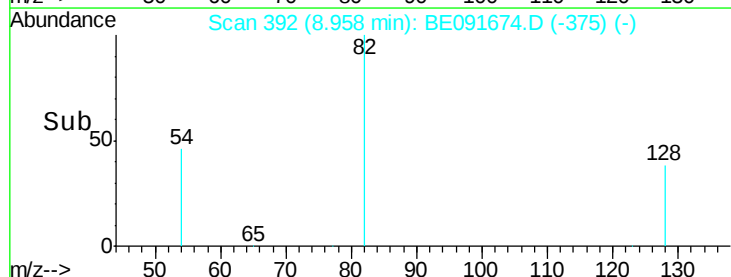
54 46.4 48.4 72.6#

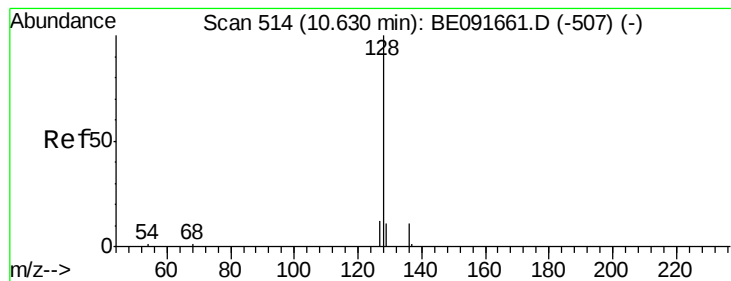


Abundance Ion 82.00 (81.70 to 82.70): BE0

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: BE091674.D

Acq: 18 Apr 2016 21:38

Instrument :

BNA_E

ClientSampleId :

BCR07

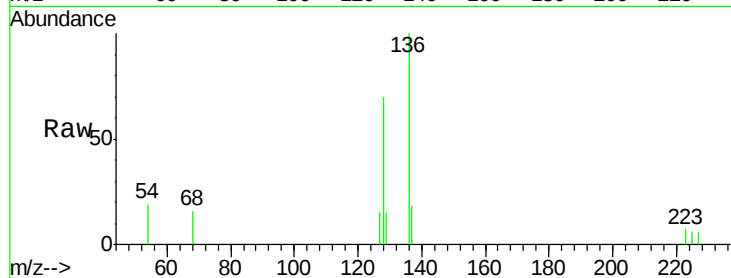
Tgt Ion:128 Resp: 900

Ion Ratio Lower Upper

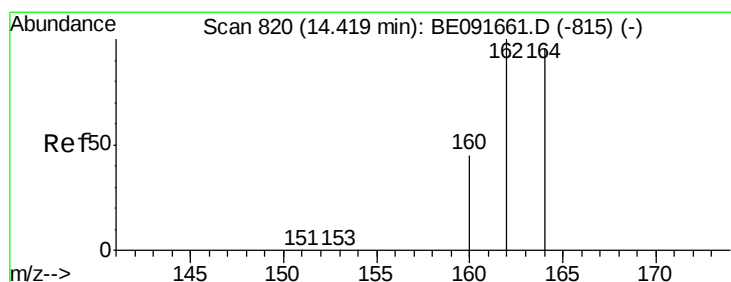
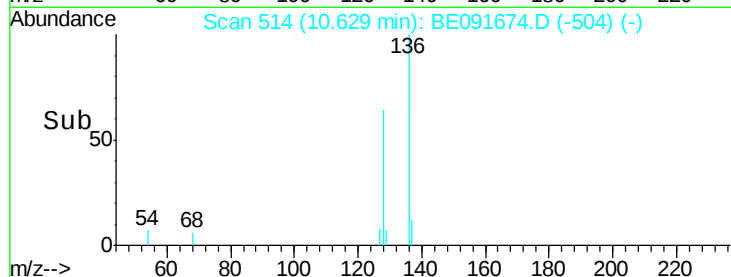
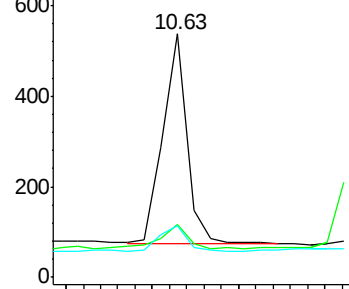
128 100

129 21.9 9.3 13.9#

127 21.2 10.7 16.1#



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.42 min Scan# 820

Delta R.T. -0.00 min

Lab File: BE091674.D

Acq: 18 Apr 2016 21:38

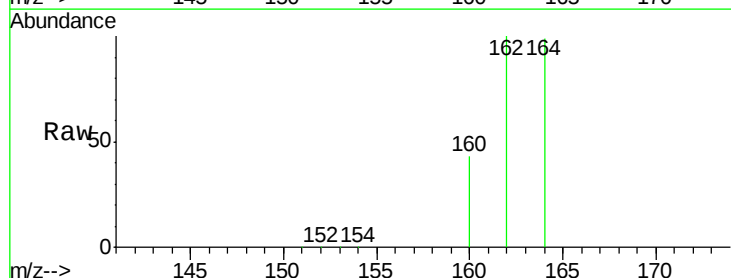
Tgt Ion:164 Resp: 106478

Ion Ratio Lower Upper

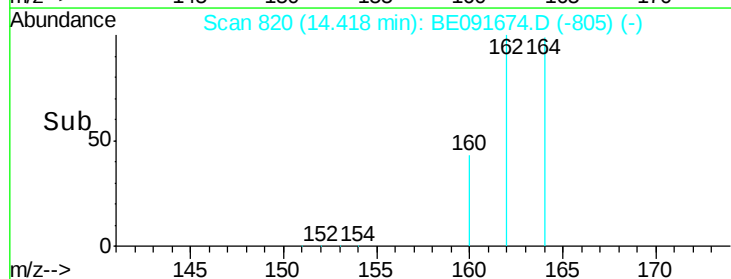
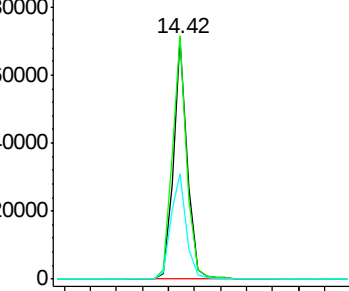
164 100

