

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE041316\
 Data File : BE091654.D
 Acq On : 13 Apr 2016 13:08
 Operator : UM/SJ
 Sample : H2090-05
 Misc : Four Times Internal standard added
 ALS Vial : 5 Sample Multiplier: 4

Instrument :
 BNA_E
 ClientSampleId :
 KY038PS027-160330

Quant Time: Apr 14 00:51:41 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE040816.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 08 16:48:14 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	130038	5.00	ng	-0.02
7) Naphthalene-d8	10.57	136	615873	5.00	ng	-0.02
13) Acenaphthene-d10	14.42	164	373227	5.00	ng	0.00
19) Phenanthrene-d10	17.15	188	994314	5.00	ng	-0.01
26) Chrysene-d12	21.31	240	1126505	5.00	ng	0.00
35) Perylene-d12	23.76	264	1047337	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.41	112	15752	2.03	ng	0.00
5) Phenol-d6	6.97	99	12855	1.24	ng	0.00
8) Nitrobenzene-d5	8.96	82	28464	3.18	ng	0.00
14) 2,4,6-Tribromophenol	15.90	330	28936	9.18	ng	-0.01
15) 2-Fluorobiphenyl	13.05	172	102428	3.95	ng	0.00
29) Terphenyl-d14	19.76	244	210830	6.00	ng	0.00

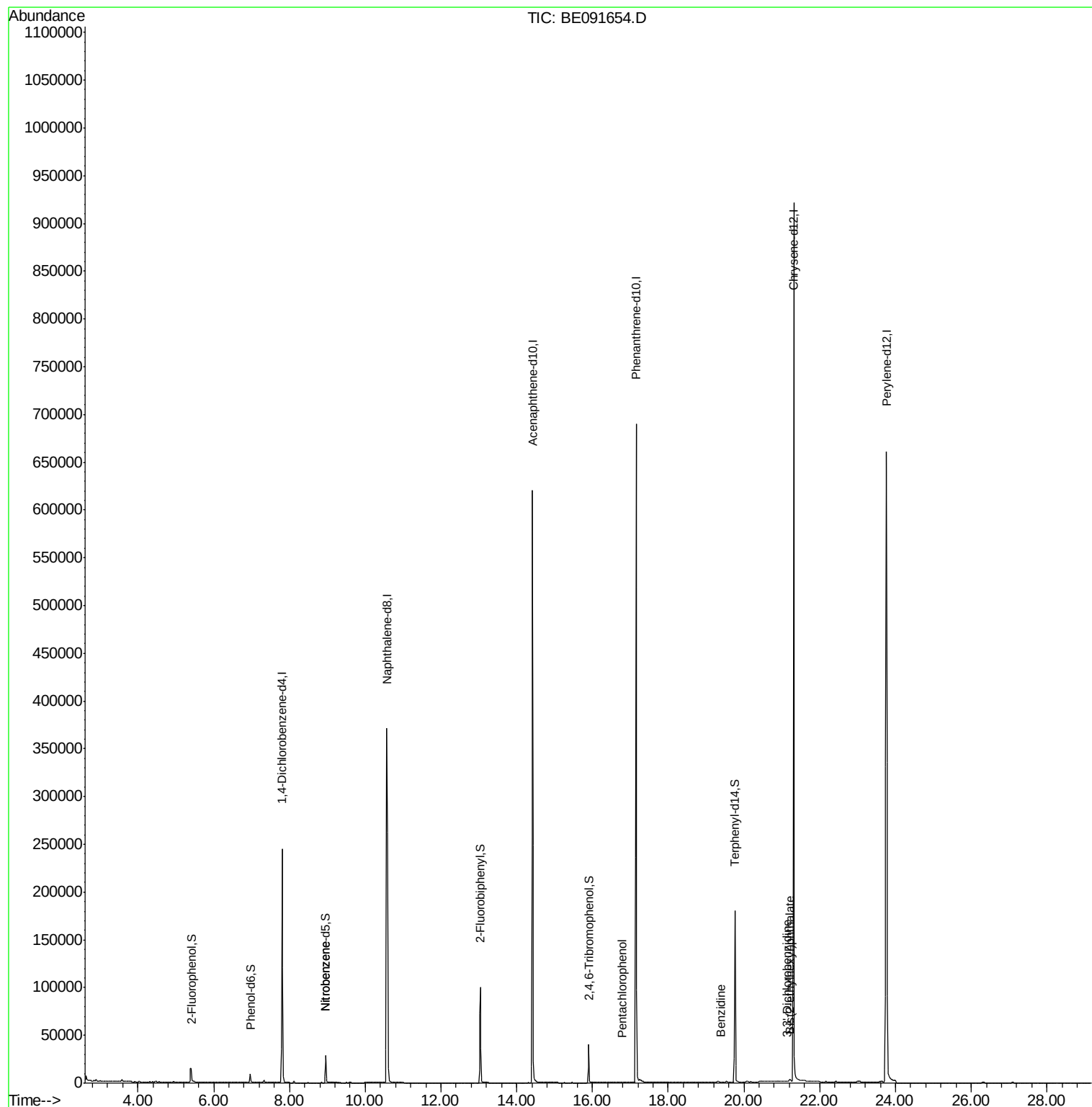
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.35	88	472	Below Cal	#	65
9) Nitrobenzene	8.96	77	105	0.70 ng	#	40
17) Acenaphthene	14.42	154	1600	0.07 ng	#	13
22) Pentachlorophenol	16.79	266	196	0.93 ng		91
23) Phenanthrene	17.29	178	1637	0.03 ng		95
24) Anthracene	17.29	178	1817	0.04 ng		97
27) Benzidine	19.38	184	202	1.33 ng	#	1
30) Benzo(a)anthracene	21.31	228	4127	0.07 ng	#	63
31) 3,3'-Dichlorobenzidine	21.15	252	382	0.66 ng	#	57
32) Chrysene	21.31	228	4152	0.07 ng	#	60
33) Bis(2-ethylhexyl)phthalate	21.22	149	4590	1.15 ng	#	89

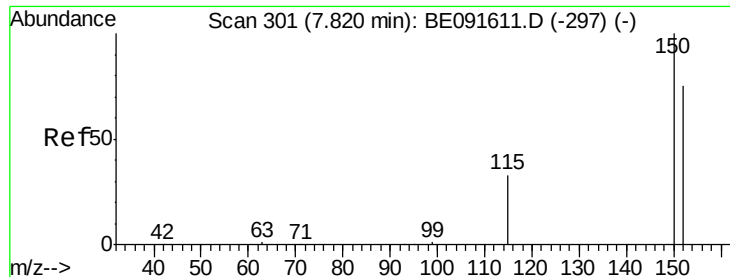
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE041316\
Data File : BE091654.D
Acq On : 13 Apr 2016 13:08
Operator : UM/SJ
Sample : H2090-05
Misc : Four Times Internal standard added
ALS Vial : 5 Sample Multiplier: 4

Instrument :
BNA_E
ClientSampleId :
KY038PS027-160330

Quant Time: Apr 14 00:51:41 2016
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE040816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 08 16:48:14 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.80 min Scan# 300

Delta R.T. -0.02 min

Lab File: BE091654.D

Acq: 13 Apr 2016 13:08

Instrument :

BNA_E

ClientSampleId :

KY038PS027-160330

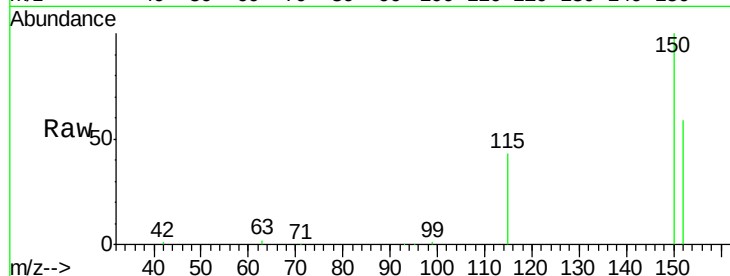
Tgt Ion: 152 Resp: 130038

Ion Ratio Lower Upper

152 100

150 170.8 122.6 183.8

115 73.4 52.8 79.2

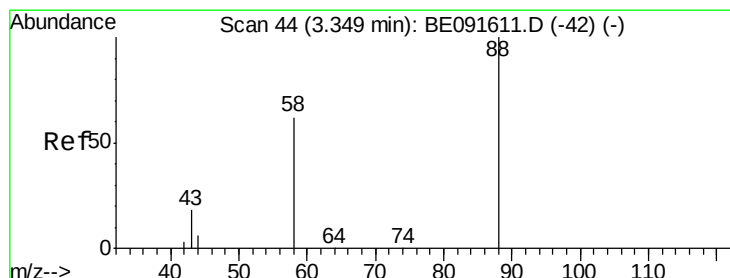
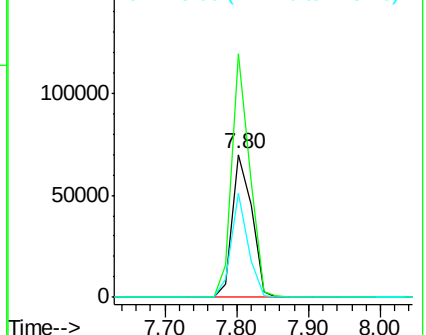
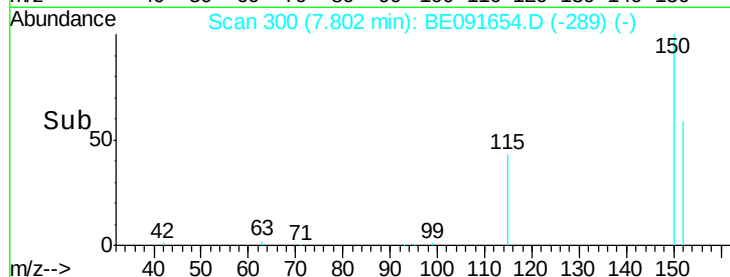


