

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE051017\
 Data File : BE092978.D
 Acq On : 10 May 2017 12:24
 Operator : SJ/MA
 Sample : PB98656BS
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB98656BS

Quant Time: May 10 13:04:56 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	1130	0.40	ng	0.00
7) Naphthalene-d8	10.53	136	4286	0.40	ng	0.00
13) Acenaphthene-d10	14.39	164	1770	0.40	ng	0.00
19) Phenanthrene-d10	17.13	188	3809	0.40	ng	0.00
26) Chrysene-d12	21.28	240	3700	0.40	ng	0.00
33) Perylene-d12	23.70	264	3268	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.36	112	871	0.27	ng	0.00
5) Phenol-d6	6.94	99	1001	0.25	ng	0.00
8) Nitrobenzene-d5	8.90	82	879	0.26	ng	0.00
11) 2-Methylnaphthalene-d10	12.11	152	2029	0.34	ng	-0.02
14) 2,4,6-Tribromophenol	15.88	330	97	0.21	ng	0.00
15) 2-Fluorobiphenyl	13.01	172	2130	0.32	ng	0.00
24) Fluoranthene-d10	19.15	212	2331	0.24	ng	0.00
28) Terphenyl-d14	19.73	244	1394	0.25	ng	0.00

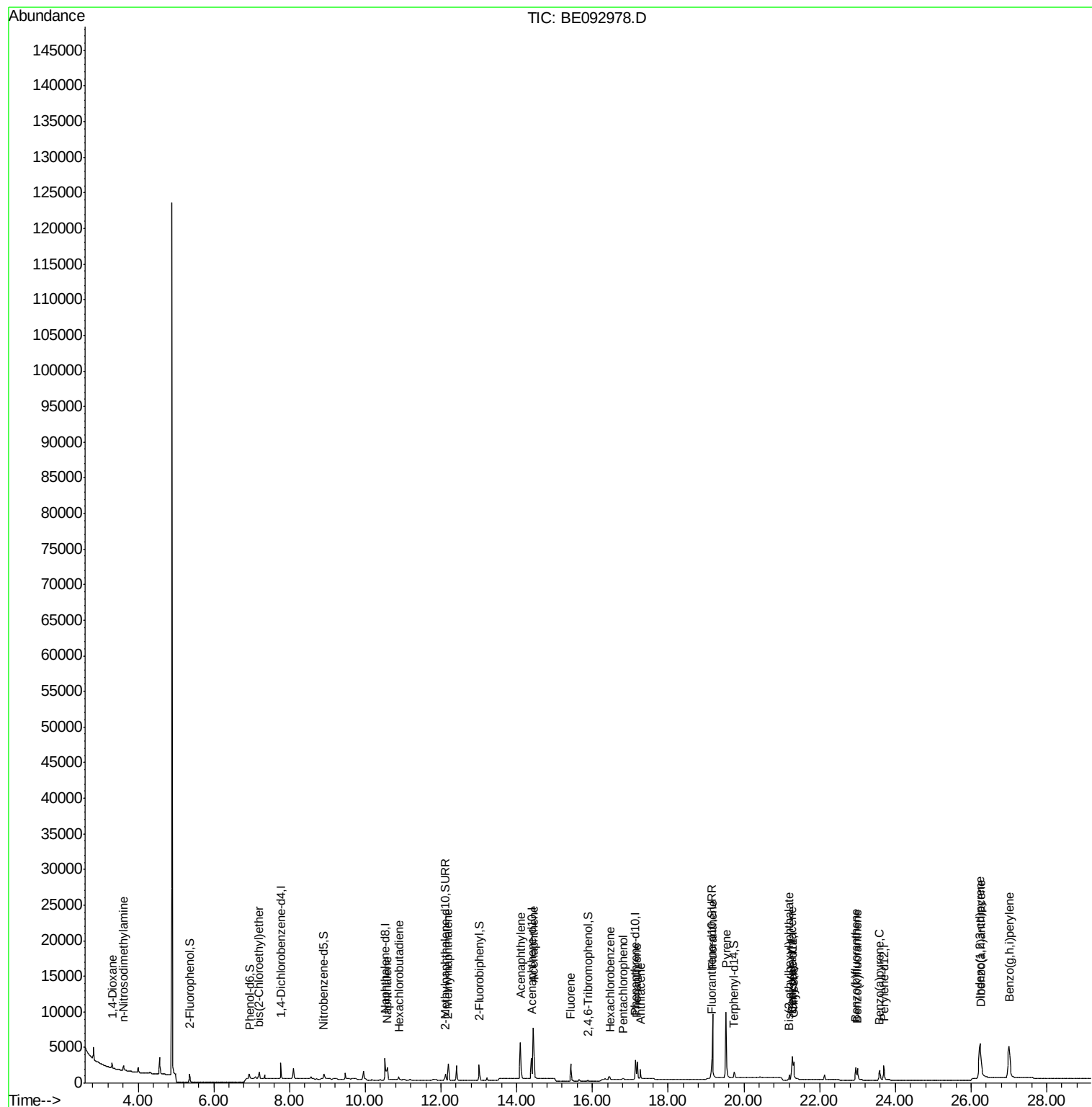
Target Compounds					Qvalue	
2) 1,4-Dioxane	3.32	88	427	0.18	ng	# 39
3) n-Nitrosodimethylamine	3.61	42	518	0.27	ng	99
6) bis(2-Chloroethyl)ether	7.20	93	966	0.25	ng	# 99
9) Naphthalene	10.58	128	2926	0.25	ng	100
10) Hexachlorobutadiene	10.89	225	408	0.25	ng	97
12) 2-Methylnaphthalene	12.19	142	1710	0.26	ng	99
16) Acenaphthylene	14.10	152	7450	0.25	ng	99
17) Acenaphthene	14.44	154	1458	0.26	ng	99
18) Fluorene	15.43	166	1662	0.25	ng	100
20) Hexachlorobenzene	16.47	284	466	0.26	ng	# 100
21) Pentachlorophenol	16.81	266	156	0.40	ng	98
22) Phenanthrene	17.18	178	2879	0.27	ng	99
23) Anthracene	17.27	178	2065	0.24	ng	99
25) Fluoranthene	19.17	202	12028	0.24	ng	# 99
27) Pyrene	19.53	202	12212	0.25	ng	# 100
29) Benzo(a)anthracene	21.27	228	2345	0.27	ng	99
30) Chrysene	21.32	228	3170	0.27	ng	98
31) Bis(2-ethylhexyl)phthalate	21.20	149	713	0.17	ng	98
32) Indeno(1,2,3-cd)pyrene	26.24	276	12352	0.30	ng	98
34) Benzo(b)fluoranthene	22.95	252	2613	0.26	ng	98
35) Benzo(k)fluoranthene	23.01	252	2863	0.27	ng	98
36) Benzo(a)pyrene	23.58	252	2578	0.28	ng	97
37) Dibenzo(a,h)anthracene	26.25	278	2436	0.26	ng	99
38) Benzo(g,h,i)perylene	27.00	276	11088	0.28	ng	97

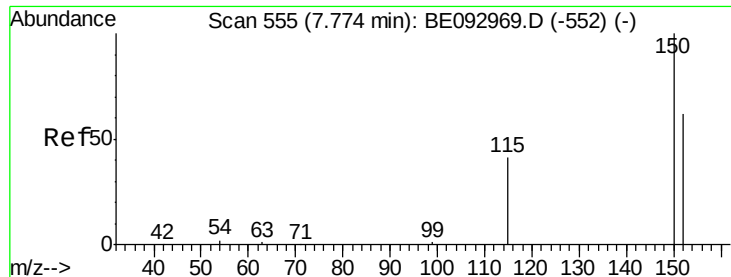
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE092978.D

Acq: 10 May 2017 12:24

Instrument :

BNA_E

ClientSampleId :

PB98656BS

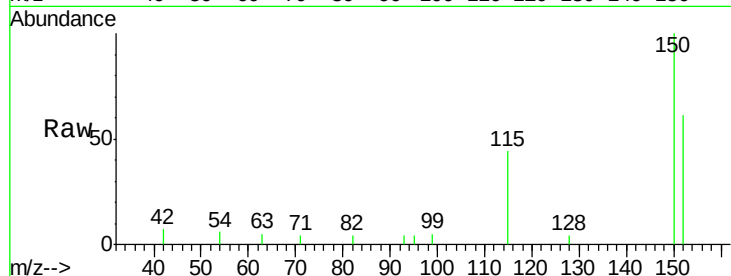
Tgt Ion:152 Resp: 1130

Ion Ratio Lower Upper

152 100

150 162.9 125.1 187.7

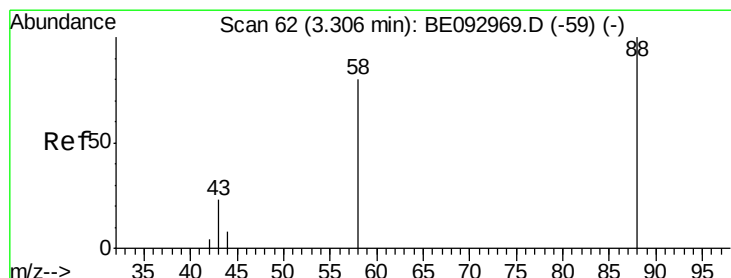
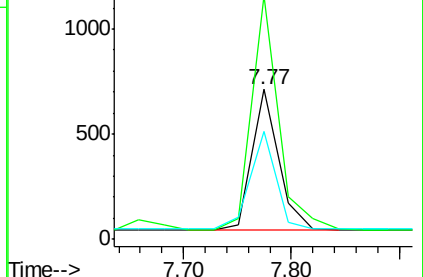
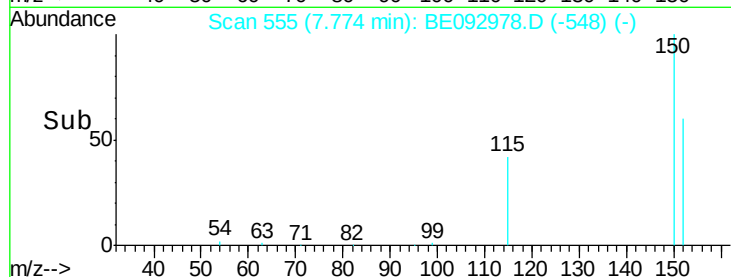
115 72.4 55.7 83.5



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: 0.18 ng

RT: 3.32 min Scan# 63

Delta R.T. 0.01 min

Lab File: BE092978.D

Acq: 10 May 2017 12:24

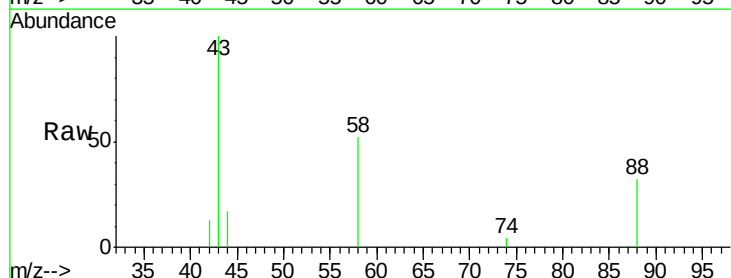
Tgt Ion: 88 Resp: 427

Ion Ratio Lower Upper

88 100

58 105.2 62.2 93.4#

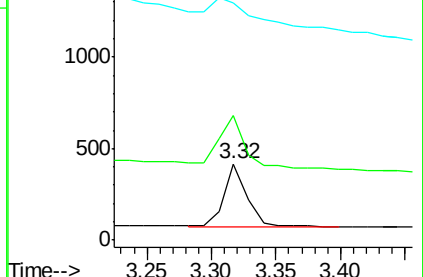
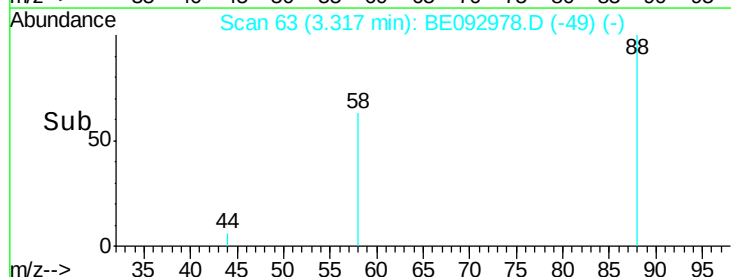
43 103.3 23.2 34.8#

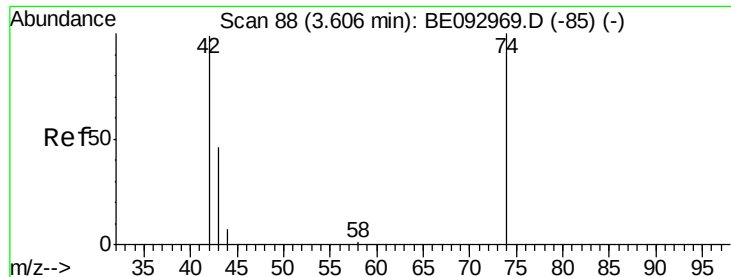


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.27 ng

RT: 3.61 min Scan# 88

Delta R.T. -0.00 min

Lab File: BE092978.D

Acq: 10 May 2017 12:24

Instrument :

BNA_E

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PB98656BS

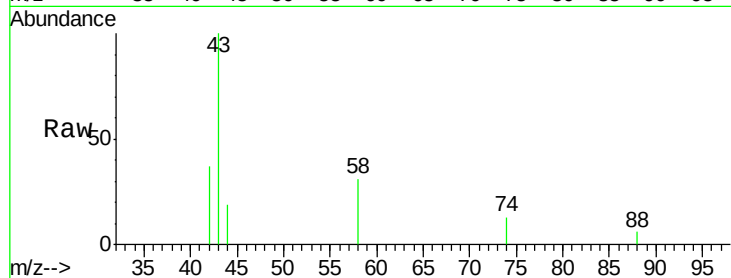
Tgt Ion: 42 Resp: 518

Ion Ratio Lower Upper

42 100

74 124.3 99.1 148.7

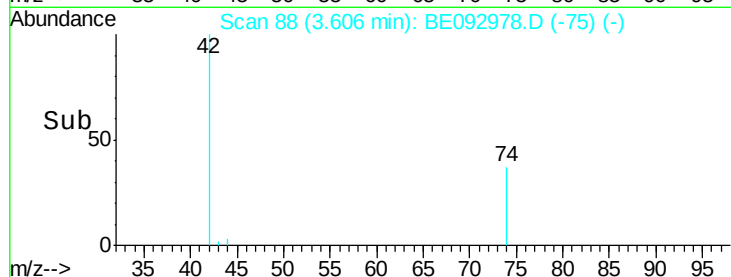
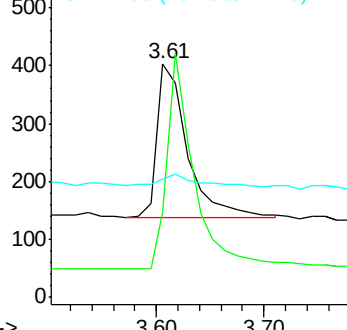
44 10.2 7.4 11.2



