

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE080515\
 Data File : BE090390.D
 Acq On : 6 Aug 2015 15:22
 Operator : TP/UM
 Sample : G3174-03RE
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 080215-D506-F-U-BRE

Quant Time: Aug 06 16:14:58 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	33281	5.00	ng	0.00
6) Naphthalene-d8	10.34	136	146381	5.00	ng	0.00
12) Acenaphthene-d10	14.20	164	84362	5.00	ng	0.00
18) Phenanthrene-d10	16.94	188	200469	5.00	ng	0.00
25) Chrysene-d12	21.10	240	244546	5.00	ng	0.00
32) Perylene-d12	23.40	264	234892	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.21	112	18435	3.69	ng	0.00
5) Phenol-d6	6.77	99	14698	1.56	ng	0.00
7) Nitrobenzene-d5	8.73	82	41632	3.55	ng	0.00
13) 2,4,6-Tribromophenol	15.69	330	22053	8.36	ng	-0.02
14) 2-Fluorobiphenyl	12.82	172	99404	4.28	ng	0.00
27) Terphenyl-d14	19.55	244	176381	4.90	ng	-0.01

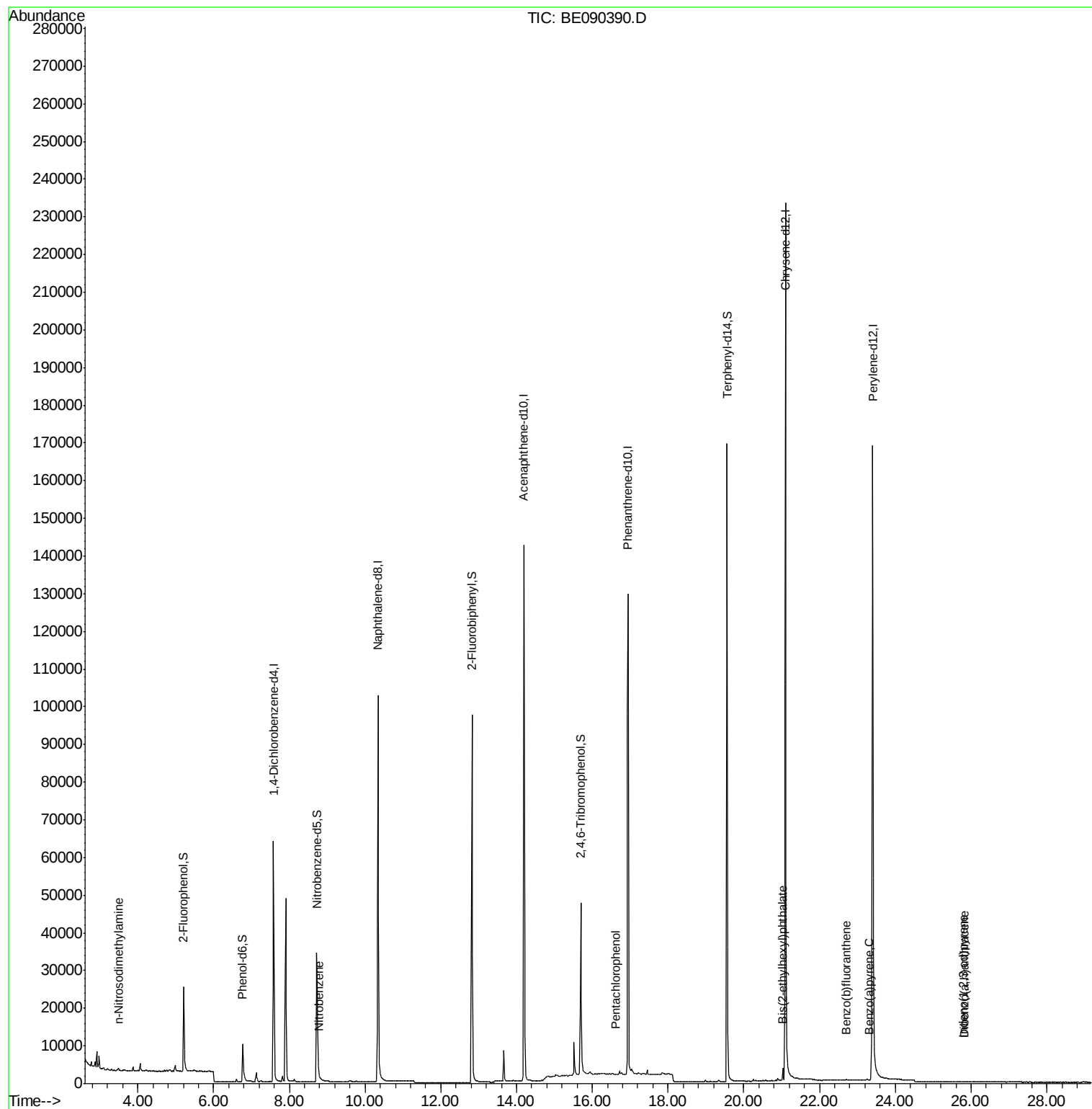
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) n-Nitrosodimethylamine	3.49	42	122	0.02	ng	# 4
8) Nitrobenzene	8.80	77	8	0.21	ng	# 67
10) Hexachlorobutadiene	10.67	225	3	Below Cal		# 14
21) Pentachlorophenol	16.61	266	40	0.12	ng	# 73
30) Bis(2-ethylhexyl)phthalate	21.03	149	3060	0.34	ng	99
31) Indeno(1,2,3-cd)pyrene	25.79	276	221	0.26	ng	97
33) Benzo(b)fluoranthene	22.71	252	462	0.20	ng	# 1
35) Benzo(a)pyrene	23.29	252	147	0.23	ng	# 1
36) Dibenzo(a,h)anthracene	25.81	278	148	0.29	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: 7.58 min Scan# 845

Delta R.T. -0.01 min

Lab File: BE090390.D

Acq: 6 Aug 2015 15:22

Instrument :

BNA_E

ClientSampleId :

080215-D506-F-U-BRE

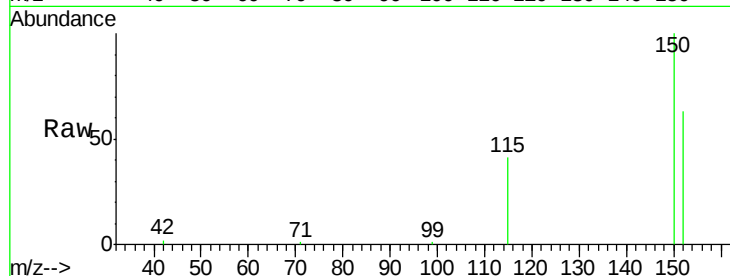
Tgt Ion:152 Resp: 33281

Ion Ratio Lower Upper

152 100

150 158.6 123.0 184.4

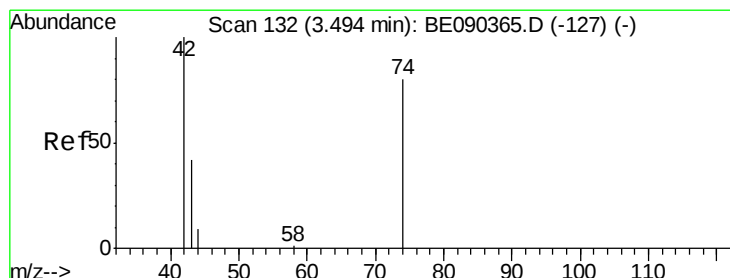
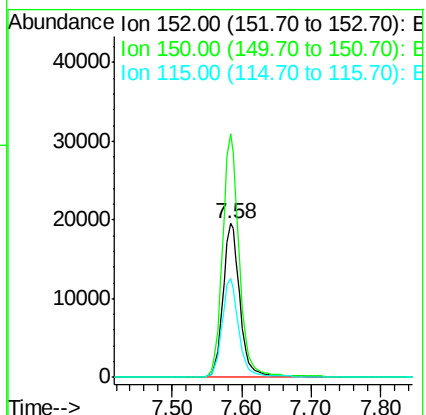
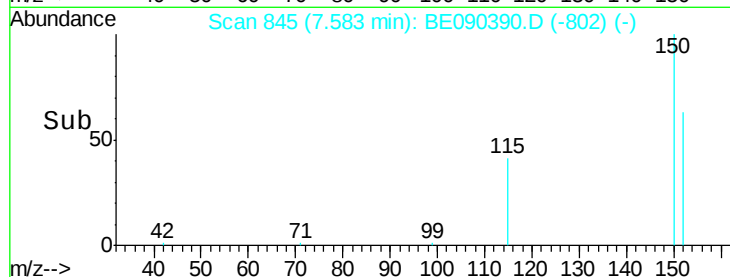
115 64.5 48.9 73.3



