

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE051017\
 Data File : BE092985.D
 Acq On : 10 May 2017 17:01
 Operator : SJ/MA
 Sample : I2893-15RE
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 3074-CC5RE

Quant Time: May 11 05:10:36 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	803	0.40	ng	0.00
7) Naphthalene-d8	10.53	136	3088	0.40	ng	0.00
13) Acenaphthene-d10	14.39	164	431	0.40	ng	0.00
19) Phenanthrene-d10	17.13	188	2940	0.40	ng	0.00
26) Chrysene-d12	21.28	240	690	0.40	ng	0.00
33) Perylene-d12	23.70	264	19	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.36	112	405	0.18	ng	0.00
5) Phenol-d6	6.94	99	658	0.23	ng	0.00
8) Nitrobenzene-d5	8.90	82	900	0.37	ng	0.00
11) 2-Methylnaphthalene-d10	12.13	152	1582	0.37	ng	0.00
14) 2,4,6-Tribromophenol	15.87	330	164	1.46	ng	-0.01
15) 2-Fluorobiphenyl	13.01	172	3528	2.19	ng	0.00
24) Fluoranthene-d10	19.15	212	646	0.08	ng	0.00
28) Terphenyl-d14	19.74	244	2783	2.62	ng	0.00

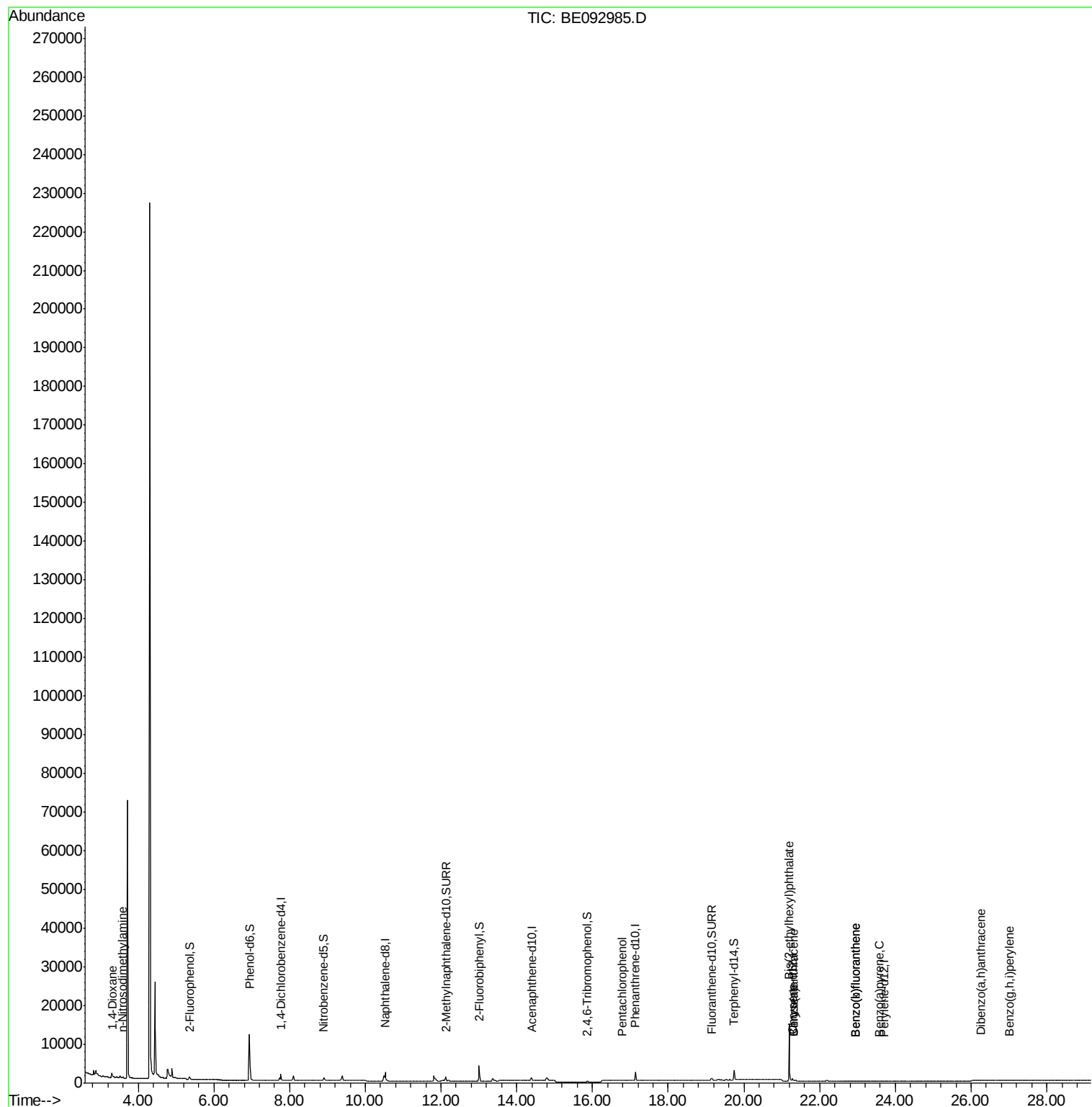
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.32	88	1116	0.66	ng	# 85
3) n-Nitrosodimethylamine	3.59	42	72	0.05	ng	# 1
21) Pentachlorophenol	16.79	266	29	0.20	ng	# 85
29) Benzo(a)anthracene	21.32	228	53	0.03	ng	# 1
30) Chrysene	21.32	228	61	0.03	ng	# 1
31) Bis(2-ethylhexyl)phthalate	21.20	149	14967	10.01	ng	99
34) Benzo(b)fluoranthene	22.95	252	32	0.55	ng	# 1
35) Benzo(k)fluoranthene	22.95	252	26	0.42	ng	# 1
36) Benzo(a)pyrene	23.58	252	8	0.15	ng	# 1
37) Dibenzo(a,h)anthracene	26.25	278	26	0.48	ng	# 1
38) Benzo(g,h,i)perylene	27.00	276	139	0.59	ng	# 1

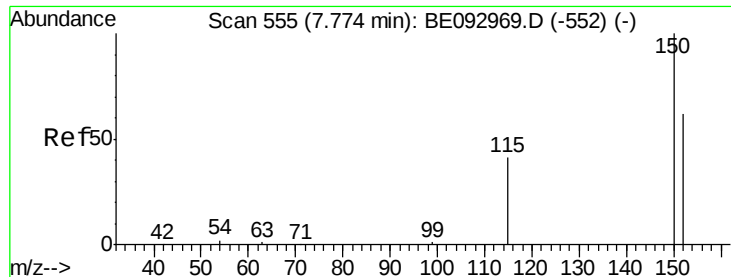
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.40 ng

RT: 7.77 min Scan# 555

Delta R.T. -0.00 min

Lab File: BE092985.D

Acq: 10 May 2017 17:01

Instrument :

BNA_G

ClientSampleId :

3074-CC5RE

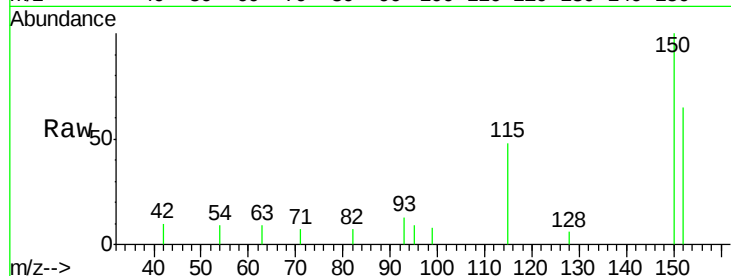
Tgt Ion:152 Resp: 803

Ion Ratio Lower Upper

152 100

150 154.1 125.1 187.7

115 73.8 55.7 83.5



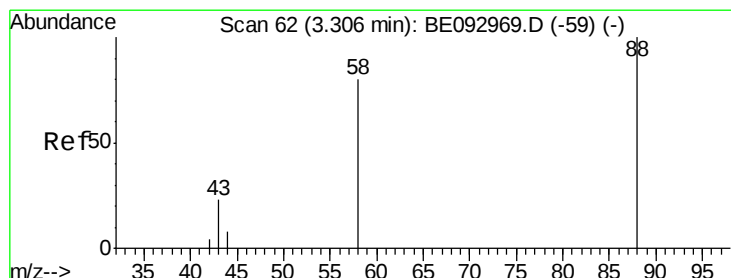
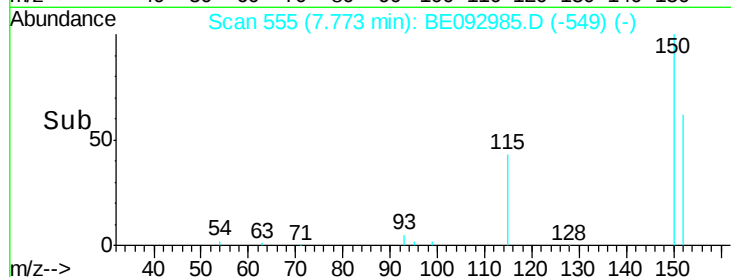
Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E

