

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE062915\
 Data File : BE090005.D
 Acq On : 30 Jun 2015 6:31
 Operator : TP/IZ
 Sample : G2810-23
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 X1SB0530204-150625

Quant Time: Jun 30 07:21:34 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-SIM-BE062915.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 30 07:01:01 2015
 Response via : Initial Calibration

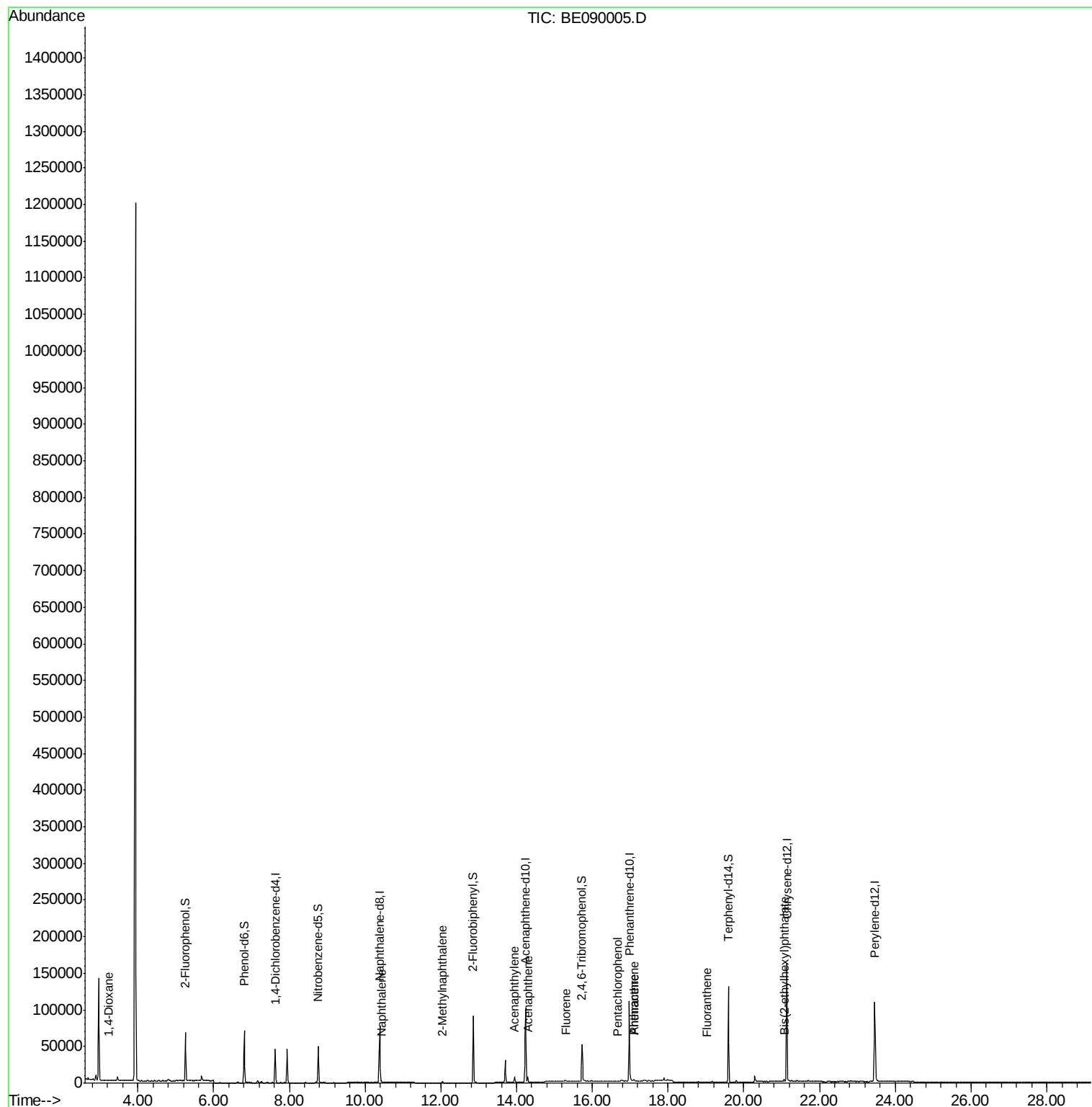
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	21631	5.00	ng	0.00
6) Naphthalene-d8	10.39	136	102115	5.00	ng	0.00
12) Acenaphthene-d10	14.24	164	61232	5.00	ng	0.00
18) Phenanthrene-d10	16.98	188	140931	5.00	ng	0.00
25) Chrysene-d12	21.13	240	155004	5.00	ng	0.00
32) Perylene-d12	23.46	264	154117	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.26	112	44594	8.97	ng	0.00
5) Phenol-d6	6.81	99	69947	10.06	ng	0.00
7) Nitrobenzene-d5	8.76	82	41074	5.06	ng	0.00
13) 2,4,6-Tribromophenol	15.73	330	21995	12.26	ng	0.00
14) 2-Fluorobiphenyl	12.86	172	87349	4.75	ng	0.00
27) Terphenyl-d14	19.59	244	134344	5.20	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.24	88	65	0.02	ng	# 1
9) Naphthalene	10.43	128	3386	0.15	ng	# 92
11) 2-Methylnaphthalene	12.05	142	1929	0.13	ng	95
15) Acenaphthylene	13.95	152	9704	0.09	ng	100
16) Acenaphthene	14.30	154	1337	0.08	ng	98
17) Fluorene	15.29	166	1605	0.07	ng	# 96
21) Pentachlorophenol	16.67	266	17	0.26	ng	# 61
22) Phenanthrene	17.10	178	1598	0.04	ng	99
23) Anthracene	17.10	178	1615	0.05	ng	97
24) Fluoranthene	19.02	202	864	0.02	ng	# 76
30) Bis(2-ethylhexyl)phthalate	21.07	149	2555	0.44	ng	# 98

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

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QLast Update : Tue Jun 30 07:01:01 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.63 min Scan# 855

Delta R.T. 0.00 min

Lab File: BE090005.D

Acq: 30 Jun 2015 6:31

Instrument :

BNA_E

ClientSampleId :

X1SB0530204-150625

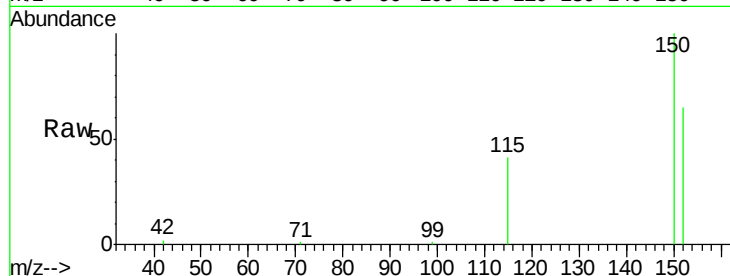
Tgt Ion:152 Resp: 21631

Ion Ratio Lower Upper

152 100

150 152.9 123.9 185.9

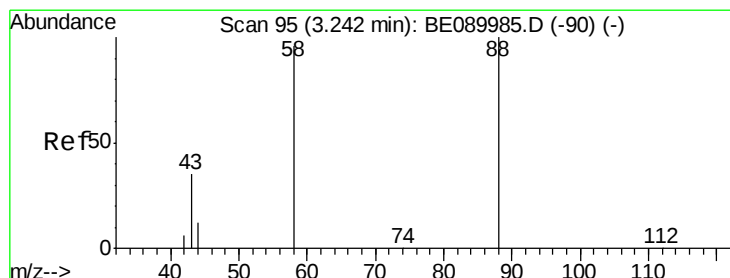
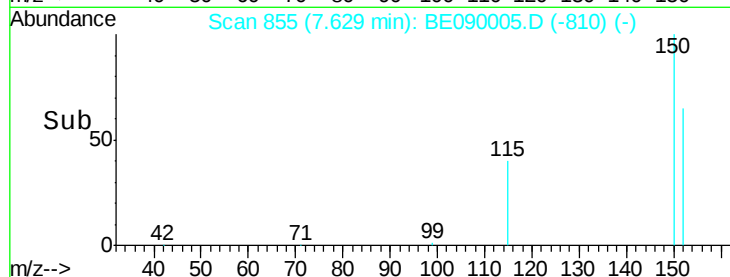
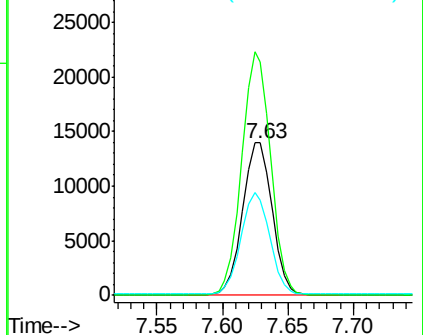
115 62.5 50.6 76.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 0.02 ng