Abundance

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: Below Cal

RT: 3.35 min Scan# 44

Delta R.T. 0.00 min

Lab File: BE091654.D

Acq: 13 Apr 2016 13:08

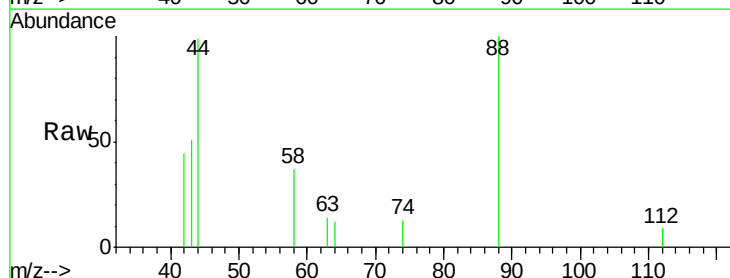
Tgt Ion: 88 Resp: 472

Ion Ratio Lower Upper

88 100

58 55.3 65.8 98.6#

43 57.6 25.3 37.9#

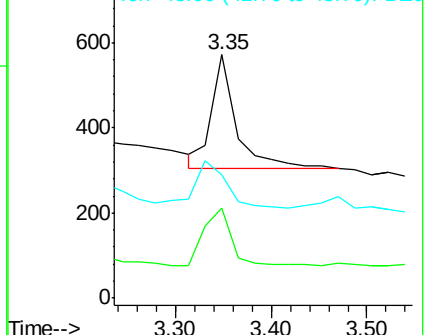
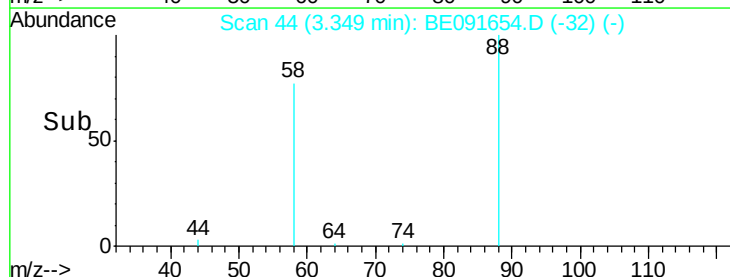


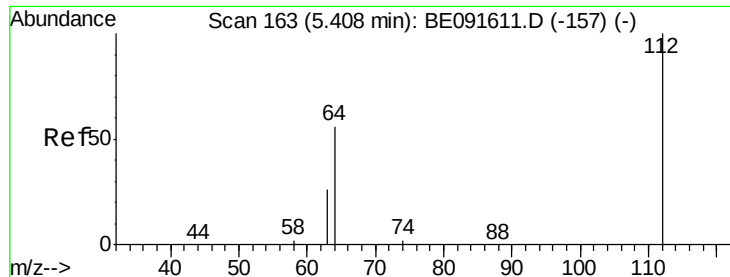
Abundance

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





#4

2-Fluorophenol

Concen: 2.03 ng

RT: 5.41 min Scan# 163

Delta R.T. -0.00 min

Lab File: BE091654.D

Acq: 13 Apr 2016 13:08

Instrument :

BNA_E

ClientSampleId :

KY038PS027-160330

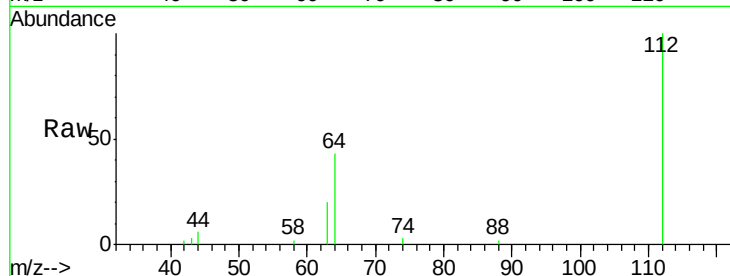
Tgt Ion: 112 Resp: 15752

Ion Ratio Lower Upper

112 100

64 67.8 30.9 46.3#

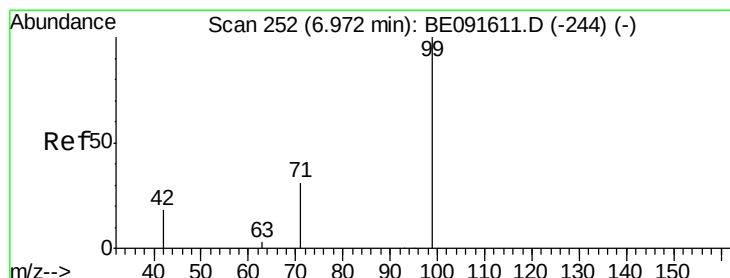
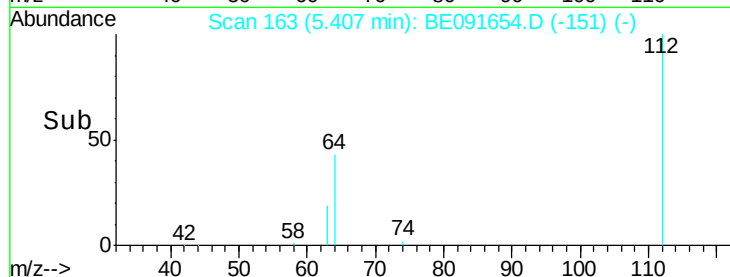
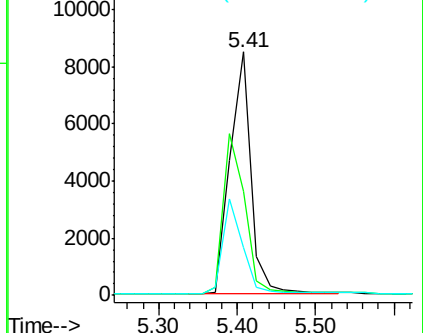
63 36.6 16.7 25.1#



Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0



#5

Phenol-d6

Concen: 1.24 ng

RT: 6.97 min Scan# 252

Delta R.T. -0.00 min

Lab File: BE091654.D

Acq: 13 Apr 2016 13:08

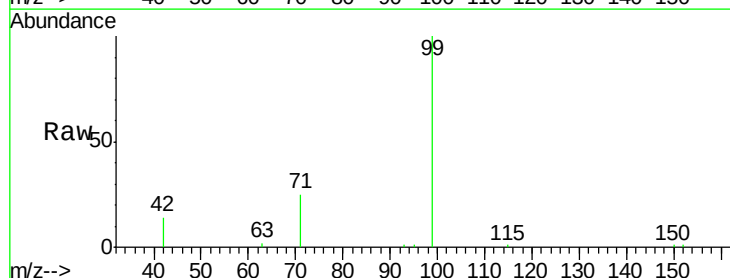
Tgt Ion: 99 Resp: 12855

Ion Ratio Lower Upper

99 100

42 24.8 16.2 24.2#

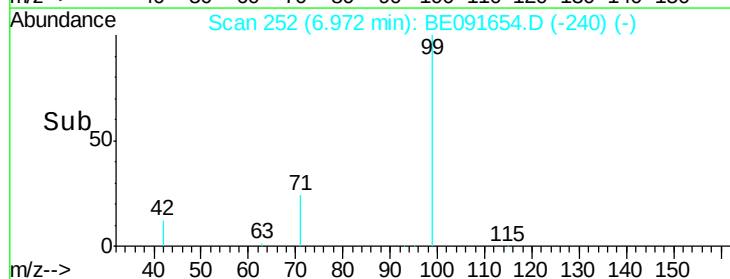
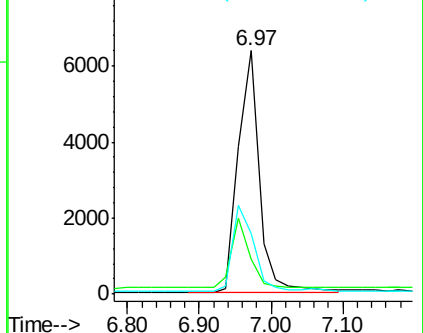
71 37.1 29.0 43.4

