

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE041816\
 Data File : BE091673.D
 Acq On : 18 Apr 2016 20:59
 Operator : UM/SJ
 Sample : H2563-02
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 BCR06

Quant Time: Apr 19 05:11:43 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

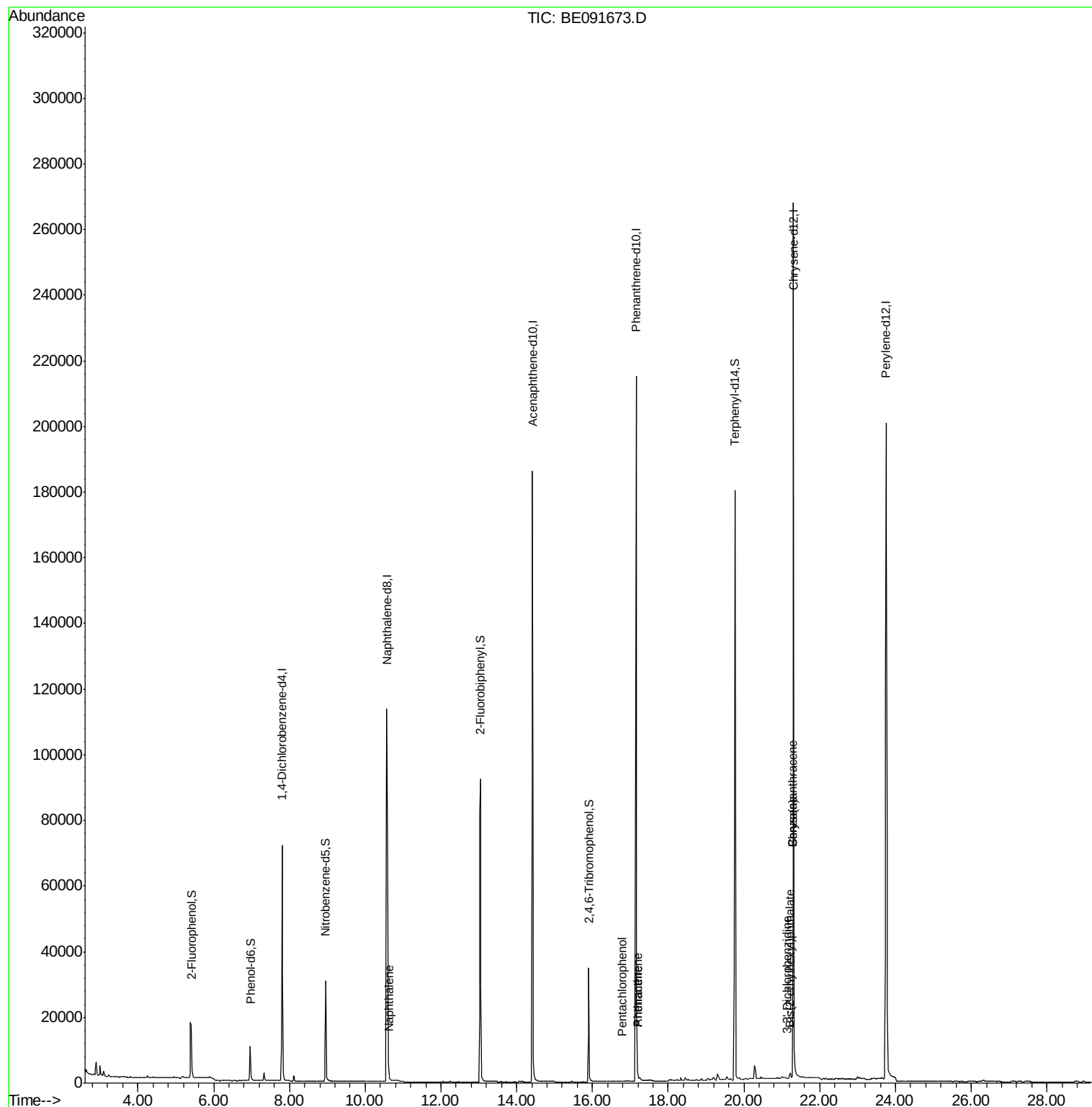
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	37782	5.00	ng	0.00
7) Naphthalene-d8	10.57	136	187812	5.00	ng	0.00
13) Acenaphthene-d10	14.42	164	113439	5.00	ng	0.00
19) Phenanthrene-d10	17.15	188	275659	5.00	ng	0.00
26) Chrysene-d12	21.31	240	336315	5.00	ng	0.00
35) Perylene-d12	23.75	264	304598	5.00	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.41	112	18503	2.25	ng	0.00
5) Phenol-d6	6.97	99	15561	1.40	ng	0.00
8) Nitrobenzene-d5	8.96	82	31698	3.29	ng	0.00
14) 2,4,6-Tribromophenol	15.90	330	25729	7.84	ng	-0.01
15) 2-Fluorobiphenyl	13.05	172	102465	3.24	ng	0.00
29) Terphenyl-d14	19.76	244	211119	4.61	ng	0.00
Target Compounds						Qvalue
10) Naphthalene	10.63	128	1000	0.03	ng	# 79
22) Pentachlorophenol	16.79	266	210	0.24	ng	85
23) Phenanthrene	17.20	178	1626	0.03	ng	# 82
24) Anthracene	17.20	178	1626	0.03	ng	98
30) Benzo(a)anthracene	21.29	228	2585	0.03	ng	# 85
31) 3,3'-Dichlorobenzidine	21.15	252	177	0.15	ng	# 63
32) Chrysene	21.29	228	2543	0.03	ng	# 91
33) Bis(2-ethylhexyl)phthalate	21.22	149	3395	0.37	ng	# 92

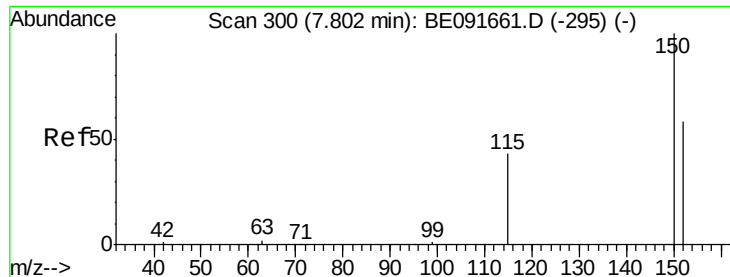
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE091673.D

Acq: 18 Apr 2016 20:59

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BNA_E

ClientSampleId :