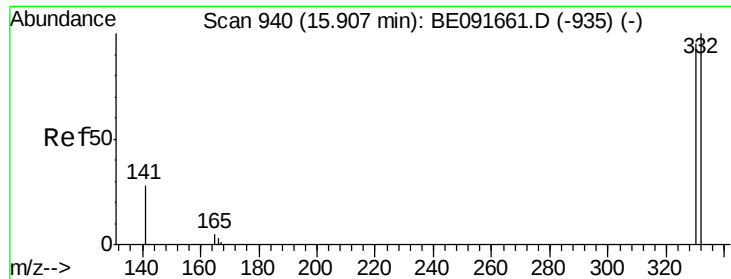
162 101.2 85.3 127.9

160 43.8 46.2 69.2#



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

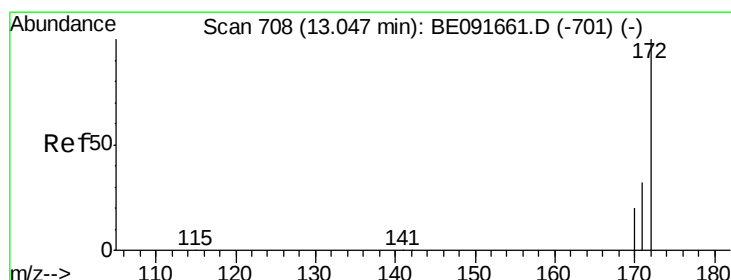
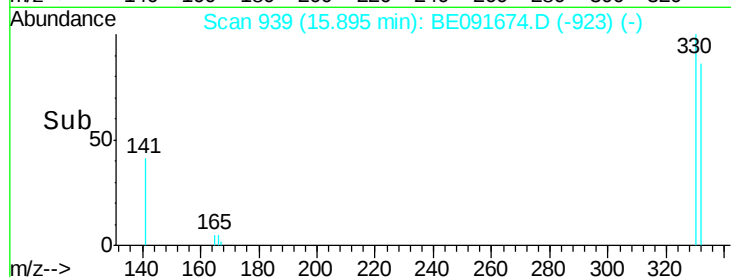
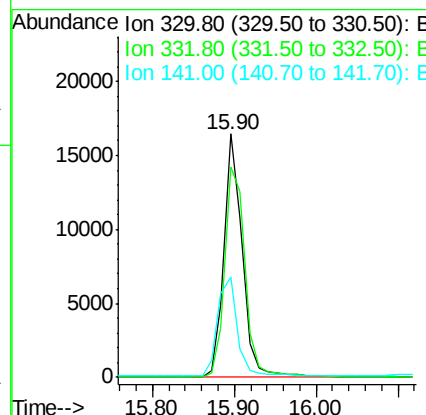
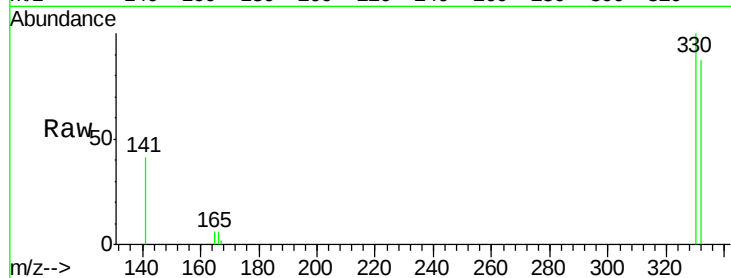




#14
 2,4,6-Tribromophenol
 Concen: 9.30 ng
 RT: 15.90 min Scan# 939
 Delta R.T. -0.01 min
 Lab File: BE091674.D
 Acq: 18 Apr 2016 21:38

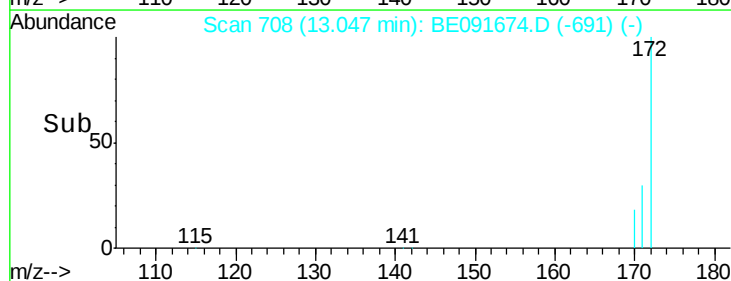
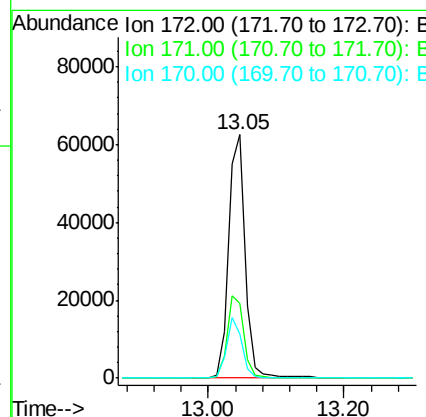
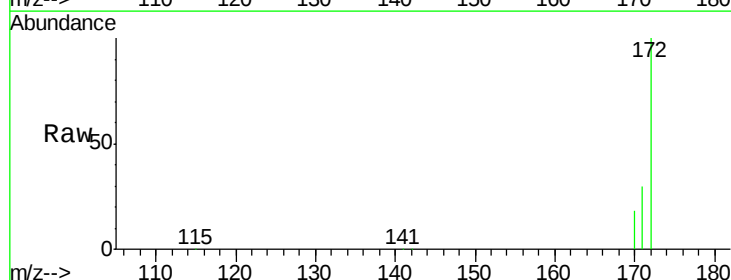
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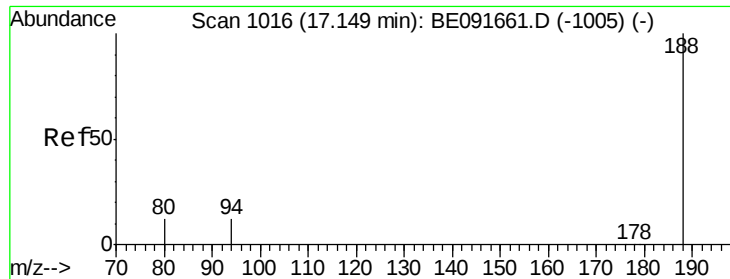
Tgt Ion:330 Resp: 28773
 Ion Ratio Lower Upper
 330 100
 332 95.9 79.1 118.7
 141 43.7 125.4 188.0#



