

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE050917\
 Data File : BE092962.D
 Acq On : 9 May 2017 13:32
 Operator : SJ/MA
 Sample : PB98776BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB98776BS

Quant Time: May 09 17:13:41 2017
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE050517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 09 15:34:16 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.77	152	1057	0.40	ng	0.00
7) Naphthalene-d8	10.53	136	3961	0.40	ng	0.00
13) Acenaphthene-d10	14.39	164	1717	0.40	ng	0.00
19) Phenanthrene-d10	17.13	188	3502	0.40	ng	0.00
26) Chrysene-d12	21.28	240	3839	0.40	ng	0.00
33) Perylene-d12	23.70	264	3436	0.40	ng	0.01

System Monitoring Compounds						
4) 2-Fluorophenol	5.36	112	815	0.35	ng	0.01
5) Phenol-d6	6.94	99	938	0.28	ng	0.00
8) Nitrobenzene-d5	8.90	82	840	0.31	ng	0.00
11) 2-Methylnaphthalene-d10	12.13	152	1711	0.29	ng	0.00
14) 2,4,6-Tribromophenol	15.88	330	92	0.34	ng	0.01
15) 2-Fluorobiphenyl	13.01	172	1976	0.25	ng	0.00
24) Fluoranthene-d10	19.15	212	2306	0.28	ng	0.00
28) Terphenyl-d14	19.74	244	1622	0.24	ng	0.00

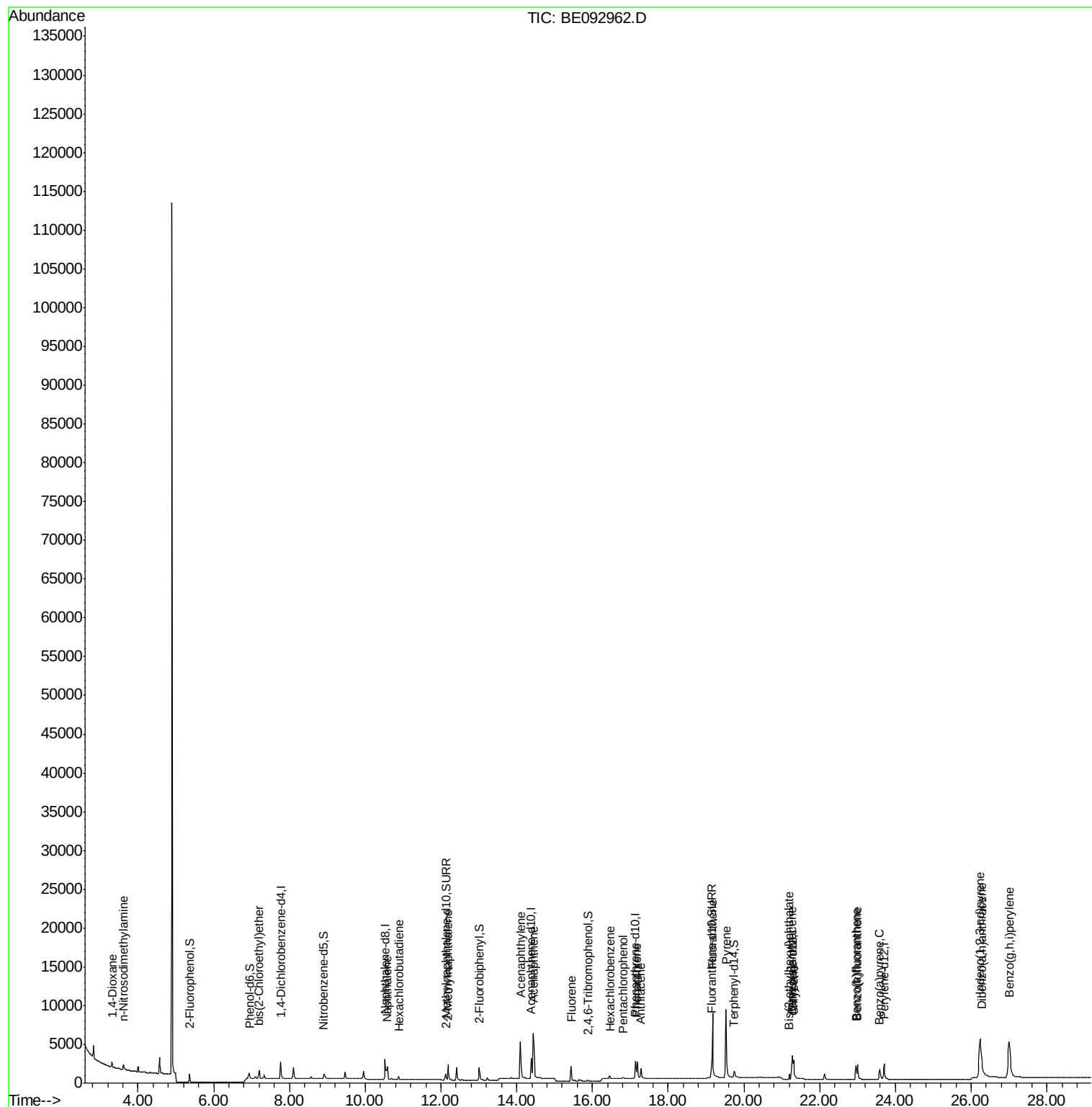
Target Compounds					Qvalue	
2) 1,4-Dioxane	3.32	88	389	0.19	ng	# 78
3) n-Nitrosodimethylamine	3.61	42	457	0.29	ng	# 86
6) bis(2-Chloroethyl)ether	7.20	93	948	0.24	ng	99
9) Naphthalene	10.58	128	2703	0.26	ng	# 89
10) Hexachlorobutadiene	10.89	225	404	0.28	ng	93
12) 2-Methylnaphthalene	12.19	142	1604	0.25	ng	95
16) Acenaphthylene	14.10	152	7405	0.27	ng	99
17) Acenaphthene	14.45	154	1382	0.25	ng	96
18) Fluorene	15.44	166	1590	0.24	ng	100
20) Hexachlorobenzene	16.47	284	449	0.30	ng	# 100
21) Pentachlorophenol	16.81	266	192	0.66	ng	# 83
22) Phenanthrene	17.18	178	2690	0.27	ng	97
23) Anthracene	17.27	178	2083	0.28	ng	98
25) Fluoranthene	19.17	202	11742	0.28	ng	# 95
27) Pyrene	19.53	202	12322	0.25	ng	# 99
29) Benzo(a)anthracene	21.27	228	2256	0.25	ng	# 85
30) Chrysene	21.32	228	3144	0.27	ng	# 86
31) Bis(2-ethylhexyl)phthalate	21.20	149	737	0.30	ng	# 98
32) Indeno(1,2,3-cd)pyrene	26.24	276	13540	0.33	ng	99
34) Benzo(b)fluoranthene	22.96	252	3083	0.27	ng	# 88
35) Benzo(k)fluoranthene	23.01	252	3031	0.27	ng	# 83
36) Benzo(a)pyrene	23.58	252	2540	0.28	ng	# 79
37) Dibenzo(a,h)anthracene	26.27	278	2648	0.26	ng	# 83
38) Benzo(g,h,i)perylene	27.00	276	12716	0.29	ng	# 83

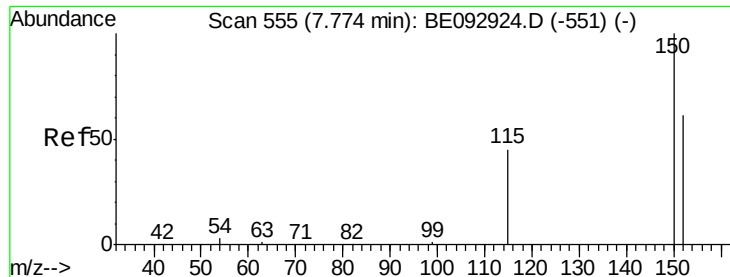
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE092962.D

Acq: 9 May 2017 13:32

Instrument :

BNA_E

ClientSampleId :

PB98776BS

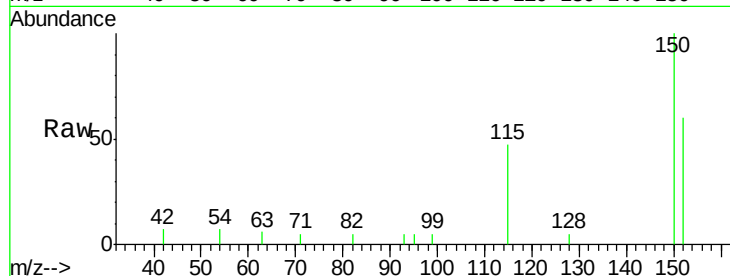
Tgt Ion:152 Resp: 1057

Ion Ratio Lower Upper

152 100

150 166.4 129.9 194.9

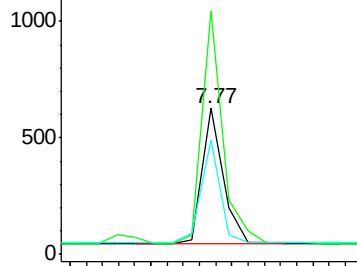
115 78.3 62.6 93.8



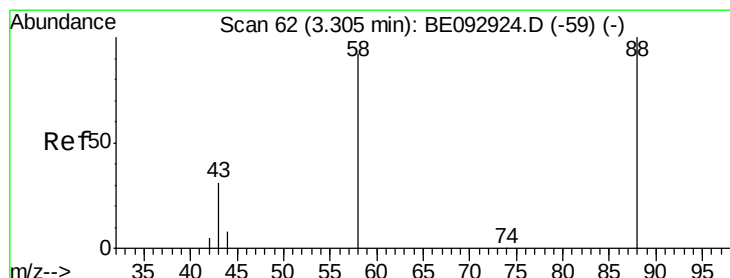
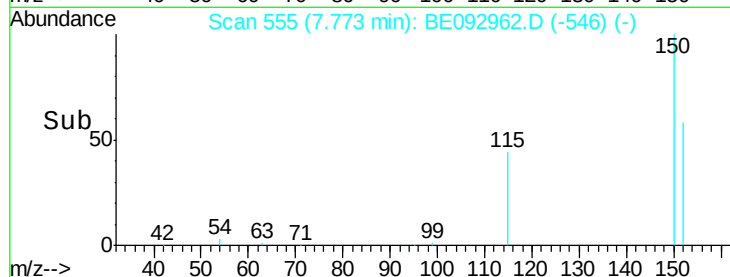
Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



Time--> 7.60 7.70 7.80 7.90



#2

1,4-Dioxane

Concen: 0.19 ng

RT: 3.32 min Scan# 63

Delta R.T. 0.01 min

Lab File: BE092962.D

Acq: 9 May 2017 13:32

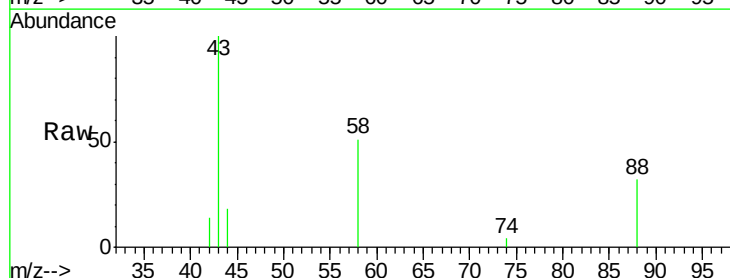
Tgt Ion: 88 Resp: 389

Ion Ratio Lower Upper

88 100

58 92.3 64.9 97.3

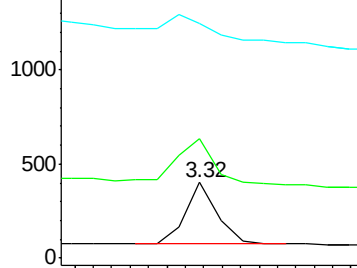
43 59.1 26.6 40.0#



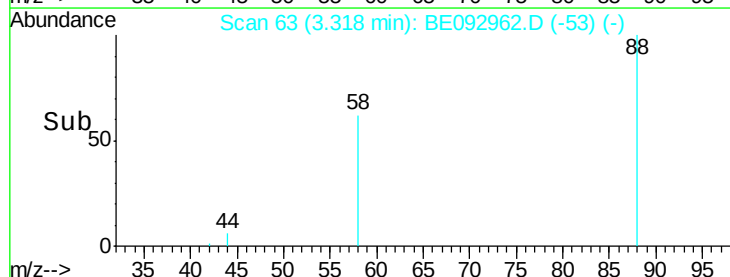
Abundance Ion 88.00 (87.70 to 88.70): BE0

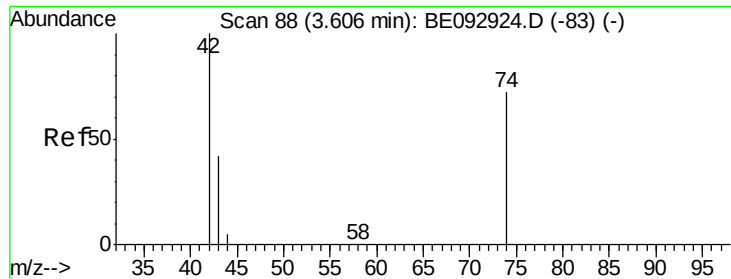
Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0



Time--> 3.25 3.30 3.35





#3

n-Nitrosodimethylamine

Concen: 0.29 ng

RT: 3.61 min Scan# 88

Delta R.T. 0.00 min

Lab File: BE092962.D

Acq: 9 May 2017 13:32

Instrument :

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ClientSampleId :