BCR06

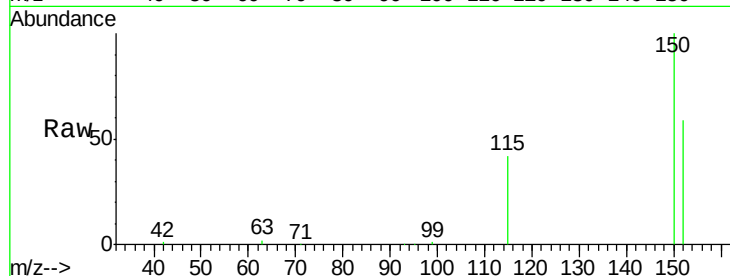
Tgt Ion:152 Resp: 37782

Ion Ratio Lower Upper

152 100

150 170.6 122.6 183.8

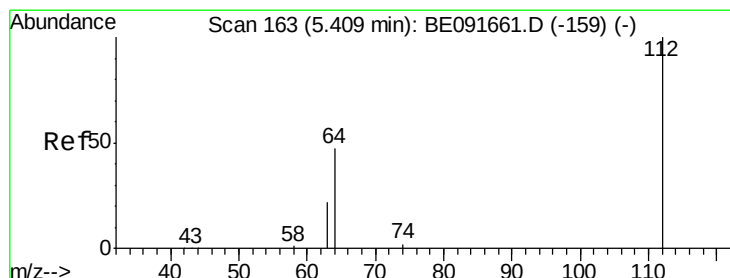
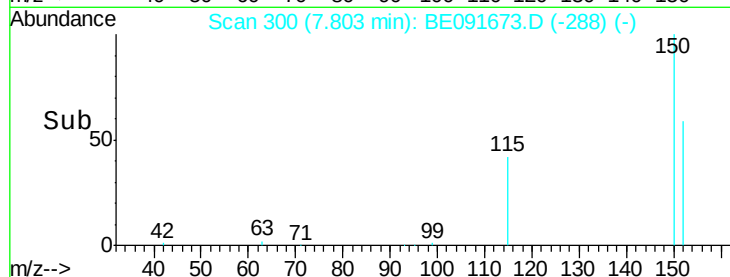
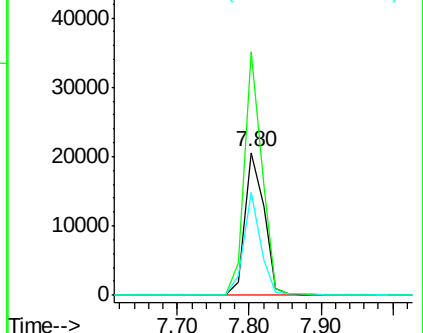
115 72.4 52.8 79.2



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: 2.25 ng

RT: 5.41 min Scan# 163

Delta R.T. -0.00 min

Lab File: BE091673.D

Acq: 18 Apr 2016 20:59

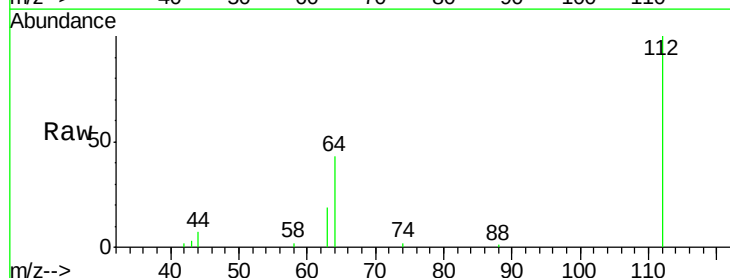
Tgt Ion:112 Resp: 18503

Ion Ratio Lower Upper

112 100

64 67.8 30.9 46.3#

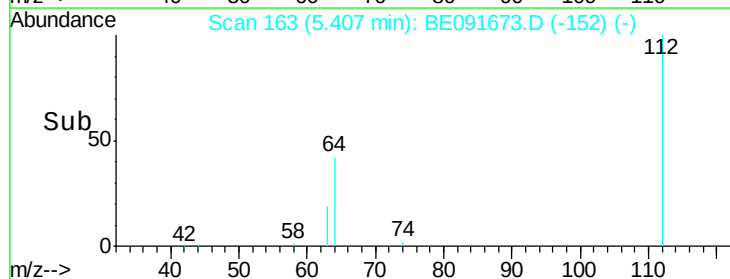
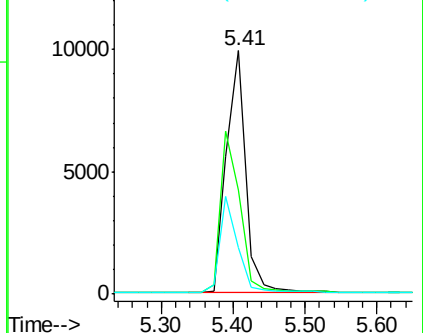
63 36.9 16.7 25.1#

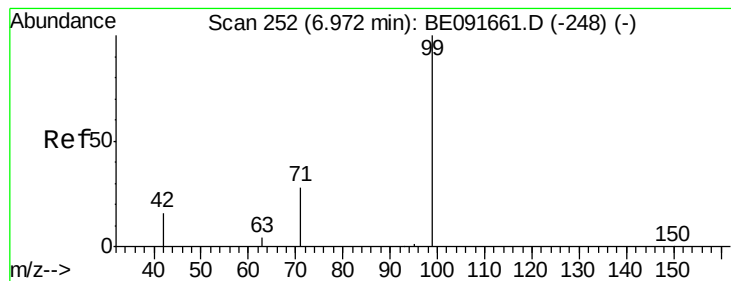


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 1.40 ng

RT: 6.97 min Scan# 252

Delta R.T. 0.00 min

Lab File: BE091673.D

Acq: 18 Apr 2016 20:59

Instrument :

BNA_E

ClientSampleId :

BCR06

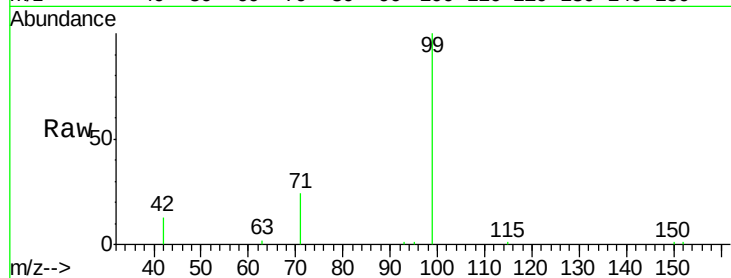
Tgt Ion: 99 Resp: 15561

Ion Ratio Lower Upper

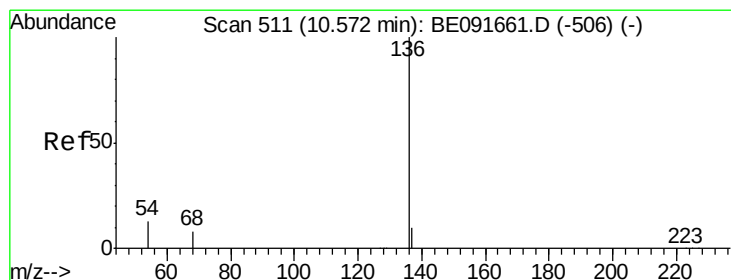
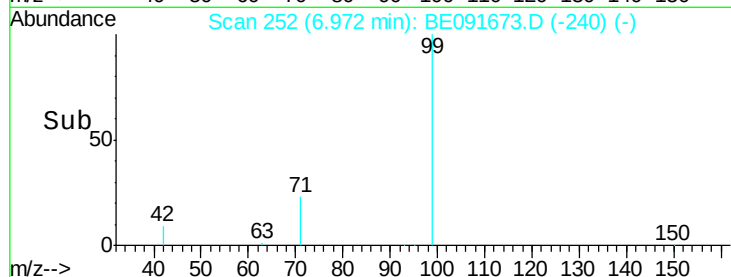
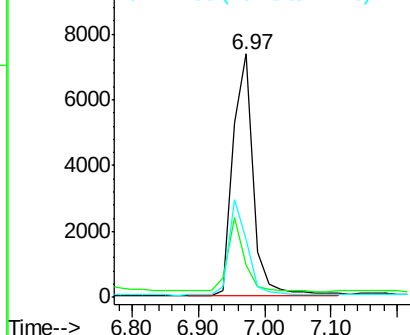
99 100