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



#3

n-Nitrosodimethylamine

Concen: 0.02 ng

RT: 3.49 min Scan# 131

Delta R.T. -0.01 min

Lab File: BE090390.D

Acq: 6 Aug 2015 15:22

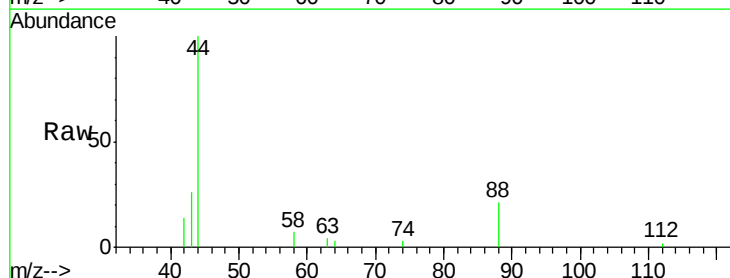
Tgt Ion: 42 Resp: 122

Ion Ratio Lower Upper

42 100

74 8.2 75.2 112.8#

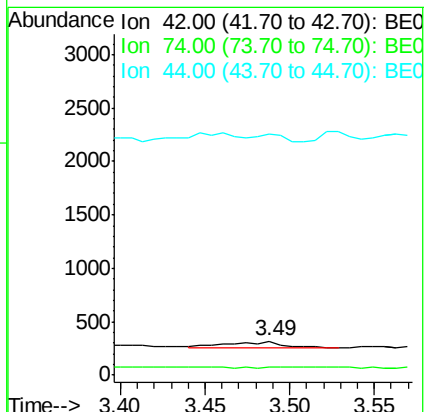
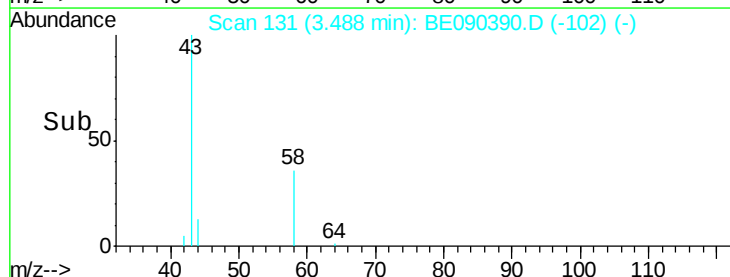
44 68.9 8.7 13.1#



Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0





#4

2-Fluorophenol

Concen: 3.69 ng

RT: 5.21 min Scan# 385

Delta R.T. -0.01 min

Lab File: BE090390.D

Acq: 6 Aug 2015 15:22

Instrument :

BNA_E

ClientSampleId :

080215-D506-F-U-BRE

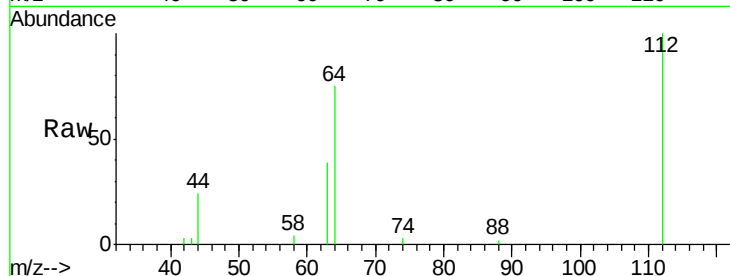
Tgt Ion: 112 Resp: 18435

Ion Ratio Lower Upper

112 100

64 70.5 37.1 55.7#

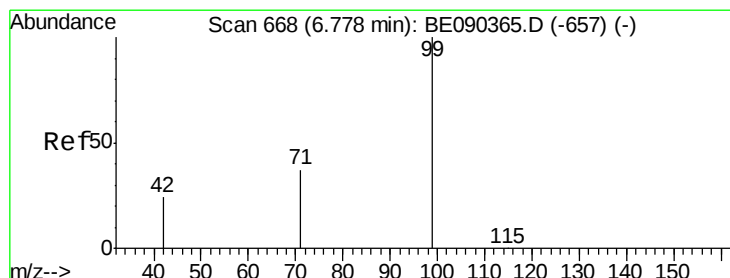
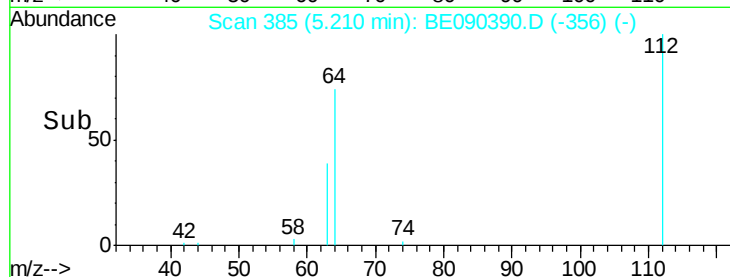
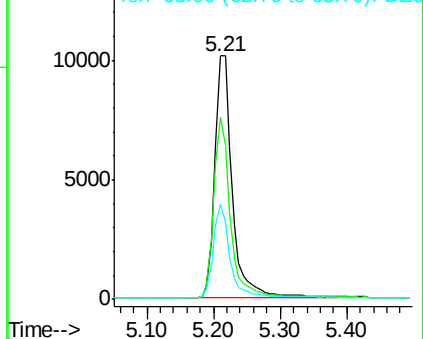
63 35.8 19.5 29.3#



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: 1.56 ng

RT: 6.77 min Scan# 666

Delta R.T. -0.01 min

Lab File: BE090390.D

Acq: 6 Aug 2015 15:22

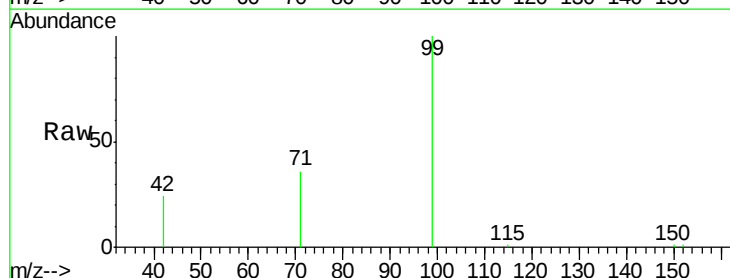
Tgt Ion: 99 Resp: 14698

Ion Ratio Lower Upper

99 100

42 22.6 18.2 27.4

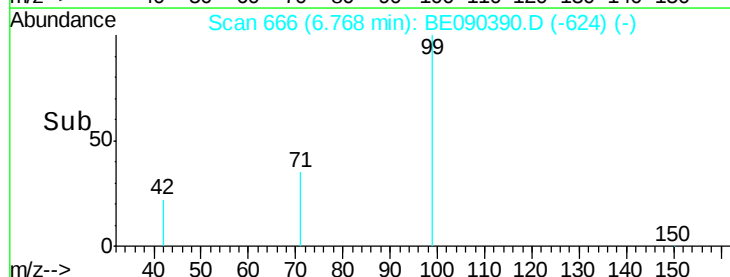
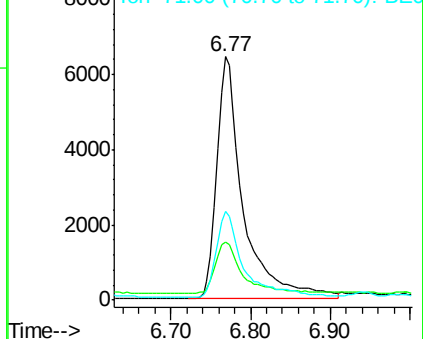
71 37.2 27.4 41.0

