

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE051017\
 Data File : BE092984.D
 Acq On : 10 May 2017 16:26
 Operator : SJ/MA
 Sample : I2893-05RE
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 3064-PP4RE

Quant Time: May 11 05:10:23 2017
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE051017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 10 03:43:15 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.77	152	778	0.40	ng	0.00
7) Naphthalene-d8	10.53	136	3159	0.40	ng	0.00
13) Acenaphthene-d10	14.39	164	1206	0.40	ng	0.00
19) Phenanthrene-d10	17.13	188	4198	0.40	ng	0.00
26) Chrysene-d12	21.28	240	3970	0.40	ng	0.00
33) Perylene-d12	23.69	264	969	0.40	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.36	112	340	0.16	ng	0.00
5) Phenol-d6	6.94	99	250	0.09	ng	0.00
8) Nitrobenzene-d5	8.90	82	822	0.33	ng	0.00
11) 2-Methylnaphthalene-d10	12.12	152	1701	0.38	ng	-0.02
14) 2,4,6-Tribromophenol	15.86	330	124	0.39	ng	-0.01
15) 2-Fluorobiphenyl	13.01	172	2602	0.58	ng	0.00
24) Fluoranthene-d10	19.15	212	4089	0.37	ng	0.00
28) Terphenyl-d14	19.74	244	3619	0.59	ng	0.00

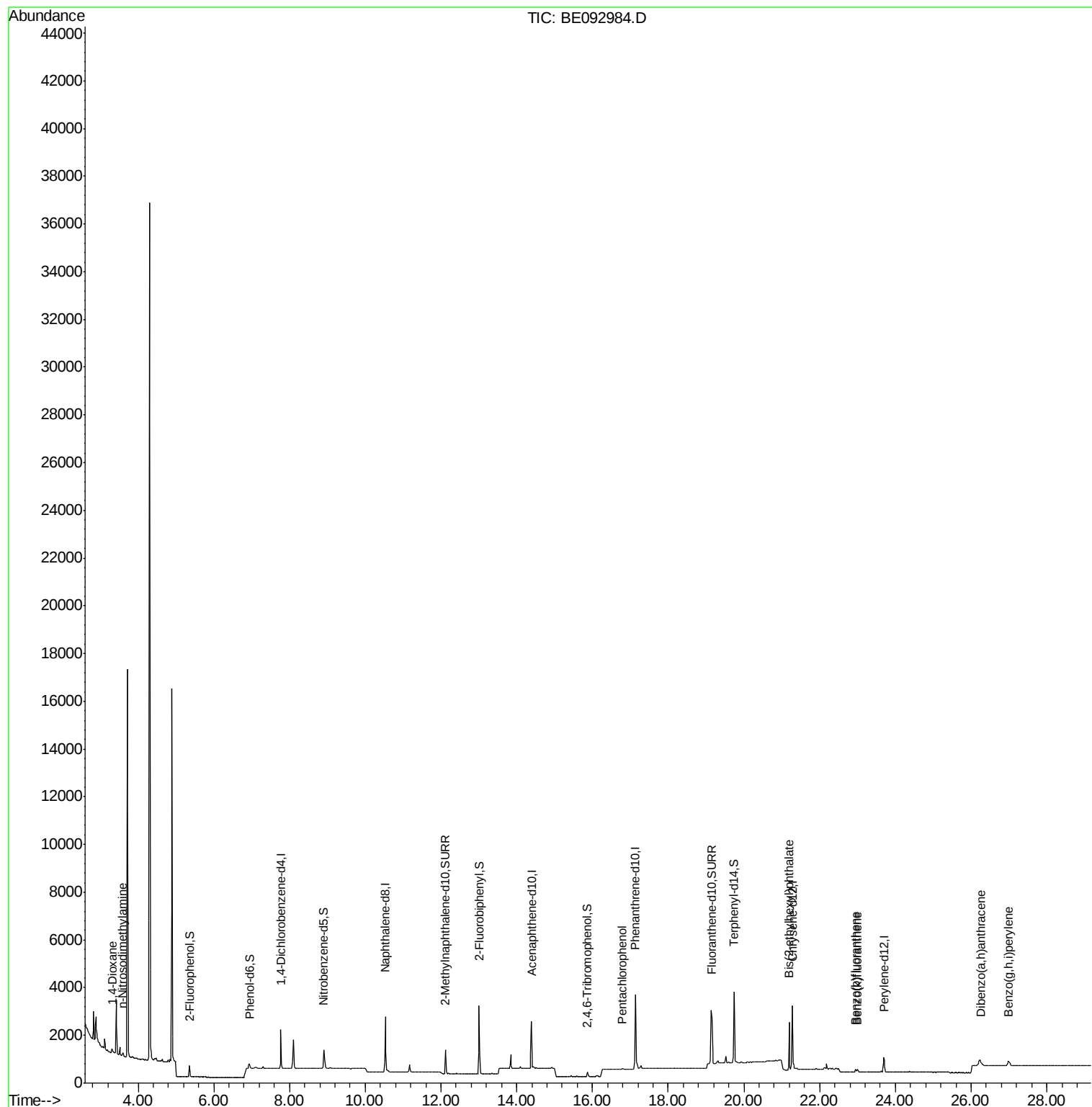
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.32	88	219	0.13	ng	# 83
3) n-Nitrosodimethylamine	3.59	42	31	0.02	ng	# 1
21) Pentachlorophenol	16.79	266	18	0.16	ng	# 85
31) Bis(2-ethylhexyl)phthalate	21.20	149	1837	0.51	ng	97
34) Benzo(b)fluoranthene	22.95	252	180	0.06	ng	# 15
35) Benzo(k)fluoranthene	23.00	252	132	0.04	ng	# 1
37) Dibenzo(a,h)anthracene	26.25	278	139	0.05	ng	# 5
38) Benzo(g,h,i)perylene	26.99	276	454	0.04	ng	# 11

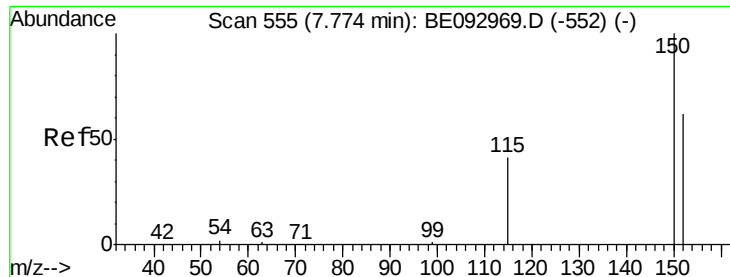
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.40 ng

RT: 7.77 min Scan# 555

Delta R.T. -0.00 min

Lab File: BE092984.D

Acq: 10 May 2017 16:26

Instrument :

BNA_G

ClientSampleId :

3064-PP4RE

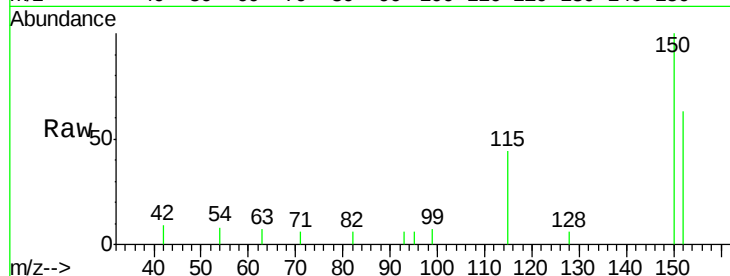
Tgt Ion:152 Resp: 778

Ion Ratio Lower Upper

152 100

150 158.3 125.1 187.7

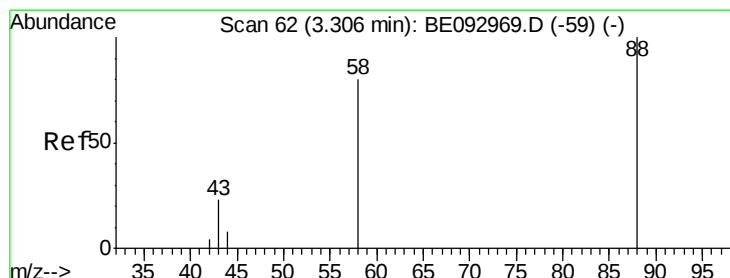
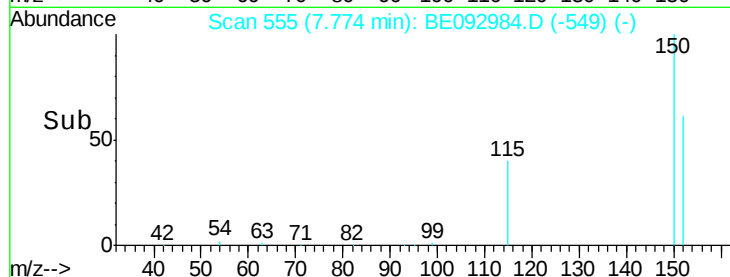
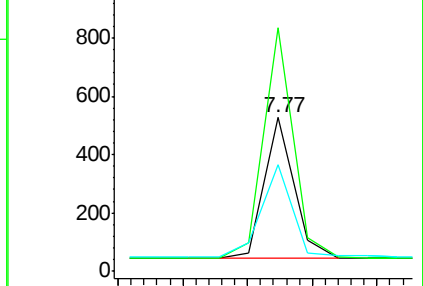
115 69.1 55.7 83.5