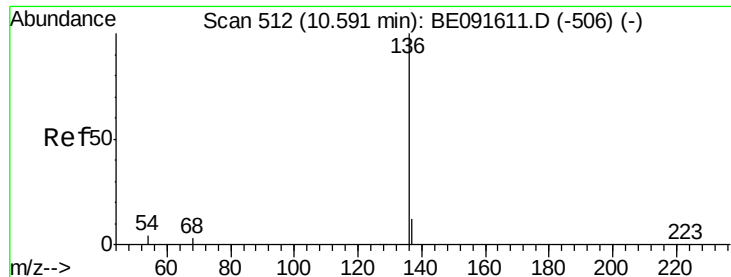


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.57 min Scan# 511

Delta R.T. -0.02 min

Lab File: BE091654.D

Acq: 13 Apr 2016 13:08

Instrument :

BNA_E

ClientSampleId :

KY038PS027-160330

Tgt Ion: 136 Resp: 615873

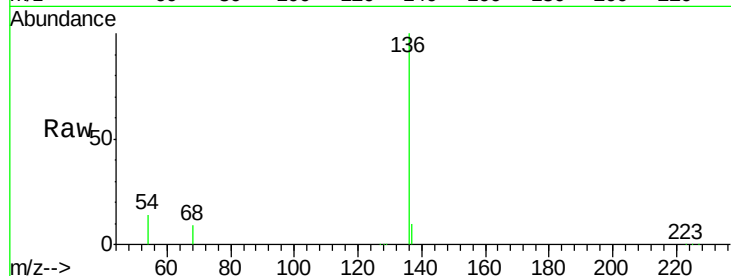
Ion Ratio Lower Upper

136 100

137 10.0 8.9 13.3

54 13.5 8.2 12.4#

68 8.9 6.2 9.4

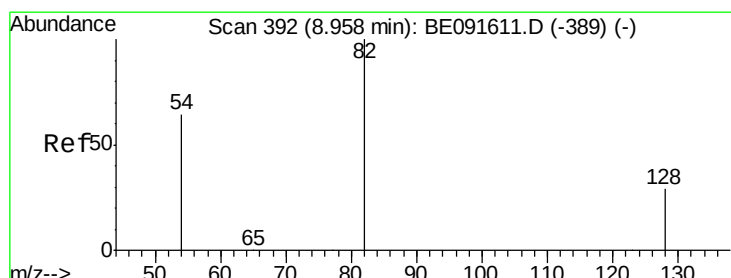
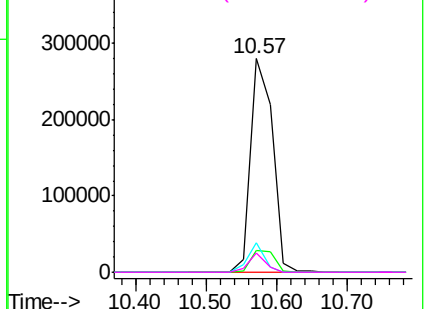
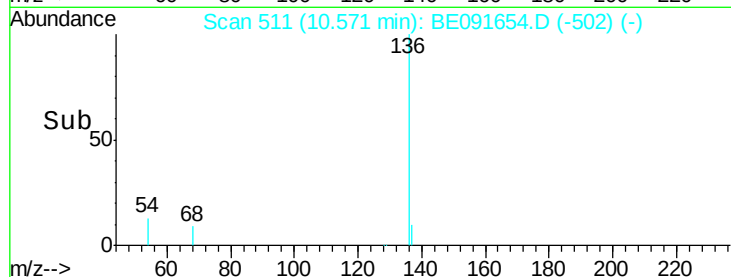


Abundance Ion 136.00 (135.70 to 136.70): E

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: 3.18 ng

RT: 8.96 min Scan# 392

Delta R.T. 0.00 min

Lab File: BE091654.D

Acq: 13 Apr 2016 13:08

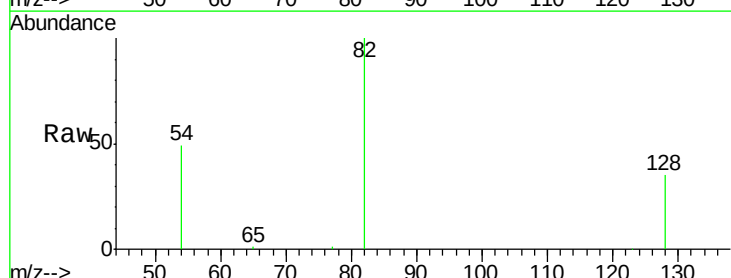
Tgt Ion: 82 Resp: 28464

Ion Ratio Lower Upper

82 100

128 35.2 25.4 38.0

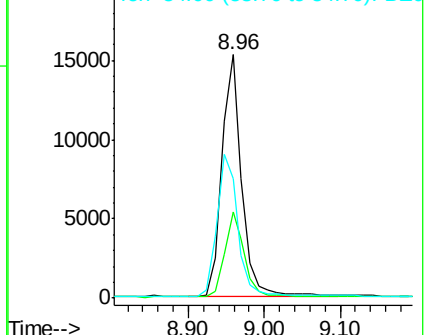
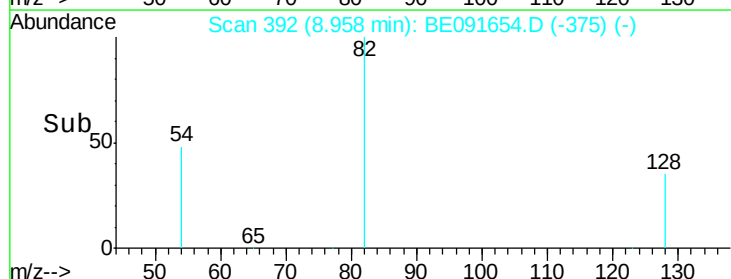
54 48.8 48.4 72.6

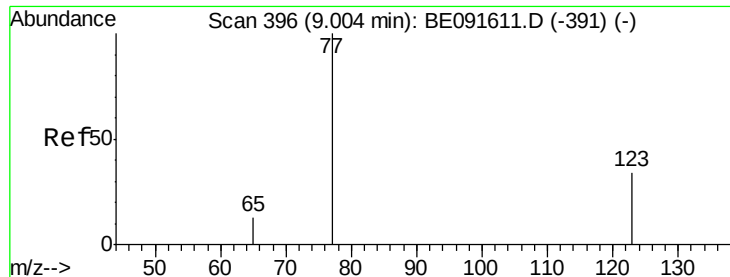


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Nitrobenzene

Concen: 0.70 ng

RT: 8.96 min Scan# 392

Delta R.T. -0.05 min

Lab File: BE091654.D

Acq: 13 Apr 2016 13:08

Instrument :

BNA_E

ClientSampleId :

KY038PS027-160330

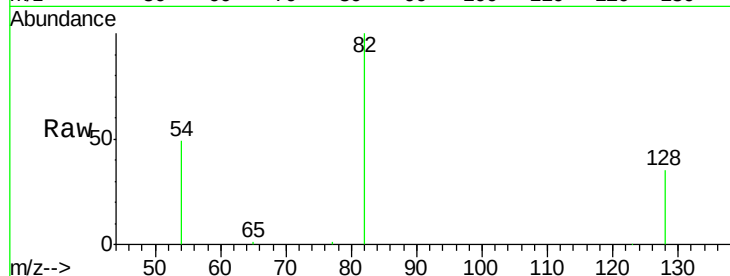
Tgt Ion: 77 Resp: 105

Ion Ratio Lower Upper

77 100

123 0.0 26.9 40.3#

65 36.2 9.4 14.2#



Abundance Ion 77.00 (76.70 to 77.70): BE0

Ion 123.00 (122.70 to 123.70): BE0

Ion 65.00 (64.70 to 65.70): BE0

8.96

150

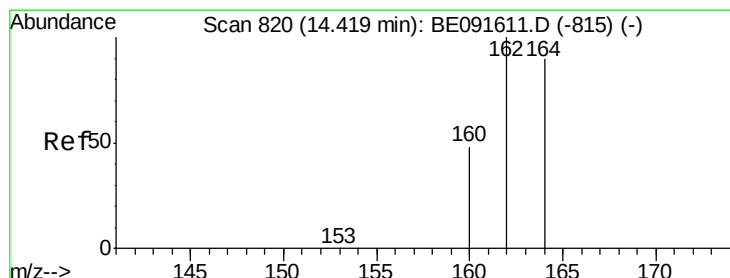
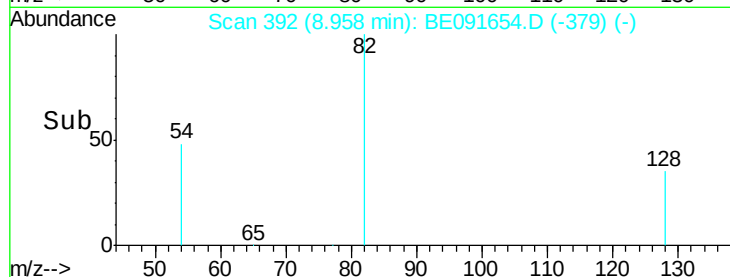
100

