

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE081115\
 Data File : BE090430.D
 Acq On : 11 Aug 2015 16:22
 Operator : UM/IZ
 Sample : PB84961BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB84961BL

Quant Time: Aug 12 04:13:46 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE080515.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 06 12:28:08 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.58	152	20739	5.00	ng	0.00
6) Naphthalene-d8	10.34	136	94264	5.00	ng	0.00
12) Acenaphthene-d10	14.20	164	55887	5.00	ng	0.00
18) Phenanthrene-d10	16.94	188	131056	5.00	ng	0.00
25) Chrysene-d12	21.10	240	140903	5.00	ng	0.00
32) Perylene-d12	23.40	264	124726	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.21	112	29879	9.60	ng	0.00
5) Phenol-d6	6.77	99	42690	6.38	ng	0.00
7) Nitrobenzene-d5	8.73	82	23405	3.13	ng	0.00
13) 2,4,6-Tribromophenol	15.71	330	9309	6.14	ng	0.00
14) 2-Fluorobiphenyl	12.82	172	58325	3.79	ng	0.00
27) Terphenyl-d14	19.56	244	92478	4.45	ng	0.00

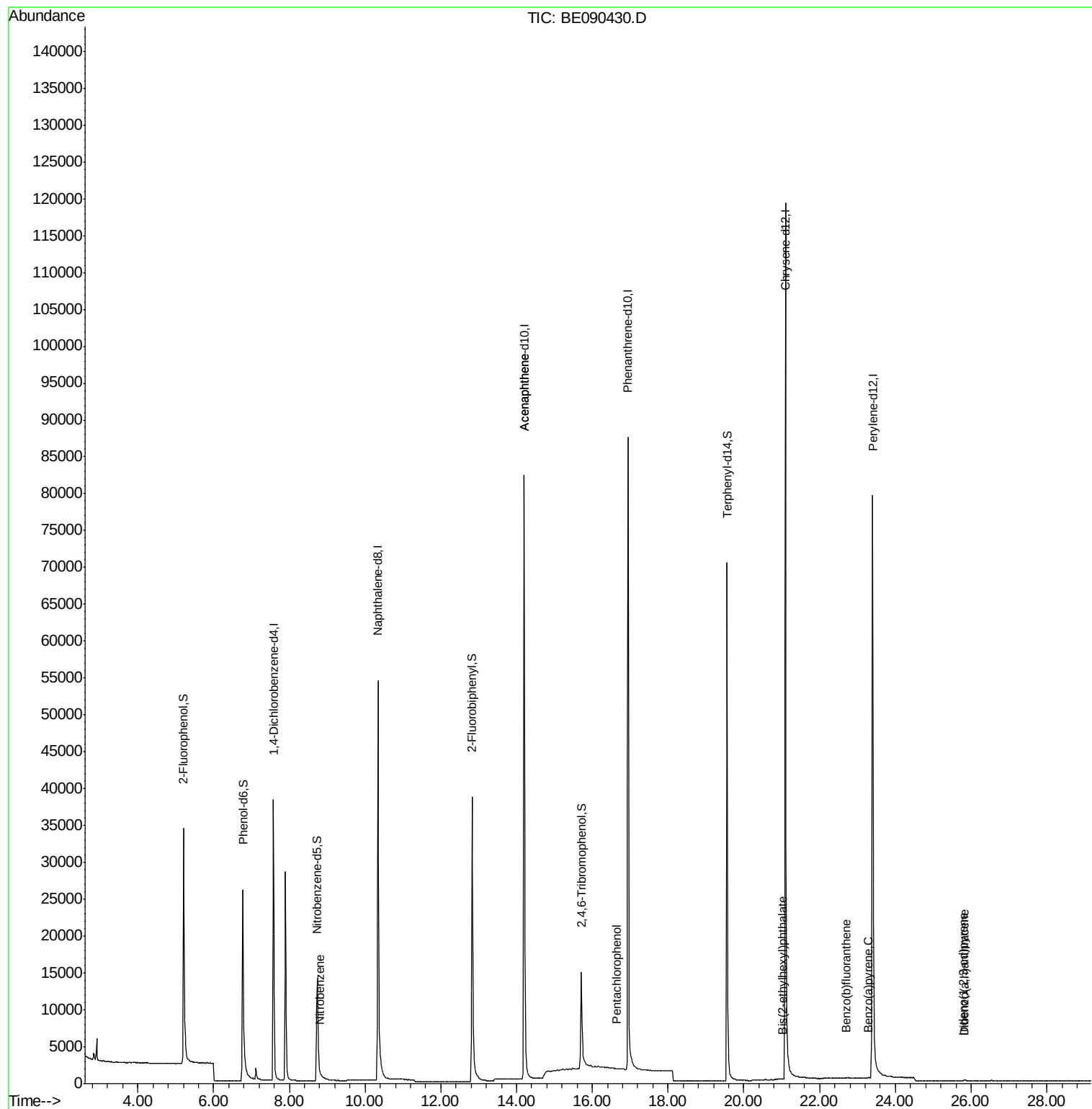
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Nitrobenzene	8.80	77	5	0.21	ng	# 69
10) Hexachlorobutadiene	10.66	225	7	Below Cal		# 36
16) Acenaphthene	14.19	154	282	0.02	ng	# 1
21) Pentachlorophenol	16.63	266	13	0.10	ng	# 67
30) Bis(2-ethylhexyl)phthalate	21.03	149	45	0.11	ng	# 48
31) Indeno(1,2,3-cd)pyrene	25.80	276	320	0.26	ng	# 76
33) Benzo(b)fluoranthene	22.70	252	124	0.20	ng	# 1
35) Benzo(a)pyrene	23.29	252	170	0.23	ng	# 1
36) Dibenzo(a,h)anthracene	25.83	278	256	0.29	ng	# 9

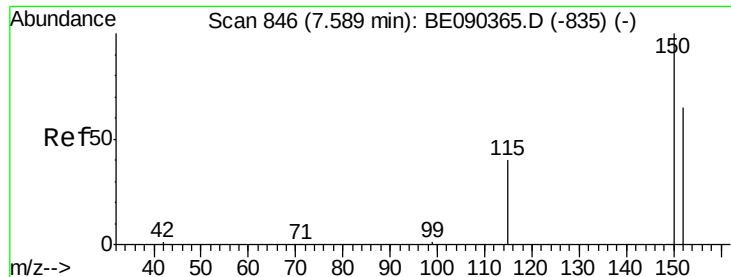
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.58 min Scan# 844

Delta R.T. -0.01 min

Lab File: BE090430.D

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Instrument :

BNA_E

ClientSampleId :

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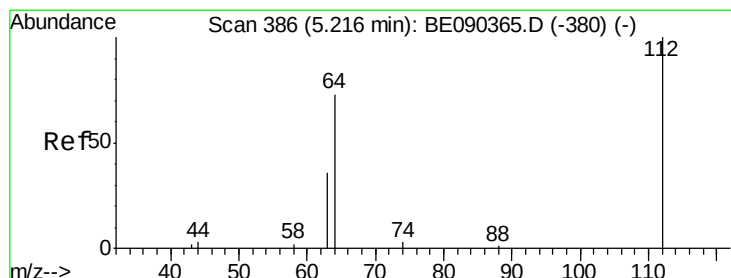
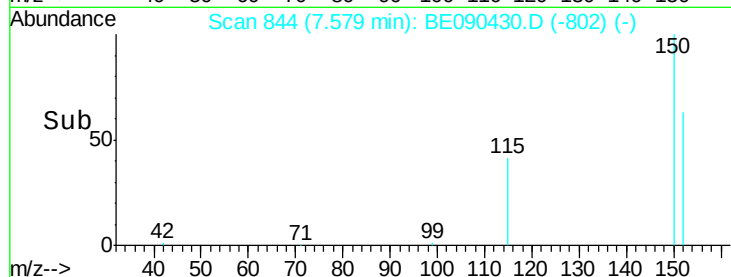
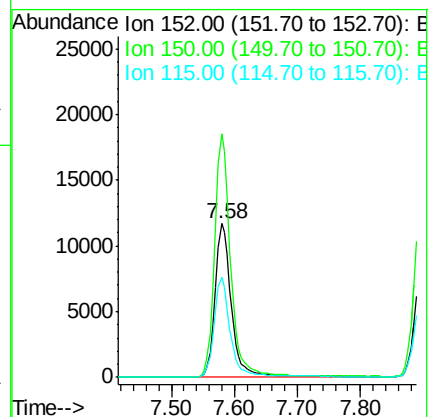
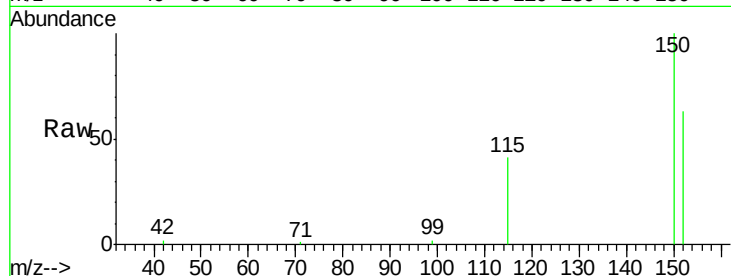
Tgt Ion:152 Resp: 20739

