

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE021916\
 Data File : BE091420.D
 Acq On : 19 Feb 2016 18:53
 Operator : UM/IZ
 Sample : H1519-05
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 KY038PS027-160217

Quant Time: Feb 19 22:39:30 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE020216.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 03 00:27:53 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	37654	5.00	ng	0.00
4) Naphthalene-d8	9.54	136	178311	5.00	ng	0.00
8) Acenaphthene-d10	13.35	164	117949	5.00	ng	0.00
14) Phenanthrene-d10	16.08	188	298372	5.00	ng	-0.01
18) Chrysene-d12	20.21	240	349878	5.00	ng	0.00
24) Perylene-d12	22.09	264	356287	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 2-Fluorophenol	4.91	112	24726	2.91	ng	-0.04
3) Phenol-d6	6.56	99	17670	1.57	ng	-0.01
5) Nitrobenzene-d5	8.15	82	52520	4.48	ng	-0.01
9) 2,4,6-Tribromophenol	14.89	330	41278	7.19	ng	-0.01
10) 2-Fluorobiphenyl	11.99	172	139254	4.54	ng	-0.02
20) Terphenyl-d14	18.61	244	251501	4.86	ng	0.00

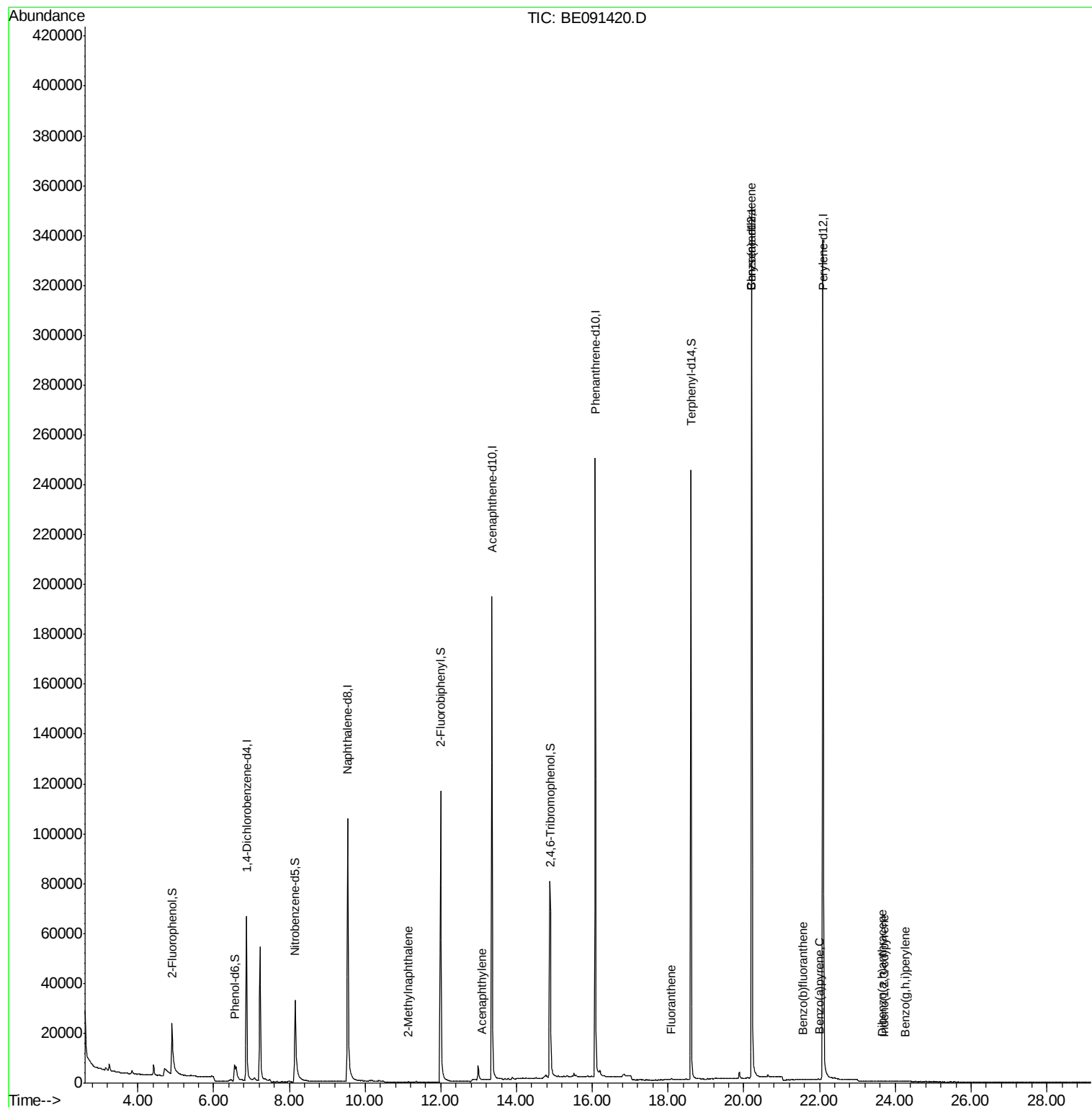
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
7) 2-Methylnaphthalene	11.14	142	273	0.14	ng	# 55
11) Acenaphthylene	13.10	152	545	0.18	ng	# 69
17) Fluoranthene	18.09	202	314	0.12	ng	# 75
21) Benzo(a)anthracene	20.21	228	1353	0.19	ng	# 74
22) Chrysene	20.21	228	1440	Below Cal		# 72
23) Indeno(1,2,3-cd)pyrene	23.70	276	215	0.16	ng	# 88
25) Benzo(b)fluoranthene	21.54	252	202	0.15	ng	# 1
27) Benzo(a)pyrene	22.00	252	184	0.17	ng	# 1
28) Dibenzo(a,h)anthracene	23.65	278	341	0.25	ng	# 1
29) Benzo(g,h,i)perylene	24.25	276	188	0.15	ng	# 1

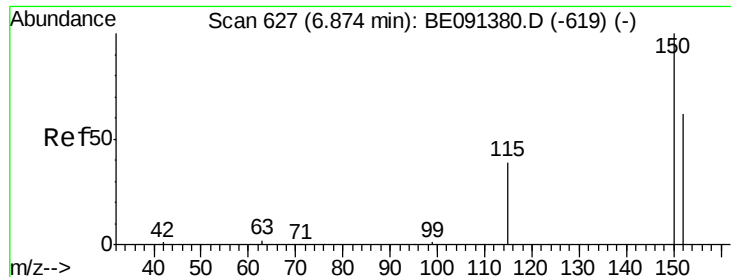
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 6.87 min Scan# 626

Delta R.T. -0.01 min

Lab File: BE091420.D

Acq: 19 Feb 2016 18:53

Instrument :

BNA_E

ClientSampleId :

KY038PS027-160217

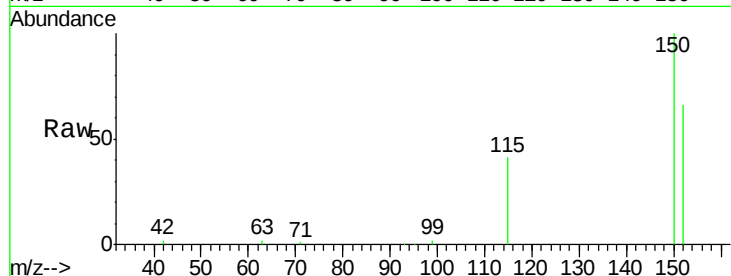
Tgt Ion:152 Resp: 37654

Ion Ratio Lower Upper

152 100

150 152.0 128.9 193.3

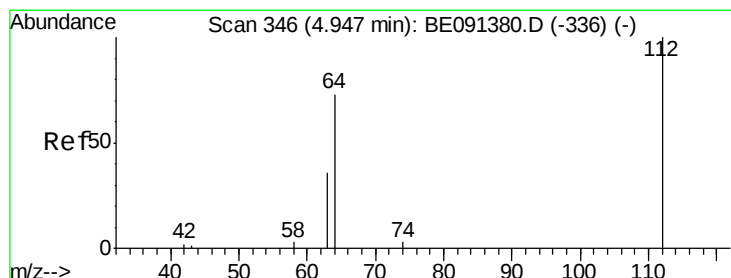
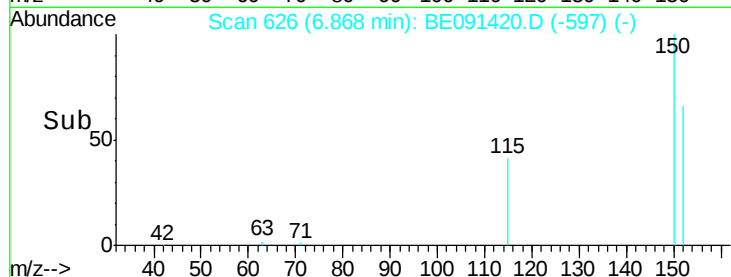
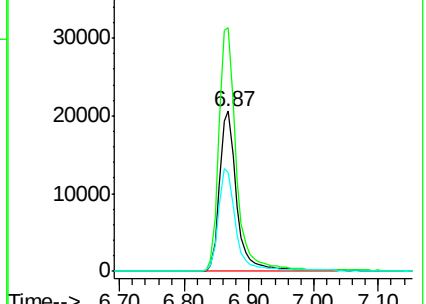
115 62.0 50.9 76.3



