

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE041816\
 Data File : BE091675.D
 Acq On : 18 Apr 2016 22:17
 Operator : UM/SJ
 Sample : H2563-04
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 BCR08

Quant Time: Apr 19 05:12:18 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

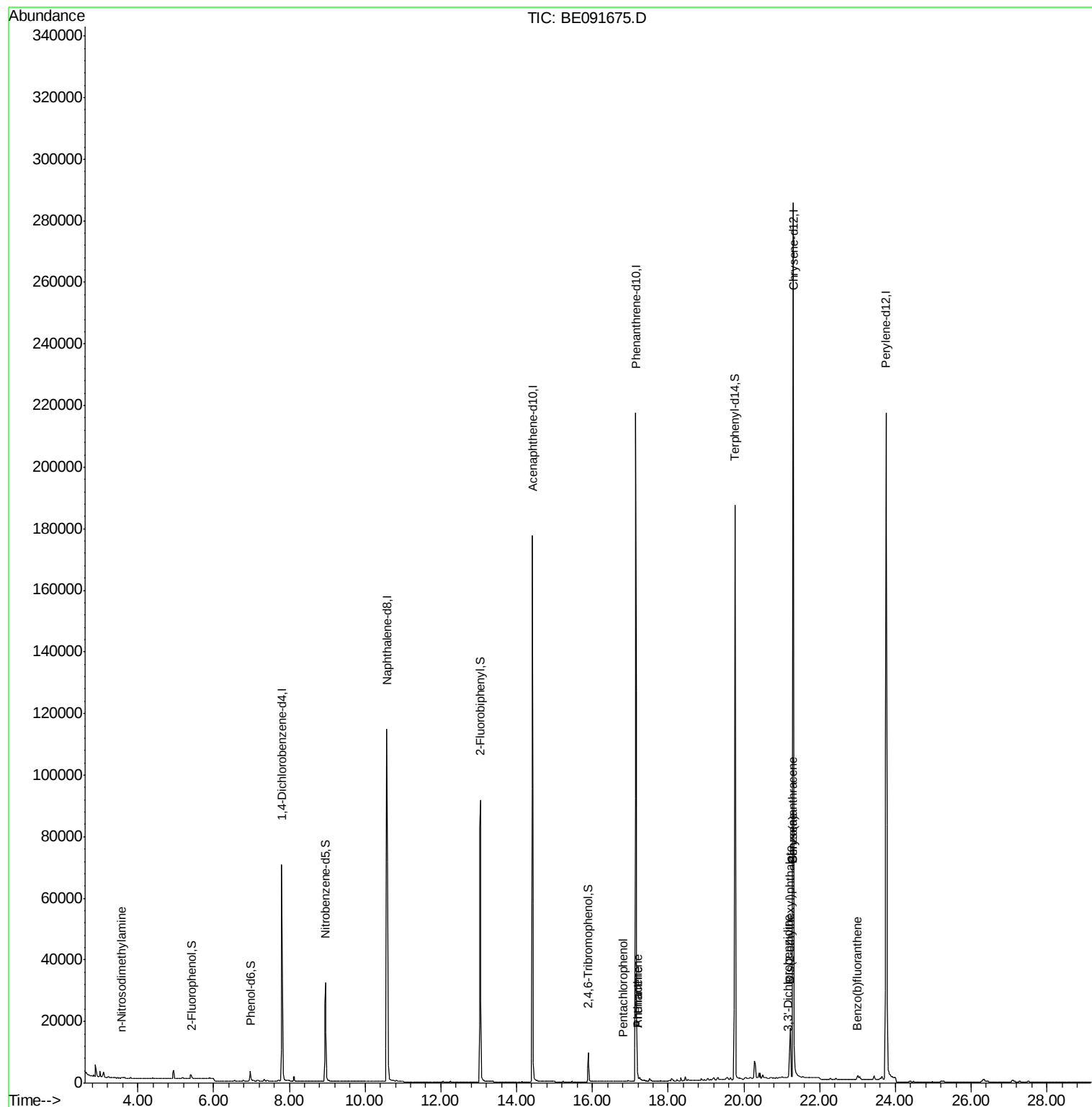
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	37175	5.00	ng	0.00
7) Naphthalene-d8	10.57	136	184321	5.00	ng	0.00
13) Acenaphthene-d10	14.42	164	111660	5.00	ng	0.00
19) Phenanthrene-d10	17.15	188	301002	5.00	ng	0.00
26) Chrysene-d12	21.31	240	353693	5.00	ng	0.00
35) Perylene-d12	23.75	264	315297	5.00	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.41	112	1619	0.20	ng	0.00
5) Phenol-d6	6.97	99	4743	0.43	ng	0.00
8) Nitrobenzene-d5	8.96	82	31837	3.37	ng	0.00
14) 2,4,6-Tribromophenol	15.90	330	7716	2.51	ng	-0.01
15) 2-Fluorobiphenyl	13.05	172	100674	3.24	ng	0.00
29) Terphenyl-d14	19.76	244	220394	4.57	ng	0.00
Target Compounds						
3) n-Nitrosodimethylamine	3.58	42	270	0.05	ng	# 1
22) Pentachlorophenol	16.81	266	53	0.19	ng	# 72
23) Phenanthrene	17.20	178	1486	0.02	ng	# 79
24) Anthracene	17.20	178	1486	0.02	ng	# 99
27) Benzidine	19.30	184	196	Below Cal	#	# 1
30) Benzo(a)anthracene	21.29	228	3638	0.04	ng	# 88
31) 3,3'-Dichlorobenzidine	21.17	252	117	0.15	ng	# 1
32) Chrysene	21.29	228	3649	0.04	ng	# 92
33) Bis(2-ethylhexyl)phthalate	21.22	149	26309	1.47	ng	# 85
36) Benzo(b)fluoranthene	23.00	252	1523	0.02	ng	# 23

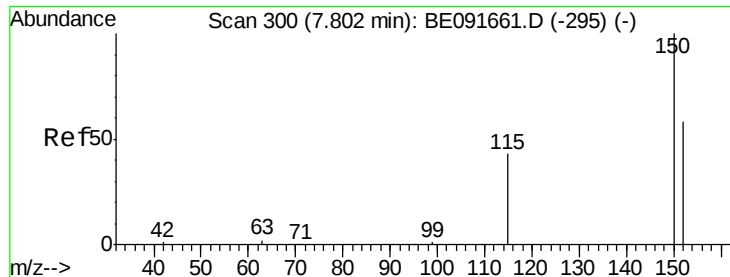
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE091675.D

Acq: 18 Apr 2016 22:17

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ClientSampleId :

BCR08

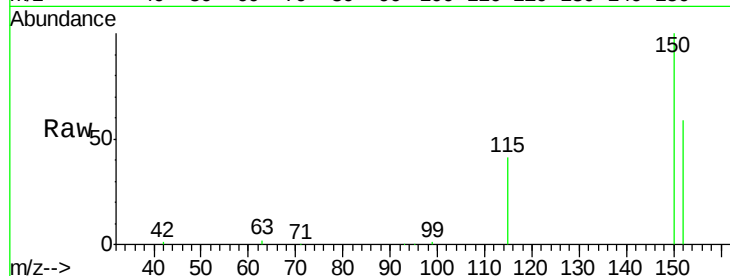
Tgt Ion: 152 Resp: 37175

Ion Ratio Lower Upper

152 100

150 169.2 122.6 183.8

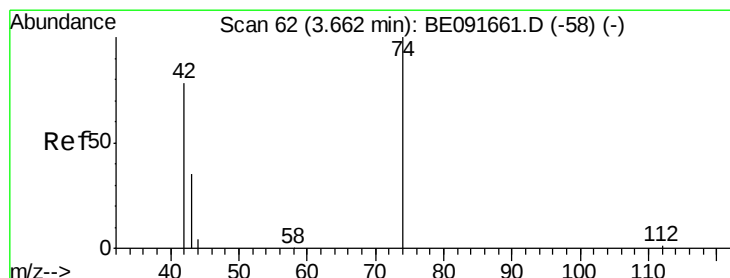
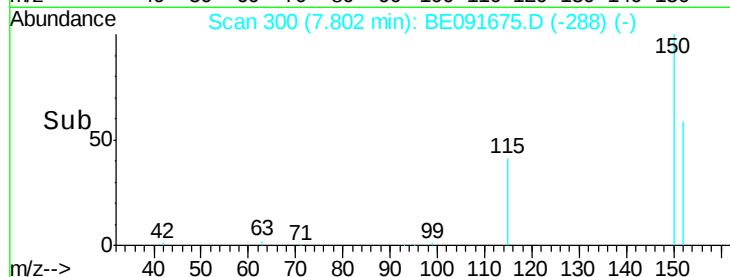
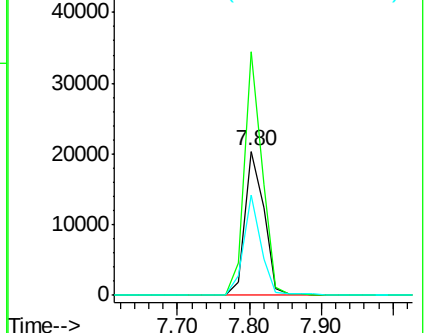
115 69.8 52.8 79.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#3