7.77

Time-->



#2

1,4-Dioxane

Concen: 0.66 ng

RT: 3.32 min Scan# 63

Delta R.T. 0.01 min

Lab File: BE092985.D

Acq: 10 May 2017 17:01

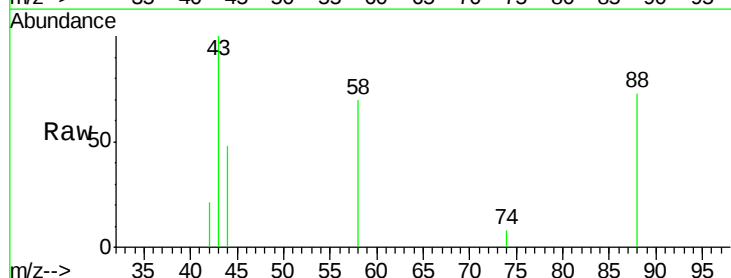
Tgt Ion: 88 Resp: 1116

Ion Ratio Lower Upper

88 100

58 79.8 62.2 93.4

43 54.6 23.2 34.8#



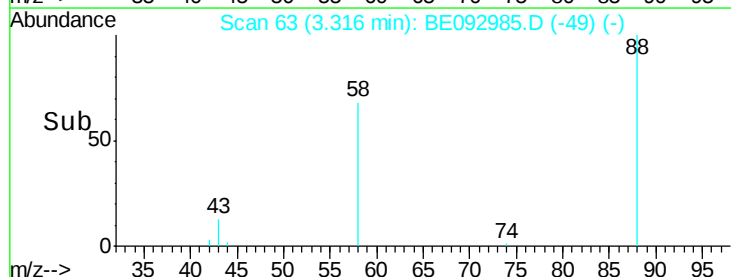
Abundance Ion 88.00 (87.70 to 88.70): BE0

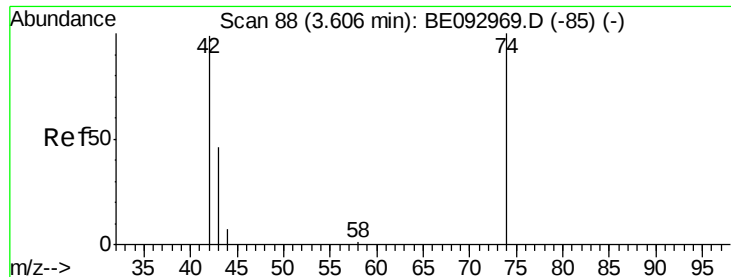
Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0

3.32

Time-->





#3

n-Nitrosodimethylamine

Concen: 0.05 ng

RT: 3.59 min Scan# 87

Delta R.T. -0.01 min

Lab File: BE092985.D

Acq: 10 May 2017 17:01

Instrument :

BNA_G

ClientSampleId :

3074-CC5RE

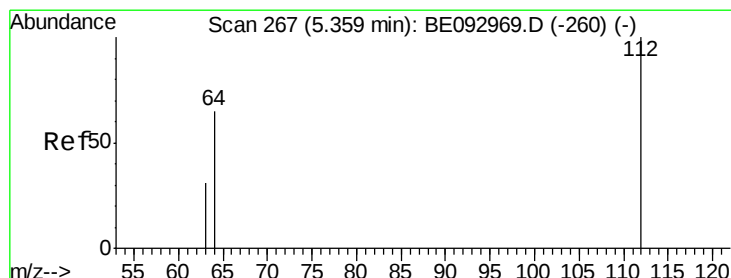
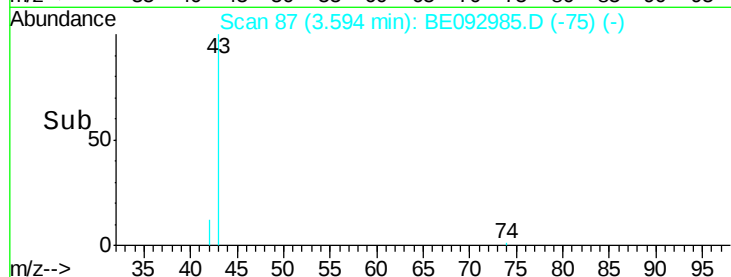
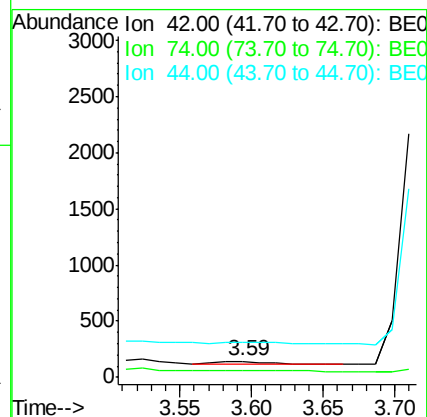
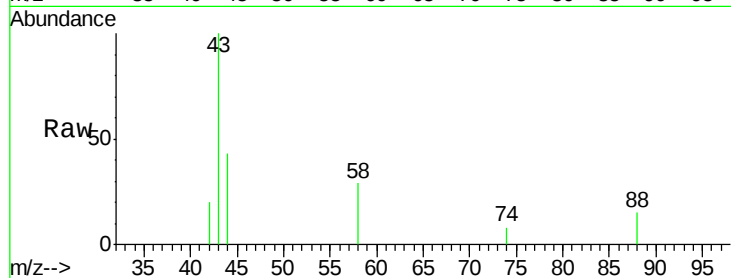
Tgt Ion: 42 Resp: 72

Ion Ratio Lower Upper

42 100

74 12.5 99.1 148.7#

44 58.3 7.4 11.2#



#4

2-Fluorophenol

Concen: 0.18 ng

RT: 5.36 min Scan# 267

Delta R.T. 0.00 min

Lab File: BE092985.D

Acq: 10 May 2017 17:01

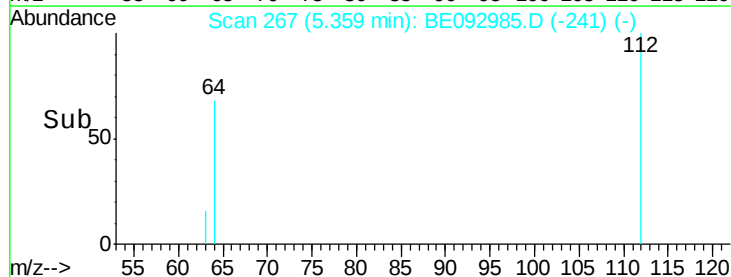
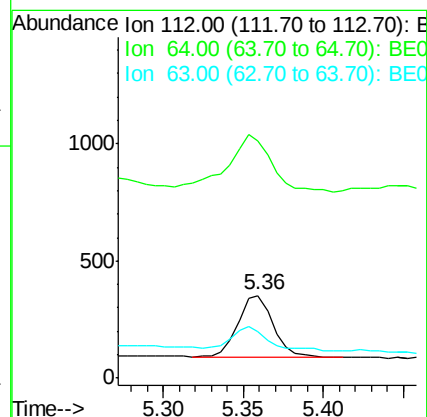
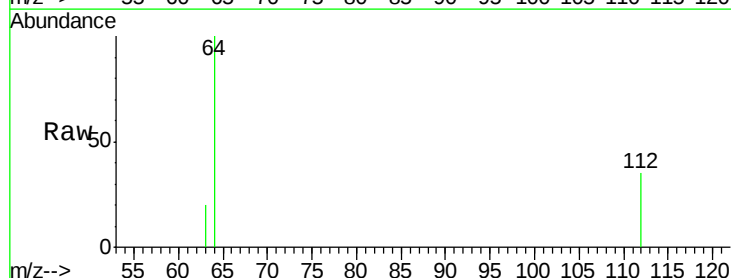
Tgt Ion: 112 Resp: 405

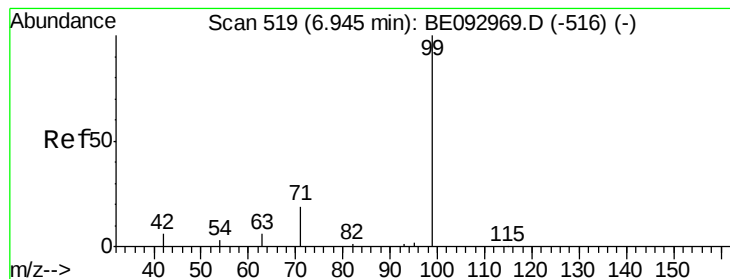
Ion Ratio Lower Upper

112 100

64 116.5 56.4 84.6#

63 42.0 29.3 43.9





#5

Phenol-d6

Concen: 0.23 ng

RT: 6.94 min Scan# 519

Delta R.T. -0.00 min

Lab File: BE092985.D

Acq: 10 May 2017 17:01

Instrument :

BNA_G

ClientSampleId :

3074-CC5RE

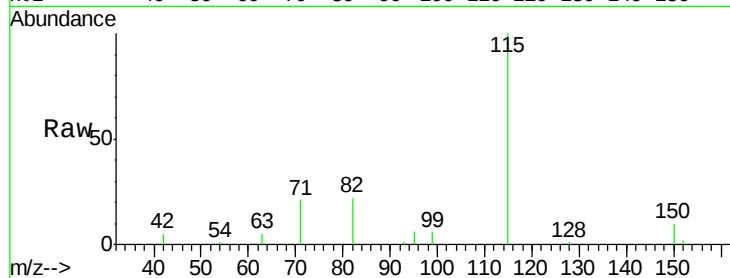
Tgt Ion: 99 Resp: 658

Ion Ratio Lower Upper

99 100

42 87.2 0.0 0.0#

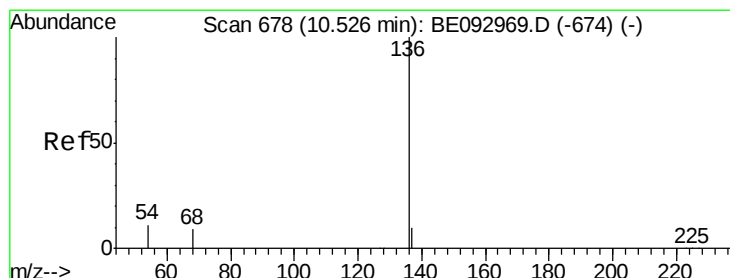
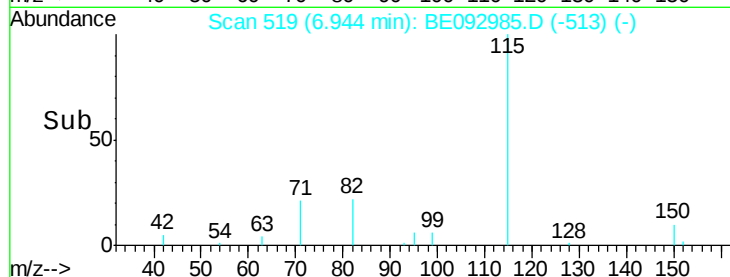
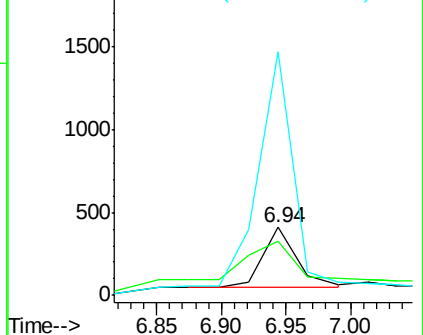
71 399.2 0.0 0.0#