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

2-Fluorophenol

Concen: 2.91 ng

RT: 4.91 min Scan# 340

Delta R.T. -0.04 min

Lab File: BE091420.D

Acq: 19 Feb 2016 18:53

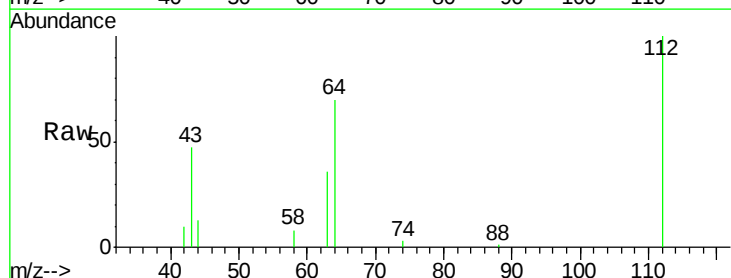
Tgt Ion:112 Resp: 24726

Ion Ratio Lower Upper

112 100

64 73.7 60.5 90.7

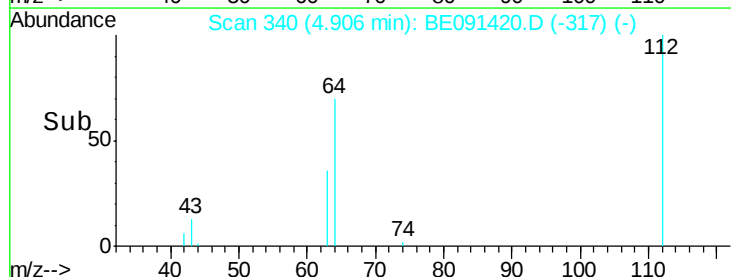
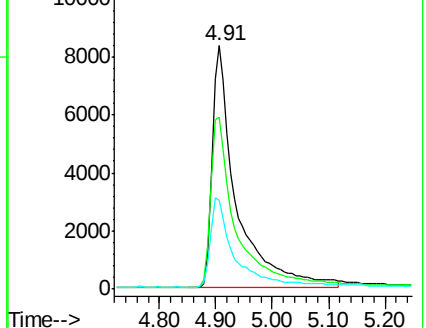
63 37.1 29.8 44.8

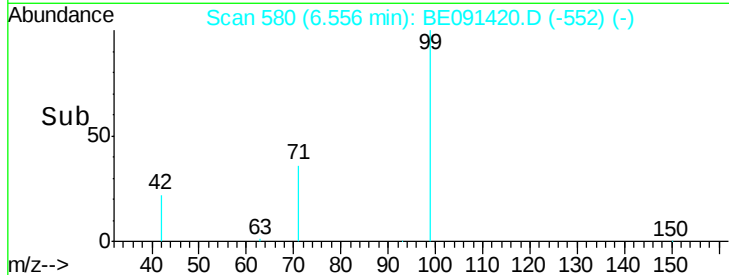
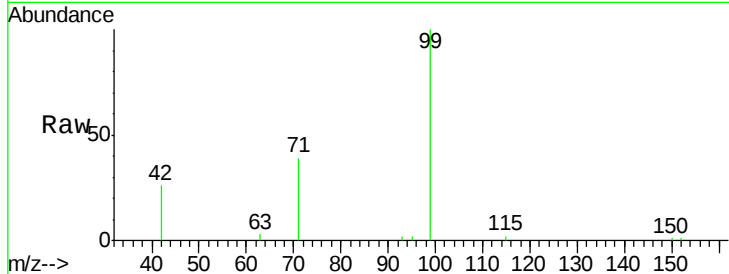
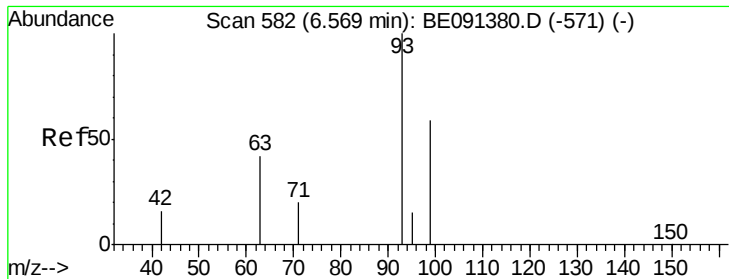


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#3

Phenol-d6

Concen: 1.57 ng

RT: 6.56 min Scan# 580

Delta R.T. -0.01 min

Lab File: BE091420.D

Acq: 19 Feb 2016 18:53

Instrument :

BNA_E

ClientSampleId :

KY038PS027-160217

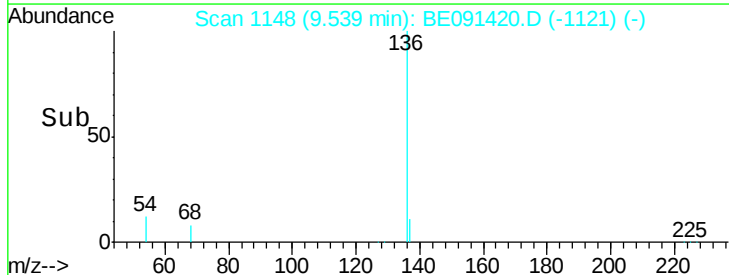
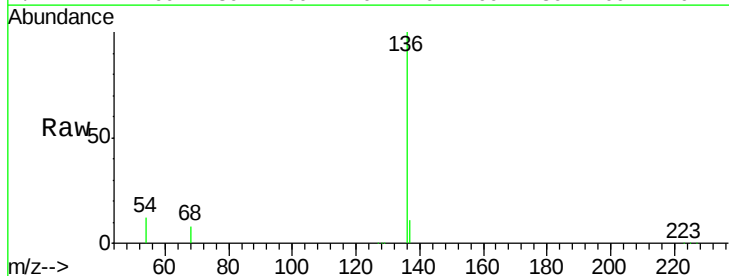
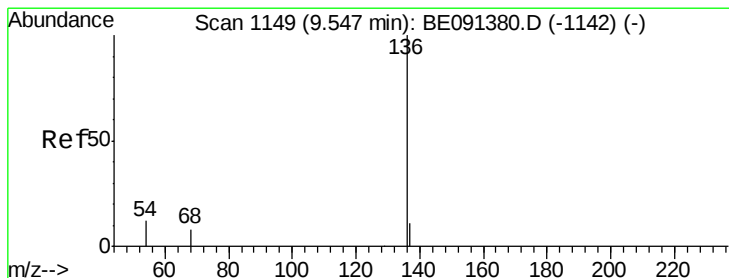
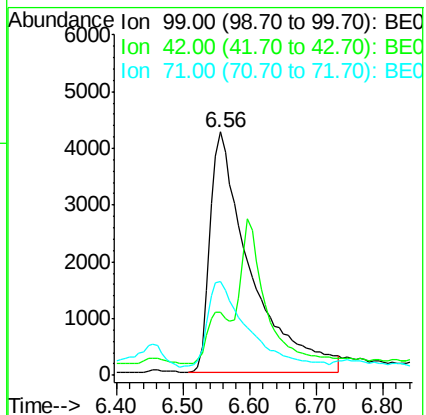
Tgt Ion: 99 Resp: 17670