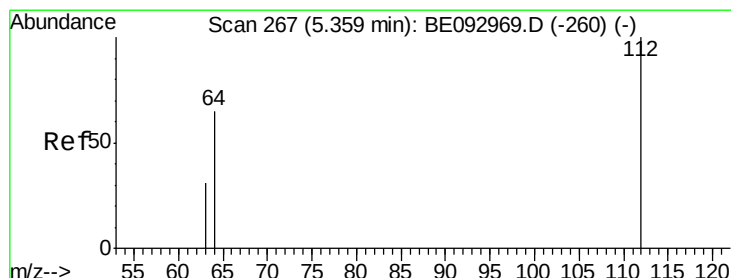
Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0



Time-->



#4

2-Fluorophenol

Concen: 0.27 ng

RT: 5.36 min Scan# 267

Delta R.T. 0.00 min

Lab File: BE092978.D

Acq: 10 May 2017 12:24

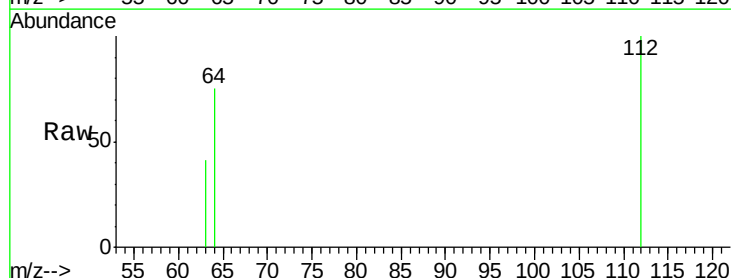
Tgt Ion: 112 Resp: 871

Ion Ratio Lower Upper

112 100

64 70.0 56.4 84.6

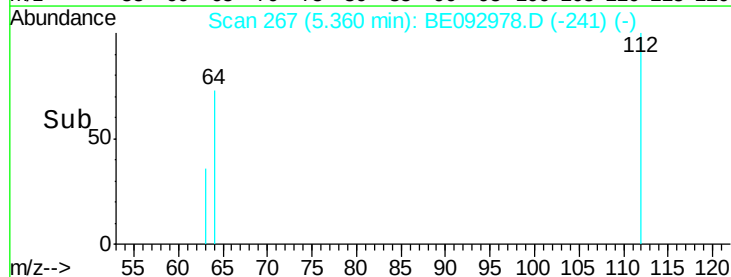
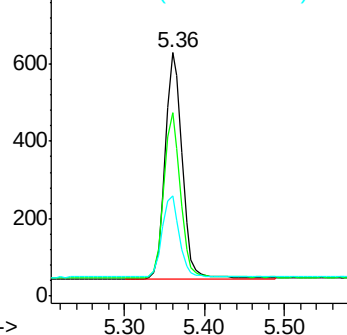
63 35.6 29.3 43.9

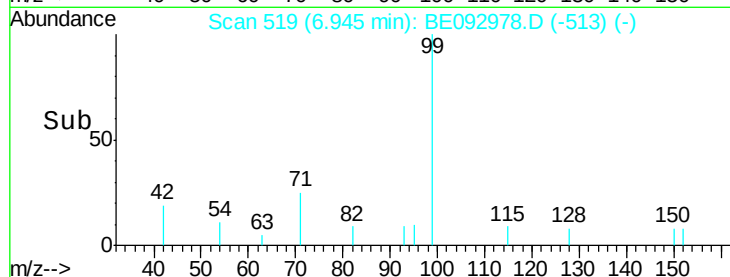
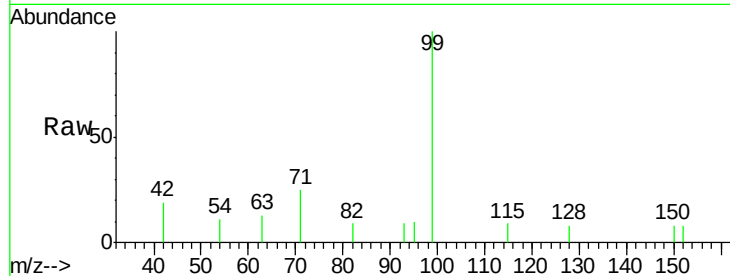
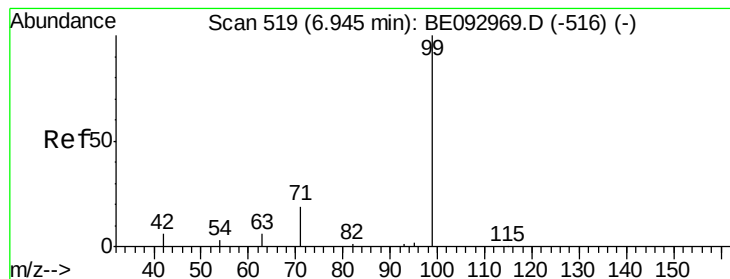


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.25 ng

RT: 6.94 min Scan# 519

Delta R.T. -0.00 min

Lab File: BE092978.D

Acq: 10 May 2017 12:24

Instrument :

BNA_E

ClientSampleId :

PB98656BS

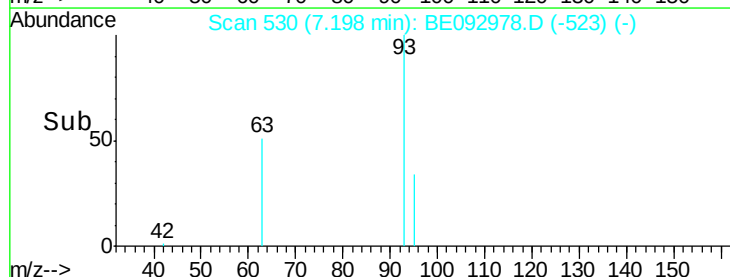
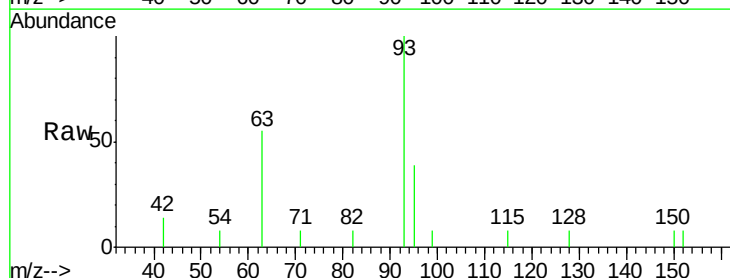
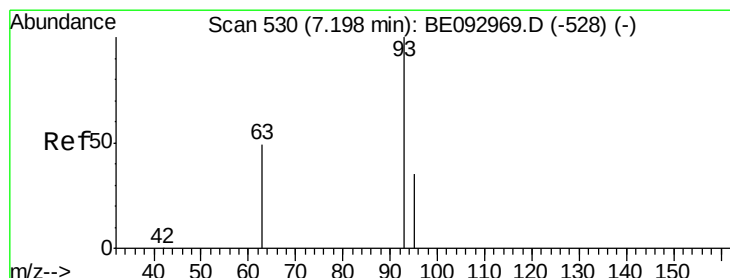
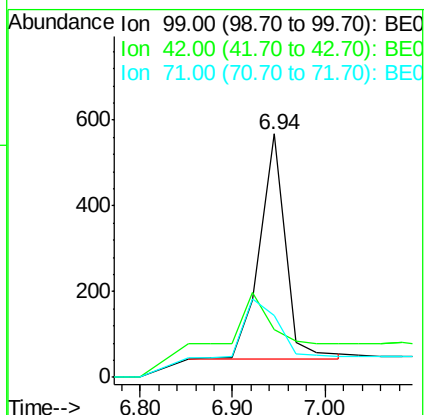
Tgt Ion: 99 Resp: 1001

Ion Ratio Lower Upper

99 100

42 0.0 0.0 0.0

71 0.0 0.0 0.0



#6

bis(2-Chloroethyl)ether

Concen: 0.25 ng

RT: 7.20 min Scan# 530

Delta R.T. -0.00 min

Lab File: BE092978.D

Acq: 10 May 2017 12:24

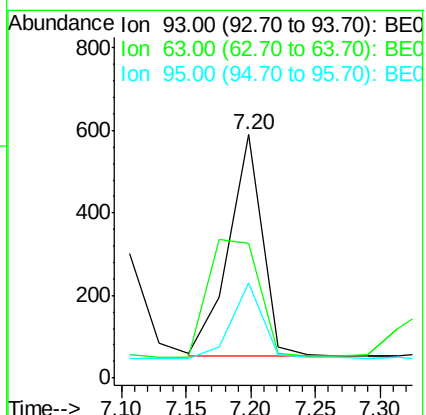
Tgt Ion: 93 Resp: 966

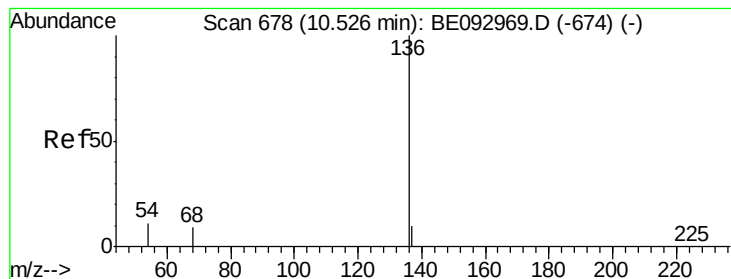
Ion Ratio Lower Upper

93 100

63 0.0 0.0 0.0

95 32.1 25.4 38.0





#7

Naphthalene-d8

Concen: 0.40 ng

RT: 10.53 min Scan# 678

Delta R.T. -0.00 min

Lab File: BE092978.D

Acq: 10 May 2017 12:24

Instrument :

BNA_E

ClientSampleId :

PB98656BS

Tgt Ion: 136 Resp: 4286

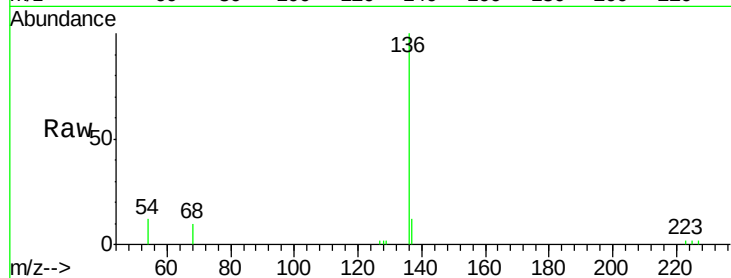
Ion Ratio Lower Upper

136 100

137 12.0 9.8 14.8

54 12.0 10.3 15.5

68 10.4 9.0 13.4

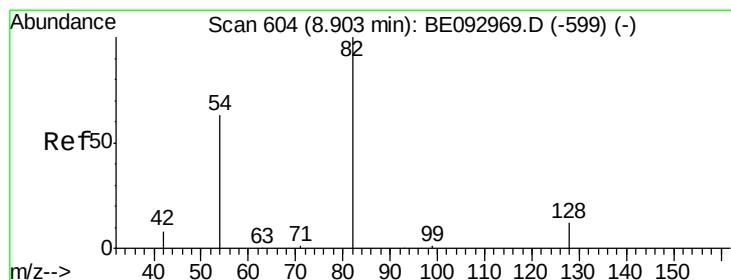
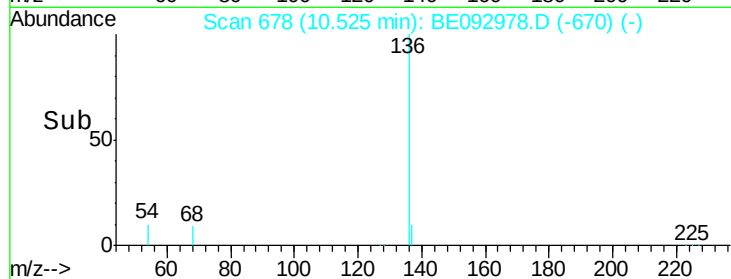
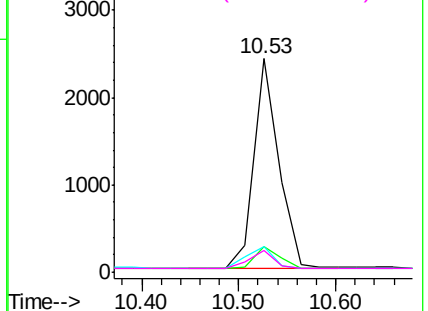


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.26 ng

RT: 8.90 min Scan# 604

Delta R.T. -0.00 min

Lab File: BE092978.D

Acq: 10 May 2017 12:24

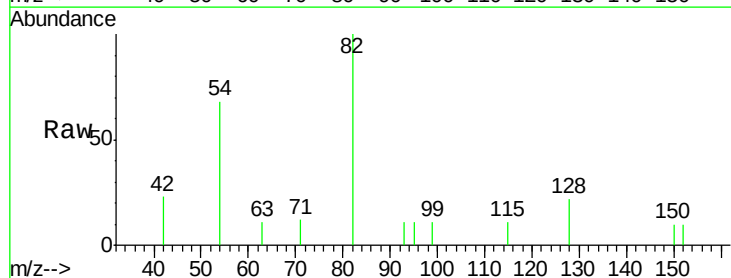
Tgt Ion: 82 Resp: 879

Ion Ratio Lower Upper

82 100

128 21.8 17.0 25.4

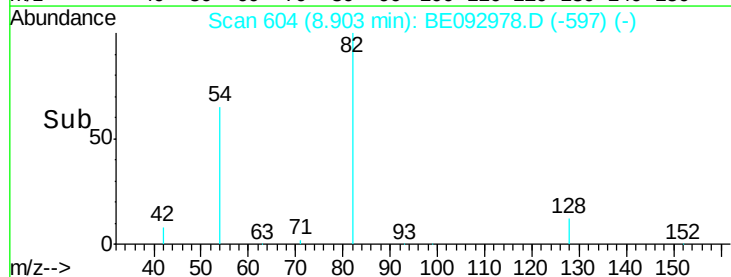
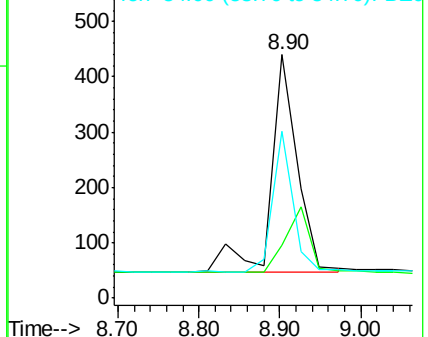
54 68.4 53.8 80.6