n-Nitrosodimethylamine

Concen: 0.05 ng

RT: 3.58 min Scan# 57

Delta R.T. -0.09 min

Lab File: BE091675.D

Acq: 18 Apr 2016 22:17

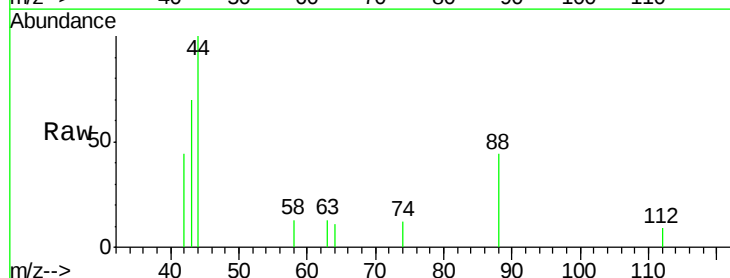
Tgt Ion: 42 Resp: 270

Ion Ratio Lower Upper

42 100

74 0.0 87.9 131.9#

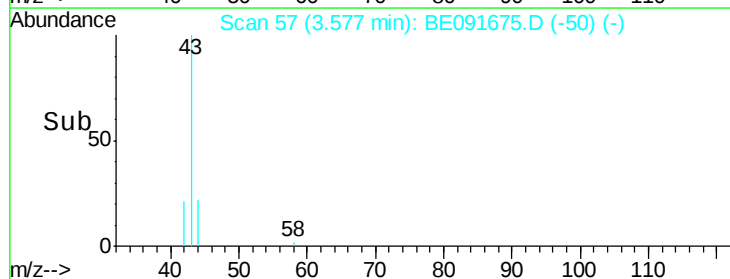
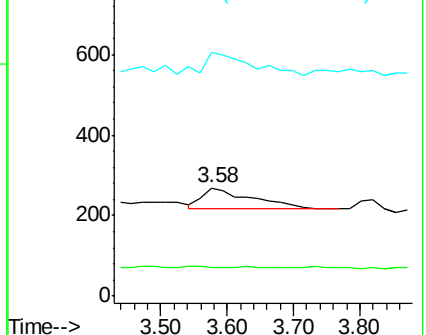
44 104.1 6.6 9.8#

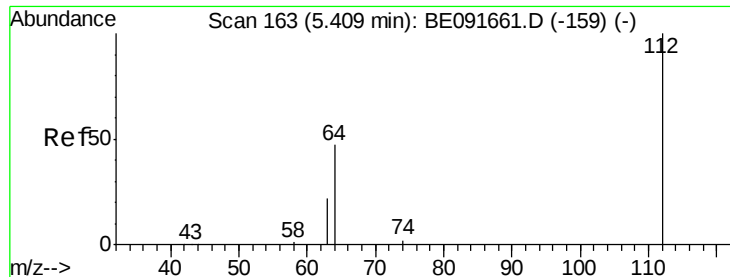


Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0





#4

2-Fluorophenol

Concen: 0.20 ng

RT: 5.41 min Scan# 163

Delta R.T. 0.00 min

Lab File: BE091675.D

Acq: 18 Apr 2016 22:17

Instrument :

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ClientSampleId :

BCR08

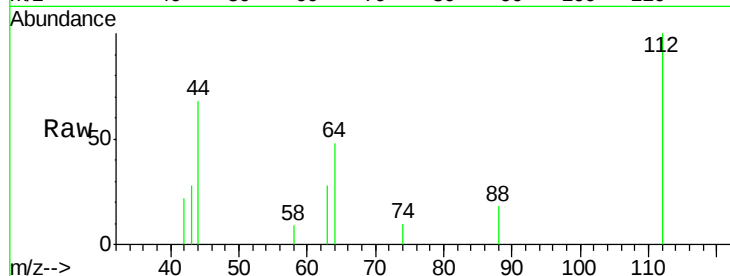
Tgt Ion: 112 Resp: 1619

Ion Ratio Lower Upper

112 100

64 68.4 30.9 46.3#

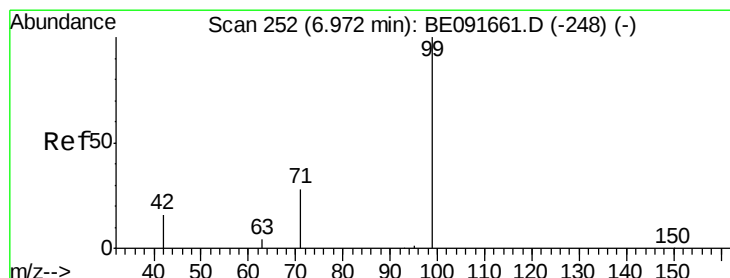
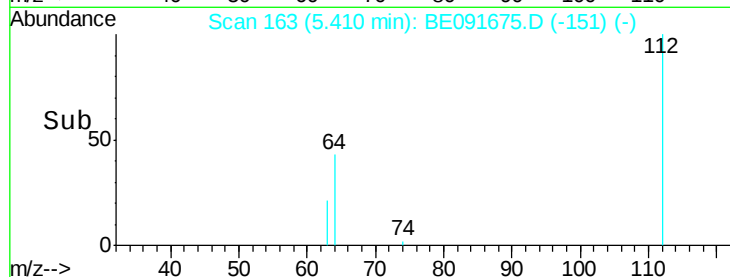
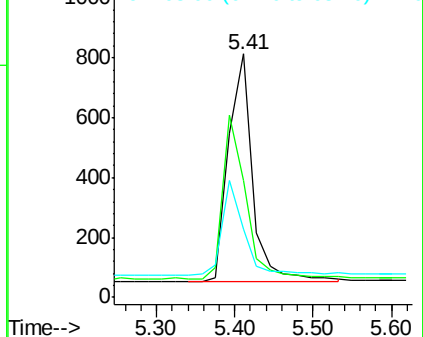
63 37.6 16.7 25.1#



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: 0.43 ng

RT: 6.97 min Scan# 252

Delta R.T. 0.00 min

Lab File: BE091675.D

Acq: 18 Apr 2016 22:17

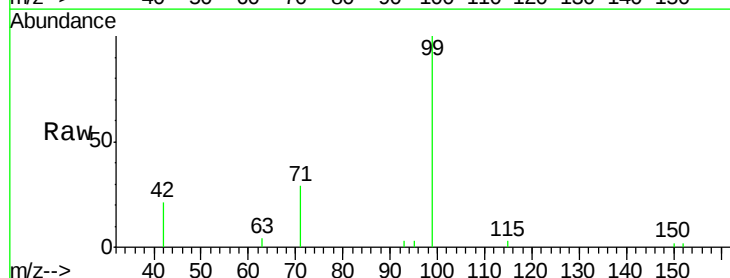
Tgt Ion: 99 Resp: 4743

Ion Ratio Lower Upper

99 100

42 25.6 16.2 24.2#

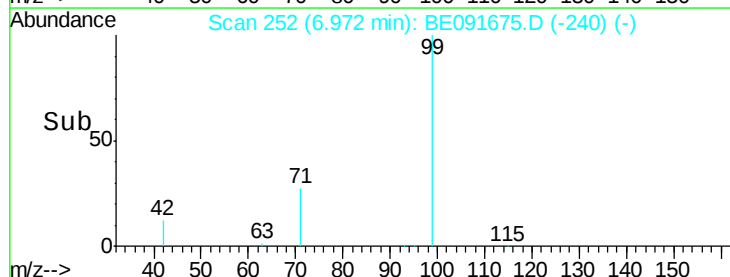
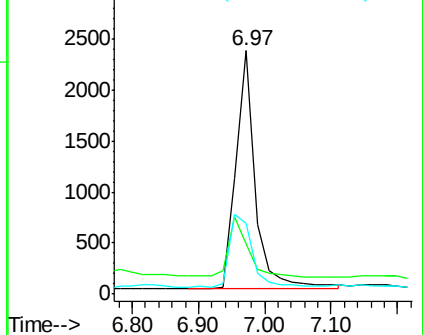
71 36.2 29.0 43.4

