

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE013117\
 Data File : BE092700.D
 Acq On : 31 Jan 2017 23:22
 Operator : SJ/MA
 Sample : I1505-02 10X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SB-01A

Quant Time: Feb 01 02:24:12 2017
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE011617.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 17 10:14:01 2017
 Response via : Initial Calibration

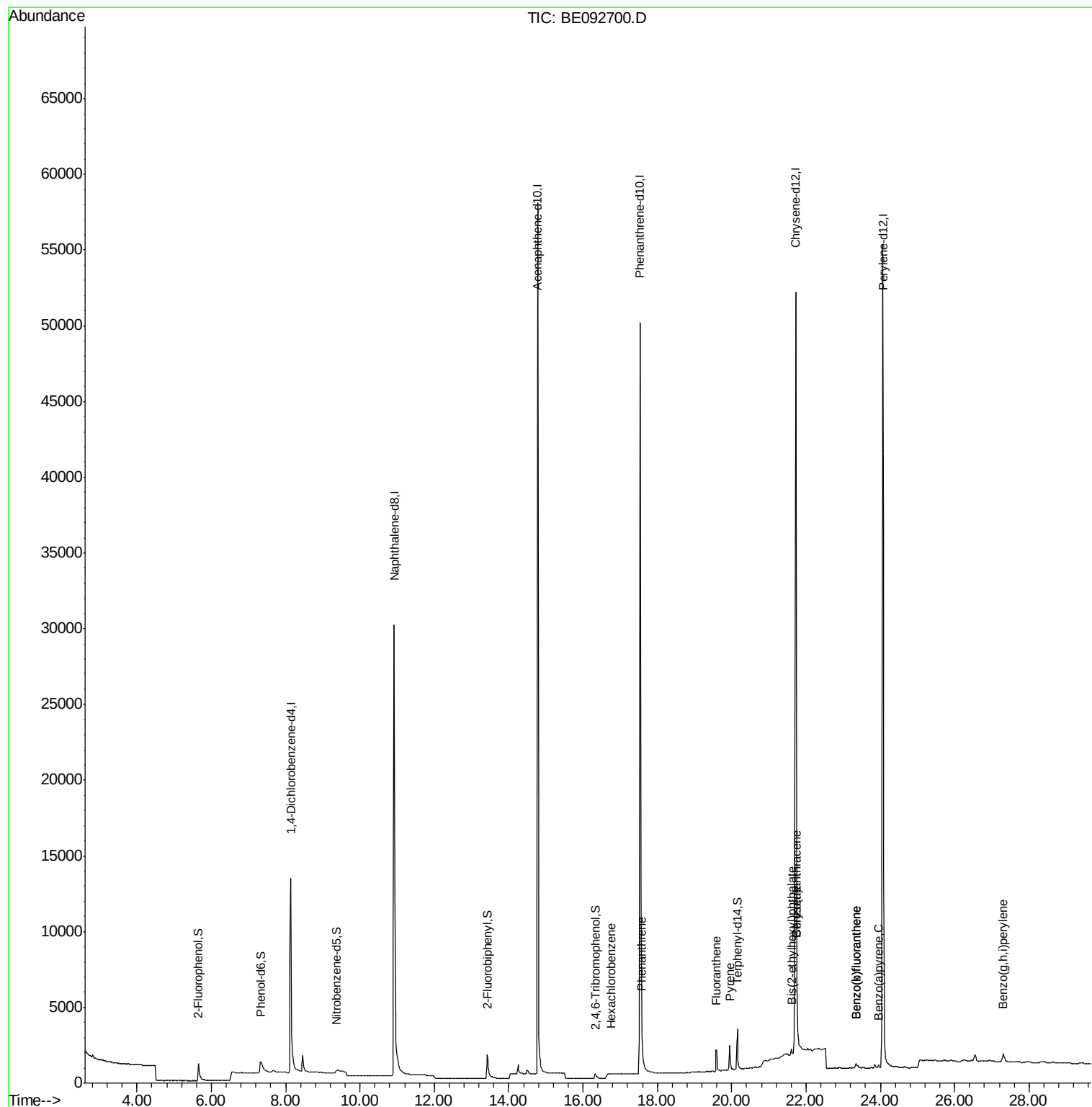
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	10827	5.00	ng	0.00
7) Naphthalene-d8	10.91	136	55041	5.00	ng	0.00
12) Acenaphthene-d10	14.78	164	37757	5.00	ng	0.00
18) Phenanthrene-d10	17.53	188	78840	5.00	ng	0.00
24) Chrysene-d12	21.72	240	76783	5.00	ng	0.00
31) Perylene-d12	24.06	264	80509	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.65	112	1957	0.81	ng	0.00
5) Phenol-d6	7.34	99	2410	0.81	ng	0.00
8) Nitrobenzene-d5	9.36	82	908	0.25	ng	0.02
13) 2,4,6-Tribromophenol	16.33	330	583	0.64	ng	0.04
14) 2-Fluorobiphenyl	13.42	172	3455	0.37	ng	0.00
26) Terphenyl-d14	20.16	244	4858	0.45	ng	0.00
Target Compounds						
19) Hexachlorobenzene	16.75	284	535	0.12	ng	# 39
21) Phenanthrene	17.58	178	567	0.03	ng	# 93
23) Fluoranthene	19.58	202	3085	0.04	ng	95
25) Pyrene	19.95	202	3145	0.04	ng	95
27) Benzo(a)anthracene	21.75	228	5015	0.07	ng	# 57
28) Chrysene	21.75	228	5015	0.06	ng	# 82
29) Bis(2-ethylhexyl)phthalate	21.61	149	721	0.25	ng	# 73
32) Benzo(b)fluoranthene	23.35	252	853	0.04	ng	# 1
33) Benzo(k)fluoranthene	23.35	252	853	0.04	ng	# 1
34) Benzo(a)pyrene	23.96	252	367	0.02	ng	# 1
36) Benzo(g,h,i)perylene	27.30	276	1536	0.02	ng	# 8

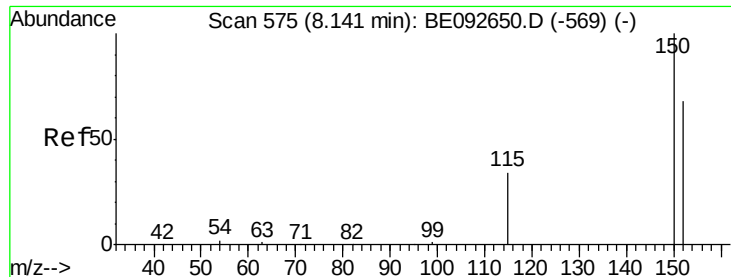
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.14 min Scan# 575

Delta R.T. 0.00 min

Lab File: BE092700.D

Acq: 31 Jan 2017 23:22

Instrument :

BNA_E

ClientSampleId :

SB-01A

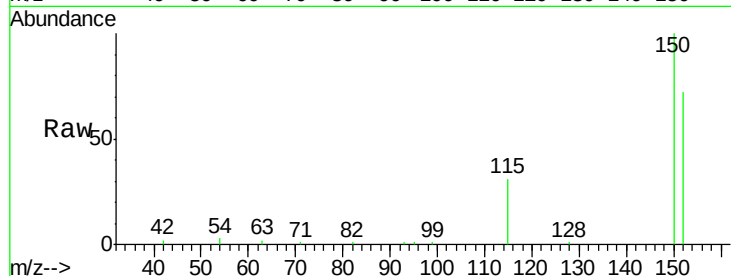
Tgt Ion:152 Resp: 10827

Ion Ratio Lower Upper

152 100

150 139.3 106.0 159.0

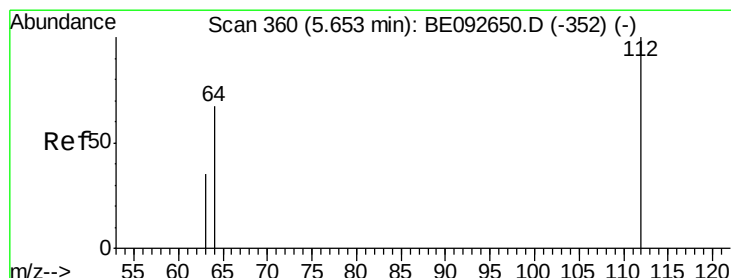
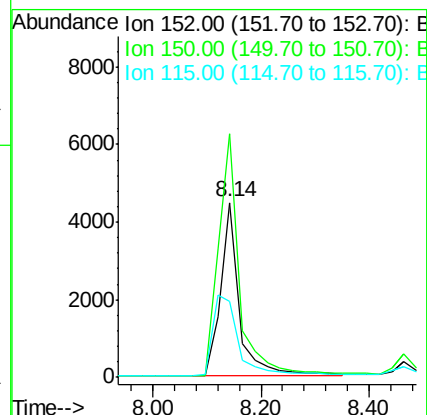
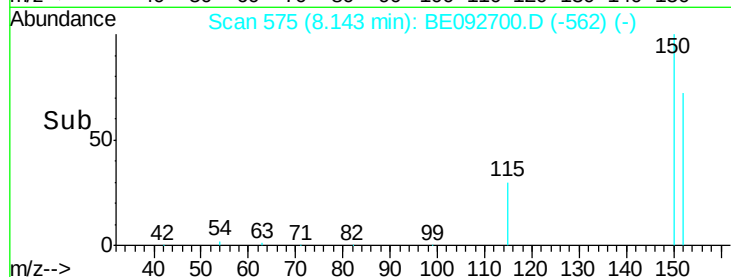
115 43.3 31.2 46.8