PB98776BS

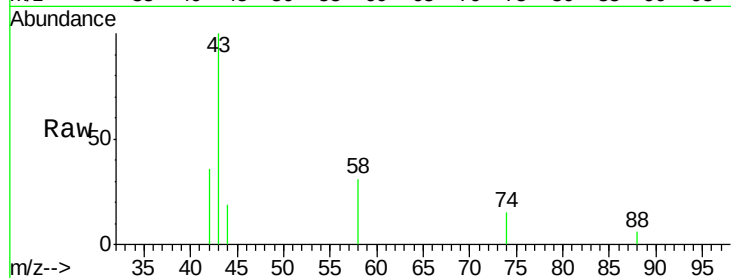
Tgt Ion: 42 Resp: 457

Ion Ratio Lower Upper

42 100

74 123.9 106.6 160.0

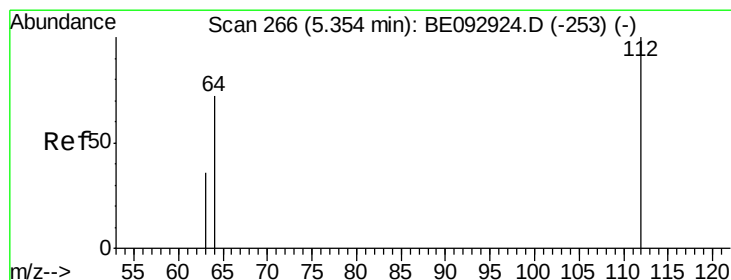
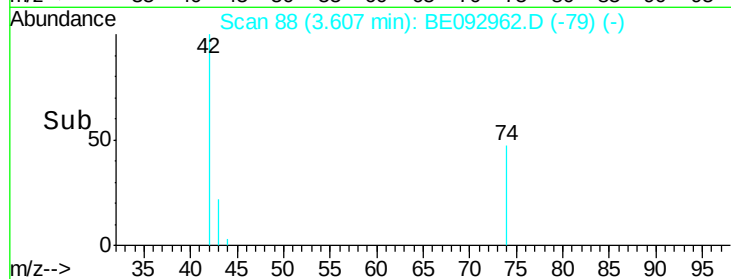
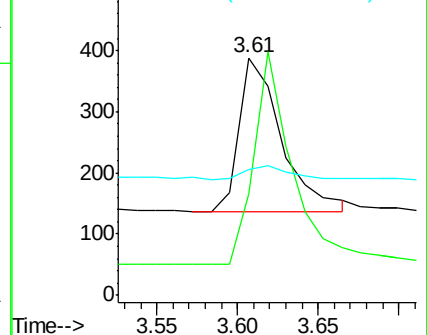
44 9.4 25.7 38.5#



Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0



#4

2-Fluorophenol

Concen: 0.35 ng

RT: 5.36 min Scan# 268

Delta R.T. 0.01 min

Lab File: BE092962.D

Acq: 9 May 2017 13:32

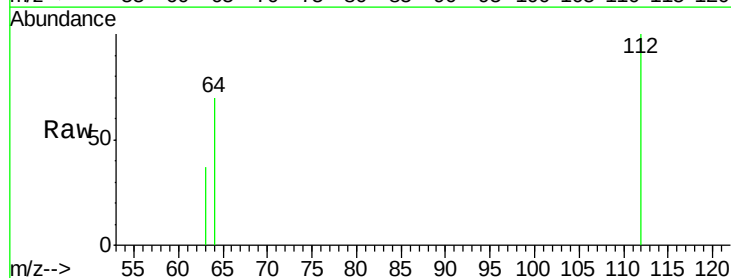
Tgt Ion: 112 Resp: 815

Ion Ratio Lower Upper

112 100

64 71.4 52.6 79.0

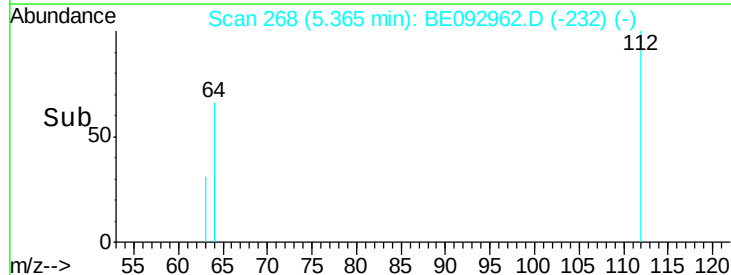
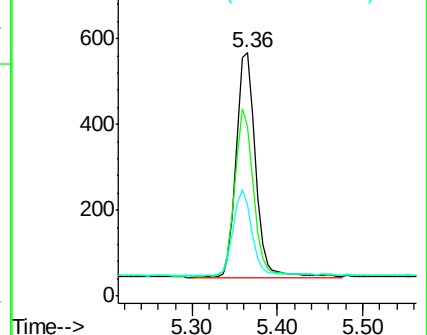
63 36.2 29.0 43.4

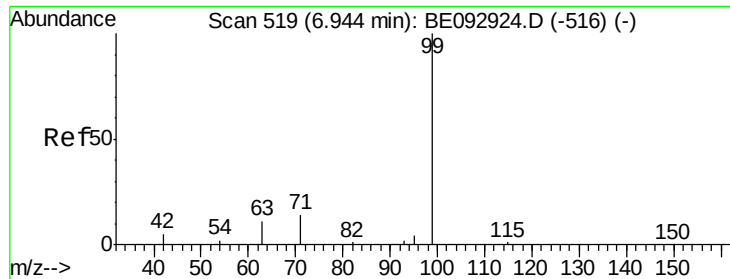


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.28 ng

RT: 6.94 min Scan# 519

Delta R.T. -0.00 min

Lab File: BE092962.D

Acq: 9 May 2017 13:32

Instrument :

BNA_E

ClientSampleId :

PB98776BS

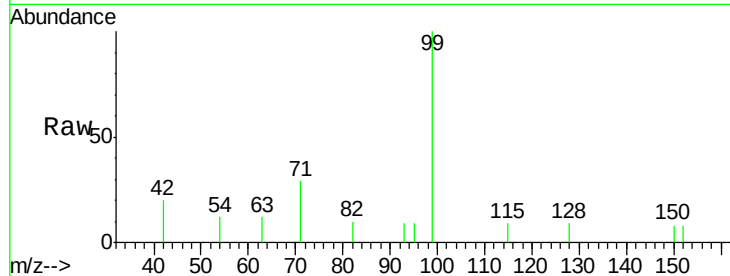
Tgt Ion: 99 Resp: 938

Ion Ratio Lower Upper

99 100

42 0.0 0.0 0.0

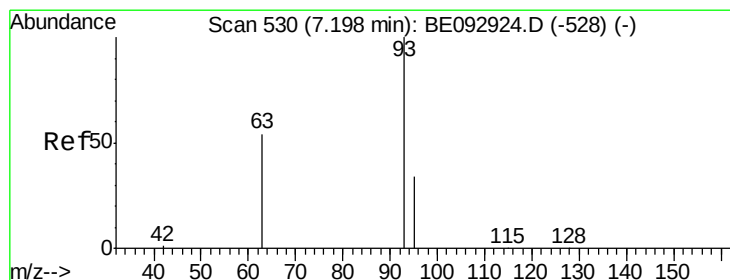
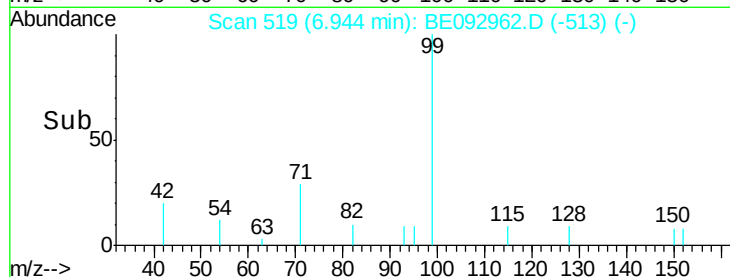
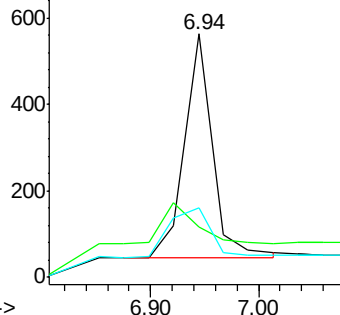
71 34.2 0.0 0.0#



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



#6

bis(2-Chloroethyl)ether

Concen: 0.24 ng

RT: 7.20 min Scan# 530

Delta R.T. -0.00 min

Lab File: BE092962.D

Acq: 9 May 2017 13:32

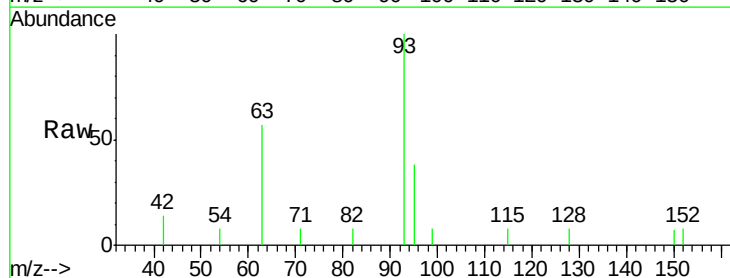
Tgt Ion: 93 Resp: 948

Ion Ratio Lower Upper

93 100

63 76.4 61.2 91.8

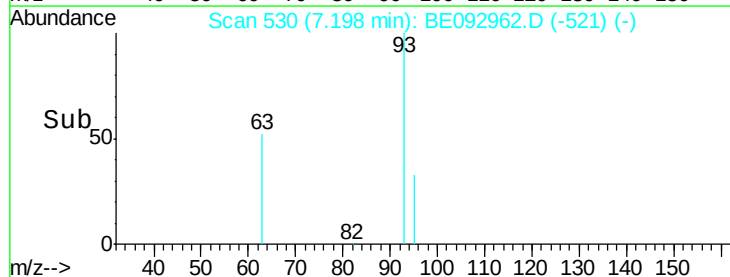
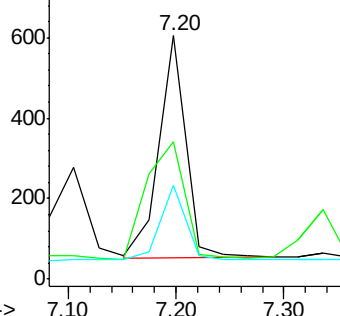
95 33.2 25.5 38.3

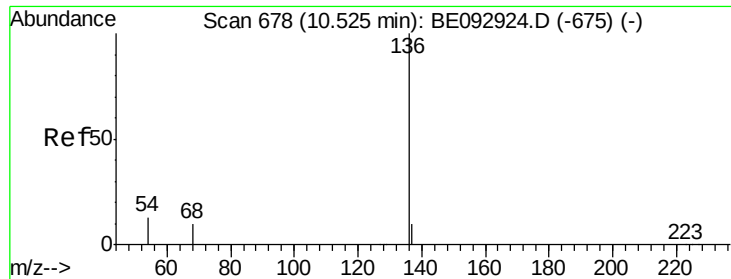


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 0.40 ng

RT: 10.53 min Scan# 678

Delta R.T. 0.00 min

Lab File: BE092962.D

Acq: 9 May 2017 13:32

Instrument :

BNA_E

ClientSampleId :

PB98776BS

Tgt Ion: 136 Resp: 3961

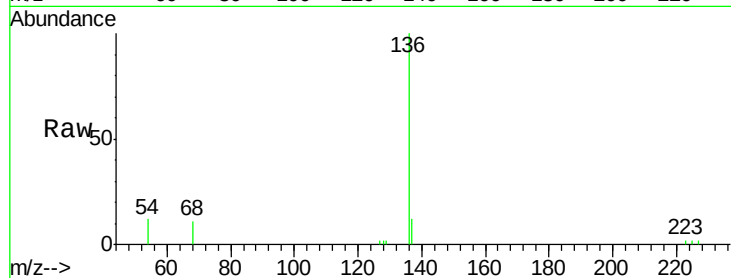
Ion Ratio Lower Upper

136 100

137 12.2 10.4 15.6

54 12.5 12.6 18.8#

68 11.0 10.7 16.1

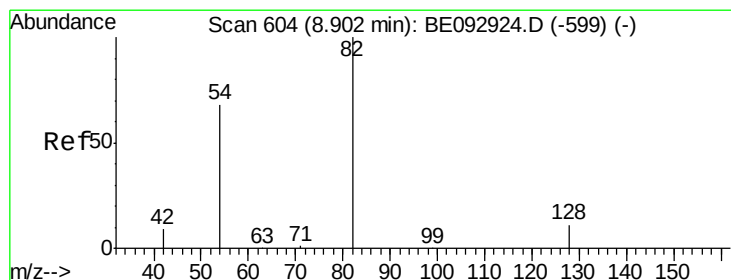
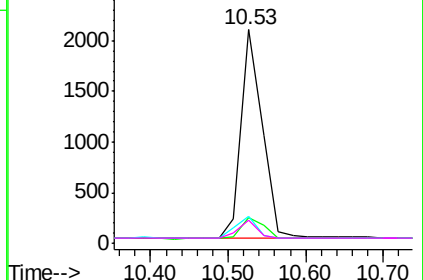
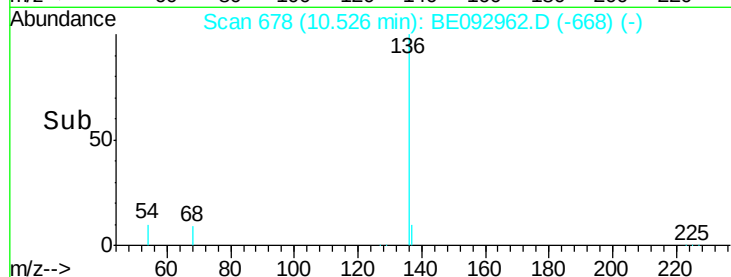