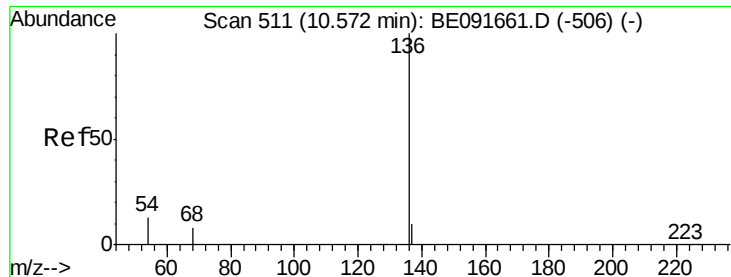


Abundance Ion 99.00 (98.70 to 99.70): BE0

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: BE091675.D

Acq: 18 Apr 2016 22:17

Instrument :

BNA_E

ClientSampleId :

BCR08

Tgt Ion: 136 Resp: 184321

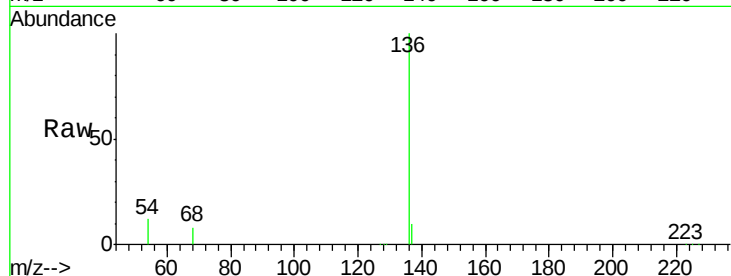
Ion Ratio Lower Upper

136 100

137 10.0 8.9 13.3

54 11.9 8.2 12.4

68 8.0 6.2 9.4

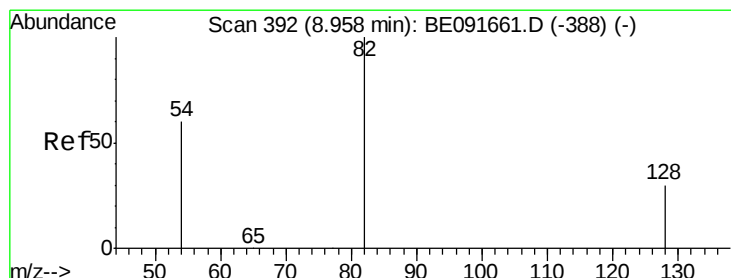
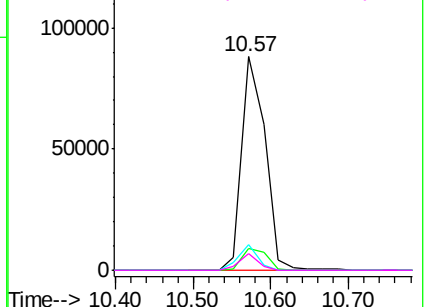
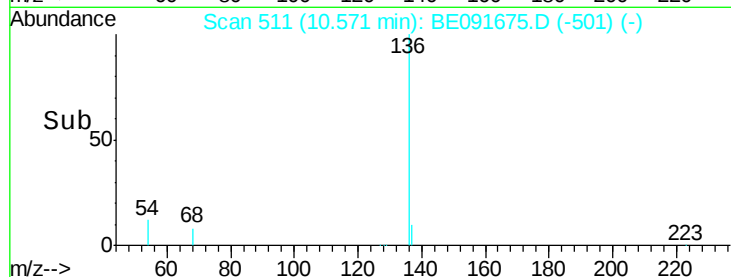


Abundance Ion 136.00 (135.70 to 136.70): E

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: 3.37 ng

RT: 8.96 min Scan# 392

Delta R.T. -0.00 min

Lab File: BE091675.D

Acq: 18 Apr 2016 22:17

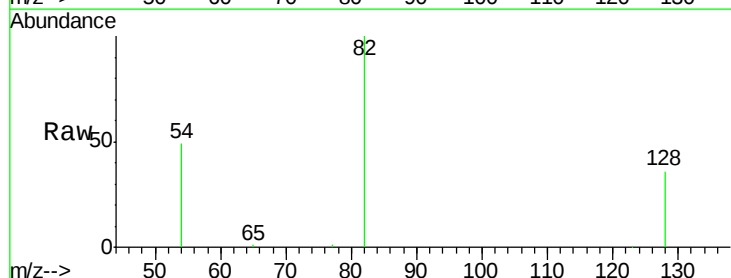
Tgt Ion: 82 Resp: 31837

Ion Ratio Lower Upper

82 100

128 35.7 25.4 38.0

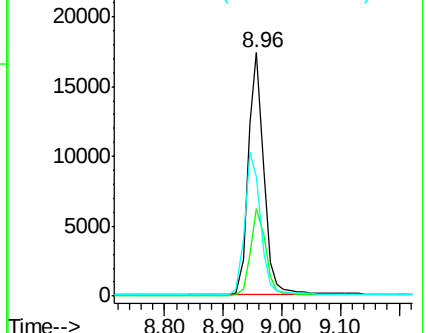
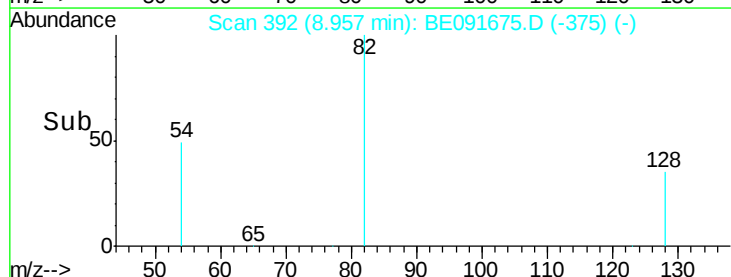
54 49.1 48.4 72.6

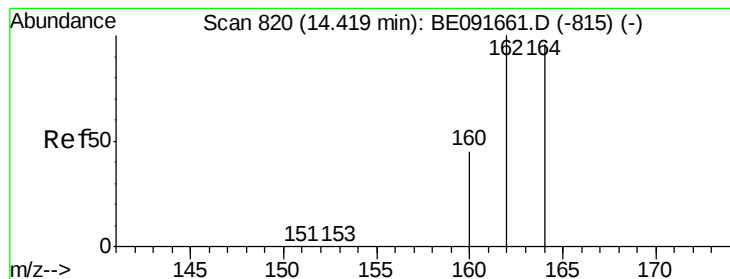


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.42 min Scan# 820

Delta R.T. 0.00 min

Lab File: BE091675.D

Acq: 18 Apr 2016 22:17

Instrument :

BNA_E

ClientSampleId :

BCR08

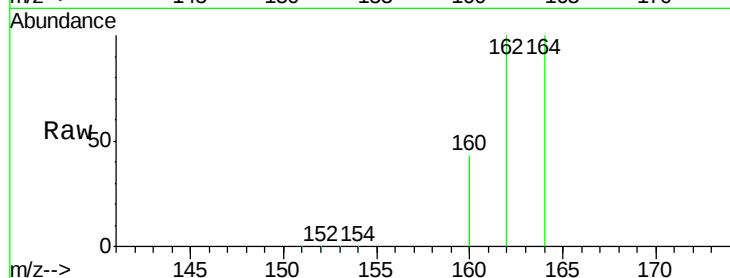
Tgt Ion:164 Resp: 111660

Ion Ratio Lower Upper

164 100

162 100.4 85.3 127.9

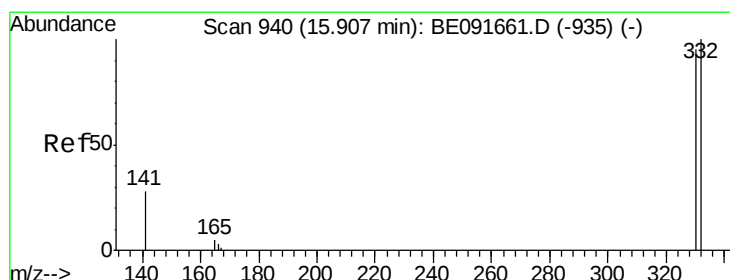
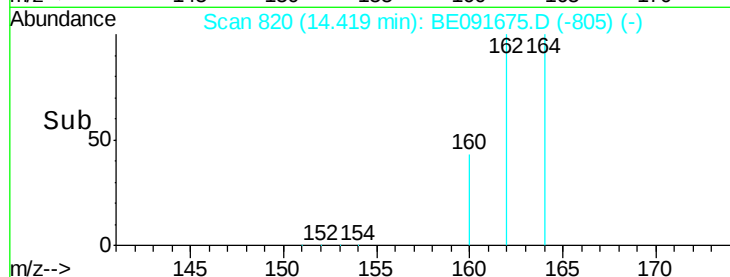
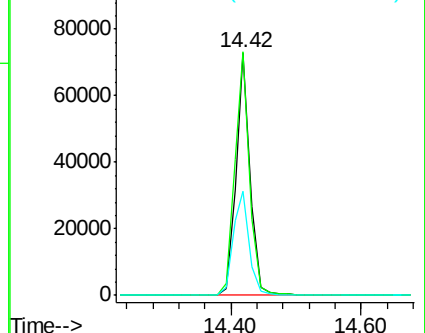
160 42.8 46.2 69.2#