Ion Ratio Lower Upper

152 100

150 158.3 123.0 184.4

115 64.8 48.9 73.3



#4

2-Fluorophenol

Concen: 9.60 ng

RT: 5.21 min Scan# 385

Delta R.T. -0.01 min

Lab File: BE090430.D

Acq: 11 Aug 2015 16:22

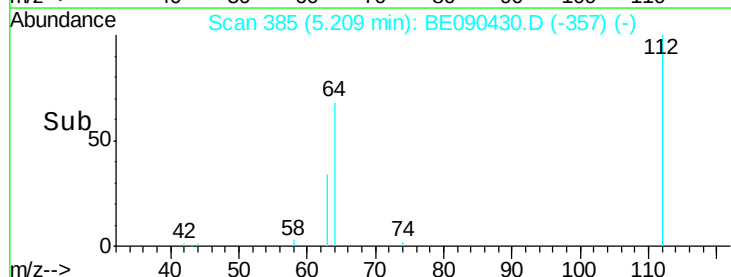
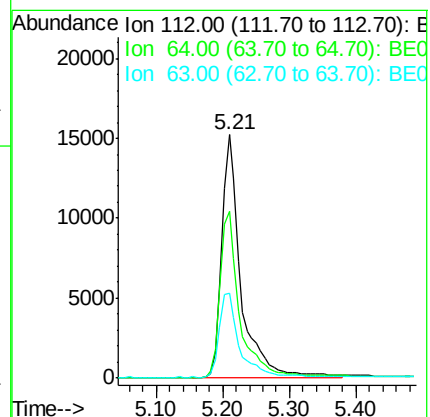
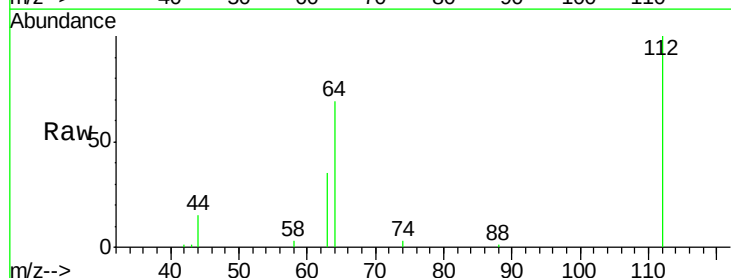
Tgt Ion:112 Resp: 29879

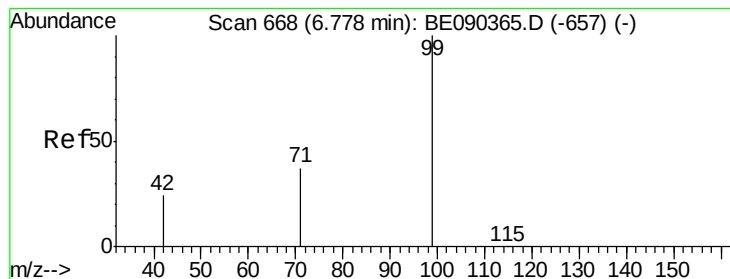
Ion Ratio Lower Upper

112 100

64 70.2 37.1 55.7#

63 36.5 19.5 29.3#





#5

Phenol-d6

Concen: 6.38 ng

RT: 6.77 min Scan# 666

Delta R.T. -0.01 min

Lab File: BE090430.D

Acq: 11 Aug 2015 16:22

Instrument :

BNA_E

ClientSampleId :

PB84961BL

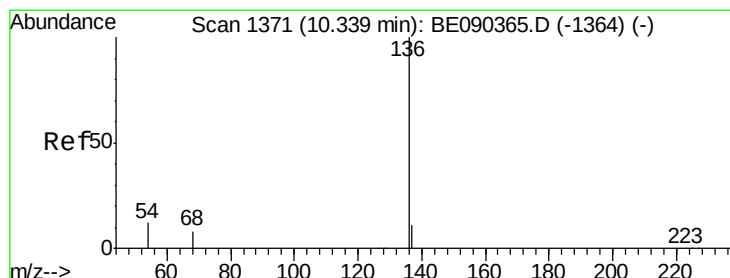
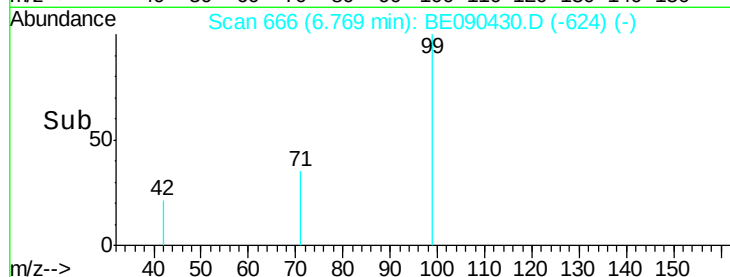
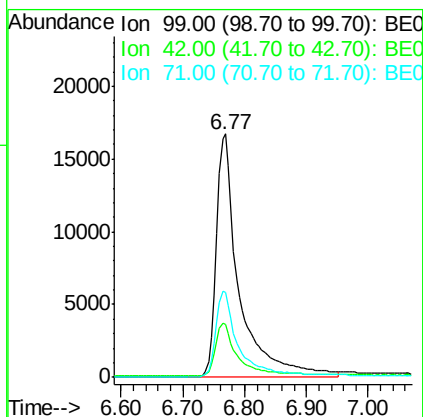
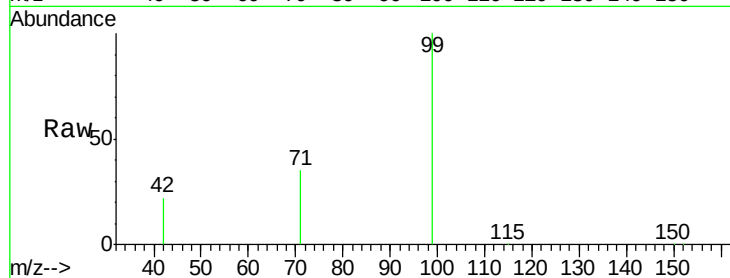
Tgt Ion: 99 Resp: 42690

Ion Ratio Lower Upper

99 100

42 21.6 18.2 27.4

71 35.4 27.4 41.0



#6

Naphthalene-d8

Concen: 5.00 ng

RT: 10.34 min Scan# 1371

Delta R.T. 0.00 min

Lab File: BE090430.D

Acq: 11 Aug 2015 16:22

Tgt Ion: 136 Resp: 94264

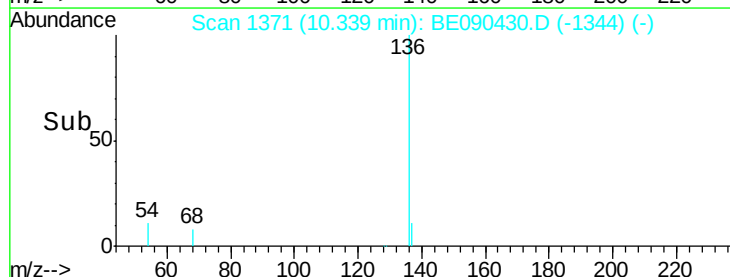
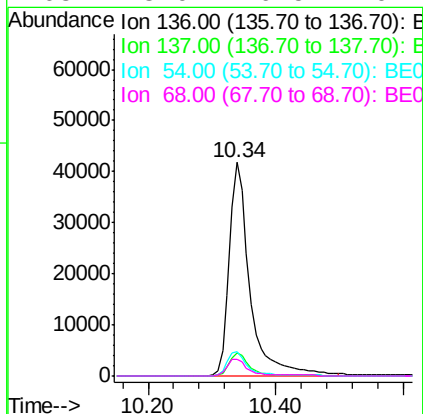
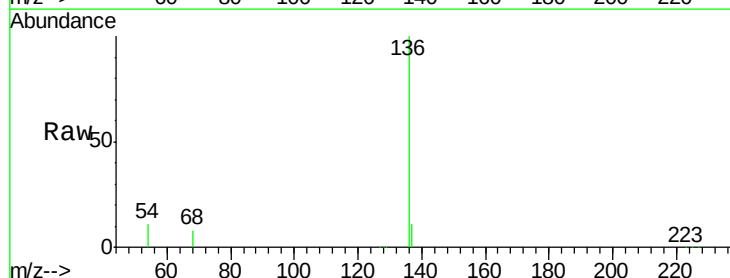
Ion Ratio Lower Upper