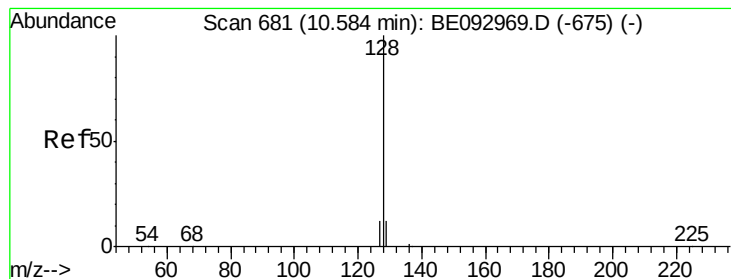


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.25 ng

RT: 10.58 min Scan# 681

Delta R.T. -0.00 min

Lab File: BE092978.D

Acq: 10 May 2017 12:24

Instrument :

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ClientSampleId :

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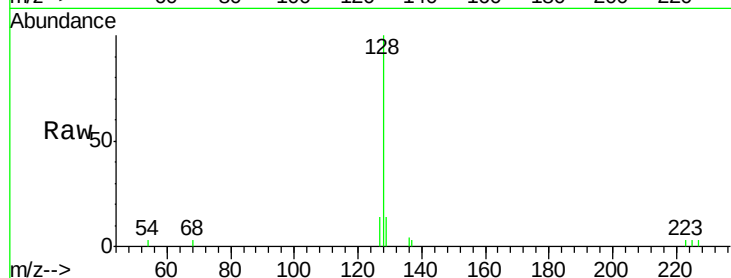
Tgt Ion:128 Resp: 2926

Ion Ratio Lower Upper

128 100

129 14.4 11.4 17.0

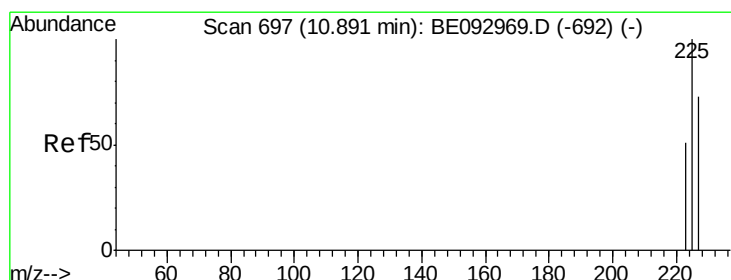
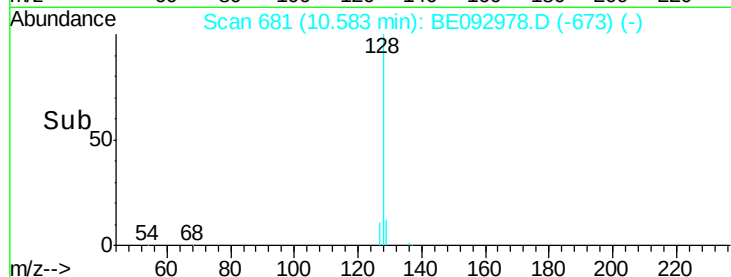
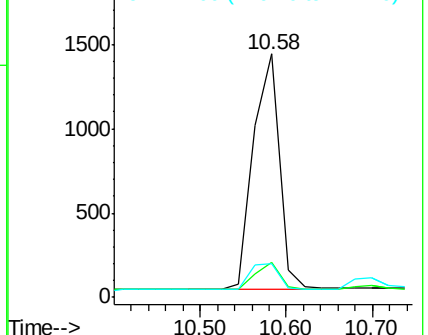
127 14.0 11.2 16.8



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#10

Hexachlorobutadiene

Concen: 0.25 ng

RT: 10.89 min Scan# 697

Delta R.T. -0.00 min

Lab File: BE092978.D

Acq: 10 May 2017 12:24

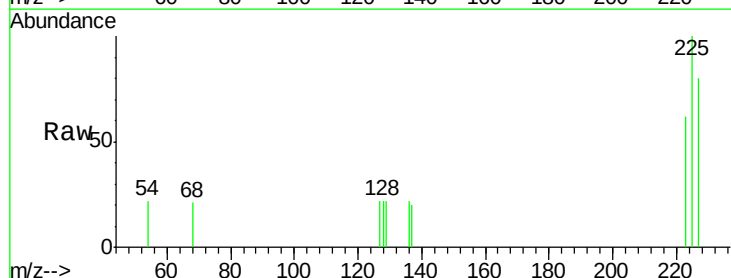
Tgt Ion:225 Resp: 408

Ion Ratio Lower Upper

225 100

223 65.0 49.7 74.5

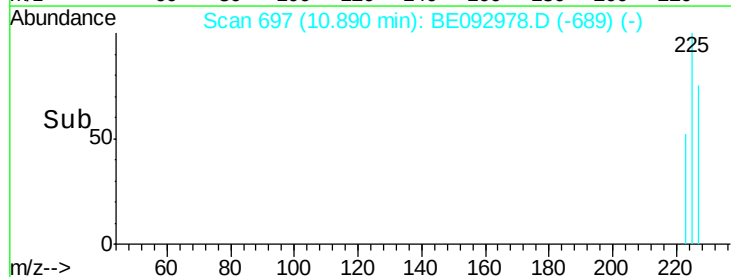
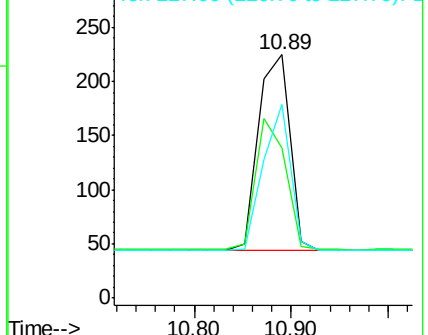
227 64.5 50.3 75.5

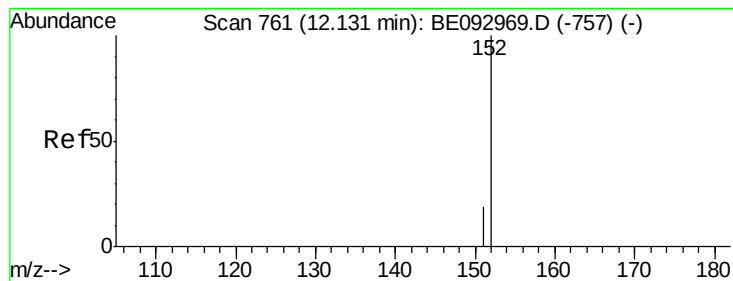


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.34 ng

RT: 12.11 min Scan# 760

Delta R.T. -0.02 min

Lab File: BE092978.D

Acq: 10 May 2017 12:24

Instrument :

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ClientSampleId :

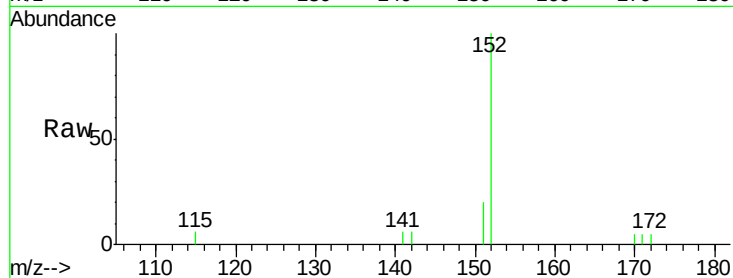
PB98656BS

Tgt Ion:152 Resp: 2029

Ion Ratio Lower Upper

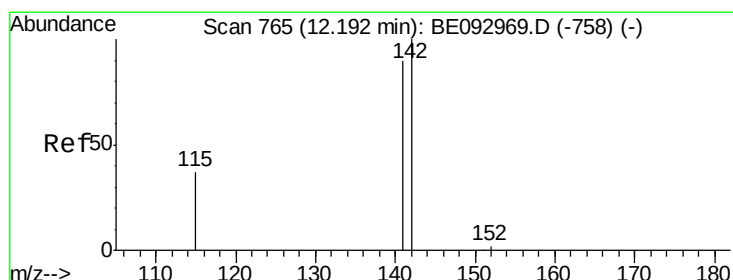
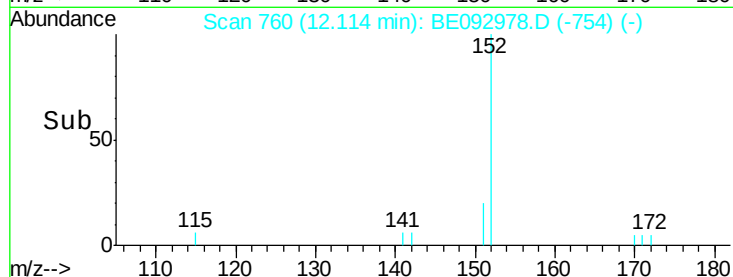
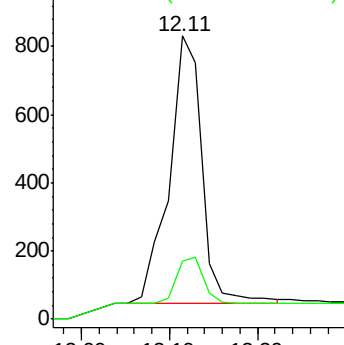
152 100

151 14.6 15.1 22.7#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.26 ng

RT: 12.19 min Scan# 765

Delta R.T. -0.00 min

Lab File: BE092978.D

Acq: 10 May 2017 12:24

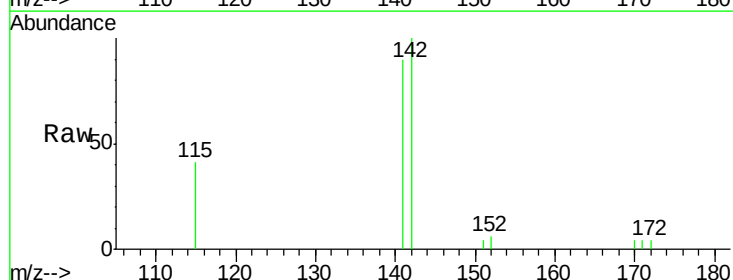
Tgt Ion:142 Resp: 1710

Ion Ratio Lower Upper

142 100

141 90.2 72.6 108.8

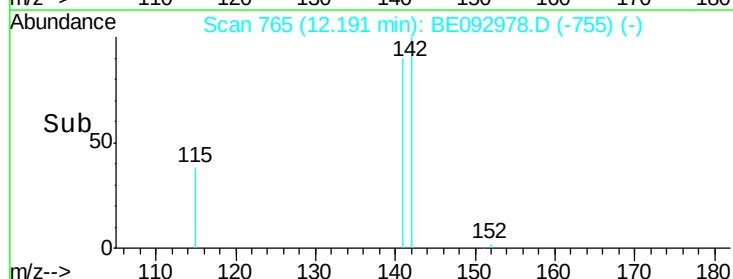
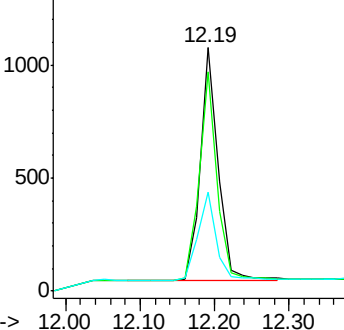
115 40.6 32.2 48.2

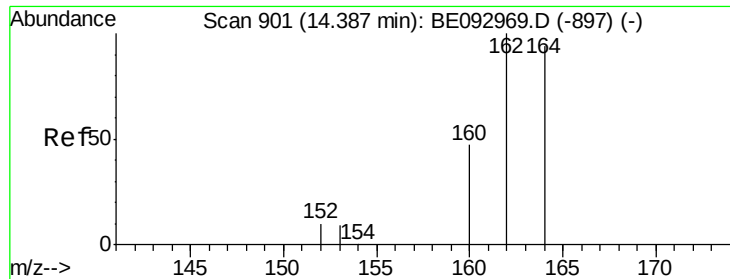


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#13

Acenaphthene-d10

Concen: 0.40 ng

RT: 14.39 min Scan# 901

Delta R.T. 0.00 min

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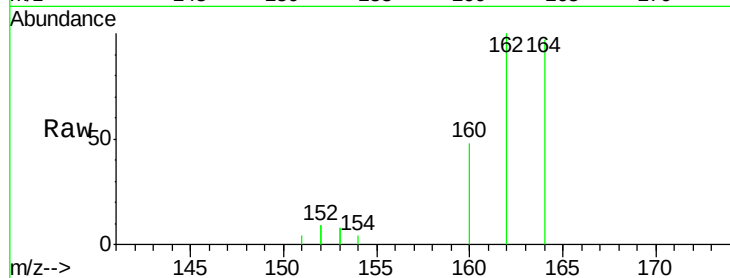
Tgt Ion:164 Resp: 1770