Abundance Ion 136.00 (135.70 to 136.70): E

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



#8

Nitrobenzene-d5

Concen: 0.31 ng

RT: 8.90 min Scan# 604

Delta R.T. -0.00 min

Lab File: BE092962.D

Acq: 9 May 2017 13:32

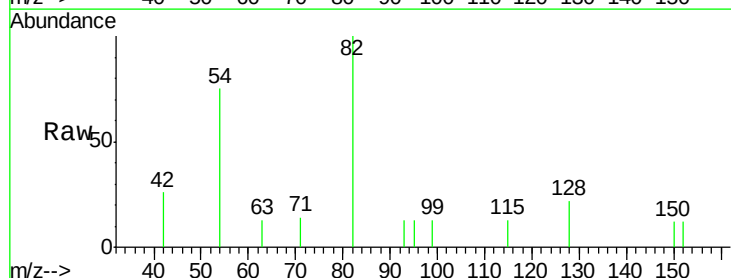
Tgt Ion: 82 Resp: 840

Ion Ratio Lower Upper

82 100

128 22.1 35.3 52.9#

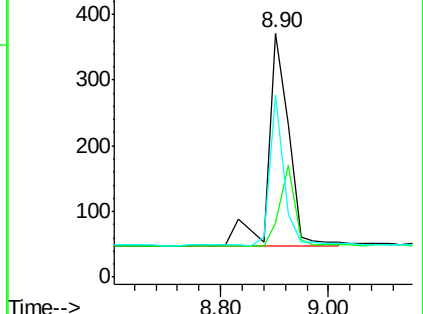
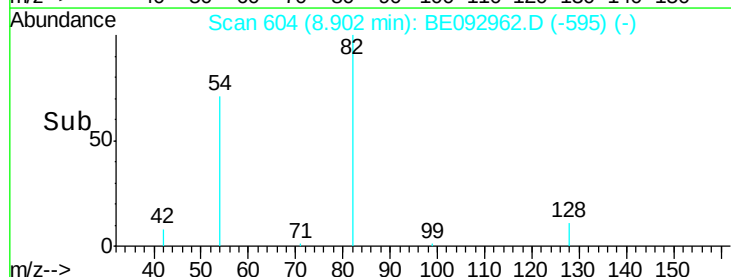
54 74.9 65.1 97.7

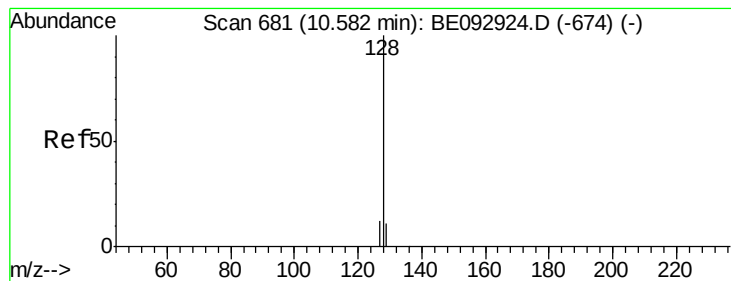


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.26 ng

RT: 10.58 min Scan# 681

Delta R.T. 0.00 min

Lab File: BE092962.D

Acq: 9 May 2017 13:32

Instrument :

BNA_E

ClientSampleId :

PB98776BS

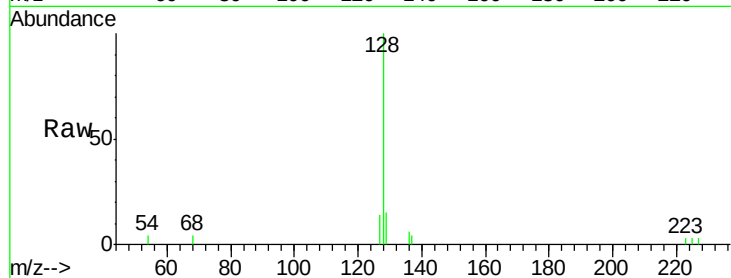
Tgt Ion:128 Resp: 2703

Ion Ratio Lower Upper

128 100

129 15.0 15.8 23.8#

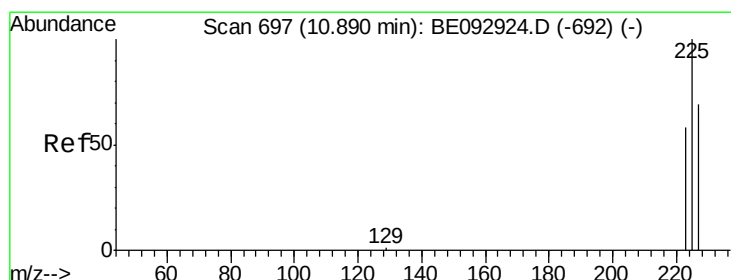
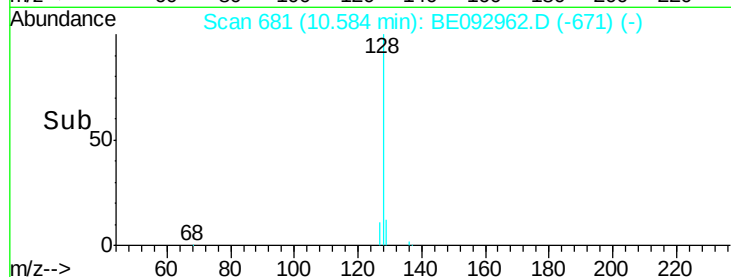
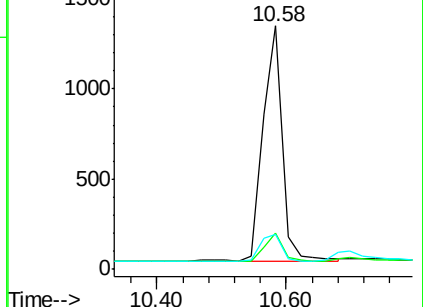
127 14.3 16.0 24.0#



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: 0.28 ng

RT: 10.89 min Scan# 697

Delta R.T. 0.00 min

Lab File: BE092962.D

Acq: 9 May 2017 13:32

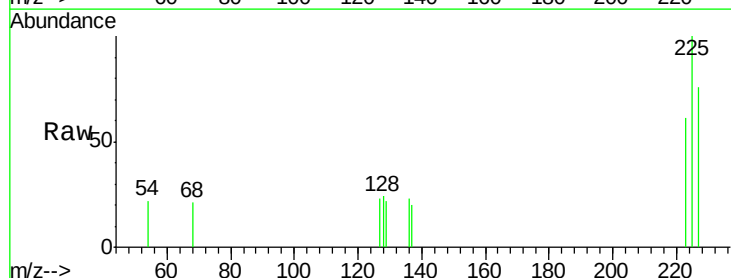
Tgt Ion:225 Resp: 404

Ion Ratio Lower Upper

225 100

223 61.4 55.4 83.2

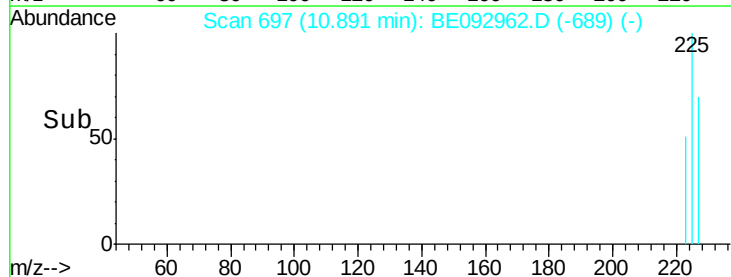
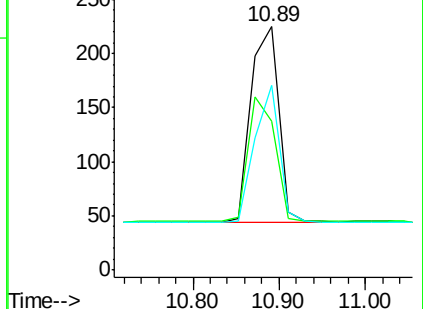
227 61.6 52.2 78.4

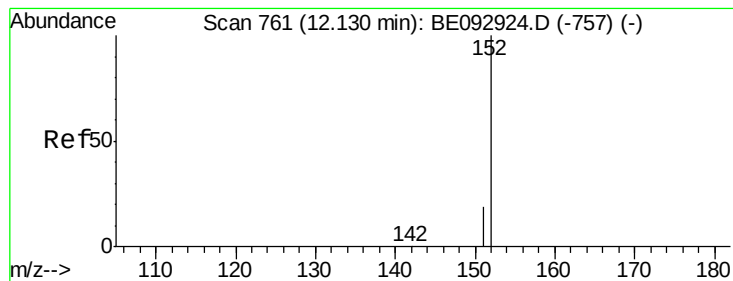


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.29 ng

RT: 12.13 min Scan# 761

Delta R.T. -0.00 min

Lab File: BE092962.D

Acq: 9 May 2017 13:32

Instrument :

BNA_E

ClientSampleId :

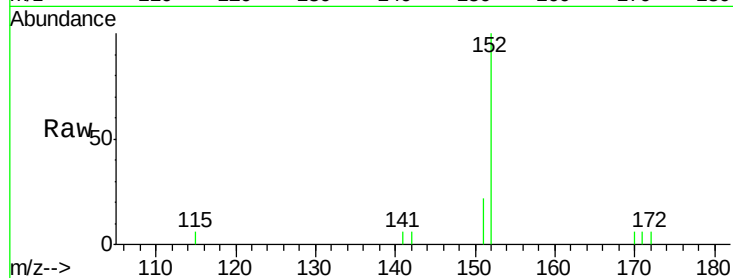
PB98776BS

Tgt Ion:152 Resp: 1711

Ion Ratio Lower Upper

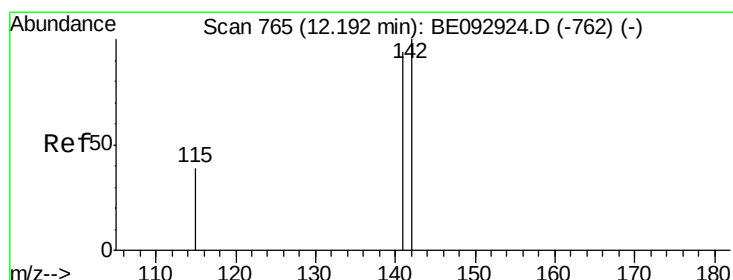
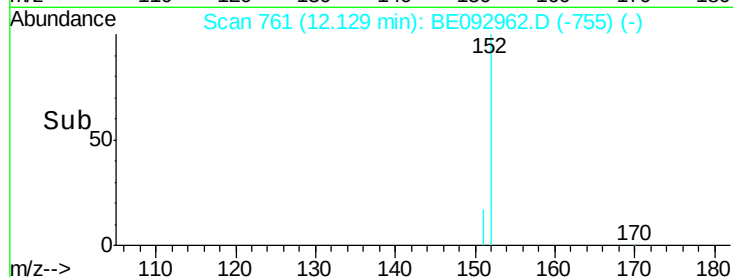
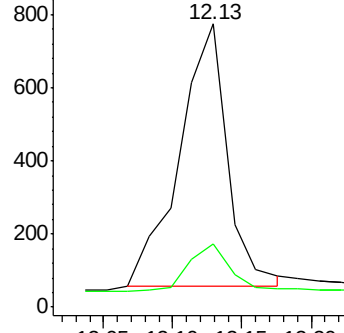
152 100

151 15.2 15.7 23.5#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.25 ng

RT: 12.19 min Scan# 765

Delta R.T. -0.00 min

Lab File: BE092962.D

Acq: 9 May 2017 13:32

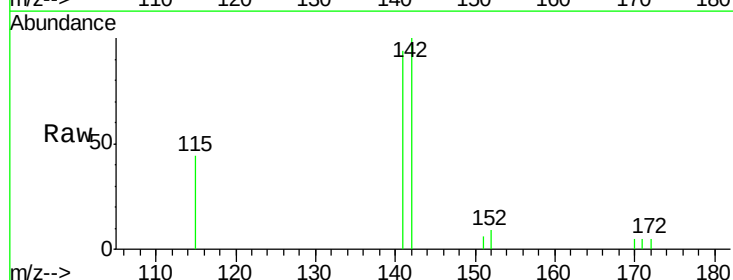
Tgt Ion:142 Resp: 1604

Ion Ratio Lower Upper

142 100

141 93.7 76.0 114.0

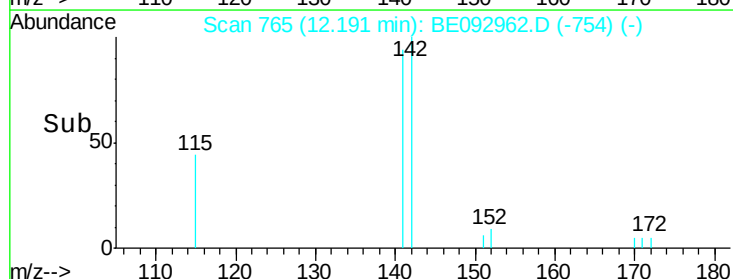
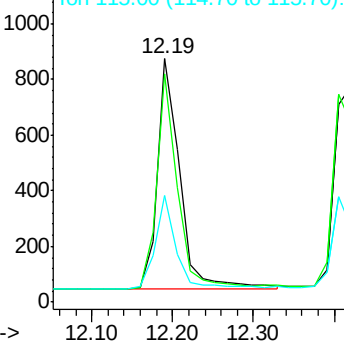
115 43.9 41.6 62.4

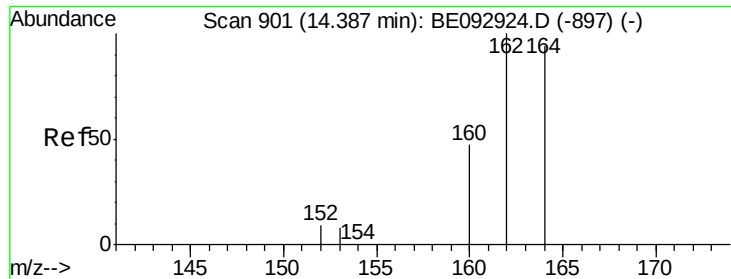


Abundance Ion 142.00 (141.70 to 142.70): E

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

Lab File: BE092962.D

Acq: 9 May 2017 13:32

Instrument :

BNA_E

ClientSampled :