50

0

8.90 8.95 9.00 9.05

Time-->



#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.42 min Scan# 820

Delta R.T. 0.00 min

Lab File: BE091654.D

Acq: 13 Apr 2016 13:08

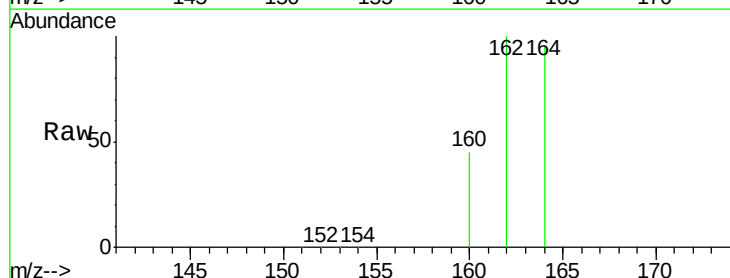
Tgt Ion: 164 Resp: 373227

Ion Ratio Lower Upper

164 100

162 104.8 85.3 127.9

160 47.2 46.2 69.2



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

14.42

300000

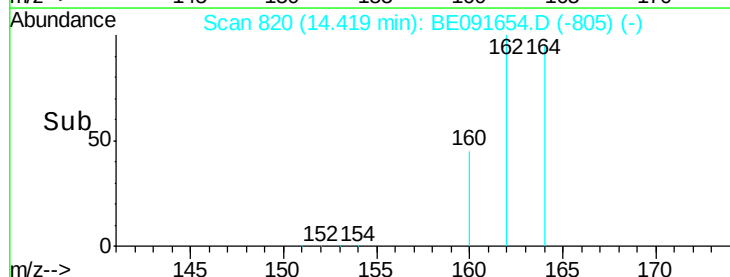
200000

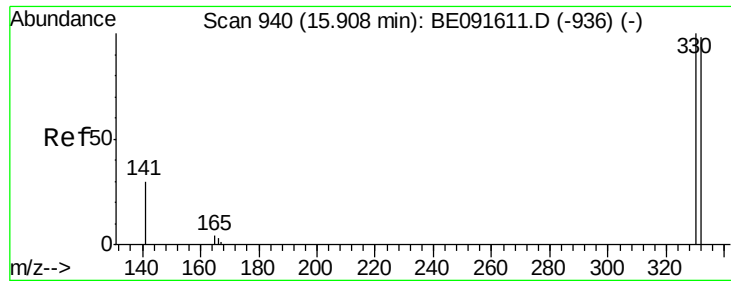
100000

0

14.30 14.40 14.50 14.60

Time-->

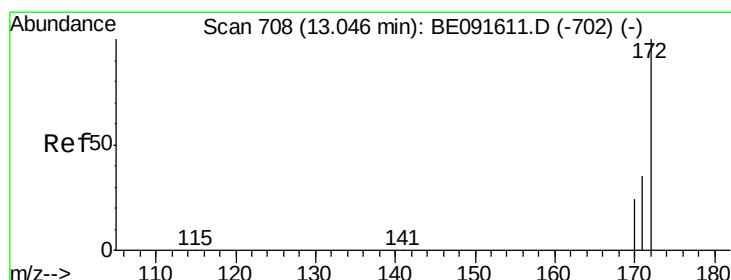
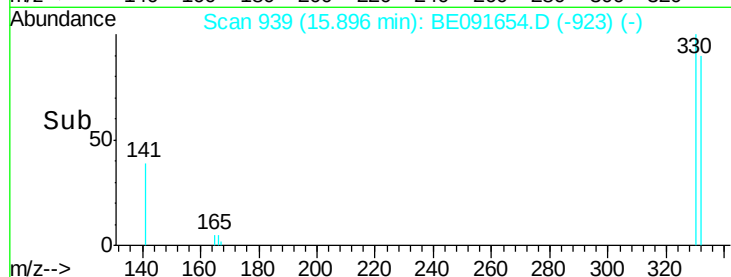
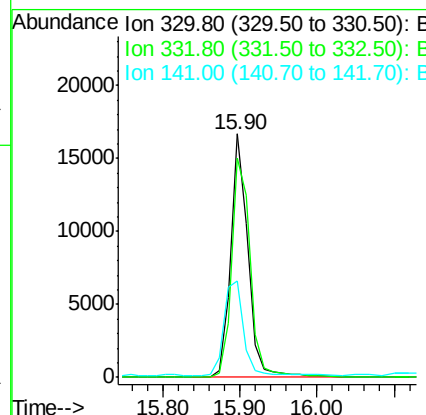
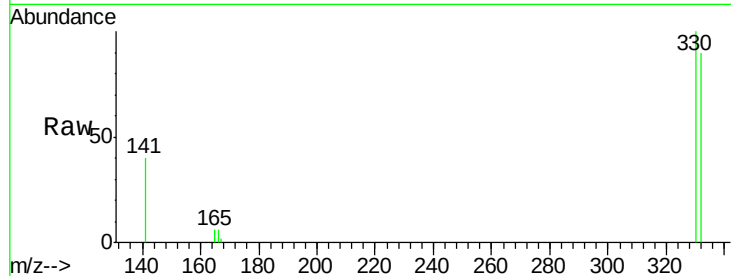




#14
 2,4,6-Tribromophenol
 Concen: 9.18 ng
 RT: 15.90 min Scan# 939
 Delta R.T. -0.01 min
 Lab File: BE091654.D
 Acq: 13 Apr 2016 13:08

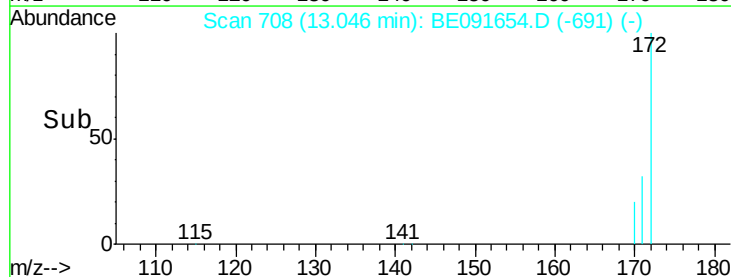
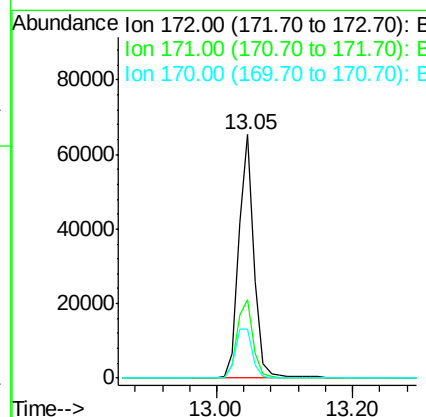
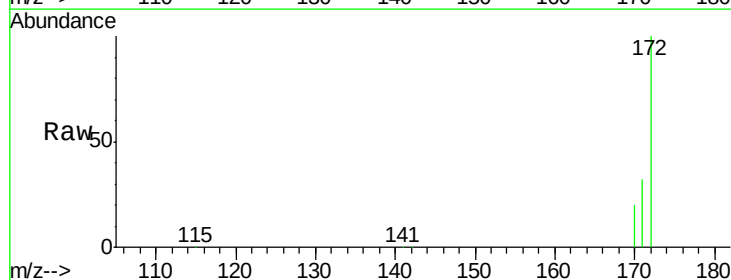
Instrument :
 BNA_E
 ClientSampleId :
 KY038PS027-160330

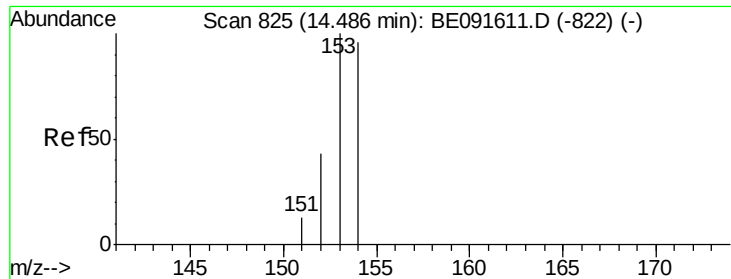
Tgt Ion:330 Resp: 28936
 Ion Ratio Lower Upper
 330 100
 332 98.0 79.1 118.7
 141 44.3 125.4 188.0#



#15
 2-Fluorobiphenyl
 Concen: 3.95 ng
 RT: 13.05 min Scan# 708
 Delta R.T. 0.00 min
 Lab File: BE091654.D
 Acq: 13 Apr 2016 13:08

Tgt Ion:172 Resp: 102428
 Ion Ratio Lower Upper
 172 100
 171 32.1 28.8 43.2
 170 20.3 19.3 28.9