RT: 3.24 min Scan# 94

Delta R.T. -0.00 min

Lab File: BE090005.D

Acq: 30 Jun 2015 6:31

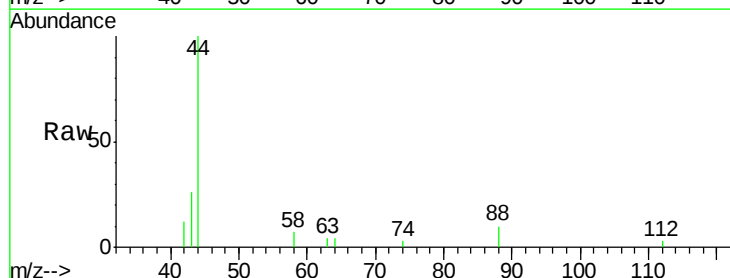
Tgt Ion: 88 Resp: 65

Ion Ratio Lower Upper

88 100

58 43.1 70.9 106.3#

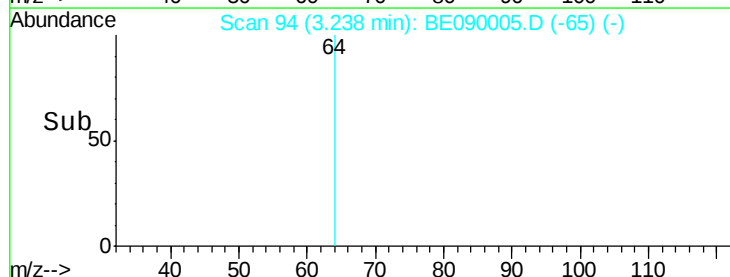
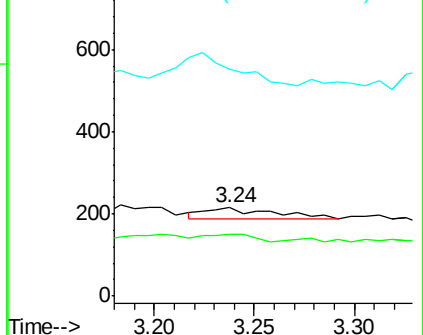
43 252.3 27.6 41.4#

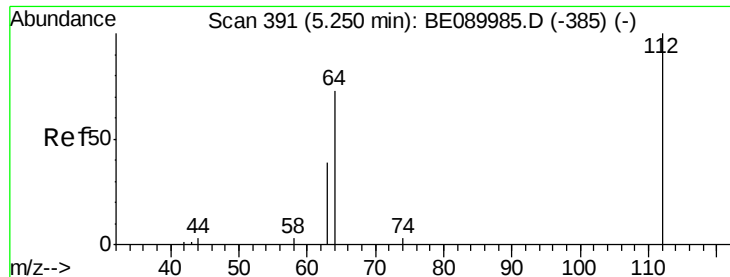


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#4

2-Fluorophenol

Concen: 8.97 ng

RT: 5.26 min Scan# 392

Delta R.T. 0.01 min

Lab File: BE090005.D

Acq: 30 Jun 2015 6:31

Instrument :

BNA_E

ClientSampleId :

X1SB0530204-150625

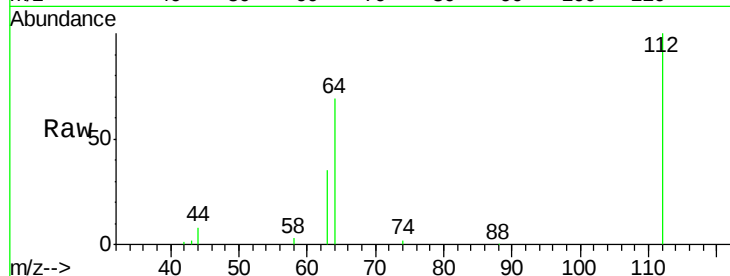
Tgt Ion: 112 Resp: 44594

Ion Ratio Lower Upper

112 100

64 72.3 56.3 84.5

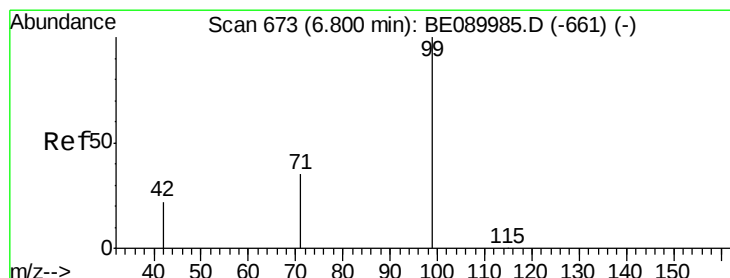
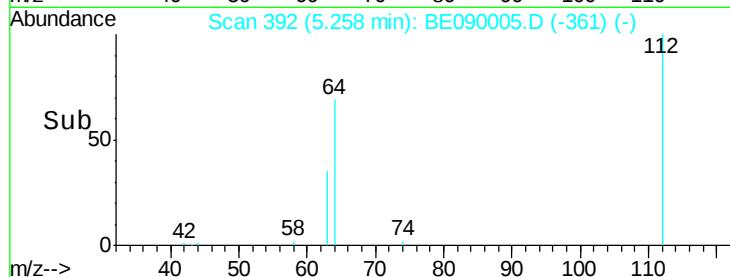
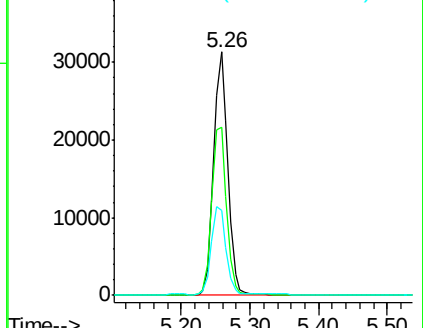
63 37.3 29.8 44.6



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: 10.06 ng

RT: 6.81 min Scan# 675

Delta R.T. 0.01 min

Lab File: BE090005.D

Acq: 30 Jun 2015 6:31

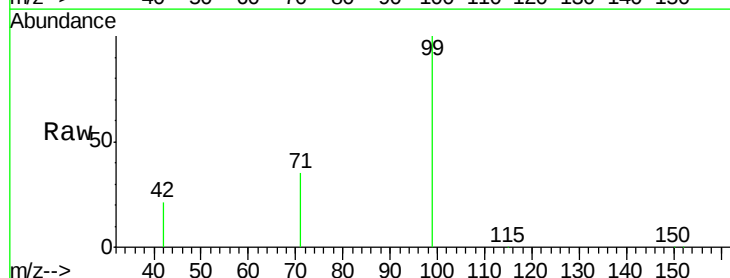
Tgt Ion: 99 Resp: 69947

Ion Ratio Lower Upper

99 100

42 21.5 18.7 28.1

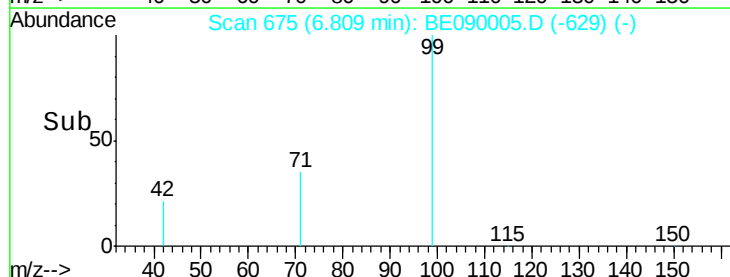
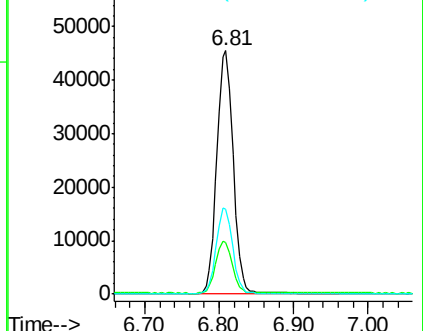
71 34.9 27.5 41.3

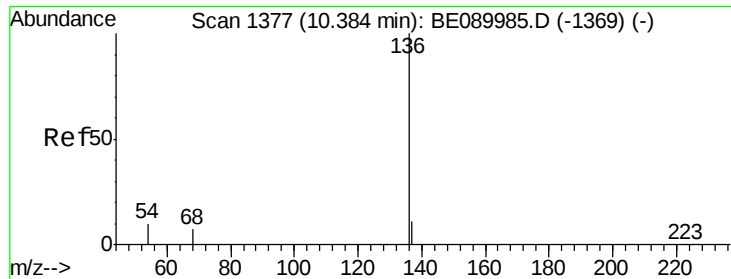


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0





#6

Naphthalene-d8

Concen: 5.00 ng

RT: 10.39 min Scan# 1377

Delta R.T. 0.00 min

Lab File: BE090005.D

Acq: 30 Jun 2015 6:31

Instrument :

BNA_E

ClientSampleId :