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 0.13 ng

RT: 3.32 min Scan# 63

Delta R.T. 0.01 min

Lab File: BE092984.D

Acq: 10 May 2017 16:26

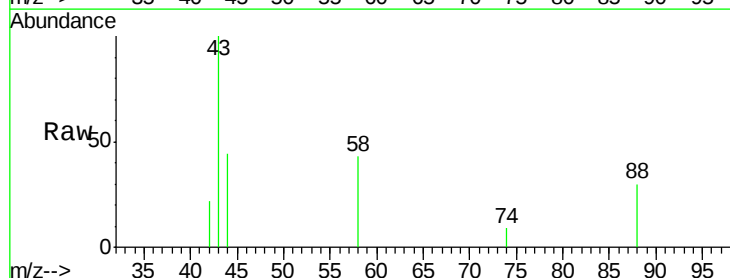
Tgt Ion: 88 Resp: 219

Ion Ratio Lower Upper

88 100

58 75.3 62.2 93.4

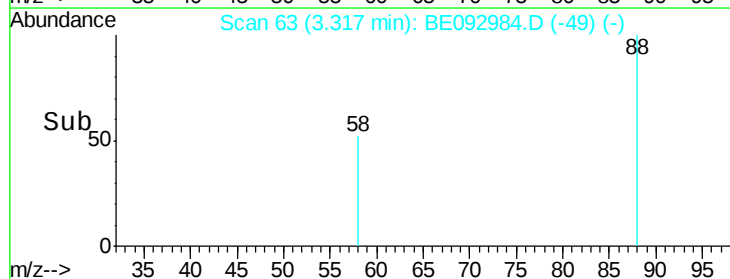
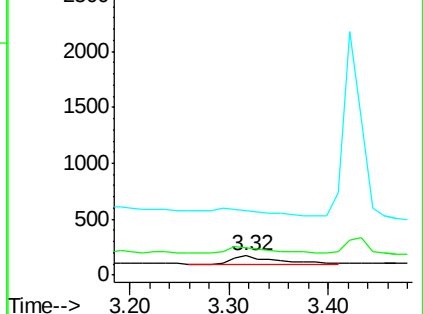
43 0.0 23.2 34.8#

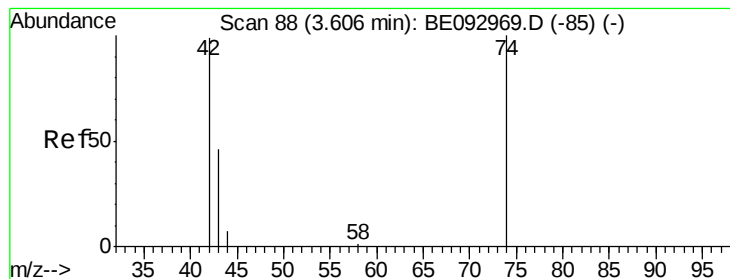


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.02 ng

RT: 3.59 min Scan# 87

Delta R.T. -0.01 min

Lab File: BE092984.D

Acq: 10 May 2017 16:26

Instrument :

BNA_G

ClientSampleId :

3064-PP4RE

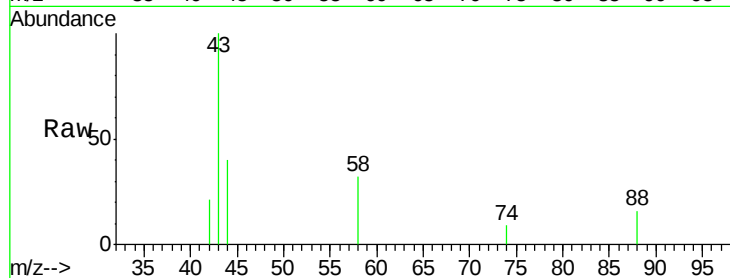
Tgt Ion: 42 Resp: 31

Ion Ratio Lower Upper

42 100

74 0.0 99.1 148.7#

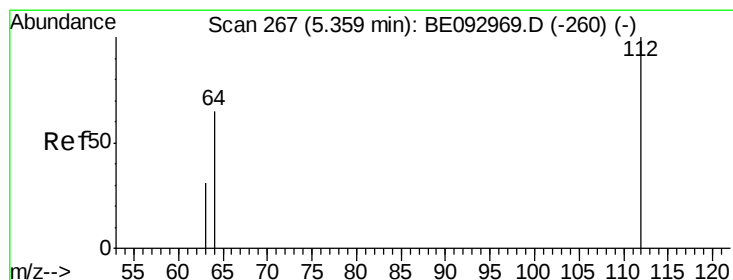
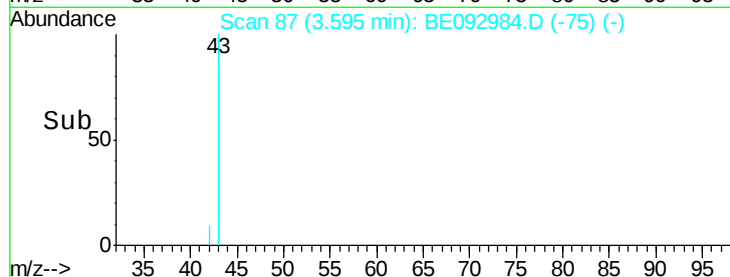
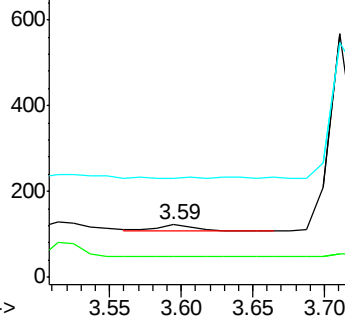
44 0.0 7.4 11.2#



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: 0.16 ng

RT: 5.36 min Scan# 267

Delta R.T. 0.00 min

Lab File: BE092984.D

Acq: 10 May 2017 16:26

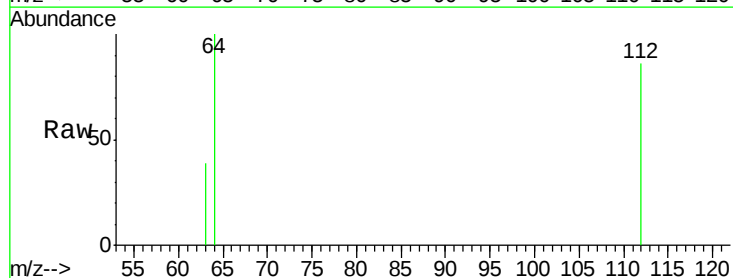
Tgt Ion: 112 Resp: 340

Ion Ratio Lower Upper

112 100

64 71.2 56.4 84.6

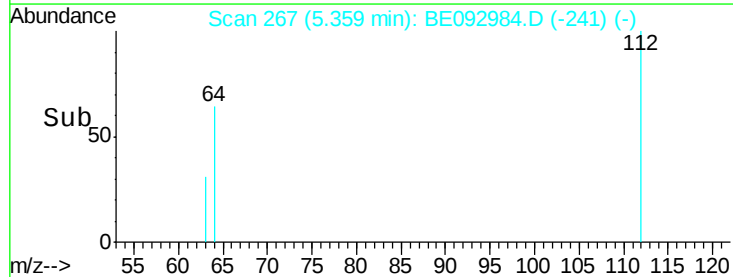
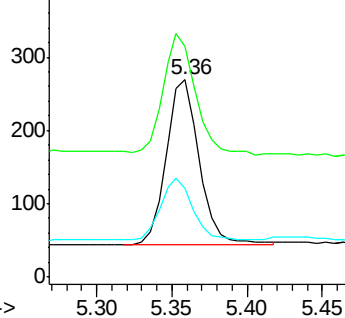
63 36.2 29.3 43.9