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol

Concen: 0.81 ng

RT: 5.65 min Scan# 360

Delta R.T. -0.00 min

Lab File: BE092700.D

Acq: 31 Jan 2017 23:22

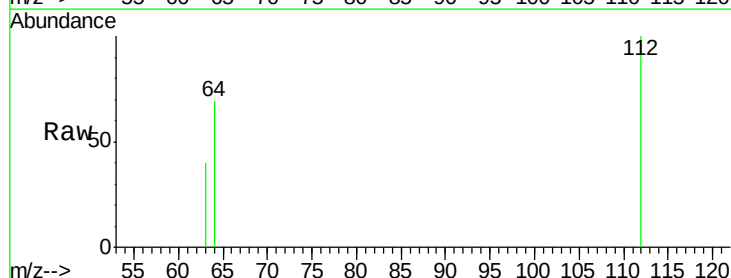
Tgt Ion:112 Resp: 1957

Ion Ratio Lower Upper

112 100

64 67.3 53.5 80.3

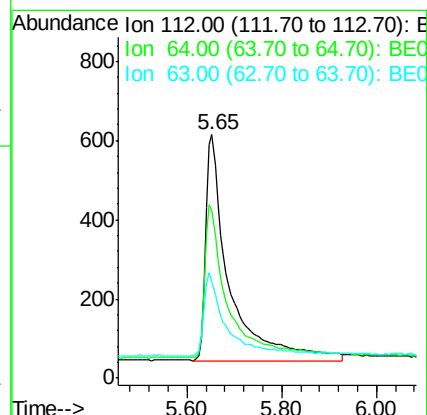
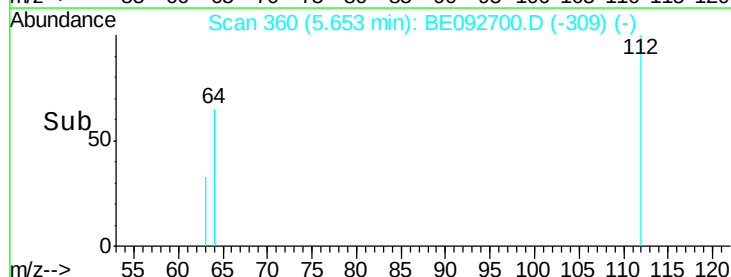
63 33.9 27.9 41.9

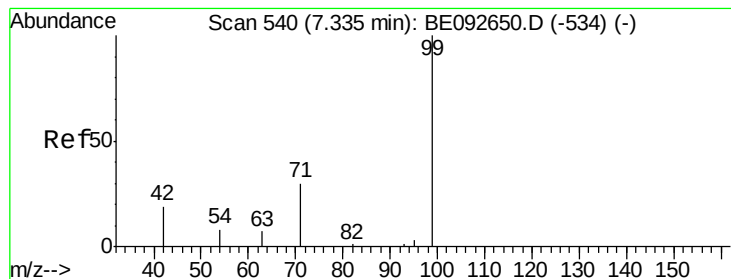


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.81 ng

RT: 7.34 min Scan# 540

Delta R.T. 0.00 min

Lab File: BE092700.D

Acq: 31 Jan 2017 23:22

Instrument :

BNA_E

ClientSampleId :

SB-01A

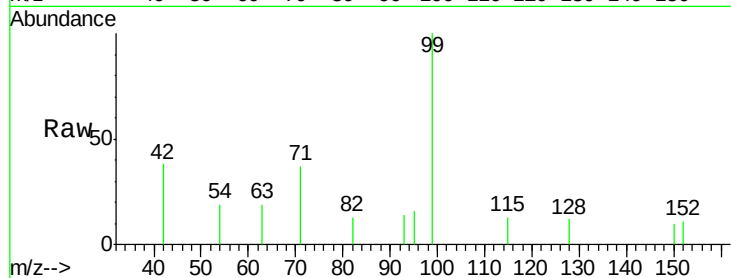
Tgt Ion: 99 Resp: 2410

Ion Ratio Lower Upper

99 100

42 0.0 16.0 24.0#

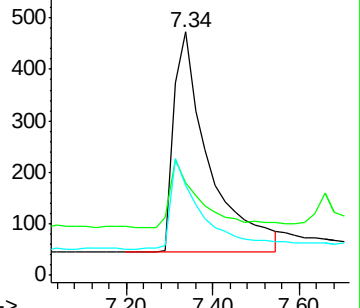
71 0.0 30.6 45.8#



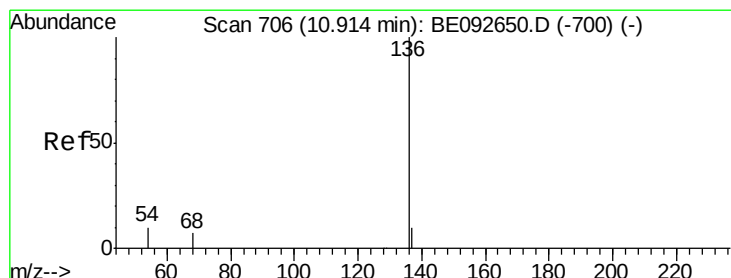
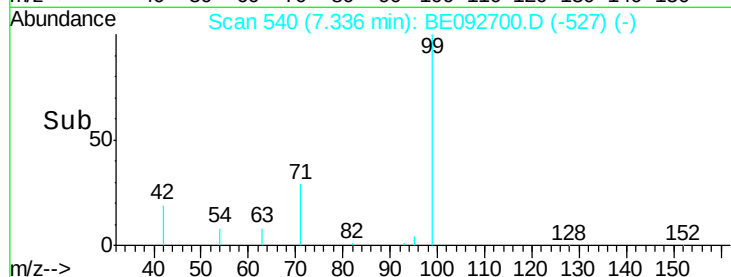
Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



Time-->



#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.91 min Scan# 706

Delta R.T. -0.00 min

Lab File: BE092700.D

Acq: 31 Jan 2017 23:22

Tgt Ion: 136 Resp: 55041

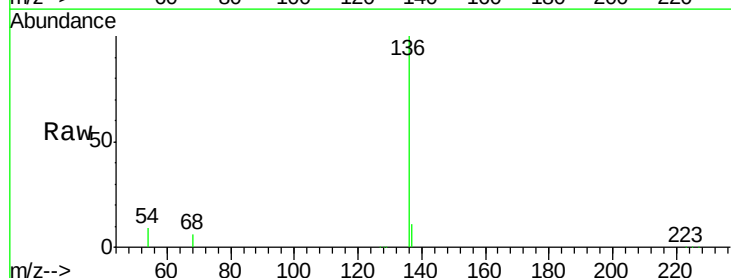
Ion Ratio Lower Upper

136 100

137 10.9 8.2 12.4

54 8.5 9.6 14.4#

68 6.1 6.7 10.1#

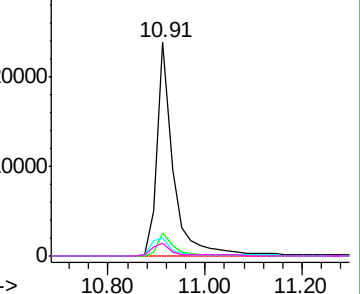


Abundance Ion 136.00 (135.70 to 136.70): E

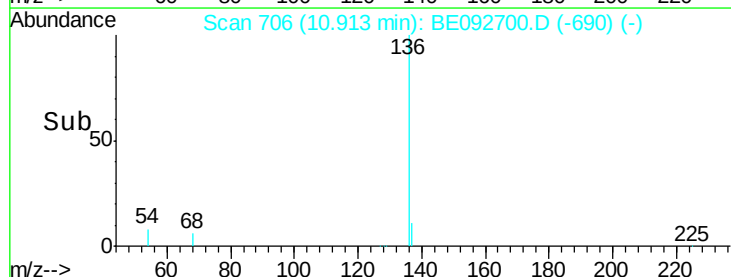
Ion 137.00 (136.70 to 137.70): E

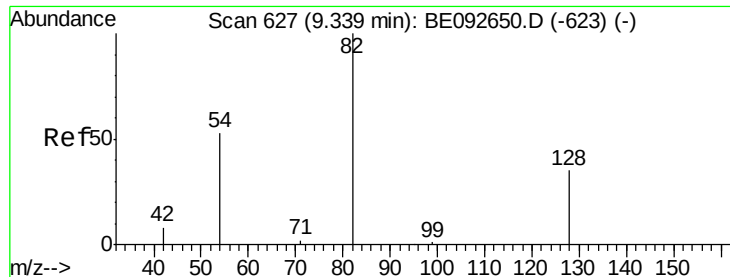
Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



Time-->





#8

Nitrobenzene-d5

Concen: 0.25 ng

RT: 9.36 min Scan# 628

Delta R.T. 0.02 min

Lab File: BE092700.D

Acq: 31 Jan 2017 23:22

Instrument :