X1SB0530204-150625

Tgt Ion: 136 Resp: 102115

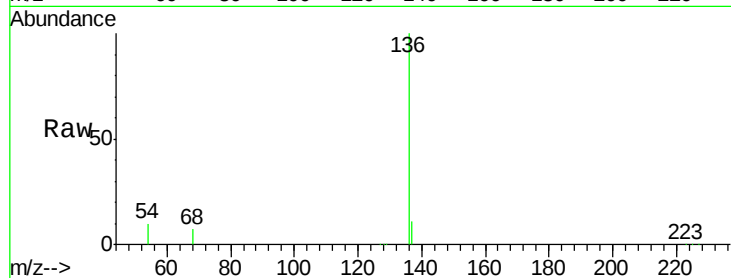
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 10.3 8.2 12.4

68 7.5 5.8 8.8

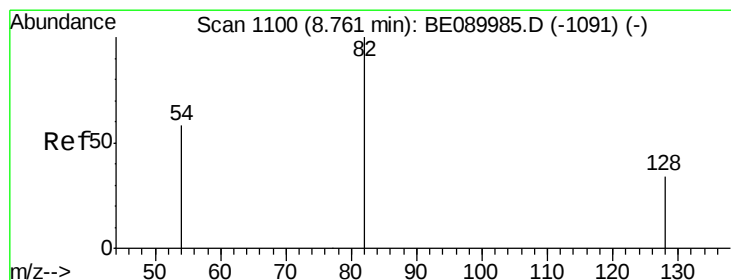
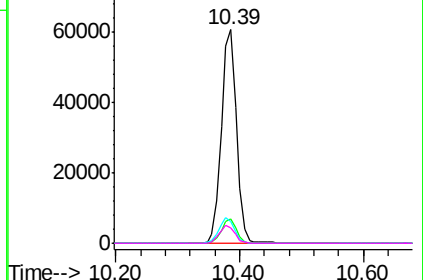
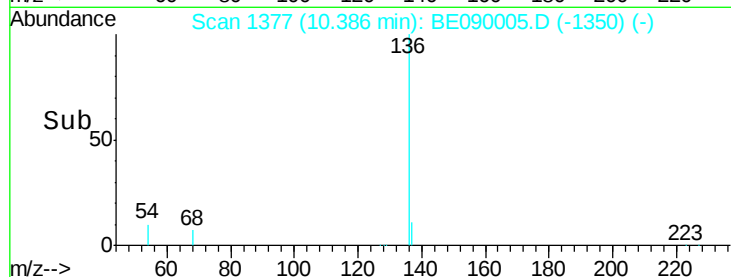


Abundance Ion 136.00 (135.70 to 136.70): E

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



#7

Nitrobenzene-d5

Concen: 5.06 ng

RT: 8.76 min Scan# 1100

Delta R.T. -0.00 min

Lab File: BE090005.D

Acq: 30 Jun 2015 6:31

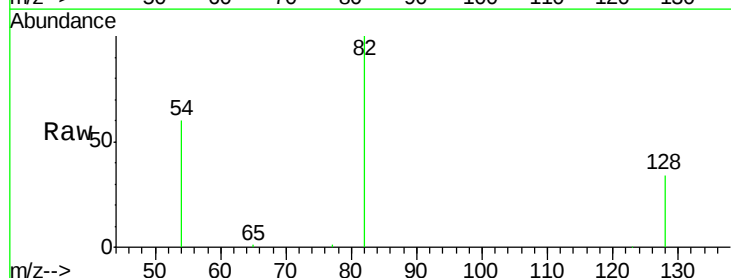
Tgt Ion: 82 Resp: 41074

Ion Ratio Lower Upper

82 100

128 34.4 28.0 42.0

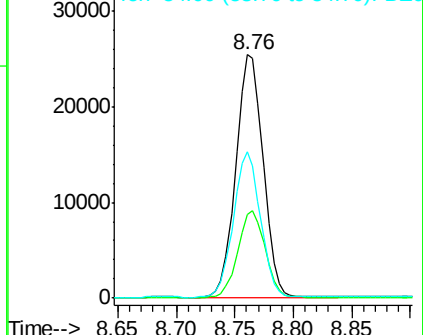
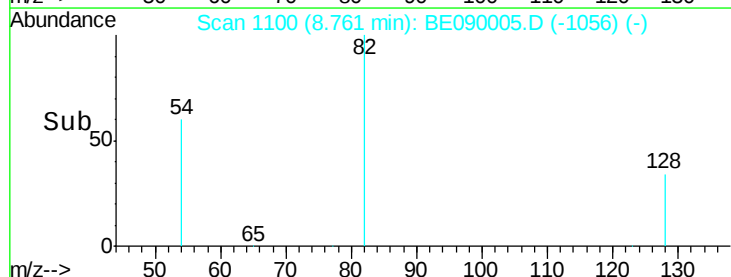
54 59.9 47.6 71.4

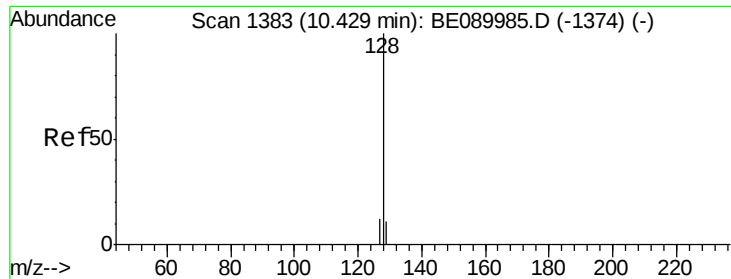


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.15 ng

RT: 10.43 min Scan# 1383

Delta R.T. 0.00 min

Lab File: BE090005.D

Acq: 30 Jun 2015 6:31

Instrument :

BNA_E

ClientSampleId :

X1SB0530204-150625

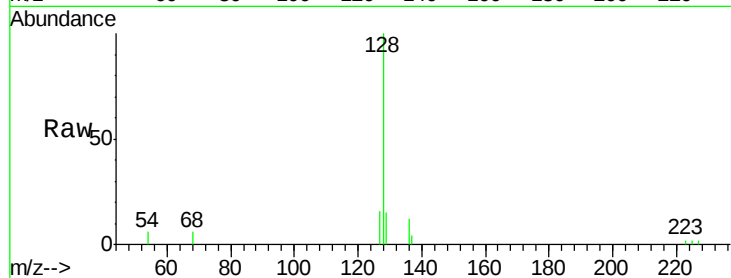
Tgt Ion:128 Resp: 3386

Ion Ratio Lower Upper

128 100

129 15.0 9.3 13.9#

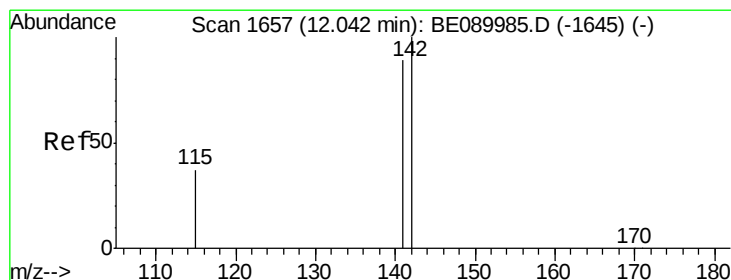
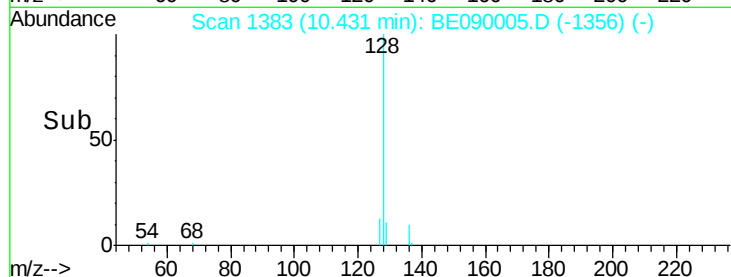
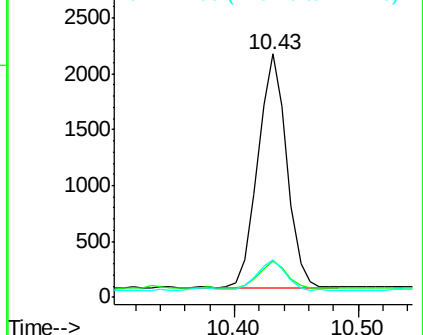
127 15.6 10.2 15.4#