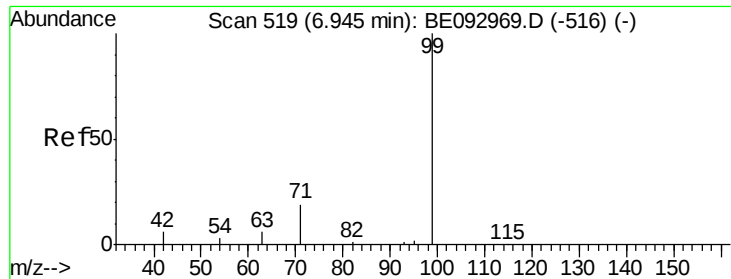


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.09 ng

RT: 6.94 min Scan# 519

Delta R.T. -0.00 min

Lab File: BE092984.D

Acq: 10 May 2017 16:26

Instrument :

BNA_G

ClientSampleId :

3064-PP4RE

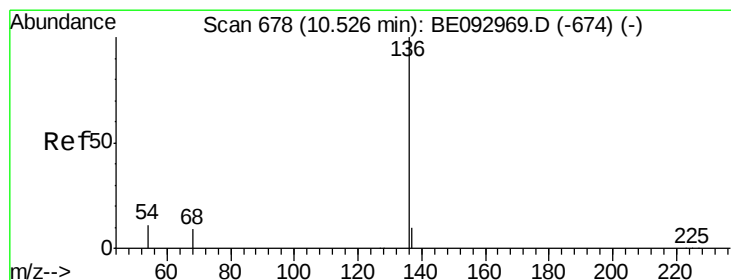
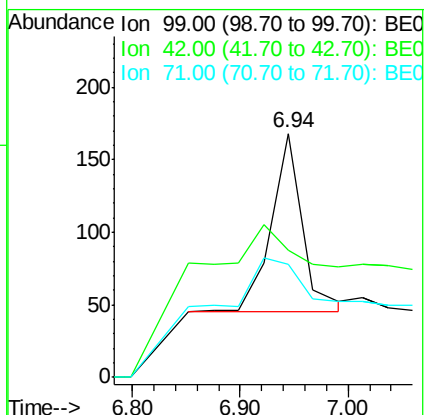
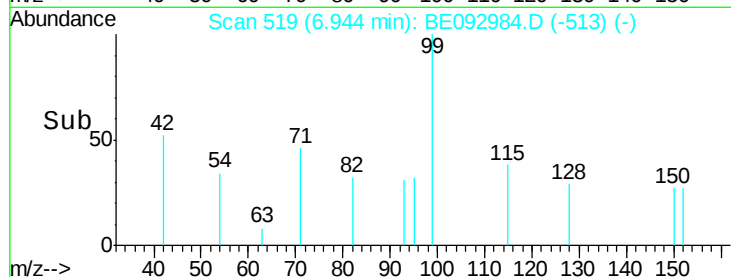
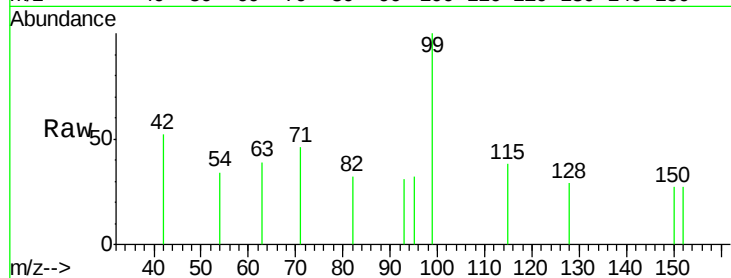
Tgt Ion: 99 Resp: 250

Ion Ratio Lower Upper

99 100

42 0.0 0.0 0.0

71 0.0 0.0 0.0



#7

Naphthalene-d8

Concen: 0.40 ng

RT: 10.53 min Scan# 678

Delta R.T. -0.00 min

Lab File: BE092984.D

Acq: 10 May 2017 16:26

Tgt Ion: 136 Resp: 3159

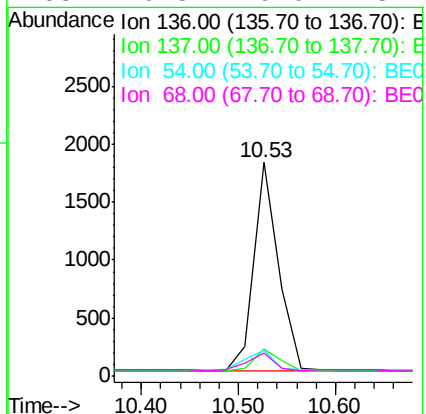
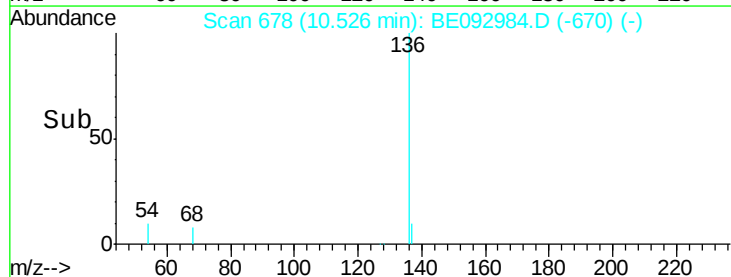
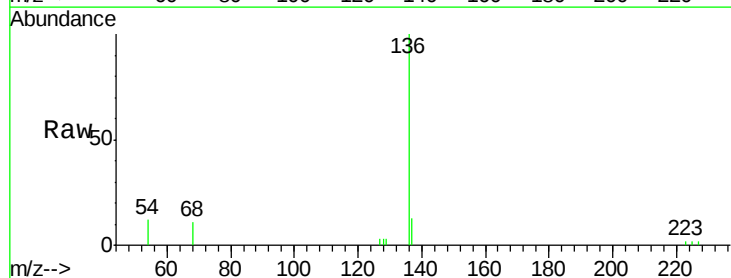
Ion Ratio Lower Upper

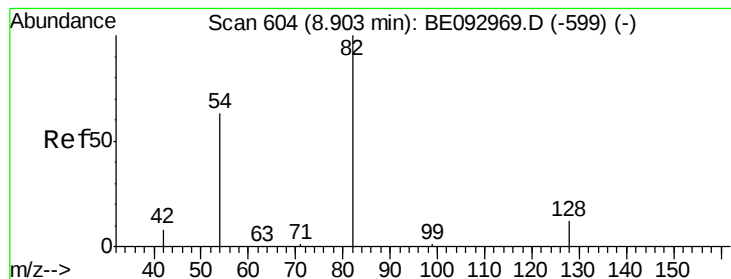
136 100

137 12.5 9.8 14.8

54 12.2 10.3 15.5

68 10.8 9.0 13.4





#8

Nitrobenzene-d5

Concen: 0.33 ng

RT: 8.90 min Scan# 604

Delta R.T. -0.00 min

Lab File: BE092984.D

Acq: 10 May 2017 16:26

Instrument :

BNA_G

ClientSampleId :

3064-PP4RE

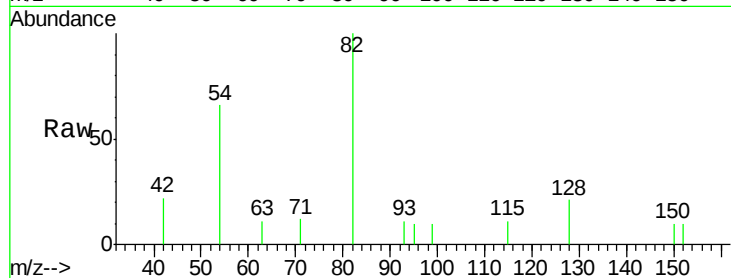
Tgt Ion: 82 Resp: 822

Ion Ratio Lower Upper

82 100

128 20.8 17.0 25.4

54 65.7 53.8 80.6

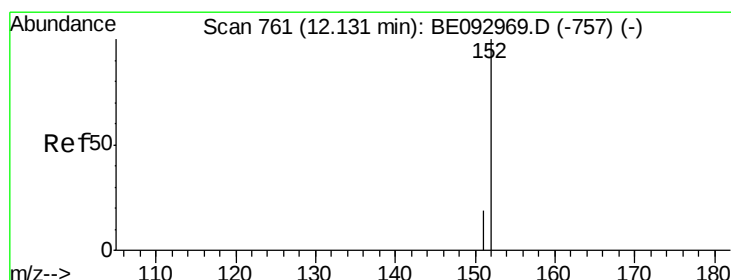
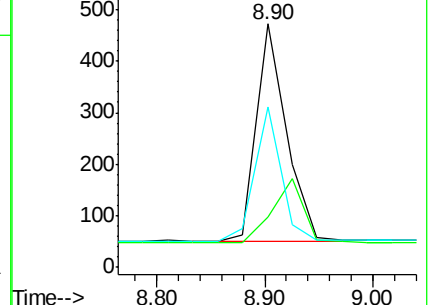
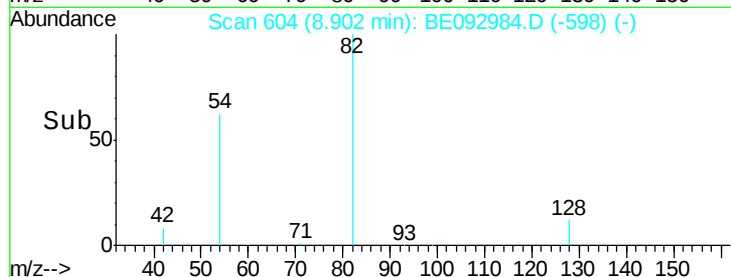