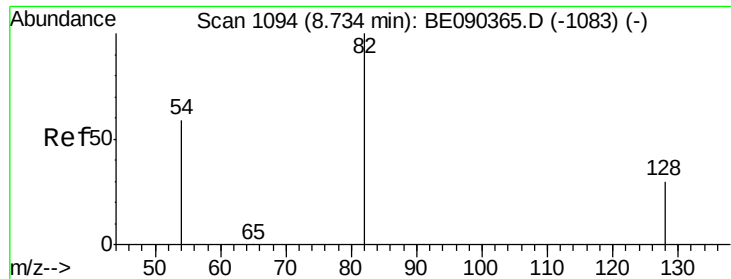
136 100

137 10.9 8.7 13.1

54 11.2 9.4 14.0

68 8.0 6.5 9.7





#7

Nitrobenzene-d5

Concen: 3.13 ng

RT: 8.73 min Scan# 1094

Delta R.T. 0.00 min

Lab File: BE090430.D

Acq: 11 Aug 2015 16:22

Instrument :

BNA_E

ClientSampleId :

PB84961BL

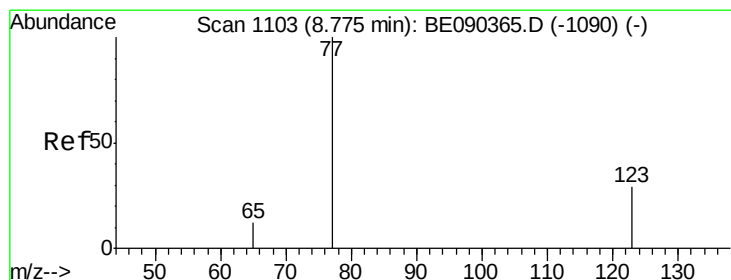
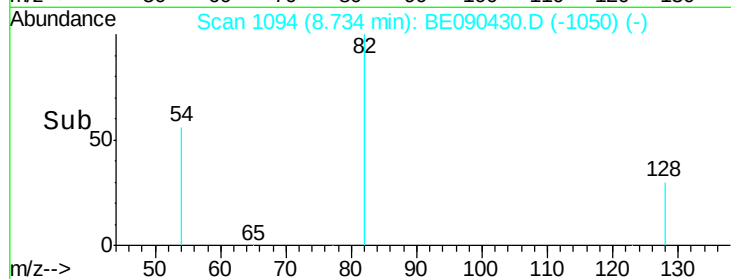
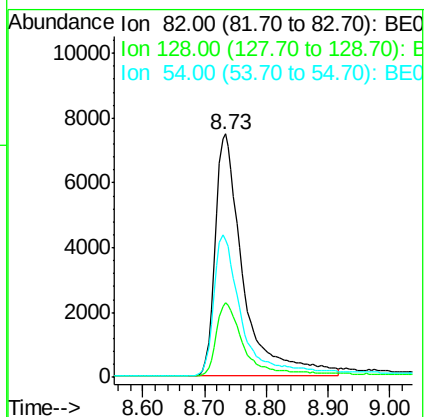
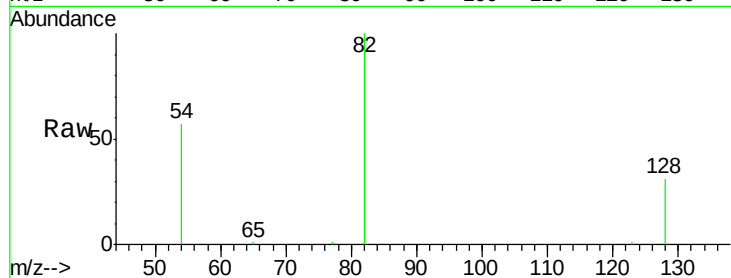
Tgt Ion: 82 Resp: 23405

Ion Ratio Lower Upper

82 100

128 30.6 25.0 37.6

54 56.5 48.8 73.2



#8

Nitrobenzene

Concen: 0.21 ng

RT: 8.80 min Scan# 1109

Delta R.T. 0.03 min

Lab File: BE090430.D

Acq: 11 Aug 2015 16:22

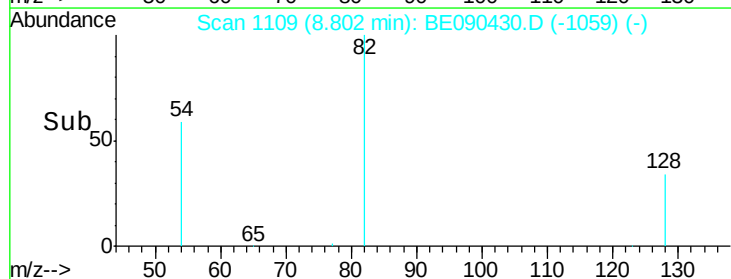
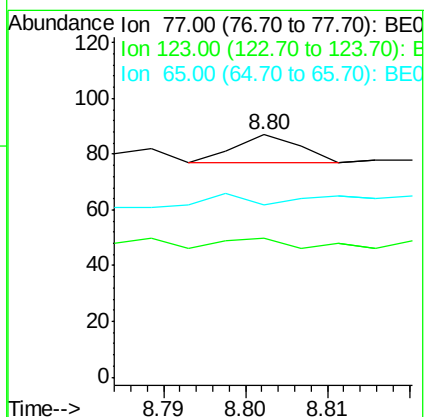
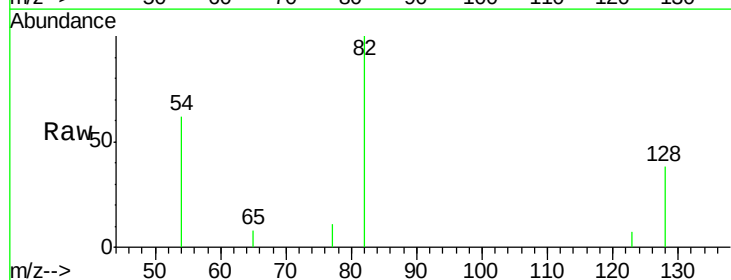
Tgt Ion: 77 Resp: 5