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



#11

2-Methylnaphthalene

Concen: 0.13 ng

RT: 12.05 min Scan# 1658

Delta R.T. 0.00 min

Lab File: BE090005.D

Acq: 30 Jun 2015 6:31

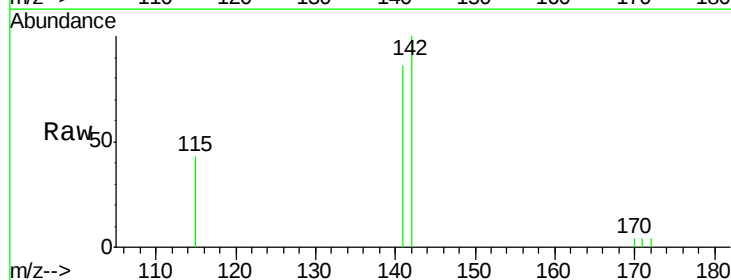
Tgt Ion:142 Resp: 1929

Ion Ratio Lower Upper

142 100

141 85.6 71.3 106.9

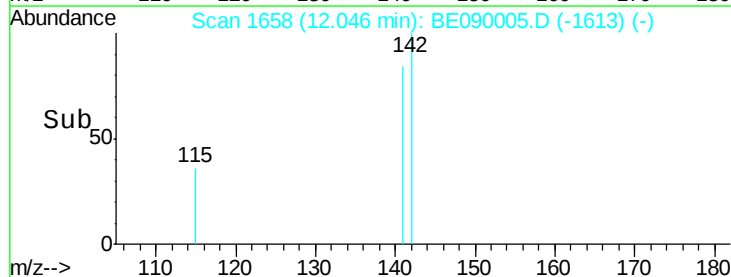
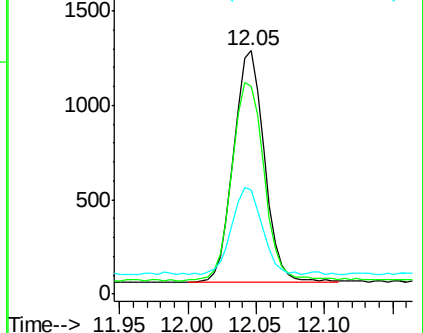
115 42.6 30.4 45.6

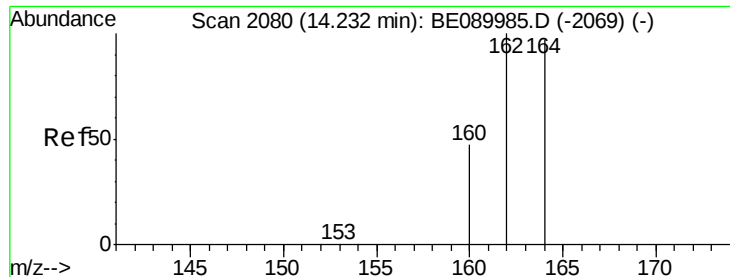


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.24 min Scan# 2081

Delta R.T. 0.01 min

Lab File: BE090005.D

Acq: 30 Jun 2015 6:31

Instrument :

BNA_E

ClientSampleId :

X1SB0530204-150625

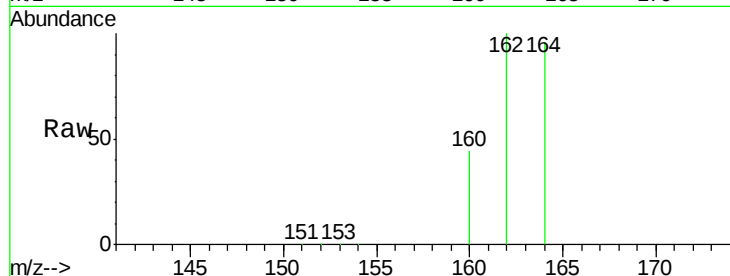
Tgt Ion:164 Resp: 61232

Ion Ratio Lower Upper

164 100

162 103.6 82.2 123.4

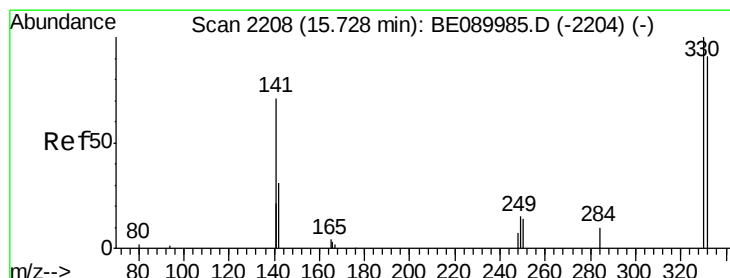
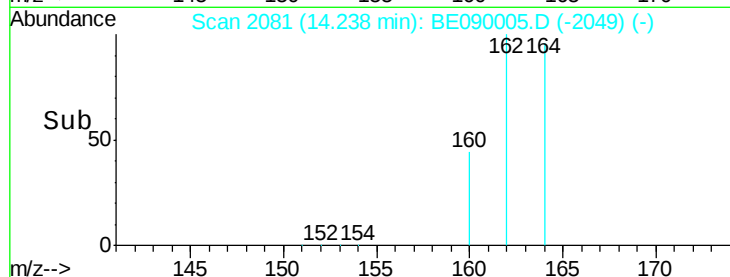
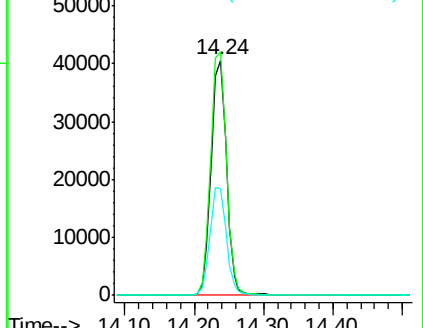
160 45.5 39.0 58.6



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#13

2,4,6-Tribromophenol

Concen: 12.26 ng

RT: 15.73 min Scan# 2208

Delta R.T. -0.00 min

Lab File: BE090005.D

Acq: 30 Jun 2015 6:31

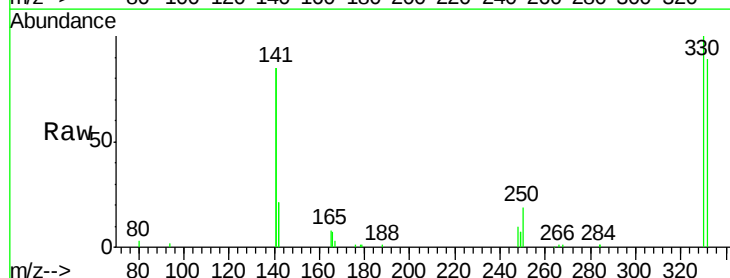
Tgt Ion:330 Resp: 21995

Ion Ratio Lower Upper

330 100

332 97.5 76.4 114.6

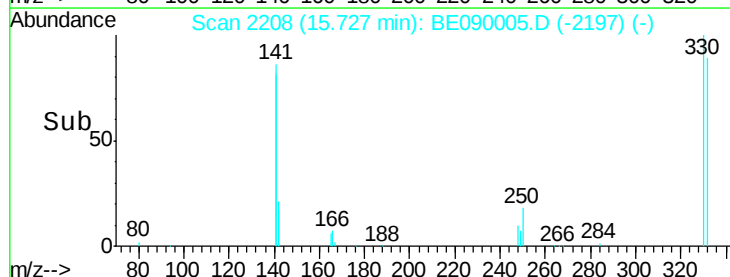
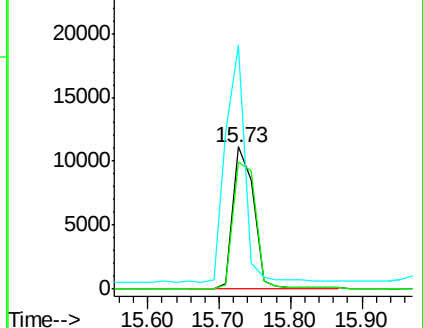
141 155.5 130.3 195.5