Abundance Ion 82.00 (81.70 to 82.70): BE092969.D (-599) (-)

Ion 128.00 (127.70 to 128.70): BE092969.D (-599) (-)

Ion 54.00 (53.70 to 54.70): BE092969.D (-599) (-)

Time-->



#11

2-Methylnaphthalene-d10

Concen: 0.38 ng

RT: 12.12 min Scan# 760

Delta R.T. -0.02 min

Lab File: BE092984.D

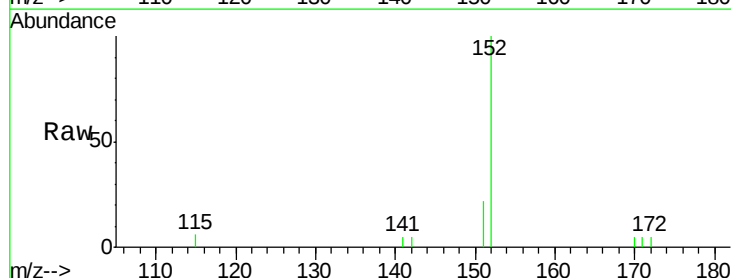
Acq: 10 May 2017 16:26

Tgt Ion: 152 Resp: 1701

Ion Ratio Lower Upper

152 100

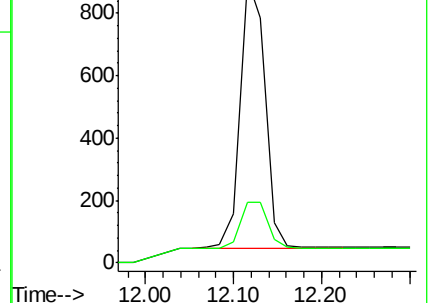
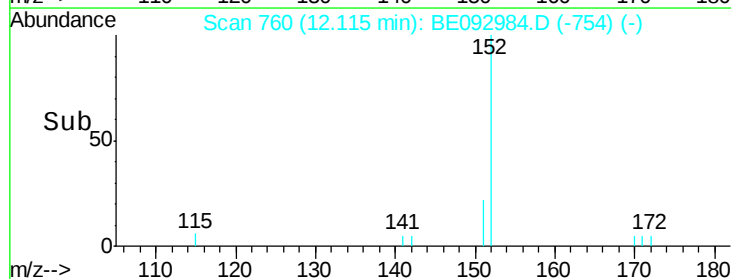
151 19.3 15.1 22.7

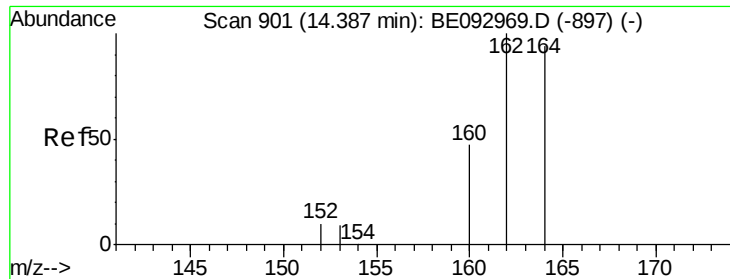


Abundance Ion 152.00 (151.70 to 152.70): BE092969.D (-757) (-)

Ion 151.00 (150.70 to 151.70): BE092969.D (-757) (-)

Time-->





#13

Acenaphthene-d10

Concen: 0.40 ng

RT: 14.39 min Scan# 901

Delta R.T. 0.00 min

Lab File: BE092984.D

Acq: 10 May 2017 16:26

Instrument :

BNA_G

ClientSampleId :

3064-PP4RE

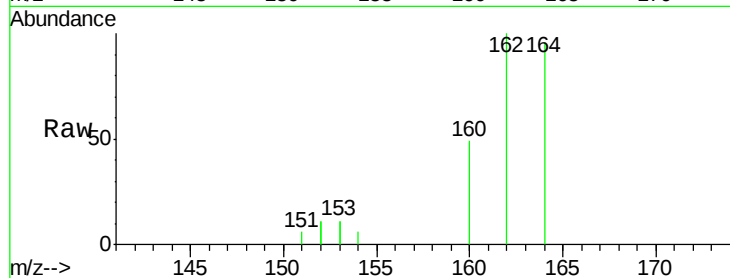
Tgt Ion:164 Resp: 1206

Ion Ratio Lower Upper

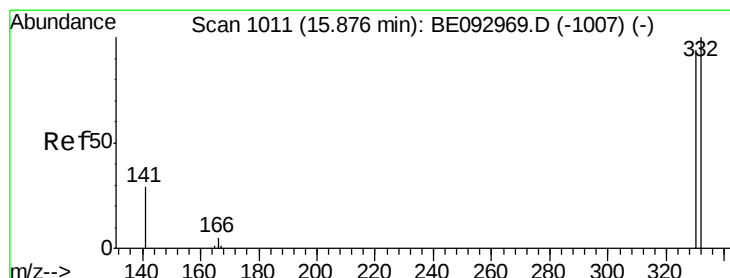
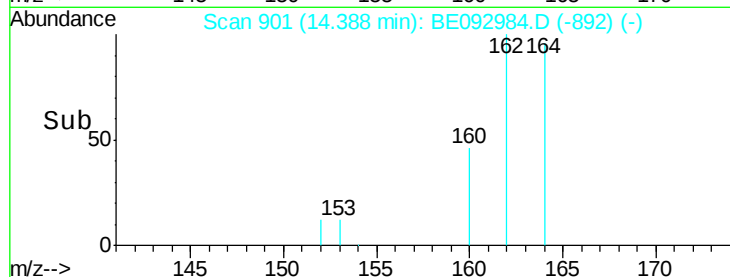
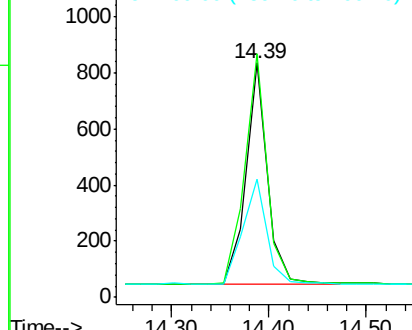
164 100

162 104.0 84.6 127.0

160 50.5 41.8 62.6



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: 0.39 ng

RT: 15.86 min Scan# 1009

Delta R.T. -0.01 min

Lab File: BE092984.D

Acq: 10 May 2017 16:26

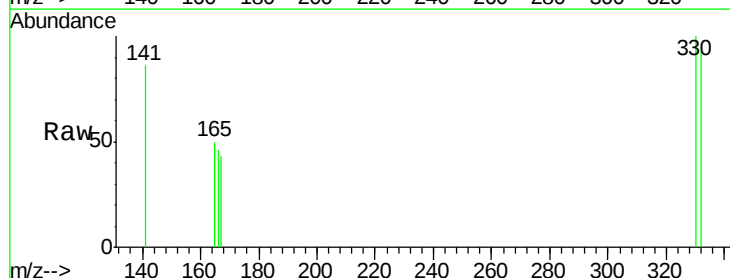
Tgt Ion:330 Resp: 124

Ion Ratio Lower Upper

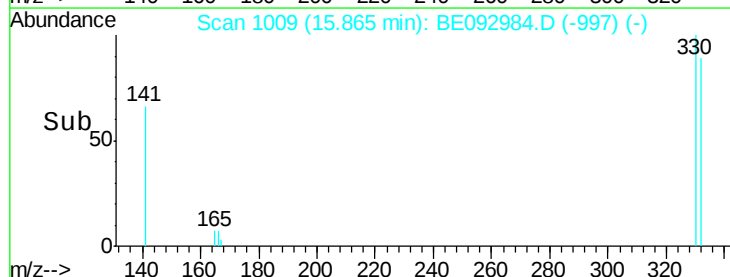
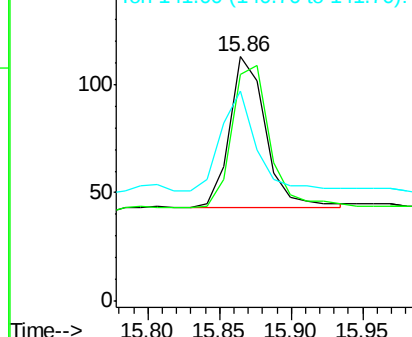
330 100