Ion Ratio Lower Upper

164 100

162 103.6 84.6 127.0

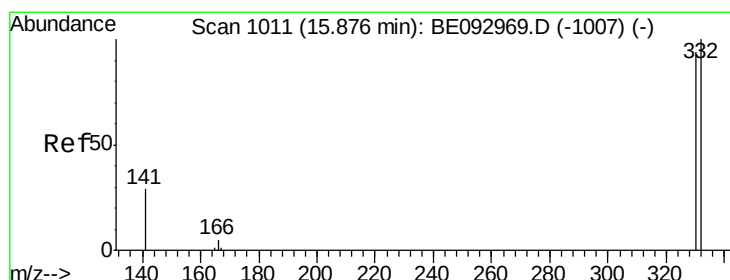
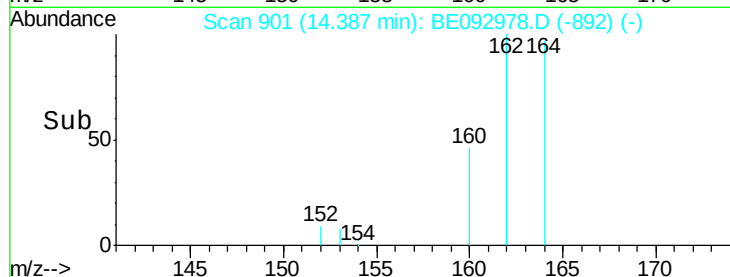
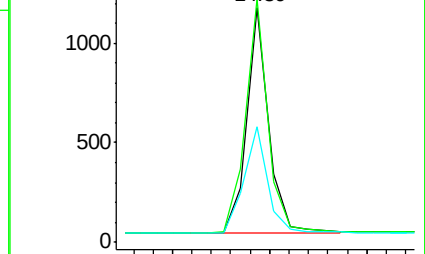
160 49.2 41.8 62.6



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: 0.21 ng

RT: 15.88 min Scan# 1011

Delta R.T. 0.00 min

Lab File: BE092978.D

Acq: 10 May 2017 12:24

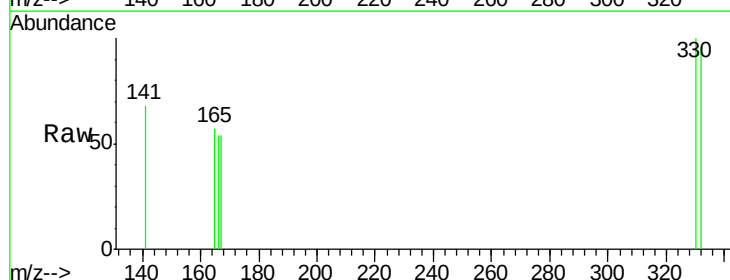
Tgt Ion:330 Resp: 97

Ion Ratio Lower Upper

330 100

332 85.6 77.7 116.5

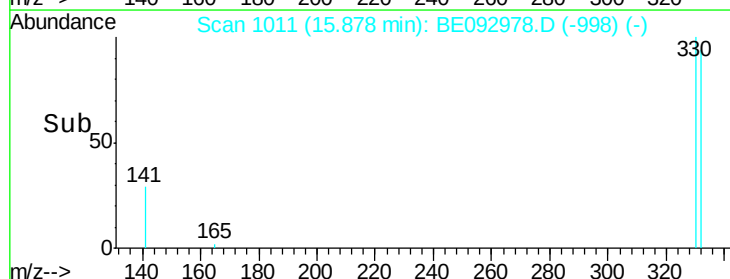
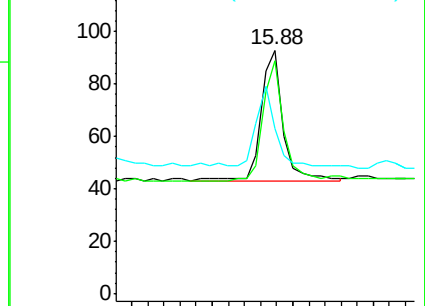
141 57.7 56.2 84.4

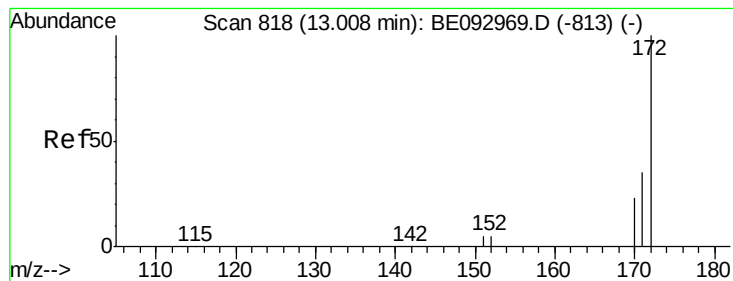


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.32 ng

RT: 13.01 min Scan# 818

Delta R.T. -0.00 min

Lab File: BE092978.D

Acq: 10 May 2017 12:24

Instrument :

BNA_E

ClientSampleId :

PB98656BS

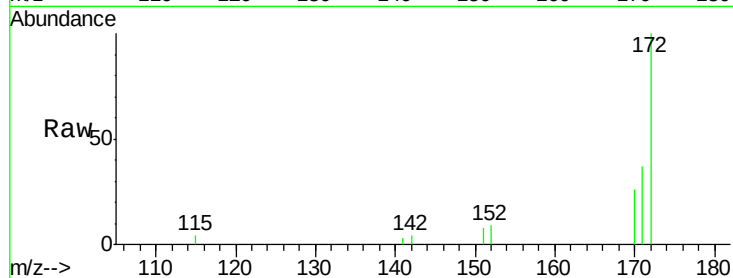
Tgt Ion:172 Resp: 2130

Ion Ratio Lower Upper

172 100

171 37.4 29.8 44.6

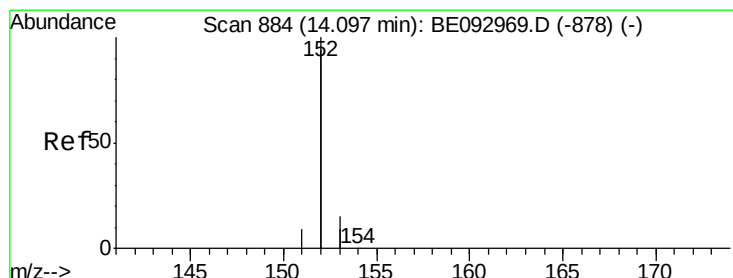
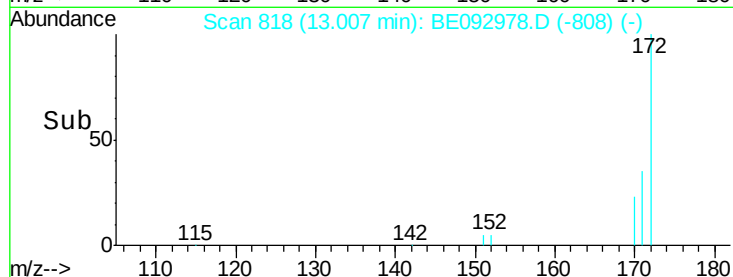
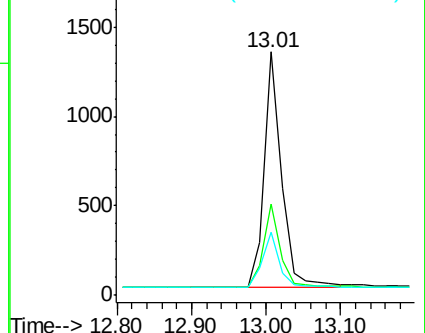
170 25.9 20.7 31.1



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



#16

Acenaphthylene

Concen: 0.25 ng

RT: 14.10 min Scan# 884

Delta R.T. 0.00 min

Lab File: BE092978.D

Acq: 10 May 2017 12:24

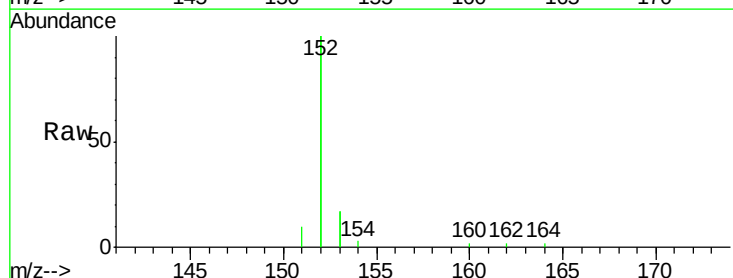
Tgt Ion:152 Resp: 7450

Ion Ratio Lower Upper

152 100

151 4.9 4.0 6.0

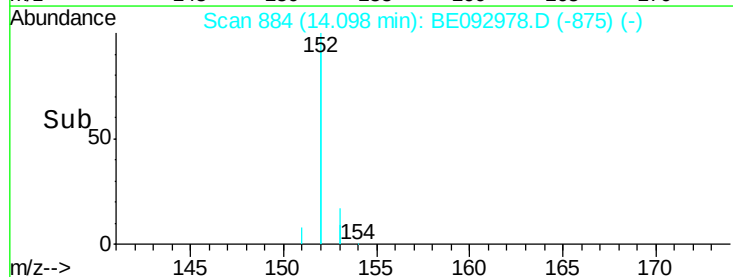
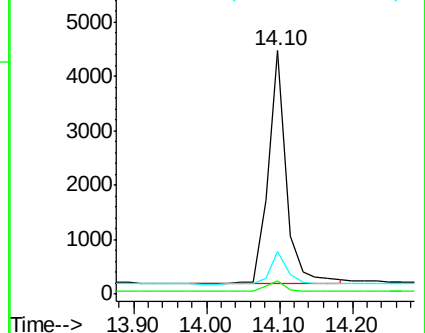
153 13.4 10.3 15.5

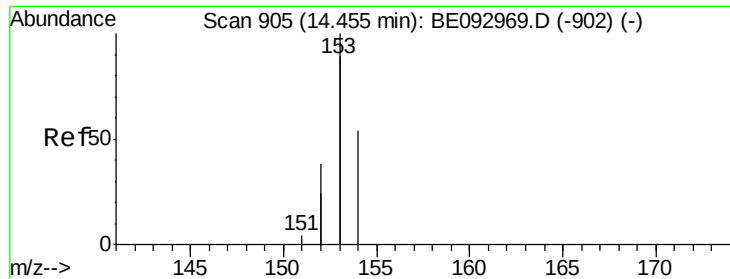


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

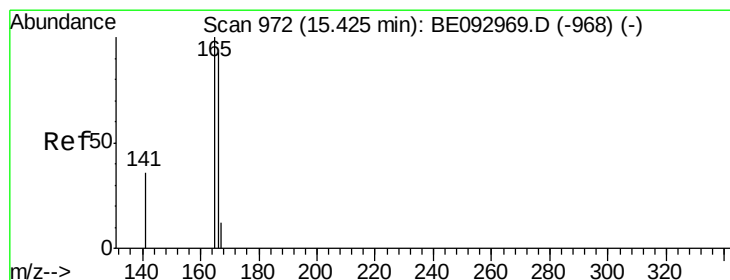
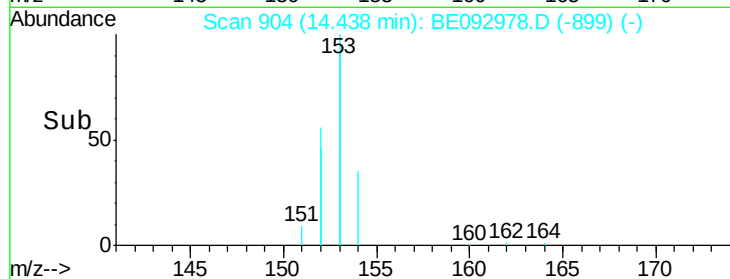
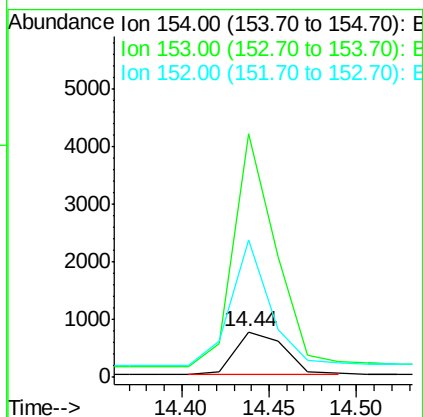
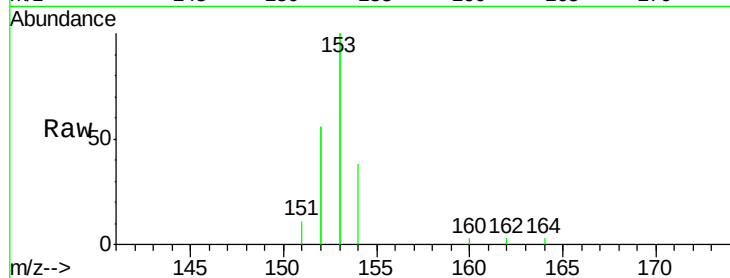




#17
Acenaphthene
Concen: 0.26 ng
RT: 14.44 min Scan# 904
Delta R.T. -0.02 min
Lab File: BE092978.D
Acq: 10 May 2017 12:24

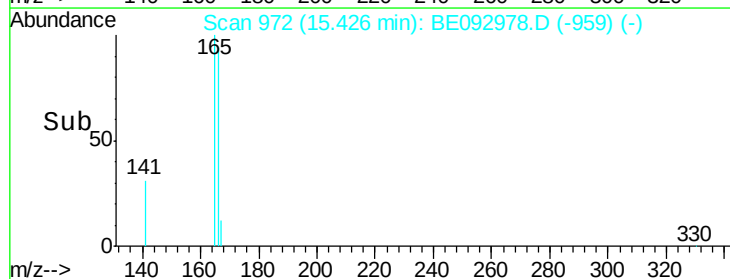
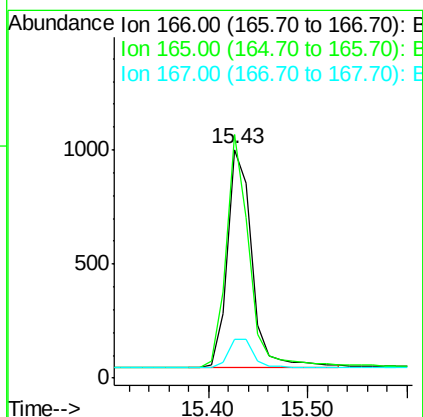
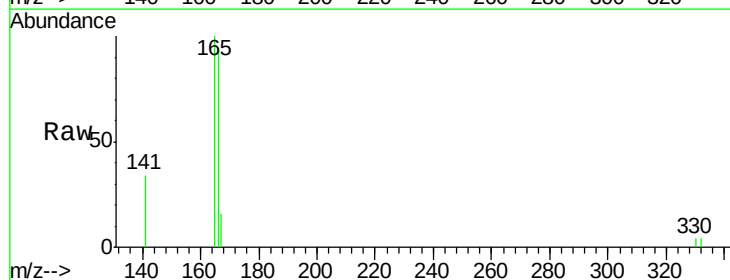
Instrument :
BNA_E
ClientSampled :
PB98656BS