BNA_E

ClientSampleId :

SB-01A

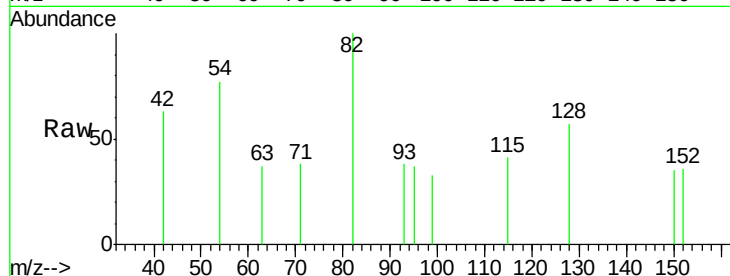
Tgt Ion: 82 Resp: 908

Ion Ratio Lower Upper

82 100

128 56.7 39.0 58.4

54 76.7 44.8 67.2#

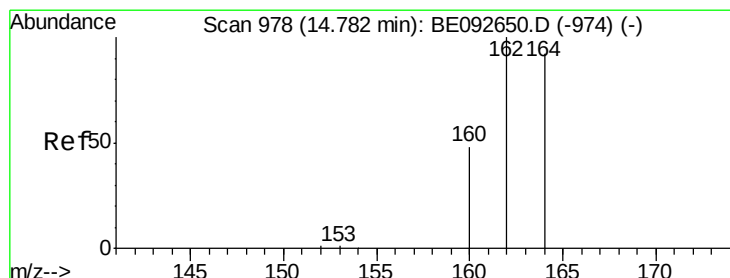
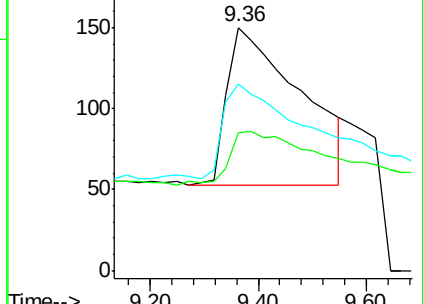
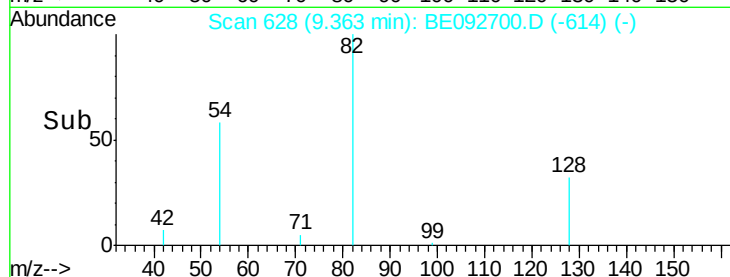


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): BE0

Ion 54.00 (53.70 to 54.70): BE0

Time-->



#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.78 min Scan# 978

Delta R.T. 0.00 min

Lab File: BE092700.D

Acq: 31 Jan 2017 23:22

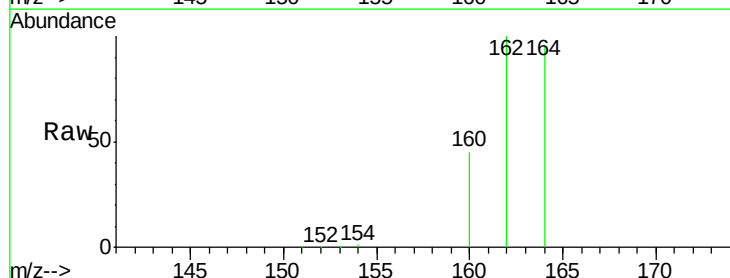
Tgt Ion: 164 Resp: 37757

Ion Ratio Lower Upper

164 100

162 104.8 71.4 107.0

160 47.0 27.4 41.2#

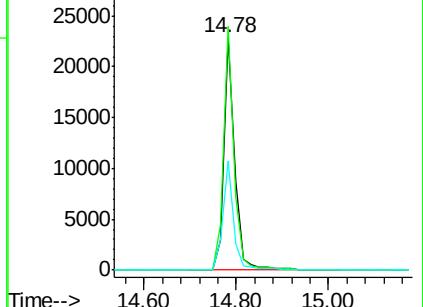
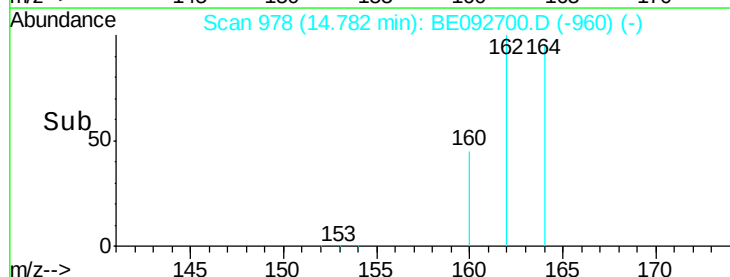


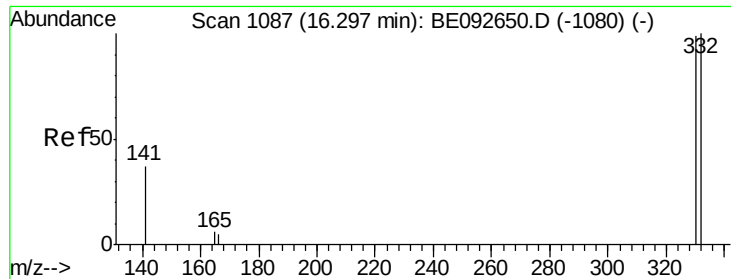
Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

Time-->

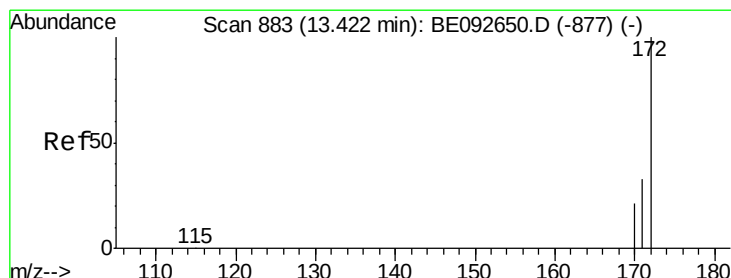
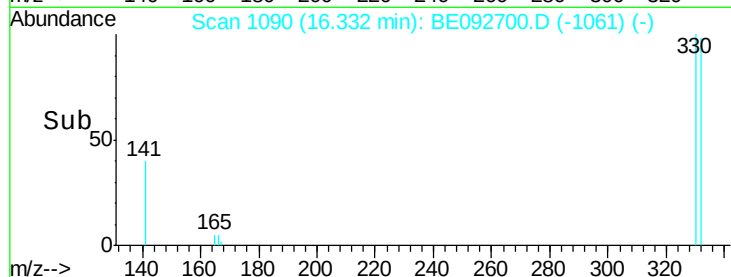
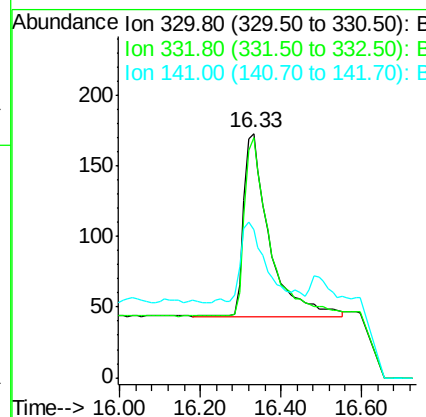
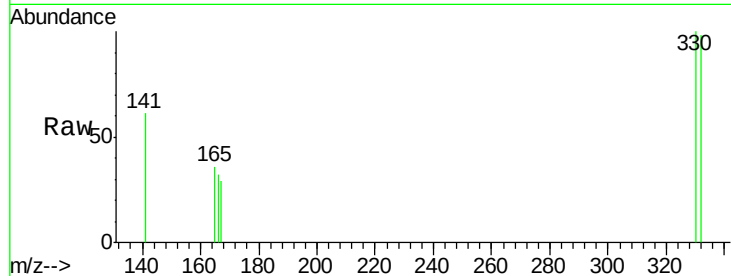




#13
 2,4,6-Tribromophenol
 Concen: 0.64 ng
 RT: 16.33 min Scan# 1090
 Delta R.T. 0.04 min
 Lab File: BE092700.D
 Acq: 31 Jan 2017 23:22