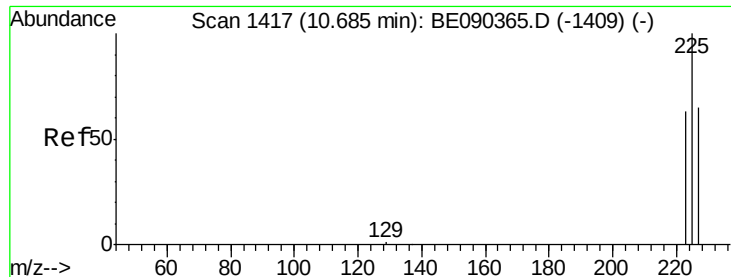
Ion Ratio Lower Upper

77 100

123 40.0 25.1 37.7#

65 40.0 9.3 13.9#

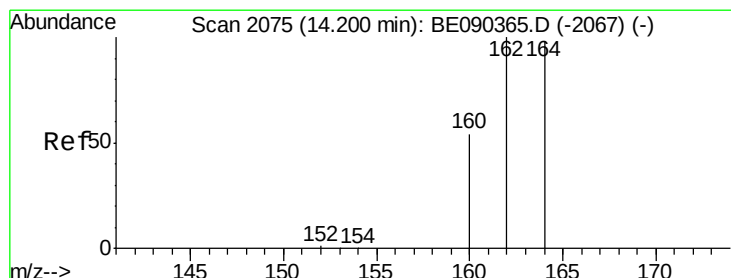
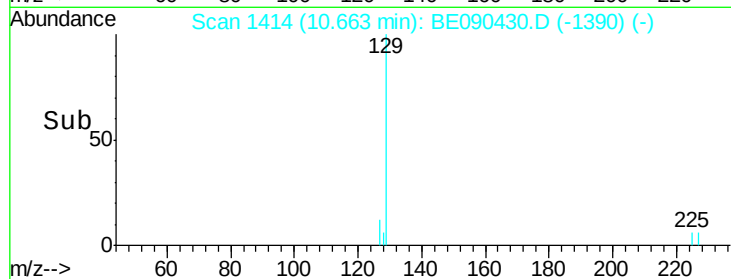
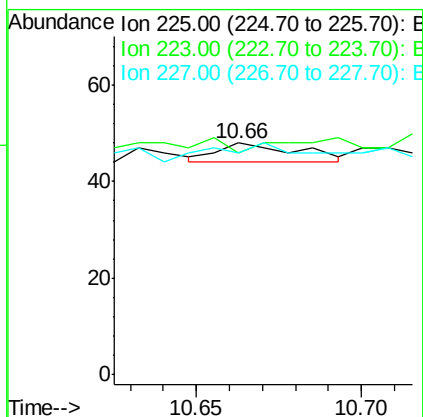
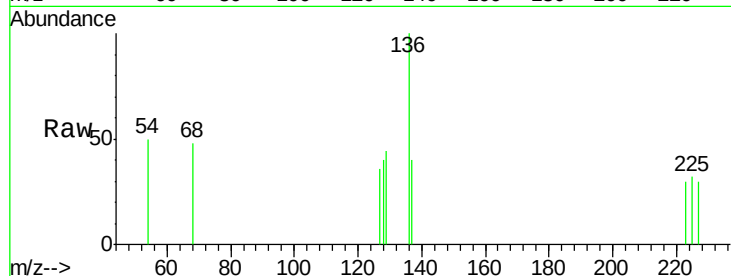




#10
Hexachlorobutadiene
Concen: Below Cal
RT: 10.66 min Scan# 1414
Delta R.T. -0.02 min
Lab File: BE090430.D
Acq: 11 Aug 2015 16:22

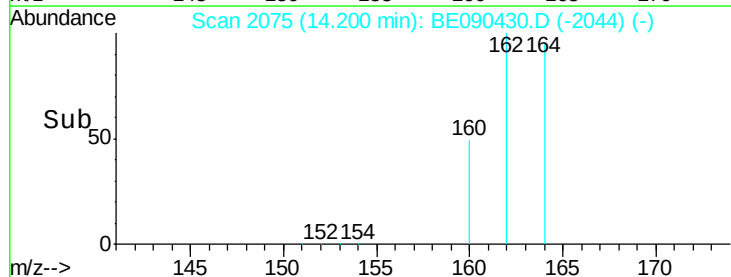
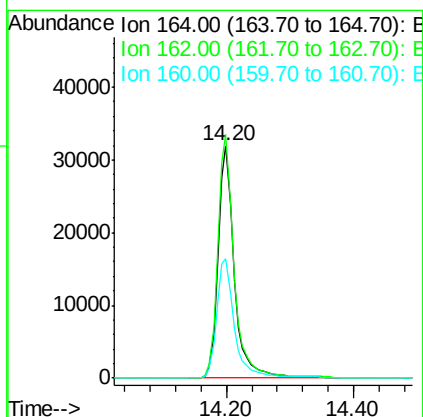
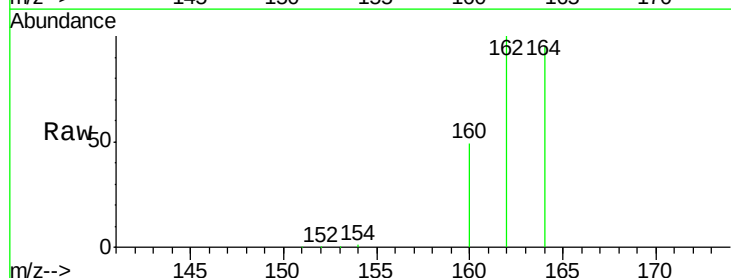
Instrument :
BNA_E
ClientSampleId :
PB84961BL

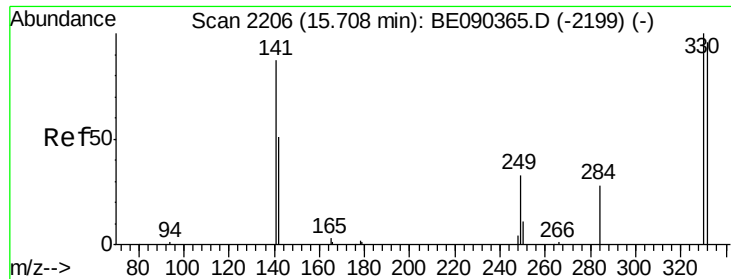
Tgt Ion: 225 Resp: 7
Ion Ratio Lower Upper
225 100
223 0.0 50.6 75.8#
227 100.0 50.7 76.1#



#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.20 min Scan# 2075
Delta R.T. -0.00 min
Lab File: BE090430.D
Acq: 11 Aug 2015 16:22

Tgt Ion: 164 Resp: 55887
Ion Ratio Lower Upper
164 100
162 104.7 81.8 122.8
160 51.2 44.2 66.4

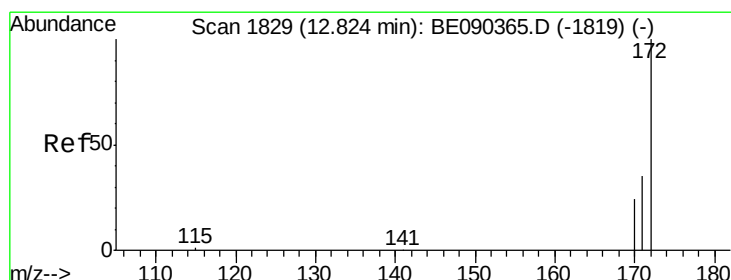
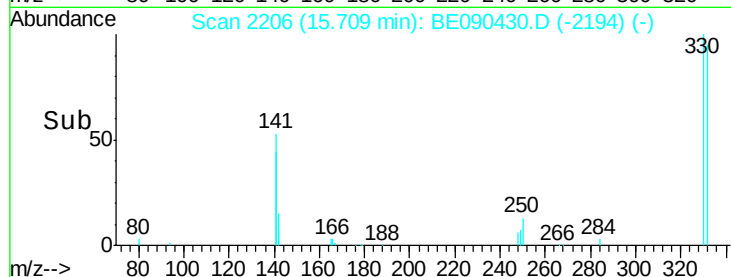
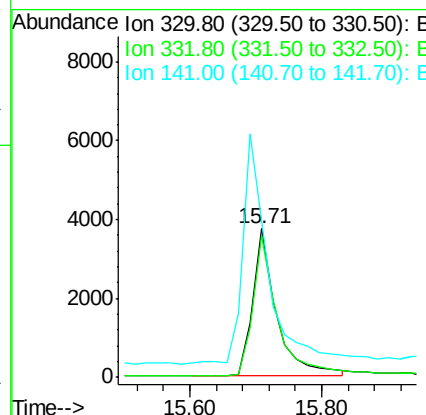
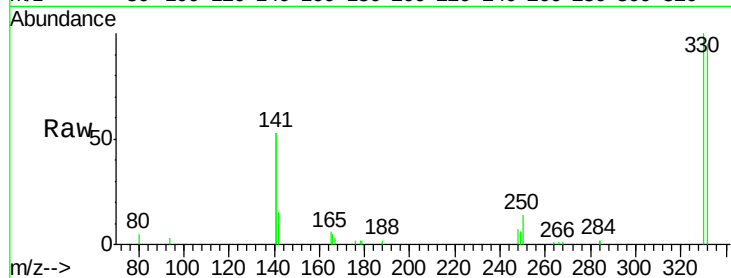




#13
 2,4,6-Tribromophenol
 Concen: 6.14 ng
 RT: 15.71 min Scan# 2206
 Delta R.T. 0.00 min
 Lab File: BE090430.D
 Acq: 11 Aug 2015 16:22