PB98776BS

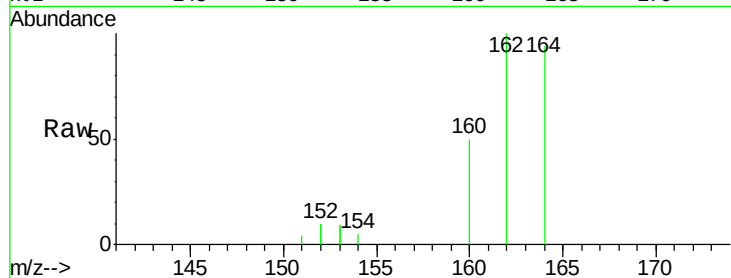
Tgt Ion:164 Resp: 1717

Ion Ratio Lower Upper

164 100

162 106.7 86.6 130.0

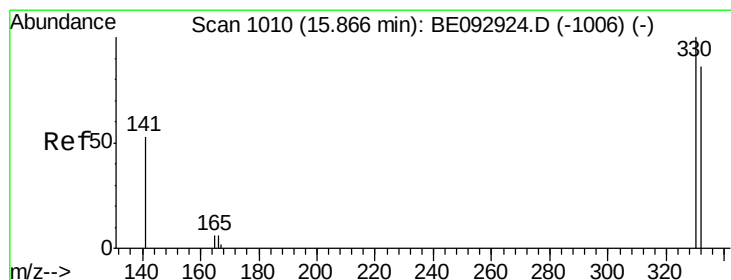
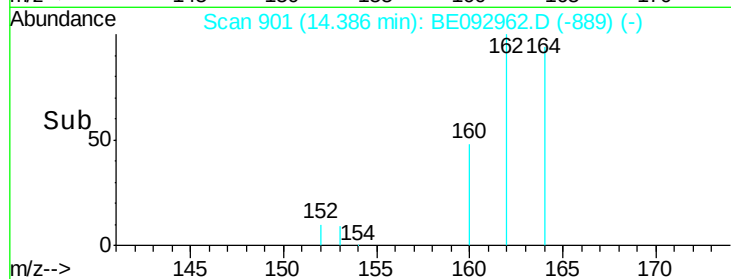
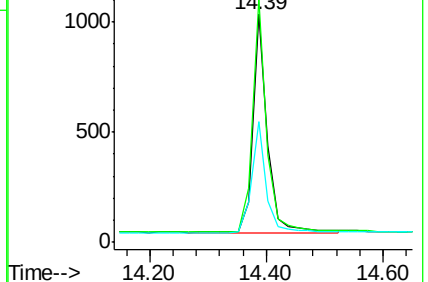
160 53.0 44.5 66.7



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: 0.34 ng

RT: 15.88 min Scan# 1011

Delta R.T. 0.01 min

Lab File: BE092962.D

Acq: 9 May 2017 13:32

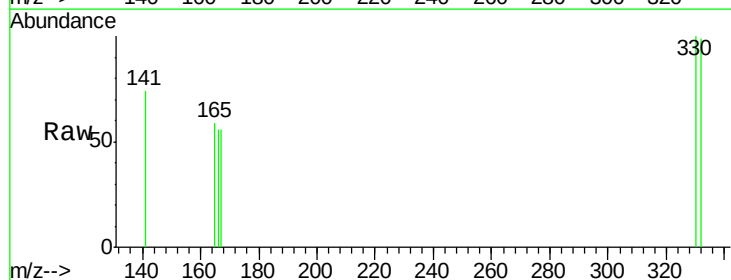
Tgt Ion:330 Resp: 92

Ion Ratio Lower Upper

330 100

332 83.7 69.1 103.7

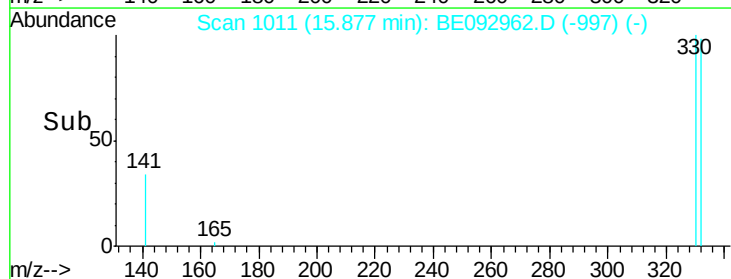
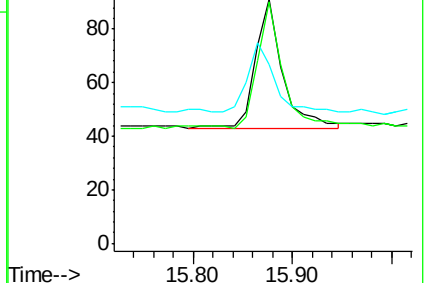
141 52.2 54.6 81.8#

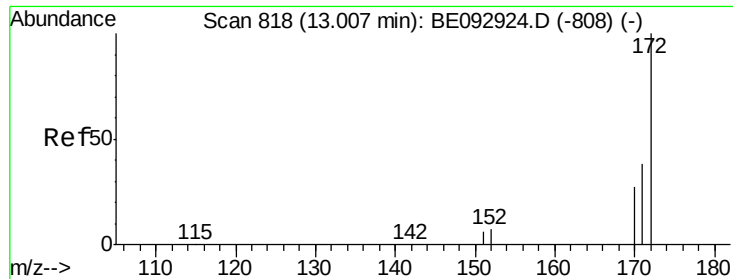


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

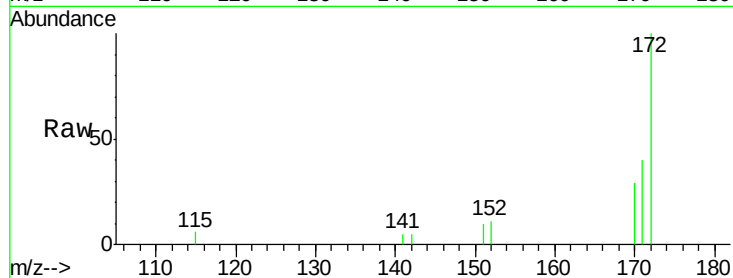




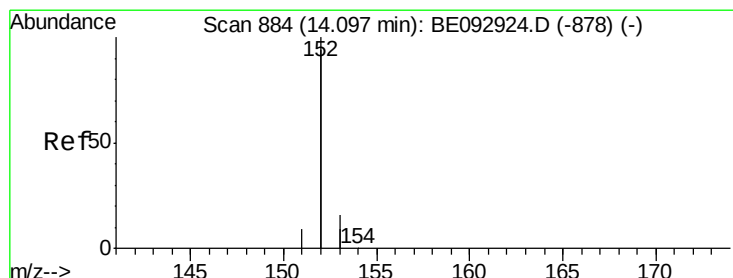
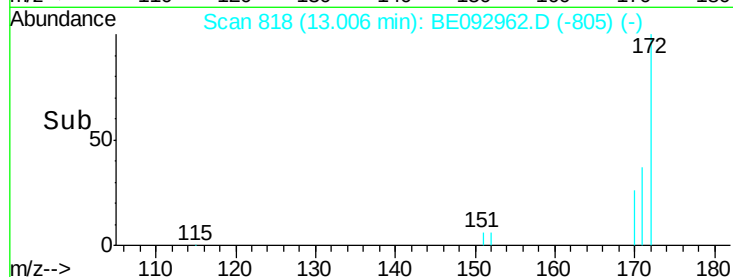
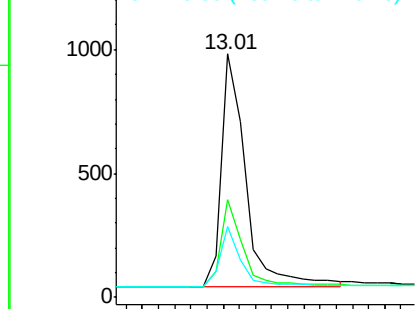
#15
2-Fluorobiphenyl
Concen: 0.25 ng
RT: 13.01 min Scan# 818
Delta R.T. -0.00 min
Lab File: BE092962.D
Acq: 9 May 2017 13:32

Instrument :
BNA_E
ClientSampleId :
PB98776BS

Tgt Ion:172 Resp: 1976
Ion Ratio Lower Upper
172 100
171 40.3 35.8 53.6
170 29.3 28.5 42.7

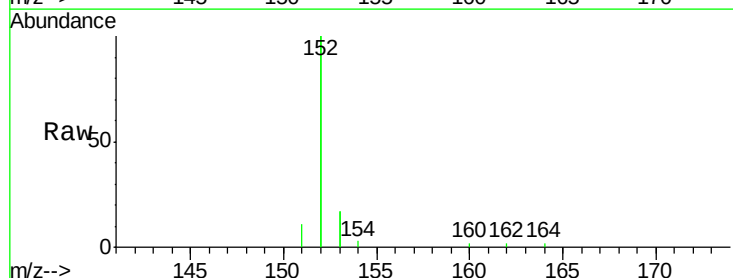


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

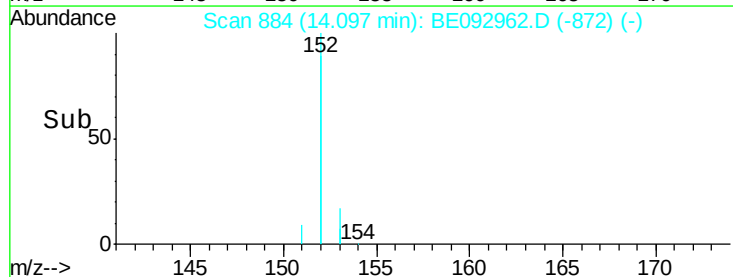
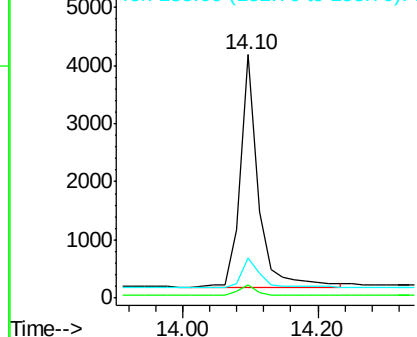


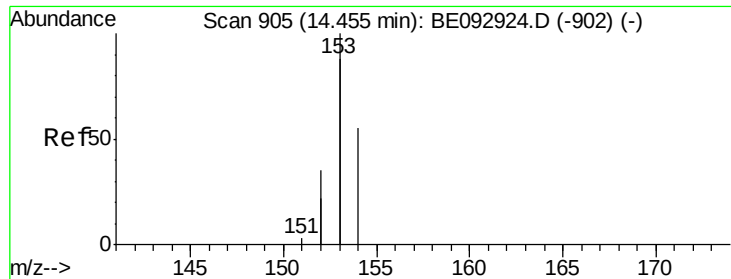
#16
Acenaphthylene
Concen: 0.27 ng
RT: 14.10 min Scan# 884
Delta R.T. -0.00 min
Lab File: BE092962.D
Acq: 9 May 2017 13:32

Tgt Ion:152 Resp: 7405
Ion Ratio Lower Upper
152 100
151 5.0 3.8 5.8
153 13.2 10.0 15.0



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

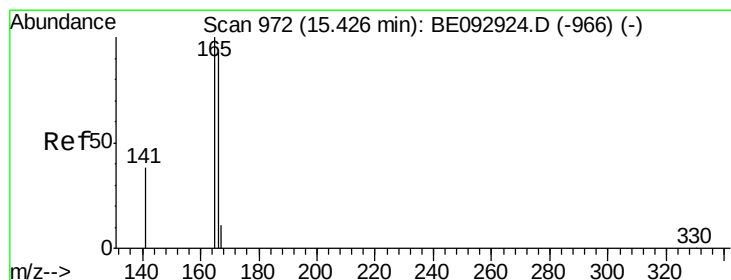
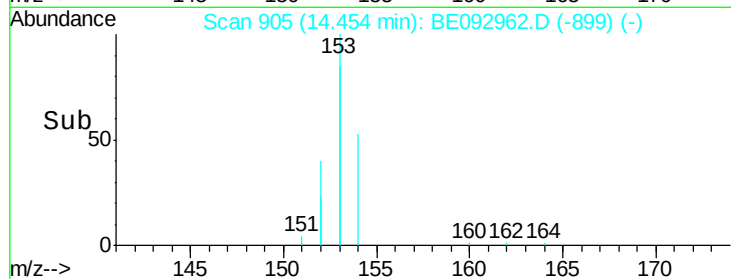
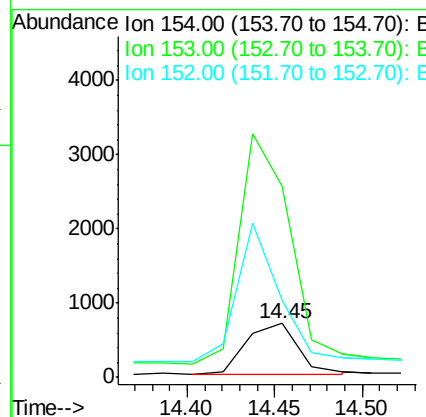
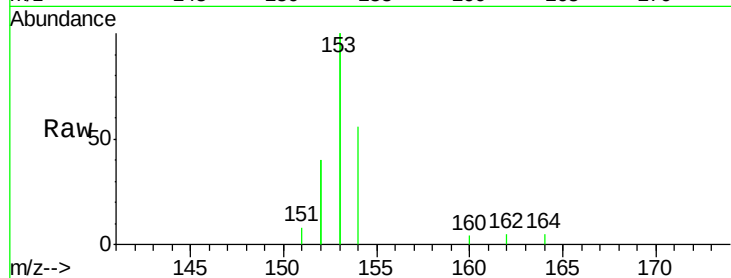




#17
Acenaphthene
Concen: 0.25 ng
RT: 14.45 min Scan# 905
Delta R.T. -0.00 min
Lab File: BE092962.D
Acq: 9 May 2017 13:32

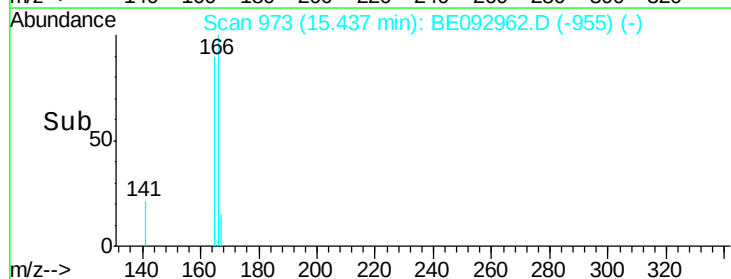
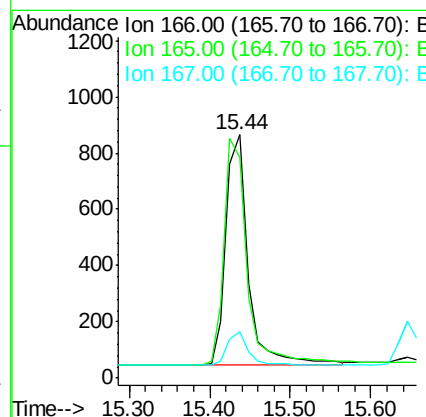
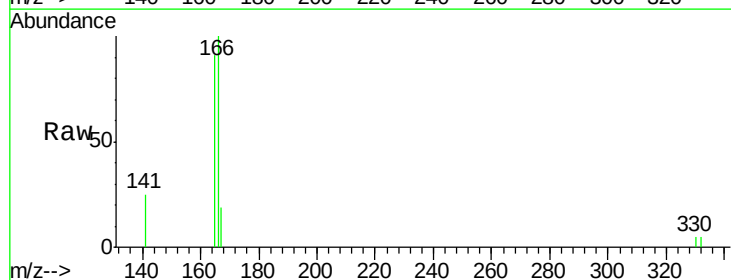
Instrument :
BNA_E
ClientSampleId :
PB98776BS