#15
 2-Fluorobiphenyl
 Concen: 3.62 ng
 RT: 13.05 min Scan# 708
 Delta R.T. -0.00 min
 Lab File: BE091674.D
 Acq: 18 Apr 2016 21:38

Tgt Ion:172 Resp: 107310
 Ion Ratio Lower Upper
 172 100
 171 30.5 28.8 43.2
 170 18.2 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: BE091674.D

Acq: 18 Apr 2016 21:38

Instrument :

BNA_E

ClientSampleId :

BCR07

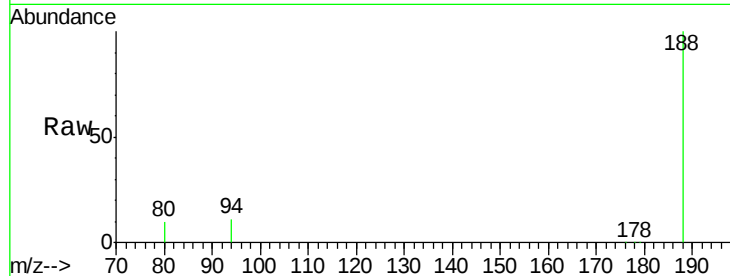
Tgt Ion:188 Resp: 263671

Ion Ratio Lower Upper

188 100

94 10.6 8.7 13.1

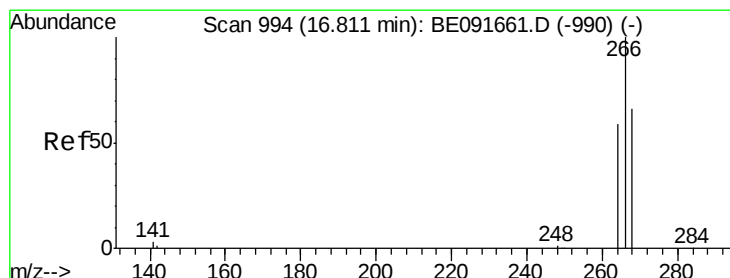
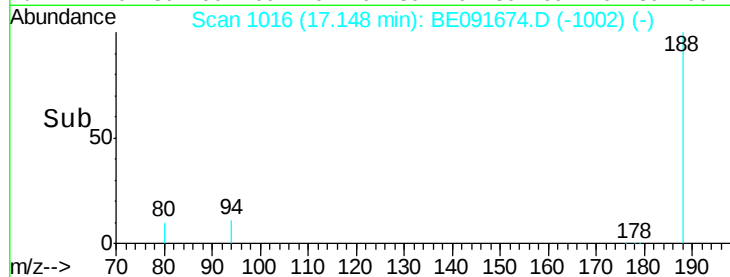
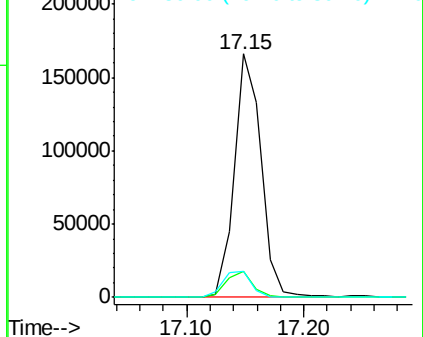
80 10.5 9.4 14.0



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: 0.22 ng

RT: 16.81 min Scan# 994

Delta R.T. 0.00 min

Lab File: BE091674.D

Acq: 18 Apr 2016 21:38

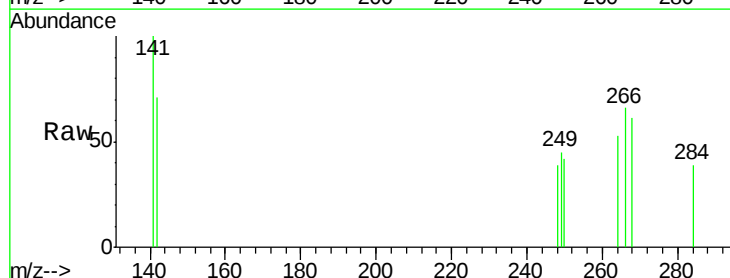
Tgt Ion:266 Resp: 151

Ion Ratio Lower Upper

266 100

268 92.0 58.2 87.2#

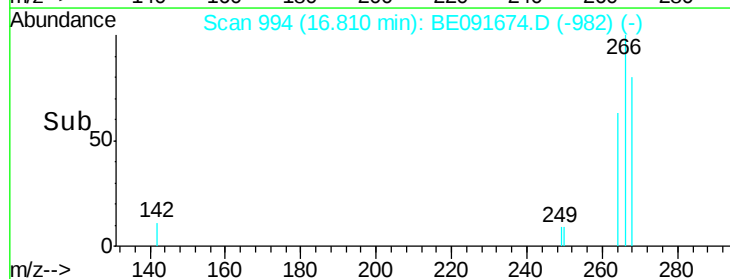
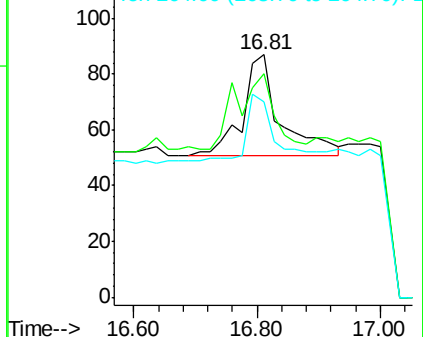
264 80.5 56.2 84.4