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: 2.51 ng

RT: 15.90 min Scan# 939

Delta R.T. -0.01 min

Lab File: BE091675.D

Acq: 18 Apr 2016 22:17

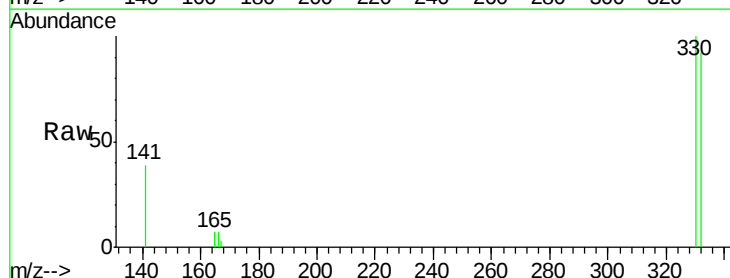
Tgt Ion:330 Resp: 7716

Ion Ratio Lower Upper

330 100

332 96.3 79.1 118.7

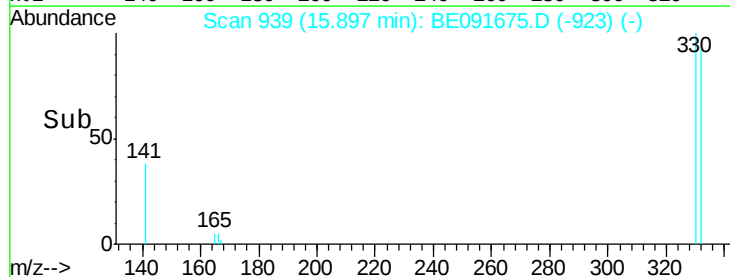
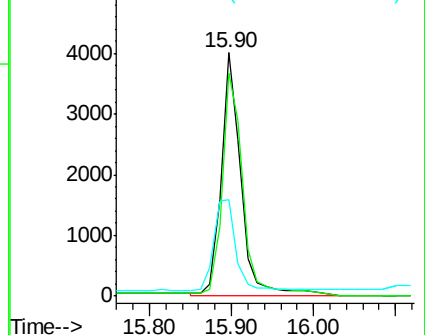
141 42.1 125.4 188.0#

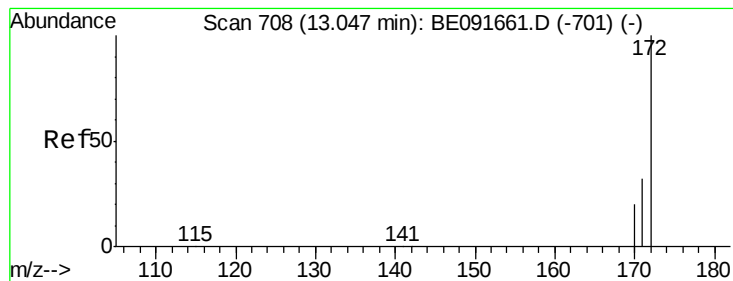


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

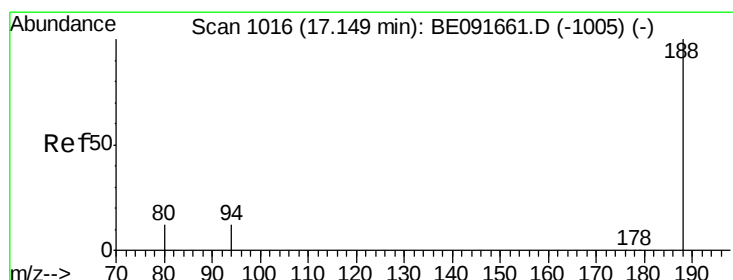
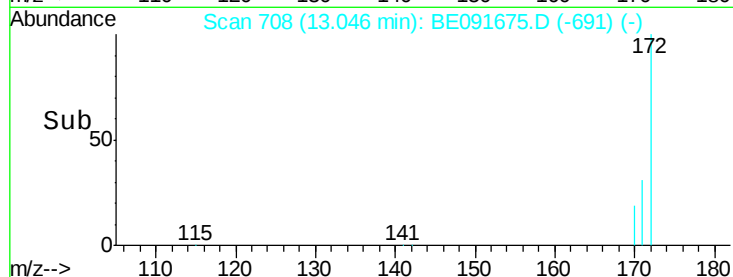
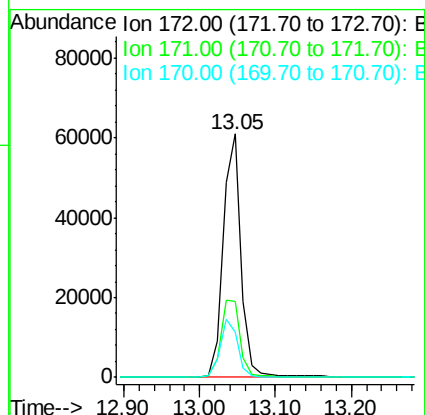
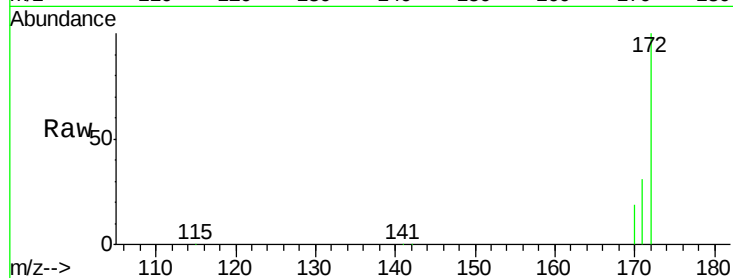




#15
 2-Fluorobiphenyl
 Concen: 3.24 ng
 RT: 13.05 min Scan# 708
 Delta R.T. -0.00 min
 Lab File: BE091675.D
 Acq: 18 Apr 2016 22:17

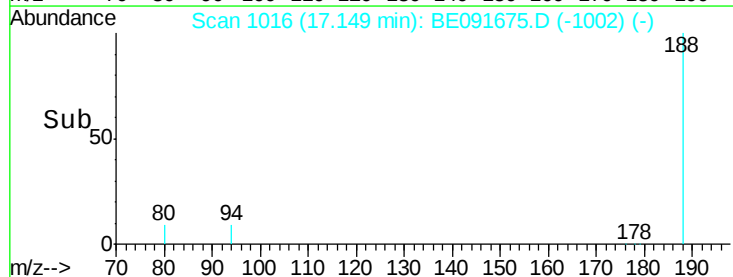
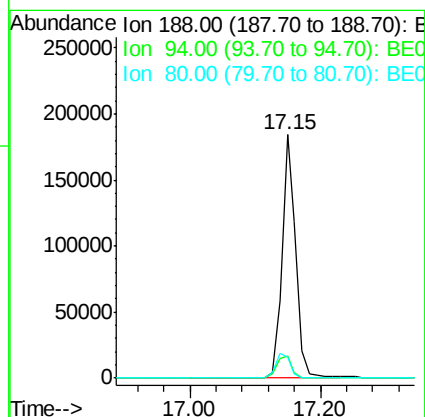
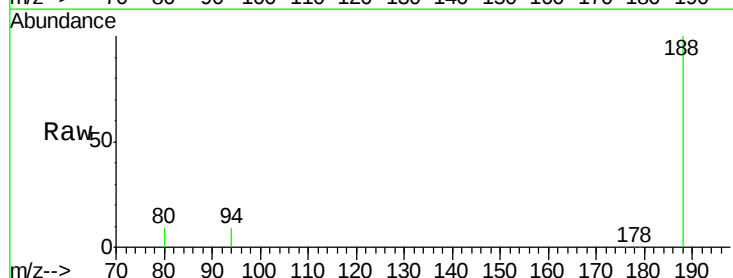
Instrument :
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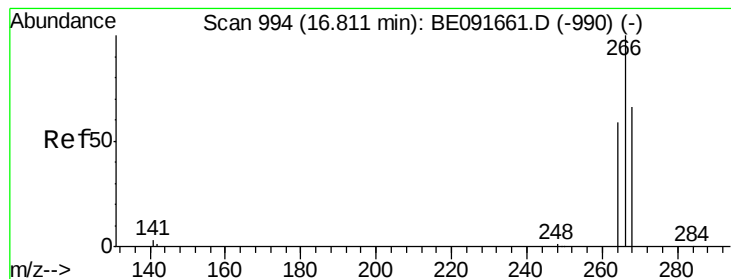
Tgt Ion:172 Resp: 100674
 Ion Ratio Lower Upper
 172 100
 171 31.3 28.8 43.2
 170 18.7 19.3 28.9#