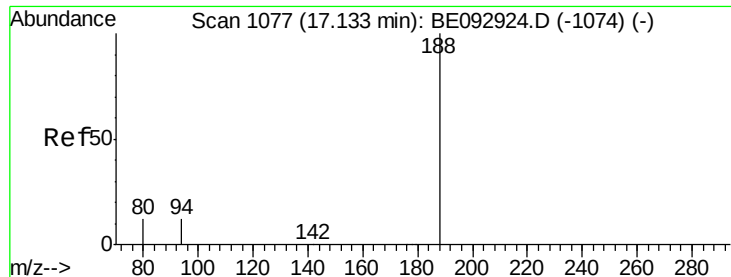
Tgt Ion:154 Resp: 1382
Ion Ratio Lower Upper
154 100
153 453.2 355.6 533.4
152 229.2 177.8 266.8



#18
Fluorene
Concen: 0.24 ng
RT: 15.44 min Scan# 973
Delta R.T. 0.01 min
Lab File: BE092962.D
Acq: 9 May 2017 13:32

Tgt Ion:166 Resp: 1590
Ion Ratio Lower Upper
166 100
165 100.9 80.7 121.1
167 14.5 11.3 16.9





#19

Phenanthrene-d10

Concen: 0.40 ng

RT: 17.13 min Scan# 1078

Delta R.T. 0.00 min

Lab File: BE092962.D

Acq: 9 May 2017 13:32

Instrument :

BNA_E

ClientSampleId :

PB98776BS

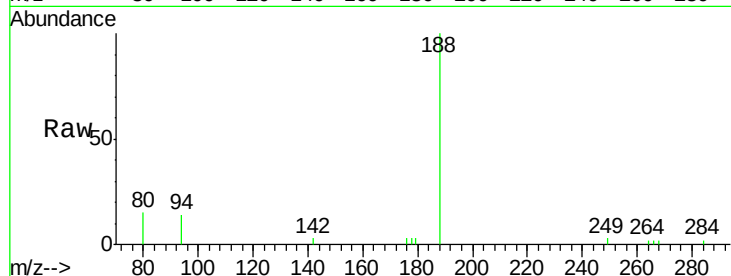
Tgt Ion:188 Resp: 3502

Ion Ratio Lower Upper

188 100

94 14.3 10.2 15.4

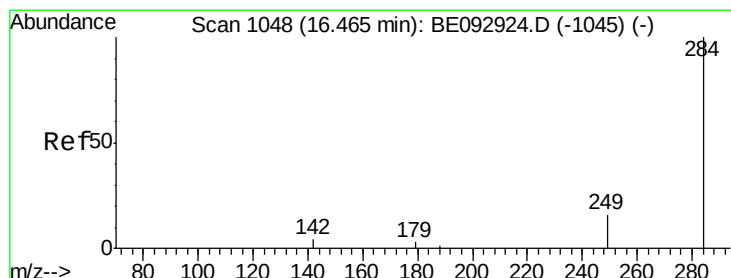
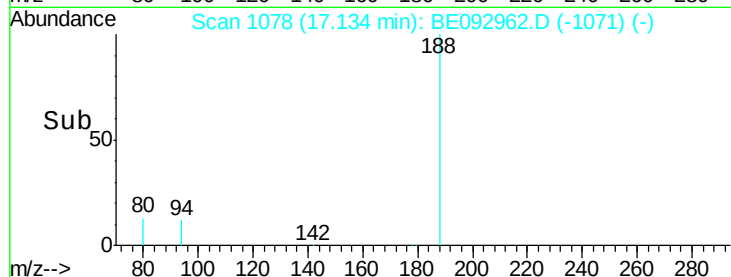
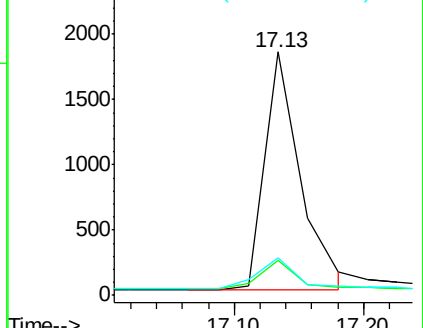
80 15.3 10.6 15.8



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: 0.30 ng

RT: 16.47 min Scan# 1049

Delta R.T. 0.00 min

Lab File: BE092962.D

Acq: 9 May 2017 13:32

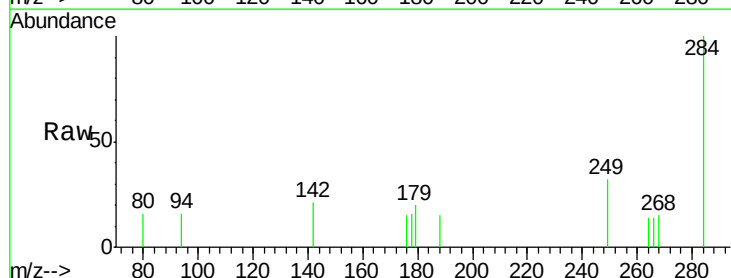
Tgt Ion:284 Resp: 449

Ion Ratio Lower Upper

284 100

142 0.0 0.0 0.0

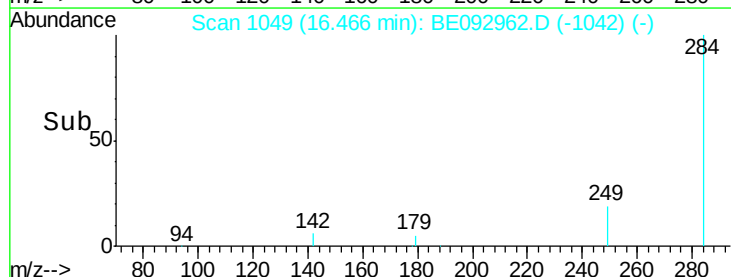
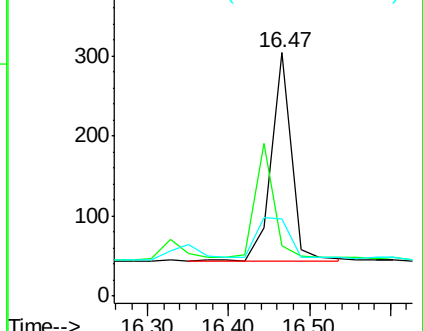
249 0.0 0.0 0.0

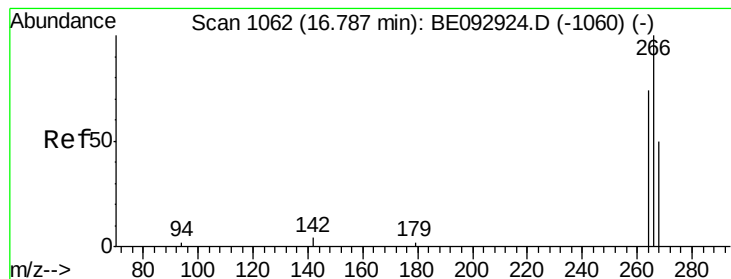


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





#21

Pentachlorophenol

Concen: 0.66 ng

RT: 16.81 min Scan# 1064

Delta R.T. 0.02 min

Lab File: BE092962.D

Acq: 9 May 2017 13:32

Instrument :

BNA_E

ClientSampleId :

PB98776BS

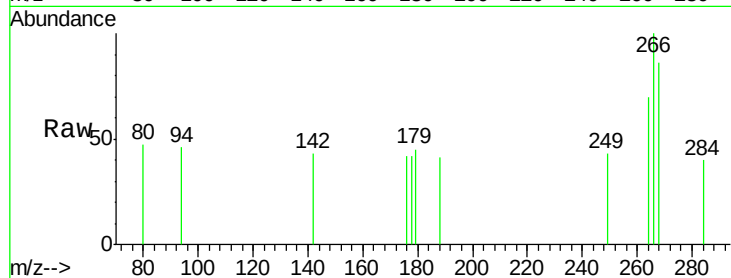
Tgt Ion:266 Resp: 192

Ion Ratio Lower Upper

266 100

264 70.3 75.4 113.2#

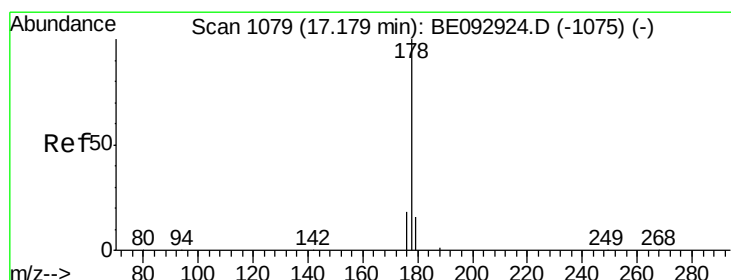
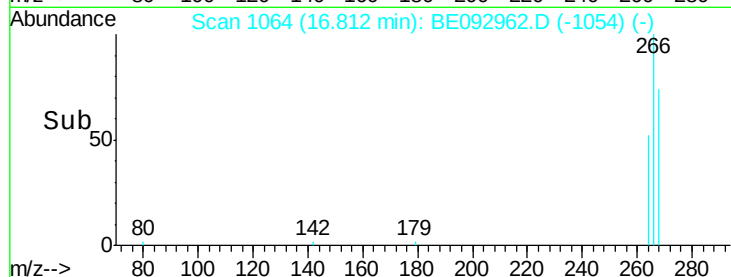
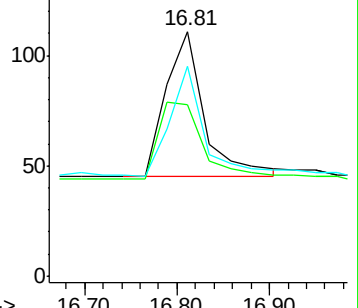
268 85.6 75.4 113.2



Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E



#22

Phenanthrene

Concen: 0.27 ng

RT: 17.18 min Scan# 1080

Delta R.T. 0.00 min

Lab File: BE092962.D

Acq: 9 May 2017 13:32

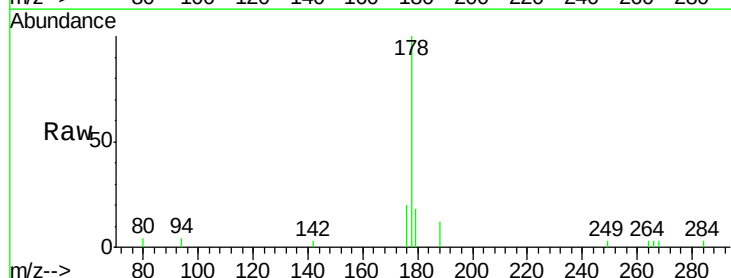
Tgt Ion:178 Resp: 2690

Ion Ratio Lower Upper

178 100

176 18.9 14.2 21.4

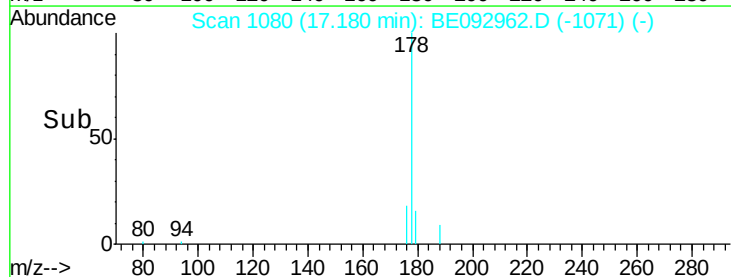
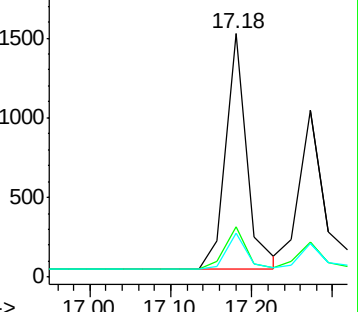
179 15.3 13.6 20.4

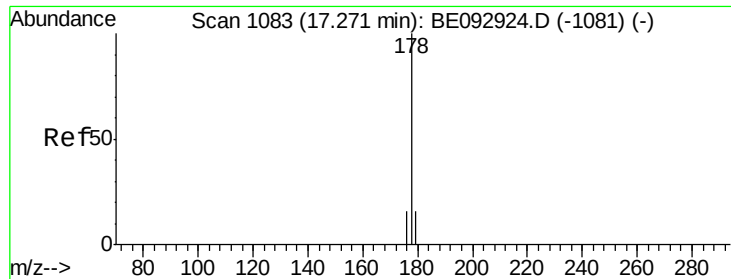


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#23

Anthracene

Concen: 0.28 ng

RT: 17.27 min Scan# 1084

Delta R.T. 0.00 min

Lab File: BE092962.D

Acq: 9 May 2017 13:32

Instrument :

BNA_E

ClientSampleId :