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: 0.40 ng

RT: 10.53 min Scan# 678

Delta R.T. 0.00 min

Lab File: BE092985.D

Acq: 10 May 2017 17:01

Tgt Ion: 136 Resp: 3088

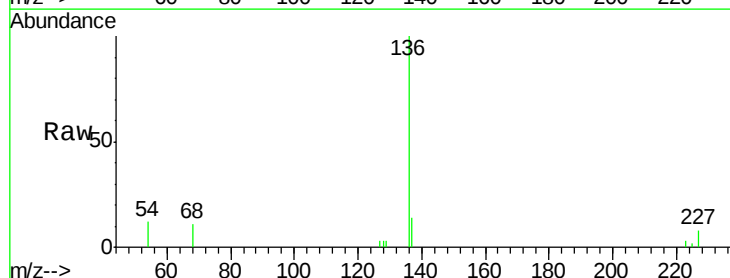
Ion Ratio Lower Upper

136 100

137 14.3 9.8 14.8

54 12.0 10.3 15.5

68 11.0 9.0 13.4

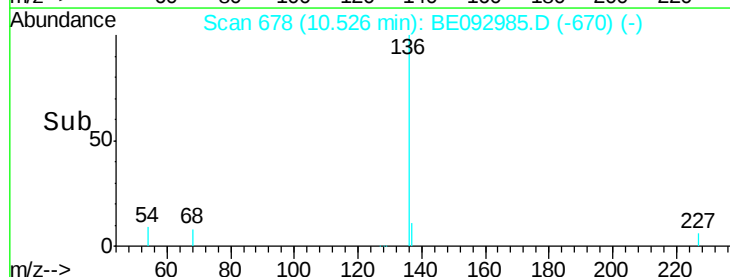
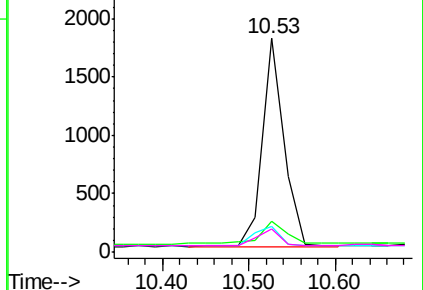


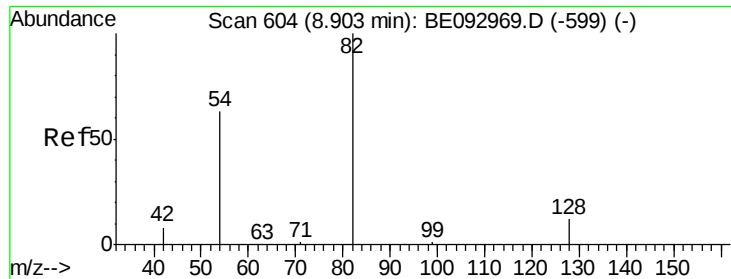
Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.37 ng

RT: 8.90 min Scan# 604

Delta R.T. -0.00 min

Lab File: BE092985.D

Acq: 10 May 2017 17:01

Instrument :

BNA_G

ClientSampleId :

3074-CC5RE

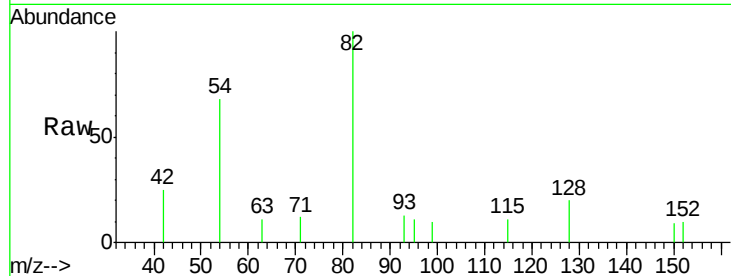
Tgt Ion: 82 Resp: 900

Ion Ratio Lower Upper

82 100

128 20.5 17.0 25.4

54 67.6 53.8 80.6

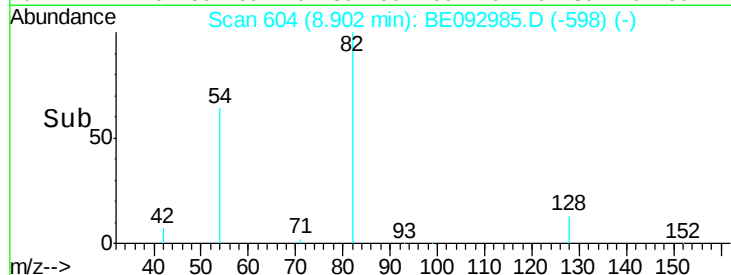


Abundance Ion 82.00 (81.70 to 82.70): BE0

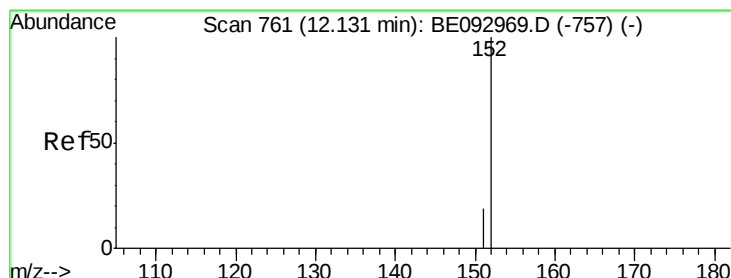
Ion 128.00 (127.70 to 128.70): BE0

Ion 54.00 (53.70 to 54.70): BE0

Time-->



Time-->



#11

2-Methylnaphthalene-d10

Concen: 0.37 ng

RT: 12.13 min Scan# 761

Delta R.T. -0.00 min

Lab File: BE092985.D

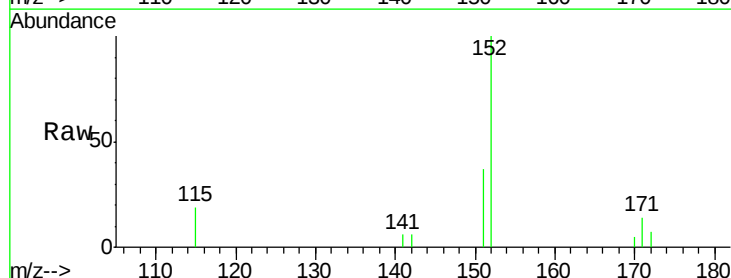
Acq: 10 May 2017 17:01

Tgt Ion: 152 Resp: 1582

Ion Ratio Lower Upper

152 100

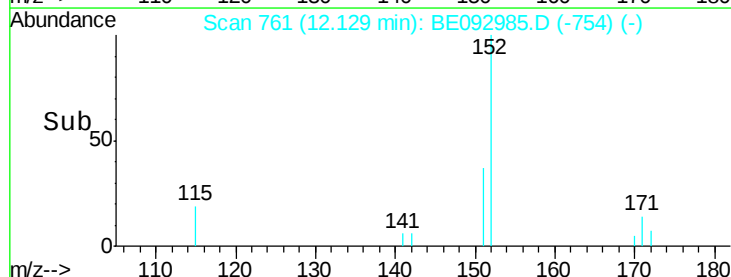
151 30.3 15.1 22.7#



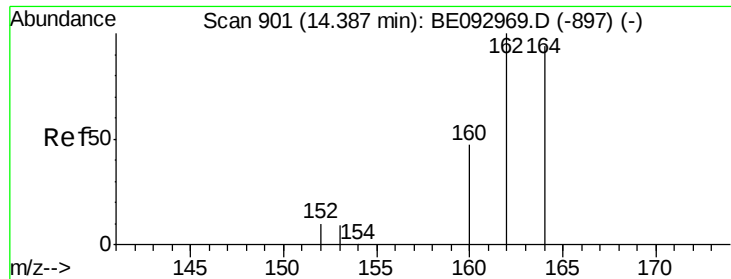
Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Time-->



Time-->



#13

Acenaphthene-d10

Concen: 0.40 ng

RT: 14.39 min Scan# 901

Delta R.T. -0.00 min

Lab File: BE092985.D

Acq: 10 May 2017 17:01

Instrument :

BNA_G

ClientSampleId :