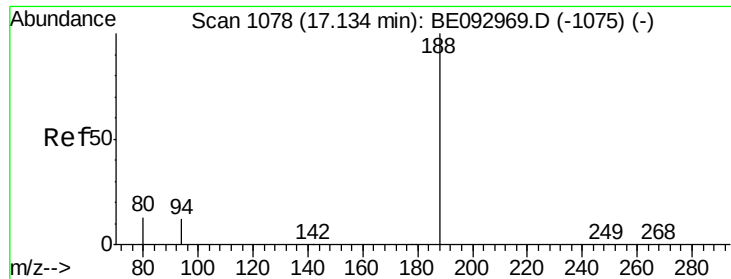
Tgt Ion:154 Resp: 1458
Ion Ratio Lower Upper
154 100
153 463.0 367.8 551.6
152 234.3 188.2 282.2



#18
Fluorene
Concen: 0.25 ng
RT: 15.43 min Scan# 972
Delta R.T. 0.00 min
Lab File: BE092978.D
Acq: 10 May 2017 12:24

Tgt Ion:166 Resp: 1662
Ion Ratio Lower Upper
166 100
165 98.3 78.6 117.8
167 14.4 11.1 16.7





#19

Phenanthrene-d10

Concen: 0.40 ng

RT: 17.13 min Scan# 1077

Delta R.T. -0.00 min

Lab File: BE092978.D

Acq: 10 May 2017 12:24

Instrument :

BNA_E

ClientSampleId :

PB98656BS

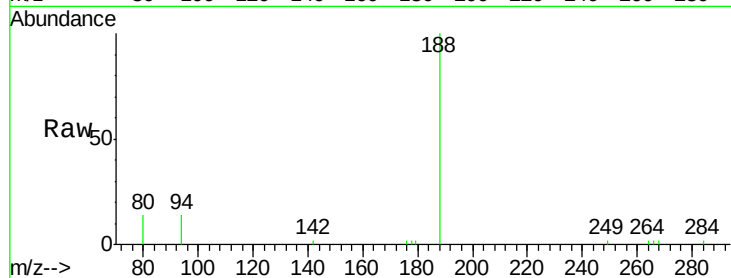
Tgt Ion:188 Resp: 3809

Ion Ratio Lower Upper

188 100

94 13.7 11.3 16.9

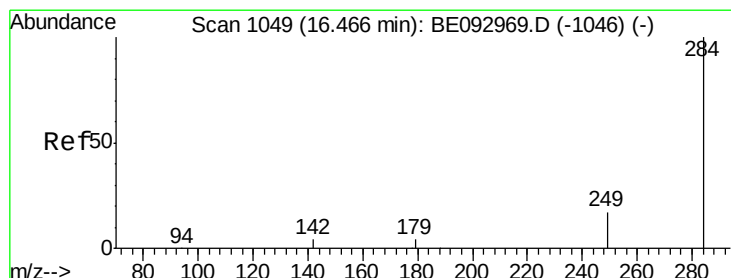
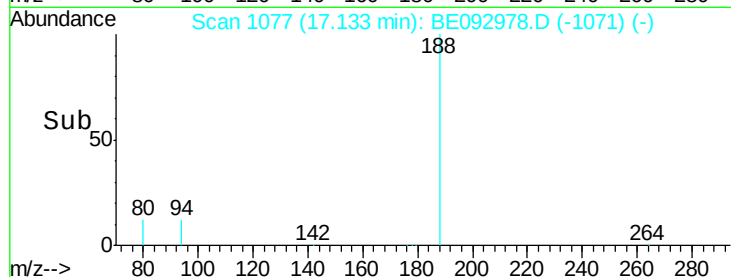
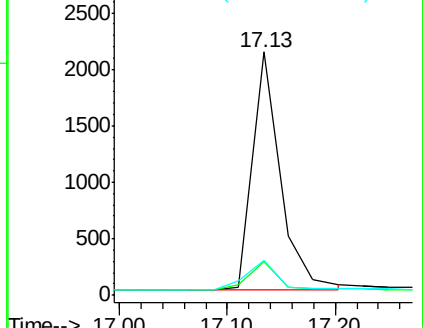
80 14.1 11.7 17.5



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



#20

Hexachlorobenzene

Concen: 0.26 ng

RT: 16.47 min Scan# 1048

Delta R.T. -0.00 min

Lab File: BE092978.D

Acq: 10 May 2017 12:24

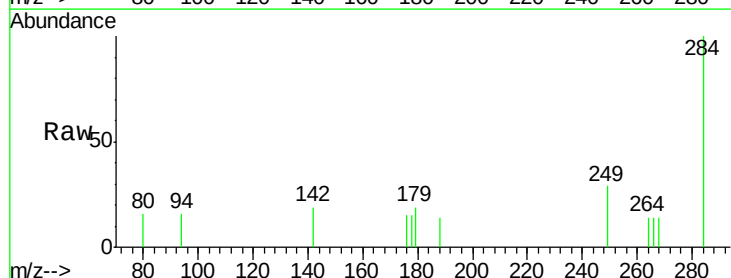
Tgt Ion:284 Resp: 466

Ion Ratio Lower Upper

284 100

142 0.0 0.0 0.0

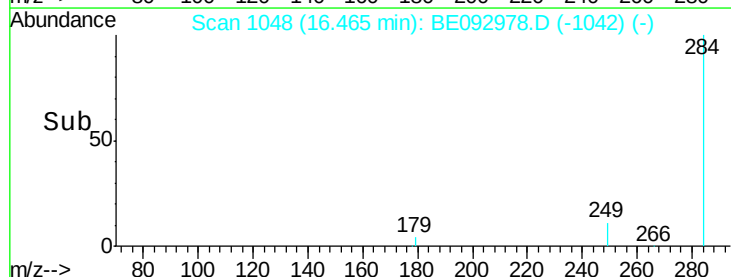
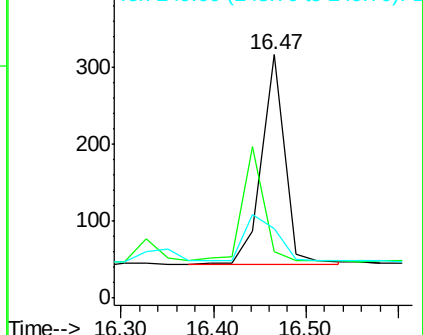
249 0.0 0.0 0.0

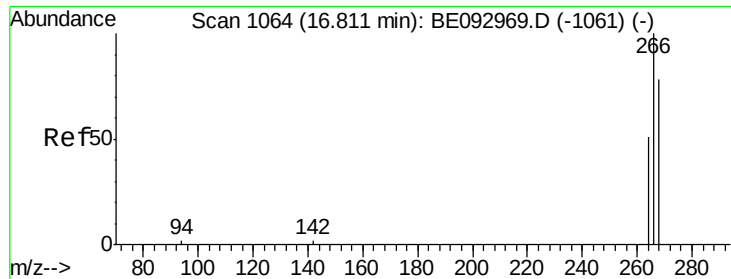


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E

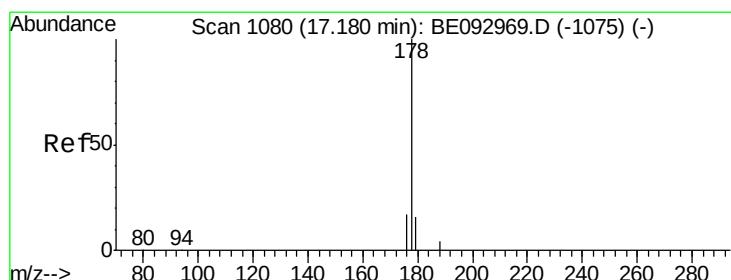
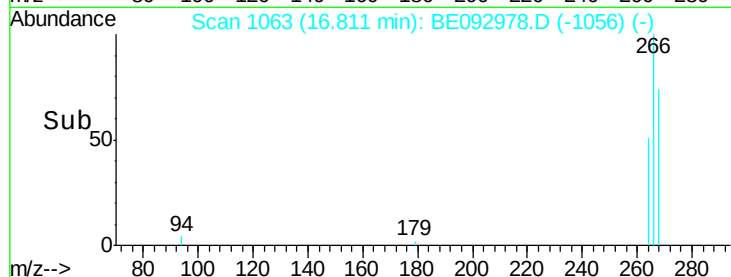
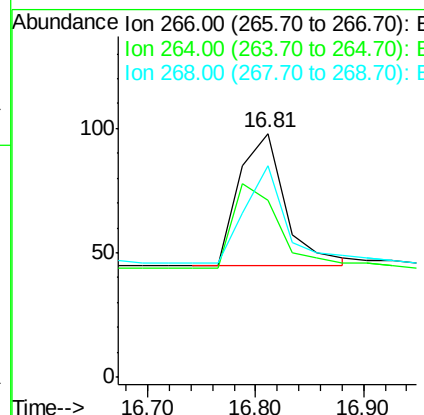
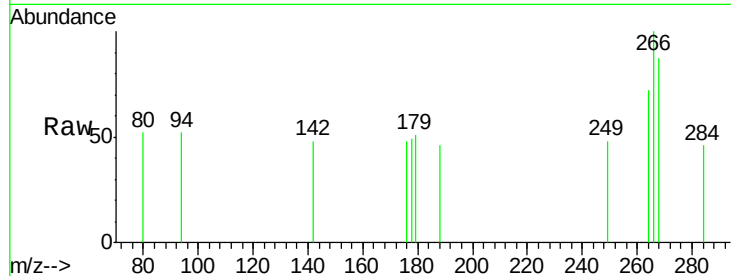




#21
 Pentachlorophenol
 Concen: 0.40 ng
 RT: 16.81 min Scan# 1063
 Delta R.T. -0.00 min
 Lab File: BE092978.D
 Acq: 10 May 2017 12:24

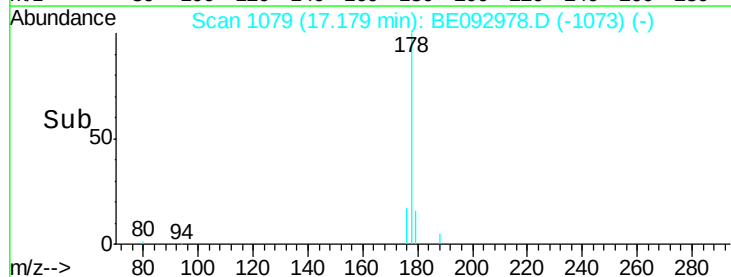
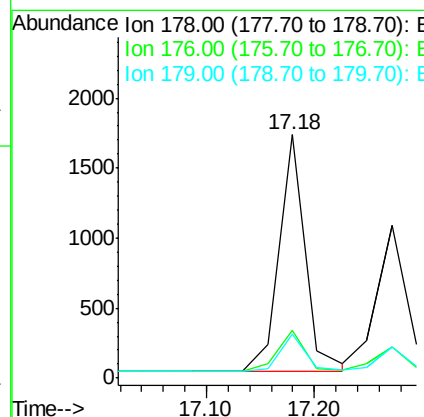
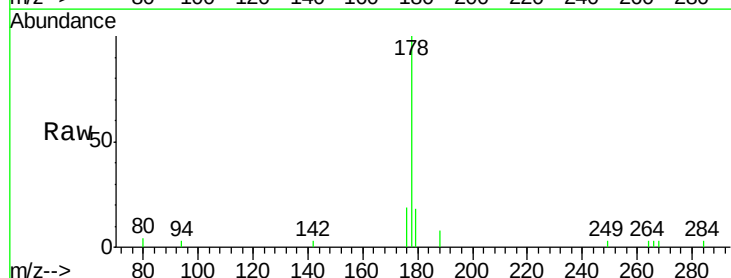
Instrument :
 BNA_E
 ClientSampleId :
 PB98656BS

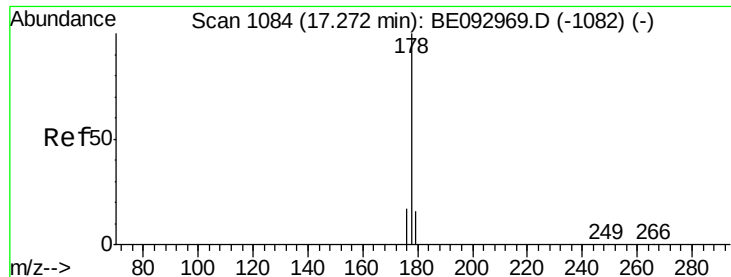
Tgt Ion: 266 Resp: 156
 Ion Ratio Lower Upper
 266 100
 264 72.4 58.2 87.2
 268 86.7 71.9 107.9



#22
 Phenanthrene
 Concen: 0.27 ng
 RT: 17.18 min Scan# 1079
 Delta R.T. -0.00 min
 Lab File: BE092978.D
 Acq: 10 May 2017 12:24

Tgt Ion: 178 Resp: 2879
 Ion Ratio Lower Upper
 178 100
 176 18.3 15.0 22.4
 179 15.7 12.7 19.1





#23

Anthracene

Concen: 0.24 ng

RT: 17.27 min Scan# 1083

Delta R.T. -0.00 min

Lab File: BE092978.D

Acq: 10 May 2017 12:24

Instrument :

BNA_E

ClientSampleId :