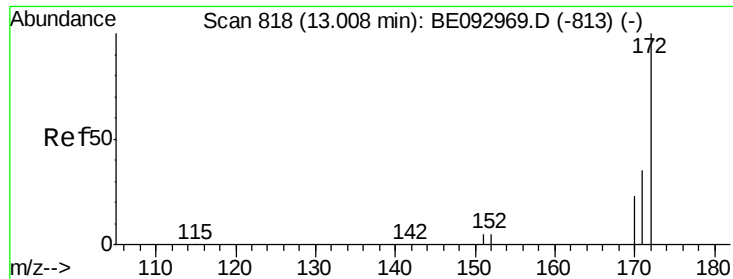
332 100.0 77.7 116.5

141 64.5 56.2 84.4



Abundance Ion 330.00 (329.70 to 330.70): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E

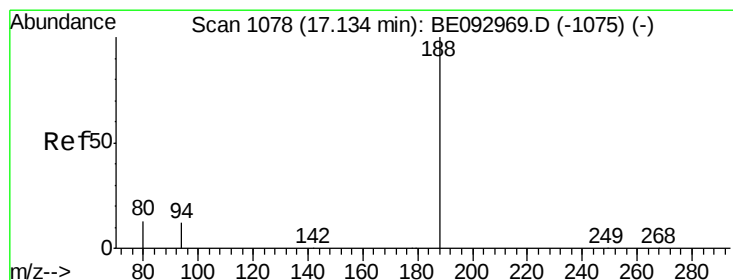
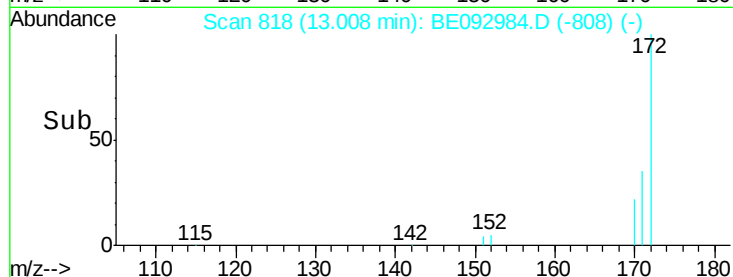
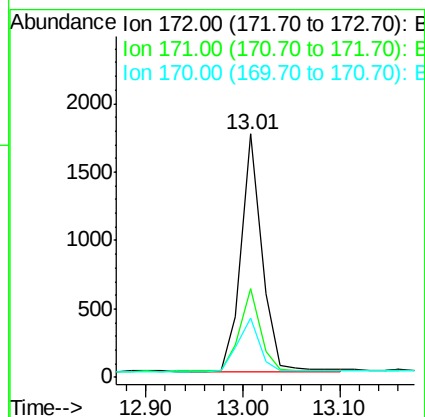
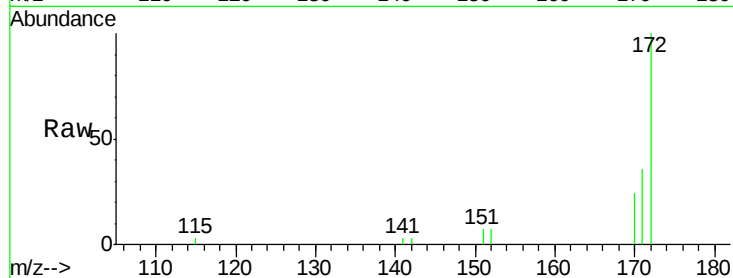




#15
2-Fluorobiphenyl
Concen: 0.58 ng
RT: 13.01 min Scan# 818
Delta R.T. -0.00 min
Lab File: BE092984.D
Acq: 10 May 2017 16:26

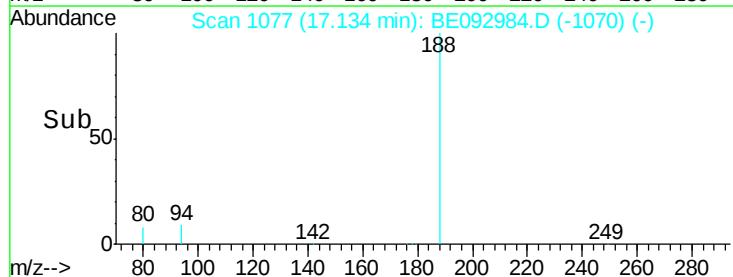
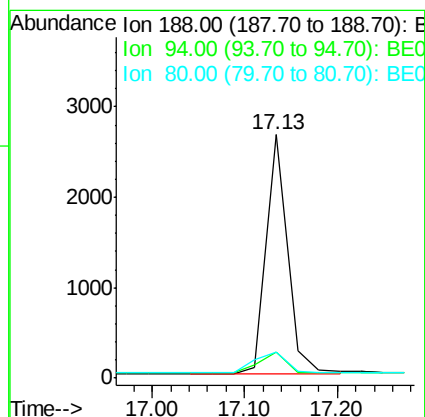
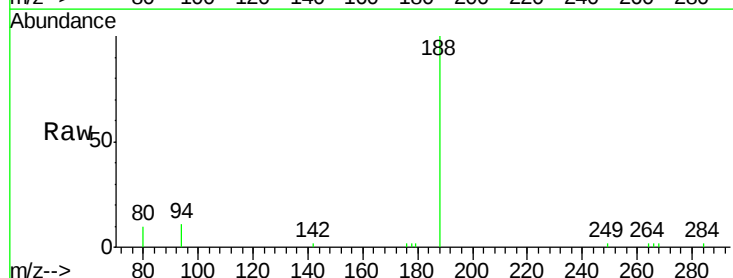
Instrument :
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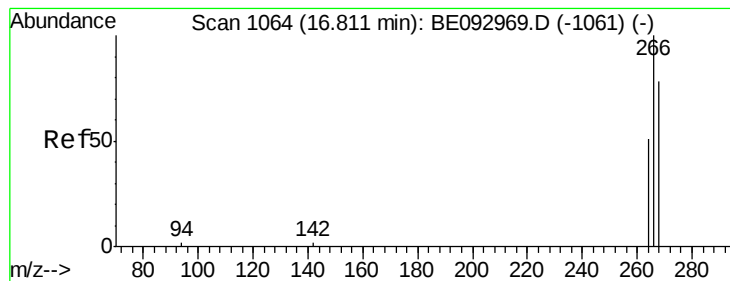
Tgt Ion:172 Resp: 2602
Ion Ratio Lower Upper
172 100
171 36.3 29.8 44.6
170 24.1 20.7 31.1



#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 17.13 min Scan# 1077
Delta R.T. 0.00 min
Lab File: BE092984.D
Acq: 10 May 2017 16:26

Tgt Ion:188 Resp: 4198
Ion Ratio Lower Upper
188 100
94 10.8 11.3 16.9#
80 10.4 11.7 17.5#





#21

Pentachlorophenol

Concen: 0.16 ng

RT: 16.79 min Scan# 1062

Delta R.T. -0.02 min

Lab File: BE092984.D

Acq: 10 May 2017 16:26

Instrument :

BNA_G

ClientSampleId :