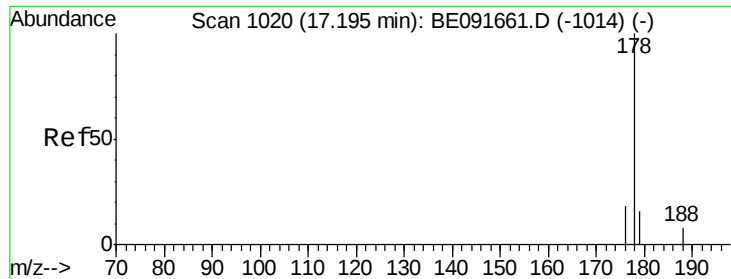


Abundance Ion 265.70 (265.40 to 266.40): E

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: BE091674.D

Acq: 18 Apr 2016 21:38

Instrument :

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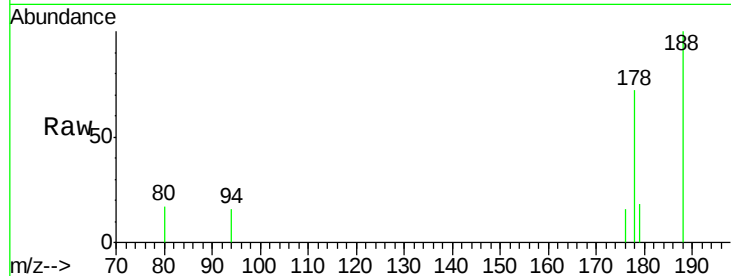
Tgt Ion:178 Resp: 1928

Ion Ratio Lower Upper

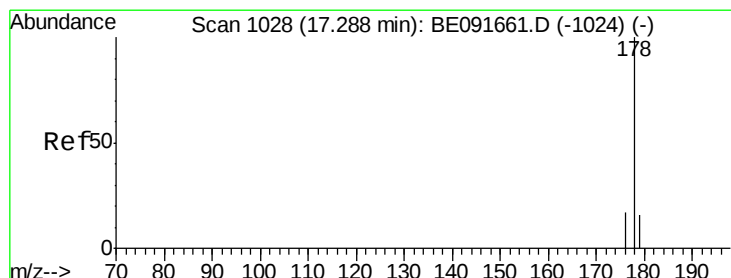
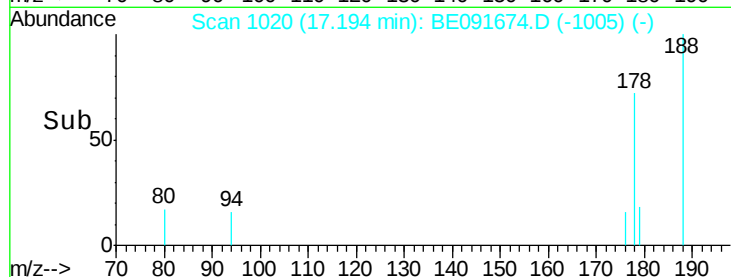
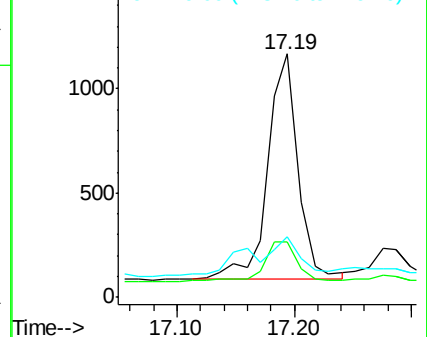
178 100

176 17.6 15.3 22.9

179 12.8 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: 0.04 ng

RT: 17.19 min Scan# 1020

Delta R.T. -0.09 min

Lab File: BE091674.D

Acq: 18 Apr 2016 21:38

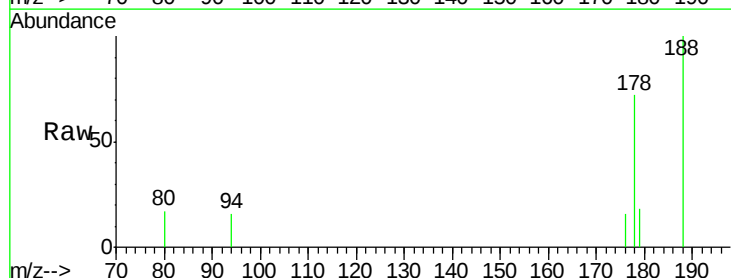
Tgt Ion:178 Resp: 1928

Ion Ratio Lower Upper

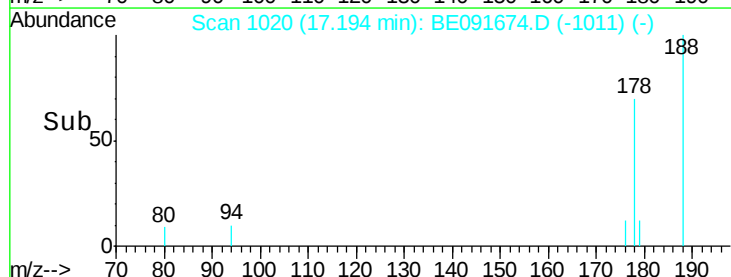
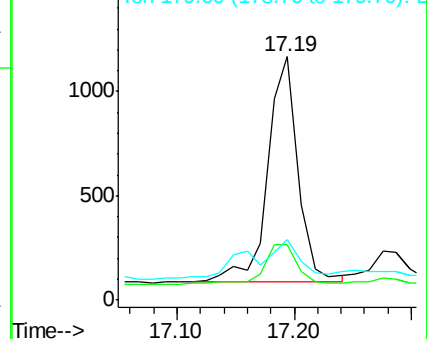
178 100

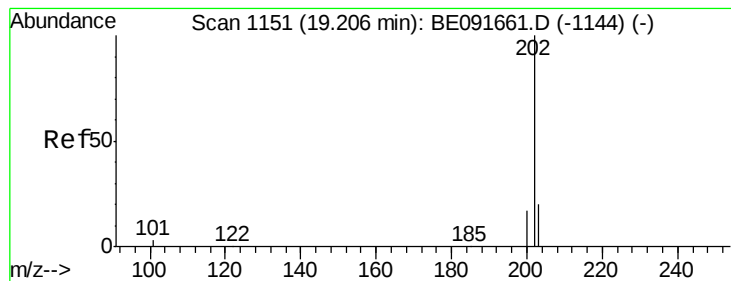
176 18.6 14.6 21.8

179 14.1 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: 0.02 ng

RT: 19.21 min Scan# 1151

Delta R.T. -0.00 min

Lab File: BE091674.D

Acq: 18 Apr 2016 21:38

Instrument :