PB98776BS

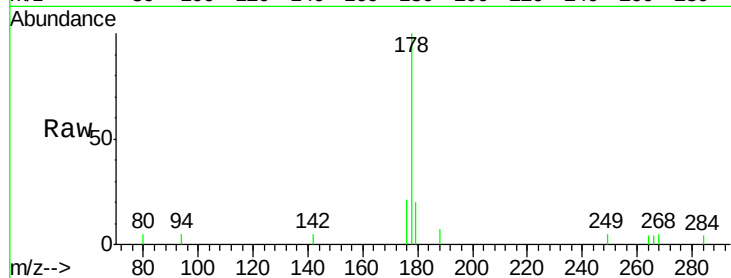
Tgt Ion:178 Resp: 2083

Ion Ratio Lower Upper

178 100

176 18.6 14.7 22.1

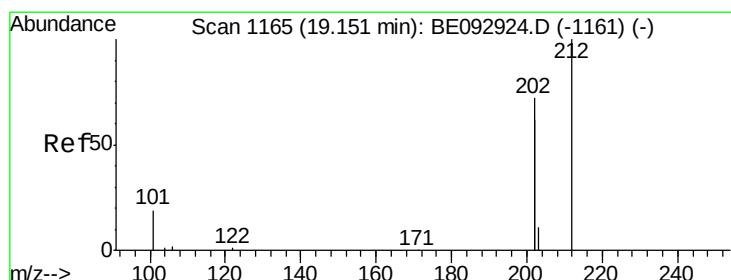
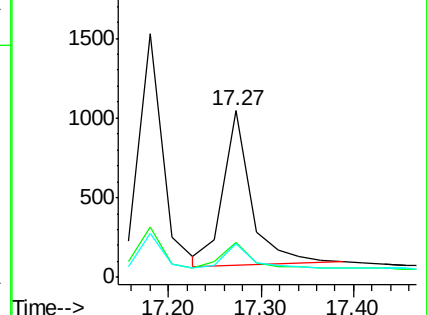
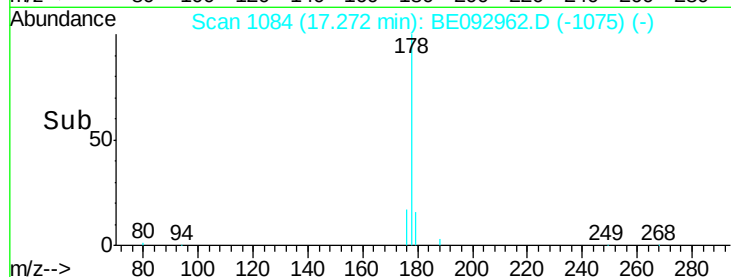
179 14.8 12.8 19.2



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: 0.28 ng

RT: 19.15 min Scan# 1165

Delta R.T. 0.00 min

Lab File: BE092962.D

Acq: 9 May 2017 13:32

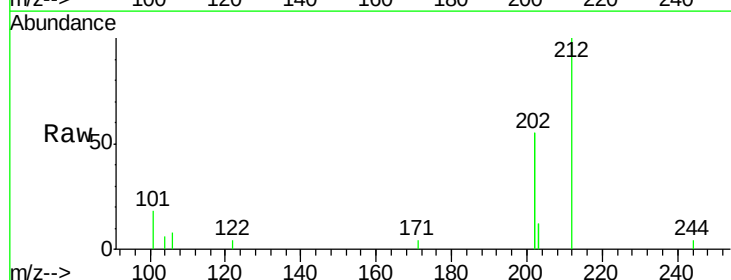
Tgt Ion:212 Resp: 2306

Ion Ratio Lower Upper

212 100

106 0.0 0.0 0.0

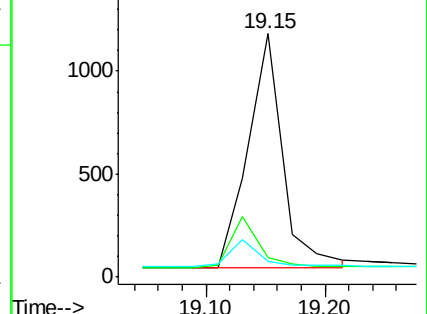
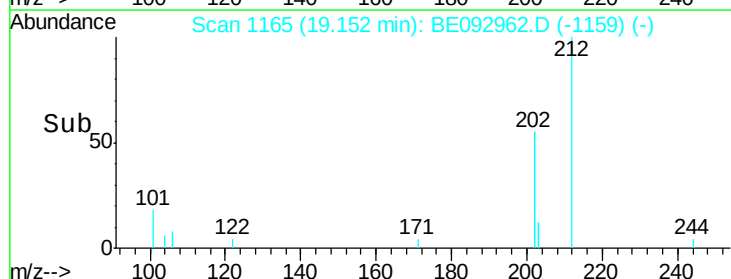
104 0.0 0.0 0.0

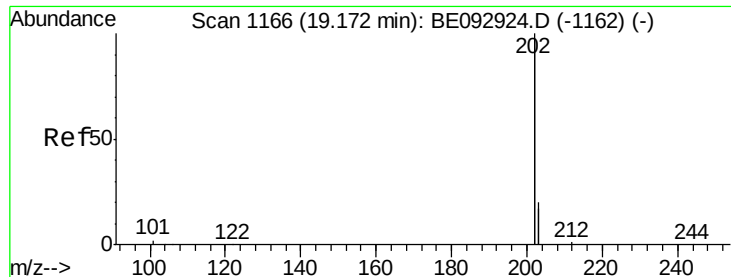


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E





#25

Fluoranthene

Concen: 0.28 ng

RT: 19.17 min Scan# 1166

Delta R.T. 0.00 min

Lab File: BE092962.D

Acq: 9 May 2017 13:32

Instrument :

BNA_E

ClientSampleId :

PB98776BS

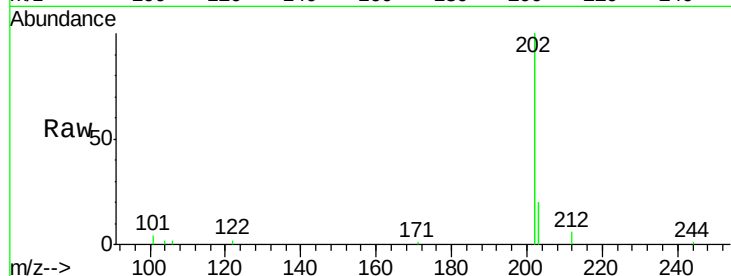
Tgt Ion:202 Resp: 11742

Ion Ratio Lower Upper

202 100

101 0.0 0.0 0.0

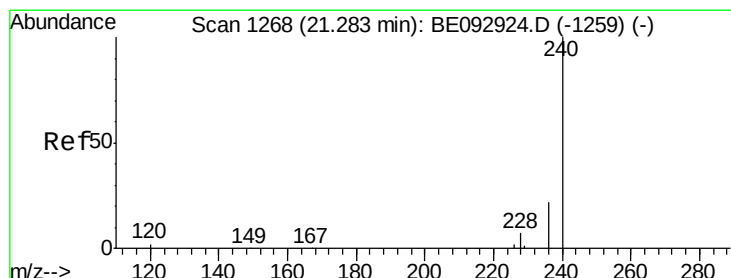
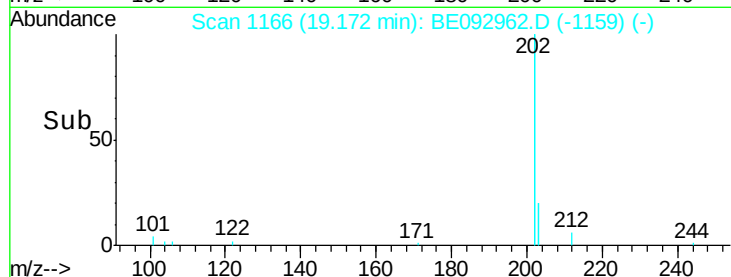
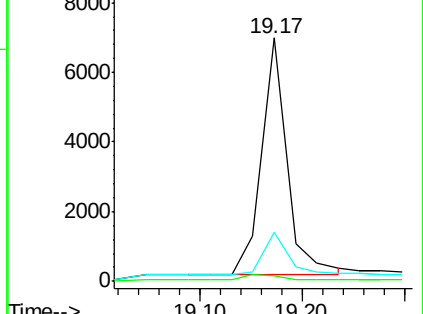
203 17.0 15.3 22.9



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# 1268

Delta R.T. 0.00 min

Lab File: BE092962.D

Acq: 9 May 2017 13:32

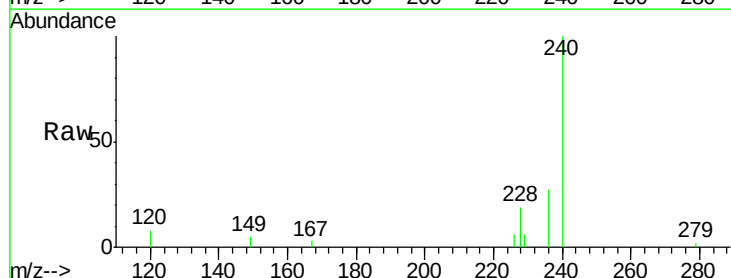
Tgt Ion:240 Resp: 3839

Ion Ratio Lower Upper

240 100

120 7.7 4.6 6.8#

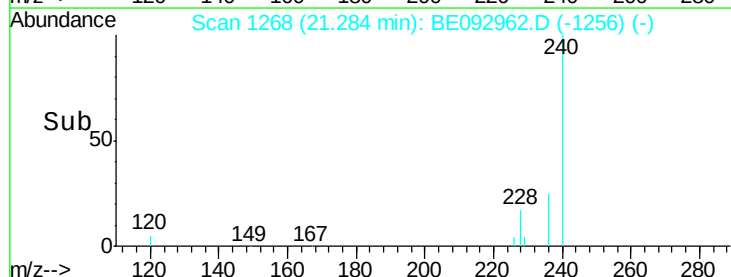
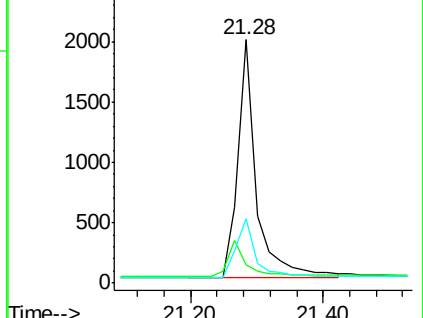
236 26.6 19.8 29.8

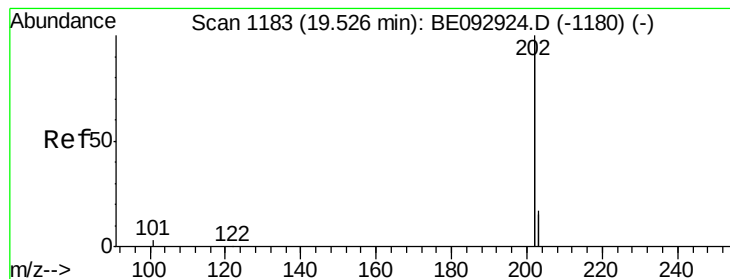


Abundance Ion 240.00 (239.70 to 240.70): E

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# 1183

Delta R.T. 0.00 min

Lab File: BE092962.D

Acq: 9 May 2017 13:32

Instrument :

BNA_E

ClientSampleId :

PB98776BS

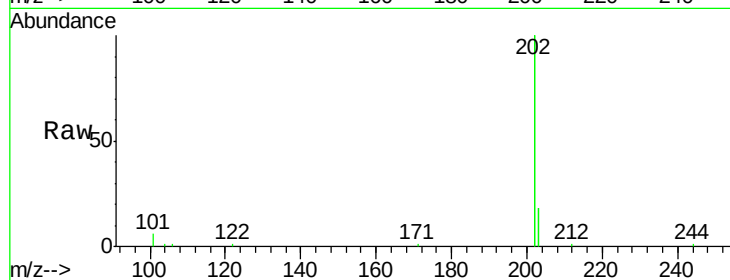
Tgt Ion:202 Resp: 12322

Ion Ratio Lower Upper

202 100

200 0.0 0.0 0.0

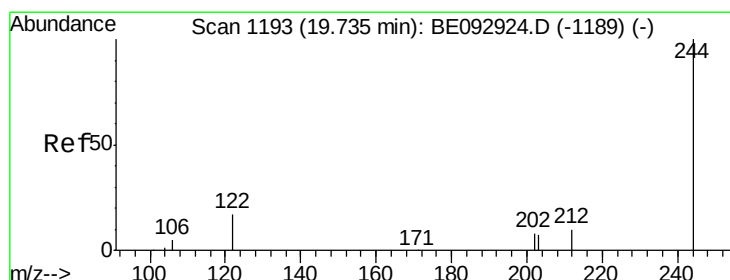
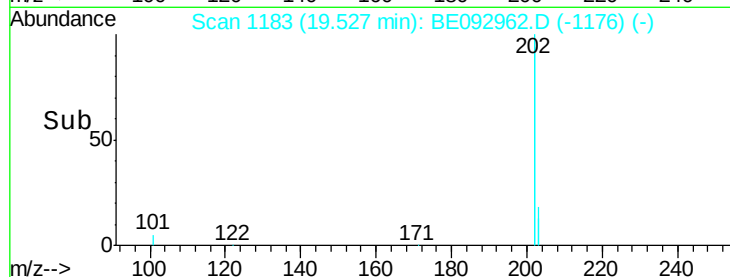
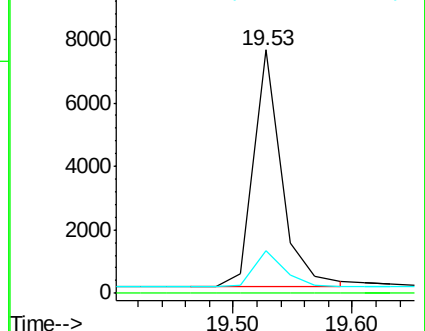
203 17.3 13.5 20.3