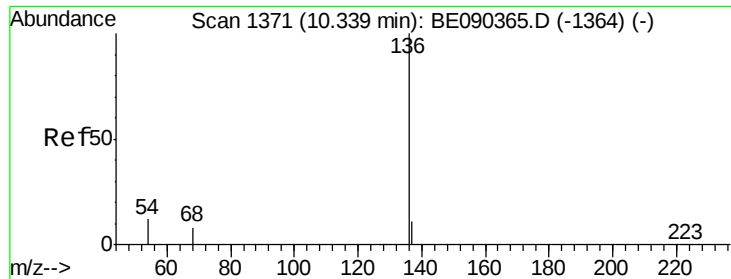


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0





#6

Naphthalene-d8

Concen: 5.00 ng

RT: 10.34 min Scan# 1371

Delta R.T. 0.00 min

Lab File: BE090390.D

Acq: 6 Aug 2015 15:22

Instrument :

BNA_E

ClientSampleId :

080215-D506-F-U-BRE

Tgt Ion: 136 Resp: 146381

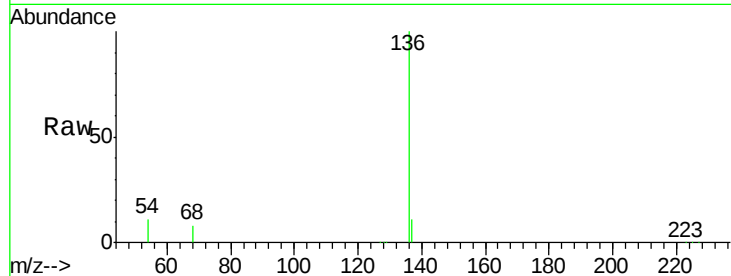
Ion Ratio Lower Upper

136 100

137 10.9 8.7 13.1

54 11.2 9.4 14.0

68 8.1 6.5 9.7

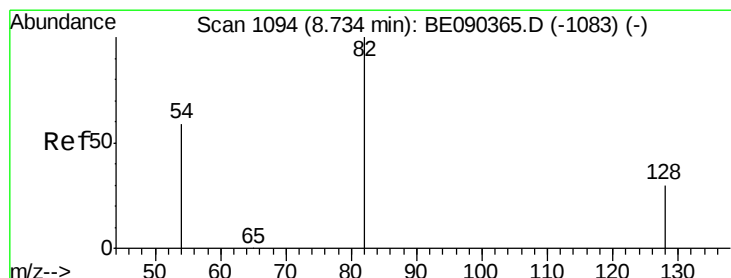
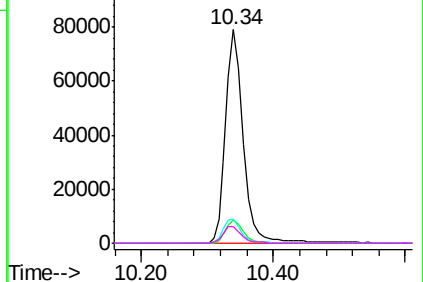
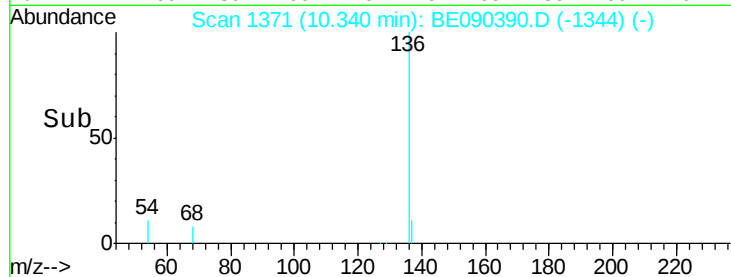


Abundance Ion 136.00 (135.70 to 136.70): E

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: 3.55 ng

RT: 8.73 min Scan# 1092

Delta R.T. -0.01 min

Lab File: BE090390.D

Acq: 6 Aug 2015 15:22

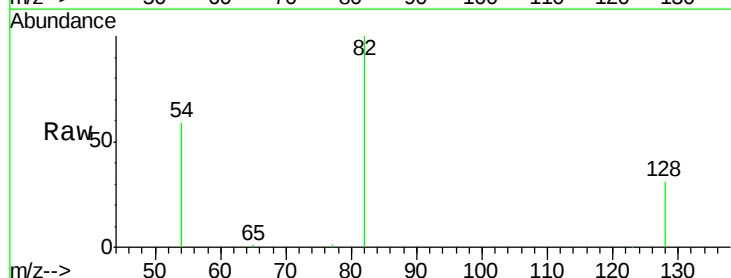
Tgt Ion: 82 Resp: 41632

Ion Ratio Lower Upper

82 100

128 31.4 25.0 37.6

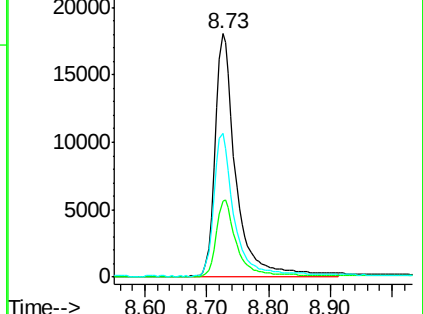
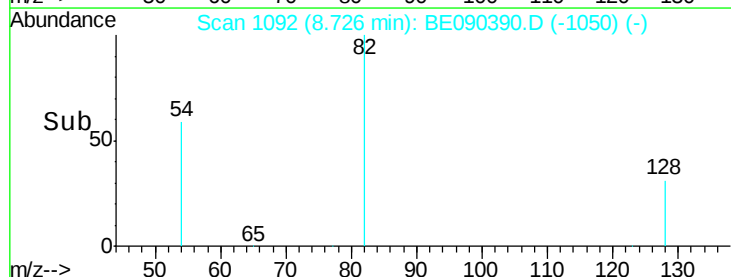
54 58.9 48.8 73.2