Ion Ratio Lower Upper

99 100

42 11.5 13.3 19.9#

71 34.5 25.6 38.4



#4

Naphthalene-d8

Concen: 5.00 ng

RT: 9.54 min Scan# 1148

Delta R.T. -0.01 min

Lab File: BE091420.D

Acq: 19 Feb 2016 18:53

Tgt Ion: 136 Resp: 178311

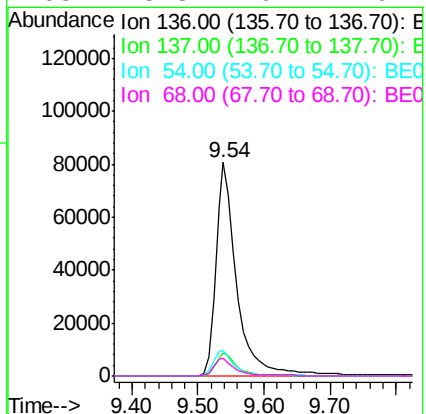
Ion Ratio Lower Upper

136 100

137 10.9 8.7 13.1

54 12.0 9.3 13.9

68 8.3 6.7 10.1





#5

Nitrobenzene-d5

Concen: 4.48 ng

RT: 8.15 min Scan# 859

Delta R.T. -0.01 min

Lab File: BE091420.D

Acq: 19 Feb 2016 18:53

Instrument :

BNA_E

ClientSampleId :

KY038PS027-160217

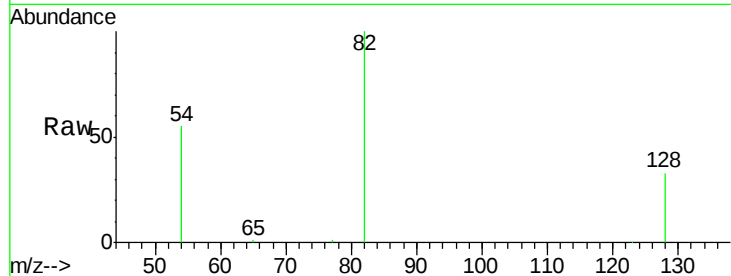
Tgt Ion: 82 Resp: 52520

Ion Ratio Lower Upper

82 100

128 33.0 25.0 37.4

54 55.1 48.1 72.1

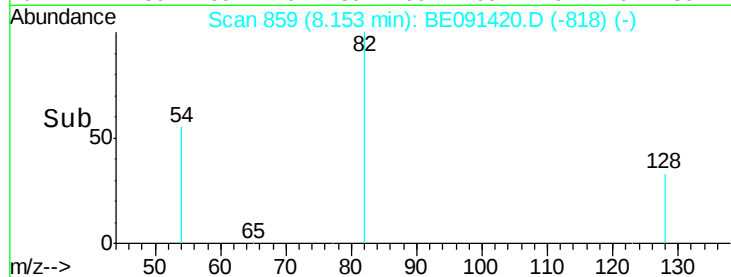


Abundance Ion 82.00 (81.70 to 82.70): BE091380.D (-851) (-)

Ion 128.00 (127.70 to 128.70): BE091380.D (-851) (-)

Ion 54.00 (53.70 to 54.70): BE091380.D (-851) (-)

Time-->

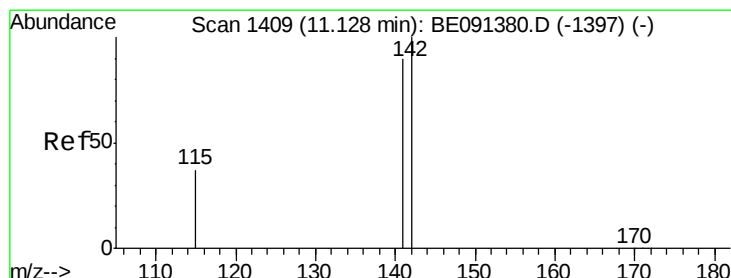


Abundance Ion 82.00 (81.70 to 82.70): BE091420.D (-818) (-)

Ion 128.00 (127.70 to 128.70): BE091420.D (-818) (-)

Ion 54.00 (53.70 to 54.70): BE091420.D (-818) (-)

Time-->



#7

2-Methylnaphthalene

Concen: 0.14 ng

RT: 11.14 min Scan# 1412

Delta R.T. 0.01 min

Lab File: BE091420.D

Acq: 19 Feb 2016 18:53

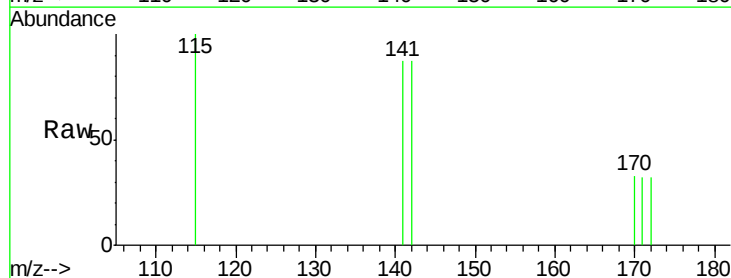
Tgt Ion: 142 Resp: 273

Ion Ratio Lower Upper

142 100

141 100.0 72.3 108.5

115 115.3 30.5 45.7#

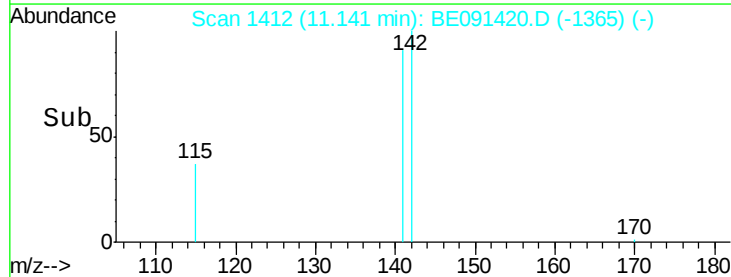


Abundance Ion 142.00 (141.70 to 142.70): BE091380.D (-1397) (-)

Ion 141.00 (140.70 to 141.70): BE091380.D (-1397) (-)

Ion 115.00 (114.70 to 115.70): BE091380.D (-1397) (-)

Time-->

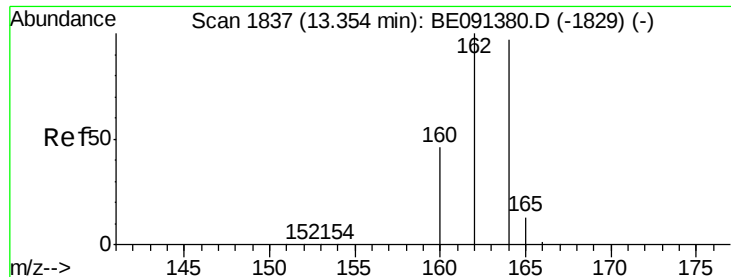


Abundance Ion 142.00 (141.70 to 142.70): BE091420.D (-1365) (-)

Ion 141.00 (140.70 to 141.70): BE091420.D (-1365) (-)

Ion 115.00 (114.70 to 115.70): BE091420.D (-1365) (-)

Time-->



#8

Acenaphthene-d10

Concen: 5.00 ng

RT: 13.35 min Scan# 1836

Delta R.T. -0.01 min

Lab File: BE091420.D

Acq: 19 Feb 2016 18:53

Instrument :

BNA_E

ClientSampleId :

KY038PS027-160217

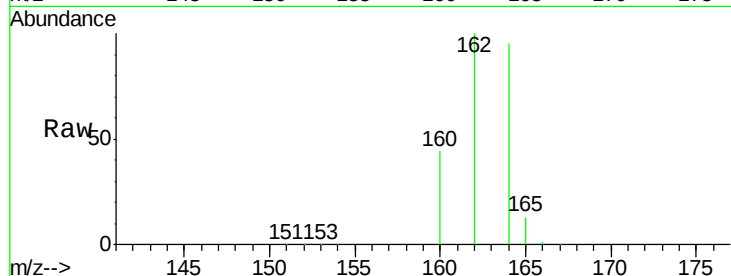
Tgt Ion:164 Resp: 117949

Ion Ratio Lower Upper

164 100

162 105.3 82.2 123.2

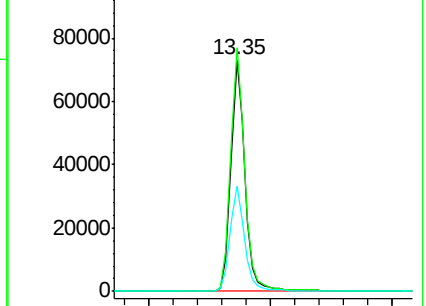
160 45.8 37.8 56.8



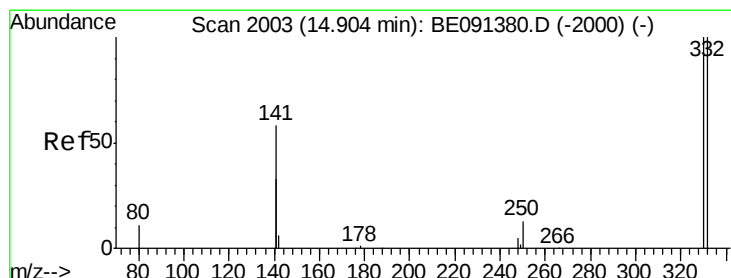
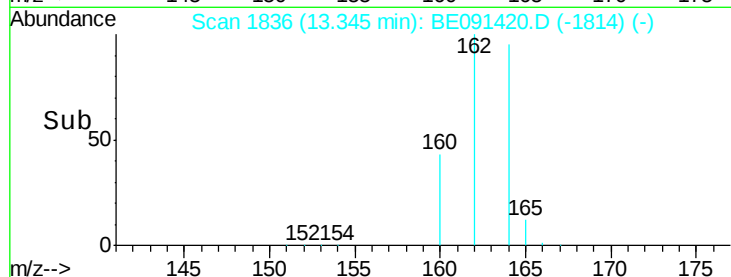
Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