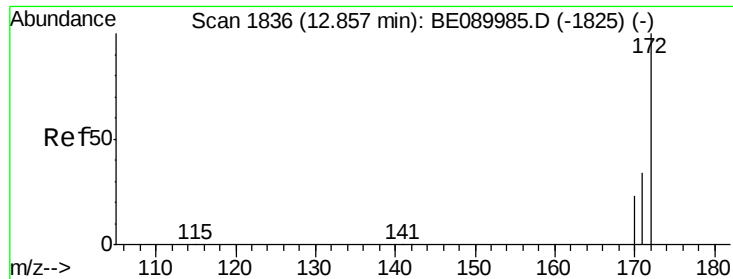


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

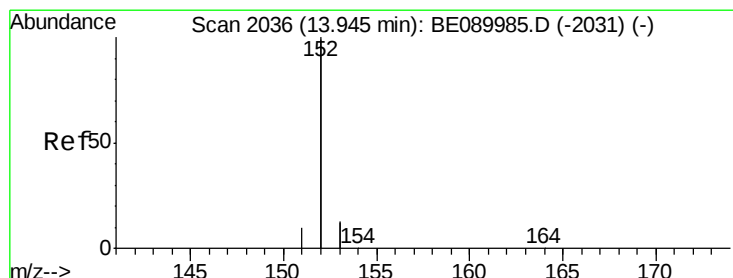
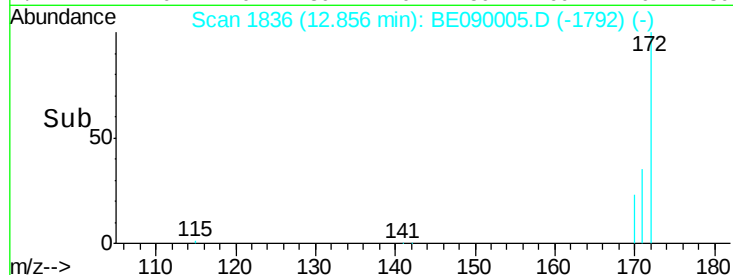
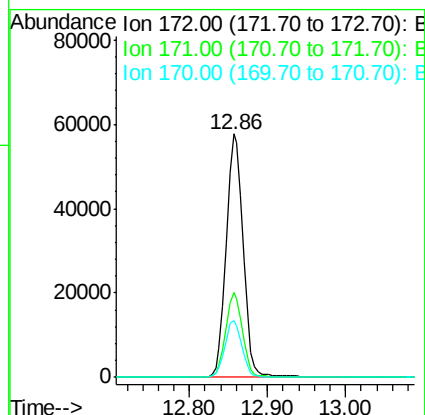
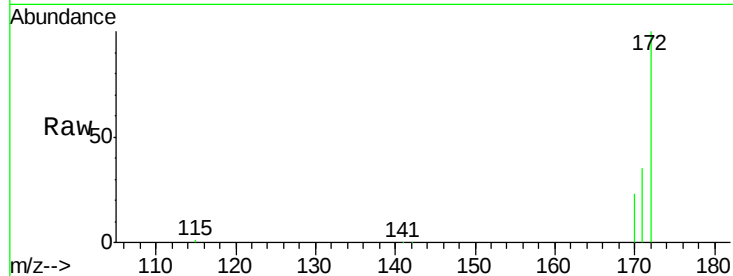




#14
2-Fluorobiphenyl
Concen: 4.75 ng
RT: 12.86 min Scan# 1836
Delta R.T. -0.00 min
Lab File: BE090005.D
Acq: 30 Jun 2015 6:31

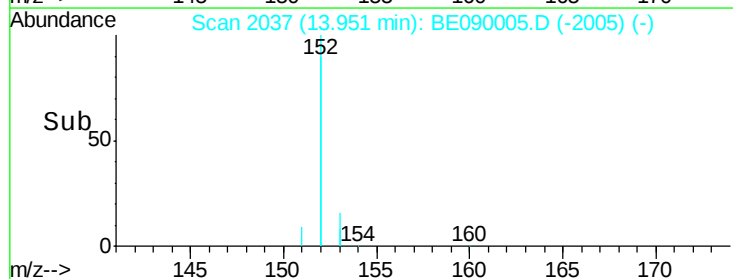
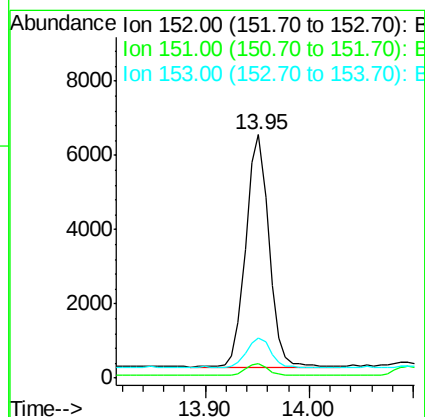
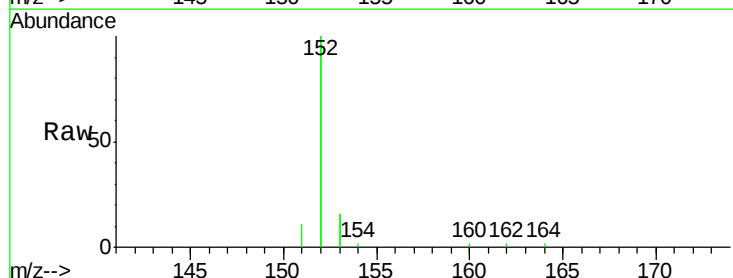
Instrument :
BNA_E
ClientSampleId :
X1SB0530204-150625

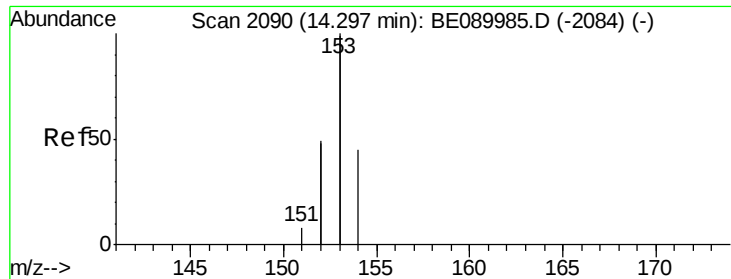
Tgt Ion:172 Resp: 87349
Ion Ratio Lower Upper
172 100
171 34.9 27.8 41.6
170 23.3 18.3 27.5



#15
Acenaphthylene
Concen: 0.09 ng
RT: 13.95 min Scan# 2037
Delta R.T. 0.01 min
Lab File: BE090005.D
Acq: 30 Jun 2015 6:31

Tgt Ion:152 Resp: 9704
Ion Ratio Lower Upper
152 100
151 4.8 3.9 5.9
153 13.0 10.4 15.6





#16

Acenaphthene

Concen: 0.08 ng

RT: 14.30 min Scan# 2090

Delta R.T. -0.00 min

Lab File: BE090005.D

Acq: 30 Jun 2015 6:31

Instrument :

BNA_E

ClientSampleId :

X1SB0530204-150625

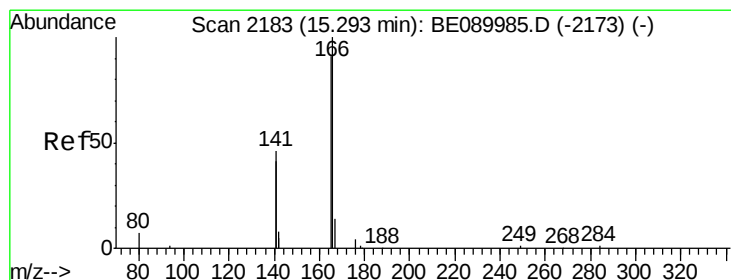
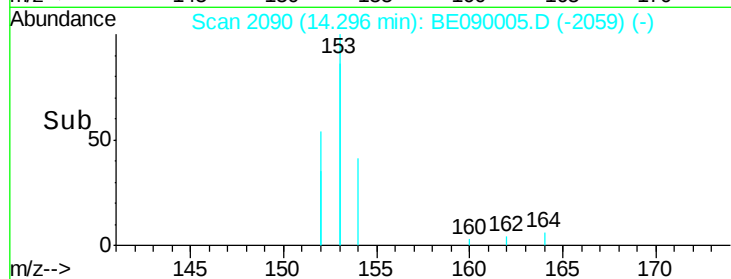
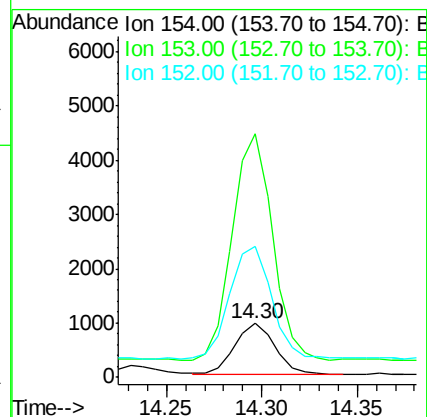
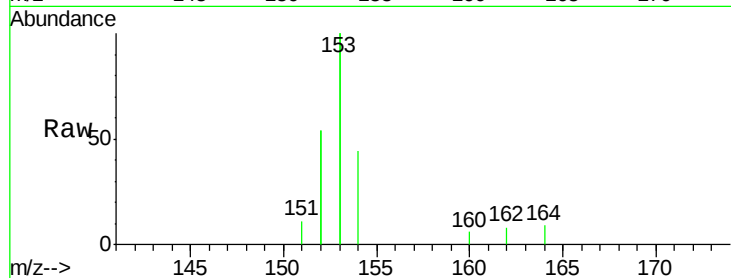
Tgt Ion:154 Resp: 1337