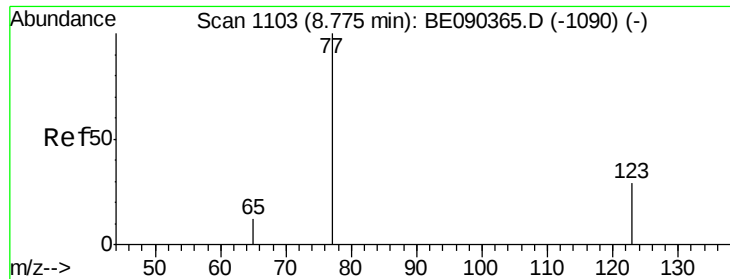


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0

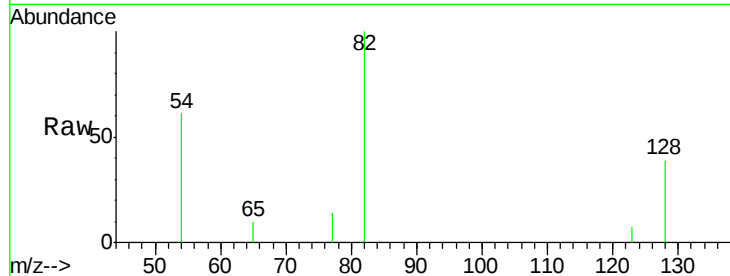




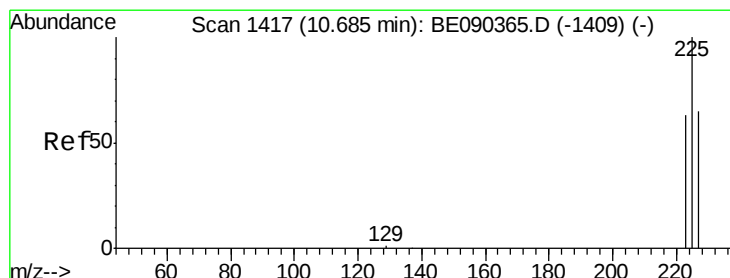
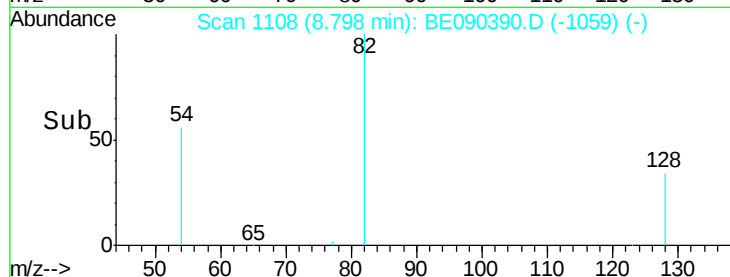
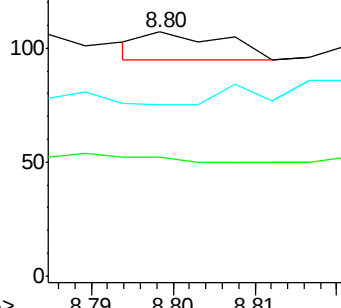
#8
 Nitrobenzene
 Concen: 0.21 ng
 RT: 8.80 min Scan# 1108
 Delta R.T. 0.02 min
 Lab File: BE090390.D
 Acq: 6 Aug 2015 15:22

Instrument :
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 080215-D506-F-U-BRE

Tgt Ion: 77 Resp: 8
 Ion Ratio Lower Upper
 77 100
 123 50.0 25.1 37.7#
 65 0.0 9.3 13.9#

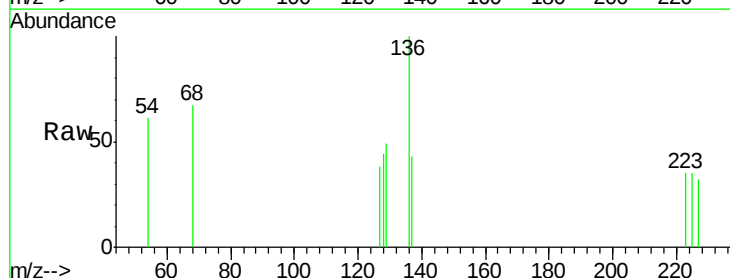


Abundance Ion 77.00 (76.70 to 77.70): BE0
 Ion 123.00 (122.70 to 123.70): BE0
 Ion 65.00 (64.70 to 65.70): BE0

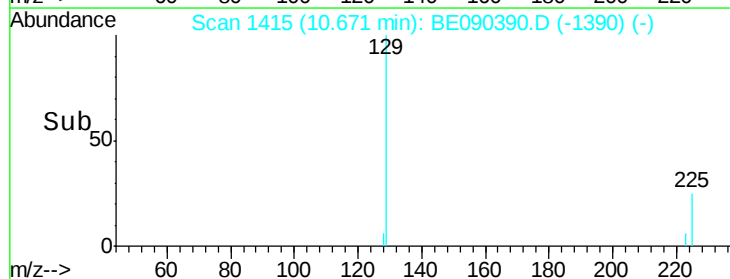
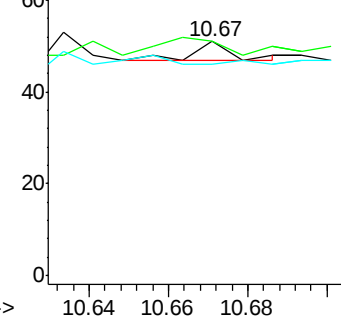


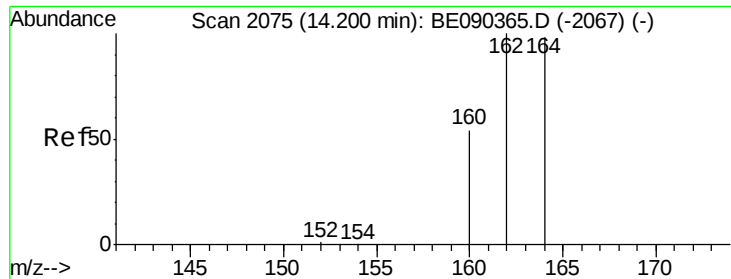
#10
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 10.67 min Scan# 1415
 Delta R.T. -0.01 min
 Lab File: BE090390.D
 Acq: 6 Aug 2015 15:22

Tgt Ion: 225 Resp: 3
 Ion Ratio Lower Upper
 225 100
 223 133.3 50.6 75.8#
 227 0.0 50.7 76.1#



Abundance Ion 225.00 (224.70 to 225.70): BE
 Ion 223.00 (222.70 to 223.70): BE
 Ion 227.00 (226.70 to 227.70): BE





#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.20 min Scan# 2075

Delta R.T. 0.00 min

Lab File: BE090390.D

Acq: 6 Aug 2015 15:22

Instrument :

BNA_E

ClientSampleId :

080215-D506-F-U-BRE

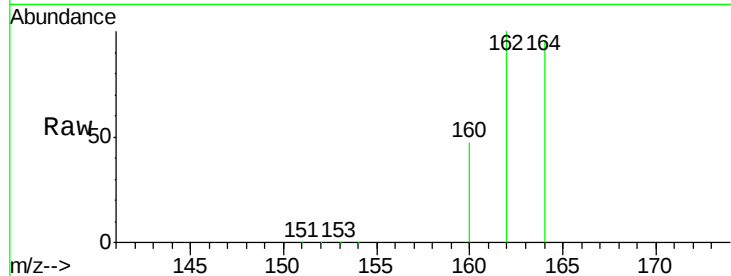
Tgt Ion:164 Resp: 84362

Ion Ratio Lower Upper

164 100

162 103.8 81.8 122.8

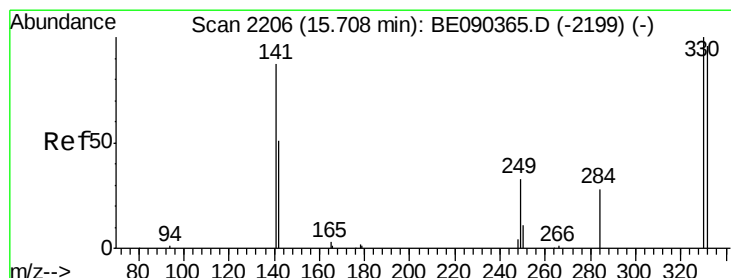
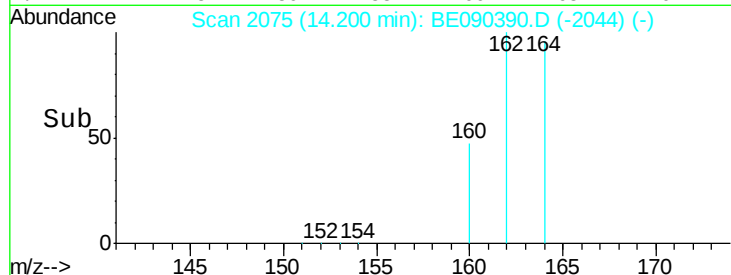
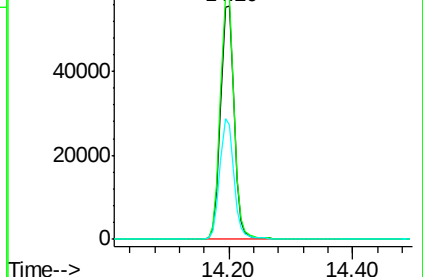
160 49.0 44.2 66.4