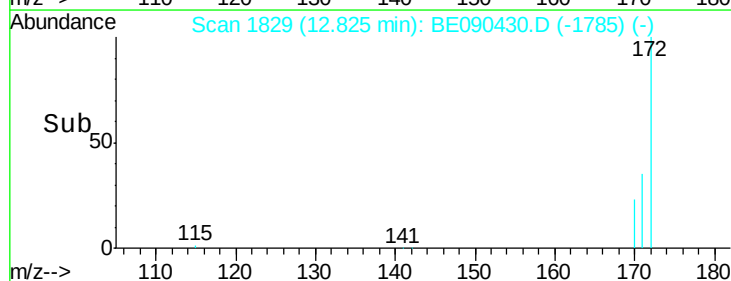
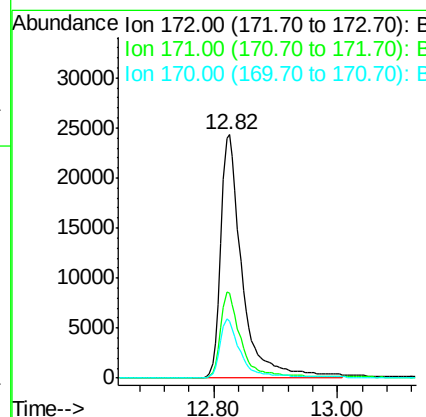
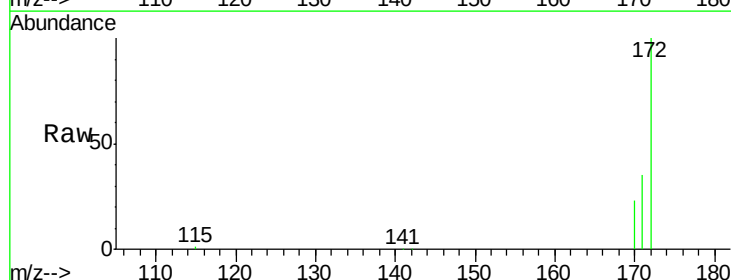
Instrument :
 BNA_E
 ClientSampleId :
 PB84961BL

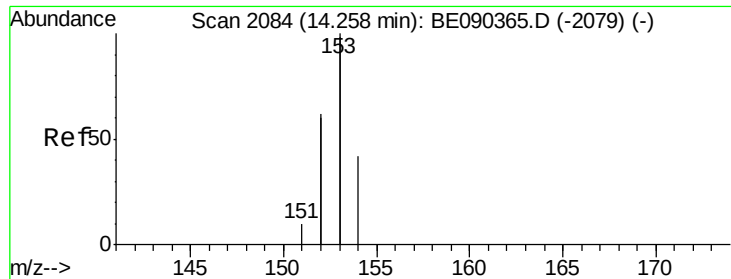
Tgt Ion: 330 Resp: 9309
 Ion Ratio Lower Upper
 330 100
 332 96.8 75.8 113.6
 141 168.4 114.4 171.6



#14
 2-Fluorobiphenyl
 Concen: 3.79 ng
 RT: 12.82 min Scan# 1829
 Delta R.T. 0.00 min
 Lab File: BE090430.D
 Acq: 11 Aug 2015 16:22

Tgt Ion: 172 Resp: 58325
 Ion Ratio Lower Upper
 172 100
 171 34.9 28.5 42.7
 170 23.3 19.8 29.8





#16

Acenaphthene

Concen: 0.02 ng

RT: 14.19 min Scan# 2074

Delta R.T. -0.07 min

Lab File: BE090430.D

Acq: 11 Aug 2015 16:22

Instrument :

BNA_E

ClientSampleId :

PB84961BL

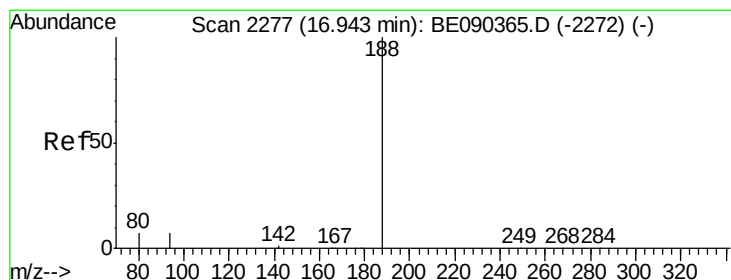
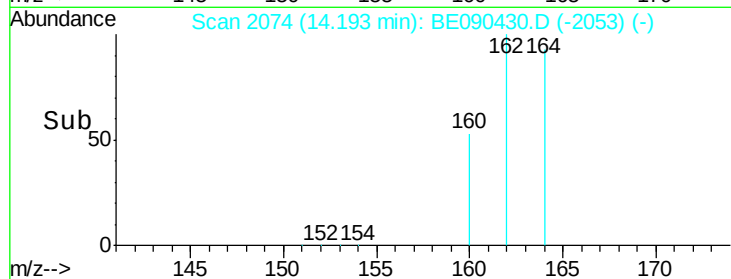
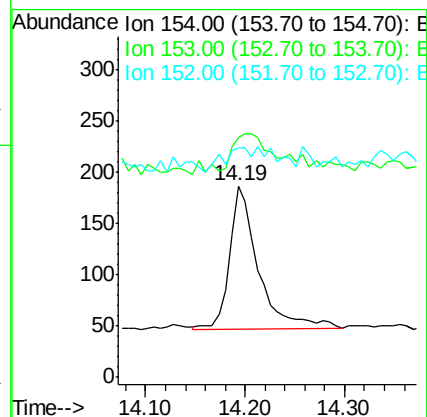
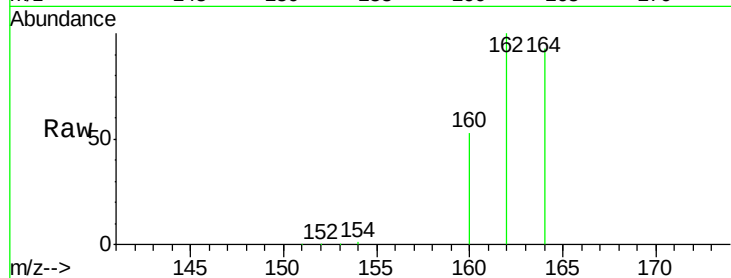
Tgt Ion:154 Resp: 282

Ion Ratio Lower Upper

154 100

153 31.2 376.2 564.2#

152 16.7 235.0 352.4#



#18

Phenanthrene-d10

Concen: 5.00 ng

RT: 16.94 min Scan# 2277

Delta R.T. 0.00 min

Lab File: BE090430.D

Acq: 11 Aug 2015 16:22

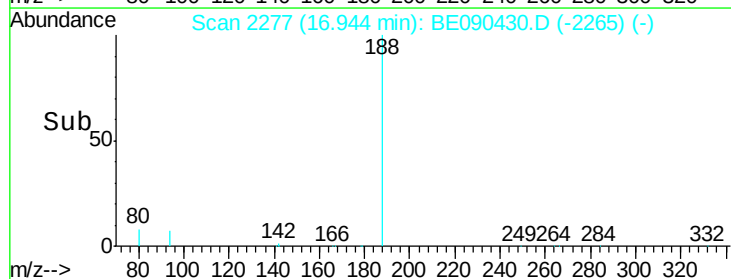
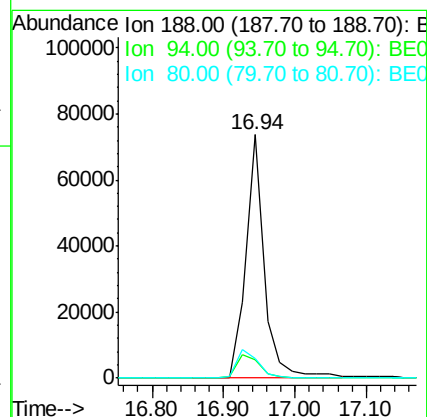
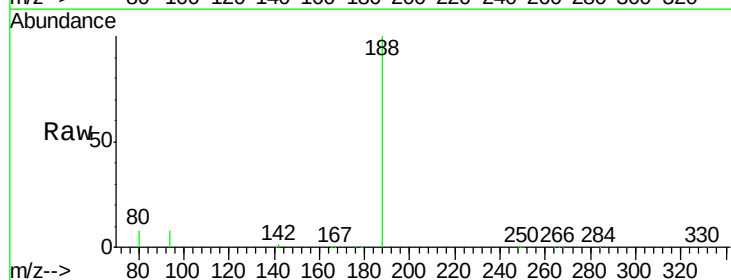
Tgt Ion:188 Resp: 131056