3074-CC5RE

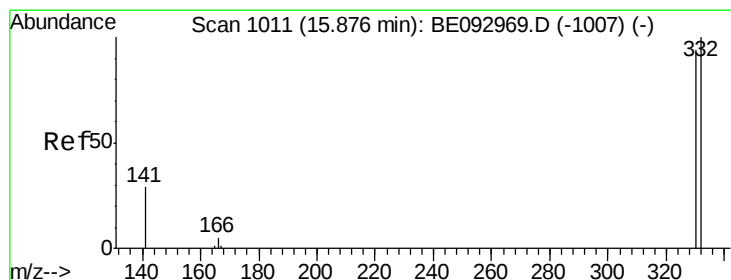
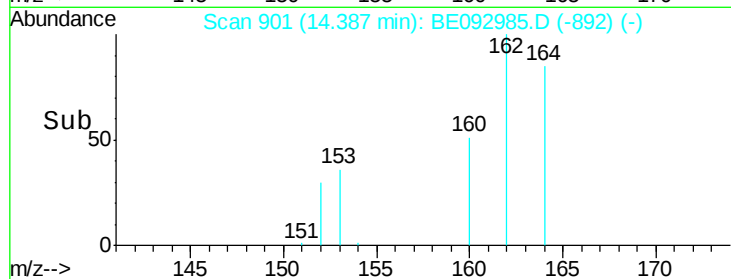
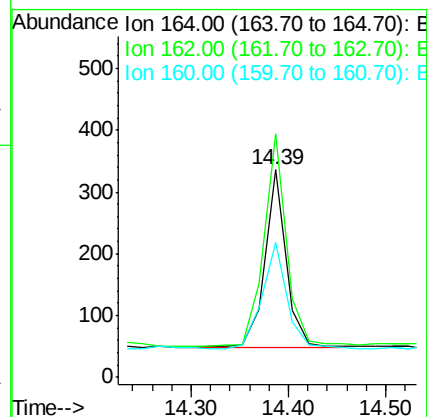
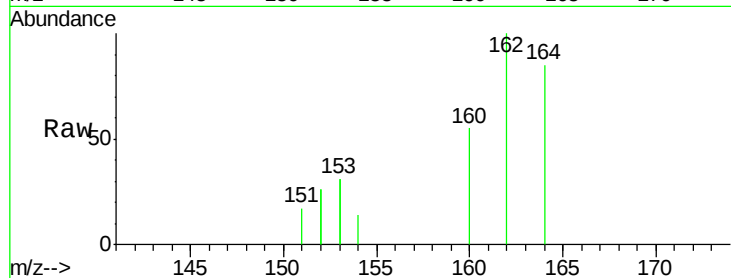
Tgt Ion:164 Resp: 431

Ion Ratio Lower Upper

164 100

162 117.3 84.6 127.0

160 64.9 41.8 62.6#



#14

2,4,6-Tribromophenol

Concen: 1.46 ng

RT: 15.87 min Scan# 1010

Delta R.T. -0.01 min

Lab File: BE092985.D

Acq: 10 May 2017 17:01

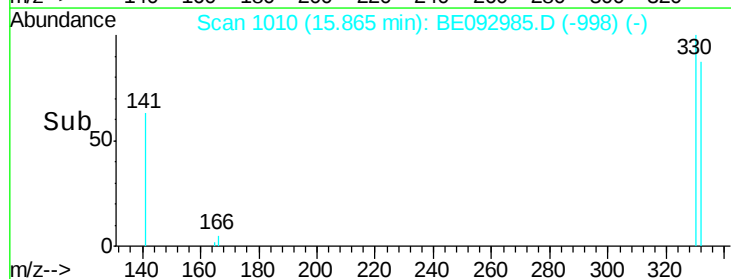
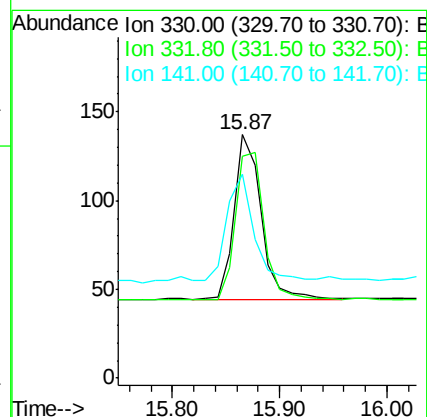
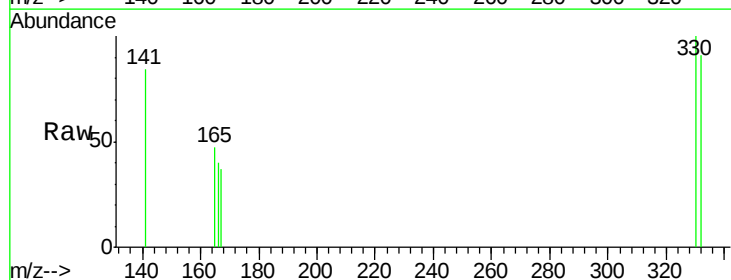
Tgt Ion:330 Resp: 164

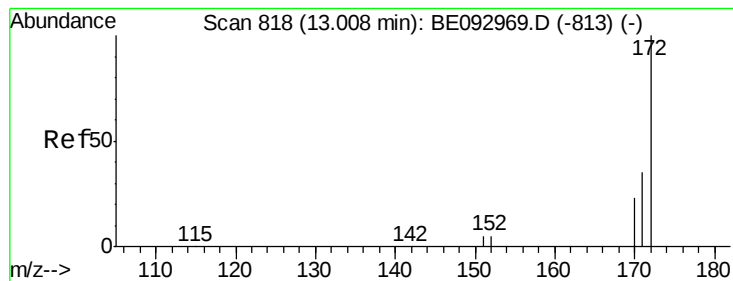
Ion Ratio Lower Upper

330 100

332 92.7 77.7 116.5

141 70.1 56.2 84.4





#15

2-Fluorobiphenyl

Concen: 2.19 ng

RT: 13.01 min Scan# 818

Delta R.T. -0.00 min

Lab File: BE092985.D

Acq: 10 May 2017 17:01

Instrument :

BNA_G

ClientSampleId :

3074-CC5RE

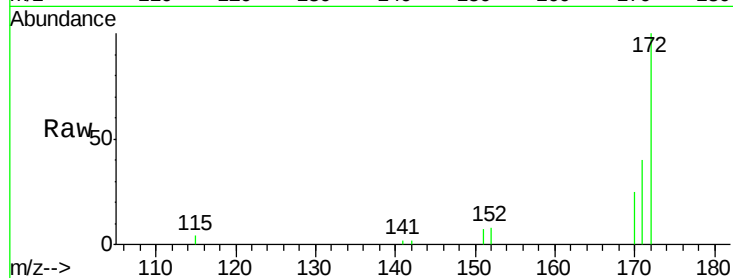
Tgt Ion:172 Resp: 3528

Ion Ratio Lower Upper

172 100

171 39.8 29.8 44.6

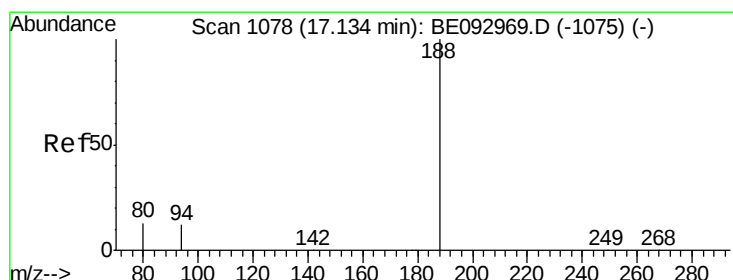
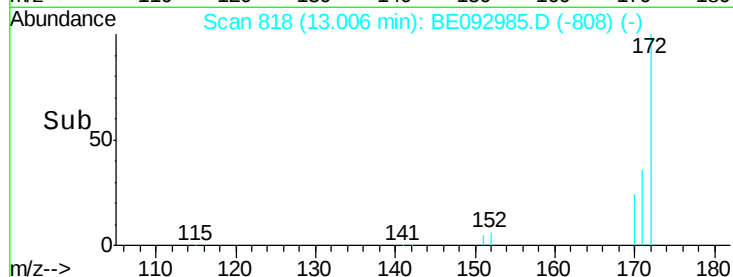
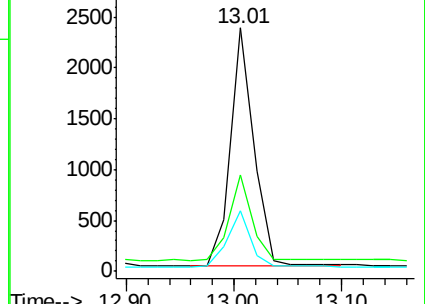
170 25.1 20.7 31.1



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: 0.40 ng

RT: 17.13 min Scan# 1078

Delta R.T. 0.00 min

Lab File: BE092985.D

Acq: 10 May 2017 17:01

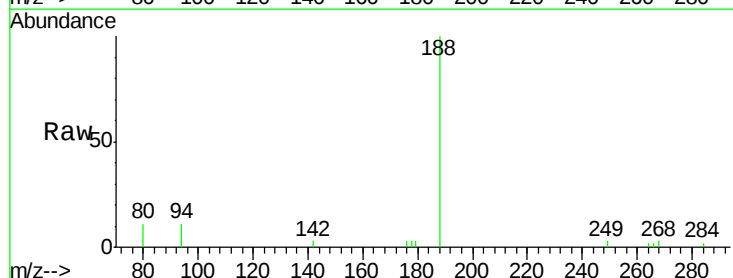
Tgt Ion:188 Resp: 2940

Ion Ratio Lower Upper

188 100

94 11.4 11.3 16.9

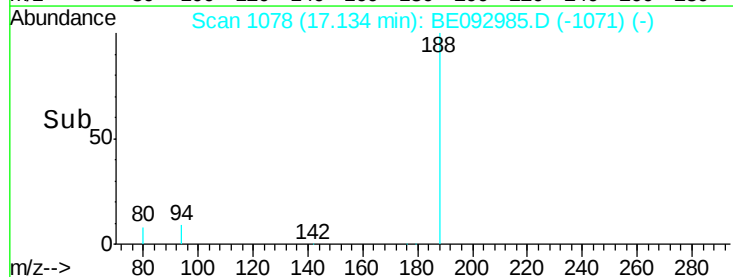
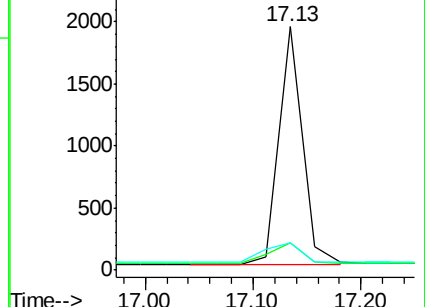
80 11.2 11.7 17.5#