42 24.5 16.2 24.2#

71 36.2 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: BE091673.D

Acq: 18 Apr 2016 20:59

Tgt Ion: 136 Resp: 187812

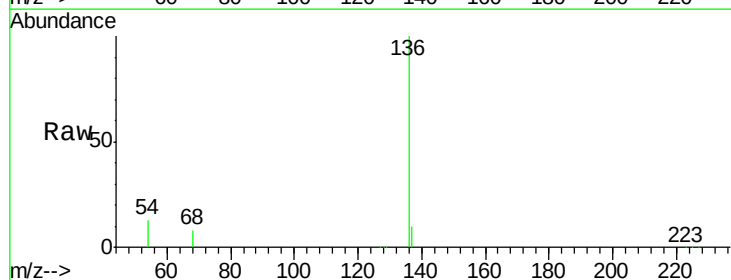
Ion Ratio Lower Upper

136 100

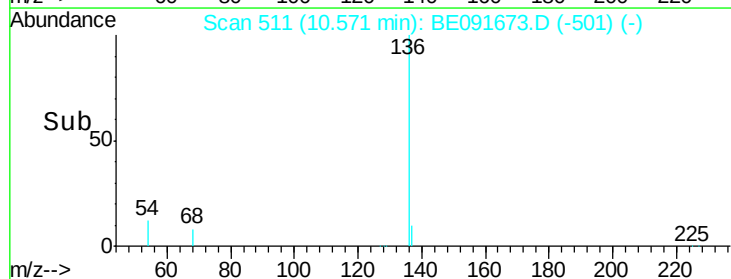
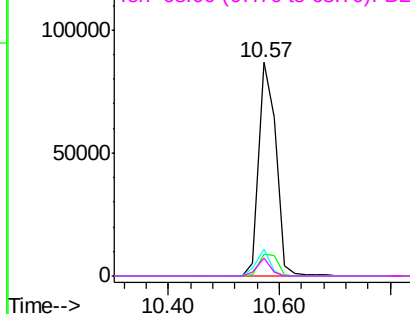
137 10.0 8.9 13.3

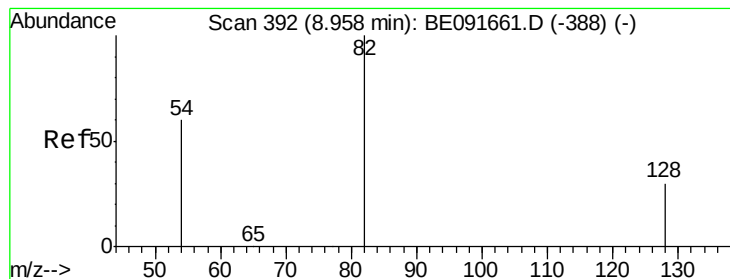
54 12.5 8.2 12.4#

68 8.3 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: 3.29 ng

RT: 8.96 min Scan# 392

Delta R.T. 0.00 min

Lab File: BE091673.D

Acq: 18 Apr 2016 20:59

Instrument :

BNA_E

ClientSampleId :

BCR06

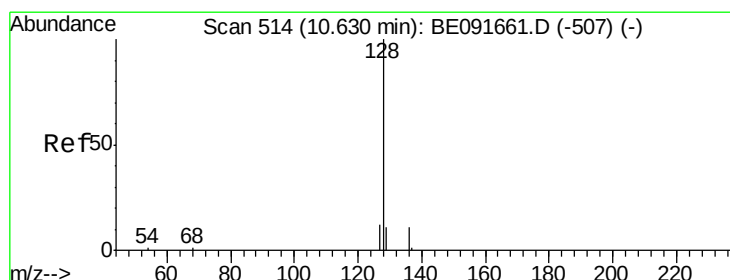
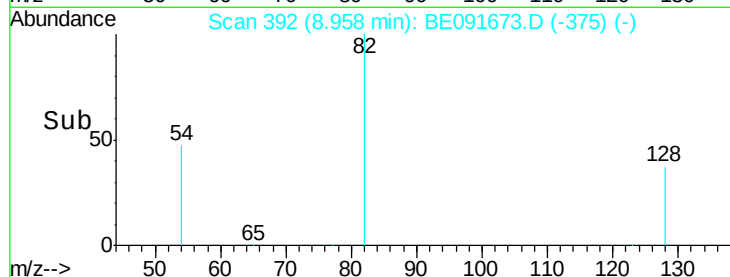
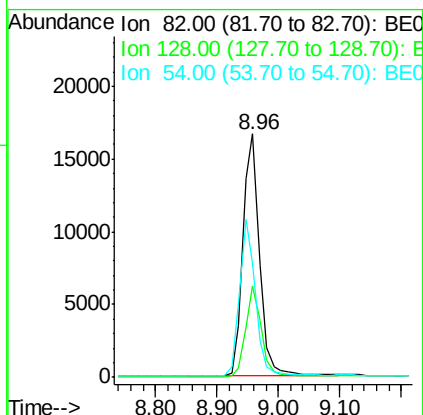
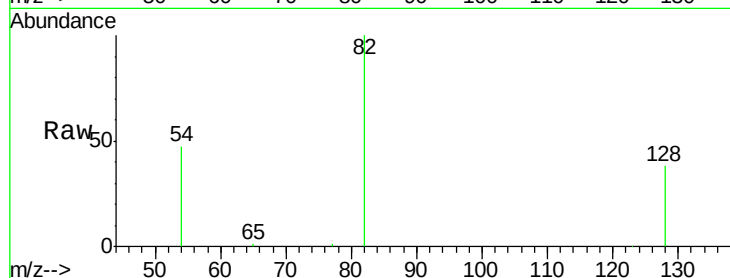
Tgt Ion: 82 Resp: 31698

Ion Ratio Lower Upper

82 100

128 37.5 25.4 38.0

54 47.0 48.4 72.6#



#10

Naphthalene

Concen: 0.03 ng

RT: 10.63 min Scan# 514

Delta R.T. -0.00 min

Lab File: BE091673.D

Acq: 18 Apr 2016 20:59

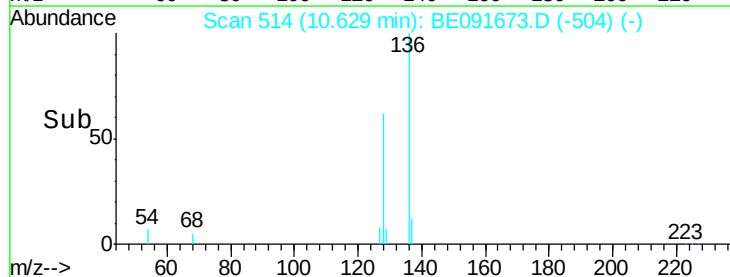
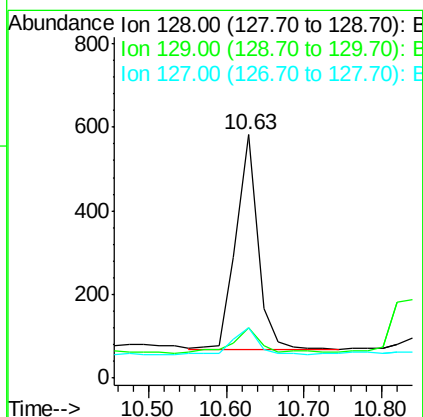
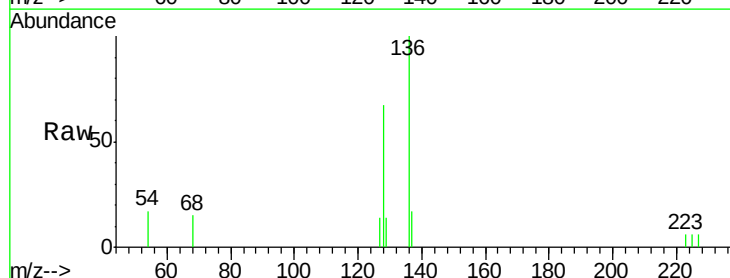
Tgt Ion: 128 Resp: 1000

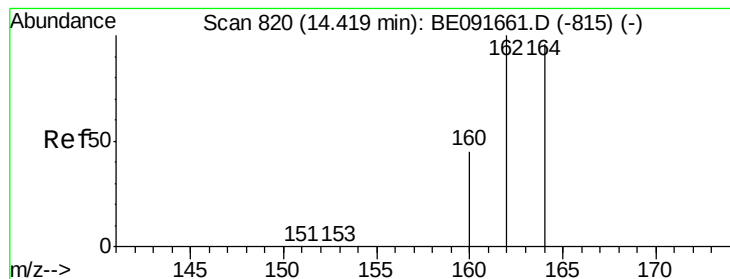
Ion Ratio Lower Upper

128 100

129 20.8 9.3 13.9#

127 20.8 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: BE091673.D

Acq: 18 Apr 2016 20:59

Instrument :