#19
 Phenanthrene-d10
 Concen: 5.00 ng
 RT: 17.15 min Scan# 1016
 Delta R.T. 0.00 min
 Lab File: BE091675.D
 Acq: 18 Apr 2016 22:17

Tgt Ion:188 Resp: 301002
 Ion Ratio Lower Upper
 188 100
 94 9.1 8.7 13.1
 80 8.7 9.4 14.0#





#22

Pentachlorophenol

Concen: 0.19 ng

RT: 16.81 min Scan# 994

Delta R.T. 0.00 min

Lab File: BE091675.D

Acq: 18 Apr 2016 22:17

Instrument :

BNA_E

ClientSampleId :

BCR08

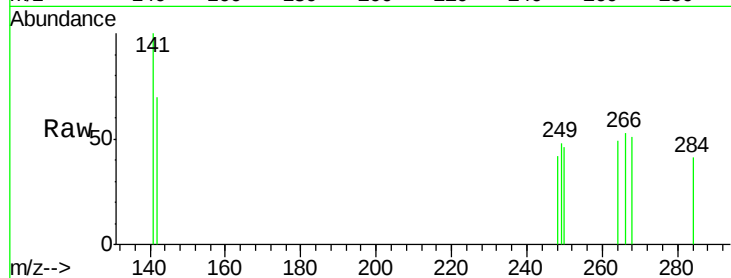
Tgt Ion:266 Resp: 53

Ion Ratio Lower Upper

266 100

268 96.9 58.2 87.2#

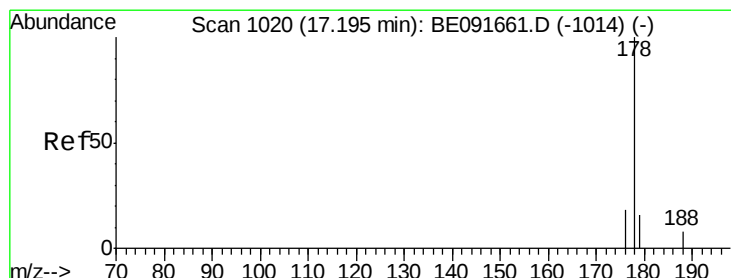
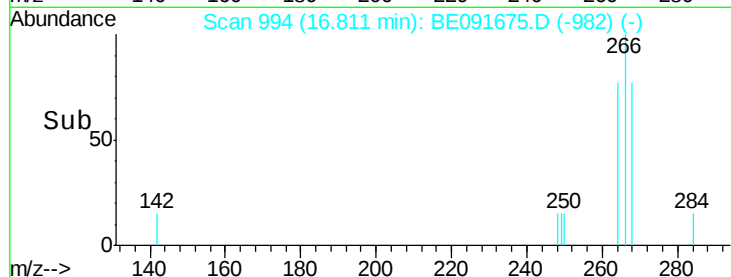
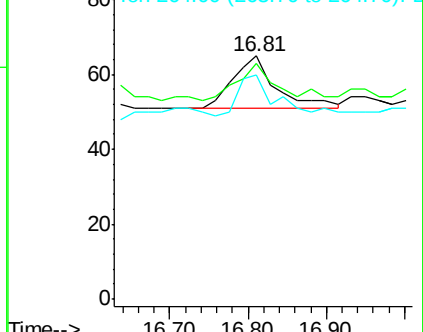
264 92.3 56.2 84.4#



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: 0.02 ng

RT: 17.20 min Scan# 1020

Delta R.T. 0.00 min

Lab File: BE091675.D

Acq: 18 Apr 2016 22:17

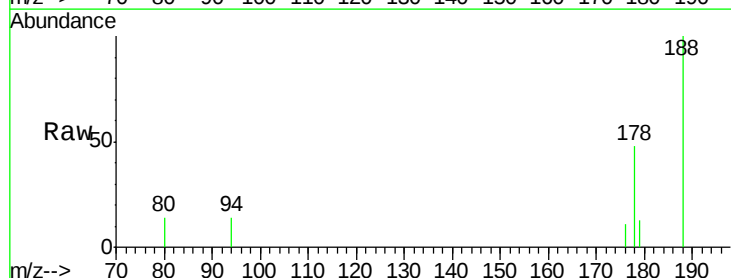
Tgt Ion:178 Resp: 1486

Ion Ratio Lower Upper

178 100

176 15.9 15.3 22.9

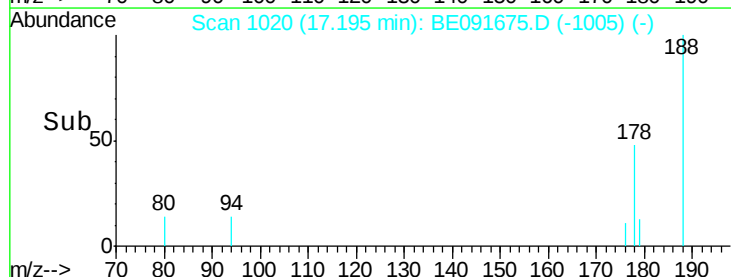
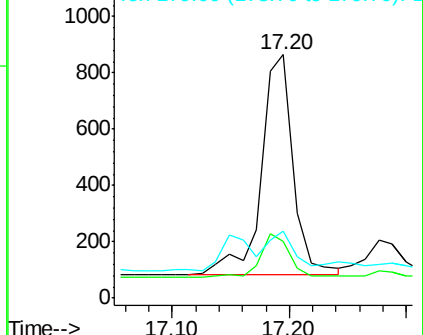
179 0.0 12.6 18.8#

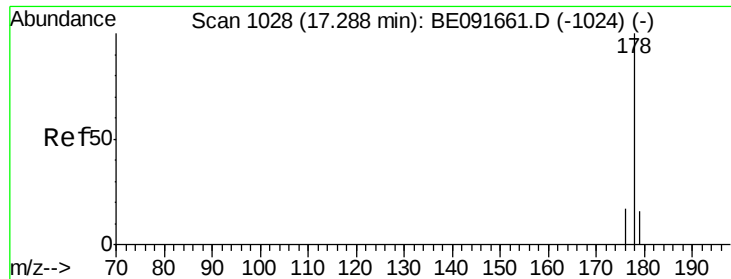


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

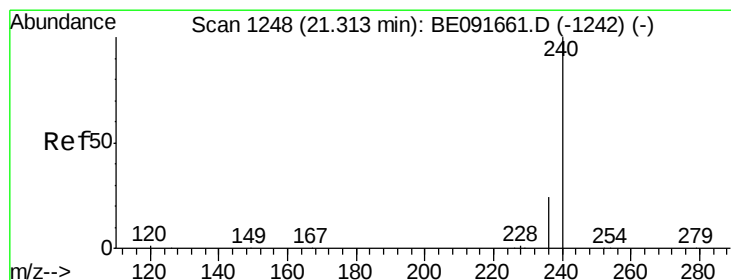
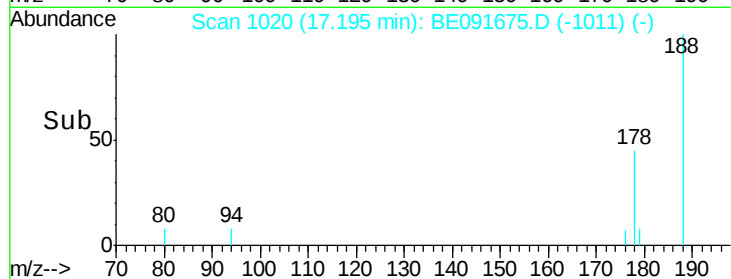
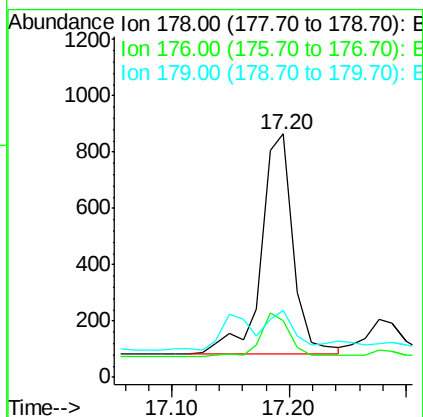
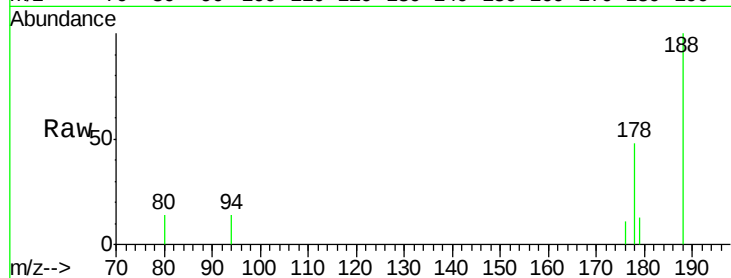