Ion Ratio Lower Upper

154 100

153 454.4 358.6 538.0

152 236.1 189.6 284.4



#17

Fluorene

Concen: 0.07 ng

RT: 15.29 min Scan# 2183

Delta R.T. -0.00 min

Lab File: BE090005.D

Acq: 30 Jun 2015 6:31

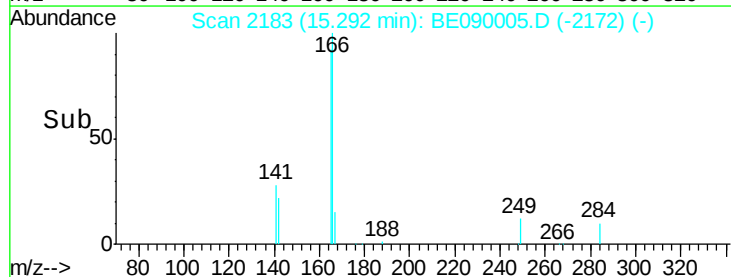
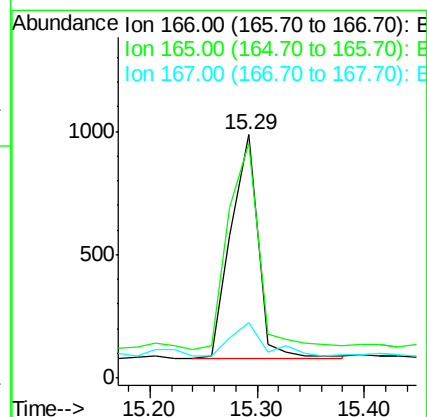
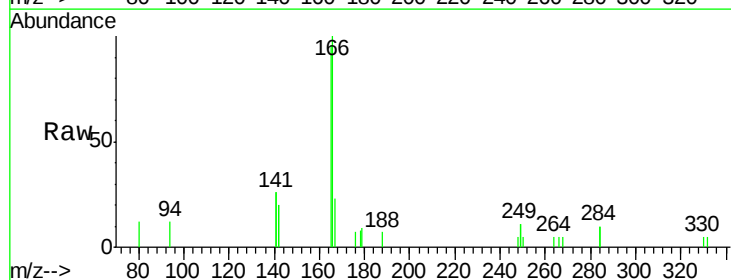
Tgt Ion:166 Resp: 1605

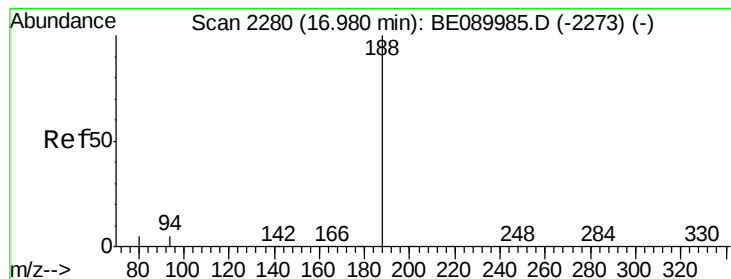
Ion Ratio Lower Upper

166 100

165 102.2 79.0 118.6

167 18.9 11.8 17.8#





#18

Phenanthrene-d10

Concen: 5.00 ng

RT: 16.98 min Scan# 2280

Delta R.T. -0.00 min

Lab File: BE090005.D

Acq: 30 Jun 2015 6:31

Instrument :

BNA_E

ClientSampleId :

X1SB0530204-150625

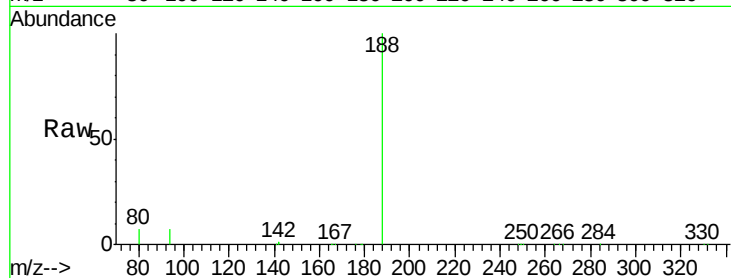
Tgt Ion:188 Resp: 140931

Ion Ratio Lower Upper

188 100

94 7.0 4.1 6.1#

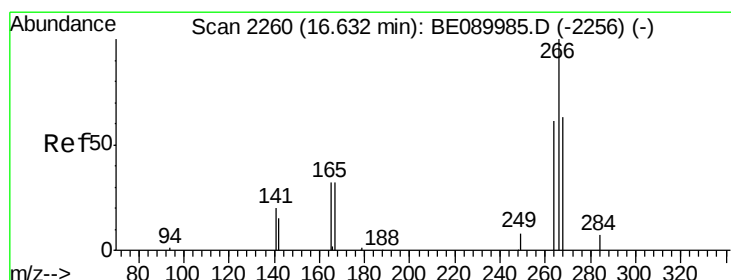
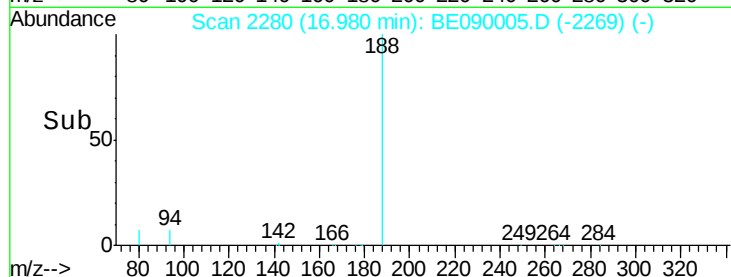
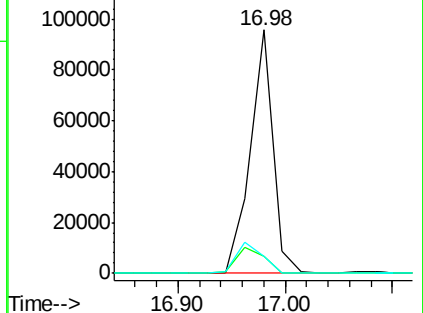
80 7.1 4.2 6.2#



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



#21

Pentachlorophenol

Concen: 0.26 ng

RT: 16.67 min Scan# 2262

Delta R.T. 0.03 min

Lab File: BE090005.D

Acq: 30 Jun 2015 6:31

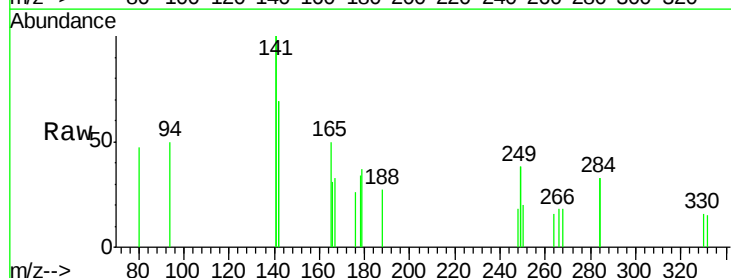
Tgt Ion:266 Resp: 17

Ion Ratio Lower Upper

266 100

268 98.2 51.8 77.8#

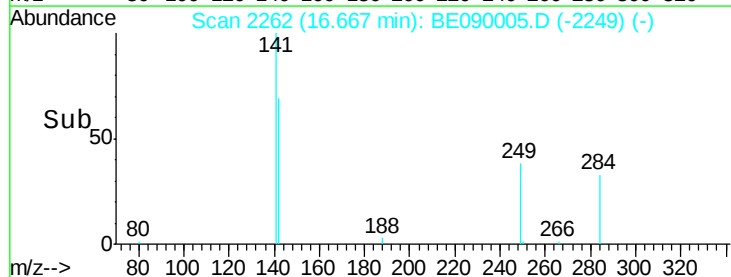
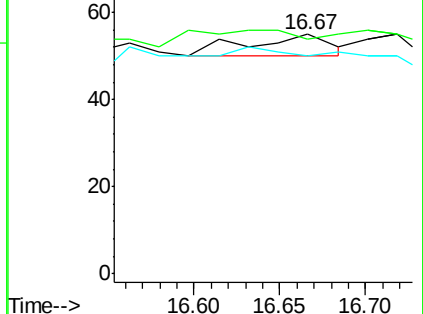
264 90.9 50.2 75.2#

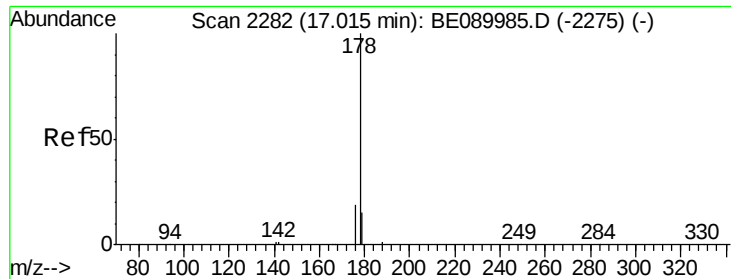


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#22

Phenanthrene

Concen: 0.04 ng

RT: 17.10 min Scan# 2287

Delta R.T. 0.09 min

Lab File: BE090005.D

Acq: 30 Jun 2015 6:31

Instrument :

BNA_E

ClientSampleId :