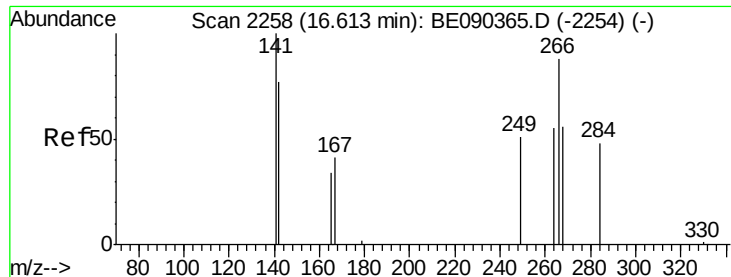
Ion Ratio Lower Upper

188 100

94 7.5 5.7 8.5

80 8.0 5.8 8.8

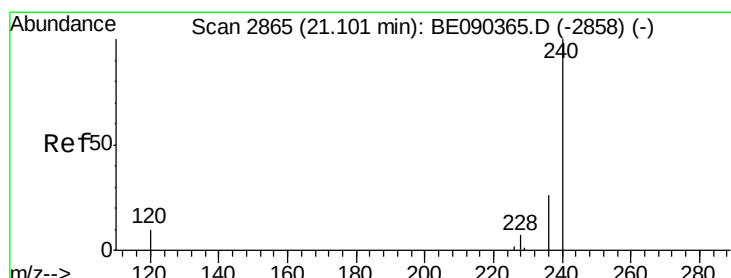
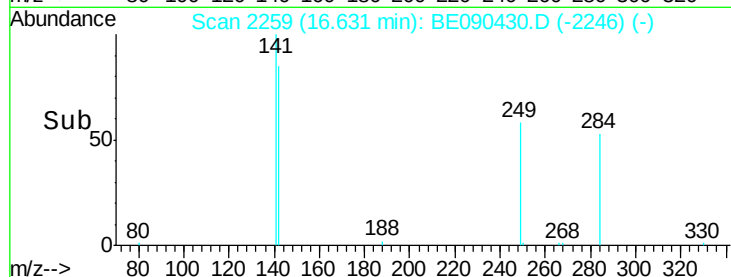
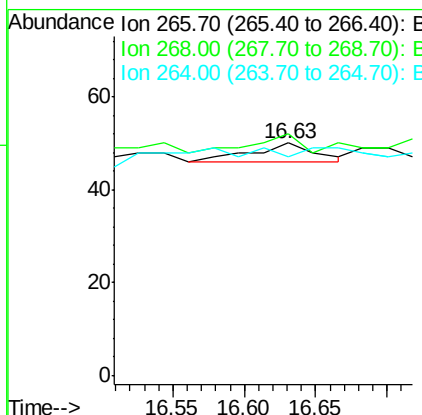
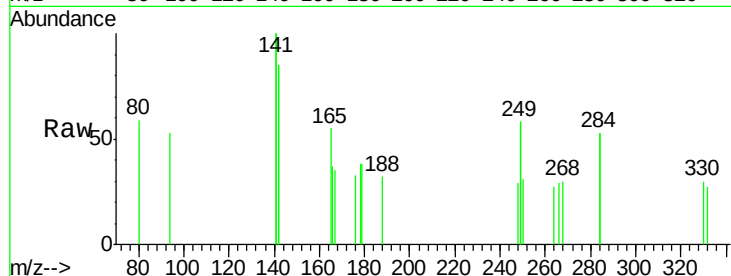




#21
 Pentachlorophenol
 Concen: 0.10 ng
 RT: 16.63 min Scan# 2259
 Delta R.T. 0.02 min
 Lab File: BE090430.D
 Acq: 11 Aug 2015 16:22

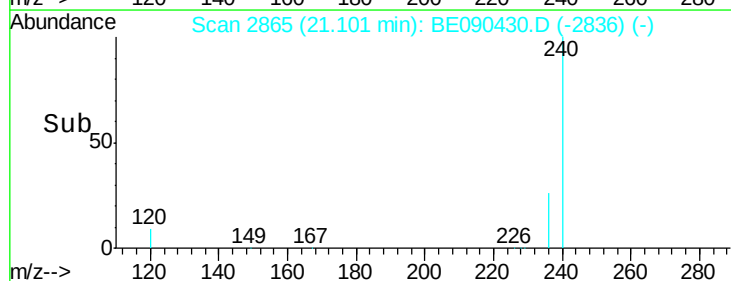
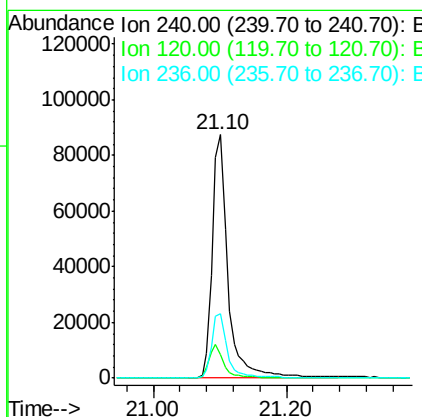
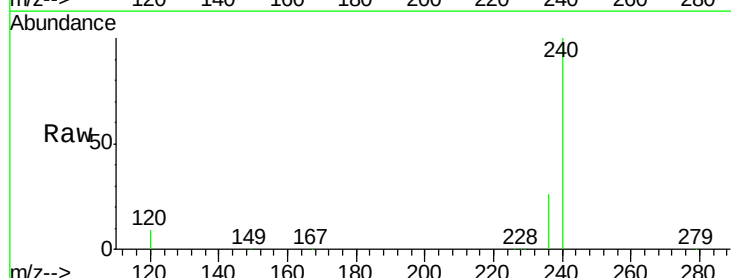
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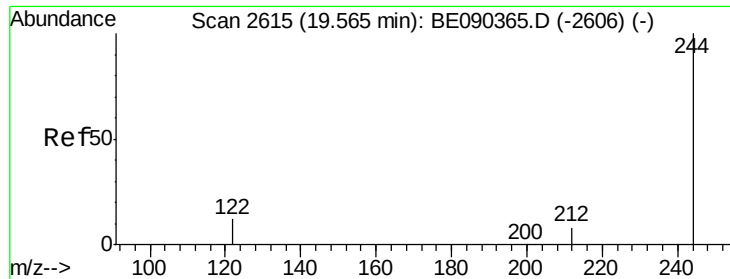
Tgt Ion:266 Resp: 13
 Ion Ratio Lower Upper
 266 100
 268 104.0 58.5 87.7#
 264 94.0 56.0 84.0#



#25
 Chrysene-d12
 Concen: 5.00 ng
 RT: 21.10 min Scan# 2865
 Delta R.T. -0.00 min
 Lab File: BE090430.D
 Acq: 11 Aug 2015 16:22

Tgt Ion:240 Resp: 140903
 Ion Ratio Lower Upper
 240 100
 120 9.4 8.3 12.5
 236 26.3 21.0 31.4





#27

Terphenyl-d14

Concen: 4.45 ng

RT: 19.56 min Scan# 2614

Delta R.T. -0.01 min

Lab File: BE090430.D

Acq: 11 Aug 2015 16:22

Instrument :

BNA_E

ClientSampleId :

PB84961BL

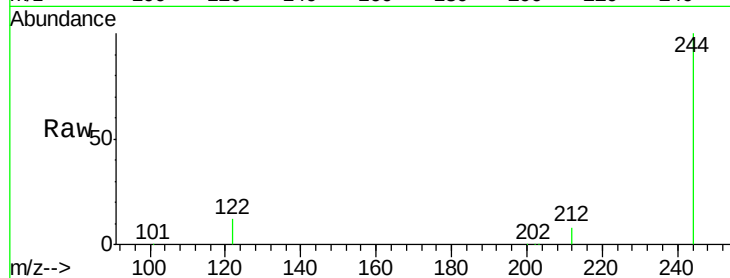
Tgt Ion:244 Resp: 92478

Ion Ratio Lower Upper

244 100

212 8.1 6.6 9.8

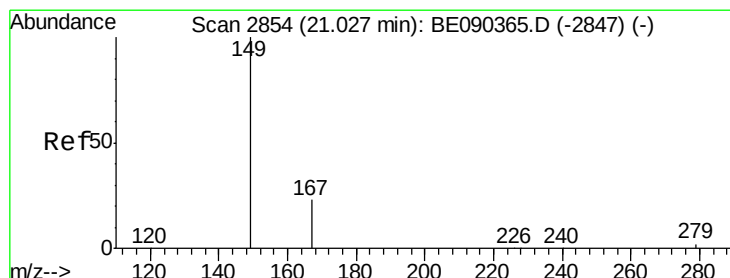
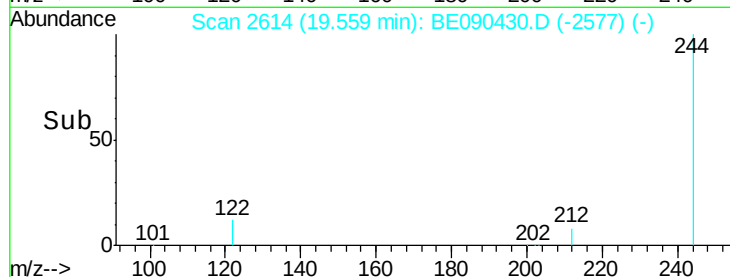
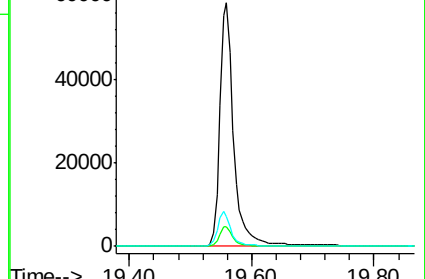
122 12.1 10.2 15.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#30