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: 8.36 ng

RT: 15.69 min Scan# 2205

Delta R.T. -0.02 min

Lab File: BE090390.D

Acq: 6 Aug 2015 15:22

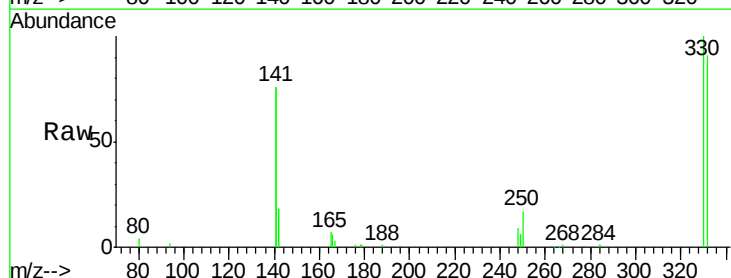
Tgt Ion:330 Resp: 22053

Ion Ratio Lower Upper

330 100

332 96.3 75.8 113.6

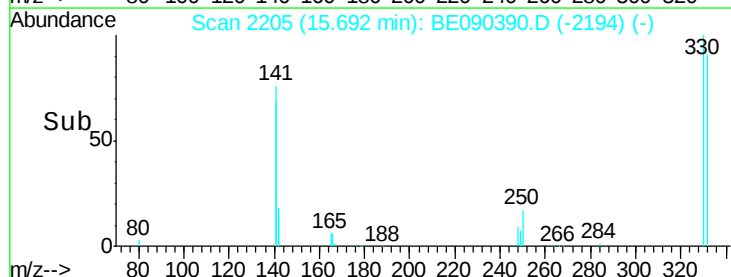
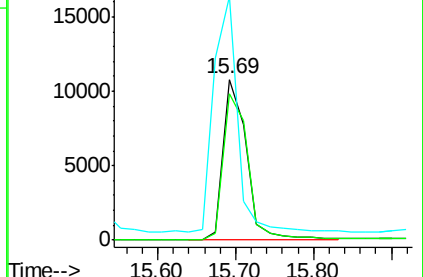
141 151.0 114.4 171.6



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

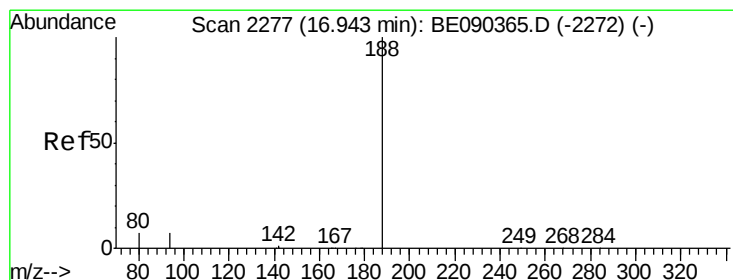
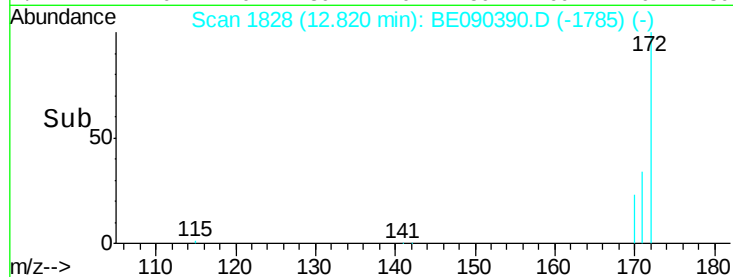
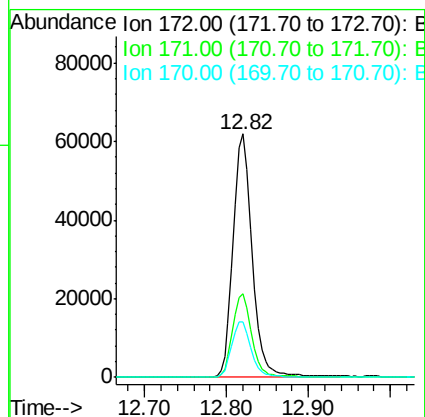
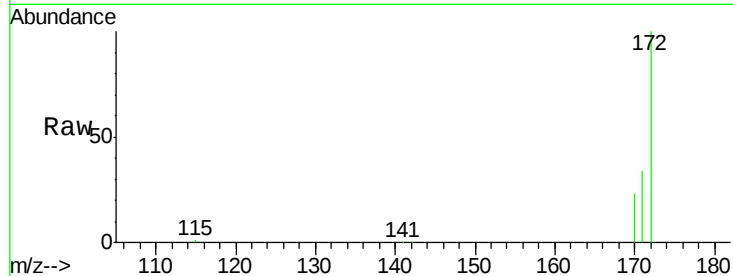




#14
2-Fluorobiphenyl
Concen: 4.28 ng
RT: 12.82 min Scan# 1828
Delta R.T. -0.00 min
Lab File: BE090390.D
Acq: 6 Aug 2015 15:22

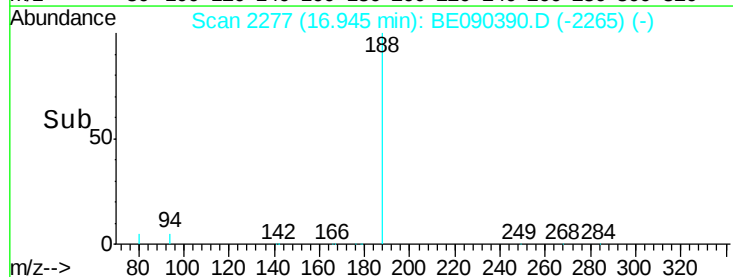
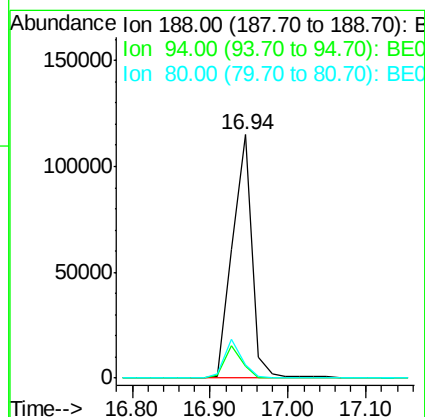
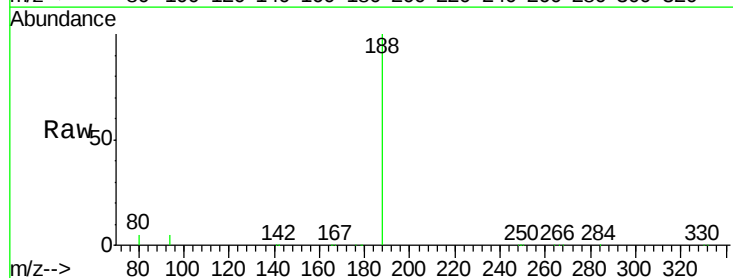
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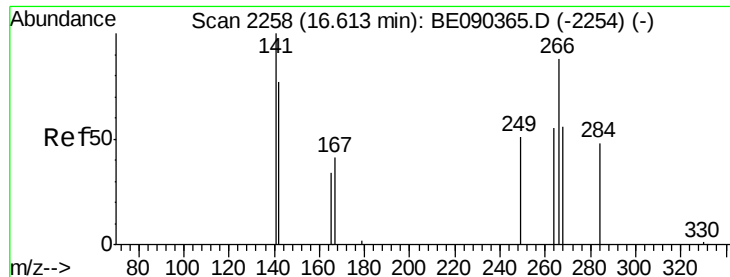
Tgt Ion:172 Resp: 99404
Ion Ratio Lower Upper
172 100
171 34.1 28.5 42.7
170 23.0 19.8 29.8



#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.94 min Scan# 2277
Delta R.T. 0.00 min
Lab File: BE090390.D
Acq: 6 Aug 2015 15:22

Tgt Ion:188 Resp: 200469
Ion Ratio Lower Upper
188 100
94 5.0 5.7 8.5#
80 5.3 5.8 8.8#