BNA_E

ClientSampleId :

BCR07

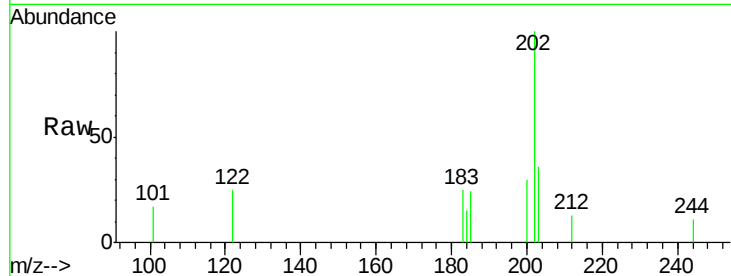
Tgt Ion:202 Resp: 1192

Ion Ratio Lower Upper

202 100

101 12.8 11.0 16.6

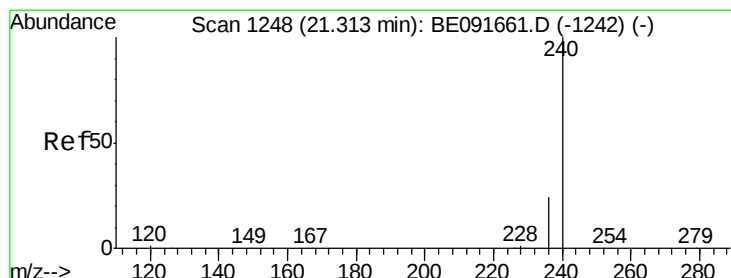
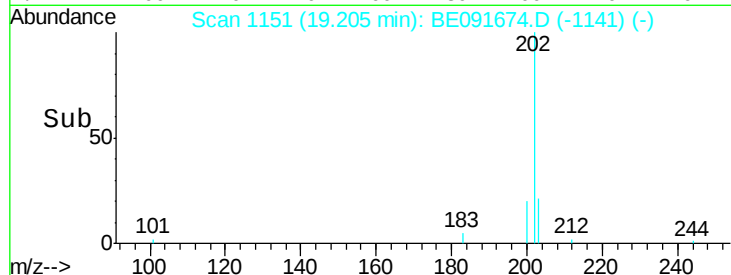
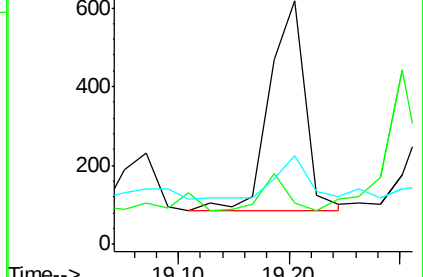
203 16.9 13.9 20.9



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: BE091674.D

Acq: 18 Apr 2016 21:38

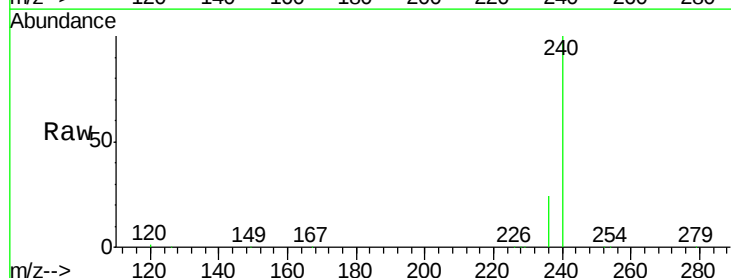
Tgt Ion:240 Resp: 323728

Ion Ratio Lower Upper

240 100

120 1.1 11.0 16.4#

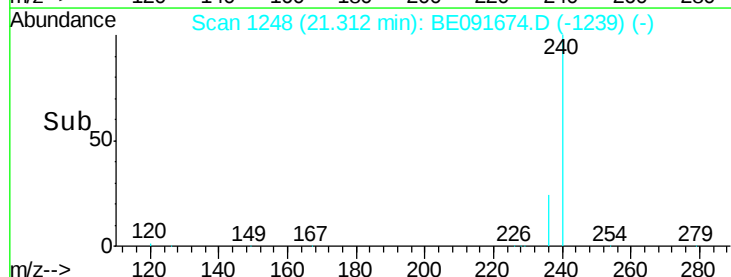
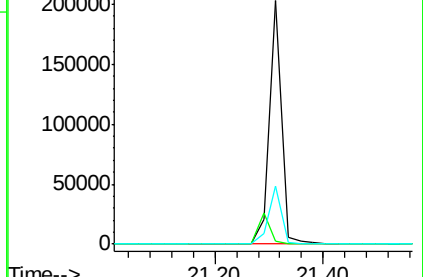
236 23.8 21.7 32.5

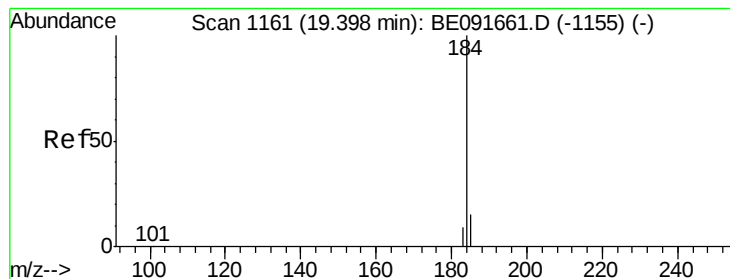


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#27

Benzidine

Concen: 0.25 ng

RT: 19.76 min Scan# 1180

Delta R.T. 0.36 min

Lab File: BE091674.D

Acq: 18 Apr 2016 21:38

Instrument :

BNA_E

ClientSampleId :