#17

Acenaphthene

Concen: 0.07 ng

RT: 14.42 min Scan# 820

Delta R.T. -0.07 min

Lab File: BE091654.D

Acq: 13 Apr 2016 13:08

Instrument :

BNA_E

ClientSampleId :

KY038PS027-160330

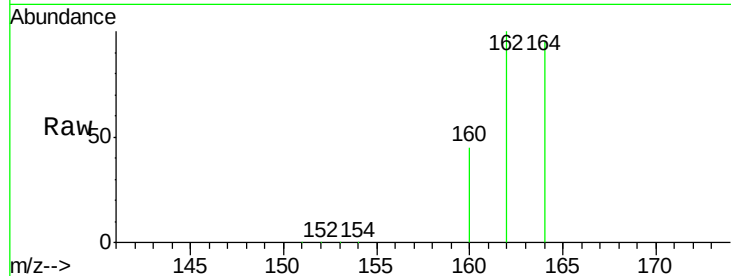
Tgt Ion:154 Resp: 1600

Ion Ratio Lower Upper

154 100

153 5.8 80.0 120.0#

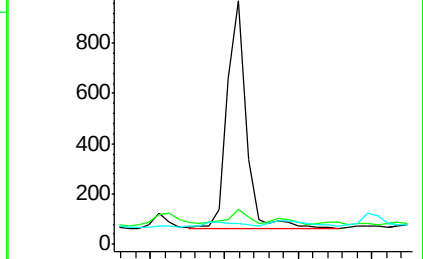
152 0.0 40.0 60.0#



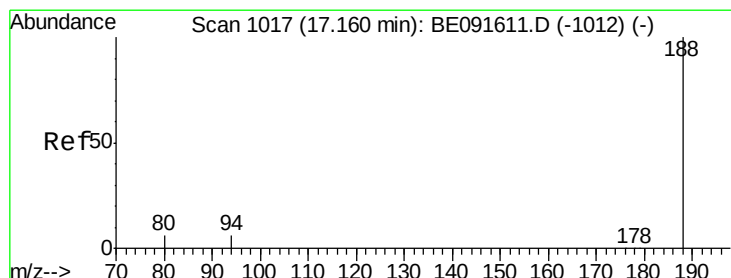
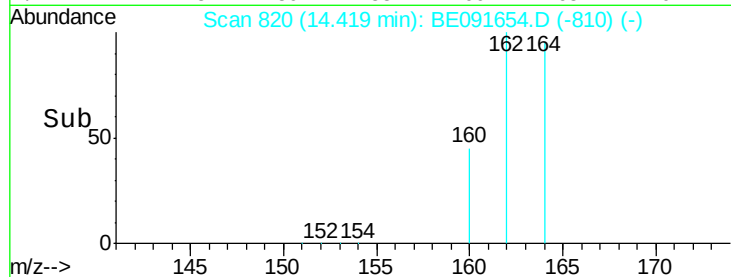
Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



Time-->



#19

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.15 min Scan# 1016

Delta R.T. -0.01 min

Lab File: BE091654.D

Acq: 13 Apr 2016 13:08

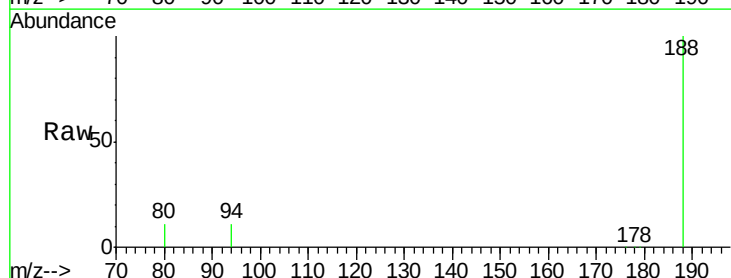
Tgt Ion:188 Resp: 994314

Ion Ratio Lower Upper

188 100

94 11.1 8.7 13.1

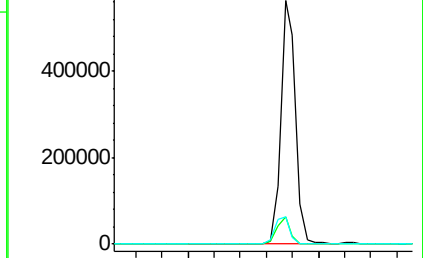
80 11.4 9.4 14.0



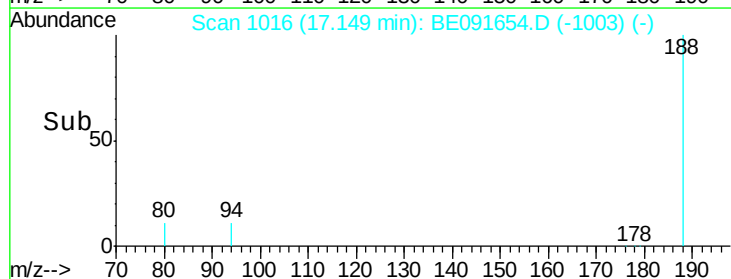
Abundance Ion 188.00 (187.70 to 188.70): E

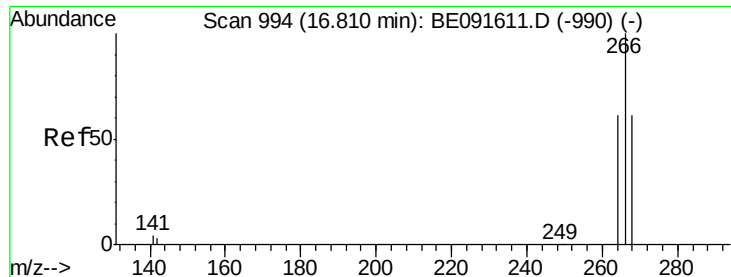
Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



Time-->

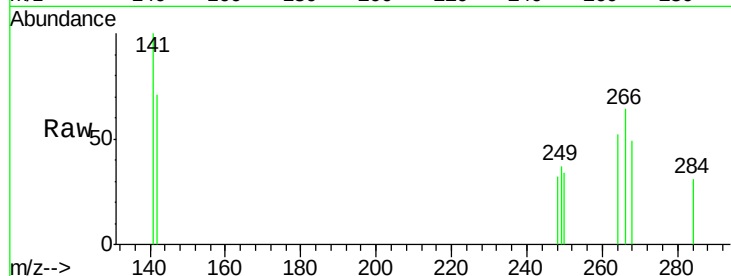




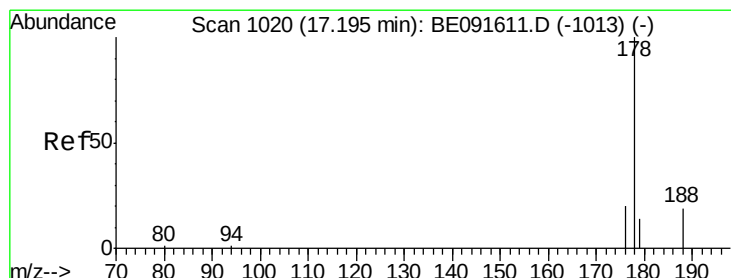
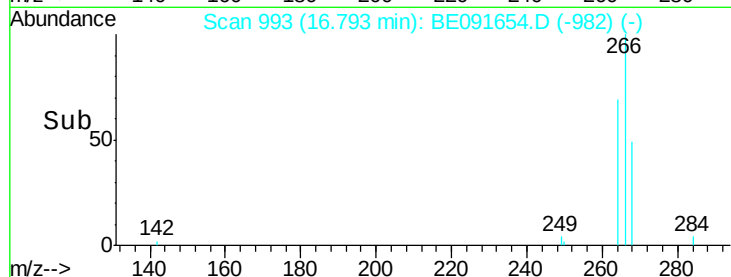
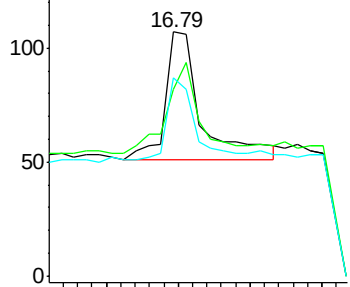
#22
 Pentachlorophenol
 Concen: 0.93 ng
 RT: 16.79 min Scan# 993
 Delta R.T. -0.02 min
 Lab File: BE091654.D
 Acq: 13 Apr 2016 13:08

Instrument :
 BNA_E
 ClientSampleId :
 KY038PS027-160330

Tgt Ion: 266 Resp: 196
 Ion Ratio Lower Upper
 266 100
 268 76.6 58.2 87.2
 264 81.3 56.2 84.4