#21

Pentachlorophenol

Concen: 0.12 ng

RT: 16.61 min Scan# 2258

Delta R.T. 0.00 min

Lab File: BE090390.D

Acq: 6 Aug 2015 15:22

Instrument :

BNA_E

ClientSampleId :

080215-D506-F-U-BRE

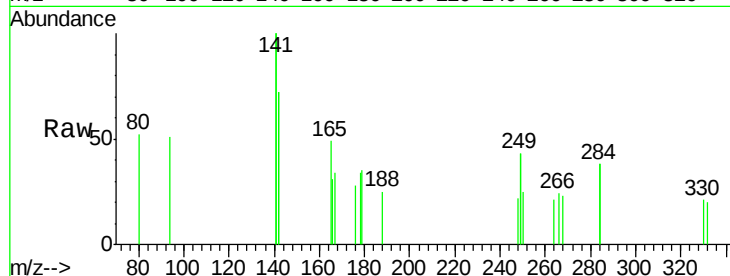
Tgt Ion:266 Resp: 40

Ion Ratio Lower Upper

266 100

268 98.3 58.5 87.7#

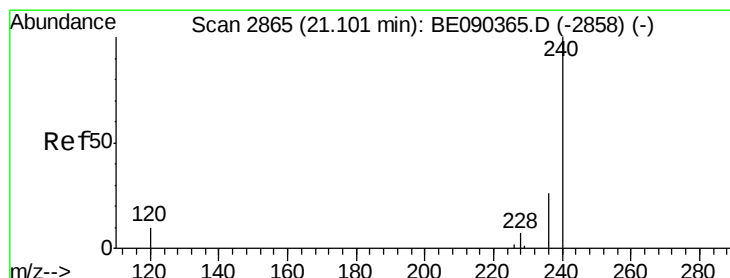
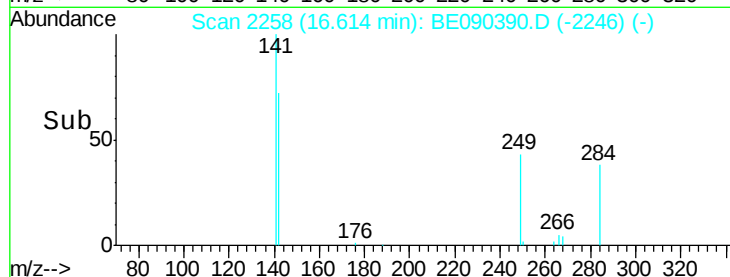
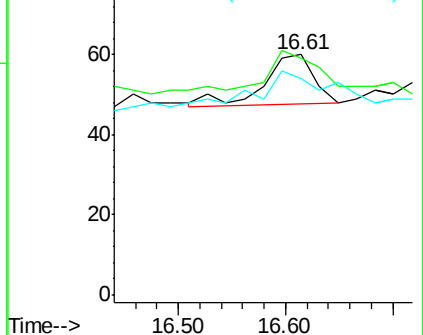
264 90.0 56.0 84.0#



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



#25

Chrysene-d12

Concen: 5.00 ng

RT: 21.10 min Scan# 2864

Delta R.T. -0.00 min

Lab File: BE090390.D

Acq: 6 Aug 2015 15:22

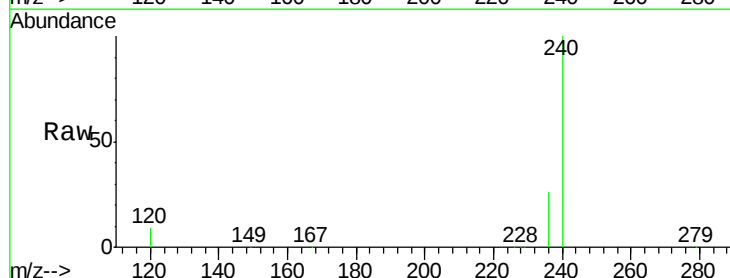
Tgt Ion:240 Resp: 244546

Ion Ratio Lower Upper

240 100

120 9.4 8.3 12.5

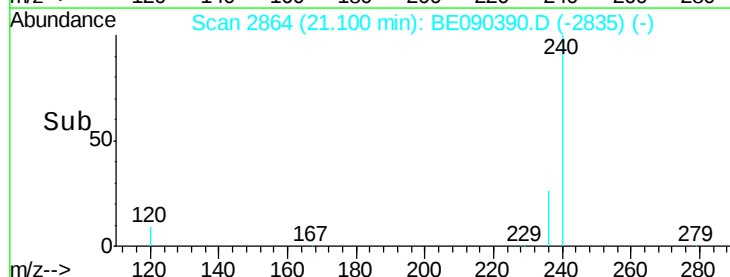
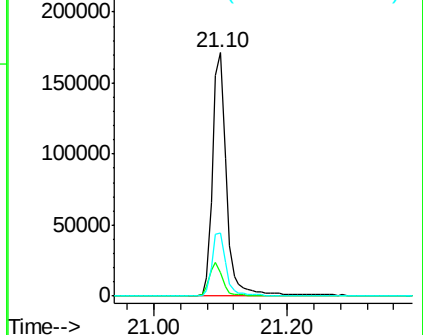
236 26.1 21.0 31.4

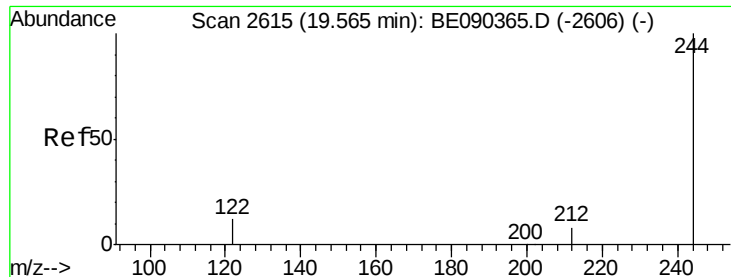


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#27

Terphenyl-d14

Concen: 4.90 ng

RT: 19.55 min Scan# 2613

Delta R.T. -0.01 min

Lab File: BE090390.D

Acq: 6 Aug 2015 15:22

Instrument :

BNA_E

ClientSampleId :

080215-D506-F-U-BRE

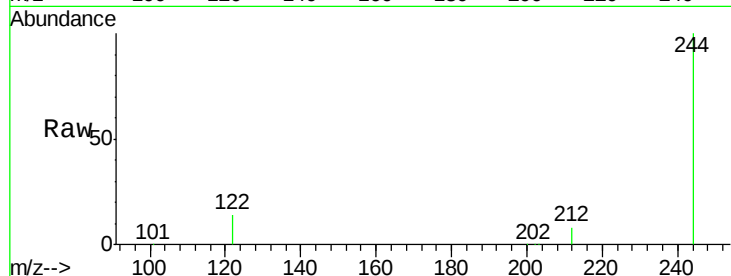
Tgt Ion:244 Resp: 176381

Ion Ratio Lower Upper

244 100

212 8.3 6.6 9.8

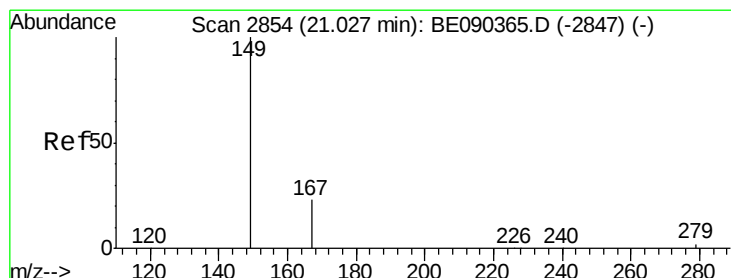
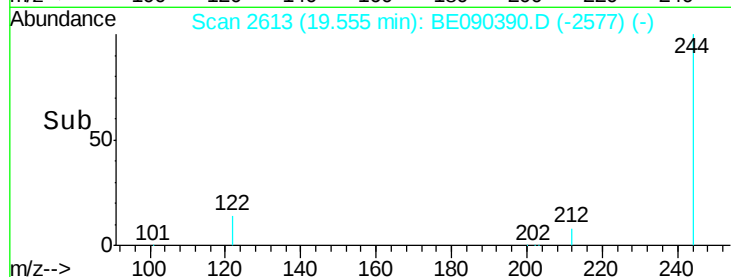
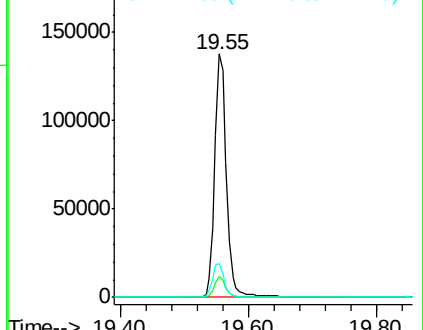
122 14.0 10.2 15.4