BCR07

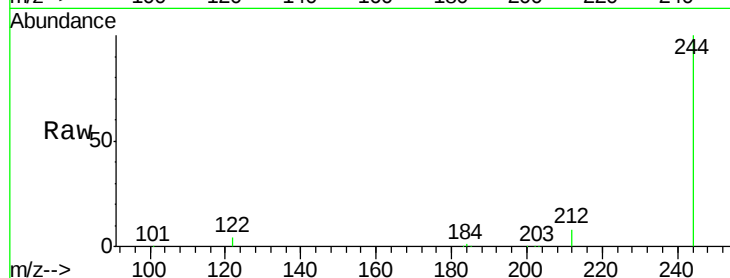
Tgt Ion:184 Resp: 3746

Ion Ratio Lower Upper

184 100

185 28.6 22.3 33.5

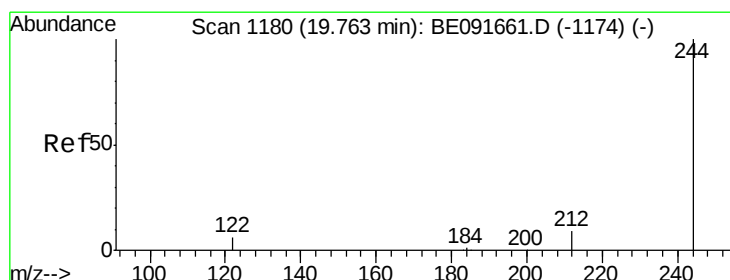
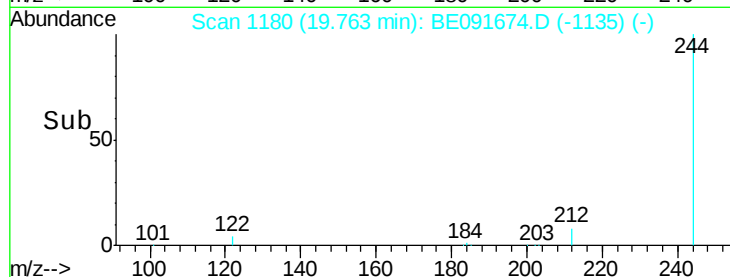
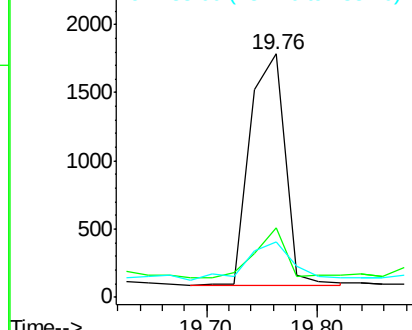
183 22.8 16.4 24.6



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



#29

Terphenyl-d14

Concen: 5.07 ng

RT: 19.76 min Scan# 1180

Delta R.T. -0.00 min

Lab File: BE091674.D

Acq: 18 Apr 2016 21:38

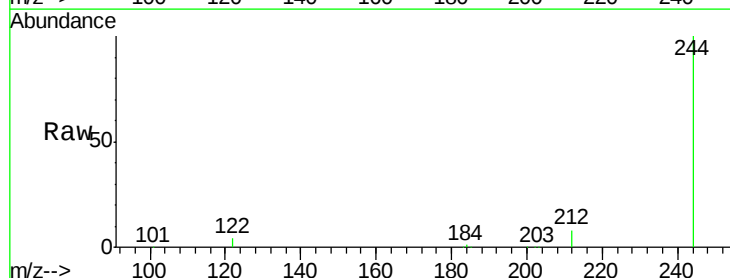
Tgt Ion:244 Resp: 223887

Ion Ratio Lower Upper

244 100

212 8.4 6.9 10.3

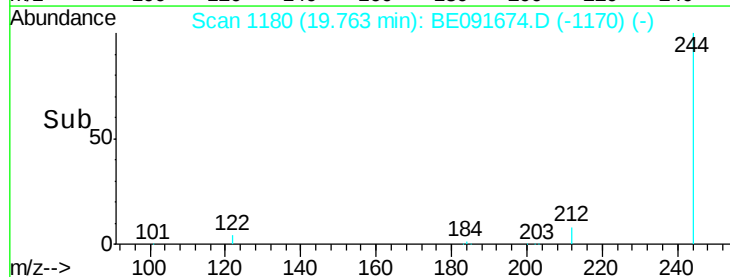
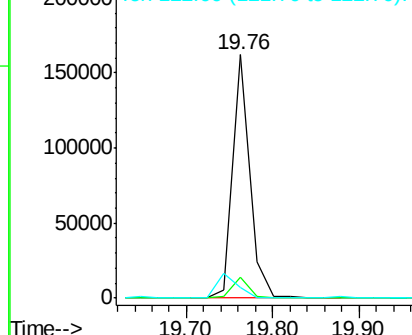
122 4.4 11.0 16.4#

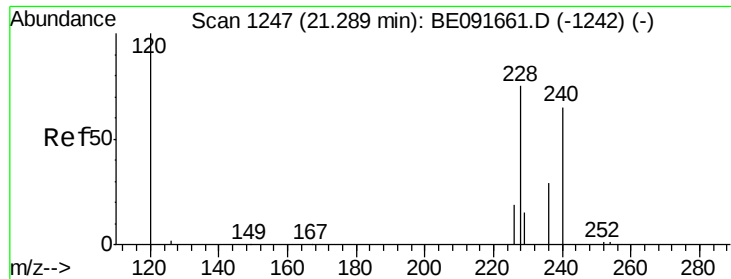


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#30

Benzo(a)anthracene

Concen: 0.03 ng

RT: 21.29 min Scan# 1247

Delta R.T. -0.00 min

Lab File: BE091674.D

Acq: 18 Apr 2016 21:38

Instrument :

BNA_E

ClientSampleId :