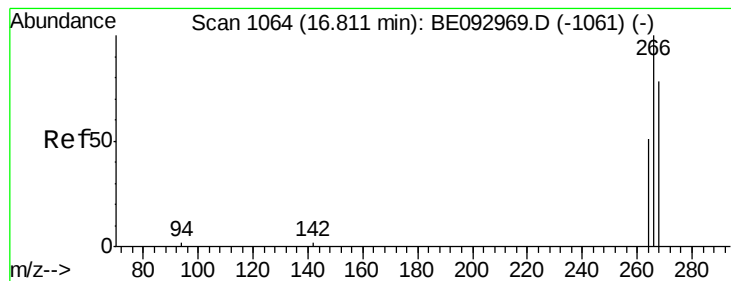


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0





#21

Pentachlorophenol

Concen: 0.20 ng

RT: 16.79 min Scan# 1063

Delta R.T. -0.02 min

Lab File: BE092985.D

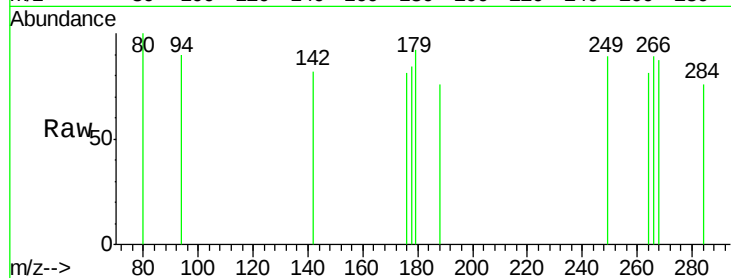
Acq: 10 May 2017 17:01

Instrument :

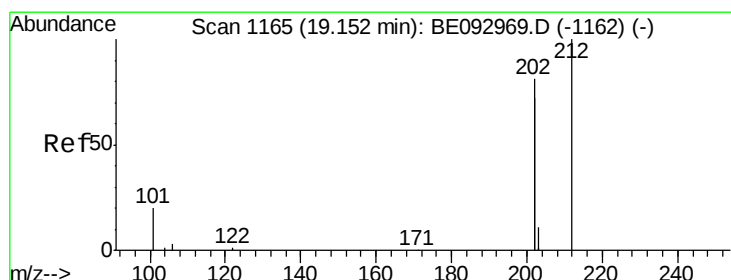
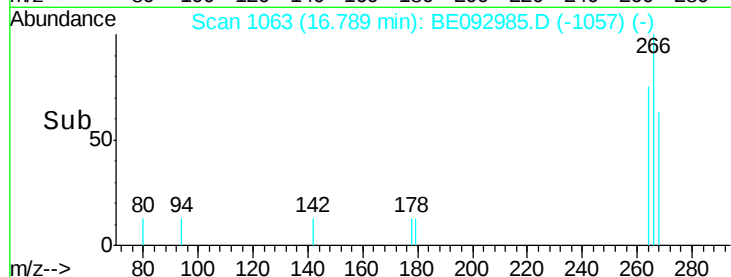
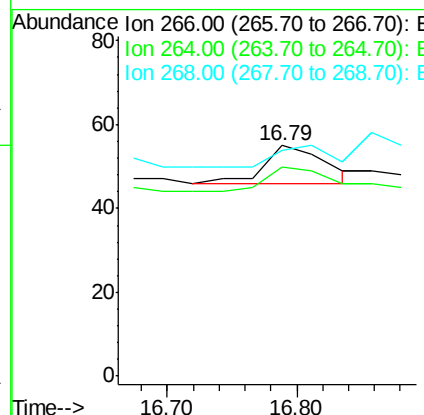
BNA_G

ClientSampleId :

3074-CC5RE



Tgt Ion:	266	Resp:	29
Ion	Ratio	Lower	Upper
266	100		
264	90.9	58.2	87.2#
268	98.2	71.9	107.9



#24

Fluoranthene-d10

Concen: 0.08 ng

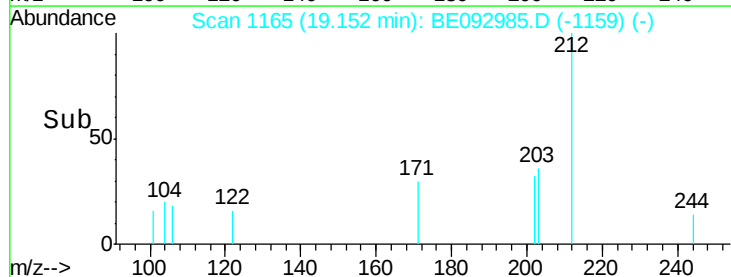
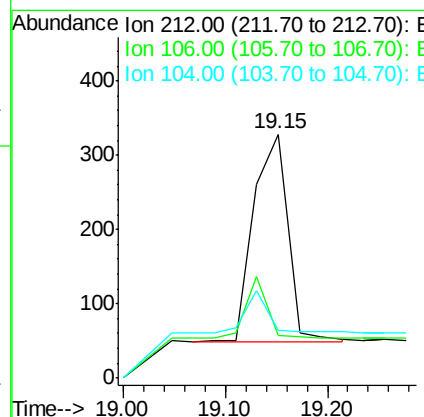
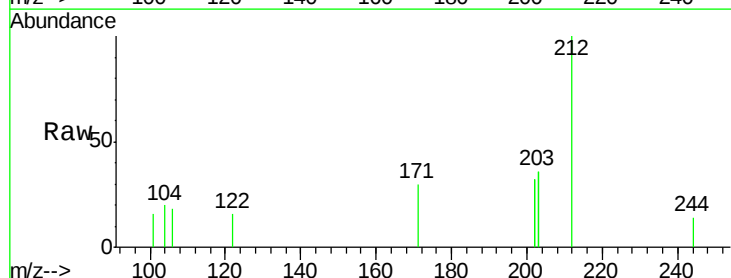
RT: 19.15 min Scan# 1165

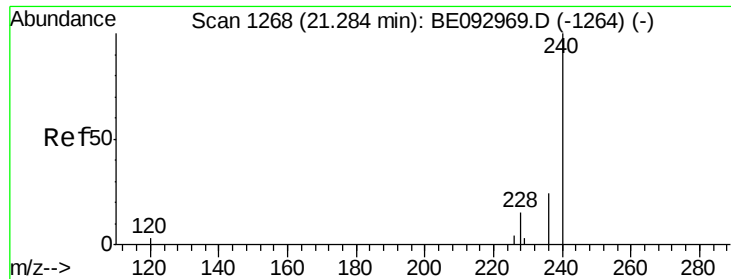
Delta R.T. -0.00 min

Lab File: BE092985.D

Acq: 10 May 2017 17:01

Tgt Ion:	212	Resp:	646
Ion	Ratio	Lower	Upper
212	100		
106	0.0	0.0	0.0
104	0.0	0.0	0.0





#26

Chrysene-d12

Concen: 0.40 ng

RT: 21.28 min Scan# 1268

Delta R.T. -0.00 min

Lab File: BE092985.D

Acq: 10 May 2017 17:01

Instrument :

BNA_G

ClientSampleId :

3074-CC5RE

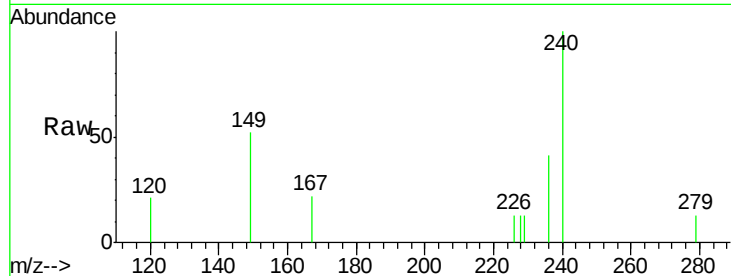
Tgt Ion:240 Resp: 690

Ion Ratio Lower Upper

240 100

120 20.9 4.6 7.0#

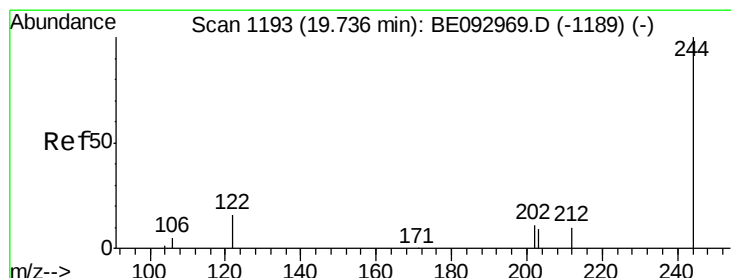
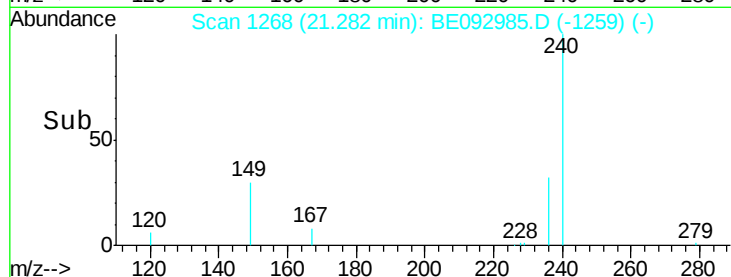
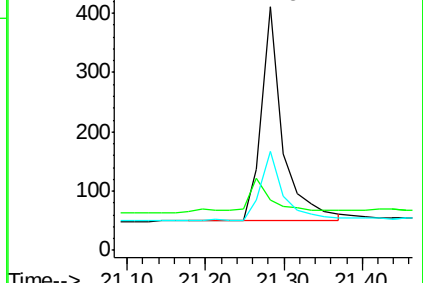
236 40.6 20.8 31.2#