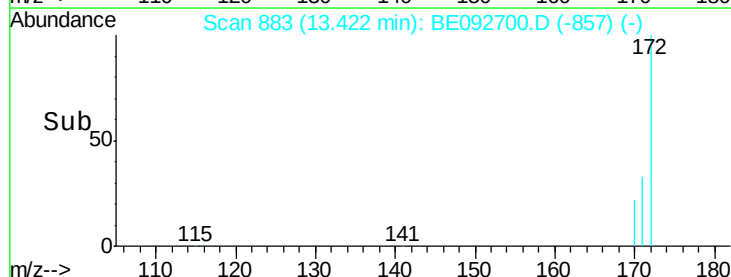
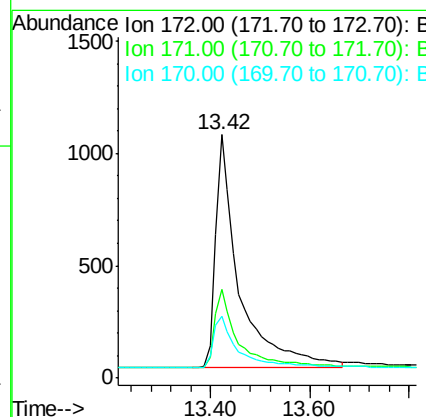
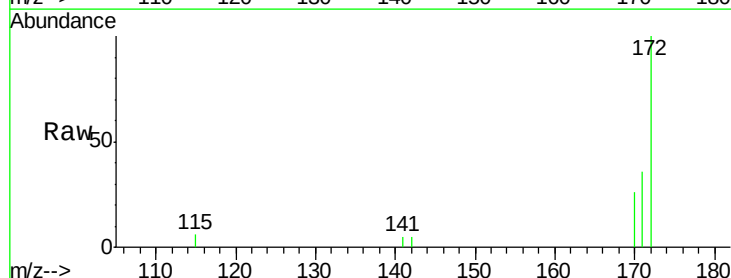
Instrument :
 BNA_E
 ClientSampleId :
 SB-01A

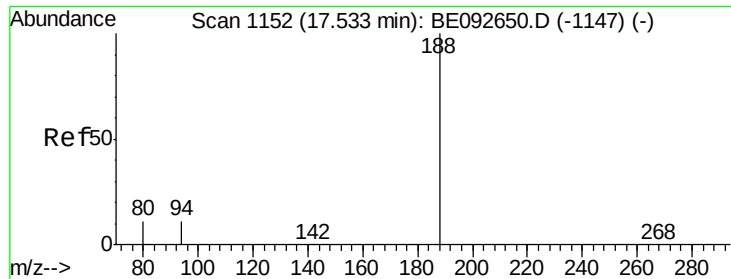
Tgt Ion: 330 Resp: 583
 Ion Ratio Lower Upper
 330 100
 332 96.9 75.4 113.0
 141 41.9 31.0 46.6



#14
 2-Fluorobiphenyl
 Concen: 0.37 ng
 RT: 13.42 min Scan# 883
 Delta R.T. 0.00 min
 Lab File: BE092700.D
 Acq: 31 Jan 2017 23:22

Tgt Ion: 172 Resp: 3455
 Ion Ratio Lower Upper
 172 100
 171 36.2 30.1 45.1
 170 25.6 21.8 32.6

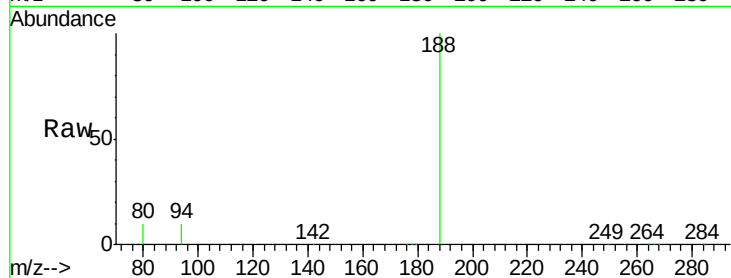




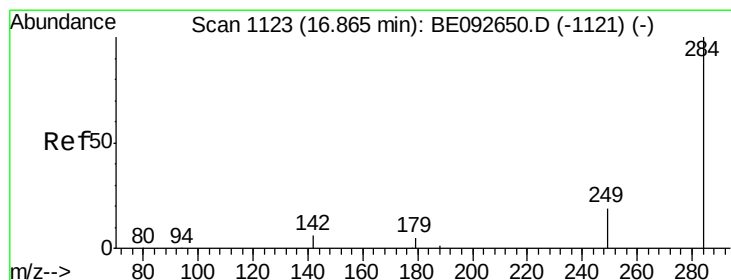
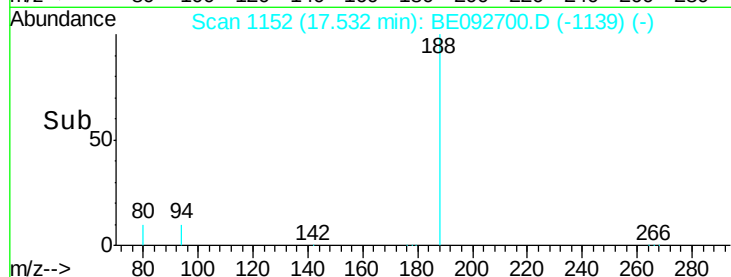
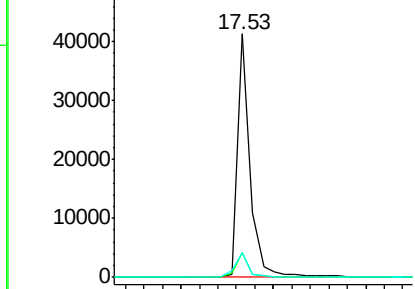
#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.53 min Scan# 1152
Delta R.T. -0.00 min
Lab File: BE092700.D
Acq: 31 Jan 2017 23:22

Instrument :
BNA_E
ClientSampled :
SB-01A

Tgt Ion:188 Resp: 78840
Ion Ratio Lower Upper
188 100
94 10.0 3.2 4.8#
80 10.0 2.6 3.8#

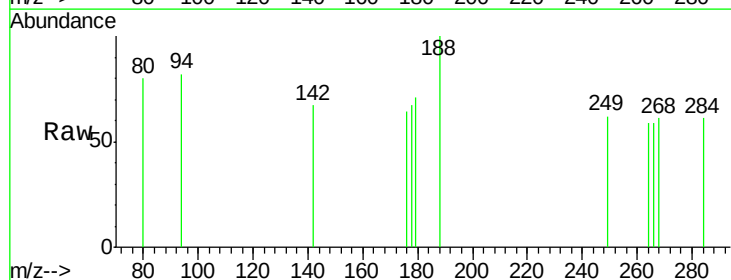


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BE
Ion 80.00 (79.70 to 80.70): BE

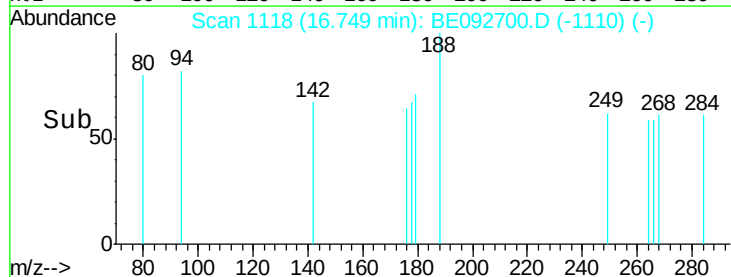
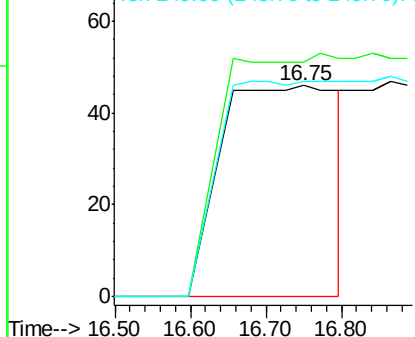


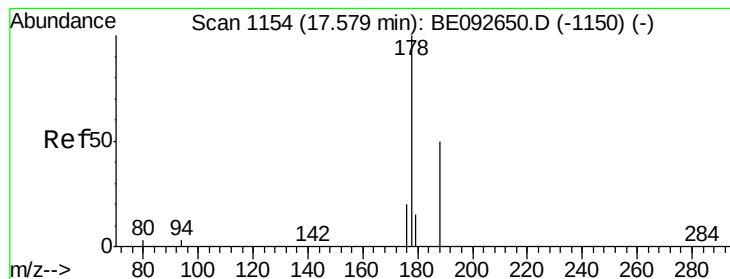
#19
Hexachlorobenzene
Concen: 0.12 ng
RT: 16.75 min Scan# 1118
Delta R.T. -0.12 min
Lab File: BE092700.D
Acq: 31 Jan 2017 23:22

Tgt Ion:284 Resp: 535
Ion Ratio Lower Upper
284 100
142 0.0 29.1 43.7#
249 0.0 27.9 41.9#



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

Phenanthrene

Concen: 0.03 ng

RT: 17.58 min Scan# 1154

Delta R.T. -0.00 min

Lab File: BE092700.D

Acq: 31 Jan 2017 23:22

Instrument :

BNA_E

ClientSampleId :