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#28

Terphenyl-d14

Concen: 0.24 ng

RT: 19.74 min Scan# 1193

Delta R.T. 0.00 min

Lab File: BE092962.D

Acq: 9 May 2017 13:32

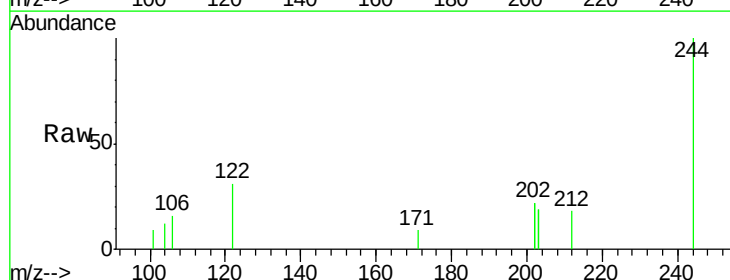
Tgt Ion:244 Resp: 1622

Ion Ratio Lower Upper

244 100

212 17.7 18.4 27.6#

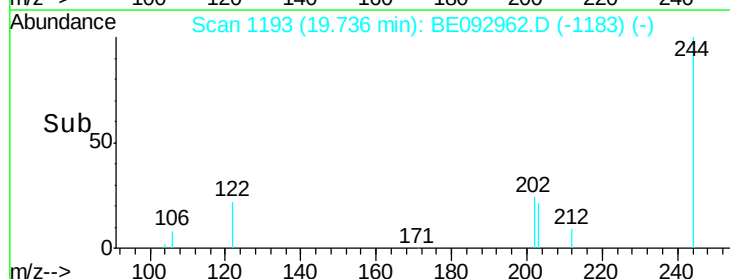
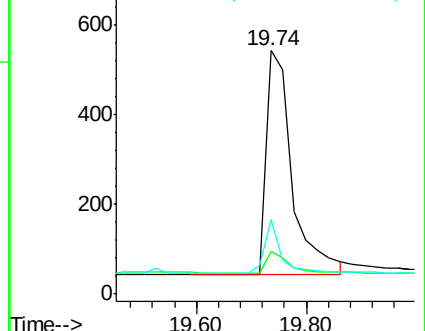
122 30.6 23.3 34.9

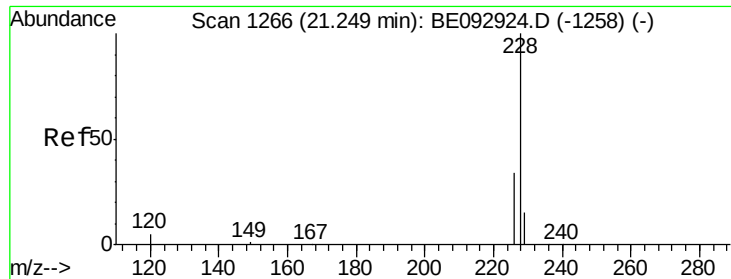


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#29

Benzo(a)anthracene

Concen: 0.25 ng

RT: 21.27 min Scan# 1267

Delta R.T. 0.02 min

Lab File: BE092962.D

Acq: 9 May 2017 13:32

Instrument :

BNA_E

ClientSampleId :

PB98776BS

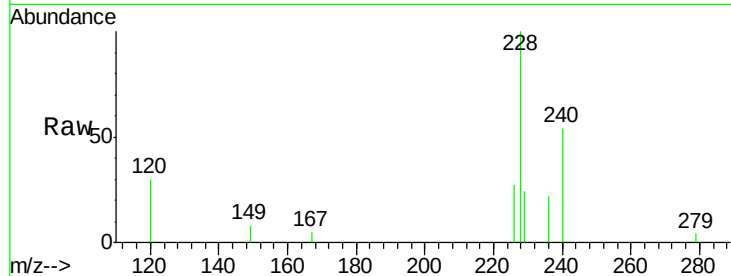
Tgt Ion:228 Resp: 2256

Ion Ratio Lower Upper

228 100

226 26.9 32.0 48.0#

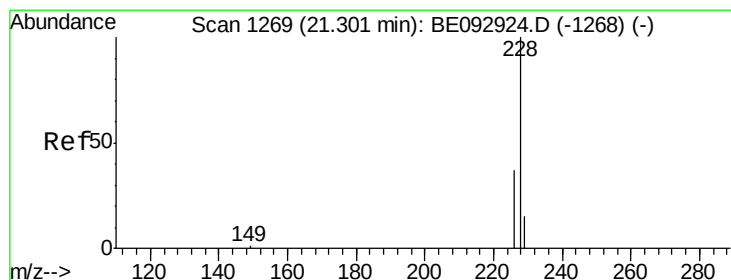
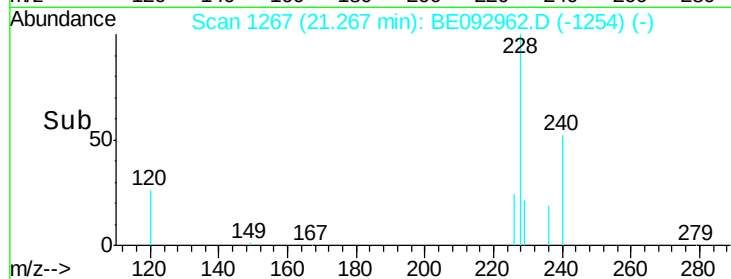
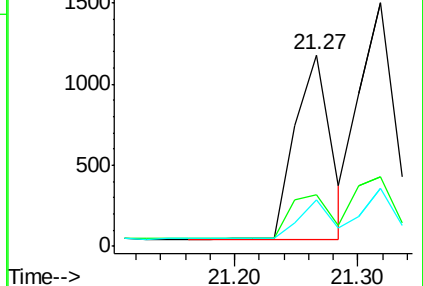
229 24.2 21.4 32.0



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



#30

Chrysene

Concen: 0.27 ng

RT: 21.32 min Scan# 1270

Delta R.T. 0.02 min

Lab File: BE092962.D

Acq: 9 May 2017 13:32

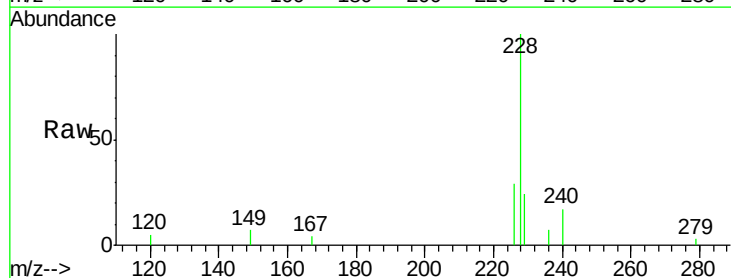
Tgt Ion:228 Resp: 3144

Ion Ratio Lower Upper

228 100

226 28.7 34.2 51.2#

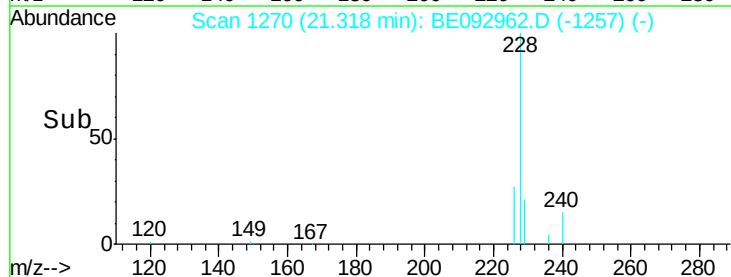
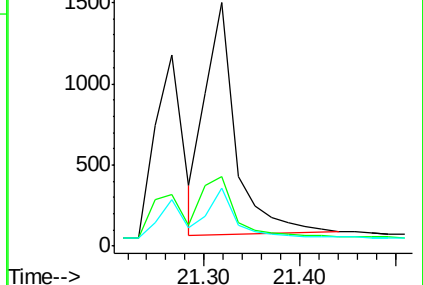
229 23.6 18.6 28.0

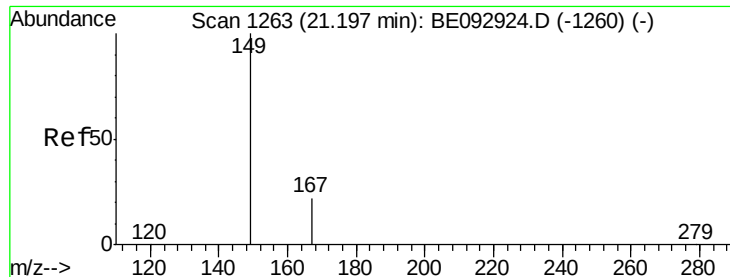


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

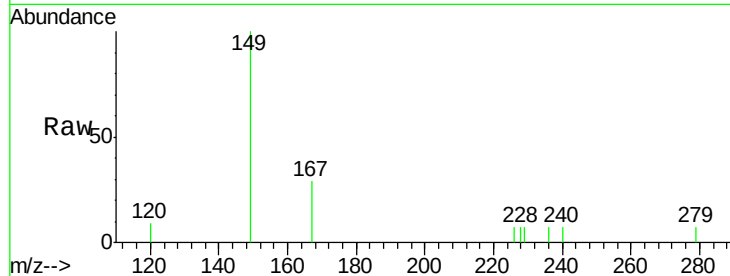




#31
 Bis(2-ethylhexyl)phthalate
 Concen: 0.30 ng
 RT: 21.20 min Scan# 1263
 Delta R.T. 0.00 min
 Lab File: BE092962.D
 Acq: 9 May 2017 13:32

Instrument :
 BNA_E
 ClientSampleId :
 PB98776BS

Tgt Ion:149 Resp: 737
 Ion Ratio Lower Upper
 149 100
 167 24.8 20.9 31.3
 279 0.0 0.0 0.0



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

21.20

800

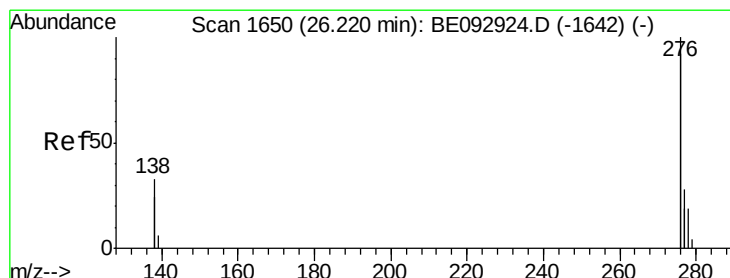
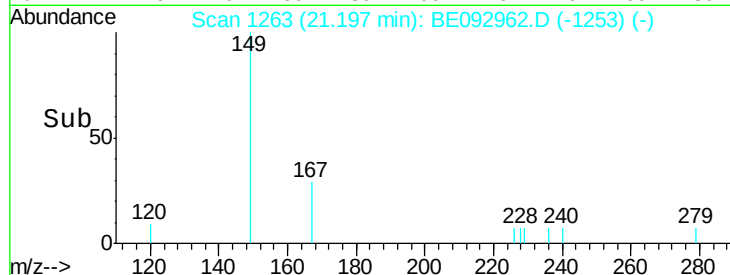
600

400

200

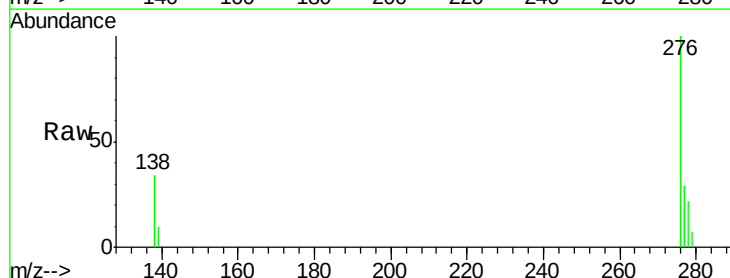
0

Time-->



#32
 Indeno(1,2,3-cd)pyrene
 Concen: 0.33 ng
 RT: 26.24 min Scan# 1651
 Delta R.T. 0.02 min
 Lab File: BE092962.D
 Acq: 9 May 2017 13:32

Tgt Ion:276 Resp: 13540
 Ion Ratio Lower Upper
 276 100
 138 32.8 25.8 38.6
 277 24.7 20.2 30.4



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

26.24

4000

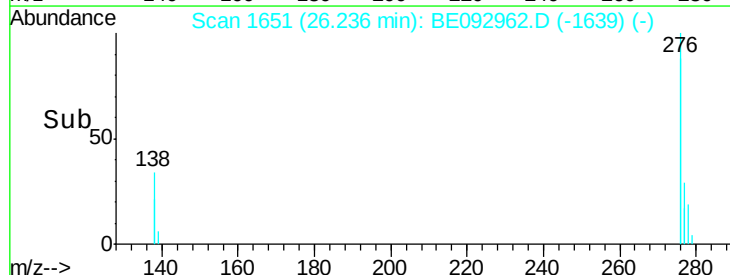
3000

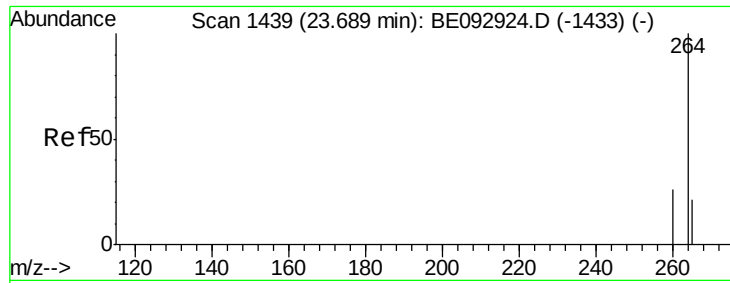
2000

1000

0

Time-->

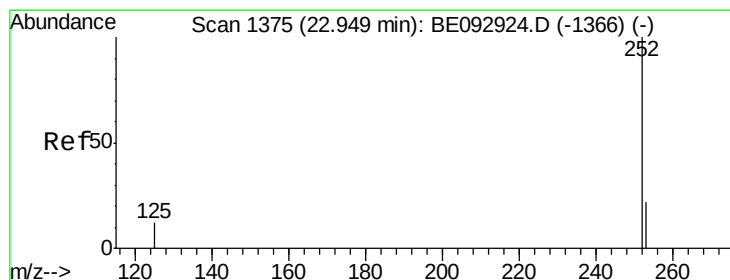
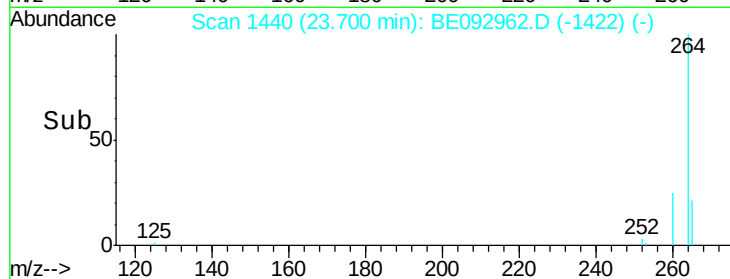
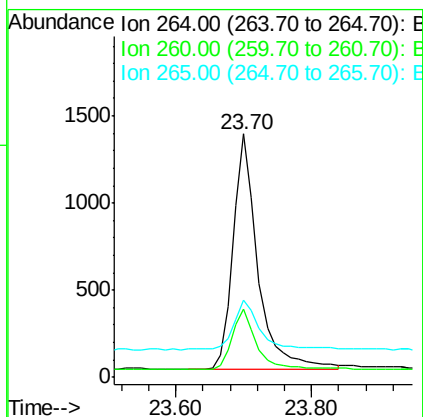
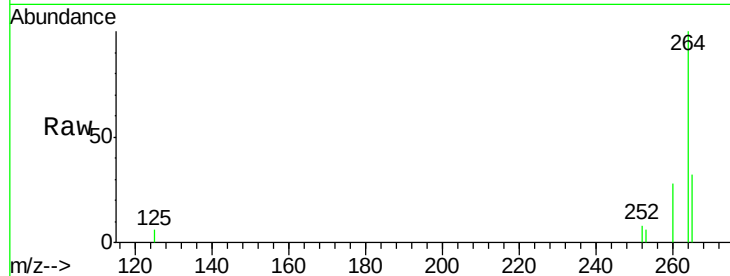