BNA_E

ClientSampleId :

BCR06

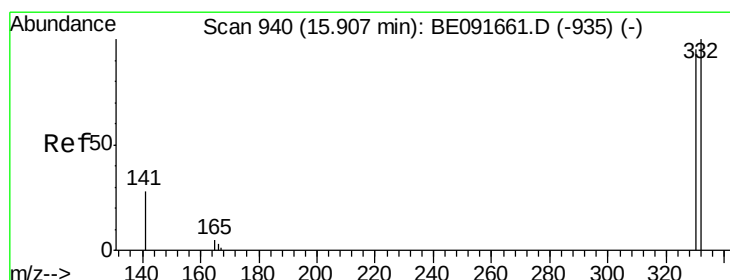
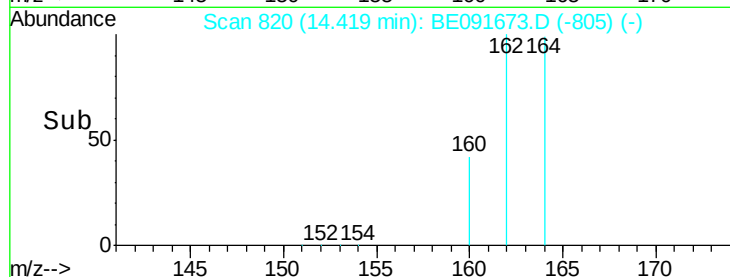
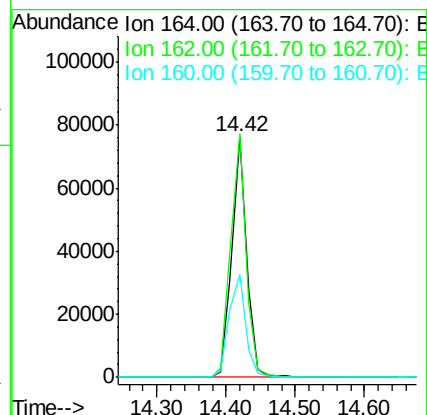
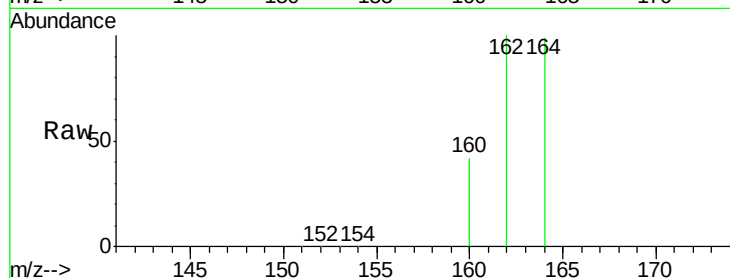
Tgt Ion:164 Resp: 113439

Ion Ratio Lower Upper

164 100

162 101.5 85.3 127.9

160 42.7 46.2 69.2#



#14

2,4,6-Tribromophenol

Concen: 7.84 ng

RT: 15.90 min Scan# 939

Delta R.T. -0.01 min

Lab File: BE091673.D

Acq: 18 Apr 2016 20:59

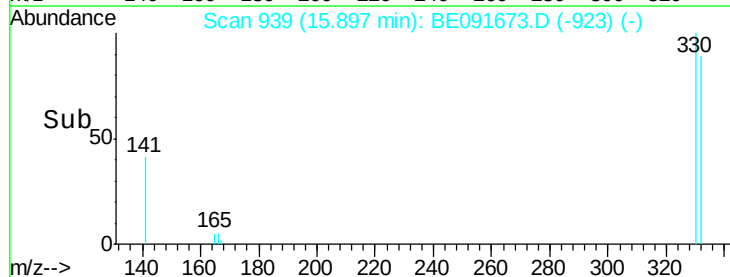
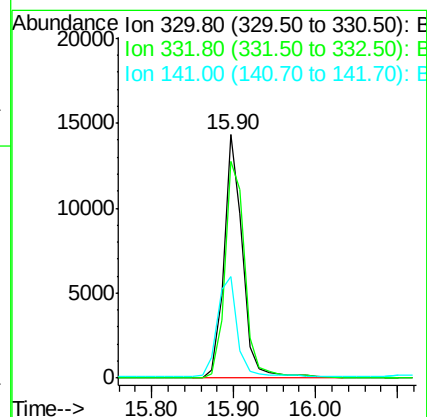
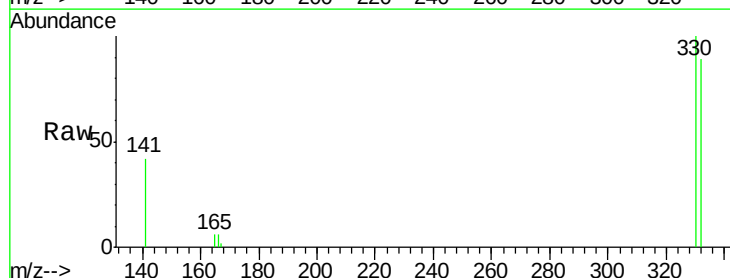
Tgt Ion:330 Resp: 25729

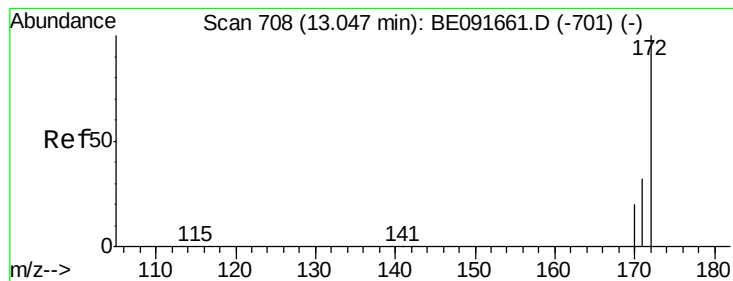
Ion Ratio Lower Upper

330 100

332 96.6 79.1 118.7

141 44.0 125.4 188.0#





#15

2-Fluorobiphenyl

Concen: 3.24 ng

RT: 13.05 min Scan# 708

Delta R.T. -0.00 min

Lab File: BE091673.D

Acq: 18 Apr 2016 20:59

Instrument :

BNA_E

ClientSampleId :