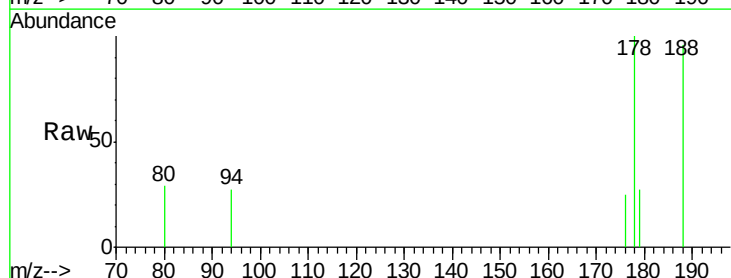


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

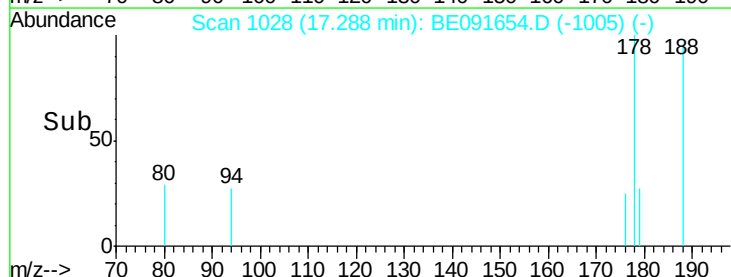
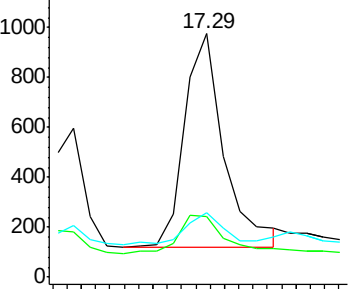


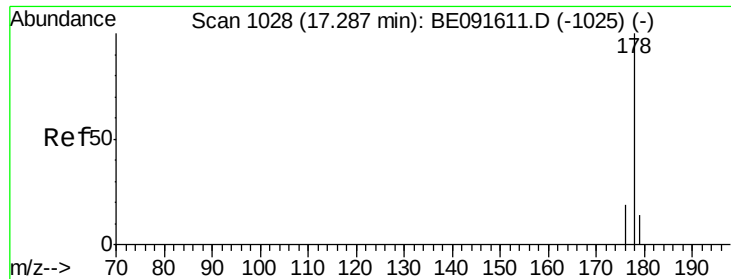
#23
 Phenanthrene
 Concen: 0.03 ng
 RT: 17.29 min Scan# 1028
 Delta R.T. 0.09 min
 Lab File: BE091654.D
 Acq: 13 Apr 2016 13:08

Tgt Ion: 178 Resp: 1637
 Ion Ratio Lower Upper
 178 100
 176 17.5 15.3 22.9
 179 12.6 12.6 18.8



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

Anthracene

Concen: 0.04 ng

RT: 17.29 min Scan# 1028

Delta R.T. 0.00 min

Lab File: BE091654.D

Acq: 13 Apr 2016 13:08

Instrument :

BNA_E

ClientSampleId :

KY038PS027-160330

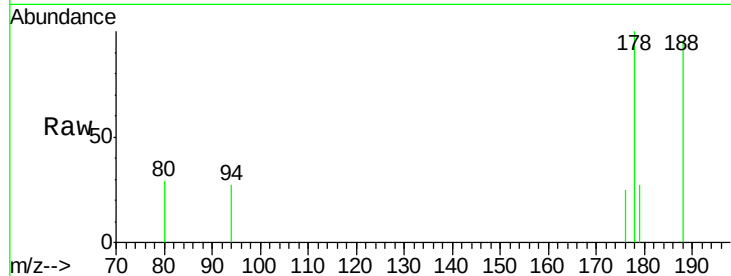
Tgt Ion:178 Resp: 1817

Ion Ratio Lower Upper

178 100

176 19.6 14.6 21.8

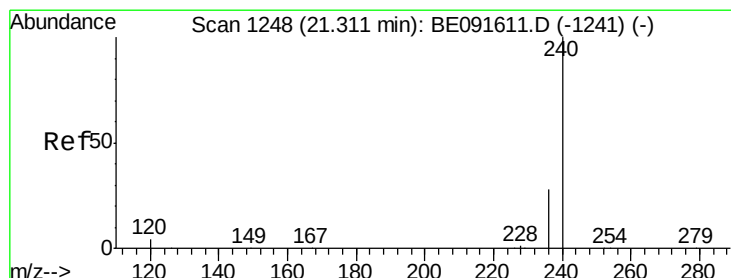
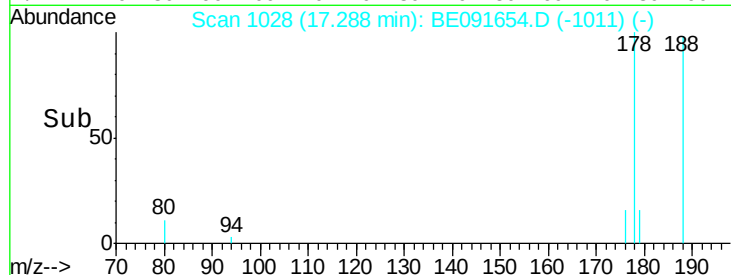
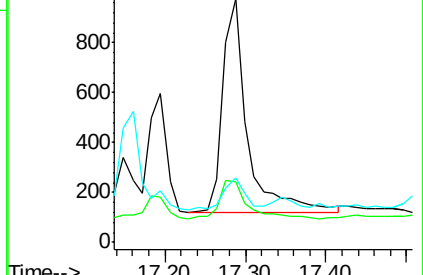
179 13.9 11.8 17.6



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



#26

Chrysene-d12

Concen: 5.00 ng

RT: 21.31 min Scan# 1248

Delta R.T. 0.00 min

Lab File: BE091654.D

Acq: 13 Apr 2016 13:08

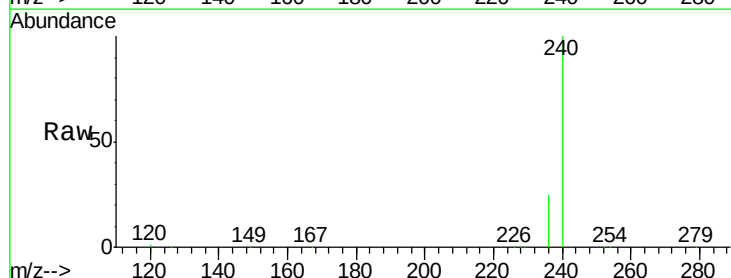
Tgt Ion:240 Resp: 1126505

Ion Ratio Lower Upper

240 100

120 1.4 11.0 16.4#

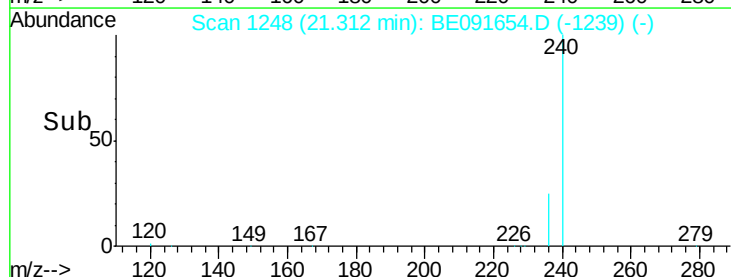
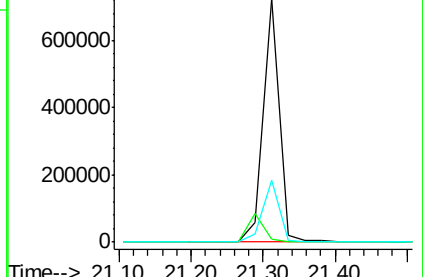
236 25.4 21.7 32.5