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: 0.34 ng

RT: 21.03 min Scan# 2853

Delta R.T. -0.00 min

Lab File: BE090390.D

Acq: 6 Aug 2015 15:22

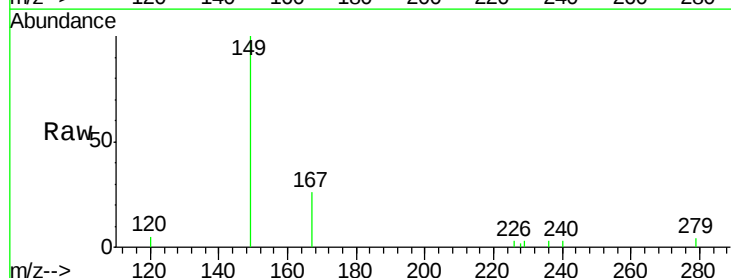
Tgt Ion:149 Resp: 3060

Ion Ratio Lower Upper

149 100

167 24.3 19.8 29.8

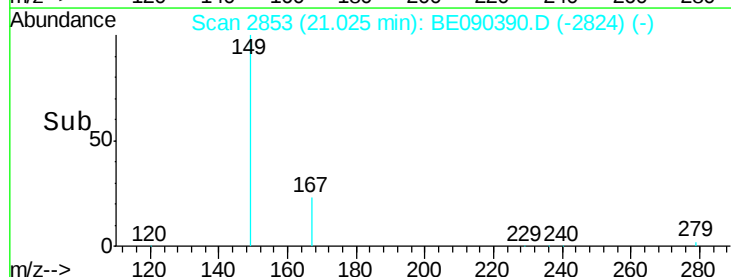
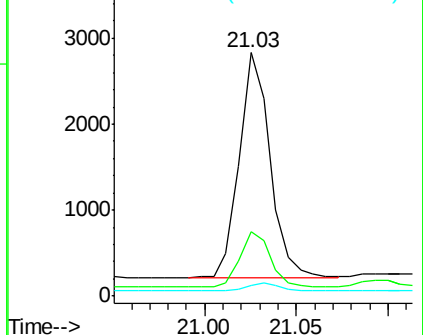
279 3.6 2.4 3.6

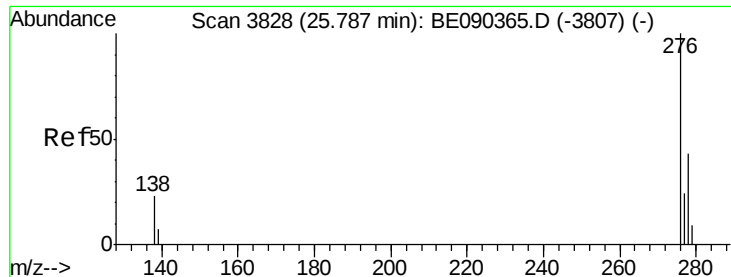


Abundance Ion 149.00 (148.70 to 149.70): E

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: 25.79 min Scan# 3829

Delta R.T. 0.00 min

Lab File: BE090390.D

Acq: 6 Aug 2015 15:22

Instrument :

BNA_E

ClientSampleId :

080215-D506-F-U-BRE

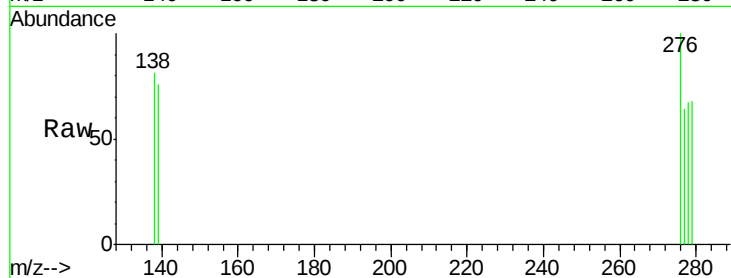
Tgt Ion: 276 Resp: 221

Ion Ratio Lower Upper

276 100

138 24.0 18.8 28.2

277 20.4 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

25.79

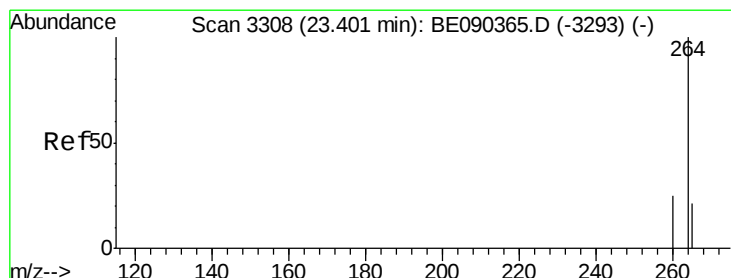
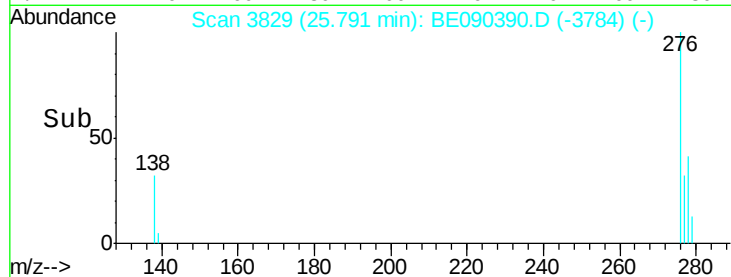
100

50

0

25.70 25.75 25.80 25.85

Time-->



#32

Perylene-d12

Concen: 5.00 ng

RT: 23.40 min Scan# 3308

Delta R.T. 0.00 min

Lab File: BE090390.D

Acq: 6 Aug 2015 15:22

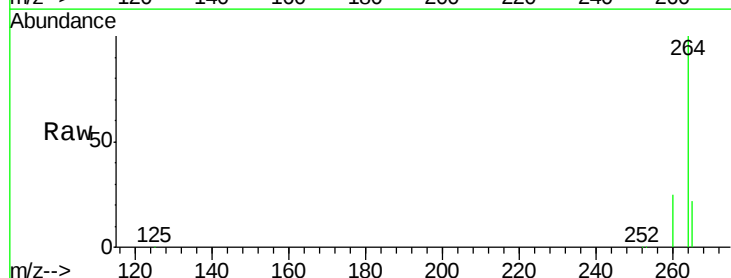
Tgt Ion: 264 Resp: 234892

Ion Ratio Lower Upper

264 100

260 24.9 20.1 30.1

265 21.8 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

23.40

150000

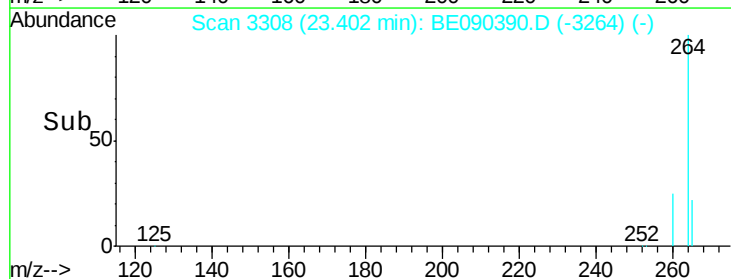
100000

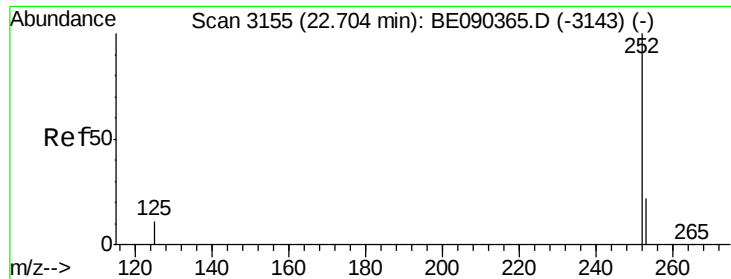
50000

0

23.40 23.60

Time-->





#33

Benzo(b)fluoranthene

Concen: 0.20 ng

RT: 22.71 min Scan# 3155

Delta R.T. 0.00 min

Lab File: BE090390.D

Acq: 6 Aug 2015 15:22

Instrument :