BCR06

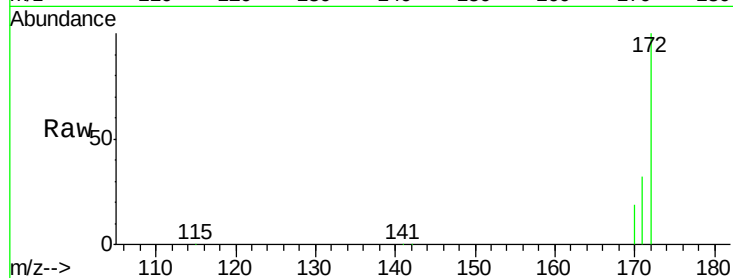
Tgt Ion:172 Resp: 102465

Ion Ratio Lower Upper

172 100

171 32.0 28.8 43.2

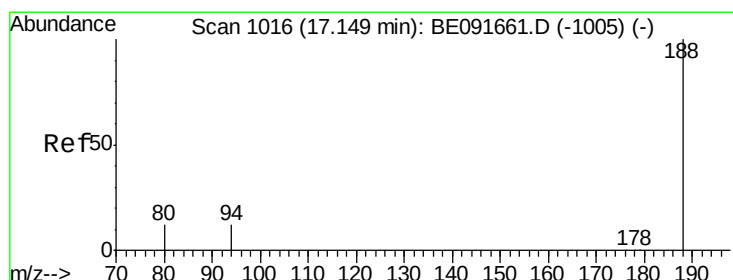
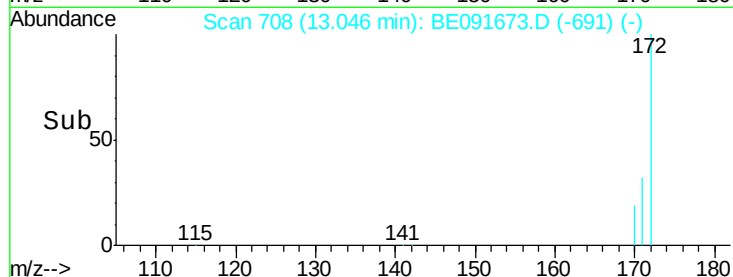
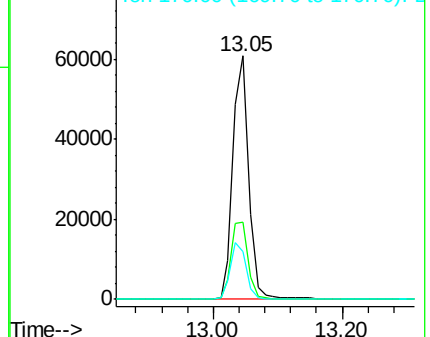
170 19.4 19.3 28.9



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#19

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.15 min Scan# 1016

Delta R.T. 0.00 min

Lab File: BE091673.D

Acq: 18 Apr 2016 20:59

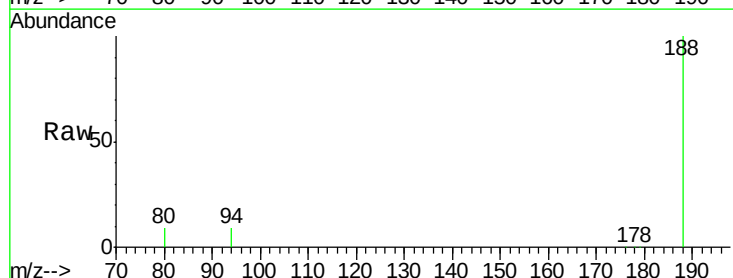
Tgt Ion:188 Resp: 275659

Ion Ratio Lower Upper

188 100

94 9.4 8.7 13.1

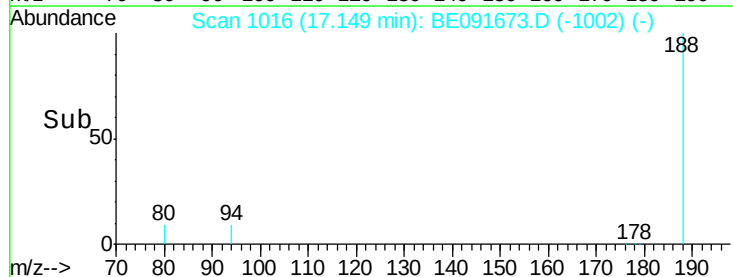
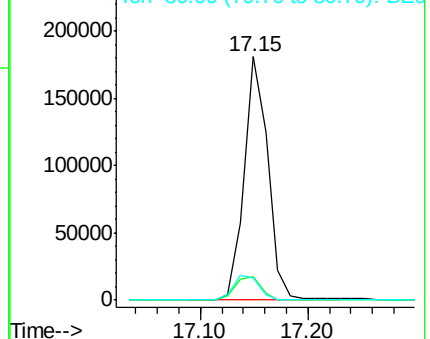
80 9.2 9.4 14.0#

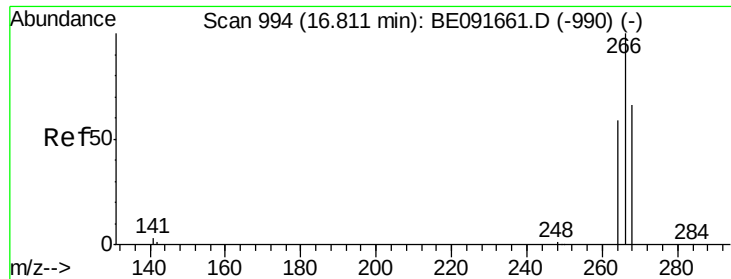


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0

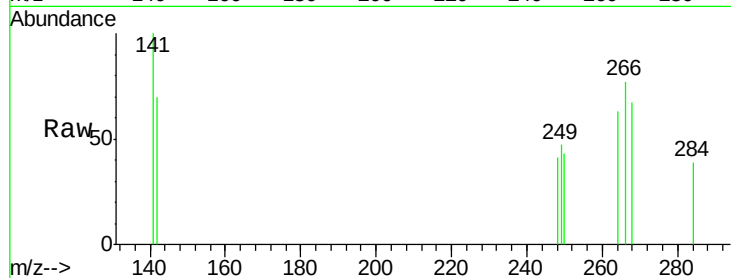




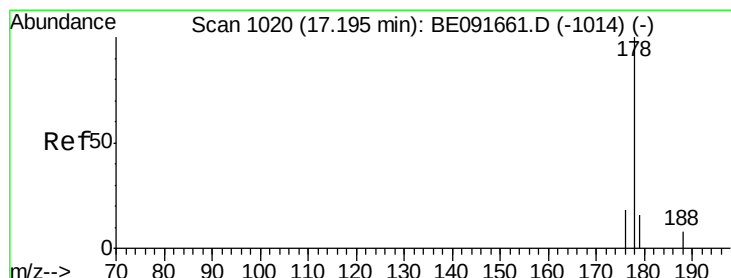
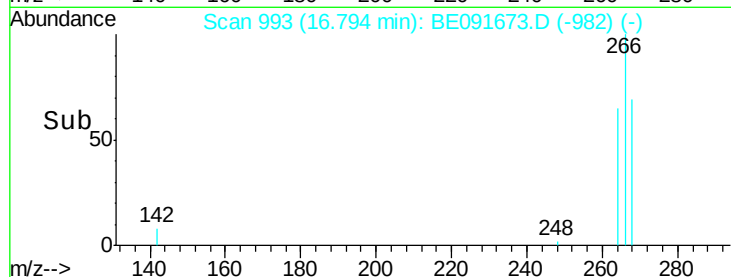
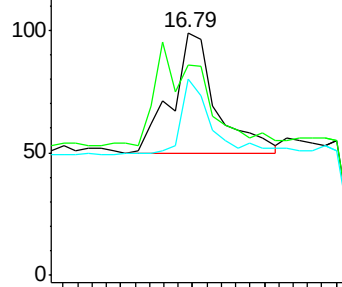
#22
 Pentachlorophenol
 Concen: 0.24 ng
 RT: 16.79 min Scan# 993
 Delta R.T. -0.02 min
 Lab File: BE091673.D
 Acq: 18 Apr 2016 20:59

Instrument :
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Tgt Ion: 266 Resp: 210
 Ion Ratio Lower Upper
 266 100
 268 86.9 58.2 87.2
 264 80.8 56.2 84.4