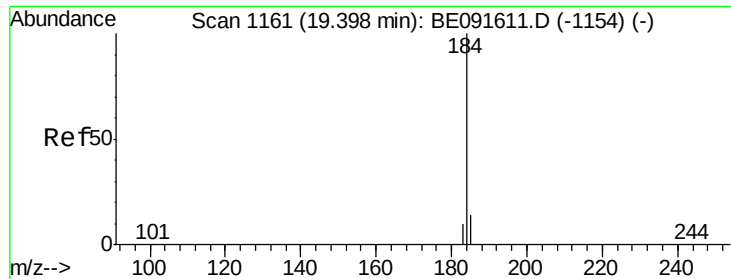


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

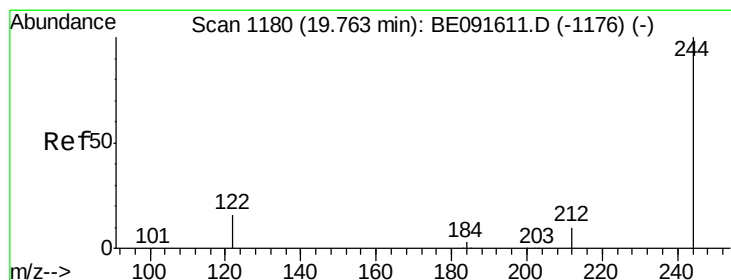
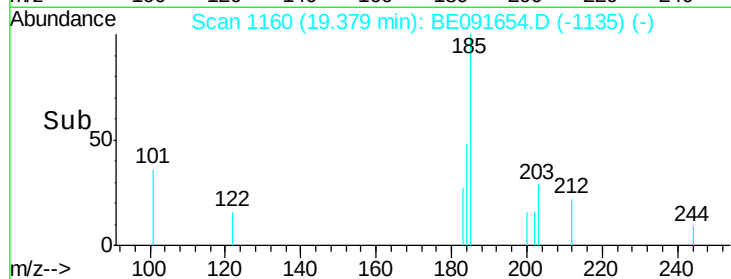
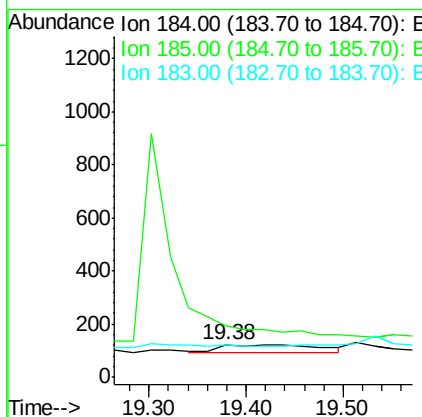
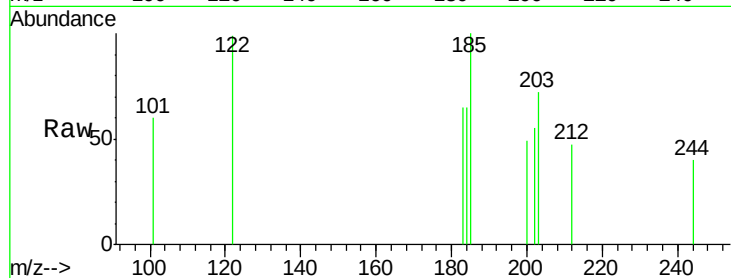




#27
Benzidine
Concen: 1.33 ng
RT: 19.38 min Scan# 1160
Delta R.T. -0.02 min
Lab File: BE091654.D
Acq: 13 Apr 2016 13:08

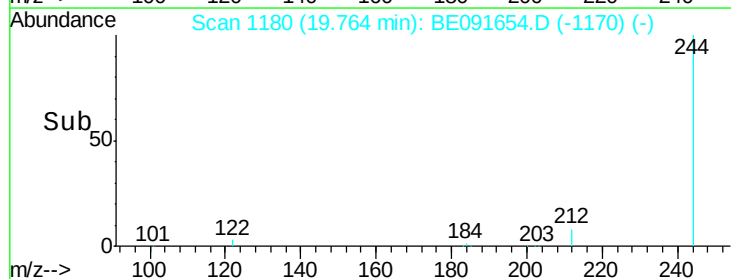
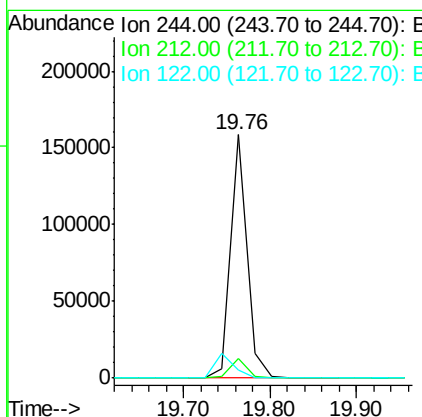
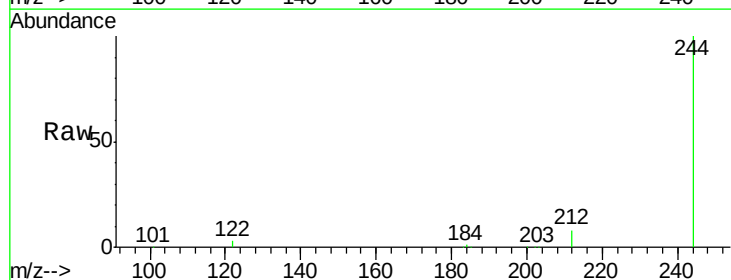
Instrument :
BNA_E
ClientSampleId :
KY038PS027-160330

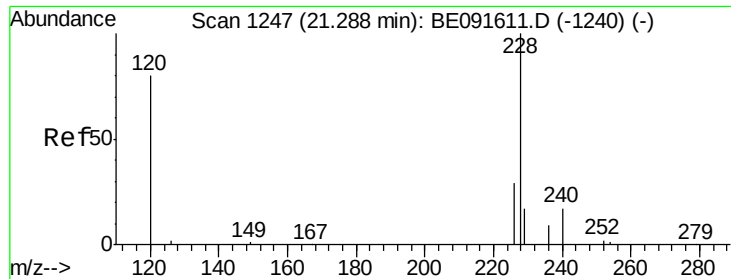
Tgt Ion:184 Resp: 202
Ion Ratio Lower Upper
184 100
185 154.8 22.3 33.5#
183 100.0 16.4 24.6#



#29
Terphenyl-d14
Concen: 6.00 ng
RT: 19.76 min Scan# 1180
Delta R.T. 0.00 min
Lab File: BE091654.D
Acq: 13 Apr 2016 13:08

Tgt Ion:244 Resp: 210830
Ion Ratio Lower Upper
244 100
212 8.2 6.9 10.3
122 3.3 11.0 16.4#





#30

Benzo(a)anthracene

Concen: 0.07 ng

RT: 21.31 min Scan# 1248

Delta R.T. 0.02 min

Lab File: BE091654.D

Acq: 13 Apr 2016 13:08

Instrument :

BNA_E

ClientSampleId :

KY038PS027-160330

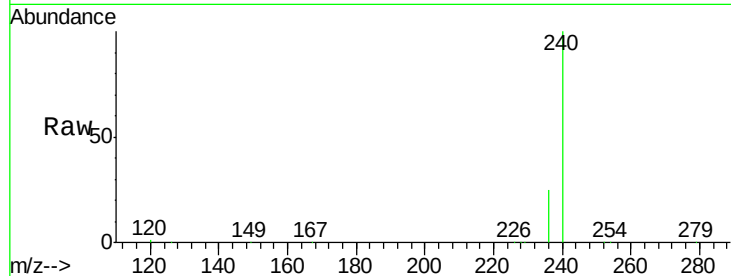
Tgt Ion:228 Resp: 4127

Ion Ratio Lower Upper

228 100

226 12.3 21.0 31.4#

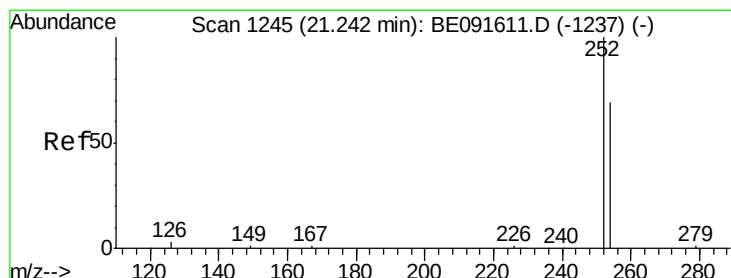
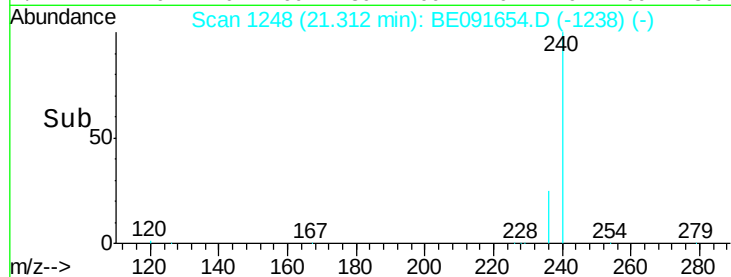
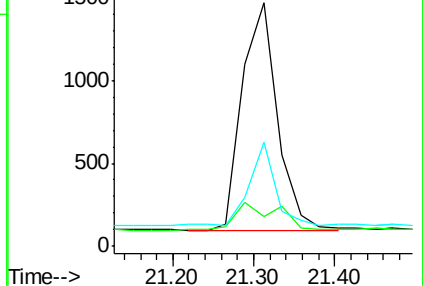
229 42.8 15.7 23.5#