#24
 Anthracene
 Concen: 0.02 ng
 RT: 17.20 min Scan# 1020
 Delta R.T. -0.09 min
 Lab File: BE091675.D
 Acq: 18 Apr 2016 22:17

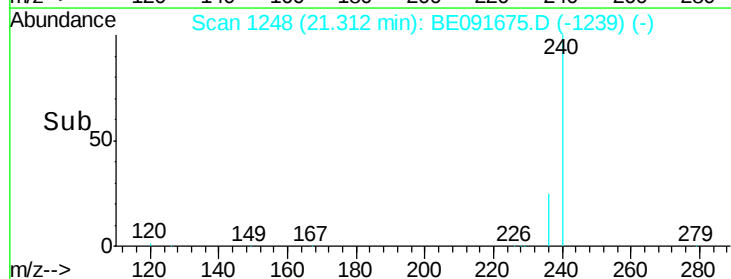
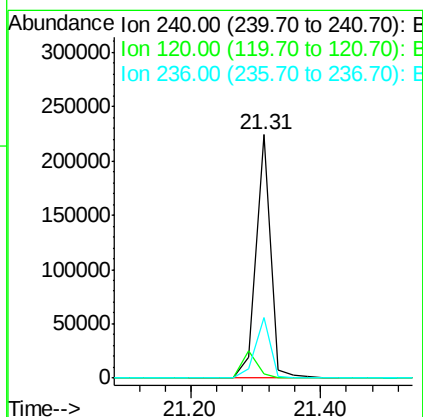
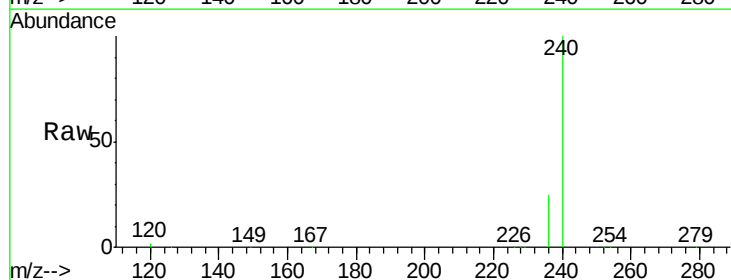
Instrument :
 BNA_E
 ClientSampleId :
 BCR08

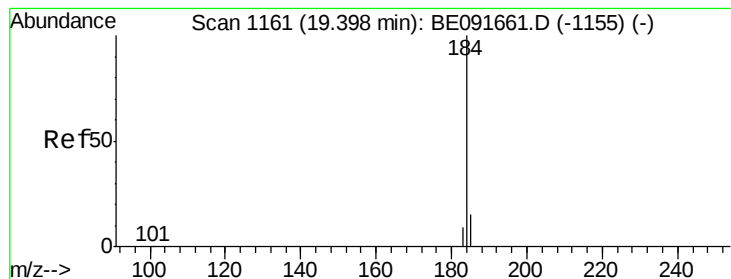
Tgt Ion:178 Resp: 1486
 Ion Ratio Lower Upper
 178 100
 176 18.4 14.6 21.8
 179 14.3 11.8 17.6



#26
 Chrysene-d12
 Concen: 5.00 ng
 RT: 21.31 min Scan# 1248
 Delta R.T. -0.00 min
 Lab File: BE091675.D
 Acq: 18 Apr 2016 22:17

Tgt Ion:240 Resp: 353693
 Ion Ratio Lower Upper
 240 100
 120 1.6 11.0 16.4#
 236 24.9 21.7 32.5





#27

Benzidine

Concen: Below Cal

RT: 19.30 min Scan# 1156

Delta R.T. -0.10 min

Lab File: BE091675.D

Acq: 18 Apr 2016 22:17

Instrument :

BNA_E

ClientSampleId :

BCR08

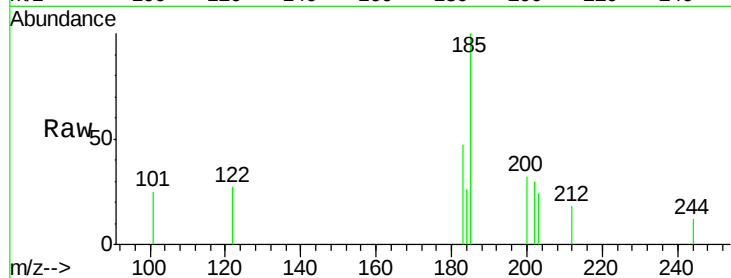
Tgt Ion:184 Resp: 196

Ion Ratio Lower Upper

184 100

185 389.0 22.3 33.5#

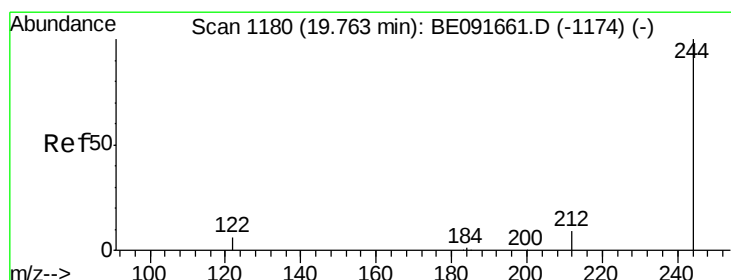
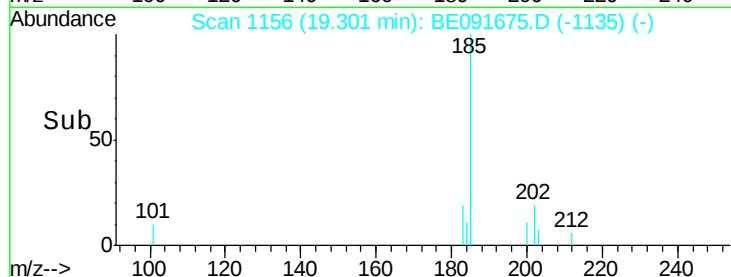
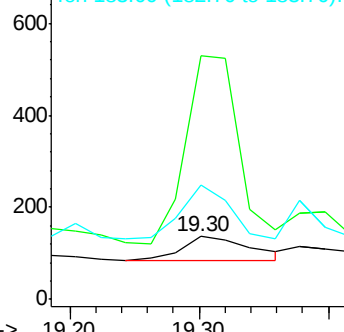
183 183.1 16.4 24.6#