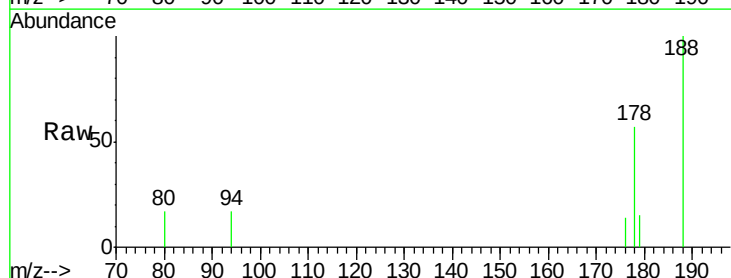


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

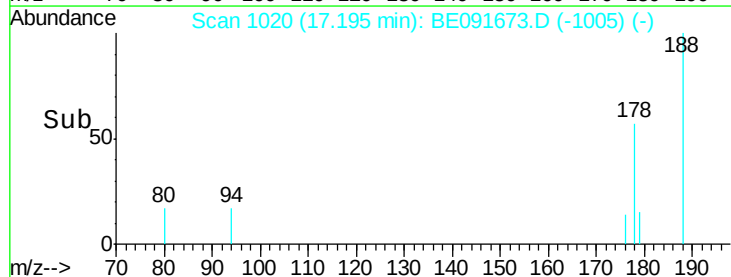
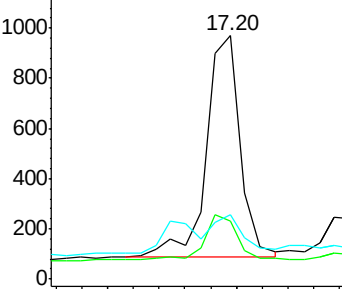


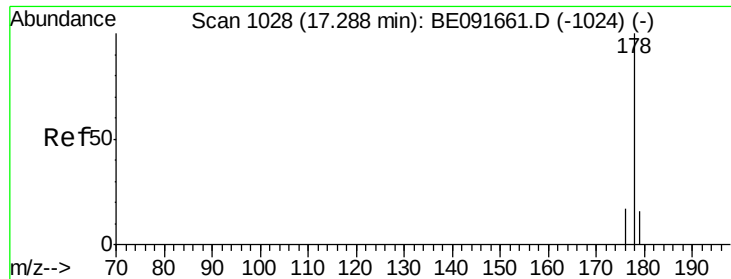
#23
 Phenanthrene
 Concen: 0.03 ng
 RT: 17.20 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: BE091673.D
 Acq: 18 Apr 2016 20:59

Tgt Ion: 178 Resp: 1626
 Ion Ratio Lower Upper
 178 100
 176 18.2 15.3 22.9
 179 0.0 12.6 18.8#



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

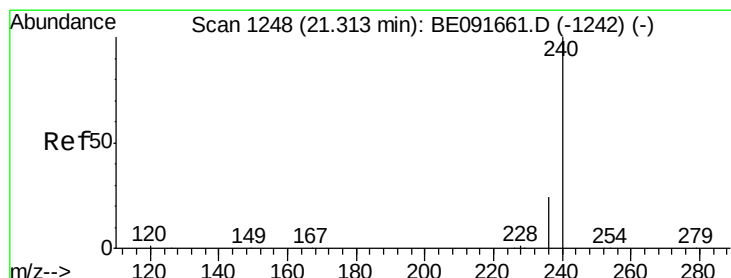
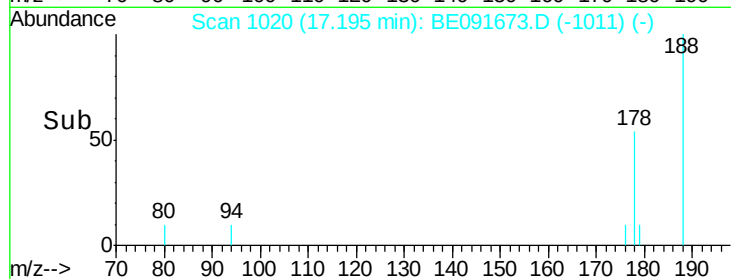
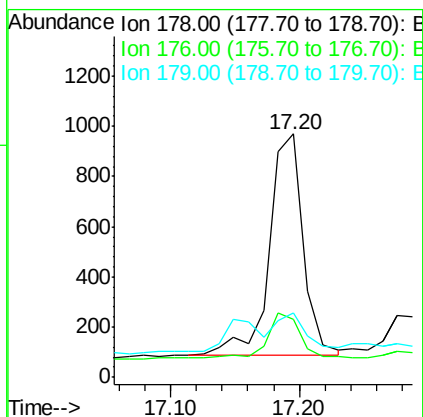
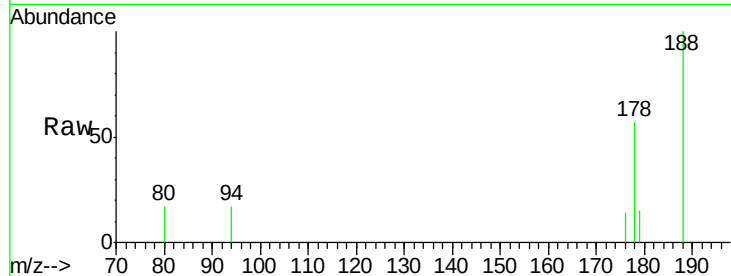




#24
 Anthracene
 Concen: 0.03 ng
 RT: 17.20 min Scan# 1020
 Delta R.T. -0.09 min
 Lab File: BE091673.D
 Acq: 18 Apr 2016 20:59

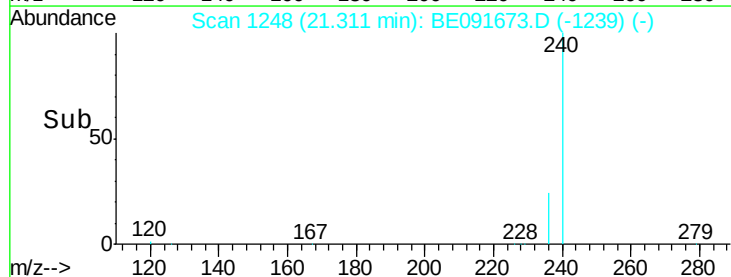
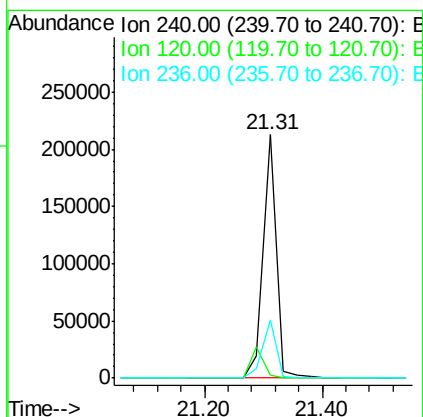
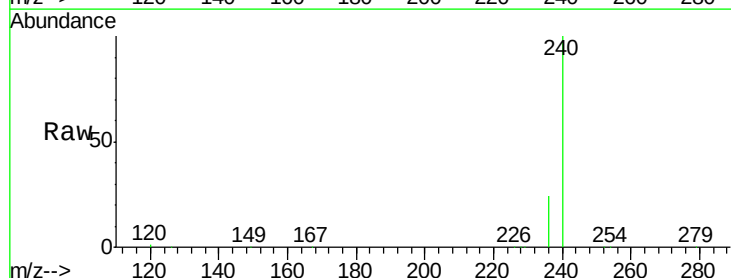
Instrument :
 BNA_E
 ClientSampleId :
 BCR06

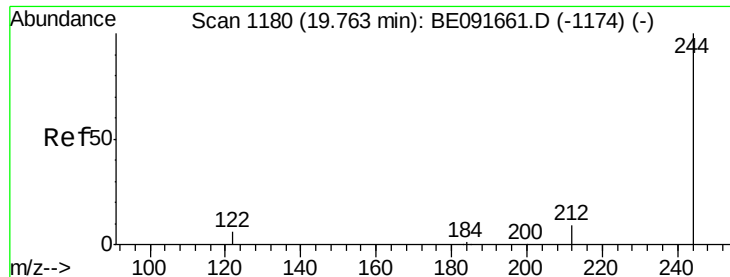
Tgt Ion:178 Resp: 1626
 Ion Ratio Lower Upper
 178 100
 176 19.4 14.6 21.8
 179 14.0 11.8 17.6