Time-->



#9

2,4,6-Tribromophenol

Concen: 7.19 ng

RT: 14.89 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BE091420.D

Acq: 19 Feb 2016 18:53

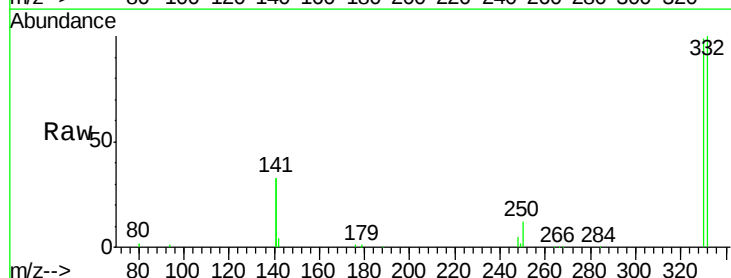
Tgt Ion:330 Resp: 41278

Ion Ratio Lower Upper

330 100

332 96.8 78.8 118.2

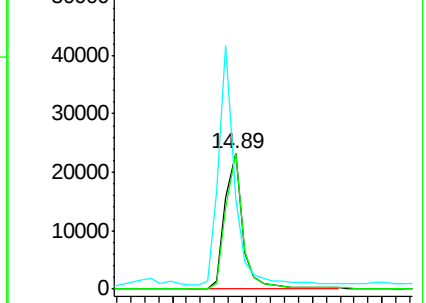
141 158.9 105.1 157.7#



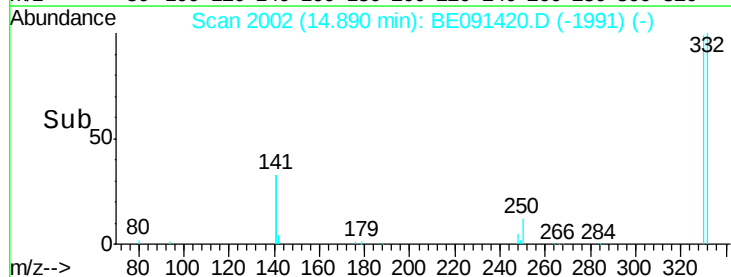
Abundance Ion 329.80 (329.50 to 330.50): E

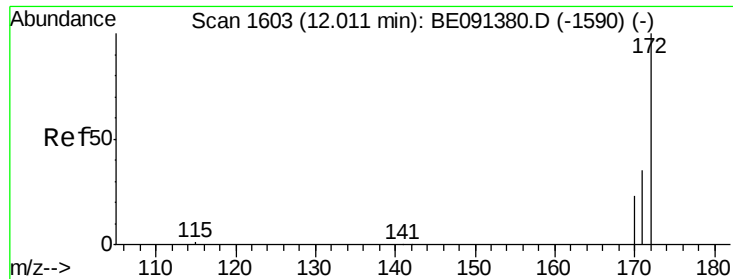
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



Time-->

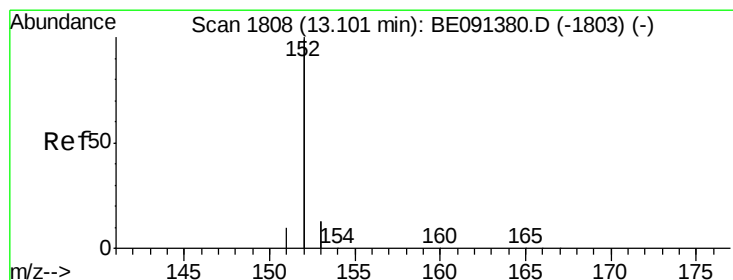
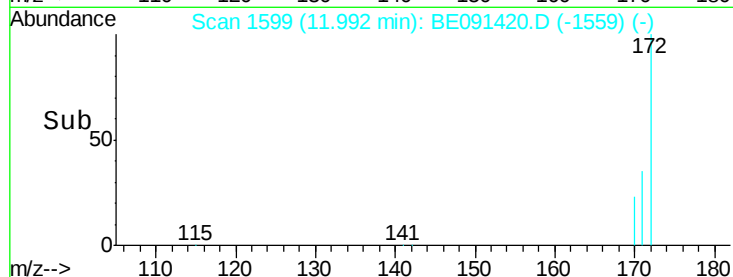
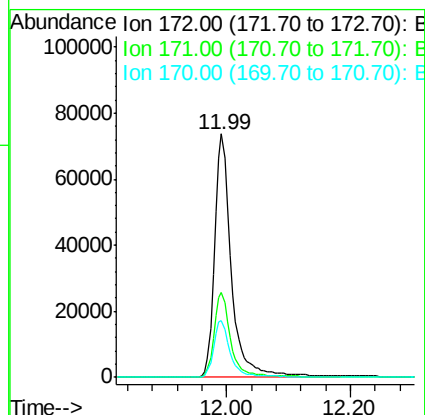
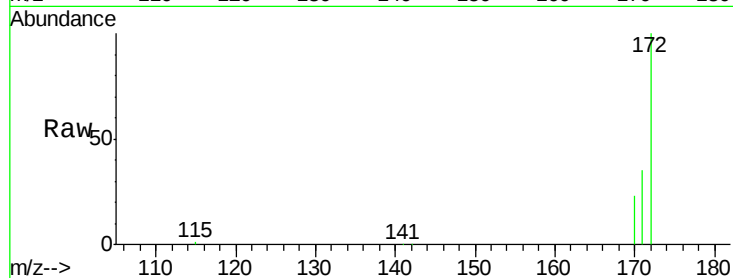




#10
2-Fluorobiphenyl
Concen: 4.54 ng
RT: 11.99 min Scan# 1599
Delta R.T. -0.02 min
Lab File: BE091420.D
Acq: 19 Feb 2016 18:53

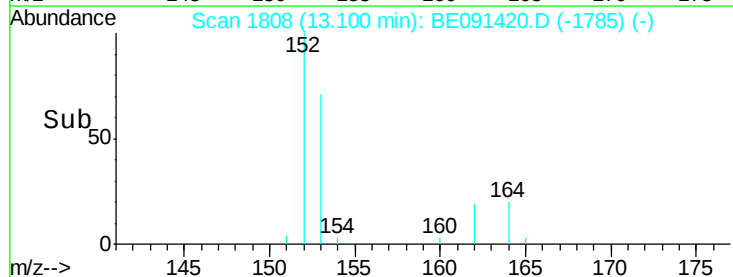
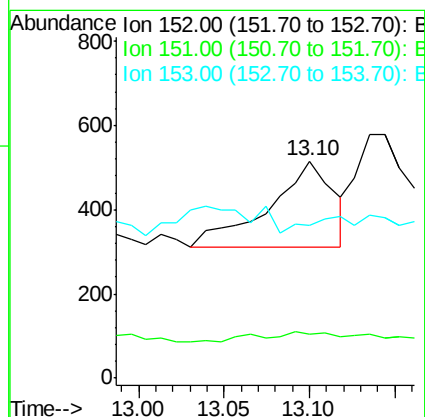
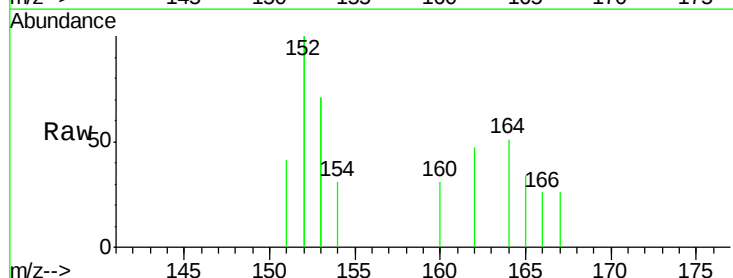
Instrument :
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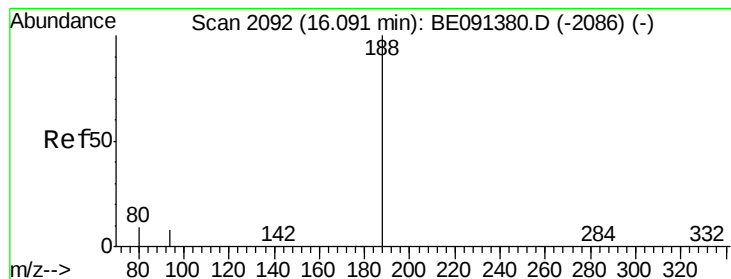
Tgt Ion:172 Resp: 139254
Ion Ratio Lower Upper
172 100
171 34.8 27.8 41.8
170 23.2 18.6 28.0