#33
 Perylene-d12
 Concen: 0.40 ng
 RT: 23.70 min Scan# 1440
 Delta R.T. 0.01 min
 Lab File: BE092962.D
 Acq: 9 May 2017 13:32

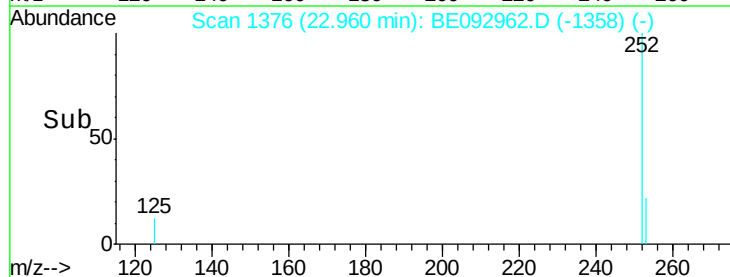
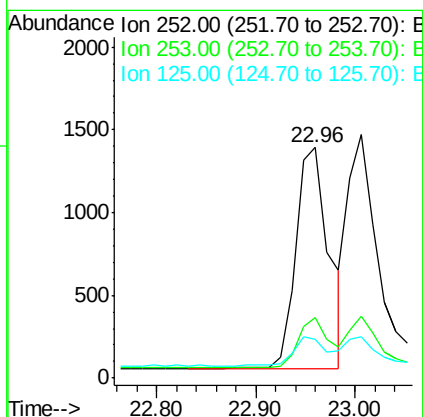
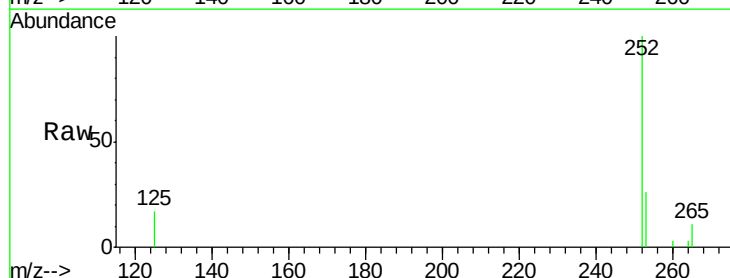
Instrument :
 BNA_E
 ClientSampleId :
 PB98776BS

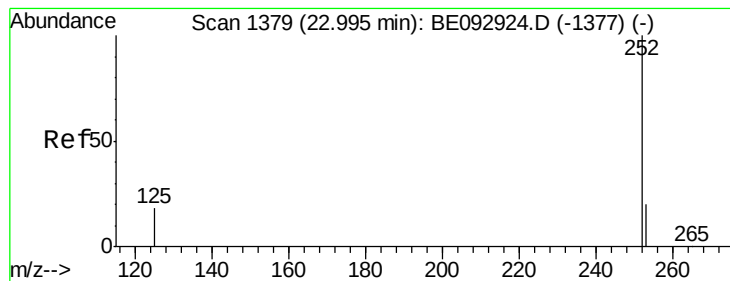
Tgt Ion: 264 Resp: 3436
 Ion Ratio Lower Upper
 264 100
 260 27.8 23.5 35.3
 265 31.9 27.2 40.8



#34
 Benzo(b)fluoranthene
 Concen: 0.27 ng
 RT: 22.96 min Scan# 1376
 Delta R.T. 0.01 min
 Lab File: BE092962.D
 Acq: 9 May 2017 13:32

Tgt Ion: 252 Resp: 3083
 Ion Ratio Lower Upper
 252 100
 253 26.1 24.7 37.1
 125 17.1 20.3 30.5#





#35

Benzo(k)fluoranthene

Concen: 0.27 ng

RT: 23.01 min Scan# 1380

Delta R.T. 0.01 min

Lab File: BE092962.D

Acq: 9 May 2017 13:32

Instrument :

BNA_E

ClientSampleId :

PB98776BS

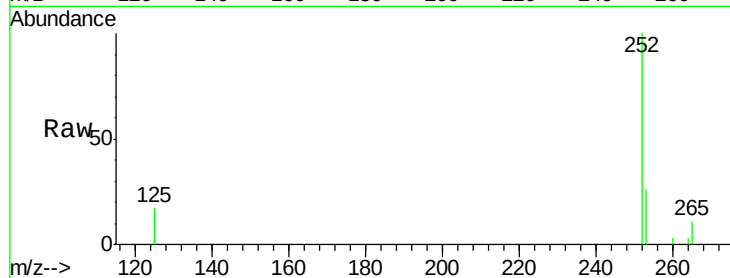
Tgt Ion: 252 Resp: 3031

Ion Ratio Lower Upper

252 100

253 25.6 25.8 38.8#

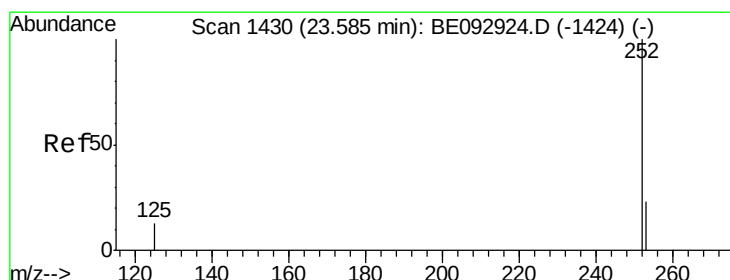
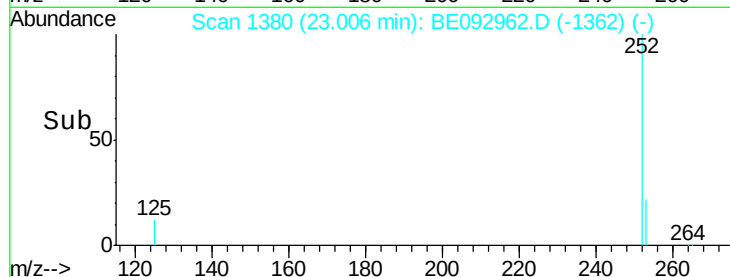
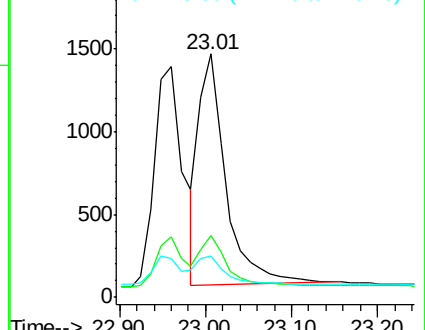
125 16.8 22.9 34.3#



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: 0.28 ng

RT: 23.58 min Scan# 1430

Delta R.T. -0.00 min

Lab File: BE092962.D

Acq: 9 May 2017 13:32

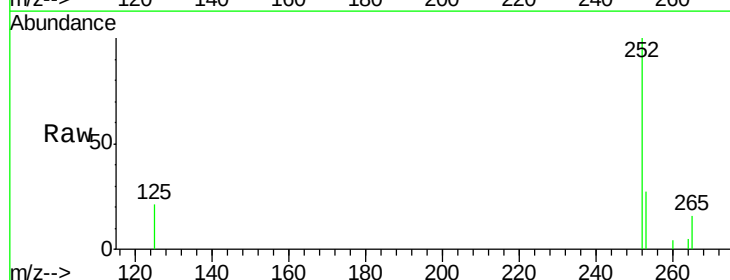
Tgt Ion: 252 Resp: 2540

Ion Ratio Lower Upper

252 100

253 26.6 31.3 46.9#

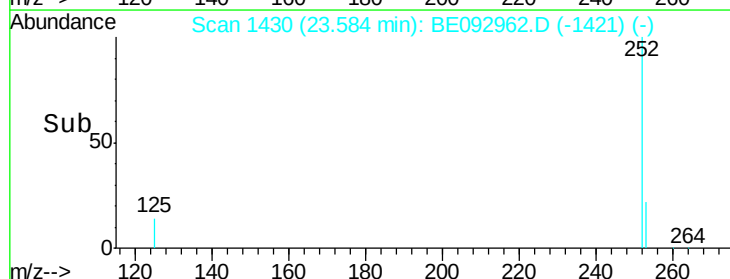
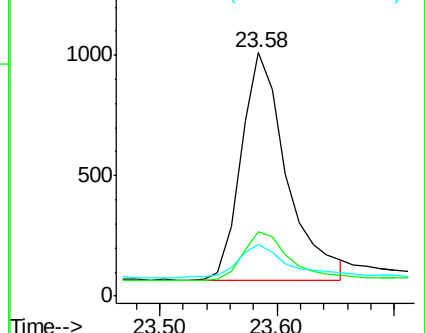
125 21.0 26.4 39.6#

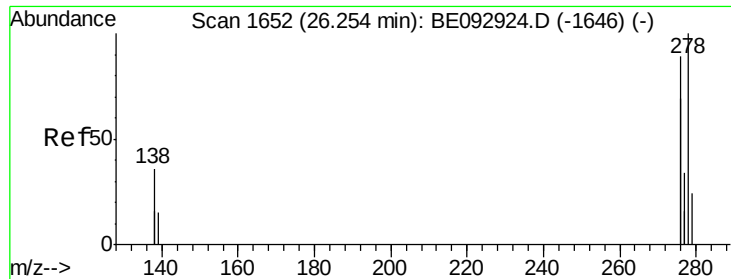


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Dibenzo(a,h)anthracene

Concen: 0.26 ng

RT: 26.27 min Scan# 1653

Delta R.T. 0.02 min

Lab File: BE092962.D

Acq: 9 May 2017 13:32

Instrument :

BNA_E

ClientSampleId :

PB98776BS

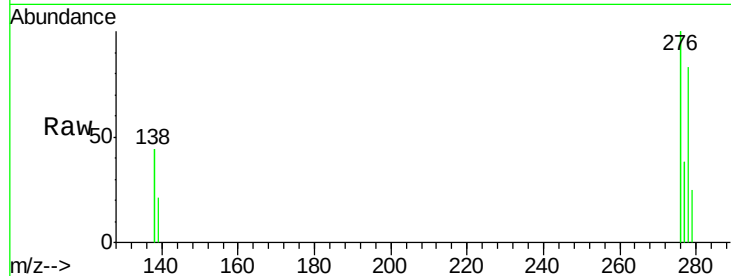
Tgt Ion: 278 Resp: 2648

Ion Ratio Lower Upper

278 100

139 25.2 27.4 41.2#

279 30.3 33.3 49.9#



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

26.27

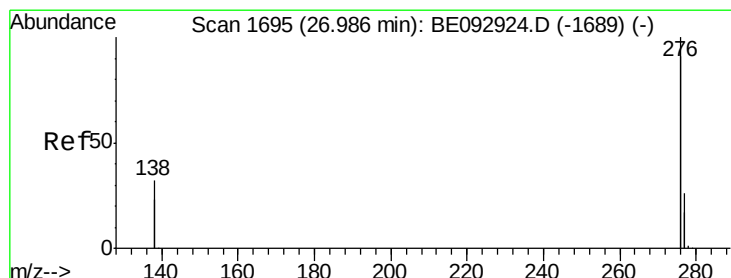
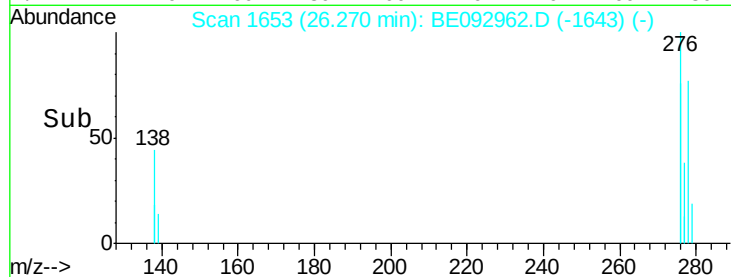
600

400

200

0

Time-->



#38

Benzo(g,h,i)perylene

Concen: 0.29 ng

RT: 27.00 min Scan# 1696

Delta R.T. 0.02 min

Lab File: BE092962.D

Acq: 9 May 2017 13:32

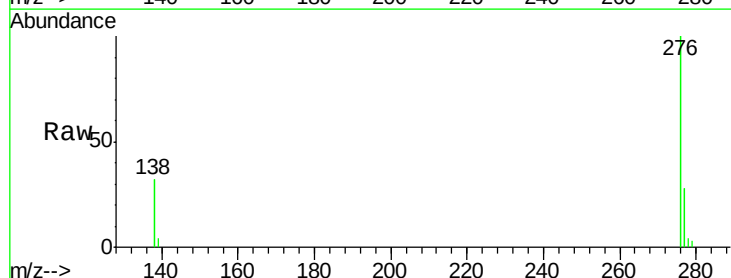
Tgt Ion: 276 Resp: 12716

Ion Ratio Lower Upper

276 100

277 27.7 29.9 44.9#

138 32.2 34.6 51.8#



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

27.00

4000

3000

2000

1000

0

Time-->