#26
 Chrysene-d12
 Concen: 5.00 ng
 RT: 21.31 min Scan# 1248
 Delta R.T. -0.00 min
 Lab File: BE091673.D
 Acq: 18 Apr 2016 20:59

Tgt Ion:240 Resp: 336315
 Ion Ratio Lower Upper
 240 100
 120 1.3 11.0 16.4#
 236 23.8 21.7 32.5





#29

Terphenyl-d14

Concen: 4.61 ng

RT: 19.76 min Scan# 1180

Delta R.T. 0.00 min

Lab File: BE091673.D

Acq: 18 Apr 2016 20:59

Instrument :

BNA_E

ClientSampleId :

BCR06

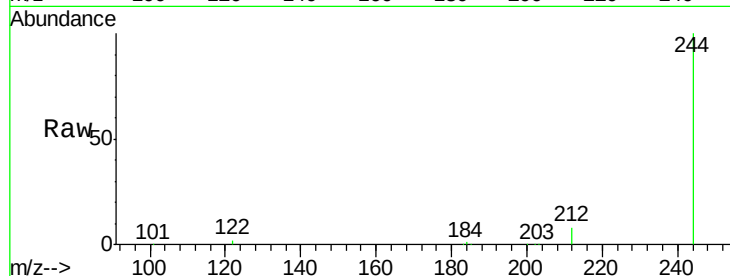
Tgt Ion:244 Resp: 211119

Ion Ratio Lower Upper

244 100

212 8.3 6.9 10.3

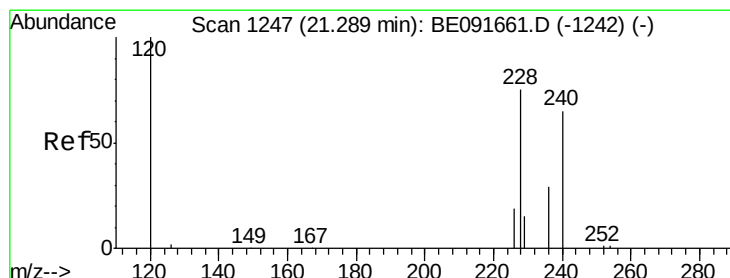
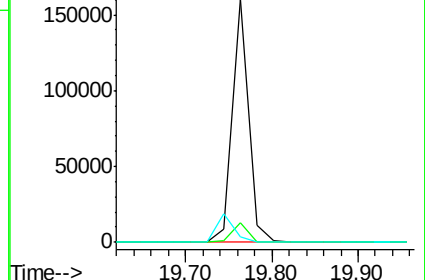
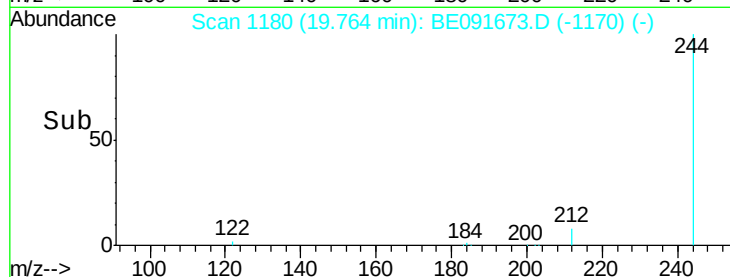
122 2.4 11.0 16.4#



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: BE091673.D

Acq: 18 Apr 2016 20:59

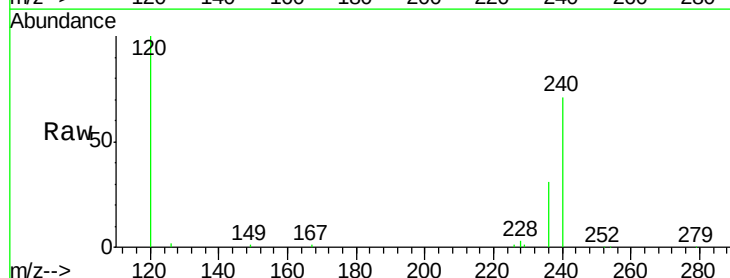
Tgt Ion:228 Resp: 2585

Ion Ratio Lower Upper

228 100

226 30.0 21.0 31.4

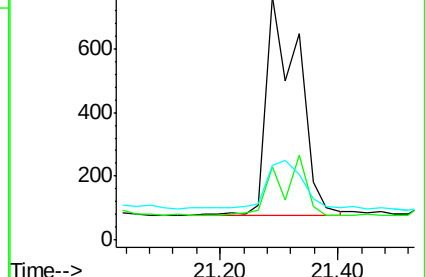
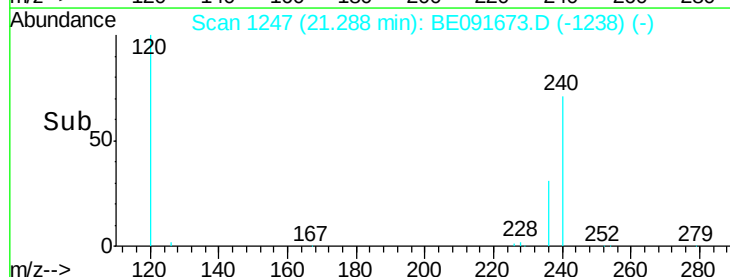
229 30.5 15.7 23.5#

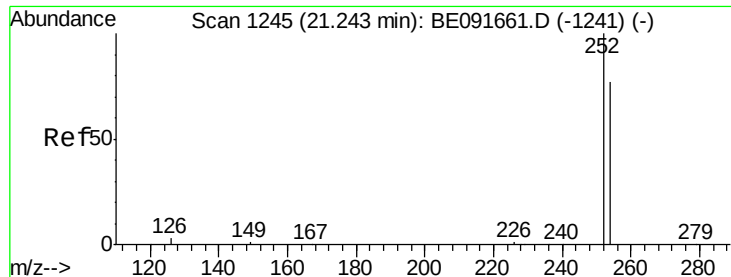


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

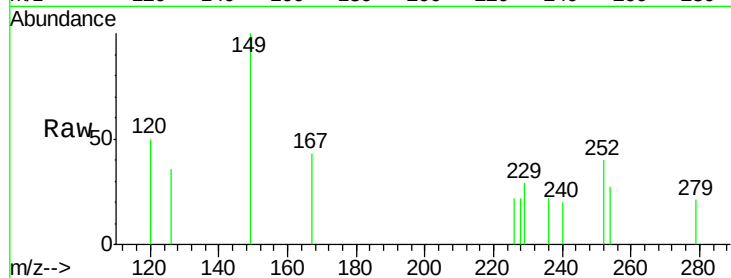




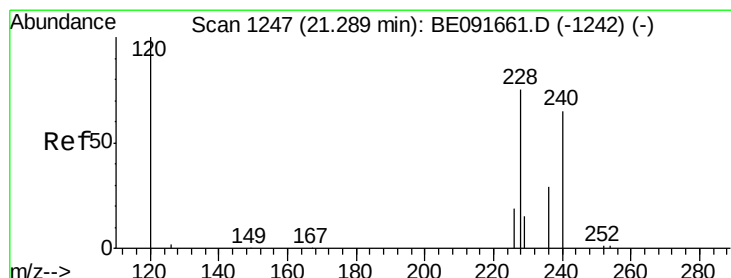
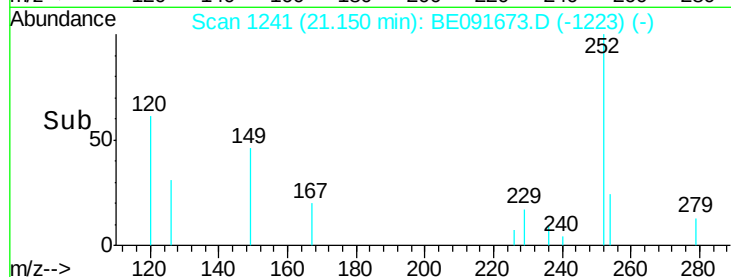
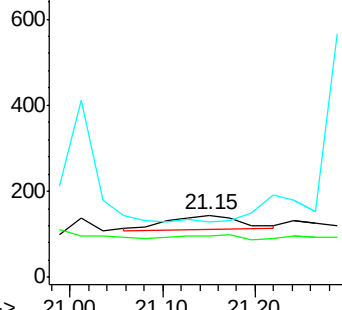
#31
 3,3'-Dichlorobenzidine
 Concen: 0.15 ng
 RT: 21.15 min Scan# 1241
 Delta R.T. -0.09 min
 Lab File: BE091673.D
 Acq: 18 Apr 2016 20:59