#11
Acenaphthylene
Concen: 0.18 ng
RT: 13.10 min Scan# 1808
Delta R.T. 0.00 min
Lab File: BE091420.D
Acq: 19 Feb 2016 18:53

Tgt Ion:152 Resp: 545
Ion Ratio Lower Upper
152 100
151 13.6 3.8 5.8#
153 0.0 10.2 15.4#





#14

Phenanthrene-d10

Concen: 5.00 ng

RT: 16.08 min Scan# 2091

Delta R.T. -0.01 min

Lab File: BE091420.D

Acq: 19 Feb 2016 18:53

Instrument :

BNA_E

ClientSampleId :

KY038PS027-160217

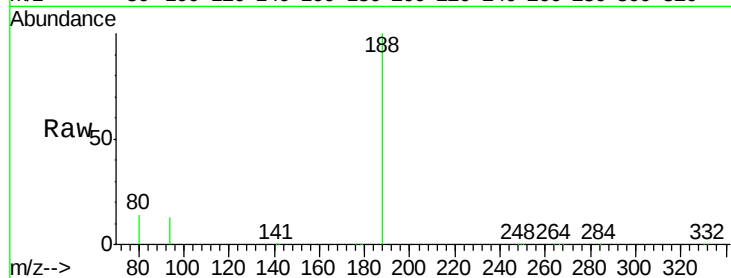
Tgt Ion:188 Resp: 298372

Ion Ratio Lower Upper

188 100

94 13.0 6.6 10.0#

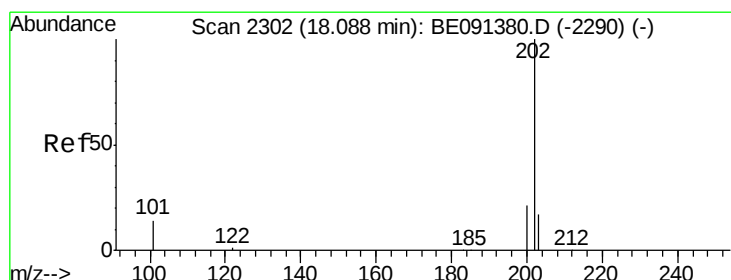
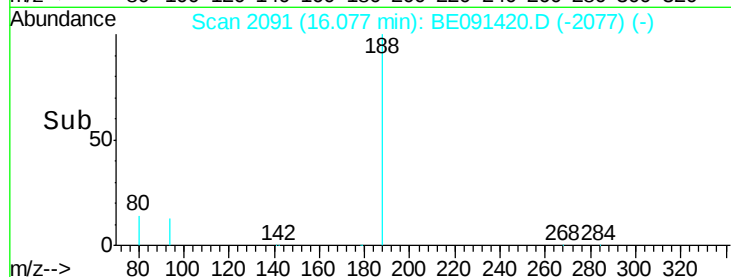
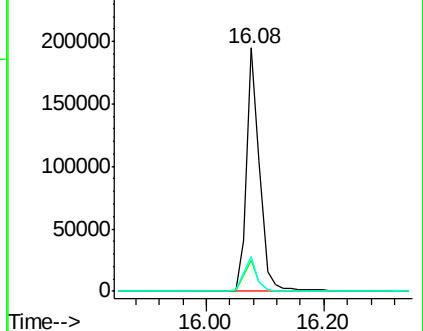
80 14.4 7.0 10.6#



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



#17

Fluoranthene

Concen: 0.12 ng

RT: 18.09 min Scan# 2302

Delta R.T. -0.00 min

Lab File: BE091420.D

Acq: 19 Feb 2016 18:53

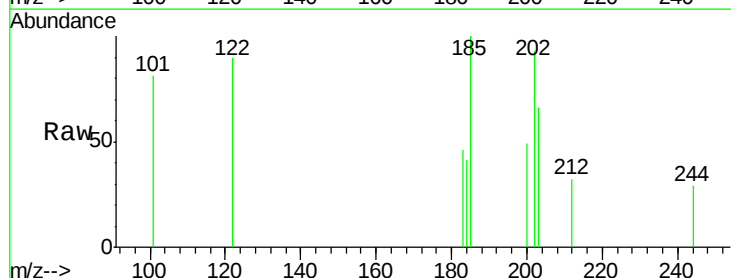
Tgt Ion:202 Resp: 314

Ion Ratio Lower Upper

202 100

101 31.5 10.5 15.7#

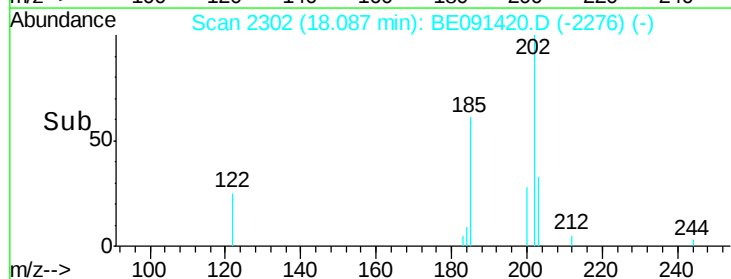
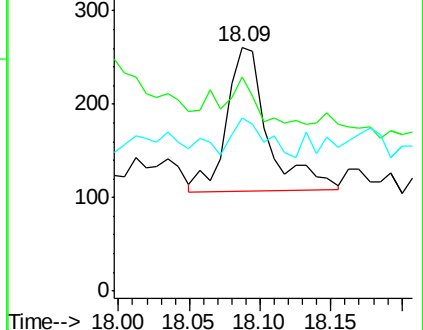
203 21.3 13.9 20.9#

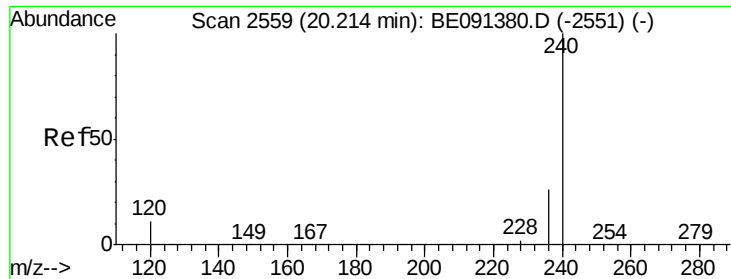


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#18

Chrysene-d12

Concen: 5.00 ng

RT: 20.21 min Scan# 2559

Delta R.T. -0.01 min

Lab File: BE091420.D

Acq: 19 Feb 2016 18:53

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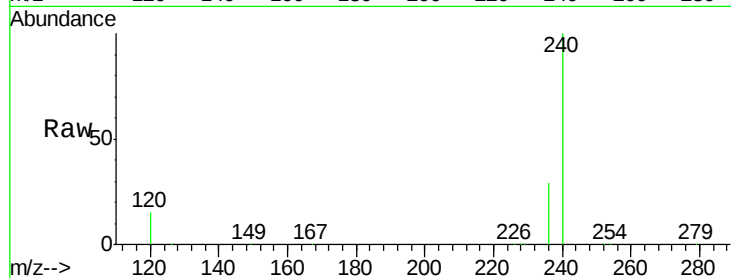
Tgt Ion:240 Resp: 349878