3064-PP4RE

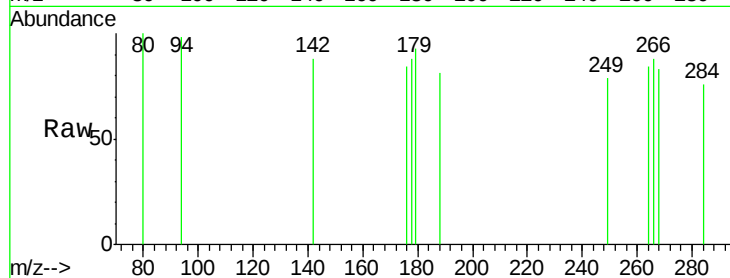
Tgt Ion:266 Resp: 18

Ion Ratio Lower Upper

266 100

264 96.1 58.2 87.2#

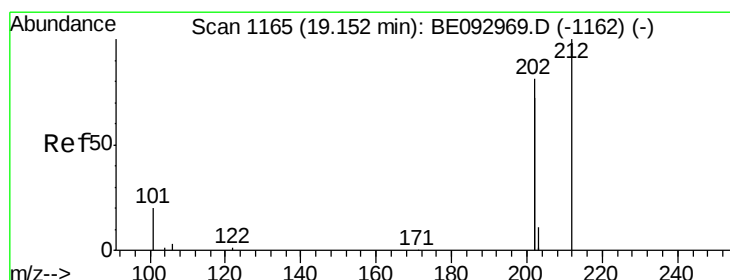
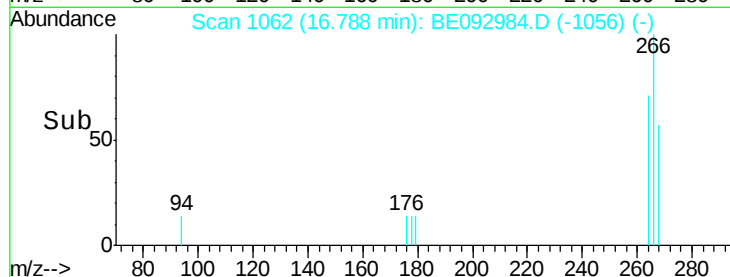
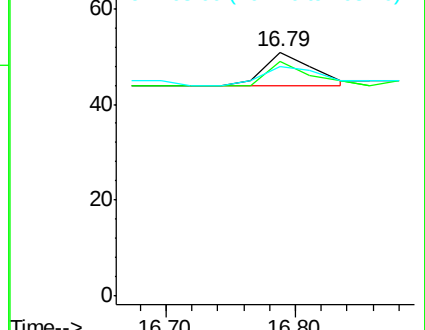
268 94.1 71.9 107.9



Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E



#24

Fluoranthene-d10

Concen: 0.37 ng

RT: 19.15 min Scan# 1164

Delta R.T. -0.00 min

Lab File: BE092984.D

Acq: 10 May 2017 16:26

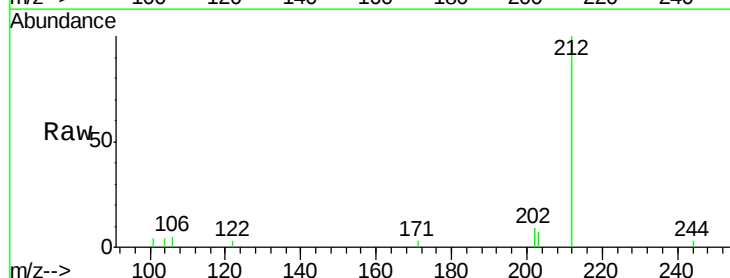
Tgt Ion:212 Resp: 4089

Ion Ratio Lower Upper

212 100

106 0.0 0.0 0.0

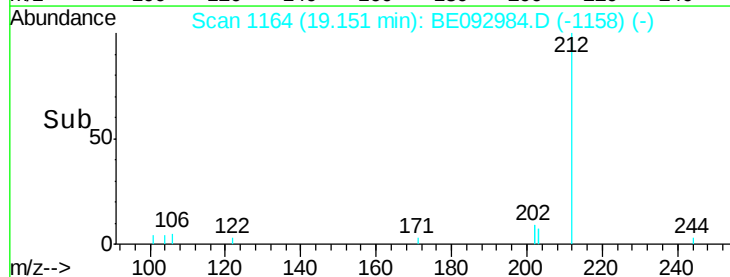
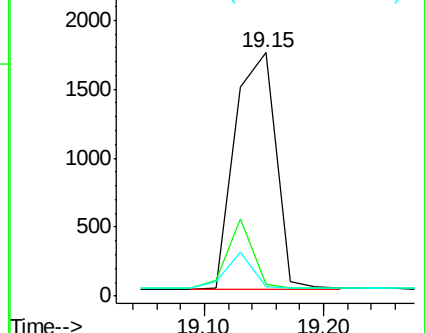
104 0.0 0.0 0.0

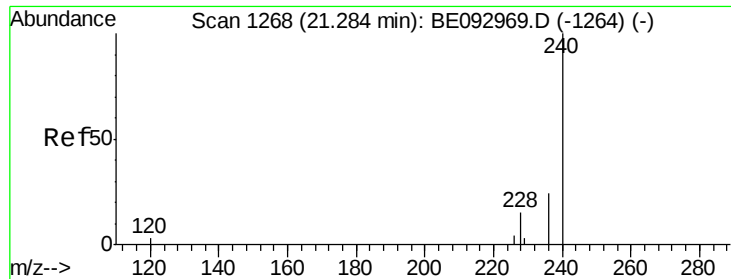


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E

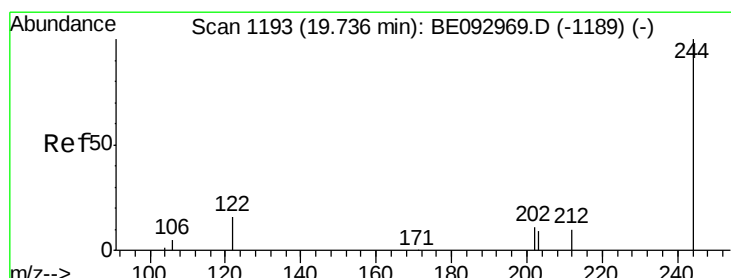
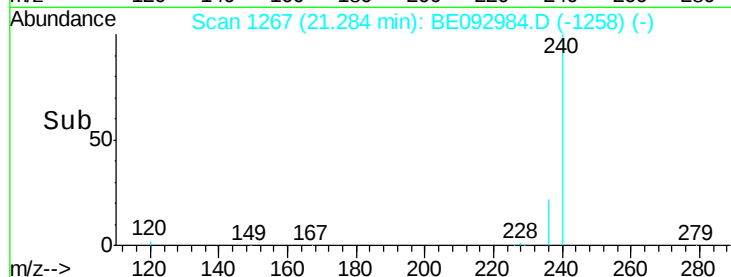
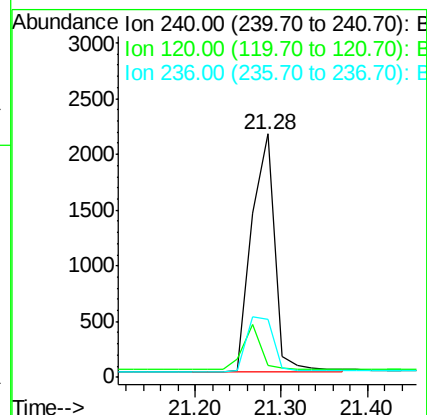
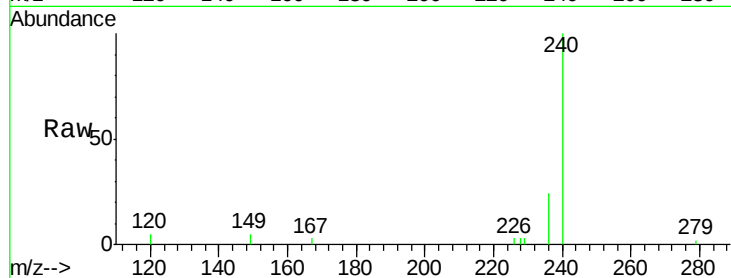




#26
Chrysene-d12
Concen: 0.40 ng
RT: 21.28 min Scan# 1267
Delta R.T. 0.00 min
Lab File: BE092984.D
Acq: 10 May 2017 16:26