Instrument :
 BNA_E
 ClientSampleId :
 BCR06

Tgt Ion: 252 Resp: 177
 Ion Ratio Lower Upper
 252 100
 254 66.7 51.1 76.7
 126 89.6 12.6 18.8#

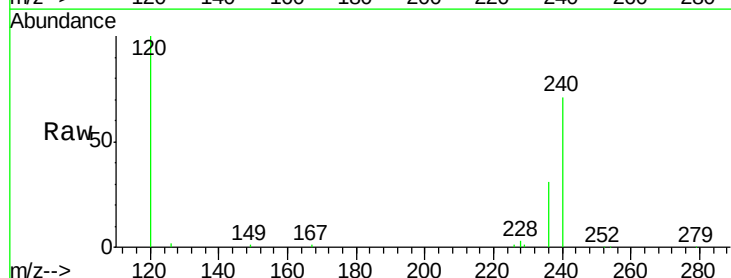


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

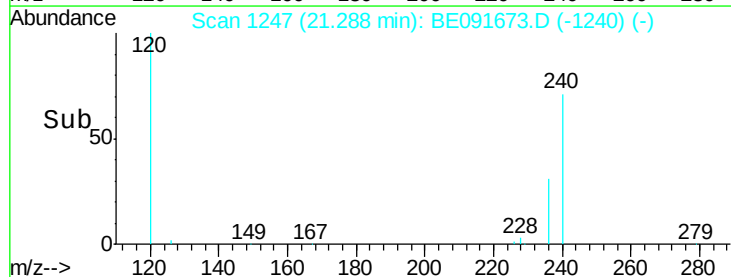
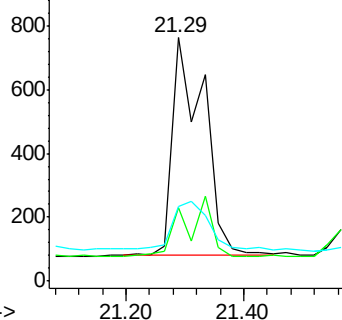


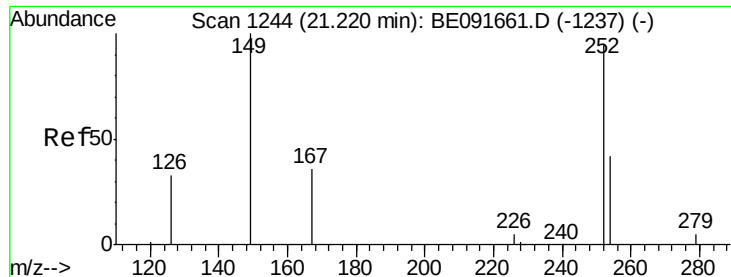
#32
 Chrysene
 Concen: 0.03 ng
 RT: 21.29 min Scan# 1247
 Delta R.T. -0.05 min
 Lab File: BE091673.D
 Acq: 18 Apr 2016 20:59

Tgt Ion: 228 Resp: 2543
 Ion Ratio Lower Upper
 228 100
 226 30.0 24.0 36.0
 229 30.5 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: 0.37 ng

RT: 21.22 min Scan# 1244

Delta R.T. -0.00 min

Lab File: BE091673.D

Acq: 18 Apr 2016 20:59

Instrument :

BNA_E

ClientSampleId :

BCR06

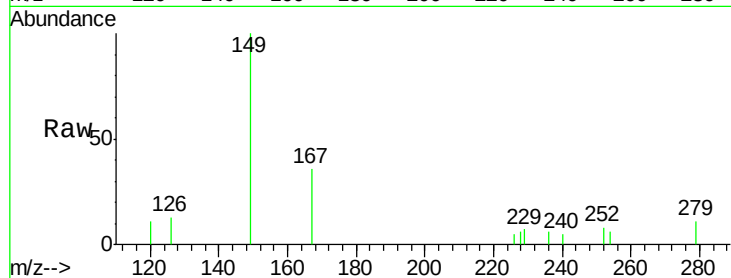
Tgt Ion:149 Resp: 3395

Ion Ratio Lower Upper

149 100

167 23.4 19.5 29.3

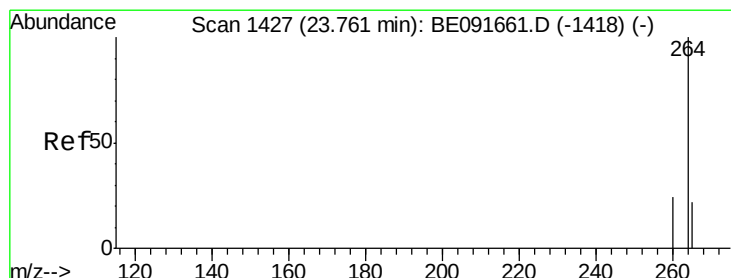
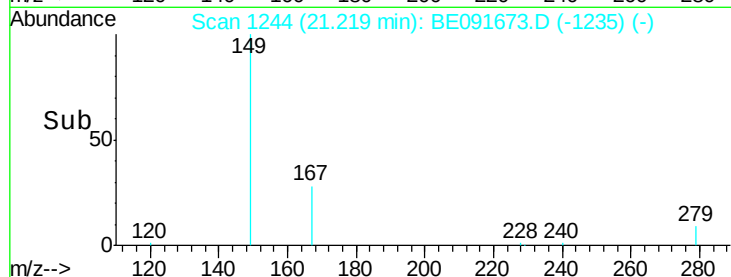
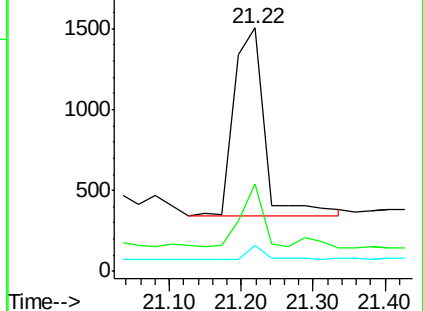
279 5.2 10.0 15.0#



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# 1426

Delta R.T. -0.01 min

Lab File: BE091673.D

Acq: 18 Apr 2016 20:59

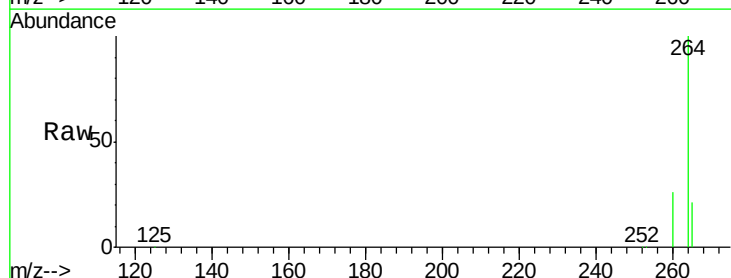
Tgt Ion:264 Resp: 304598

Ion Ratio Lower Upper

264 100

260 25.6 20.0 30.0

265 21.1 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