PB98656BS

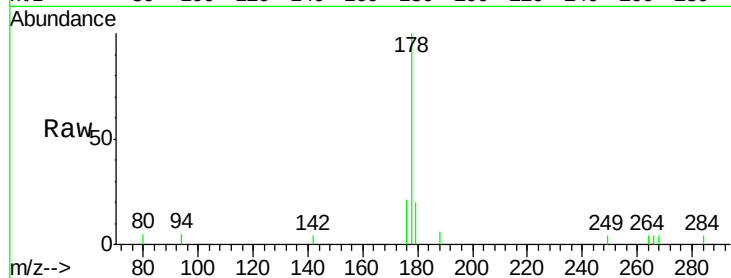
Tgt Ion:178 Resp: 2065

Ion Ratio Lower Upper

178 100

176 18.6 14.6 22.0

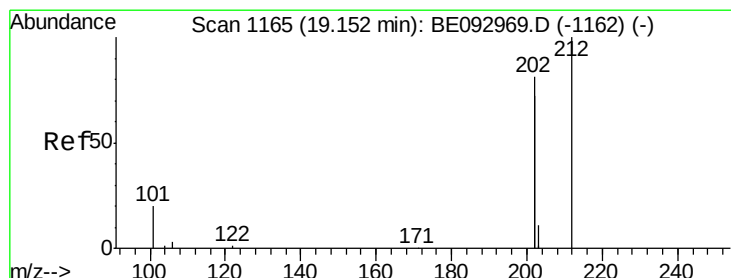
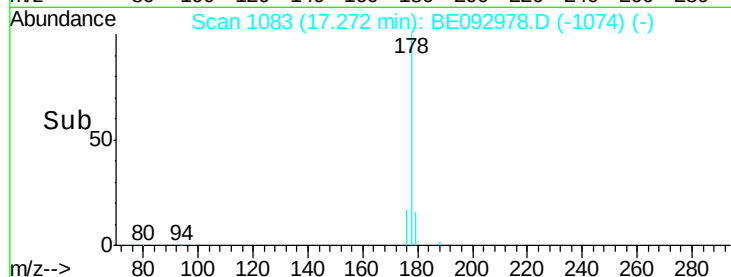
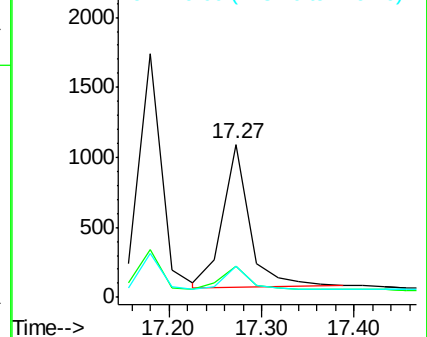
179 15.4 12.0 18.0



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

Fluoranthene-d10

Concen: 0.24 ng

RT: 19.15 min Scan# 1164

Delta R.T. -0.00 min

Lab File: BE092978.D

Acq: 10 May 2017 12:24

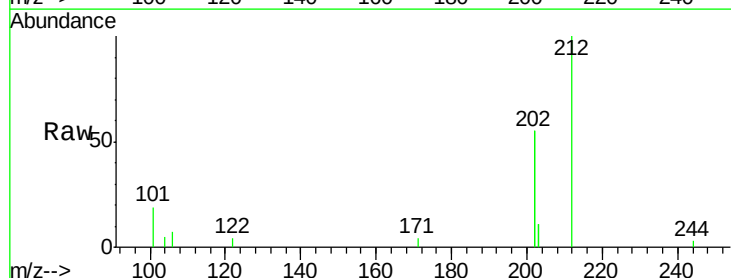
Tgt Ion:212 Resp: 2331

Ion Ratio Lower Upper

212 100

106 0.0 0.0 0.0

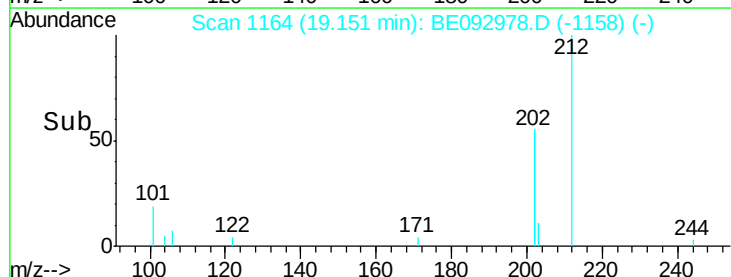
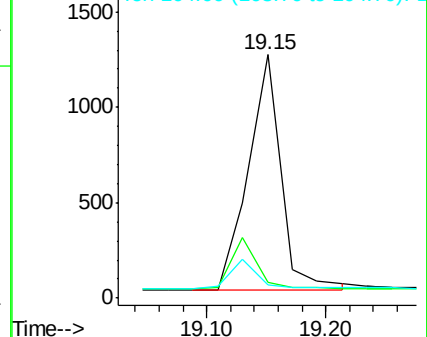
104 0.0 0.0 0.0

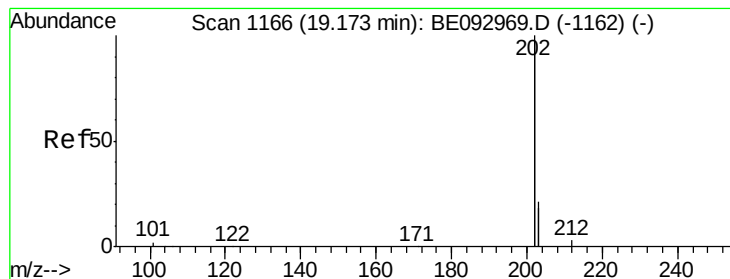


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E





#25

Fluoranthene

Concen: 0.24 ng

RT: 19.17 min Scan# 1165

Delta R.T. -0.00 min

Lab File: BE092978.D

Acq: 10 May 2017 12:24

Instrument :

BNA_E

ClientSampleId :

PB98656BS

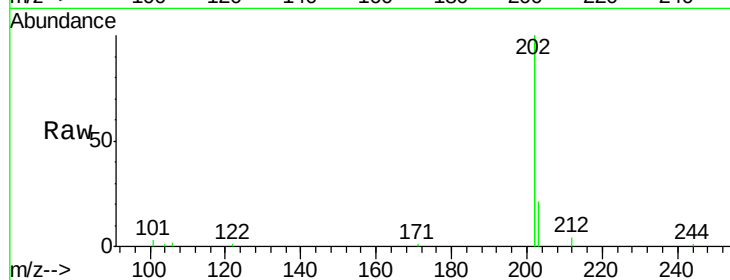
Tgt Ion:202 Resp: 12028

Ion Ratio Lower Upper

202 100

101 0.0 0.0 0.0

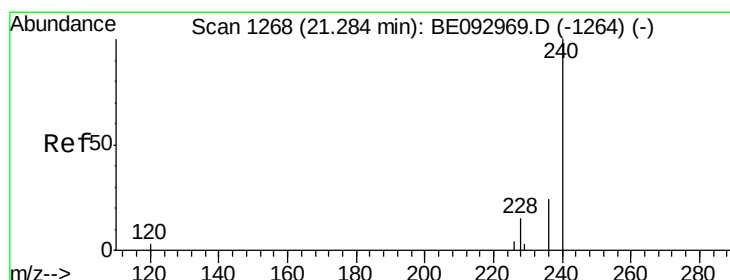
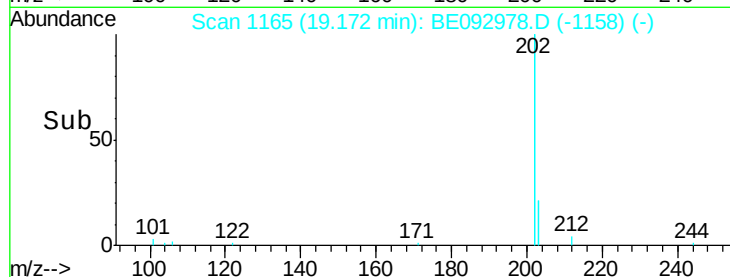
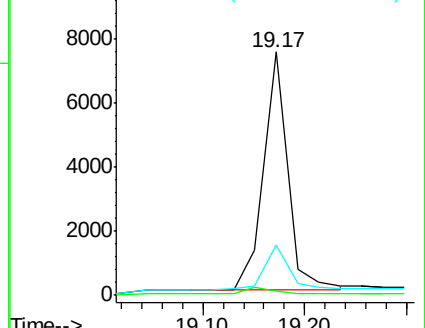
203 17.5 14.4 21.6



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#26

Chrysene-d12

Concen: 0.40 ng

RT: 21.28 min Scan# 1267

Delta R.T. -0.00 min

Lab File: BE092978.D

Acq: 10 May 2017 12:24

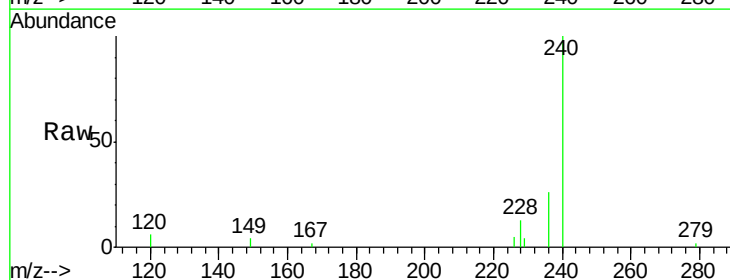
Tgt Ion:240 Resp: 3700

Ion Ratio Lower Upper

240 100

120 6.3 4.6 7.0

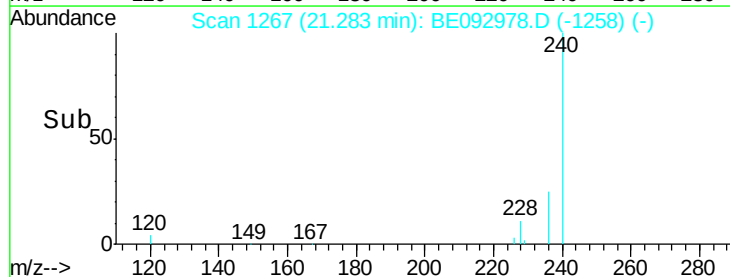
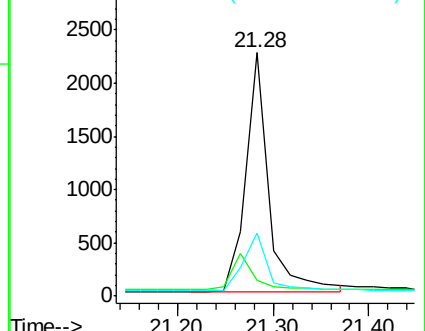
236 26.1 20.8 31.2

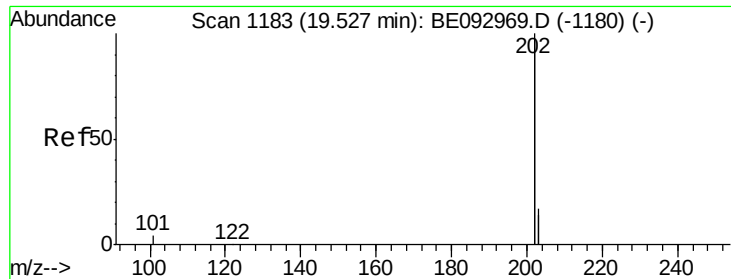


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#27

Pyrene

Concen: 0.25 ng

RT: 19.53 min Scan# 1182

Delta R.T. -0.00 min

Lab File: BE092978.D

Acq: 10 May 2017 12:24

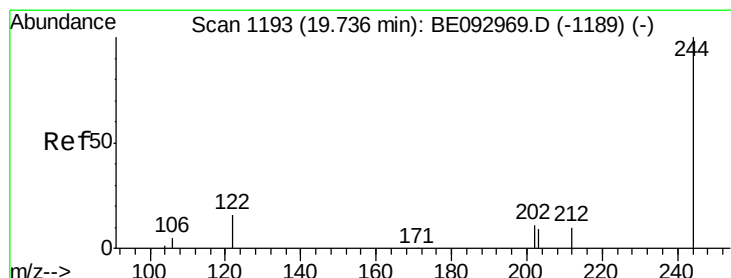
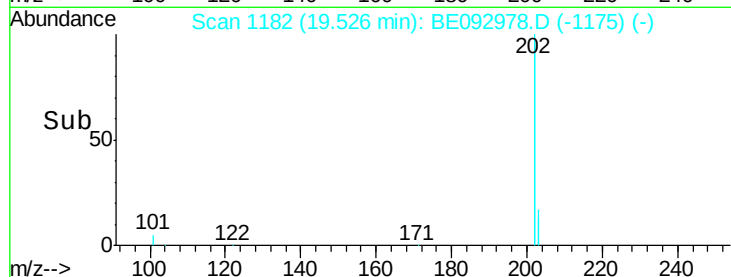
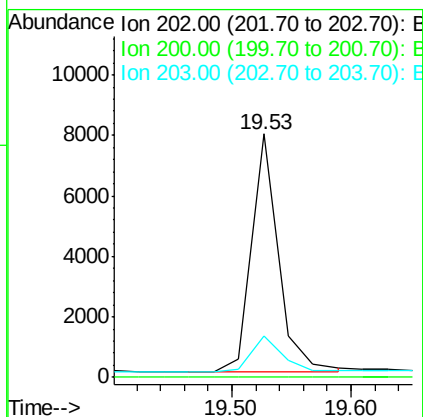
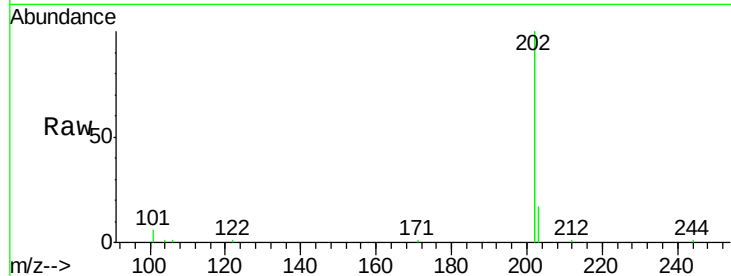
Instrument :

BNA_E

ClientSampleId :

PB98656BS

Tgt Ion:	202	Resp:	12212
Ion	Ratio	Lower	Upper
202	100		
200	0.0	0.0	0.0
203	17.3	13.7	20.5



#28

Terphenyl-d14

Concen: 0.25 ng

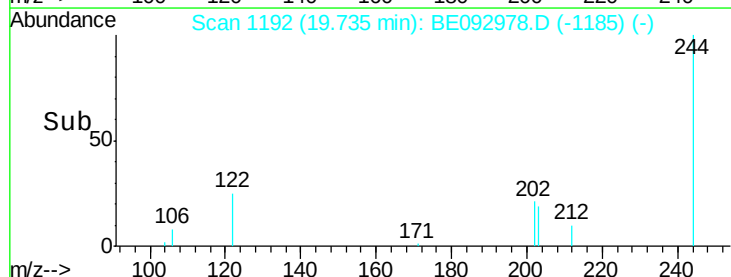
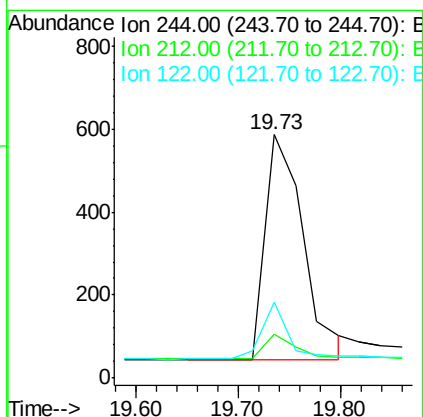
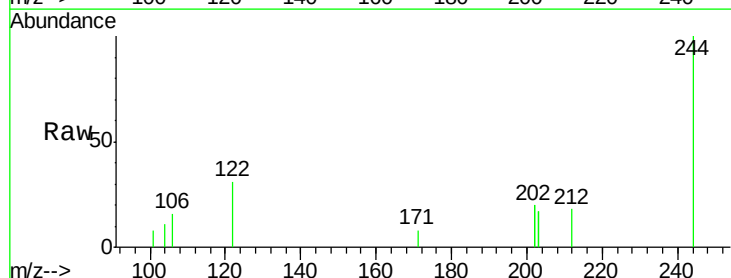
RT: 19.73 min Scan# 1192