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



#28

Terphenyl-d14

Concen: 2.62 ng

RT: 19.74 min Scan# 1193

Delta R.T. -0.00 min

Lab File: BE092985.D

Acq: 10 May 2017 17:01

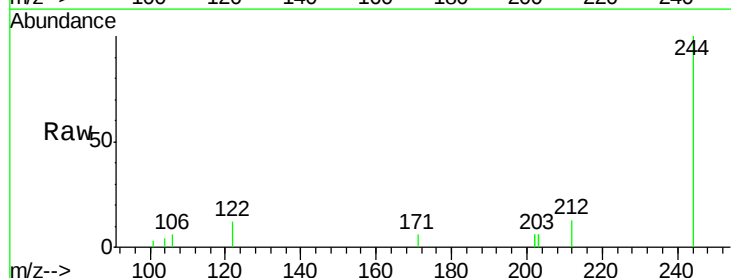
Tgt Ion:244 Resp: 2783

Ion Ratio Lower Upper

244 100

212 12.5 10.6 16.0

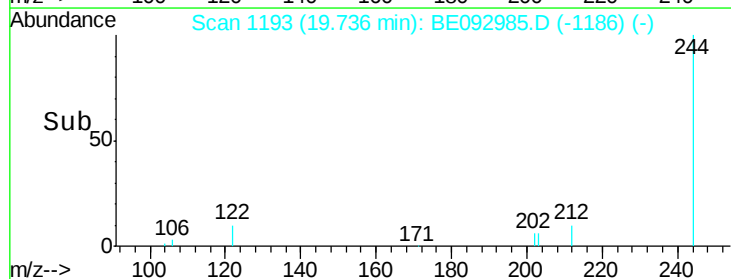
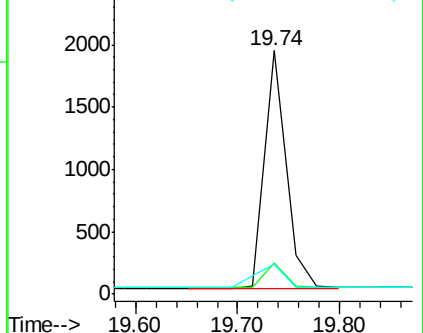
122 12.3 15.4 23.0#

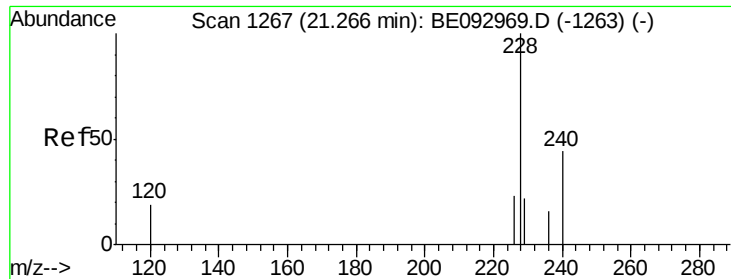


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#29

Benzo(a)anthracene

Concen: 0.03 ng

RT: 21.32 min Scan# 1270

Delta R.T. 0.05 min

Lab File: BE092985.D

Acq: 10 May 2017 17:01

Instrument :

BNA_G

ClientSampleId :

3074-CC5RE

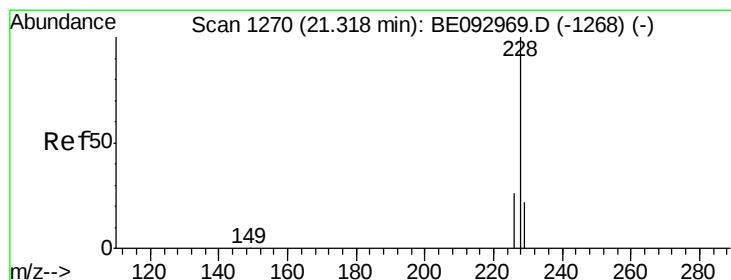
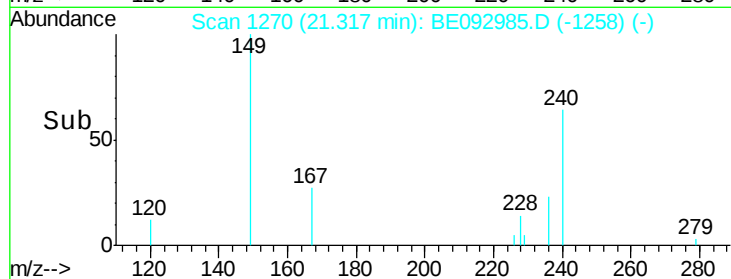
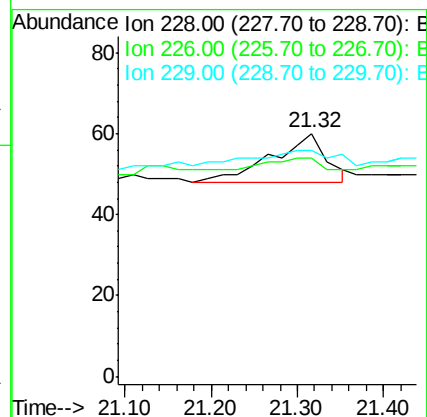
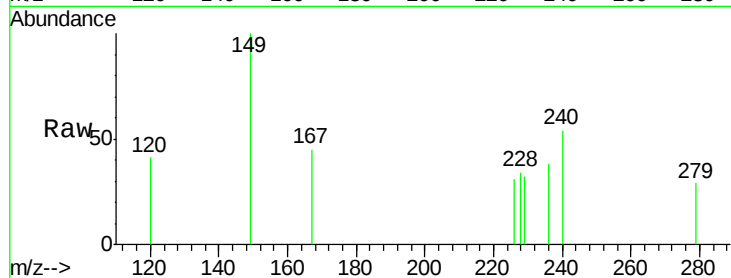
Tgt Ion:228 Resp: 53

Ion Ratio Lower Upper

228 100

226 90.0 19.7 29.5#

229 93.3 19.2 28.8#



#30

Chrysene

Concen: 0.03 ng

RT: 21.32 min Scan# 1270

Delta R.T. -0.00 min

Lab File: BE092985.D

Acq: 10 May 2017 17:01

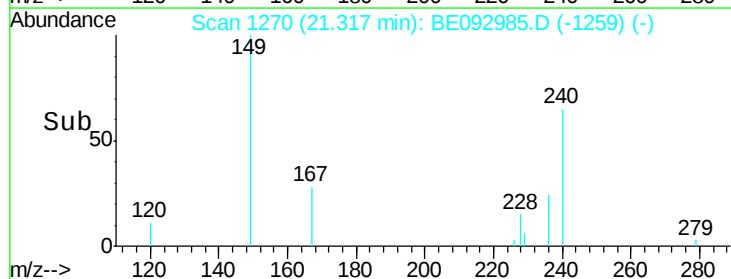
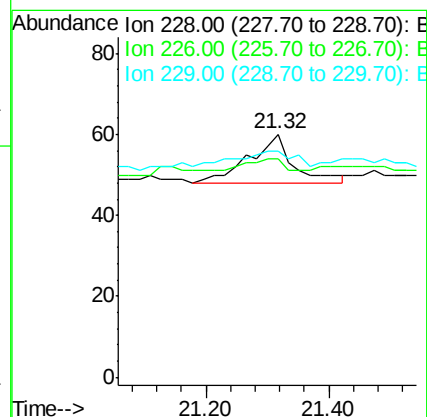
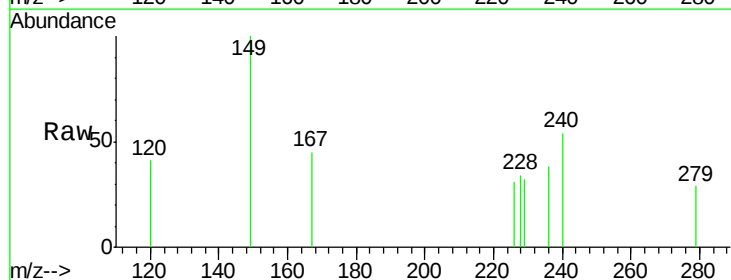
Tgt Ion:228 Resp: 61