SB-01A

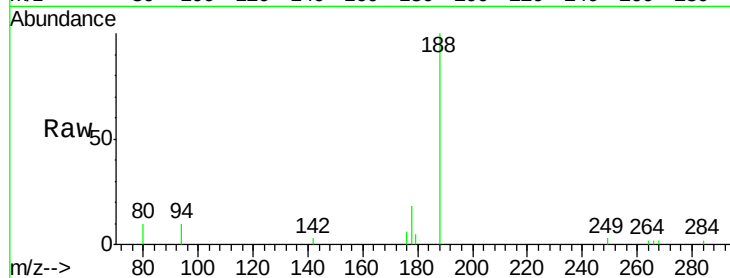
Tgt Ion:178 Resp: 567

Ion Ratio Lower Upper

178 100

176 20.3 15.8 23.8

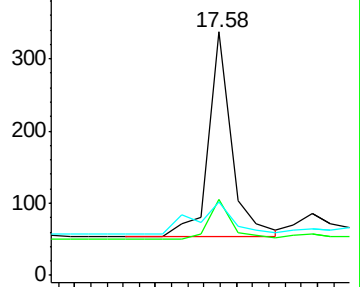
179 26.3 16.0 24.0#



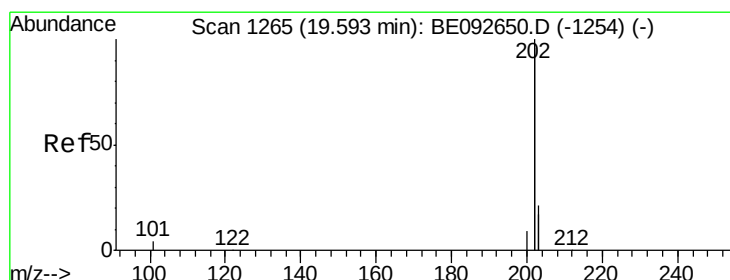
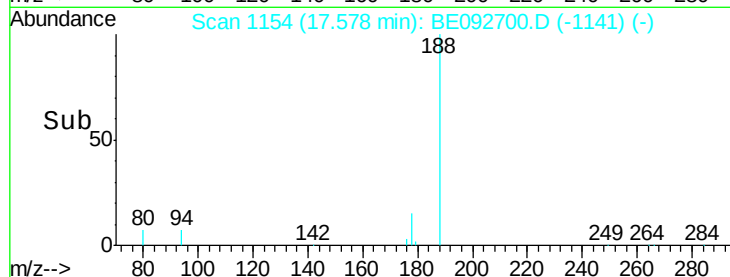
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#23

Fluoranthene

Concen: 0.04 ng

RT: 19.58 min Scan# 1264

Delta R.T. -0.02 min

Lab File: BE092700.D

Acq: 31 Jan 2017 23:22

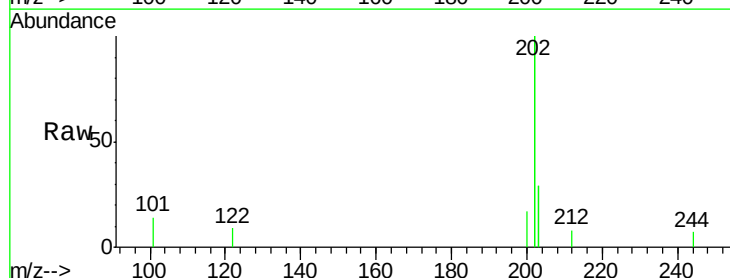
Tgt Ion:202 Resp: 3085

Ion Ratio Lower Upper

202 100

101 2.9 2.2 3.4

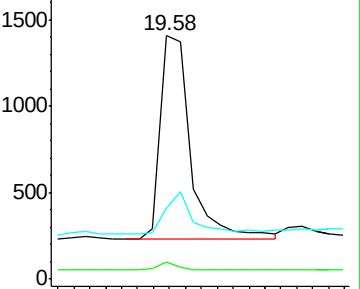
203 19.4 13.7 20.5



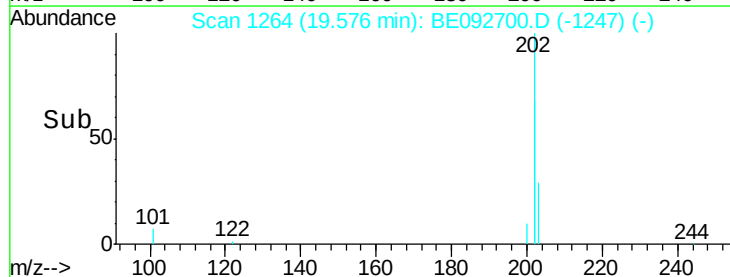
Abundance Ion 202.00 (201.70 to 202.70): E

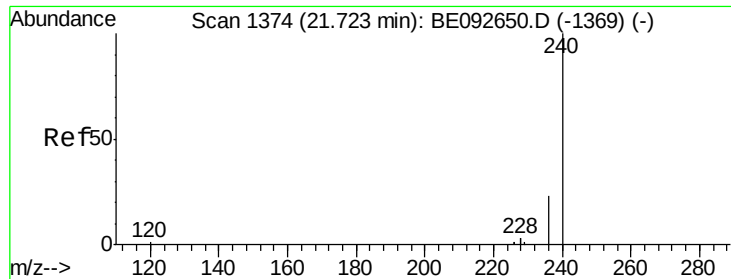
Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->

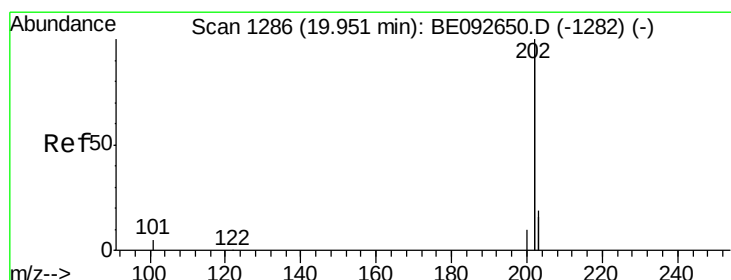
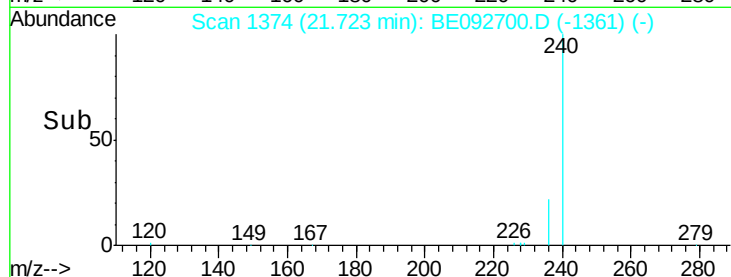
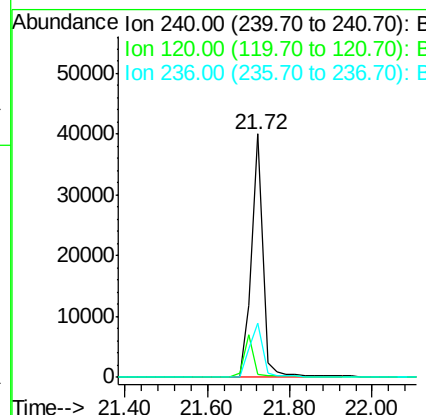
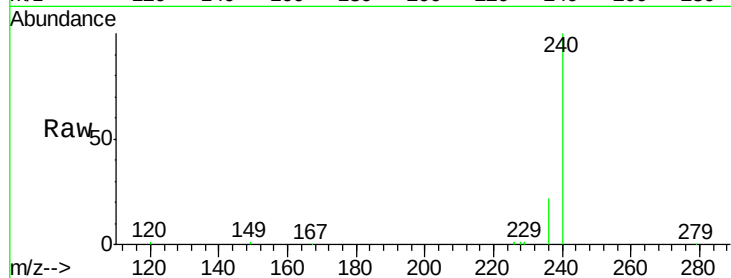




#24
Chrysene-d12
Concen: 5.00 ng
RT: 21.72 min Scan# 1374
Delta R.T. -0.00 min
Lab File: BE092700.D
Acq: 31 Jan 2017 23:22

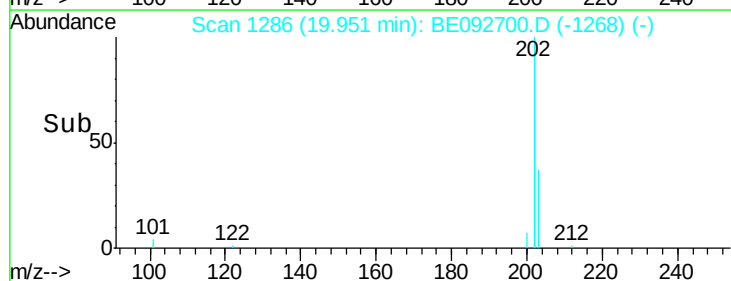
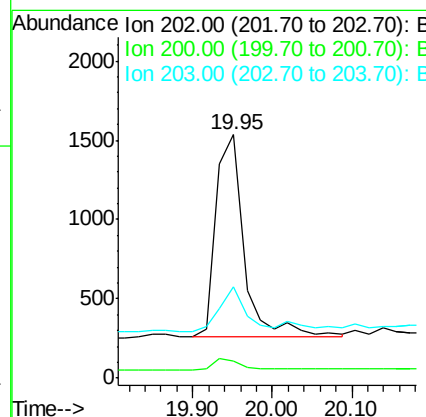
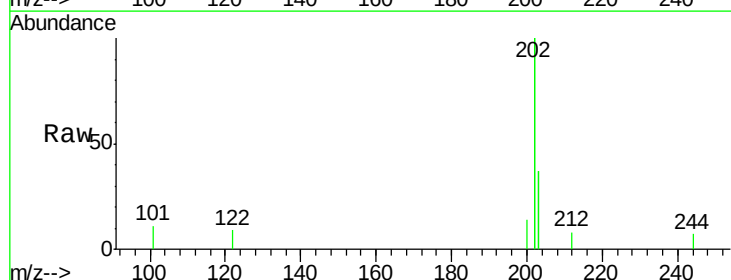
Instrument :
BNA_E
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SB-01A