X1SB0530204-150625

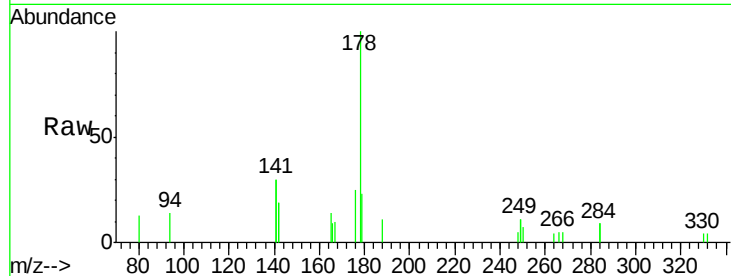
Tgt Ion:178 Resp: 1598

Ion Ratio Lower Upper

178 100

176 18.7 15.3 22.9

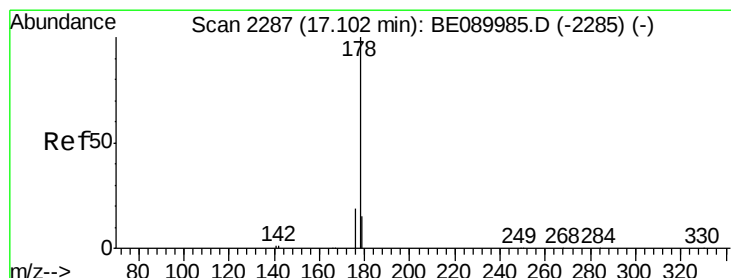
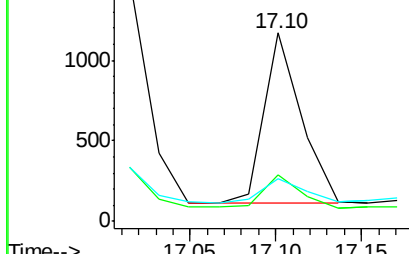
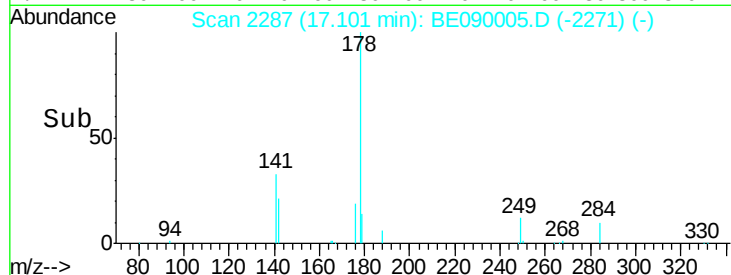
179 15.9 12.4 18.6



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



#23

Anthracene

Concen: 0.05 ng

RT: 17.10 min Scan# 2287

Delta R.T. -0.00 min

Lab File: BE090005.D

Acq: 30 Jun 2015 6:31

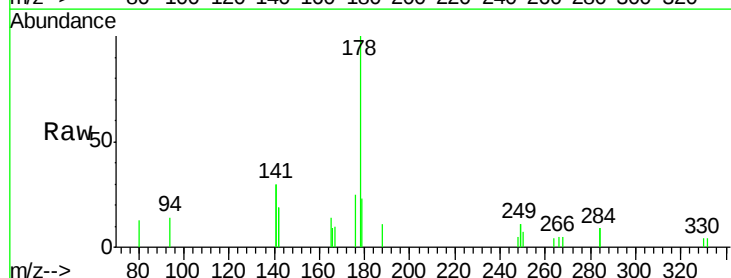
Tgt Ion:178 Resp: 1615

Ion Ratio Lower Upper

178 100

176 19.7 14.7 22.1

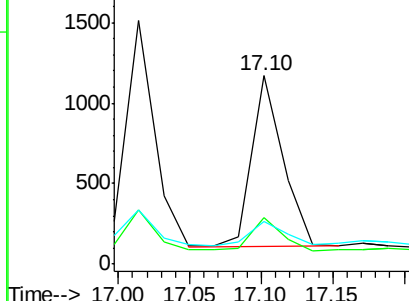
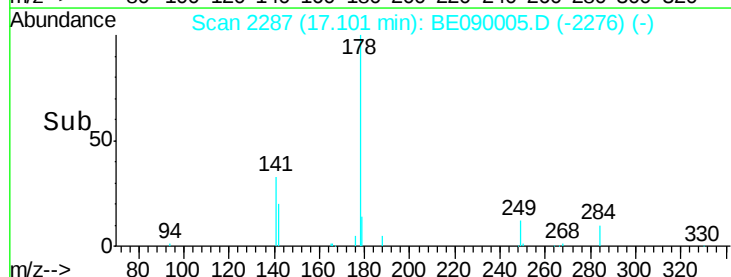
179 16.6 12.1 18.1

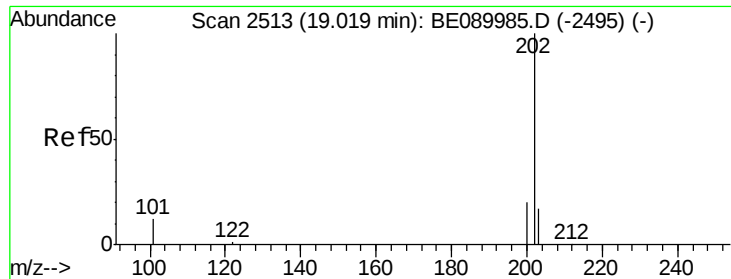


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#24

Fluoranthene

Concen: 0.02 ng

RT: 19.02 min Scan# 2513

Delta R.T. 0.00 min

Lab File: BE090005.D

Acq: 30 Jun 2015 6:31

Instrument :

BNA_E

ClientSampleId :

X1SB0530204-150625

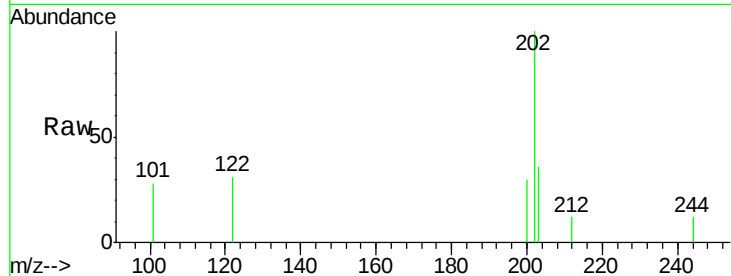
Tgt Ion:202 Resp: 864

Ion Ratio Lower Upper

202 100

101 21.4 10.6 15.8#

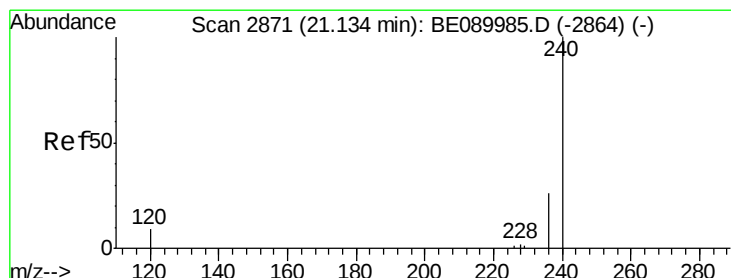
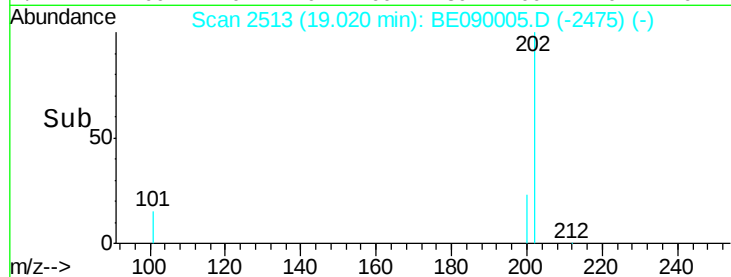
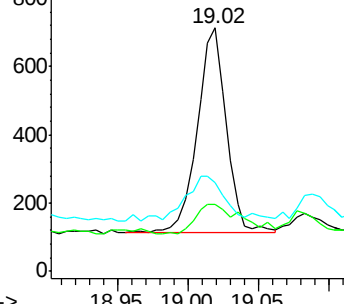
203 28.9 13.8 20.6#



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#25

Chrysene-d12

Concen: 5.00 ng

RT: 21.13 min Scan# 2870

Delta R.T. -0.00 min

Lab File: BE090005.D

Acq: 30 Jun 2015 6:31

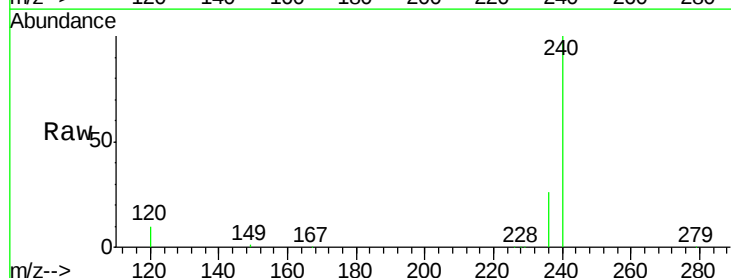
Tgt Ion:240 Resp: 155004

Ion Ratio Lower Upper

240 100

120 9.6 6.9 10.3

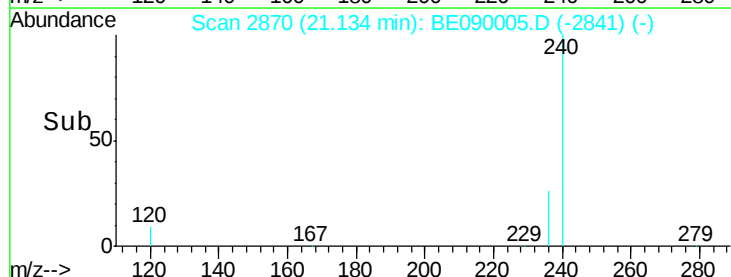
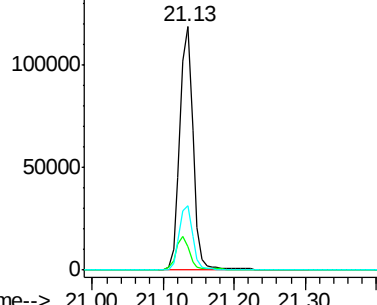
236 26.3 20.8 31.2