Ion Ratio Lower Upper

240 100

120 15.3 8.9 13.3#

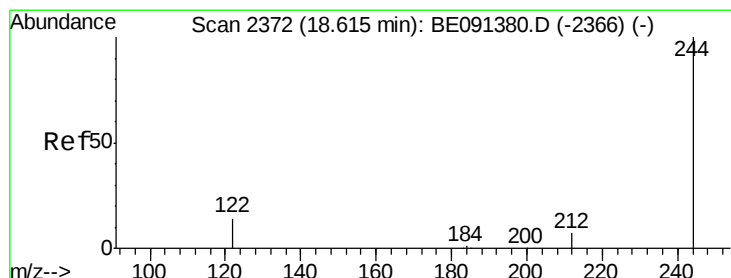
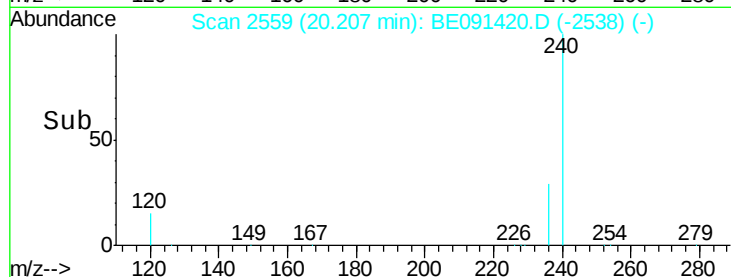
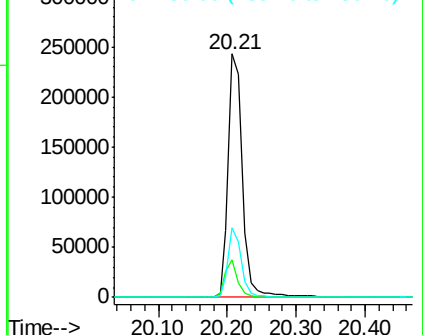
236 28.6 21.0 31.4



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



#20

Terphenyl-d14

Concen: 4.86 ng

RT: 18.61 min Scan# 2371

Delta R.T. -0.01 min

Lab File: BE091420.D

Acq: 19 Feb 2016 18:53

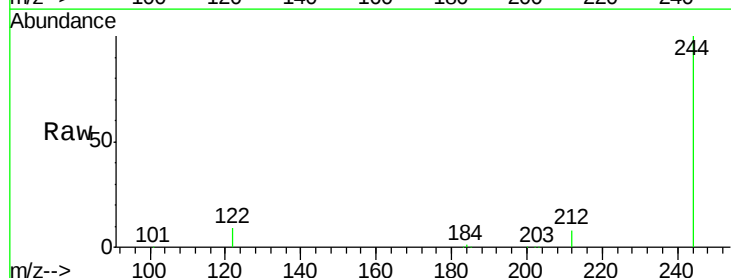
Tgt Ion:244 Resp: 251501

Ion Ratio Lower Upper

244 100

212 7.9 6.1 9.1

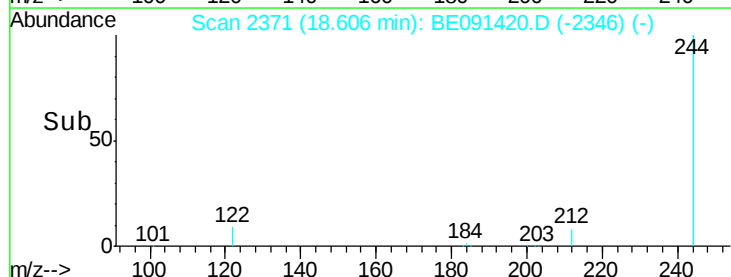
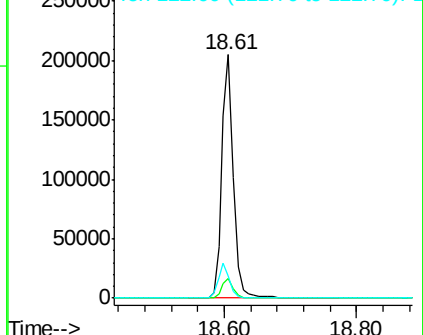
122 9.1 11.0 16.6#

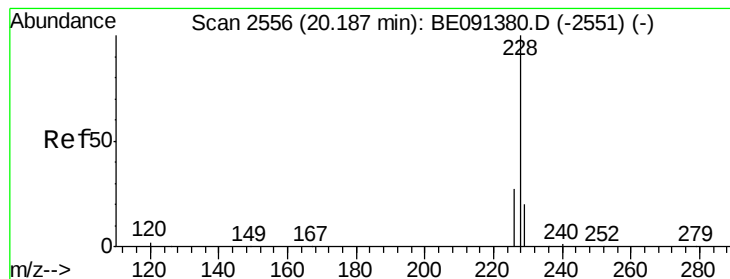


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#21

Benzo(a)anthracene

Concen: 0.19 ng

RT: 20.21 min Scan# 2559

Delta R.T. 0.02 min

Lab File: BE091420.D

Acq: 19 Feb 2016 18:53

Instrument :

BNA_E

ClientSampleId :

KY038PS027-160217

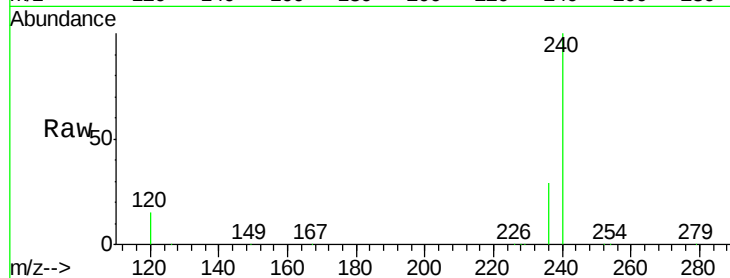
Tgt Ion:228 Resp: 1353

Ion Ratio Lower Upper

228 100

226 20.1 21.7 32.5#

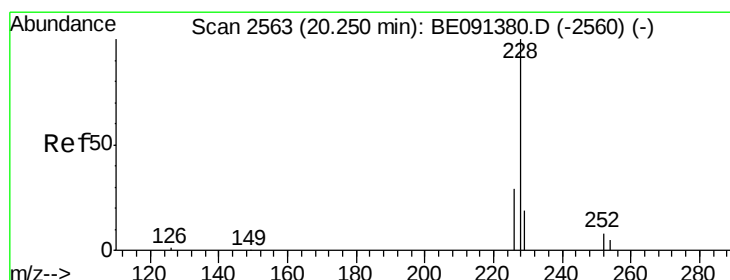
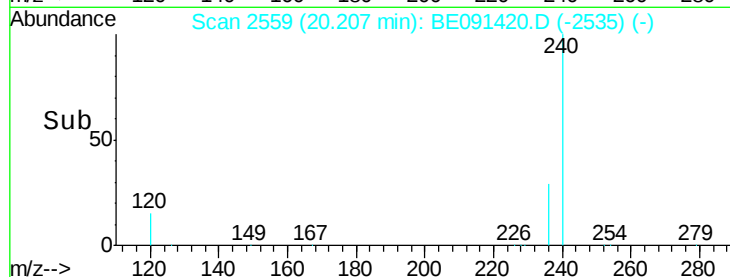
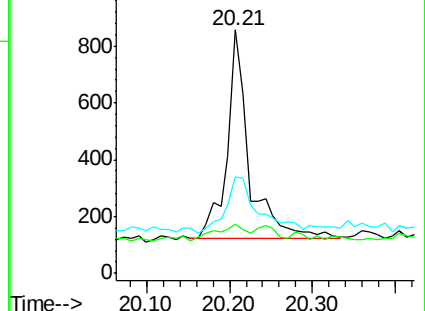
229 39.7 16.1 24.1#



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



#22

Chrysene

Concen: Below Cal

RT: 20.21 min Scan# 2559

Delta R.T. -0.04 min

Lab File: BE091420.D

Acq: 19 Feb 2016 18:53

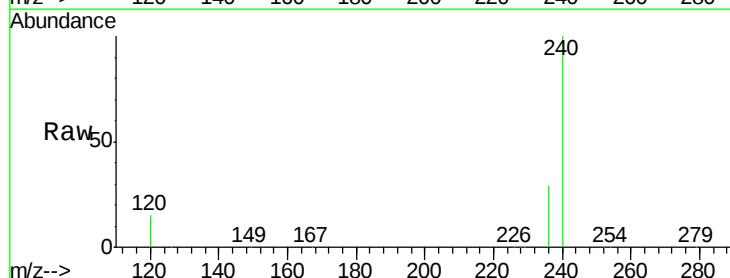
Tgt Ion:228 Resp: 1440

Ion Ratio Lower Upper

228 100

226 20.1 23.4 35.0#

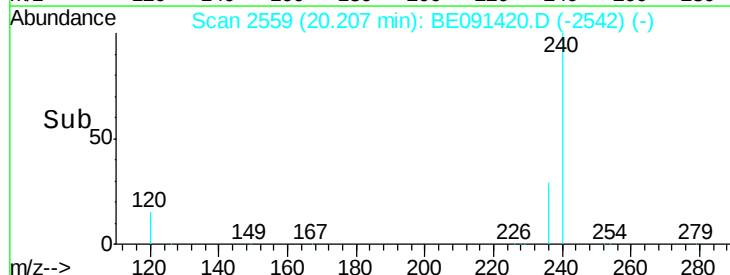
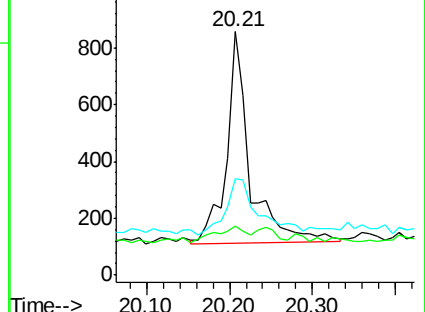
229 39.7 15.7 23.5#