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: 4.57 ng

RT: 19.76 min Scan# 1180

Delta R.T. -0.00 min

Lab File: BE091675.D

Acq: 18 Apr 2016 22:17

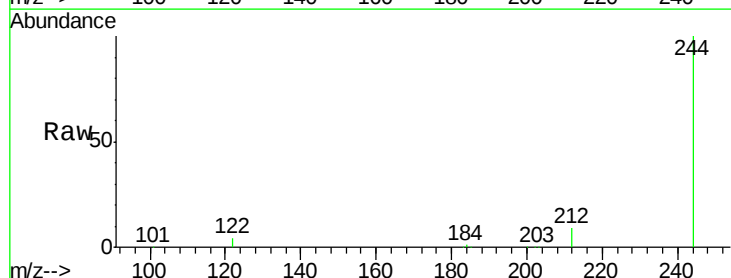
Tgt Ion:244 Resp: 220394

Ion Ratio Lower Upper

244 100

212 8.7 6.9 10.3

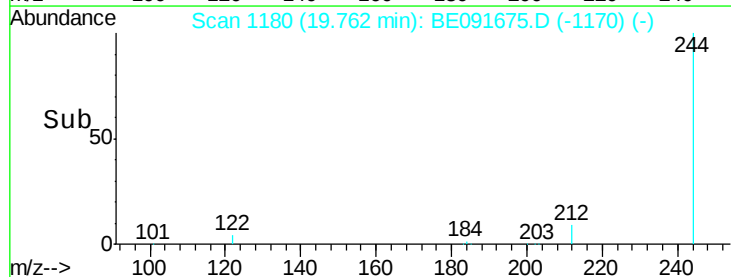
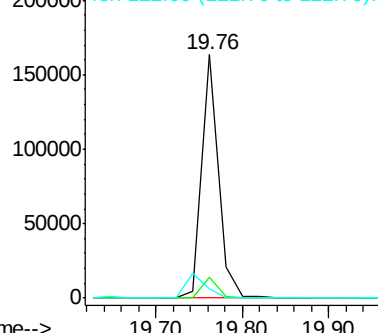
122 3.6 11.0 16.4#

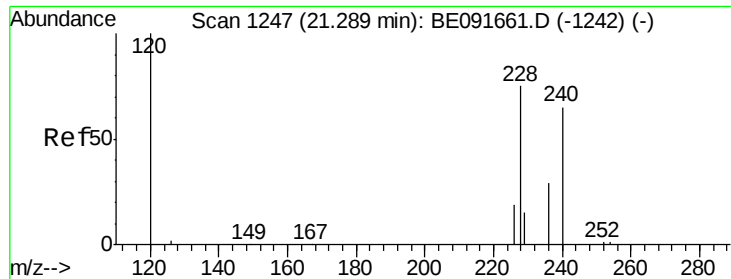


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

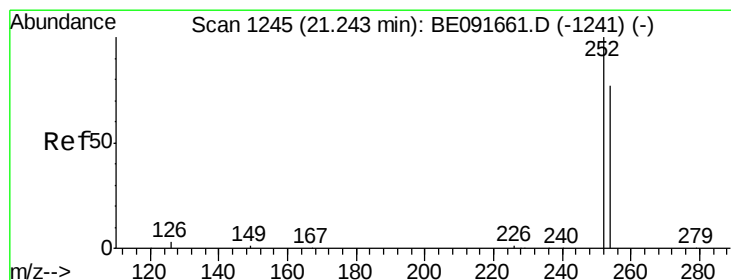
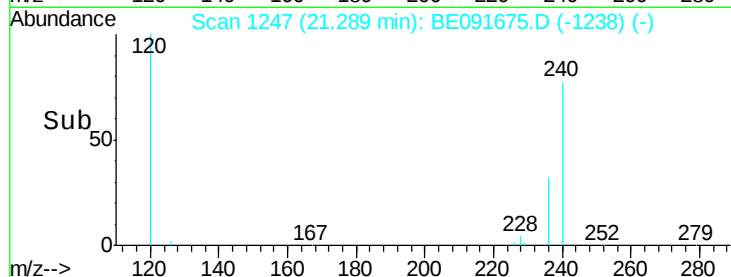
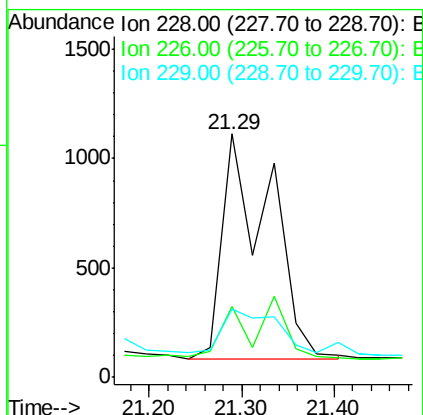
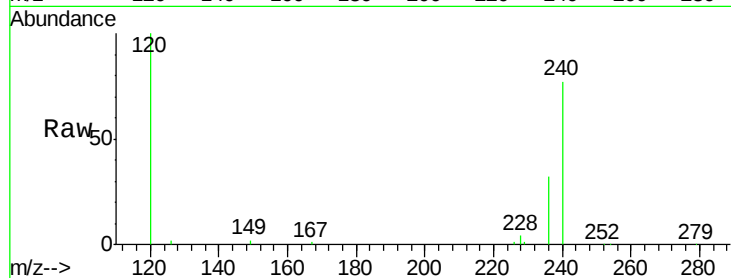




#30
Benzo(a)anthracene
Concen: 0.04 ng
RT: 21.29 min Scan# 1247
Delta R.T. -0.00 min
Lab File: BE091675.D
Acq: 18 Apr 2016 22:17

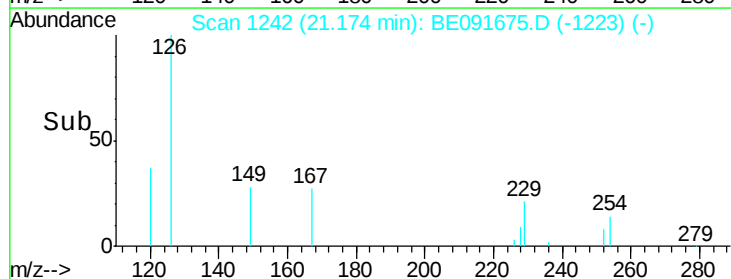
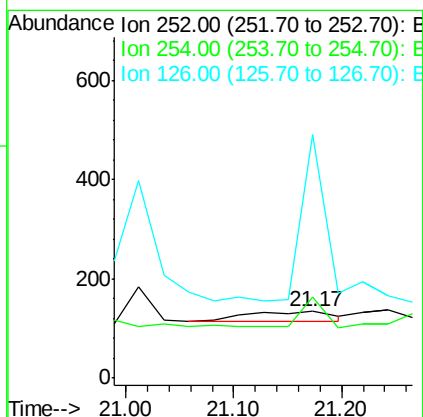
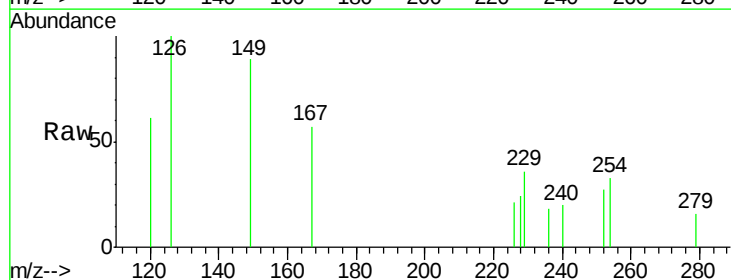
Instrument :
BNA_E
ClientSampled :
BCR08

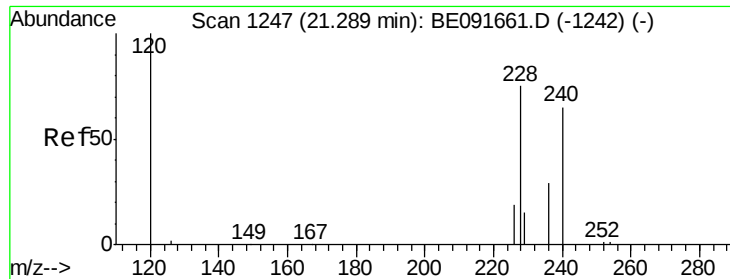
Tgt Ion:228 Resp: 3638
Ion Ratio Lower Upper
228 100
226 29.3 21.0 31.4
229 28.2 15.7 23.5#



#31
3,3'-Dichlorobenzidine
Concen: 0.15 ng
RT: 21.17 min Scan# 1242
Delta R.T. -0.07 min
Lab File: BE091675.D
Acq: 18 Apr 2016 22:17

Tgt Ion:252 Resp: 117
Ion Ratio Lower Upper
252 100
254 122.4 51.1 76.7#
126 366.4 12.6 18.8#





#32

Chrysene

Concen: 0.04 ng

RT: 21.29 min Scan# 1247

Delta R.T. -0.05 min

Lab File: BE091675.D

Acq: 18 Apr 2016 22:17

Instrument :

BNA_E

ClientSampleId :