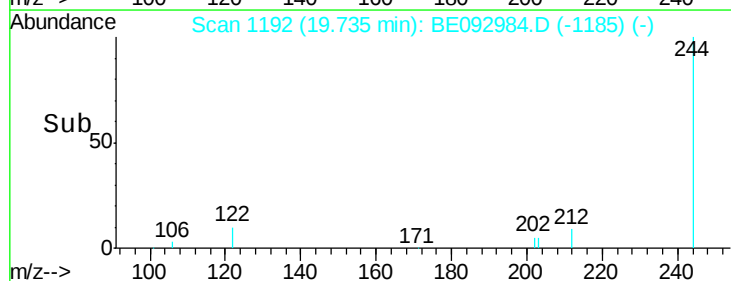
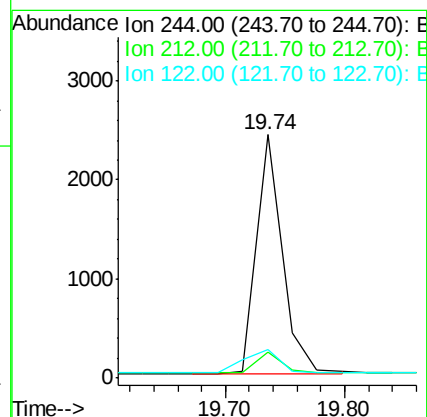
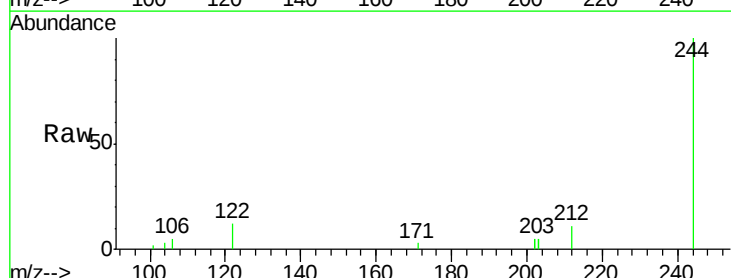
Instrument :
BNA_G
ClientSampleId :
3064-PP4RE

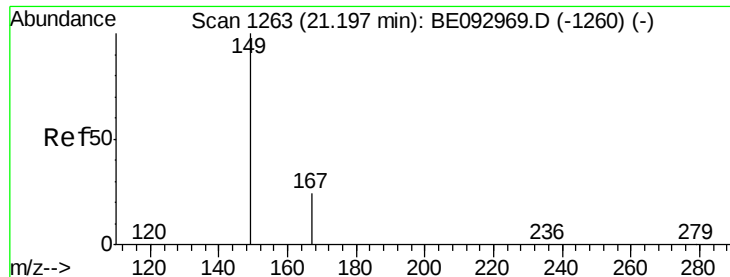
Tgt Ion: 240 Resp: 3970
Ion Ratio Lower Upper
240 100
120 4.9 4.6 7.0
236 23.7 20.8 31.2



#28
Terphenyl-d14
Concen: 0.59 ng
RT: 19.74 min Scan# 1192
Delta R.T. -0.00 min
Lab File: BE092984.D
Acq: 10 May 2017 16:26

Tgt Ion: 244 Resp: 3619
Ion Ratio Lower Upper
244 100
212 10.9 10.6 16.0
122 11.6 15.4 23.0#

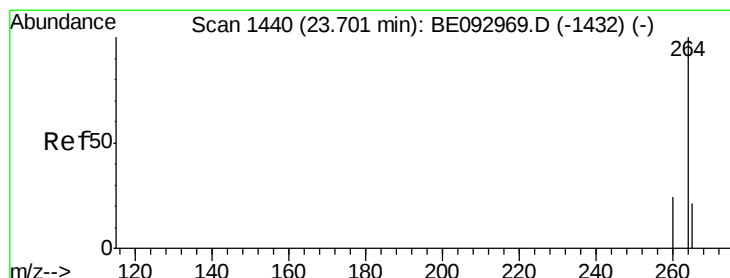
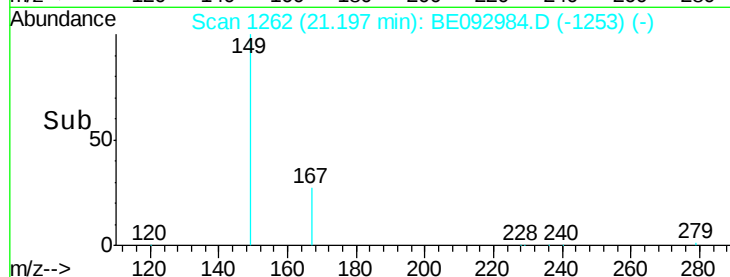
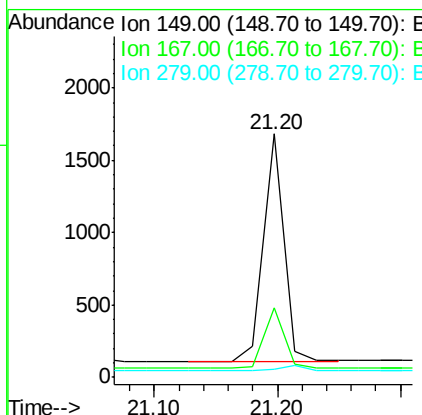
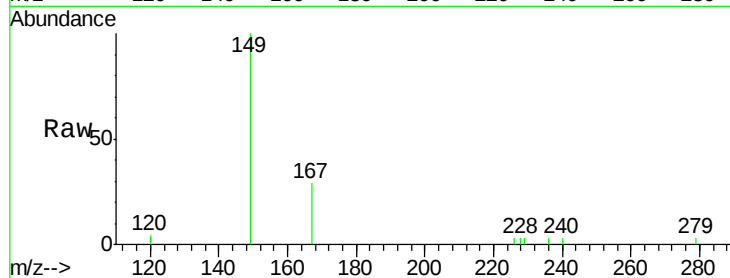




#31
 Bis(2-ethylhexyl)phthalate
 Concen: 0.51 ng
 RT: 21.20 min Scan# 1262
 Delta R.T. 0.00 min
 Lab File: BE092984.D
 Acq: 10 May 2017 16:26

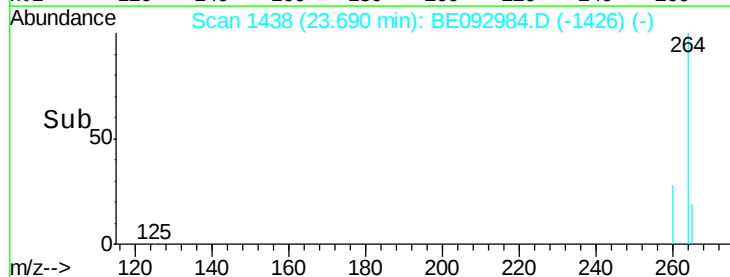
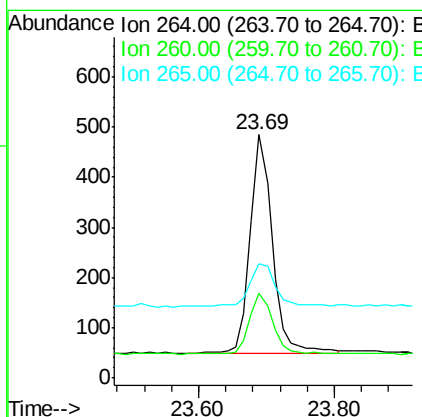
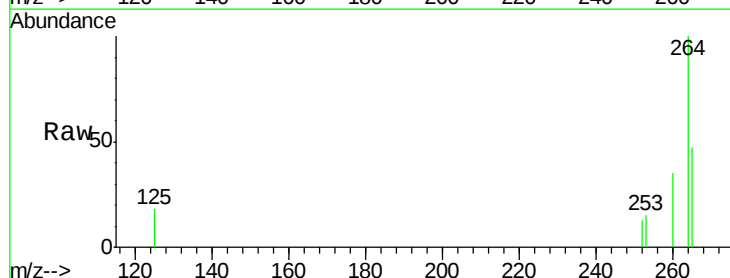
Instrument :
 BNA_G
 ClientSampleId :
 3064-PP4RE

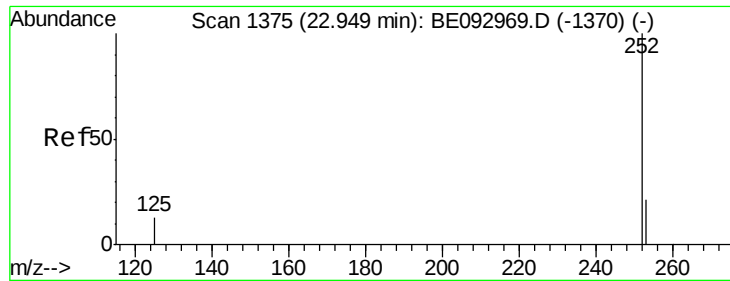
Tgt Ion:149 Resp: 1837
 Ion Ratio Lower Upper
 149 100
 167 26.9 20.1 30.1
 279 3.1 2.2 3.4



#33
 Perylene-d12
 Concen: 0.40 ng
 RT: 23.69 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BE092984.D
 Acq: 10 May 2017 16:26

Tgt Ion:264 Resp: 969
 Ion Ratio Lower Upper
 264 100
 260 34.6 21.0 31.4#
 265 46.8 24.6 36.8#