Bis(2-ethylhexyl)phthalate

Concen: 0.11 ng

RT: 21.03 min Scan# 2855

Delta R.T. 0.01 min

Lab File: BE090430.D

Acq: 11 Aug 2015 16:22

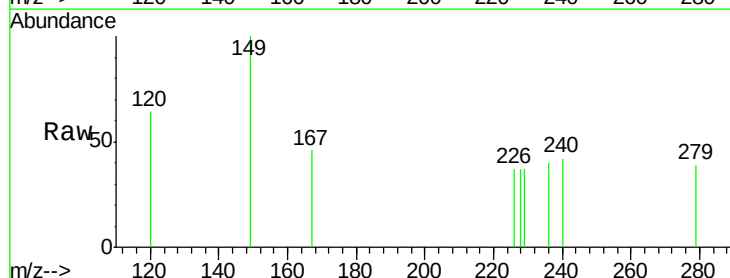
Tgt Ion:149 Resp: 45

Ion Ratio Lower Upper

149 100

167 53.3 19.8 29.8#

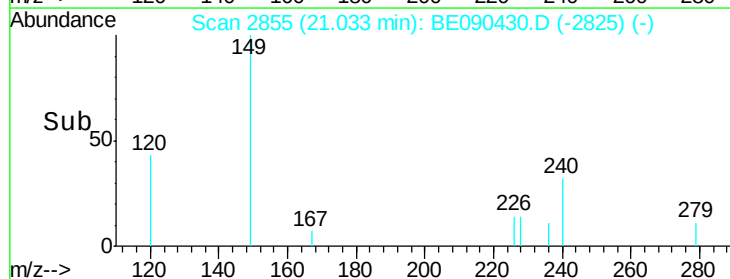
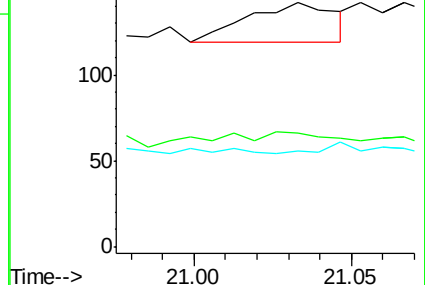
279 0.0 2.4 3.6#

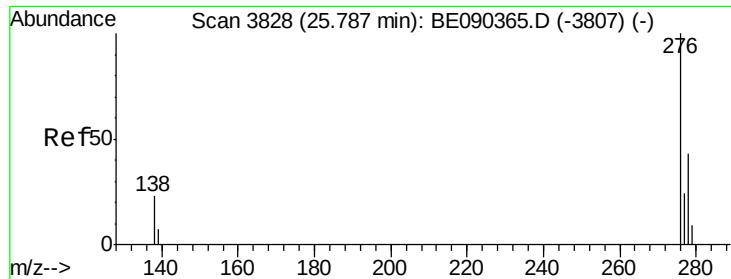


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#31

Indeno(1,2,3-cd)pyrene

Concen: 0.26 ng

RT: 25.80 min Scan# 3831

Delta R.T. 0.01 min

Lab File: BE090430.D

Acq: 11 Aug 2015 16:22

Instrument :

BNA_E

ClientSampleId :

PB84961BL

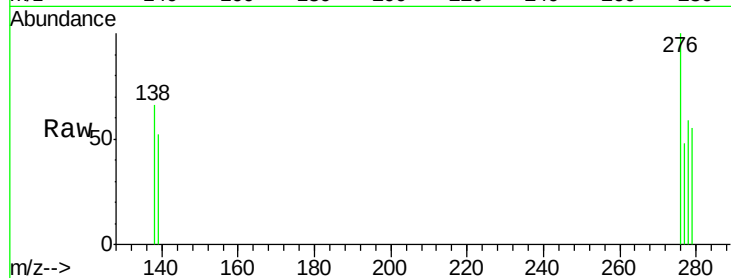
Tgt Ion: 276 Resp: 320

Ion Ratio Lower Upper

276 100

138 15.0 18.8 28.2#

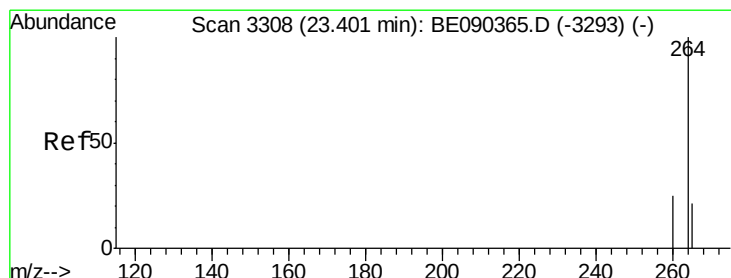
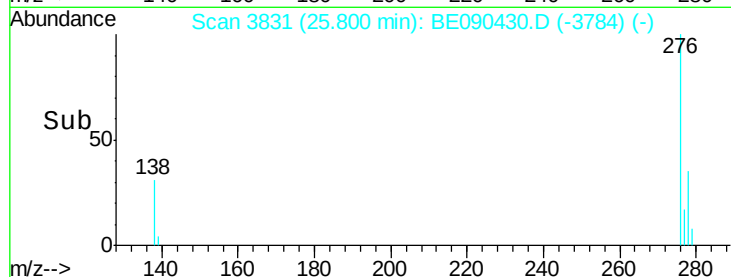
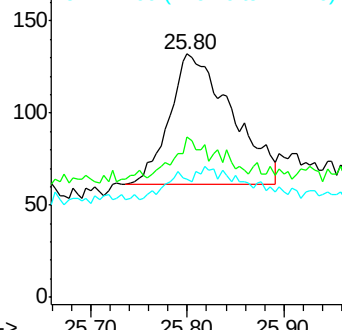
277 8.1 18.2 27.4#



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



#32

Perylene-d12

Concen: 5.00 ng

RT: 23.40 min Scan# 3307

Delta R.T. -0.00 min

Lab File: BE090430.D

Acq: 11 Aug 2015 16:22

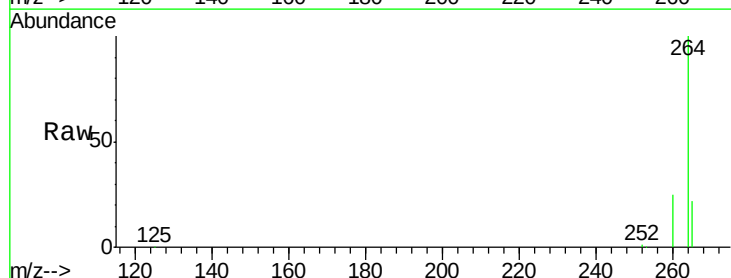
Tgt Ion: 264 Resp: 124726

Ion Ratio Lower Upper

264 100

260 25.0 20.1 30.1

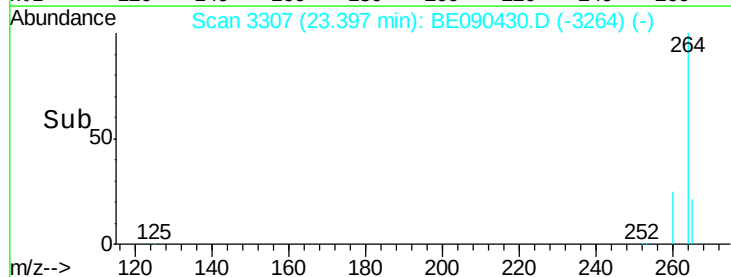
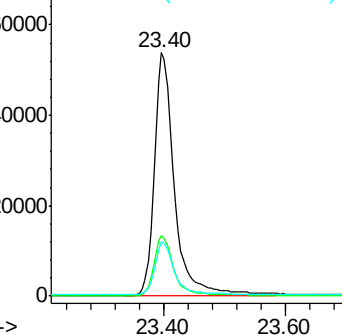
265 22.0 17.2 25.8