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



#31

3,3'-Dichlorobenzidine

Concen: 0.66 ng

RT: 21.15 min Scan# 1241

Delta R.T. -0.09 min

Lab File: BE091654.D

Acq: 13 Apr 2016 13:08

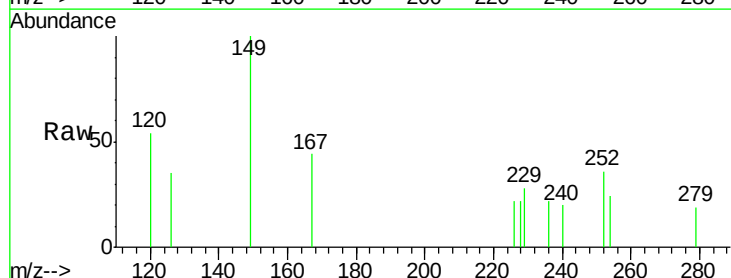
Tgt Ion:252 Resp: 382

Ion Ratio Lower Upper

252 100

254 68.3 51.1 76.7

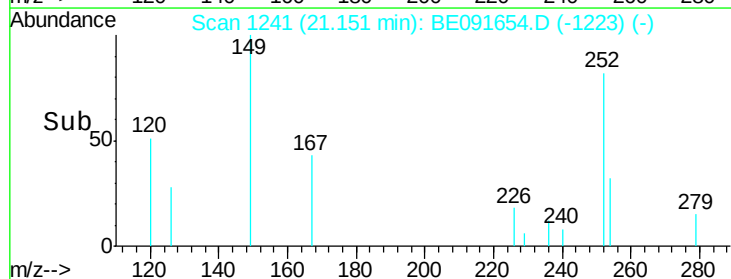
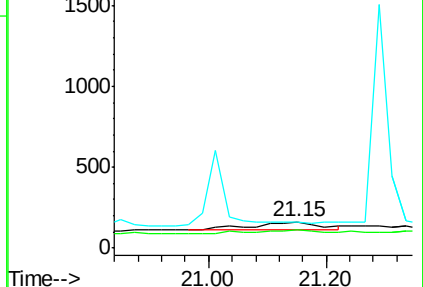
126 98.8 12.6 18.8#

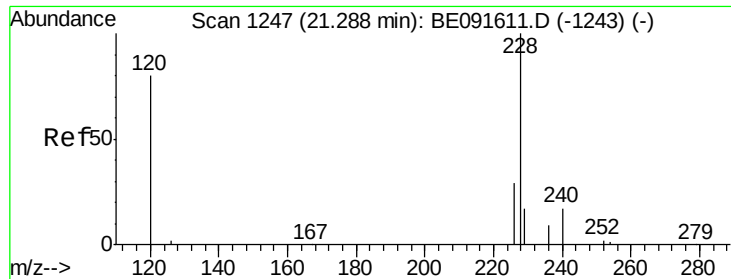


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#32

Chrysene

Concen: 0.07 ng

RT: 21.31 min Scan# 1248

Delta R.T. -0.05 min

Lab File: BE091654.D

Acq: 13 Apr 2016 13:08

Instrument :

BNA_E

ClientSampleId :

KY038PS027-160330

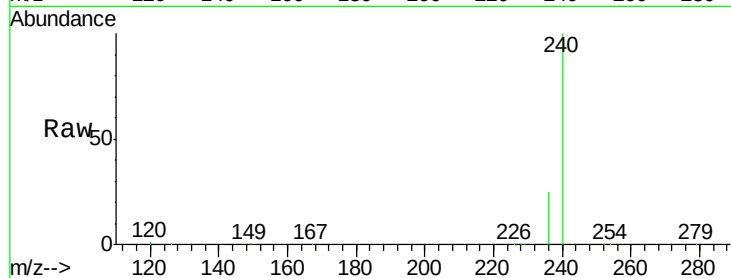
Tgt Ion:228 Resp: 4152

Ion Ratio Lower Upper

228 100

226 12.3 24.0 36.0#

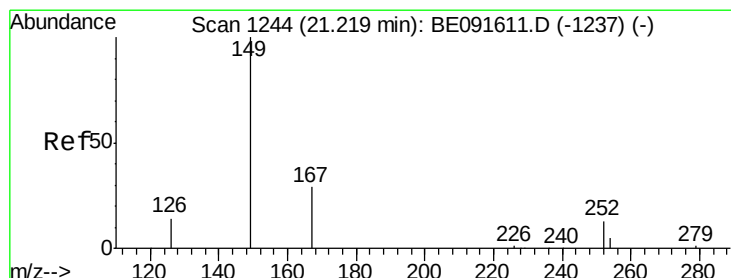
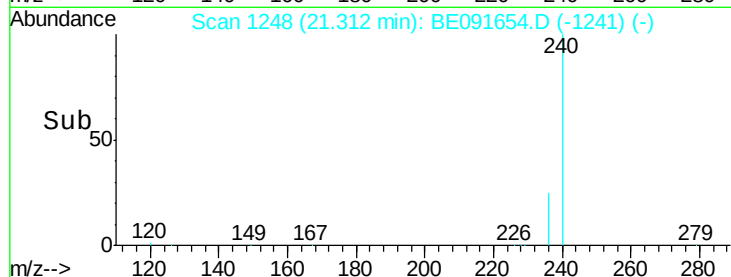
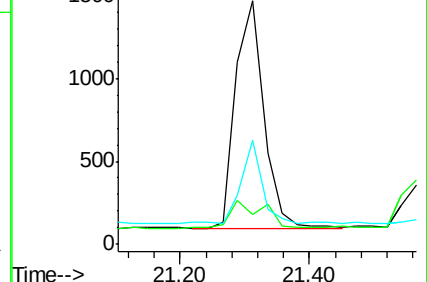
229 42.8 15.9 23.9#



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



#33

Bis(2-ethylhexyl)phthalate

Concen: 1.15 ng

RT: 21.22 min Scan# 1244

Delta R.T. 0.00 min

Lab File: BE091654.D

Acq: 13 Apr 2016 13:08

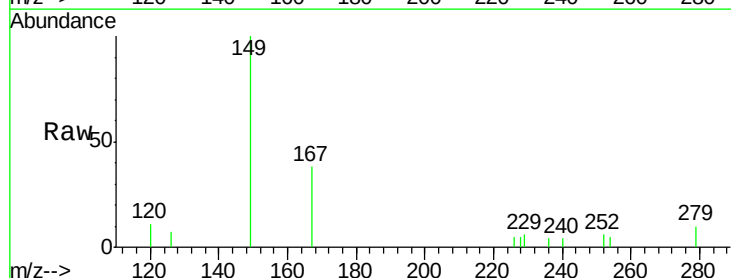
Tgt Ion:149 Resp: 4590

Ion Ratio Lower Upper

149 100

167 27.6 19.5 29.3

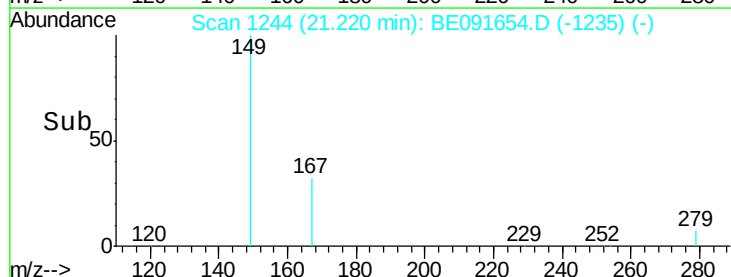
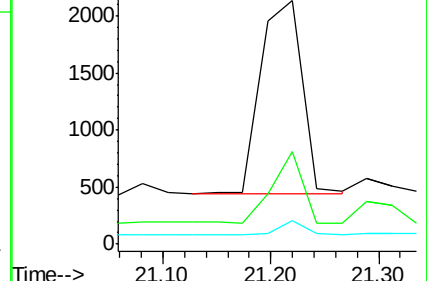
279 4.5 10.0 15.0#

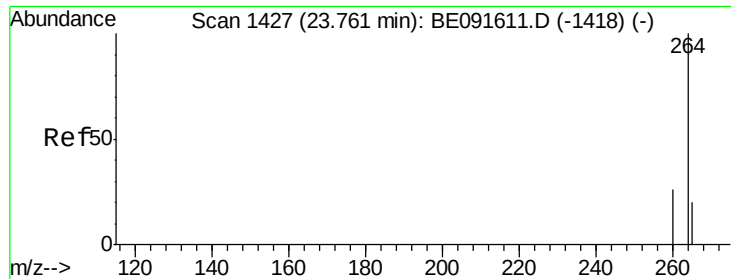


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#35

Perylene-d12

Concen: 5.00 ng

RT: 23.76 min Scan# 1427

Delta R.T. 0.00 min

Lab File: BE091654.D

Acq: 13 Apr 2016 13:08

Instrument :

BNA_E

ClientSampleId :

KY038PS027-160330

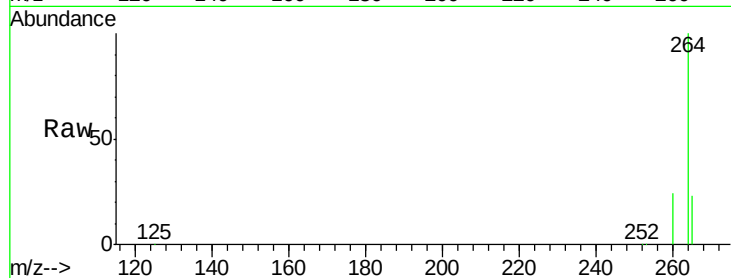
Tgt Ion:264 Resp: 1047337

Ion Ratio Lower Upper

264 100

260 24.0 20.0 30.0

265 22.8 17.5 26.3



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