BCR07

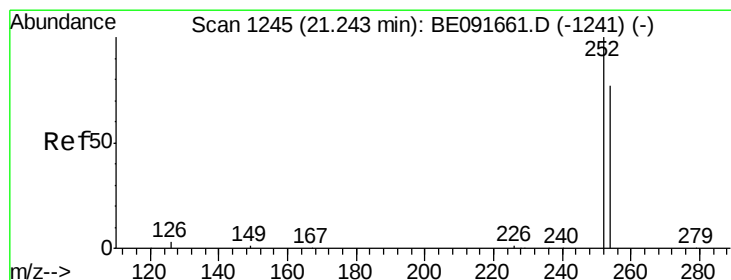
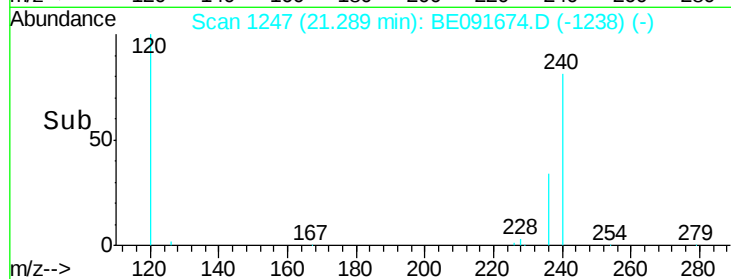
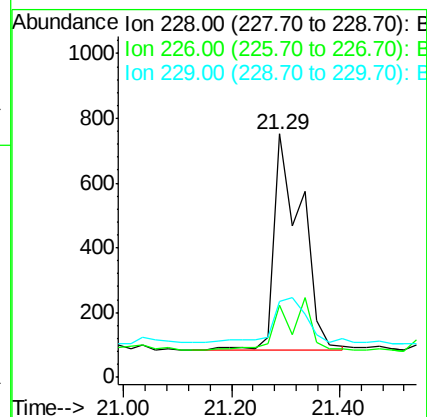
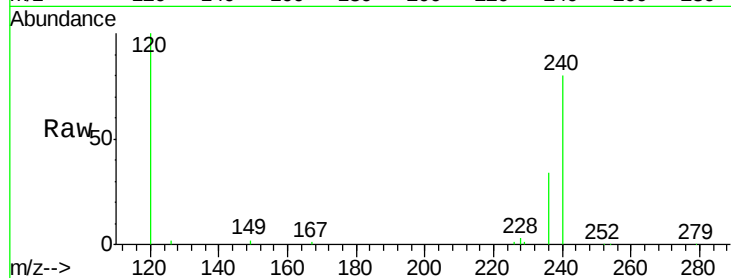
Tgt Ion:228 Resp: 2390

Ion Ratio Lower Upper

228 100

226 29.7 21.0 31.4

229 31.4 15.7 23.5#



#31

3,3'-Dichlorobenzidine

Concen: 0.15 ng

RT: 21.15 min Scan# 1241

Delta R.T. -0.09 min

Lab File: BE091674.D

Acq: 18 Apr 2016 21:38

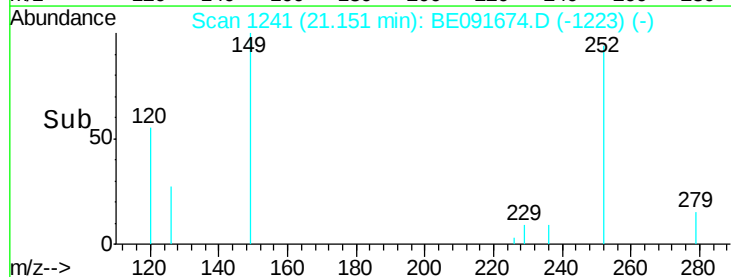
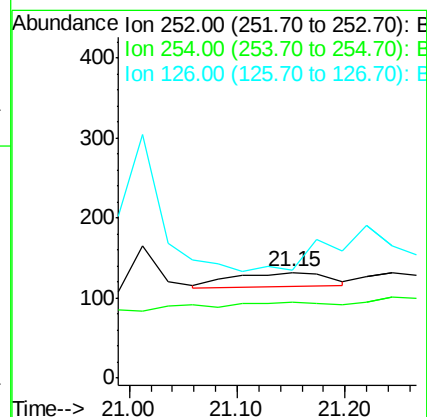
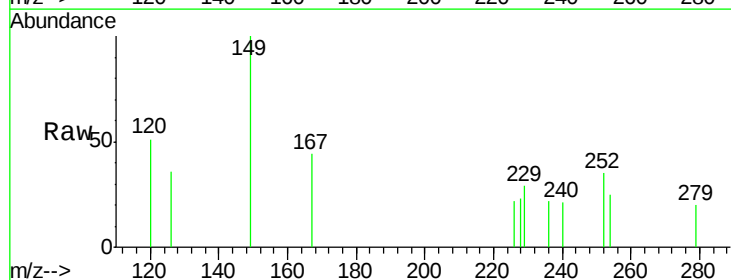
Tgt Ion:252 Resp: 105

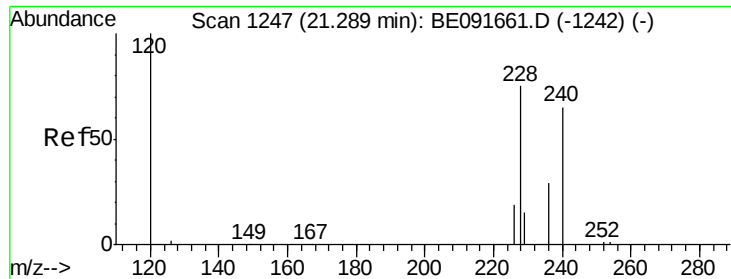
Ion Ratio Lower Upper

252 100

254 72.0 51.1 76.7

126 102.3 12.6 18.8#





#32

Chrysene

Concen: 0.03 ng

RT: 21.29 min Scan# 1247

Delta R.T. -0.05 min

Lab File: BE091674.D

Acq: 18 Apr 2016 21:38

Instrument :

BNA_E

ClientSampleId :