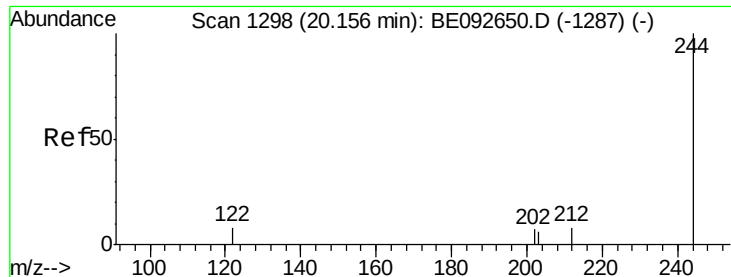
Tgt Ion:240 Resp: 76783
Ion Ratio Lower Upper
240 100
120 1.3 2.6 4.0#
236 22.2 24.6 37.0#



#25
Pyrene
Concen: 0.04 ng
RT: 19.95 min Scan# 1286
Delta R.T. -0.00 min
Lab File: BE092700.D
Acq: 31 Jan 2017 23:22

Tgt Ion:202 Resp: 3145
Ion Ratio Lower Upper
202 100
200 5.2 4.2 6.4
203 20.3 13.9 20.9





#26

Terphenyl-d14

Concen: 0.45 ng

RT: 20.16 min Scan# 1298

Delta R.T. -0.00 min

Lab File: BE092700.D

Acq: 31 Jan 2017 23:22

Instrument :

BNA_E

ClientSampleId :

SB-01A

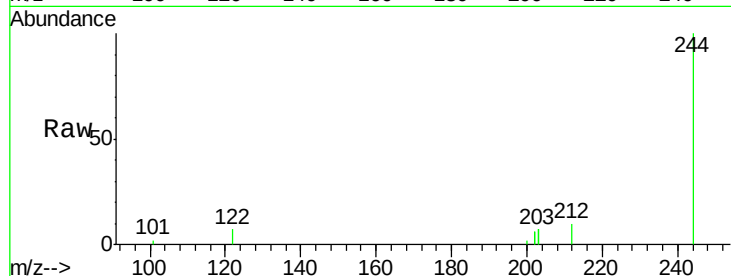
Tgt Ion:244 Resp: 4858

Ion Ratio Lower Upper

244 100

212 9.5 6.7 10.1

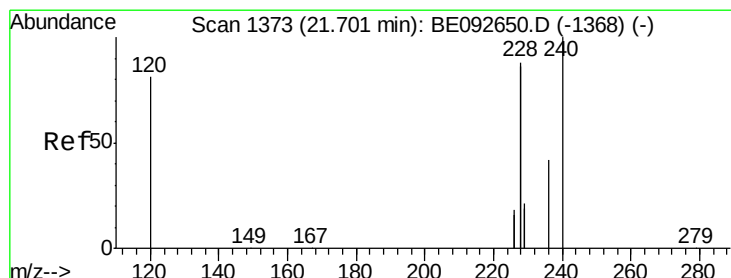
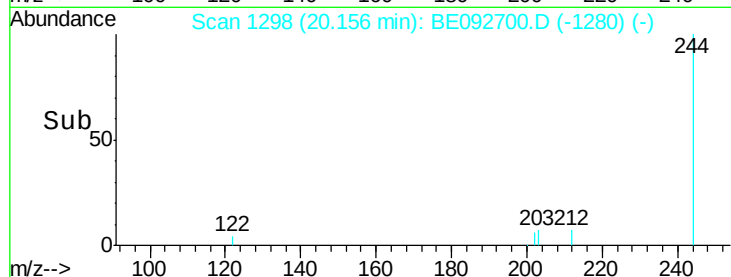
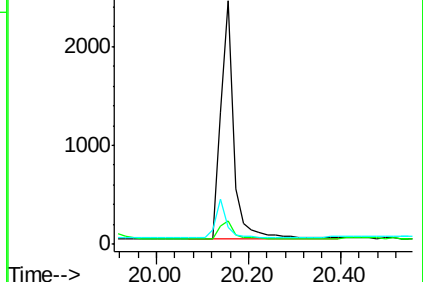
122 6.8 3.6 5.4#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#27

Benzo(a)anthracene

Concen: 0.07 ng

RT: 21.75 min Scan# 1375

Delta R.T. 0.04 min

Lab File: BE092700.D

Acq: 31 Jan 2017 23:22

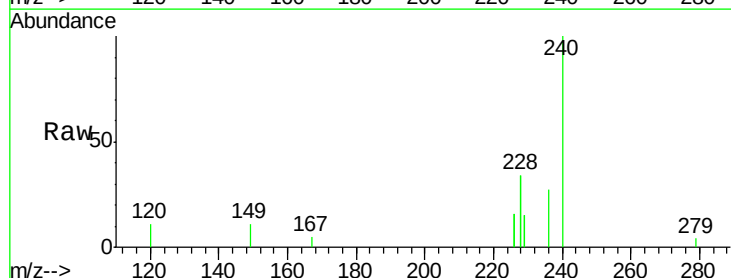
Tgt Ion:228 Resp: 5015

Ion Ratio Lower Upper

228 100

226 46.1 23.6 35.4#

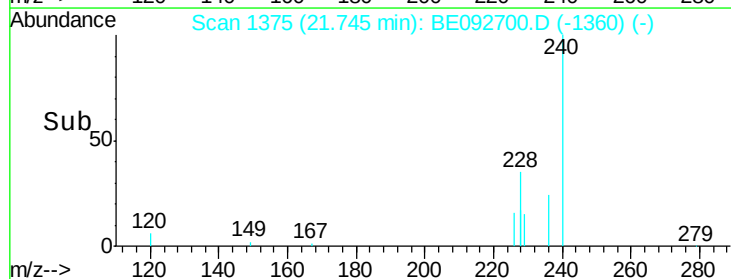
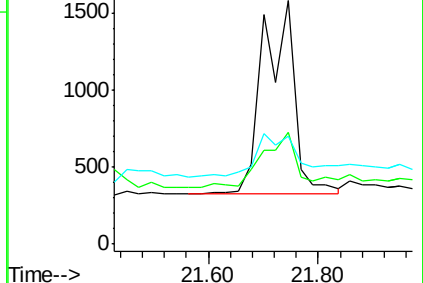
229 44.1 13.3 19.9#

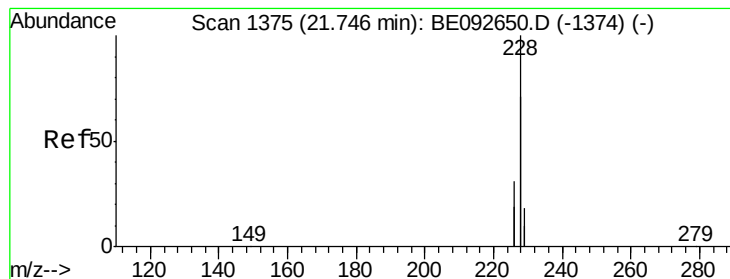


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#28

Chrysene

Concen: 0.06 ng

RT: 21.75 min Scan# 1375

Delta R.T. -0.00 min

Lab File: BE092700.D

Acq: 31 Jan 2017 23:22

Instrument :

BNA_E

ClientSampleId :

SB-01A

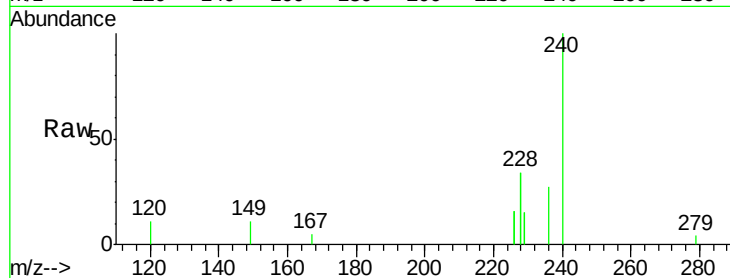
Tgt Ion: 228 Resp: 5015

Ion Ratio Lower Upper

228 100

226 46.1 36.3 54.5

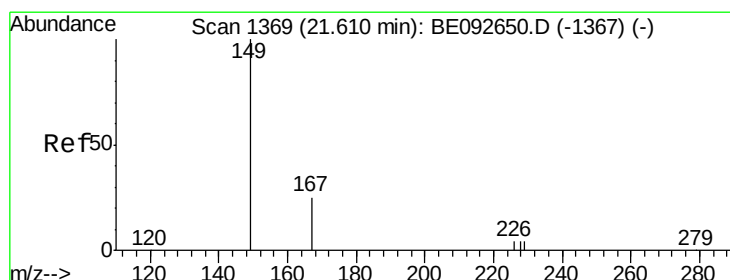
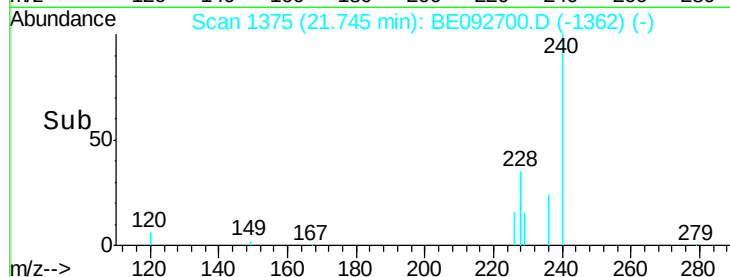
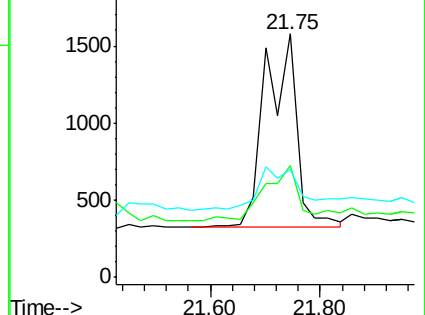
229 44.1 10.6 16.0#