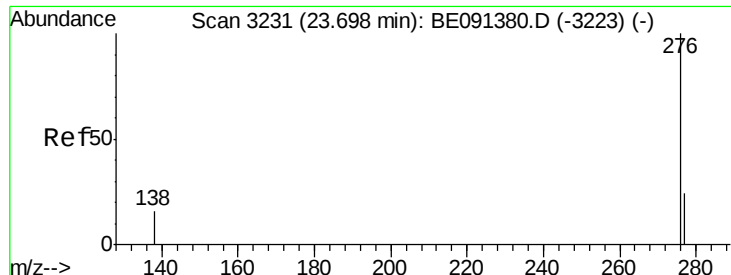


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#23

Indeno(1,2,3-cd)pyrene

Concen: 0.16 ng

RT: 23.70 min Scan# 3233

Delta R.T. 0.01 min

Lab File: BE091420.D

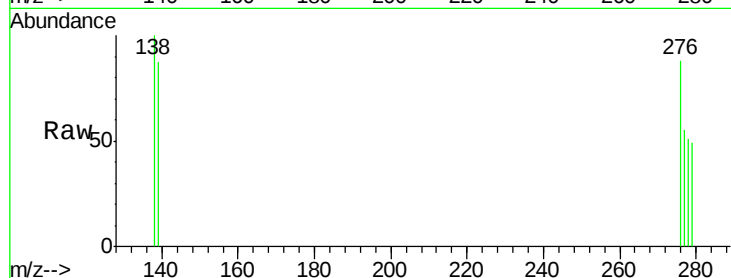
Acq: 19 Feb 2016 18:53

Instrument :

BNA_E

ClientSampleId :

KY038PS027-160217



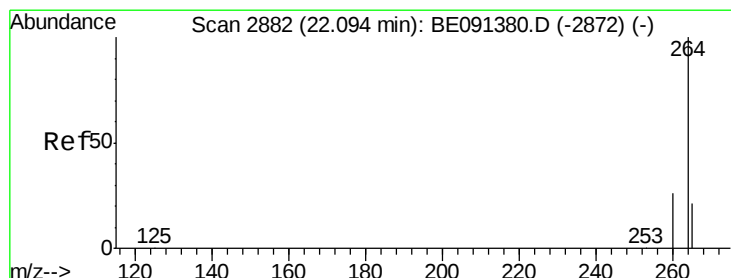
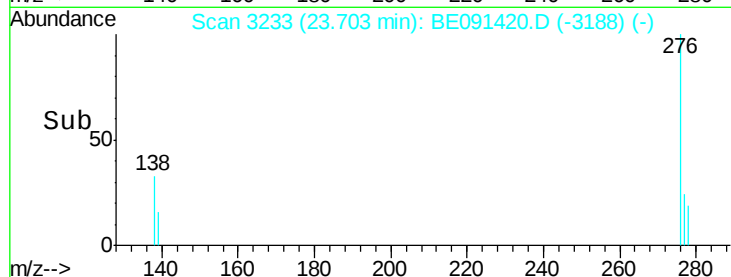
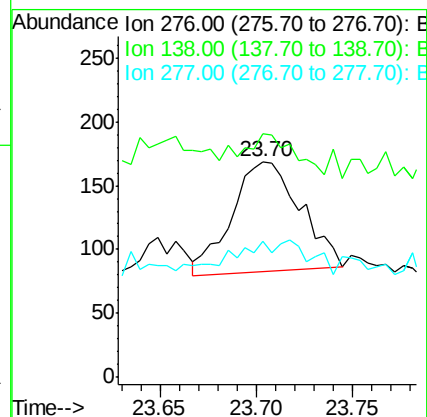
Tgt Ion:276 Resp: 215

Ion Ratio Lower Upper

276 100

138 18.1 16.6 25.0

277 14.9 19.0 28.6#



#24

Perylene-d12

Concen: 5.00 ng

RT: 22.09 min Scan# 2882

Delta R.T. -0.00 min

Lab File: BE091420.D

Acq: 19 Feb 2016 18:53

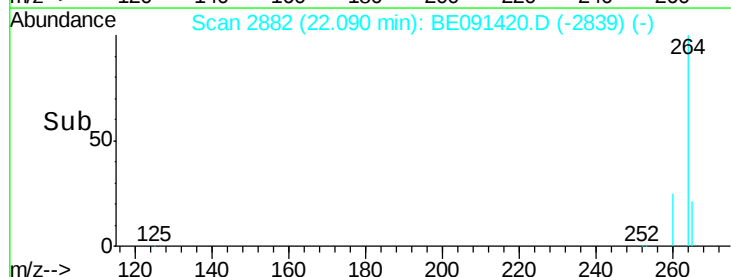
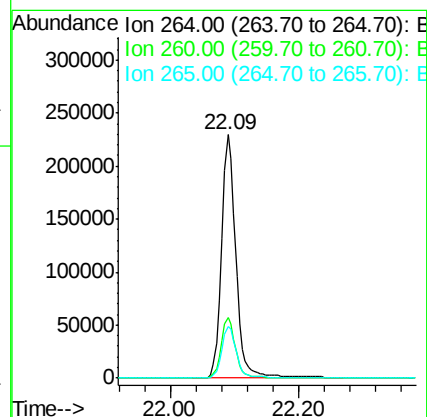
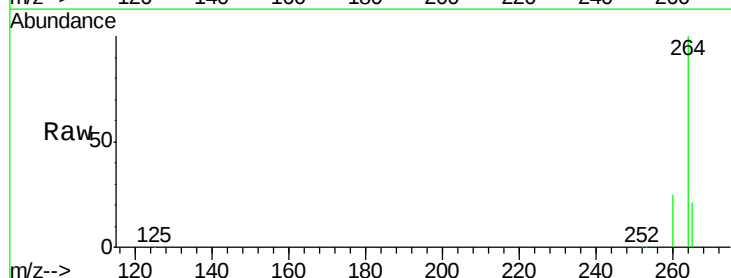
Tgt Ion:264 Resp: 356287

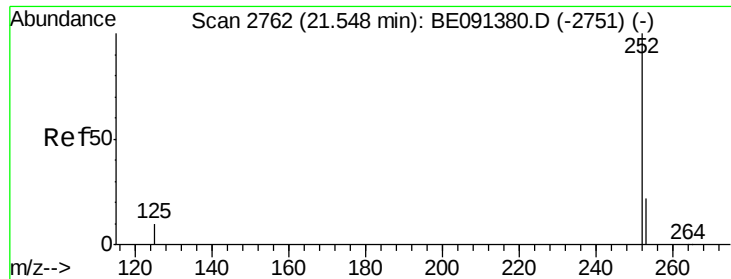
Ion Ratio Lower Upper

264 100

260 25.1 20.7 31.1

265 21.4 17.2 25.8





#25

Benzo(b)fluoranthene

Concen: 0.15 ng

RT: 21.54 min Scan# 2762

Delta R.T. -0.00 min

Lab File: BE091420.D

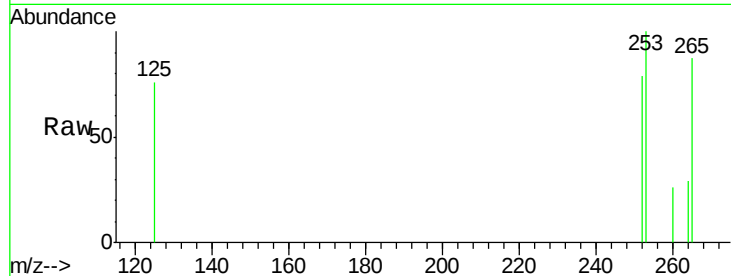
Acq: 19 Feb 2016 18:53

Instrument :

BNA_E

ClientSampleId :