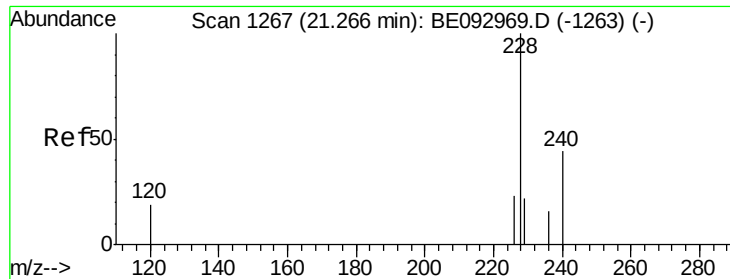
Delta R.T. -0.00 min

Lab File: BE092978.D

Acq: 10 May 2017 12:24

Tgt Ion:	244	Resp:	1394
Ion	Ratio	Lower	Upper
244	100		
212	17.9	10.6	16.0#
122	31.2	15.4	23.0#





#29

Benzo(a)anthracene

Concen: 0.27 ng

RT: 21.27 min Scan# 1266

Delta R.T. -0.00 min

Lab File: BE092978.D

Acq: 10 May 2017 12:24

Instrument :

BNA_E

ClientSampleId :

PB98656BS

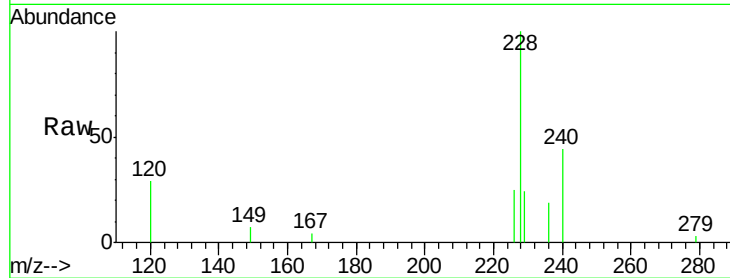
Tgt Ion:228 Resp: 2345

Ion Ratio Lower Upper

228 100

226 25.5 19.7 29.5

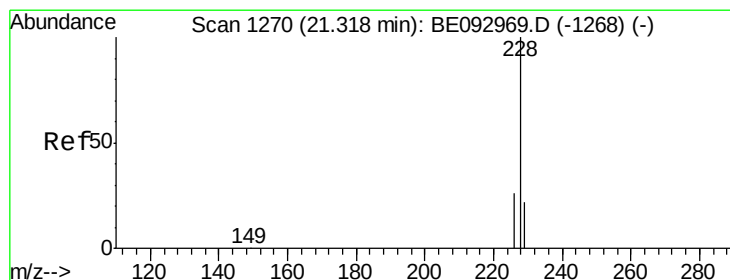
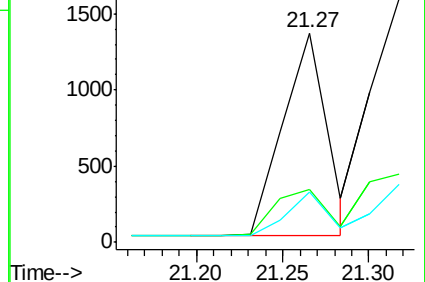
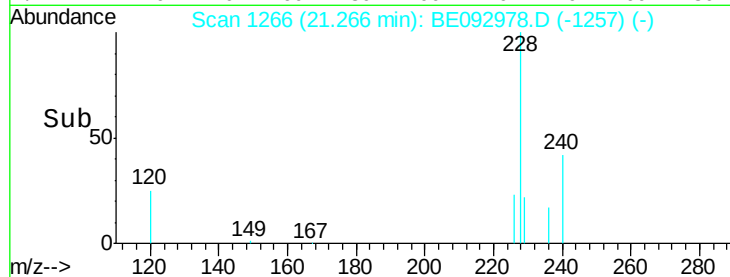
229 24.2 19.2 28.8



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



#30

Chrysene

Concen: 0.27 ng

RT: 21.32 min Scan# 1269

Delta R.T. -0.00 min

Lab File: BE092978.D

Acq: 10 May 2017 12:24

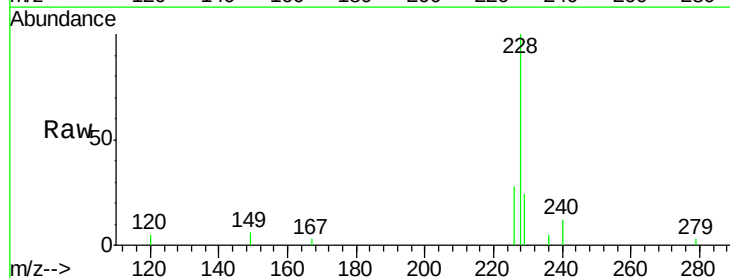
Tgt Ion:228 Resp: 3170

Ion Ratio Lower Upper

228 100

226 28.0 21.5 32.3

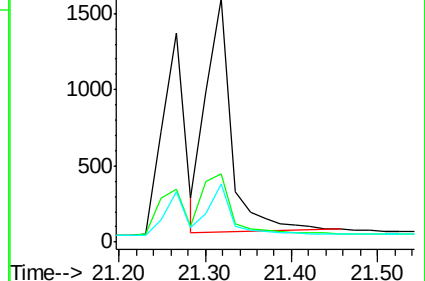
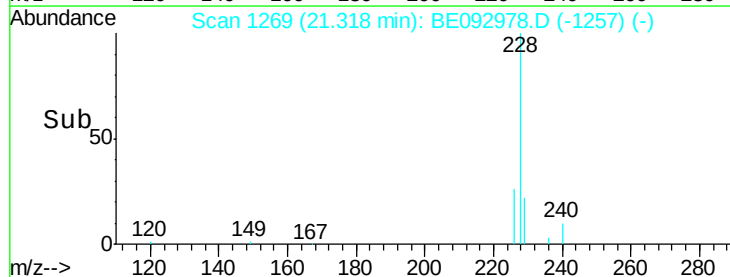
229 23.8 18.6 28.0

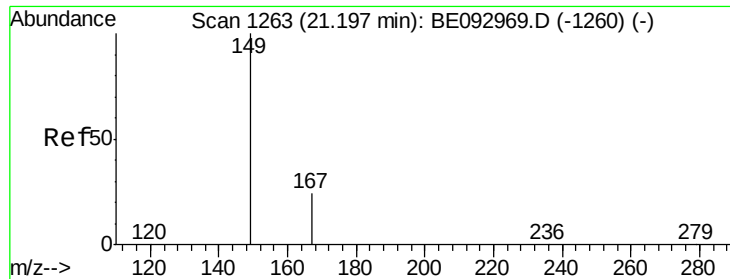


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

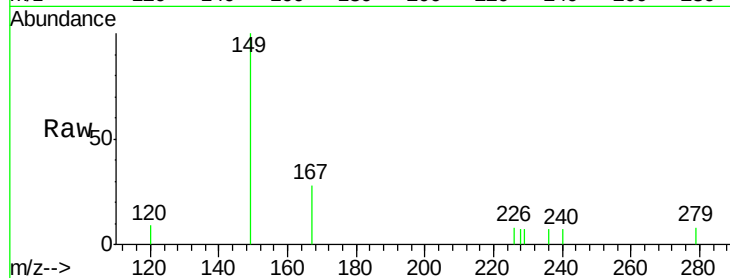




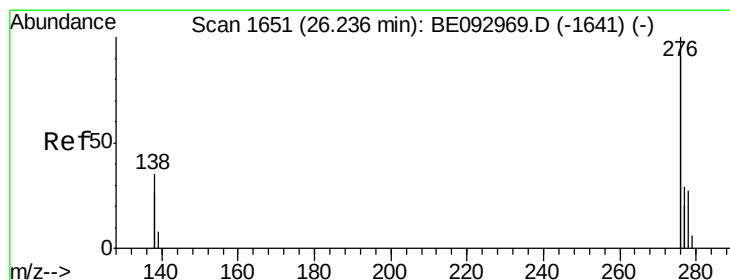
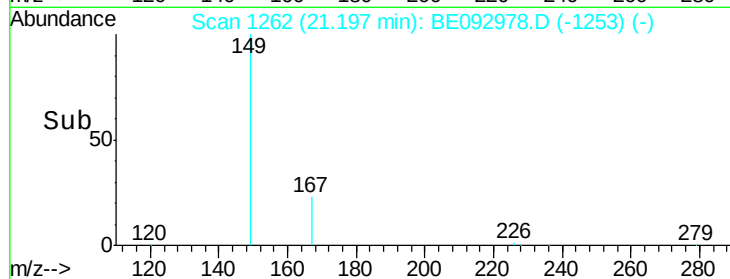
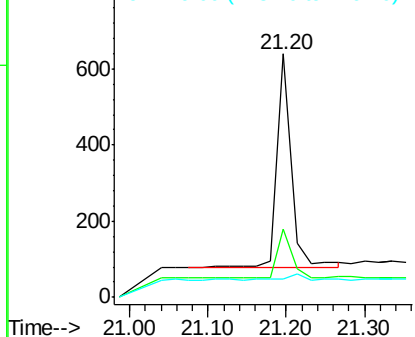
#31
 Bis(2-ethylhexyl)phthalate
 Concen: 0.17 ng
 RT: 21.20 min Scan# 1262
 Delta R.T. -0.00 min
 Lab File: BE092978.D
 Acq: 10 May 2017 12:24

Instrument :
 BNA_E
 ClientSampleId :
 PB98656BS

Tgt Ion:149 Resp: 713
 Ion Ratio Lower Upper
 149 100
 167 23.8 20.1 30.1
 279 2.9 2.2 3.4

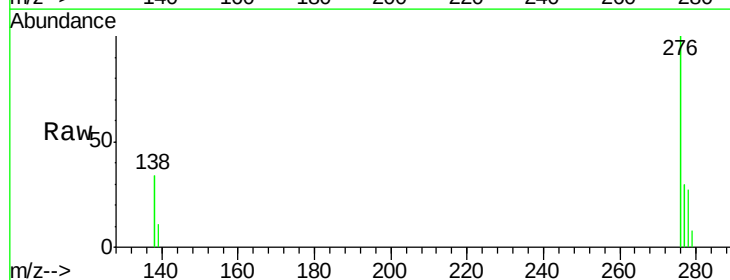


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

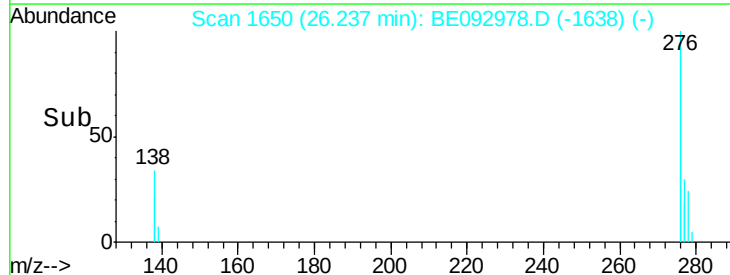
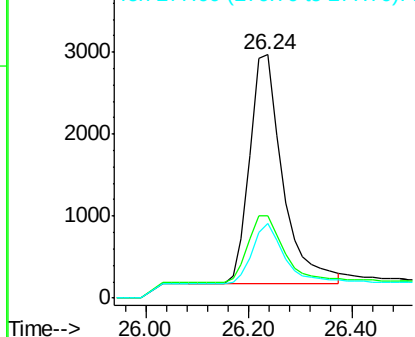


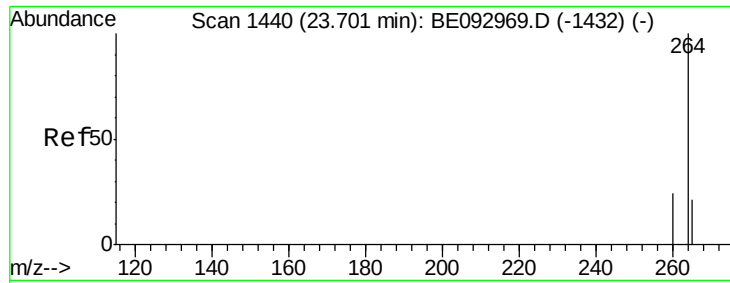
#32
 Indeno(1,2,3-cd)pyrene
 Concen: 0.30 ng
 RT: 26.24 min Scan# 1650
 Delta R.T. 0.00 min
 Lab File: BE092978.D
 Acq: 10 May 2017 12:24

Tgt Ion:276 Resp: 12352
 Ion Ratio Lower Upper
 276 100
 138 32.0 27.4 41.2
 277 24.9 20.1 30.1



Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E





#33

Perylene-d12

Concen: 0.40 ng

RT: 23.70 min Scan# 1439

Delta R.T. -0.00 min

Lab File: BE092978.D

Acq: 10 May 2017 12:24

Instrument :

BNA_E

ClientSampleId :