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



#29

Bis(2-ethylhexyl)phthalate

Concen: 0.25 ng

RT: 21.61 min Scan# 1369

Delta R.T. -0.00 min

Lab File: BE092700.D

Acq: 31 Jan 2017 23:22

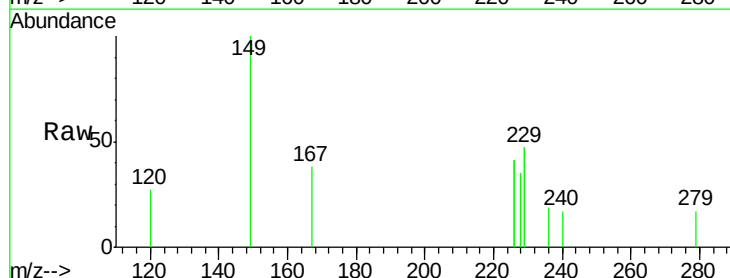
Tgt Ion: 149 Resp: 721

Ion Ratio Lower Upper

149 100

167 24.8 16.0 24.0#

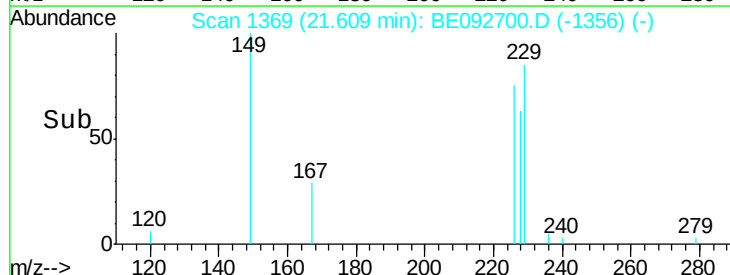
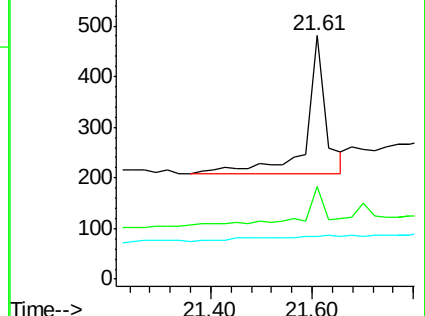
279 0.0 16.0 24.0#

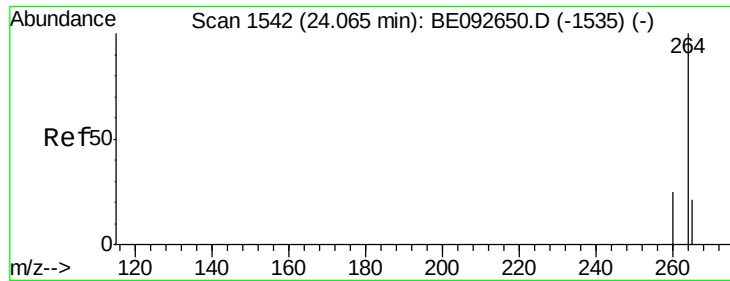


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

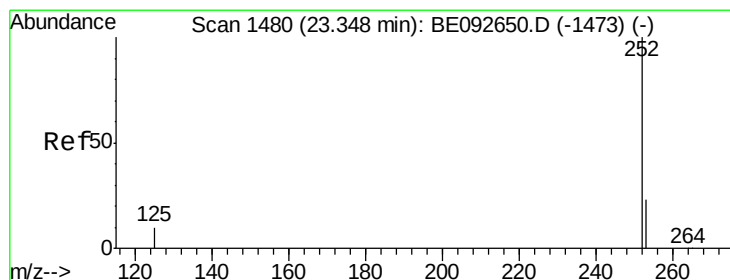
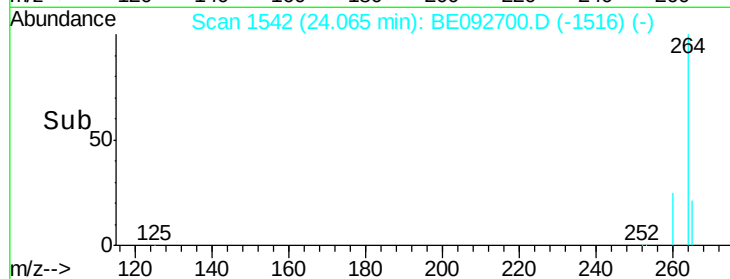
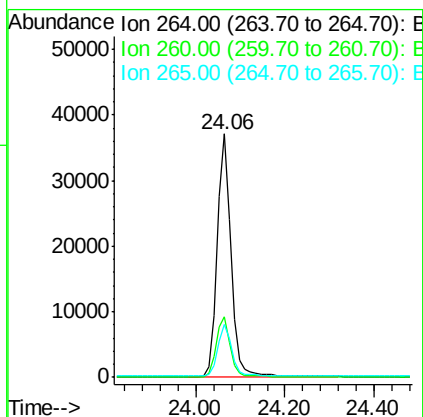
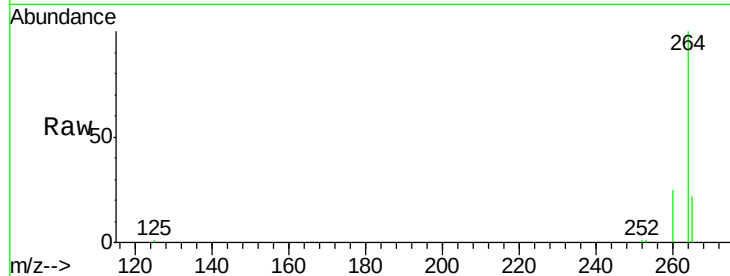




#31
Perylene-d12
 Concen: 5.00 ng
 RT: 24.06 min Scan# 1542
 Delta R.T. -0.00 min
 Lab File: BE092700.D
 Acq: 31 Jan 2017 23:22

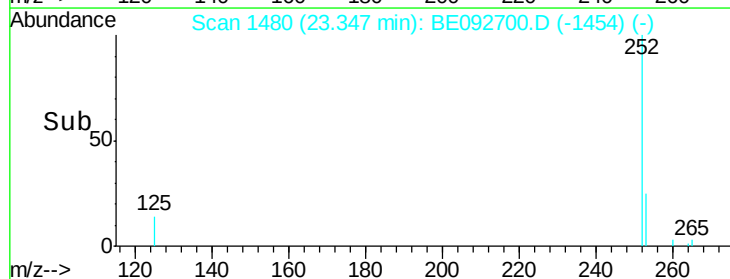
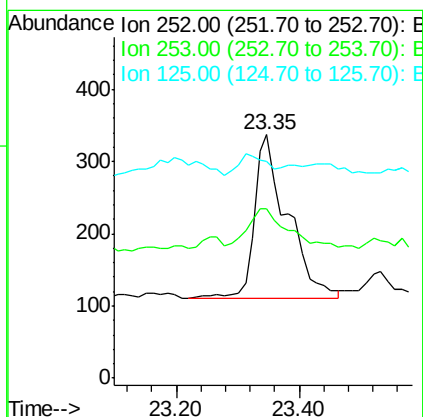
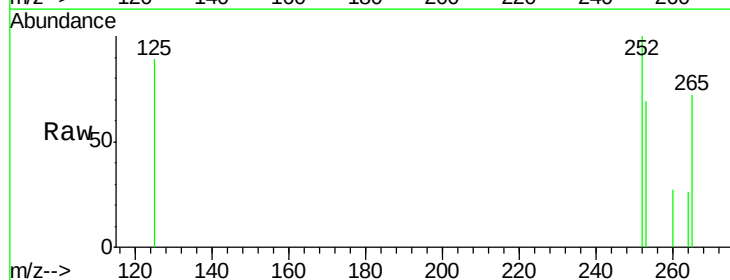
Instrument :
 BNA_E
 ClientSampleId :
 SB-01A