KY038PS027-160217



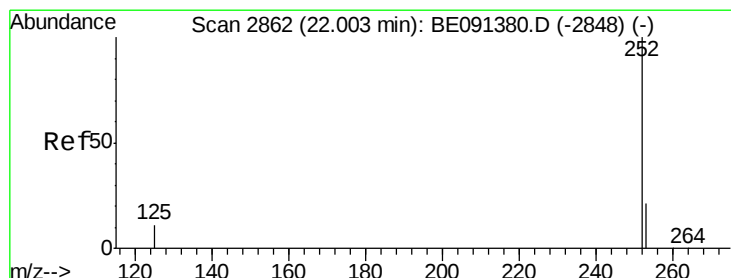
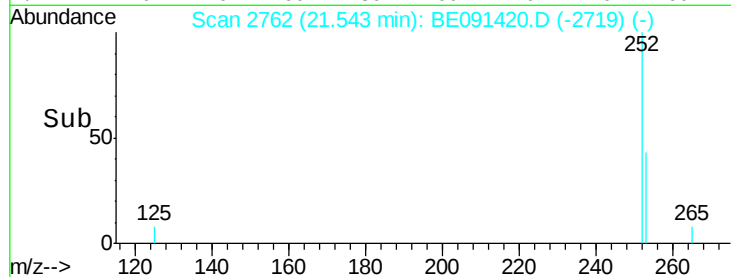
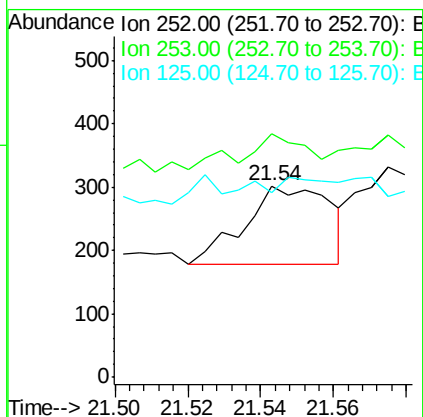
Tgt Ion: 252 Resp: 202

Ion Ratio Lower Upper

252 100

253 127.2 18.2 27.2#

125 96.7 8.3 12.5#



#27

Benzo(a)pyrene

Concen: 0.17 ng

RT: 22.00 min Scan# 2862

Delta R.T. -0.00 min

Lab File: BE091420.D

Acq: 19 Feb 2016 18:53

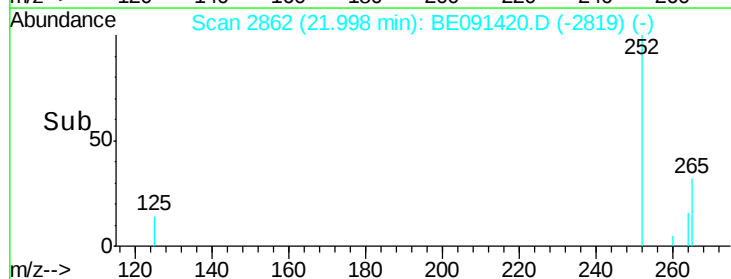
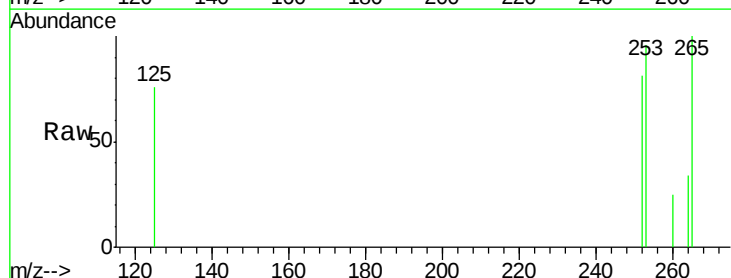
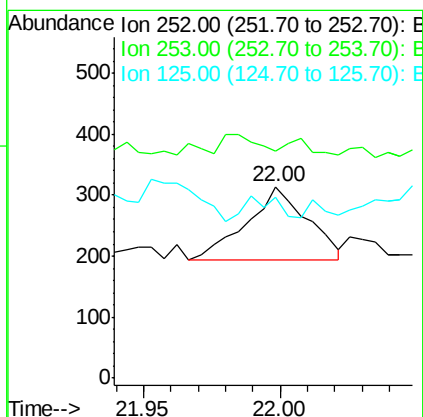
Tgt Ion: 252 Resp: 184

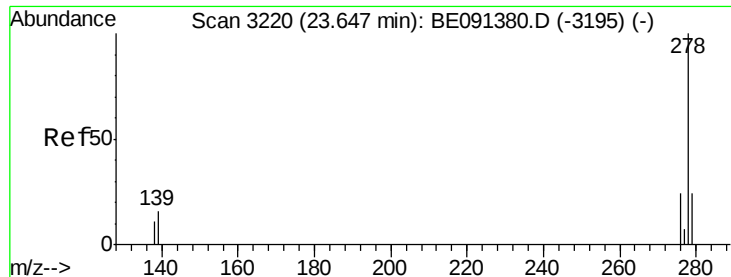
Ion Ratio Lower Upper

252 100

253 118.8 17.5 26.3#

125 94.3 9.4 14.0#





#28

Dibenzo(a,h)anthracene

Concen: 0.25 ng

RT: 23.65 min Scan# 3222

Delta R.T. 0.01 min

Lab File: BE091420.D

Acq: 19 Feb 2016 18:53

Instrument :

BNA_E

ClientSampleId :

KY038PS027-160217

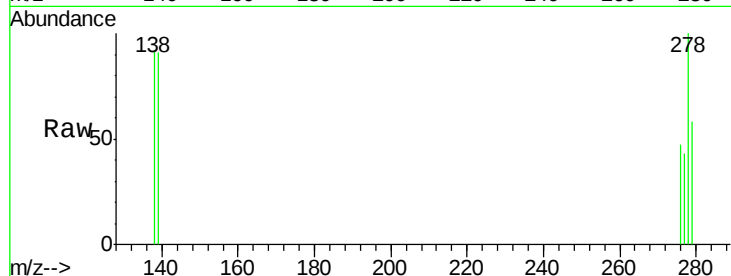
Tgt Ion:278 Resp: 341

Ion Ratio Lower Upper

278 100

139 90.6 13.0 19.4#

279 58.1 19.2 28.8#



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

23.65

200

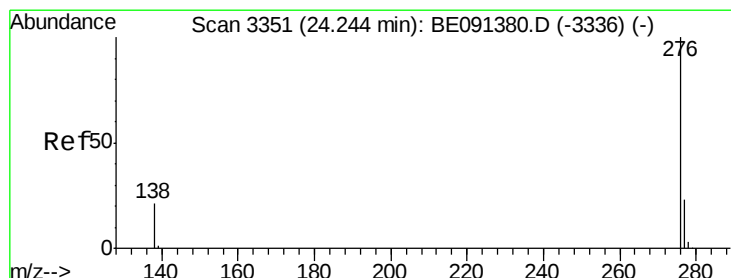
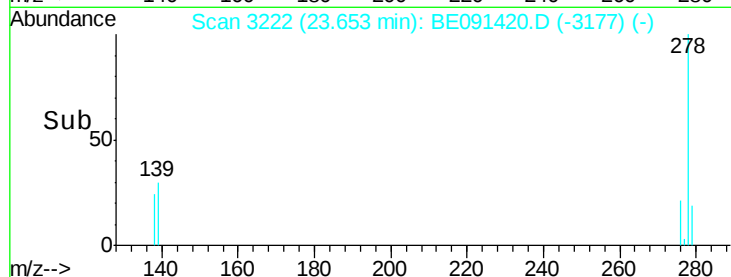
150

100

50

0

Time--> 23.55 23.60 23.65 23.70



#29

Benzo(g,h,i)perylene

Concen: 0.15 ng

RT: 24.25 min Scan# 3353

Delta R.T. 0.01 min

Lab File: BE091420.D

Acq: 19 Feb 2016 18:53

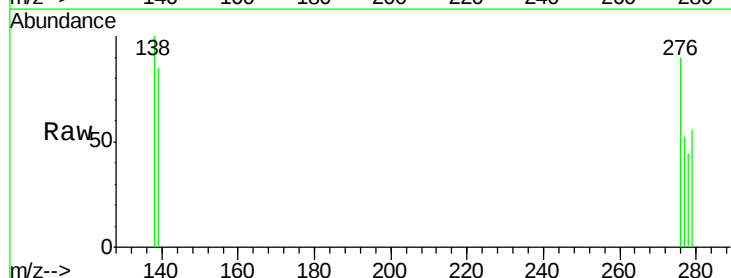
Tgt Ion:276 Resp: 188

Ion Ratio Lower Upper

276 100

277 58.2 18.9 28.3#

138 111.0 17.0 25.6#



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

24.25

200

150

100

50

0

Time--> 24.20 24.25 24.30