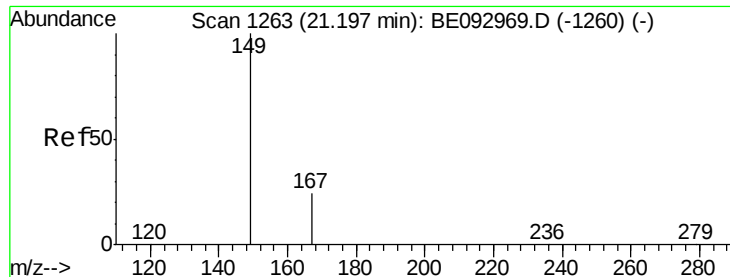
Ion Ratio Lower Upper

228 100

226 90.0 21.5 32.3#

229 93.3 18.6 28.0#

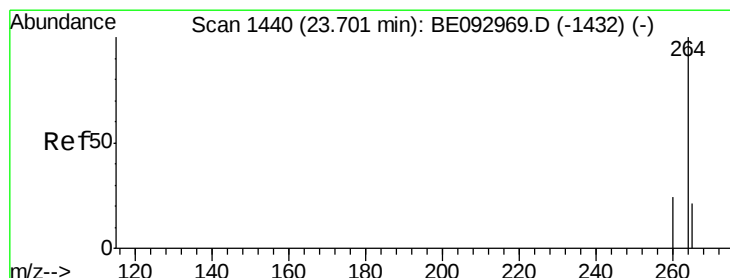
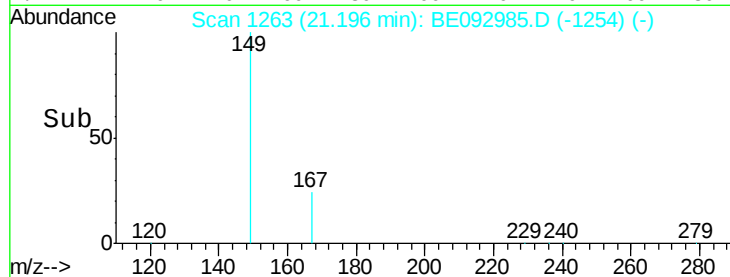
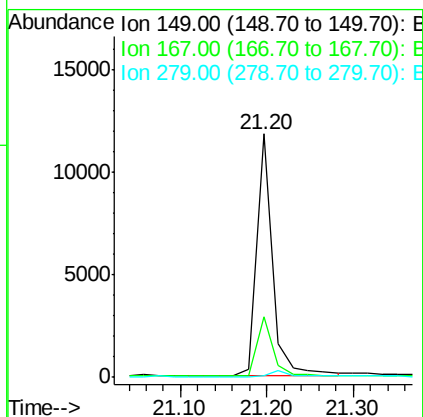
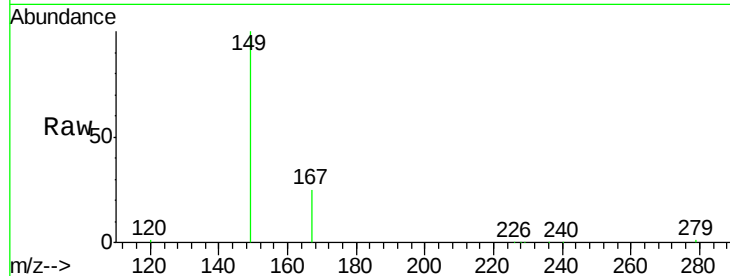




#31
 Bis(2-ethylhexyl)phthalate
 Concen: 10.01 ng
 RT: 21.20 min Scan# 1263
 Delta R.T. -0.00 min
 Lab File: BE092985.D
 Acq: 10 May 2017 17:01

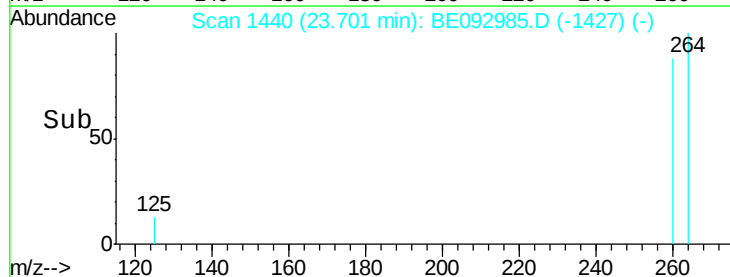
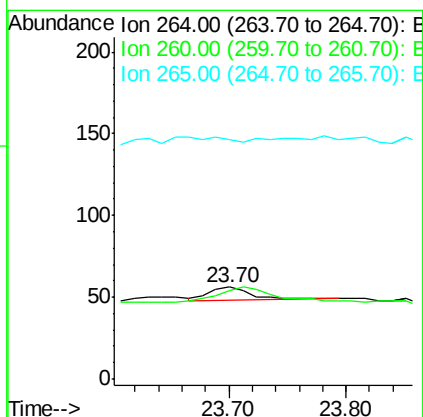
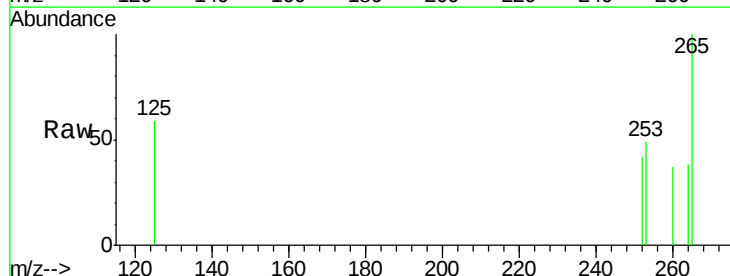
Instrument :
 BNA_G
 ClientSampleId :
 3074-CC5RE

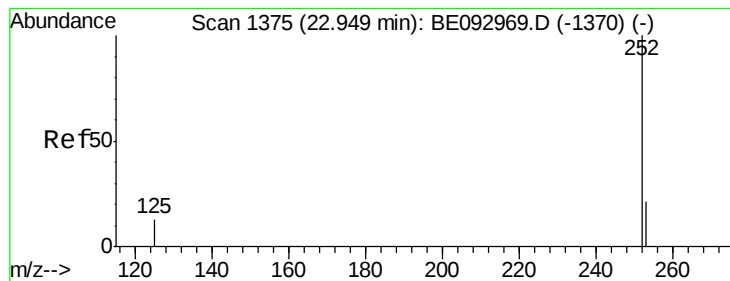
Tgt Ion:149 Resp: 14967
 Ion Ratio Lower Upper
 149 100
 167 25.5 20.1 30.1
 279 2.3 2.2 3.4



#33
 Perylene-d12
 Concen: 0.40 ng
 RT: 23.70 min Scan# 1440
 Delta R.T. -0.00 min
 Lab File: BE092985.D
 Acq: 10 May 2017 17:01

Tgt Ion:264 Resp: 19
 Ion Ratio Lower Upper
 264 100
 260 96.4 21.0 31.4#
 265 260.7 24.6 36.8#





#34

Benzo(b)fluoranthene

Concen: 0.55 ng

RT: 22.95 min Scan# 1375

Delta R.T. -0.00 min

Lab File: BE092985.D

Acq: 10 May 2017 17:01

Instrument :

BNA_G

ClientSampleId :

3074-CC5RE

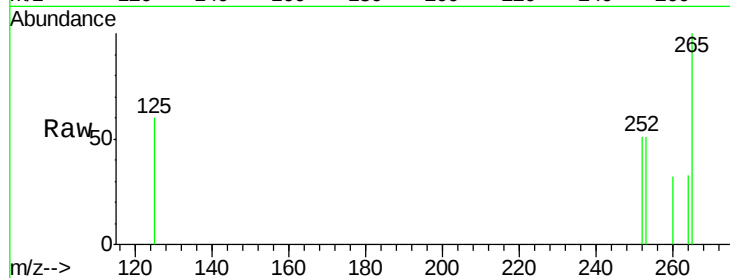
Tgt Ion: 252 Resp: 32

Ion Ratio Lower Upper

252 100

253 101.4 18.5 27.7#

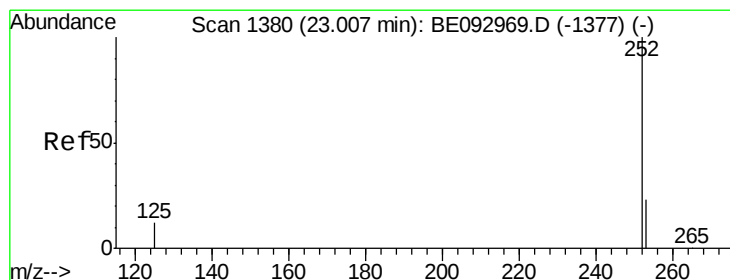
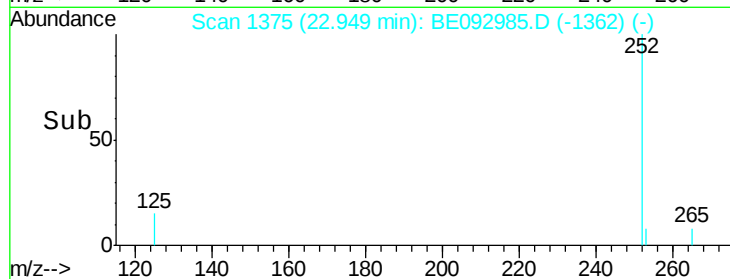
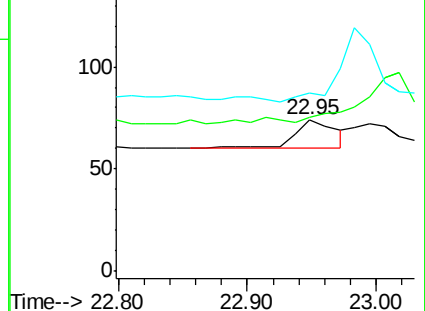
125 117.6 13.4 20.0#