#34

Benzo(b)fluoranthene

Concen: 0.06 ng

RT: 22.95 min Scan# 1374

Delta R.T. 0.00 min

Lab File: BE092984.D

Acq: 10 May 2017 16:26

Instrument :

BNA_G

ClientSampleId :

3064-PP4RE

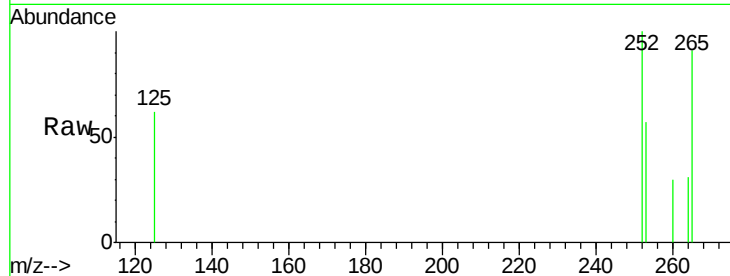
Tgt Ion:252 Resp: 180

Ion Ratio Lower Upper

252 100

253 57.2 18.5 27.7#

125 61.6 13.4 20.0#



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

22.95

150

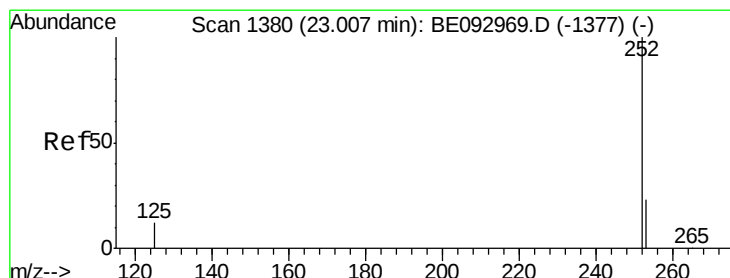
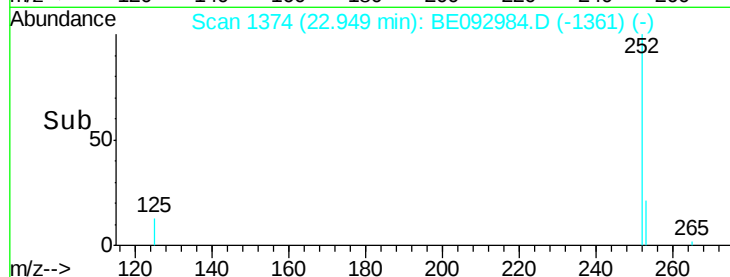
100

50

0

22.85 22.90 22.95 23.00

Time-->



#35

Benzo(k)fluoranthene

Concen: 0.04 ng

RT: 23.00 min Scan# 1378

Delta R.T. -0.01 min

Lab File: BE092984.D

Acq: 10 May 2017 16:26

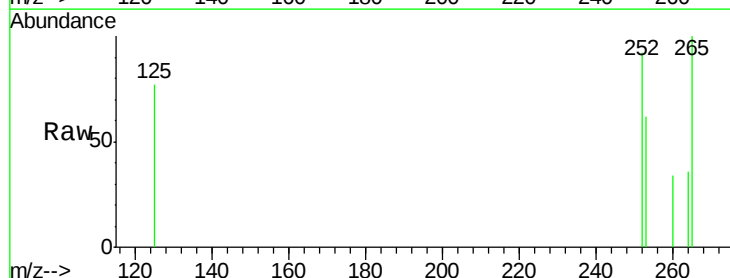
Tgt Ion:252 Resp: 132

Ion Ratio Lower Upper

252 100

253 67.2 20.3 30.5#

125 83.2 12.2 18.4#



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

23.00

150

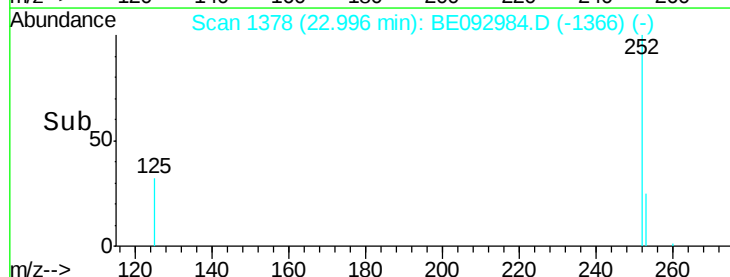
100

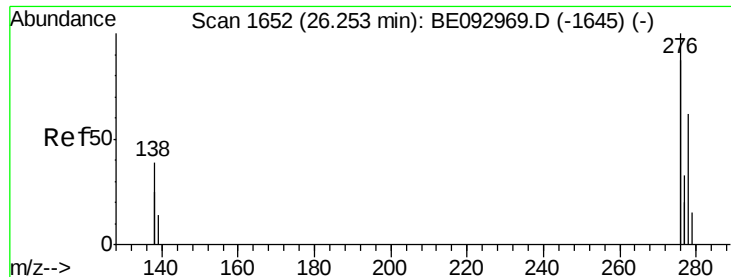
50

0

23.00 23.10

Time-->





#37

Dibenzo(a,h)anthracene

Concen: 0.05 ng

RT: 26.25 min Scan# 1651

Delta R.T. -0.00 min

Lab File: BE092984.D

Acq: 10 May 2017 16:26

Instrument :

BNA_G

ClientSampleId :

3064-PP4RE

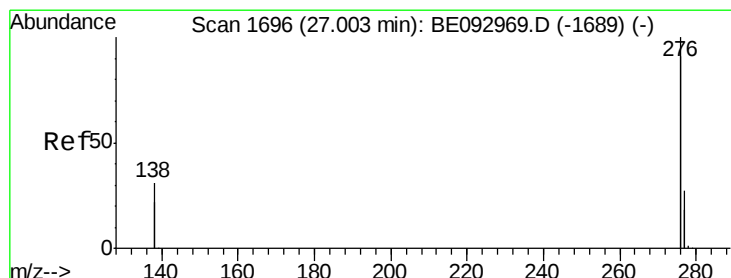
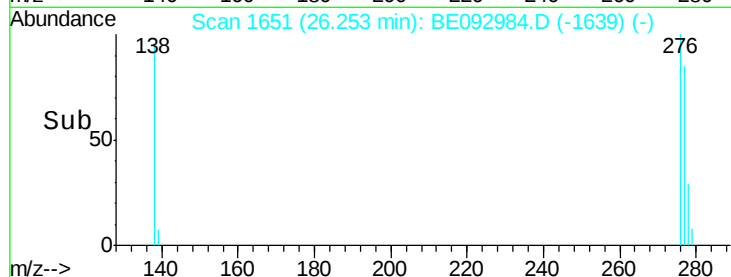
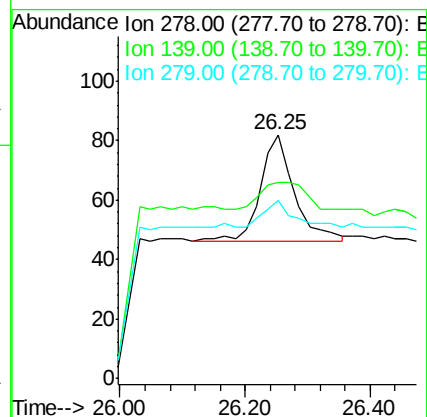
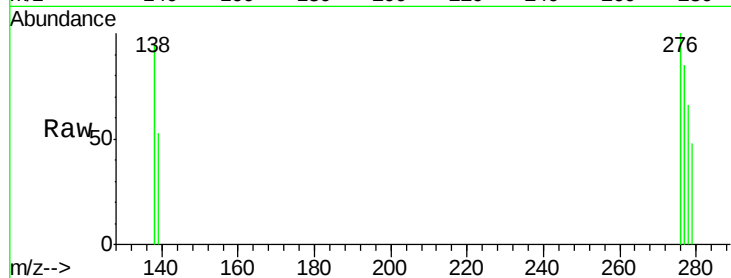
Tgt Ion: 278 Resp: 139

Ion Ratio Lower Upper

278 100

139 80.5 21.4 32.0#

279 73.2 22.2 33.2#



#38

Benzo(g,h,i)perylene

Concen: 0.04 ng

RT: 26.99 min Scan# 1694

Delta R.T. -0.02 min

Lab File: BE092984.D

Acq: 10 May 2017 16:26

Tgt Ion: 276 Resp: 454

Ion Ratio Lower Upper

276 100

277 71.5 21.2 31.8#

138 80.1 24.5 36.7#