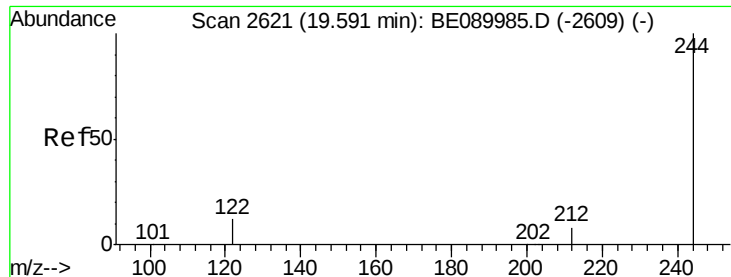


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

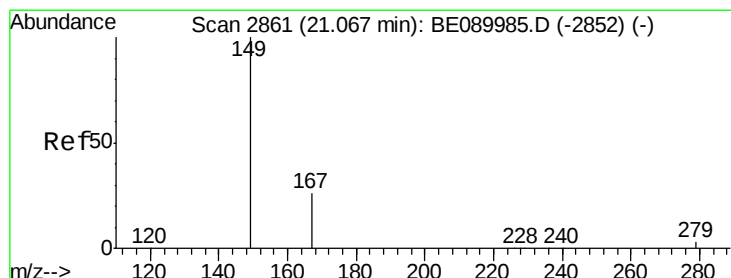
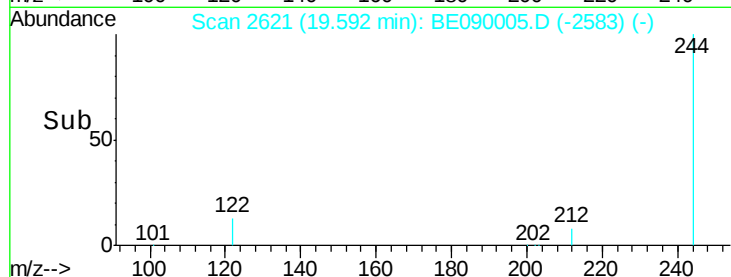
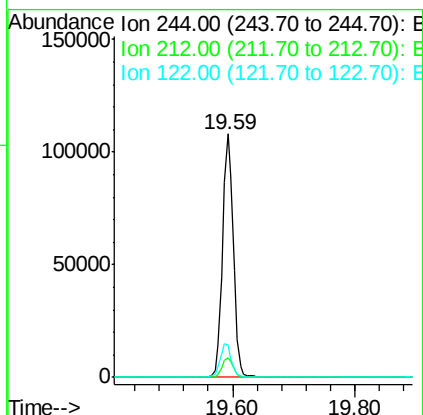
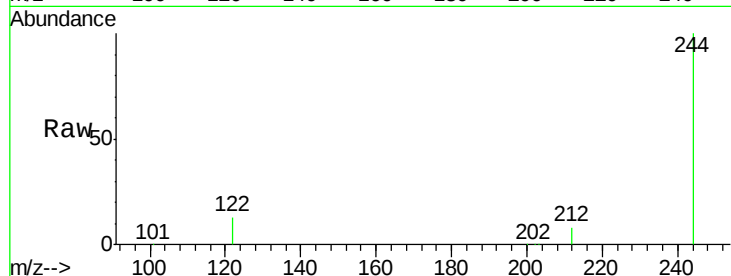




#27
 Terphenyl-d14
 Concen: 5.20 ng
 RT: 19.59 min Scan# 2621
 Delta R.T. 0.00 min
 Lab File: BE090005.D
 Acq: 30 Jun 2015 6:31

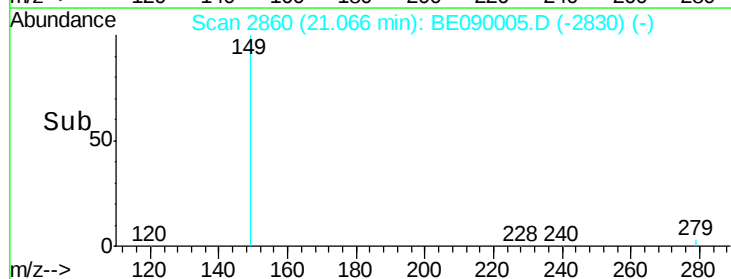
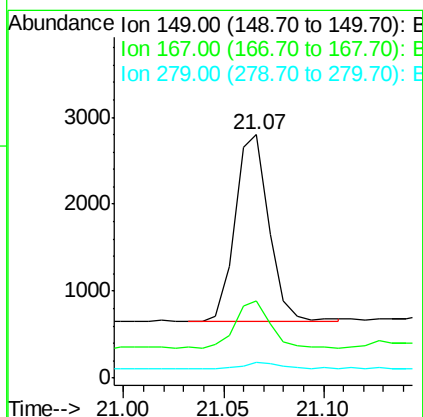
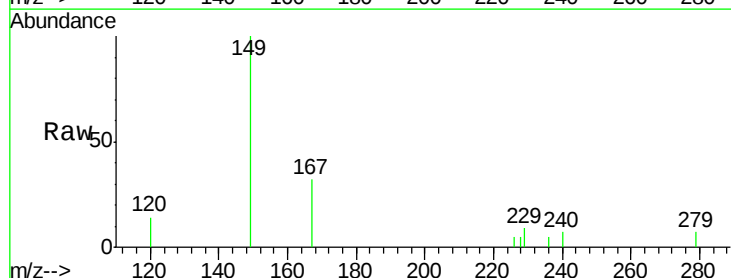
Instrument :
 BNA_E
 ClientSampleId :
 X1SB0530204-150625

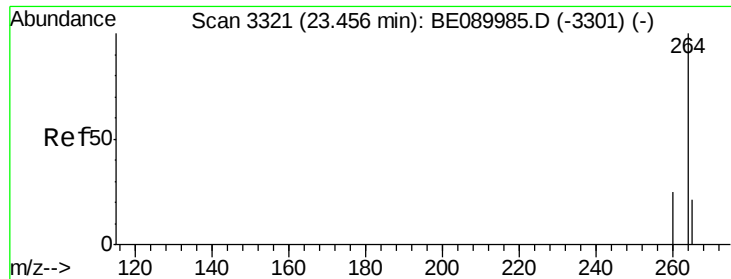
Tgt Ion: 244 Resp: 134344
 Ion Ratio Lower Upper
 244 100
 212 8.0 6.6 9.8
 122 13.4 9.8 14.8



#30
 Bis(2-ethylhexyl)phthalate
 Concen: 0.44 ng
 RT: 21.07 min Scan# 2860
 Delta R.T. 0.00 min
 Lab File: BE090005.D
 Acq: 30 Jun 2015 6:31

Tgt Ion: 149 Resp: 2555
 Ion Ratio Lower Upper
 149 100
 167 26.7 20.3 30.5
 279 4.1 2.6 3.8#

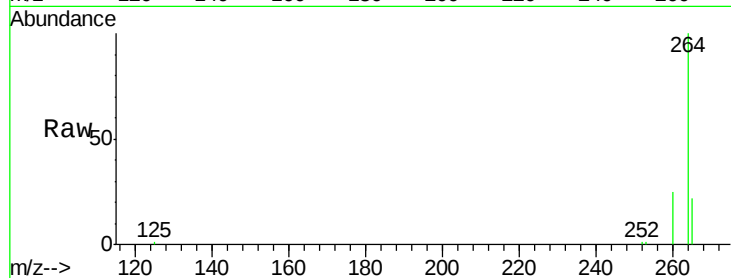




#32
Perylene-d12
Concen: 5.00 ng
RT: 23.46 min Scan# 3321
Delta R.T. 0.00 min
Lab File: BE090005.D
Acq: 30 Jun 2015 6:31

Instrument :
BNA_E
ClientSampleId :
X1SB0530204-150625

Tgt Ion: 264 Resp: 154117
Ion Ratio Lower Upper
264 100
260 25.3 20.2 30.2
265 22.3 17.1 25.7



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