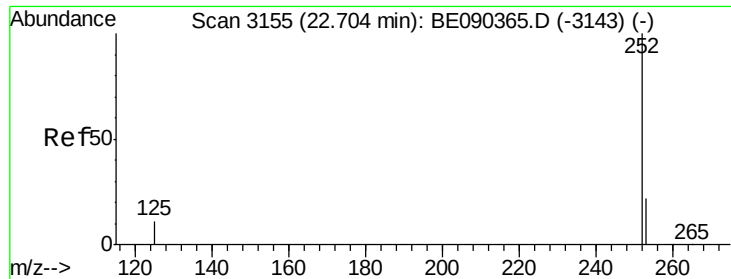


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#33

Benzo(b)fluoranthene

Concen: 0.20 ng

RT: 22.70 min Scan# 3155

Delta R.T. 0.00 min

Lab File: BE090430.D

Acq: 11 Aug 2015 16:22

Instrument :

BNA_E

ClientSampleId :

PB84961BL

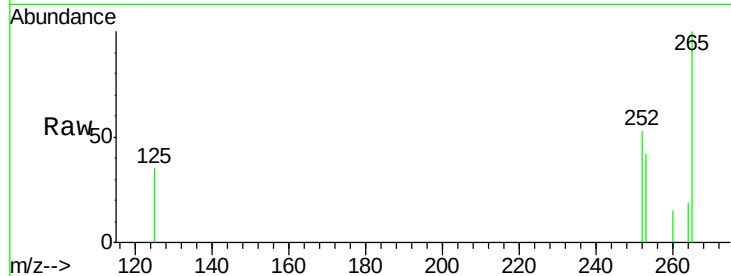
Tgt Ion: 252 Resp: 124

Ion Ratio Lower Upper

252 100

253 79.9 18.1 27.1#

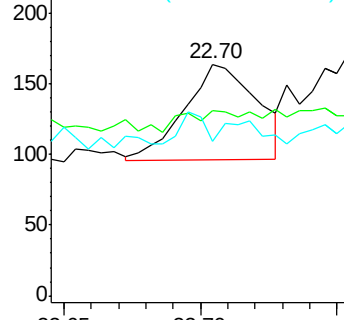
125 66.5 9.4 14.2#



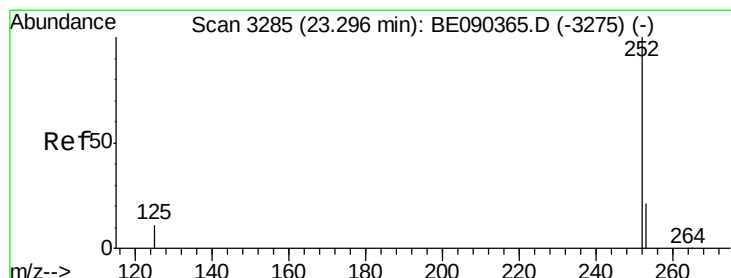
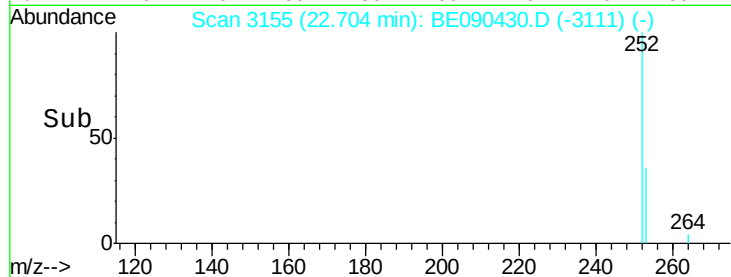
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time--> 22.65 22.70



#35

Benzo(a)pyrene

Concen: 0.23 ng

RT: 23.29 min Scan# 3284

Delta R.T. -0.00 min

Lab File: BE090430.D

Acq: 11 Aug 2015 16:22

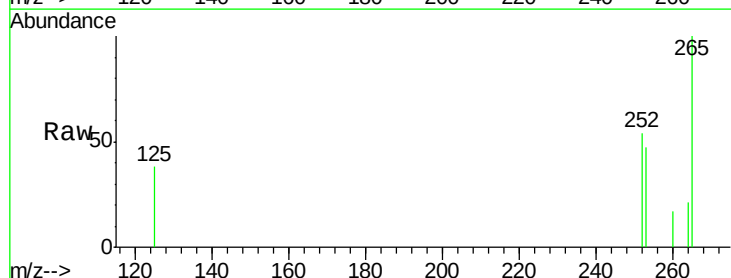
Tgt Ion: 252 Resp: 170

Ion Ratio Lower Upper

252 100

253 86.0 17.6 26.4#

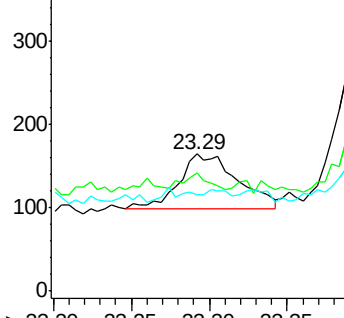
125 70.1 9.8 14.6#



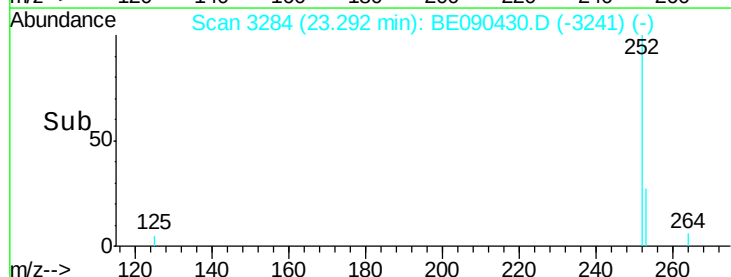
Abundance Ion 252.00 (251.70 to 252.70): E

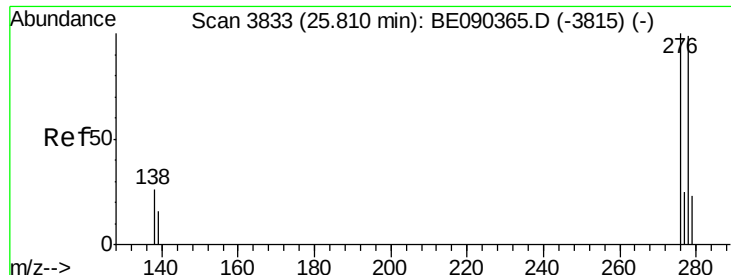
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time--> 23.20 23.25 23.30 23.35





#36

Dibenzo(a,h)anthracene

Concen: 0.29 ng

RT: 25.83 min Scan# 3837

Delta R.T. 0.02 min

Lab File: BE090430.D

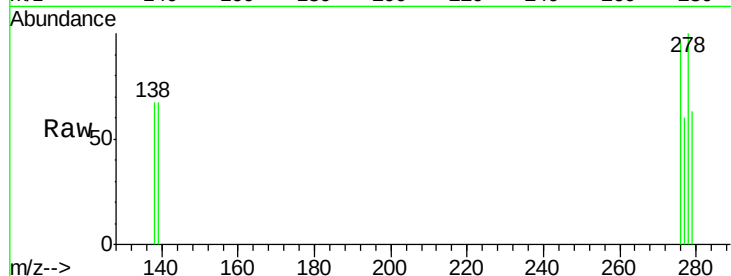
Acq: 11 Aug 2015 16:22

Instrument :

BNA_E

ClientSampleId :

PB84961BL



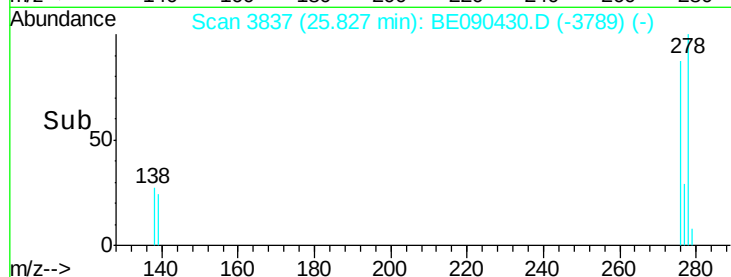
Tgt Ion: 278 Resp: 256

Ion Ratio Lower Upper

278 100

139 67.2 14.2 21.4#

279 62.9 20.1 30.1#



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

25.83

100

50

0

25.70 25.80 25.90

Time-->