PB98656BS

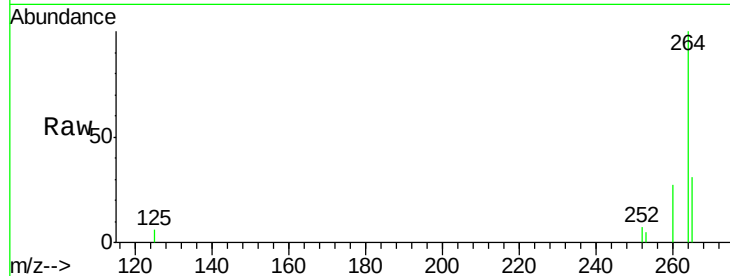
Tgt Ion:264 Resp: 3268

Ion Ratio Lower Upper

264 100

260 26.9 21.0 31.4

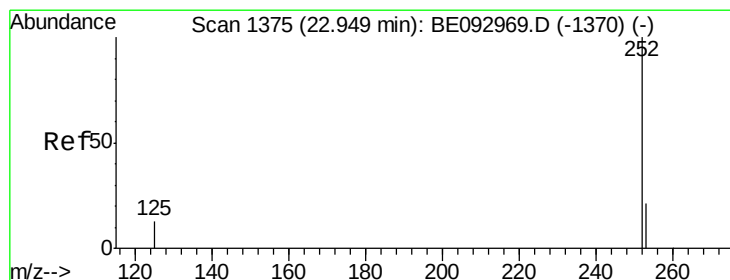
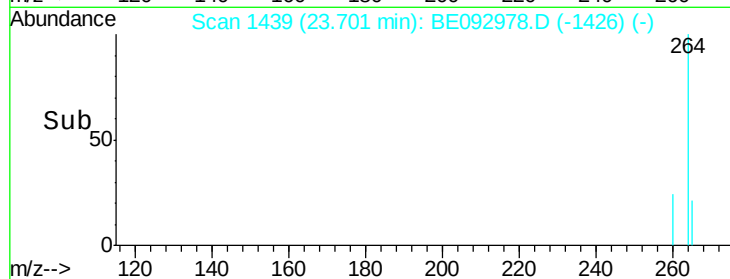
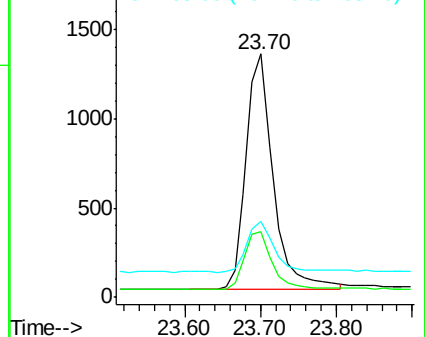
265 31.2 24.6 36.8



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



#34

Benzo(b)fluoranthene

Concen: 0.26 ng

RT: 22.95 min Scan# 1374

Delta R.T. -0.00 min

Lab File: BE092978.D

Acq: 10 May 2017 12:24

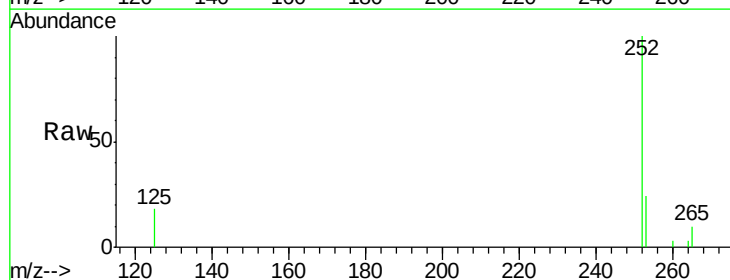
Tgt Ion:252 Resp: 2613

Ion Ratio Lower Upper

252 100

253 23.8 18.5 27.7

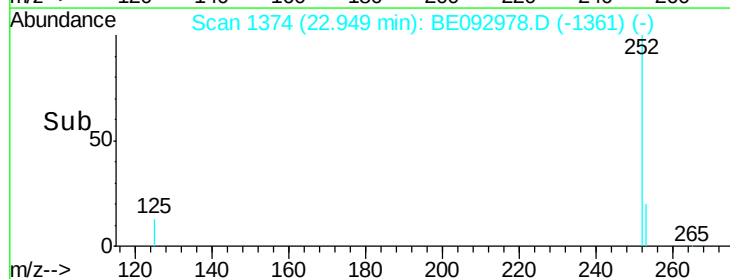
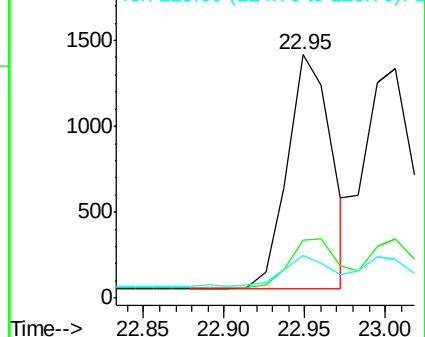
125 17.6 13.4 20.0

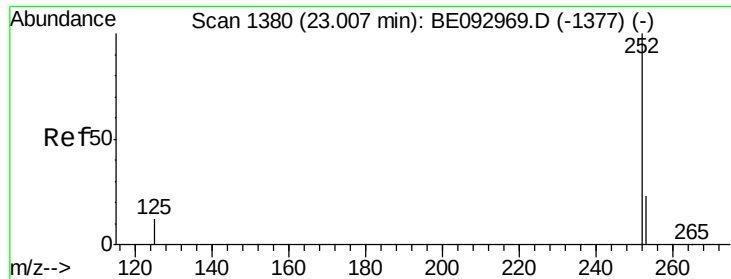


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

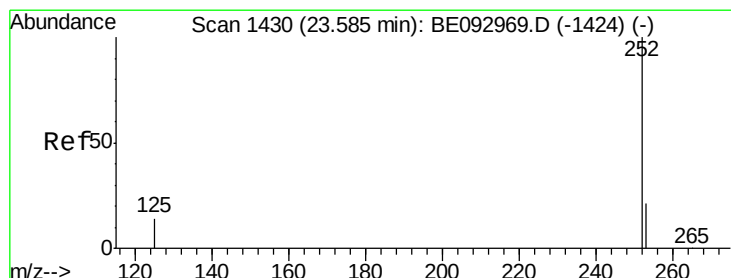
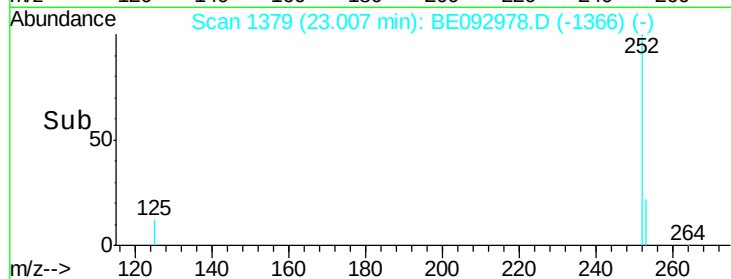
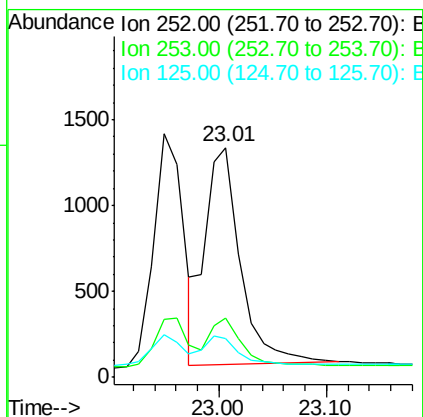
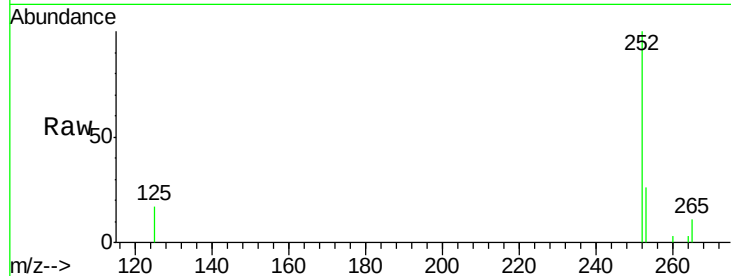




#35
Benzo(k)fluoranthene
Concen: 0.27 ng
RT: 23.01 min Scan# 1379
Delta R.T. -0.00 min
Lab File: BE092978.D
Acq: 10 May 2017 12:24

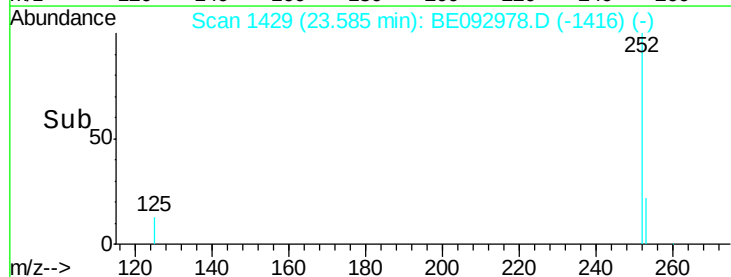
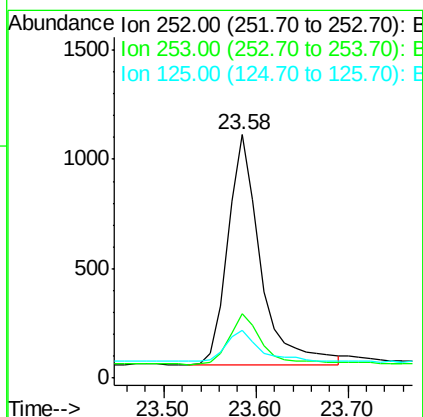
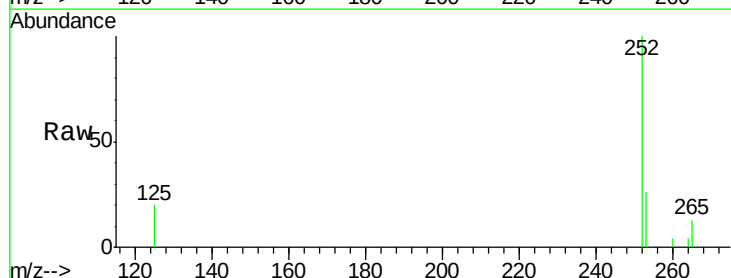
Instrument :
BNA_E
ClientSampleId :
PB98656BS

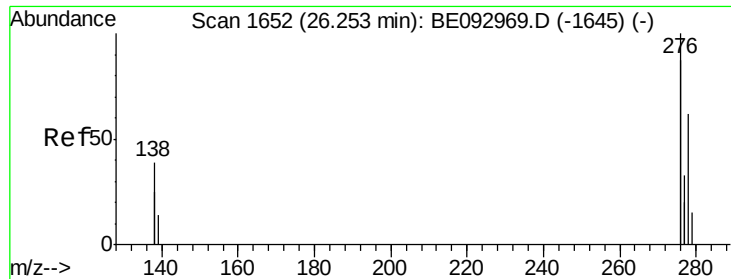
Tgt Ion: 252 Resp: 2863
Ion Ratio Lower Upper
252 100
253 25.7 20.3 30.5
125 16.7 12.2 18.4



#36
Benzo(a)pyrene
Concen: 0.28 ng
RT: 23.58 min Scan# 1429
Delta R.T. -0.00 min
Lab File: BE092978.D
Acq: 10 May 2017 12:24

Tgt Ion: 252 Resp: 2578
Ion Ratio Lower Upper
252 100
253 26.4 19.9 29.9
125 19.7 14.6 21.8



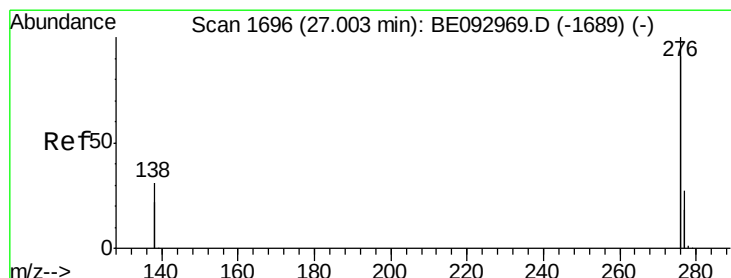
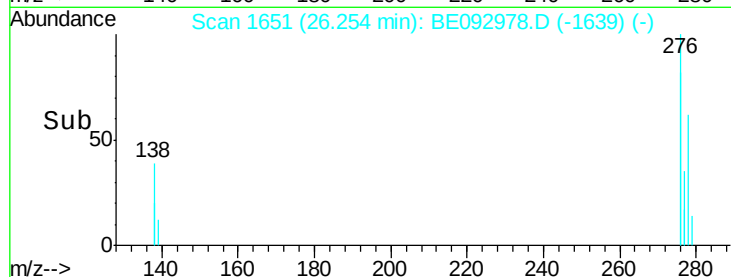
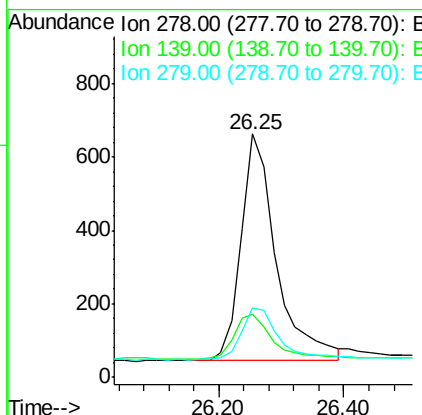
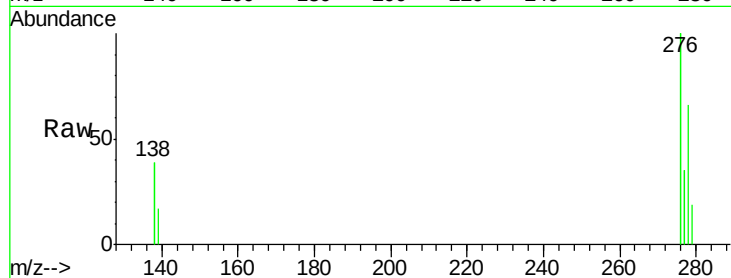


#37
Dibenzo(a,h)anthracene
Concen: 0.26 ng
RT: 26.25 min Scan# 1651
Delta R.T. 0.00 min
Lab File: BE092978.D
Acq: 10 May 2017 12:24

Instrument :
BNA_E
ClientSampleId :
PB98656BS

Tgt Ion: 278 Resp: 2436

Ion	Ratio	Lower	Upper
278	100		
139	25.9	21.4	32.0
279	28.4	22.2	33.2



#38
Benzo(g,h,i)perylene
Concen: 0.28 ng
RT: 27.00 min Scan# 1695
Delta R.T. 0.00 min
Lab File: BE092978.D
Acq: 10 May 2017 12:24

Tgt Ion: 276 Resp: 11088

Ion	Ratio	Lower	Upper
276	100		
277	28.7	21.2	31.8
138	31.4	24.5	36.7