BCR07

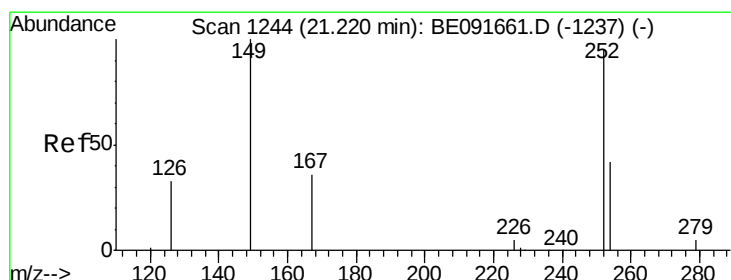
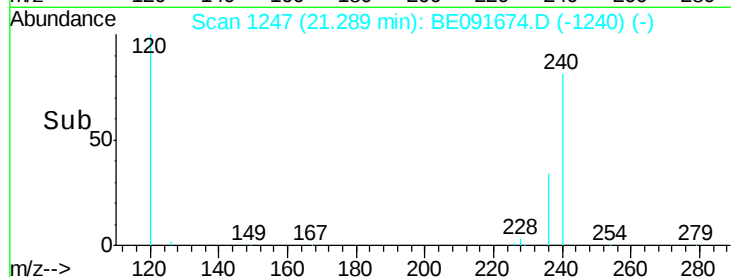
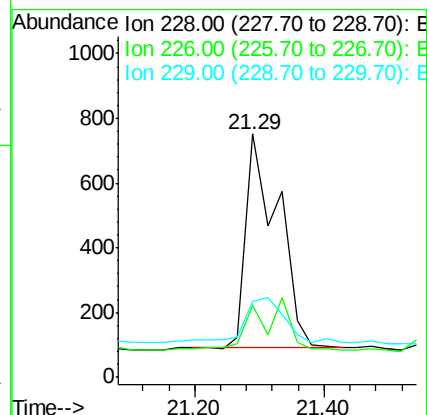
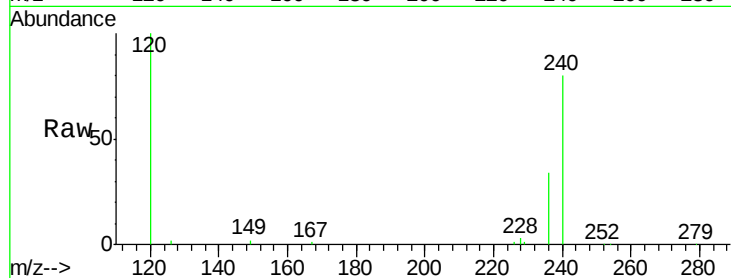
Tgt Ion:228 Resp: 2294

Ion Ratio Lower Upper

228 100

226 29.7 24.0 36.0

229 31.4 15.9 23.9#



#33

Bis(2-ethylhexyl)phthalate

Concen: 0.47 ng

RT: 21.22 min Scan# 1244

Delta R.T. 0.00 min

Lab File: BE091674.D

Acq: 18 Apr 2016 21:38

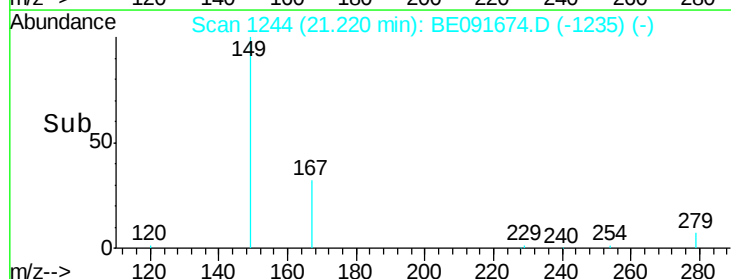
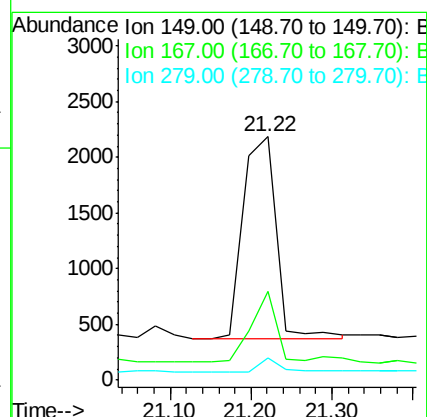
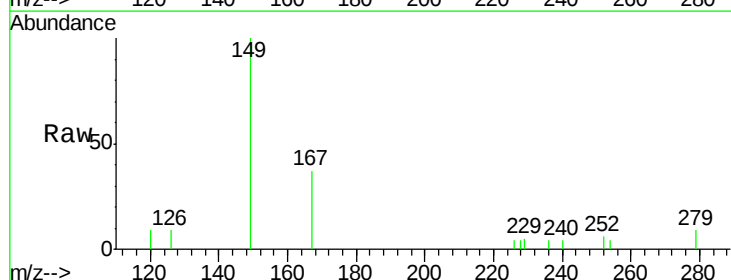
Tgt Ion:149 Resp: 5101

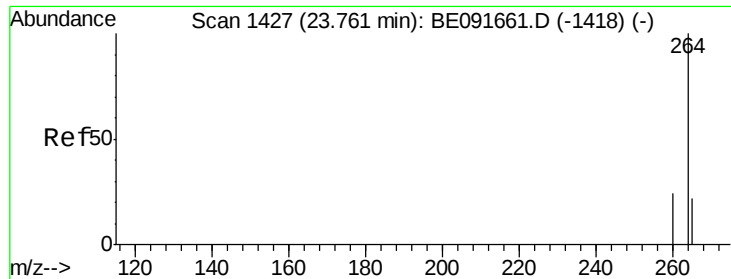
Ion Ratio Lower Upper

149 100

167 25.9 19.5 29.3

279 4.5 10.0 15.0#

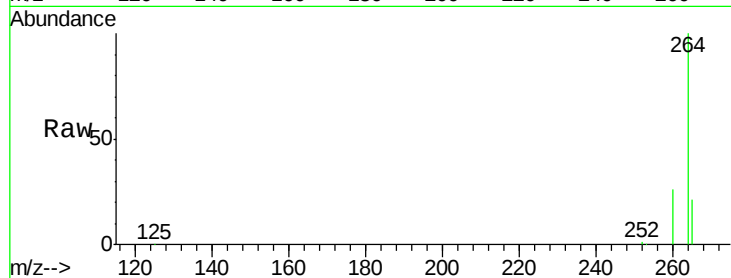




#35
Perylene-d12
Concen: 5.00 ng
RT: 23.75 min Scan# 1426
Delta R.T. -0.01 min
Lab File: BE091674.D
Acq: 18 Apr 2016 21:38

Instrument :
BNA_E
ClientSampleId :
BCR07

Tgt Ion: 264 Resp: 284551
Ion Ratio Lower Upper
264 100
260 26.0 20.0 30.0
265 20.8 17.5 26.3



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