BCR08

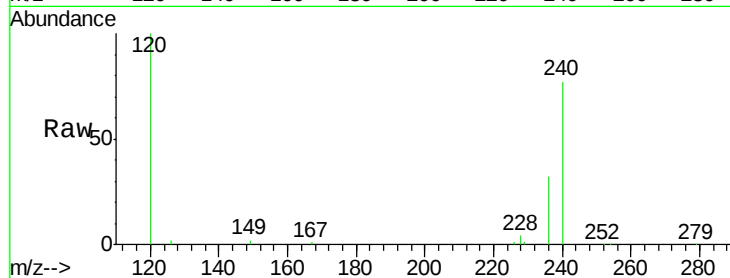
Tgt Ion:228 Resp: 3649

Ion Ratio Lower Upper

228 100

226 29.3 24.0 36.0

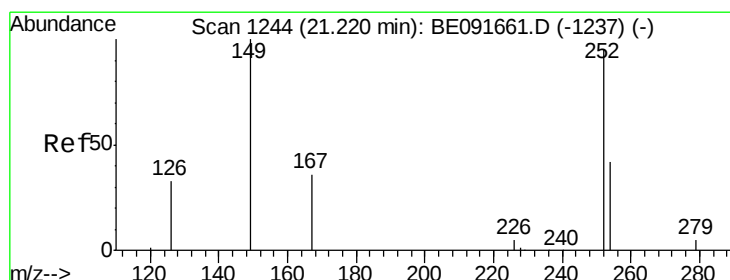
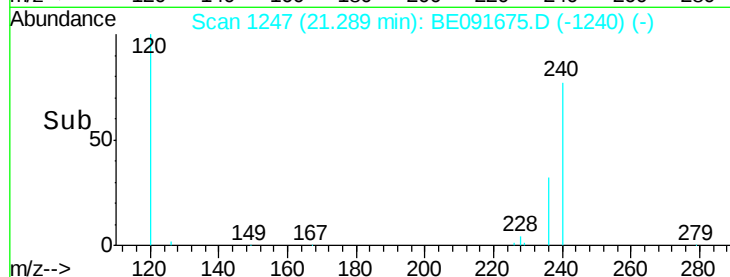
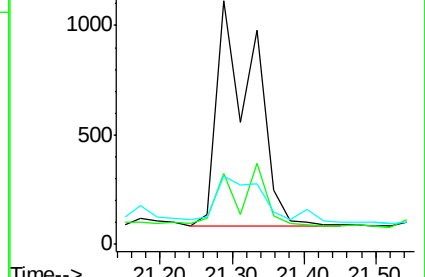
229 28.2 15.9 23.9#



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: 1.47 ng

RT: 21.22 min Scan# 1244

Delta R.T. -0.00 min

Lab File: BE091675.D

Acq: 18 Apr 2016 22:17

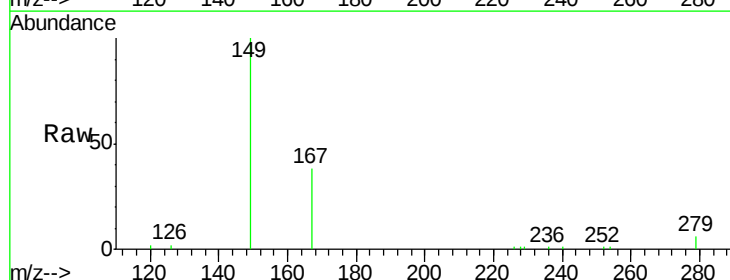
Tgt Ion:149 Resp: 26309

Ion Ratio Lower Upper

149 100

167 30.0 19.5 29.3#

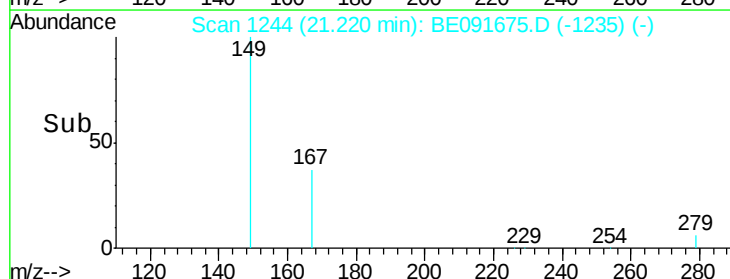
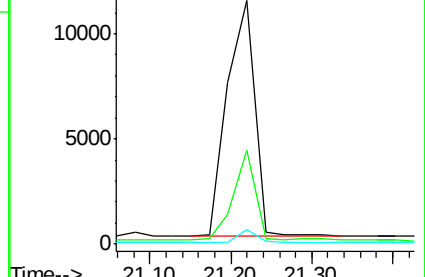
279 4.0 10.0 15.0#

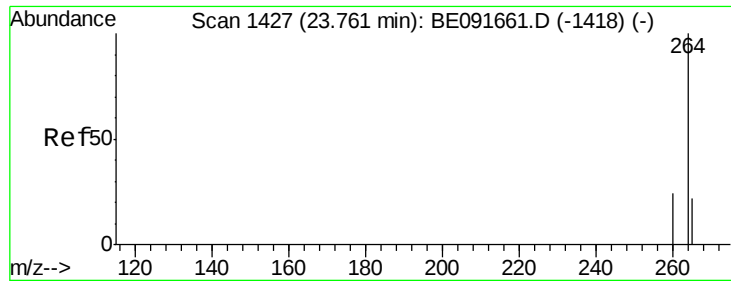


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

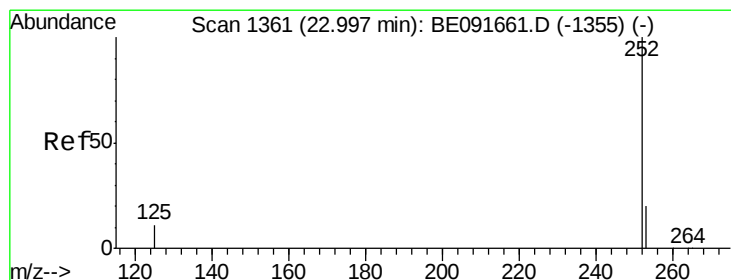
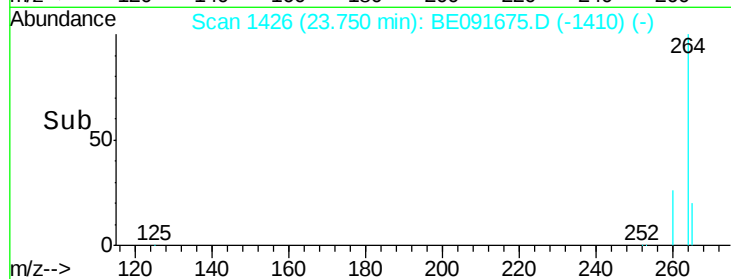
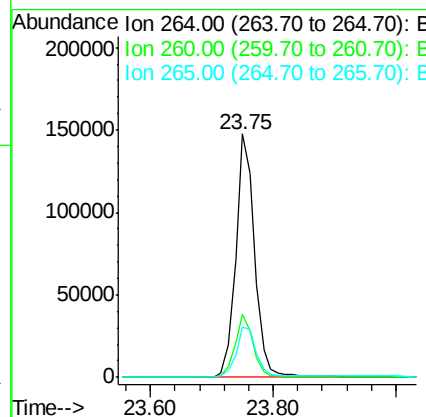
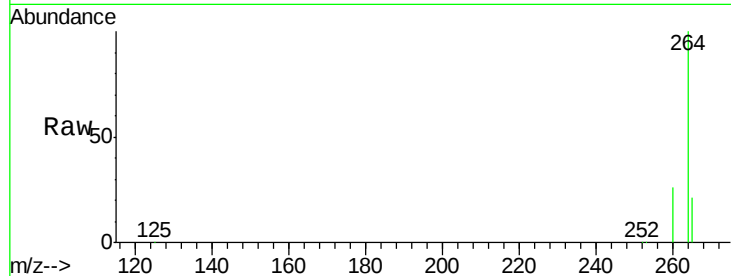




#35
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.75 min Scan# 1426
 Delta R.T. -0.01 min
 Lab File: BE091675.D
 Acq: 18 Apr 2016 22:17

Instrument :
 BNA_E
 ClientSampleId :
 BCR08

Tgt Ion: 264 Resp: 315297
 Ion Ratio Lower Upper
 264 100
 260 25.9 20.0 30.0
 265 20.6 17.5 26.3



#36
 Benzo(b)fluoranthene
 Concen: 0.02 ng
 RT: 23.00 min Scan# 1361
 Delta R.T. 0.00 min
 Lab File: BE091675.D
 Acq: 18 Apr 2016 22:17

Tgt Ion: 252 Resp: 1523
 Ion Ratio Lower Upper
 252 100
 253 45.8 17.4 26.0#
 125 60.7 10.2 15.2#