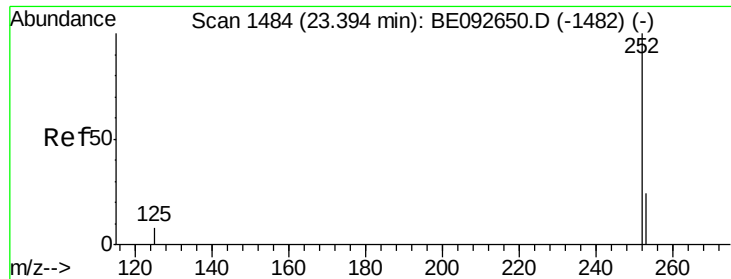
Tgt Ion: 264 Resp: 80509
 Ion Ratio Lower Upper
 264 100
 260 25.1 20.1 30.1
 265 21.9 17.9 26.9



#32
Benzo(b)fluoranthene
 Concen: 0.04 ng
 RT: 23.35 min Scan# 1480
 Delta R.T. -0.00 min
 Lab File: BE092700.D
 Acq: 31 Jan 2017 23:22

Tgt Ion: 252 Resp: 853
 Ion Ratio Lower Upper
 252 100
 253 69.4 18.7 28.1#
 125 89.0 10.5 15.7#





#33

Benzo(k)fluoranthene

Concen: 0.04 ng

RT: 23.35 min Scan# 1480

Delta R.T. -0.05 min

Lab File: BE092700.D

Acq: 31 Jan 2017 23:22

Instrument :

BNA_E

ClientSampleId :

SB-01A

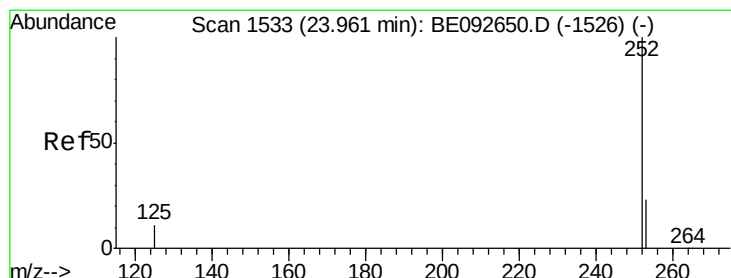
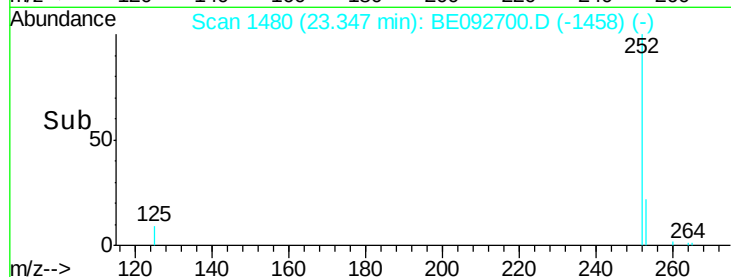
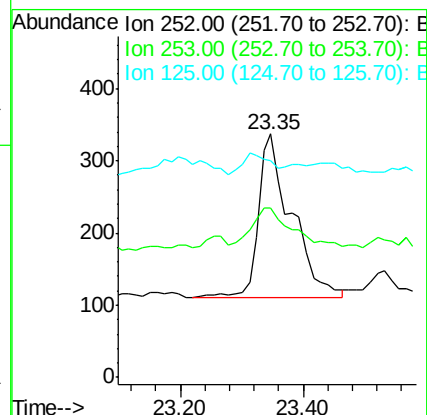
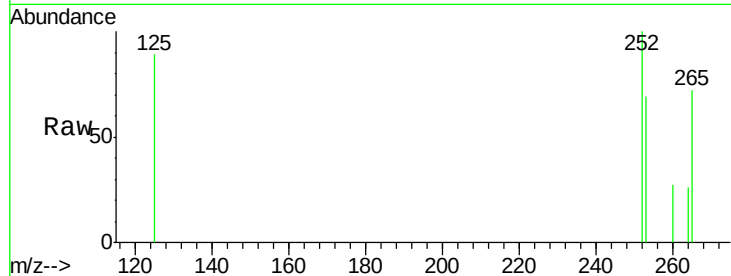
Tgt Ion: 252 Resp: 853

Ion Ratio Lower Upper

252 100

253 69.4 20.3 30.5#

125 89.0 9.6 14.4#



#34

Benzo(a)pyrene

Concen: 0.02 ng

RT: 23.96 min Scan# 1533

Delta R.T. -0.00 min

Lab File: BE092700.D

Acq: 31 Jan 2017 23:22

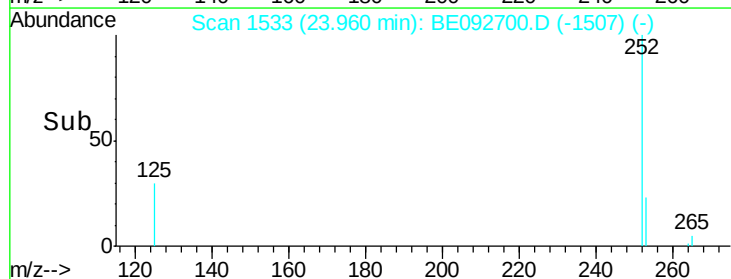
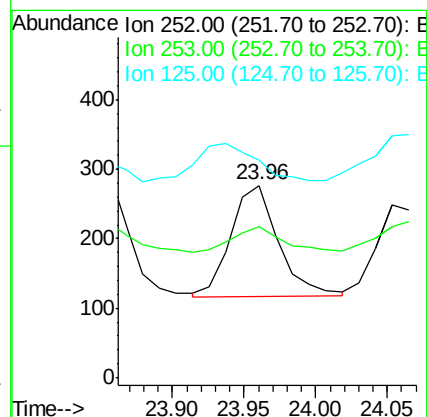
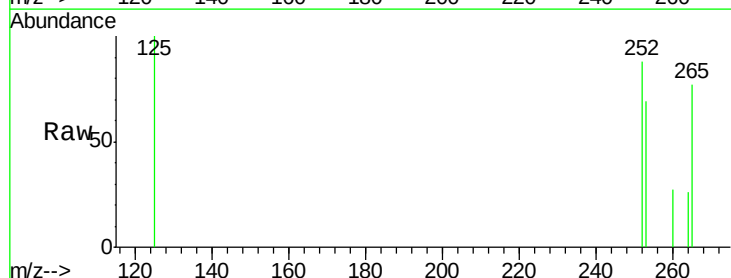
Tgt Ion: 252 Resp: 367

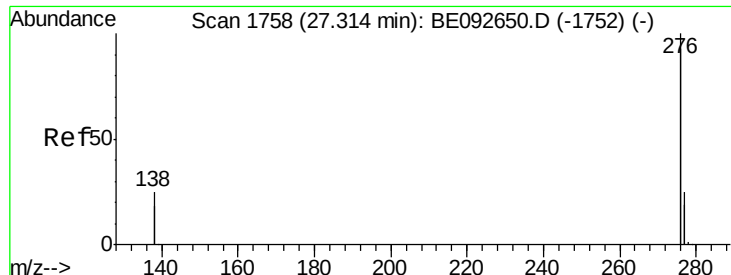
Ion Ratio Lower Upper

252 100

253 78.7 19.0 28.6#

125 113.4 11.8 17.8#





#36

Benzo(g,h,i)perylene

Concen: 0.02 ng

RT: 27.30 min Scan# 1757

Delta R.T. -0.02 min

Lab File: BE092700.D

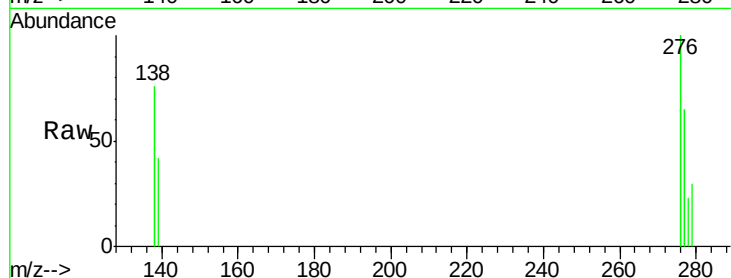
Acq: 31 Jan 2017 23:22

Instrument :

BNA_E

ClientSampleId :

SB-01A



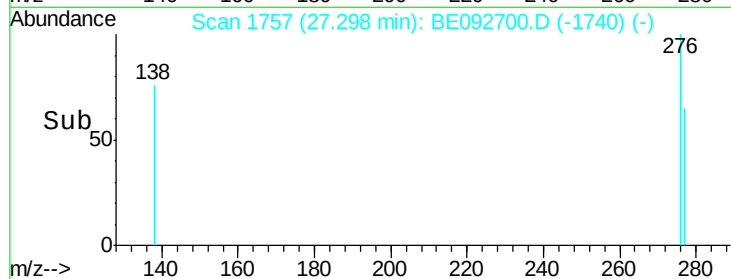
Tgt Ion: 276 Resp: 1536

Ion Ratio Lower Upper

276 100

277 65.5 19.8 29.8#

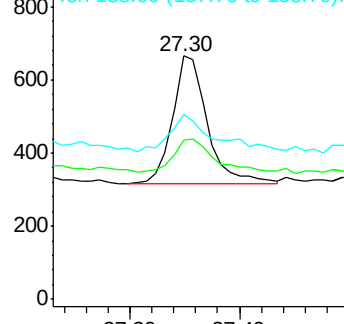
138 75.7 19.8 29.6#



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



Time-->