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



#35

Benzo(k)fluoranthene

Concen: 0.42 ng

RT: 22.95 min Scan# 1375

Delta R.T. -0.06 min

Lab File: BE092985.D

Acq: 10 May 2017 17:01

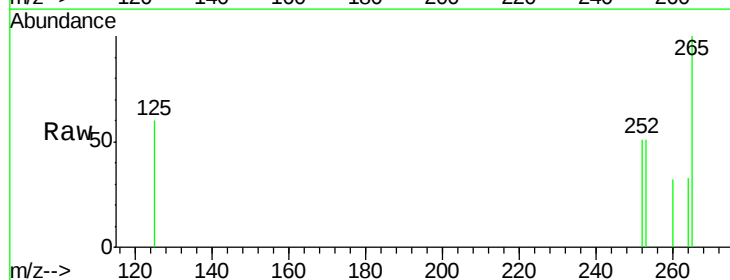
Tgt Ion: 252 Resp: 26

Ion Ratio Lower Upper

252 100

253 101.4 20.3 30.5#

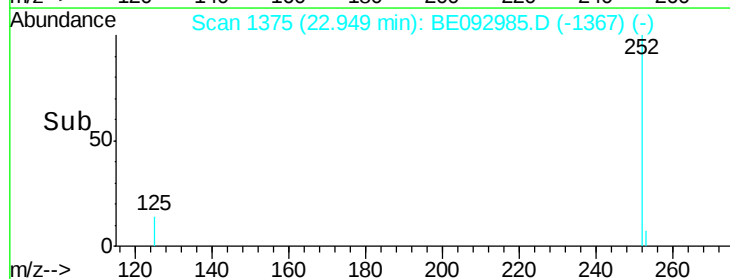
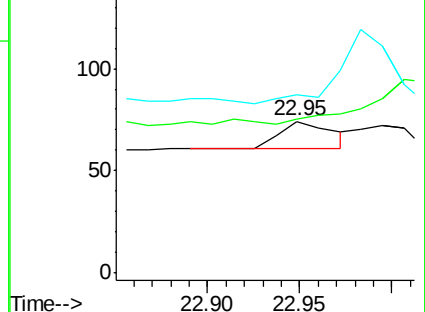
125 117.6 12.2 18.4#

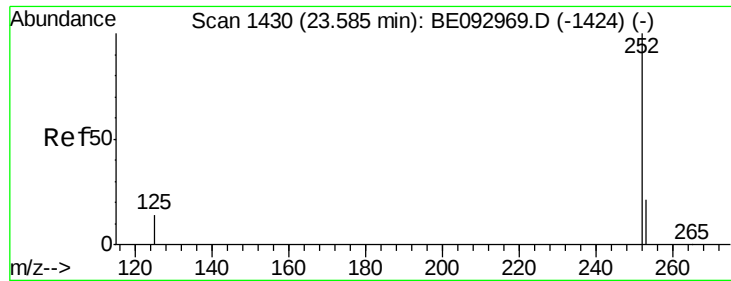


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#36

Benzo(a)pyrene

Concen: 0.15 ng

RT: 23.58 min Scan# 1430

Delta R.T. -0.00 min

Lab File: BE092985.D

Acq: 10 May 2017 17:01

Instrument :

BNA_G

ClientSampleId :

3074-CC5RE

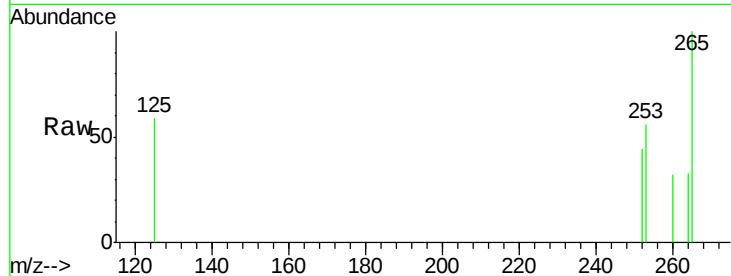
Tgt Ion: 252 Resp: 8

Ion Ratio Lower Upper

252 100

253 129.7 19.9 29.9#

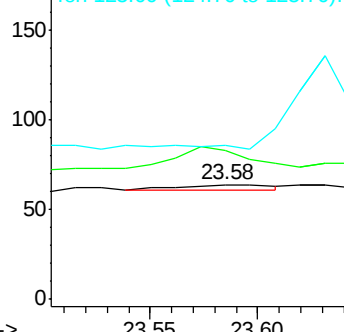
125 134.4 14.6 21.8#



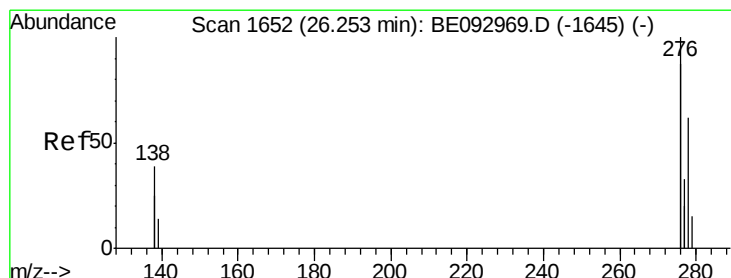
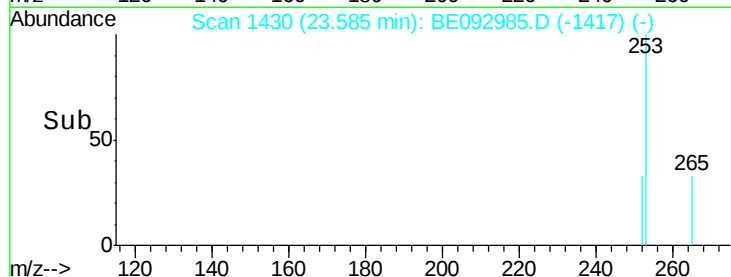
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->



#37

Dibenzo(a,h)anthracene

Concen: 0.48 ng

RT: 26.25 min Scan# 1652

Delta R.T. 0.00 min

Lab File: BE092985.D

Acq: 10 May 2017 17:01

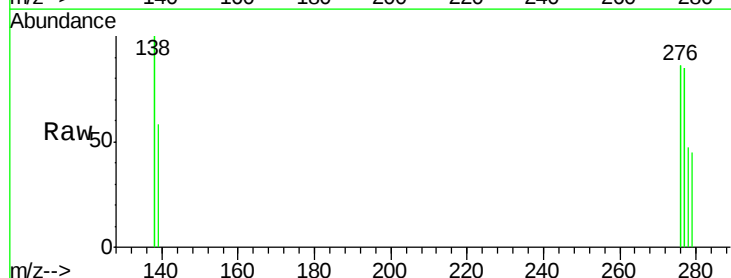
Tgt Ion: 278 Resp: 26

Ion Ratio Lower Upper

278 100

139 124.1 21.4 32.0#

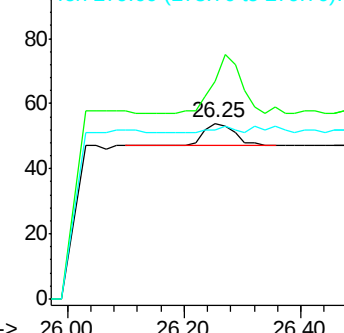
279 96.3 22.2 33.2#



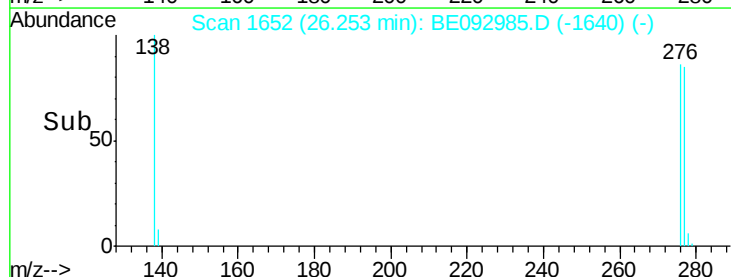
Abundance Ion 278.00 (277.70 to 278.70): E

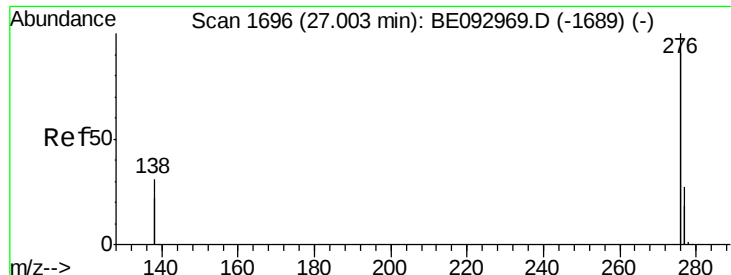
Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



Time-->





#38

Benzo(g,h,i)perylene

Concen: 0.59 ng

RT: 27.00 min Scan# 1696

Delta R.T. 0.00 min

Lab File: BE092985.D

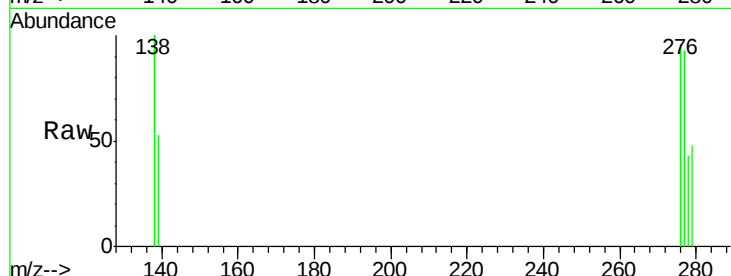
Acq: 10 May 2017 17:01

Instrument :

BNA_G

ClientSampleId :

3074-CC5RE



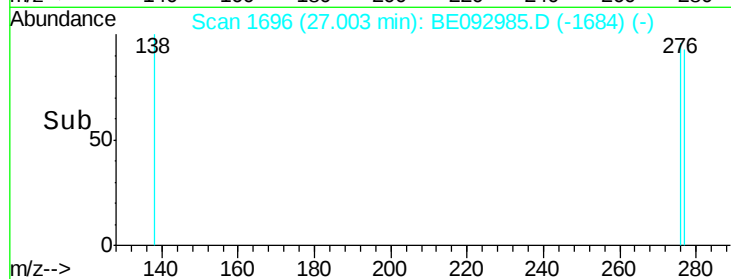
Tgt Ion: 276 Resp: 139

Ion Ratio Lower Upper

276 100

277 96.1 21.2 31.8#

138 103.9 24.5 36.7#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