BNA_E

ClientSampleId :

080215-D506-F-U-BRE

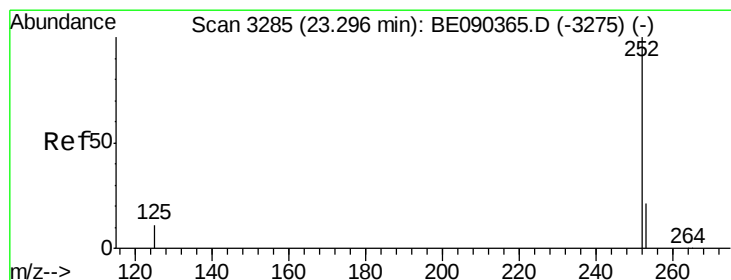
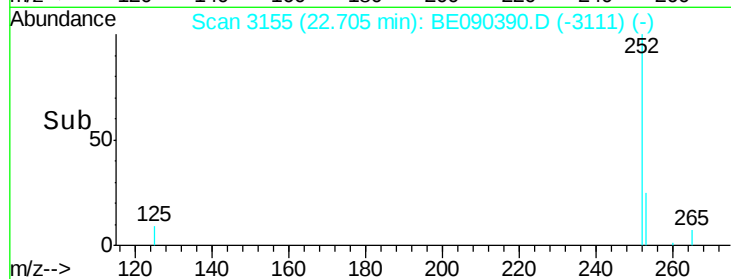
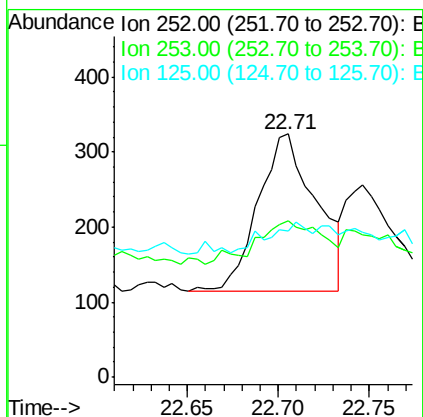
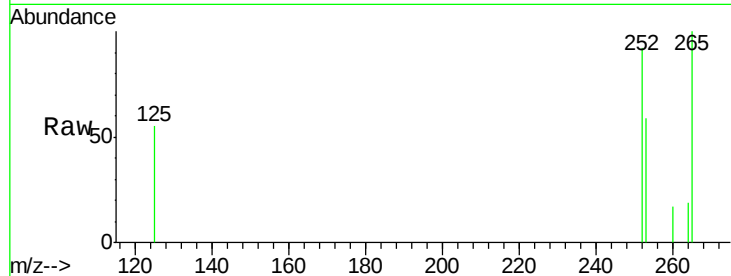
Tgt Ion:252 Resp: 462

Ion Ratio Lower Upper

252 100

253 64.2 18.1 27.1#

125 59.9 9.4 14.2#



#35

Benzo(a)pyrene

Concen: 0.23 ng

RT: 23.29 min Scan# 3284

Delta R.T. -0.00 min

Lab File: BE090390.D

Acq: 6 Aug 2015 15:22

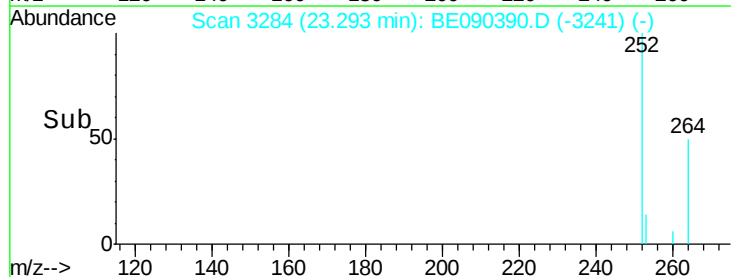
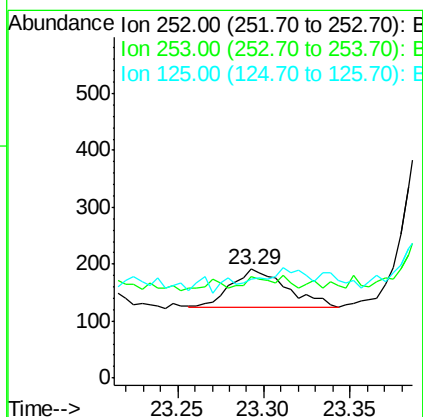
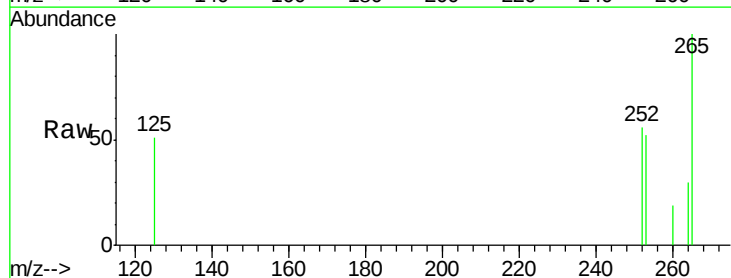
Tgt Ion:252 Resp: 147

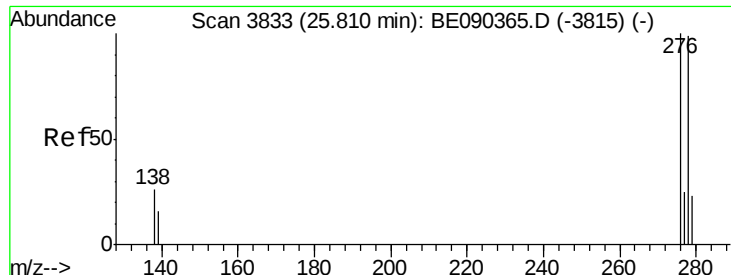
Ion Ratio Lower Upper

252 100

253 93.7 17.6 26.4#

125 91.1 9.8 14.6#





#36

Dibenzo(a,h)anthracene

Concen: 0.29 ng

RT: 25.81 min Scan# 3833

Delta R.T. -0.00 min

Lab File: BE090390.D

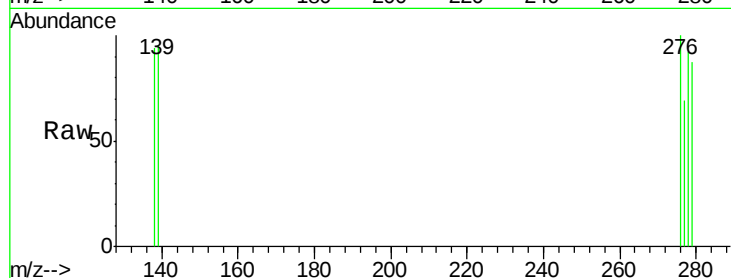
Acq: 6 Aug 2015 15:22

Instrument :

BNA_E

ClientSampleId :

080215-D506-F-U-BRE



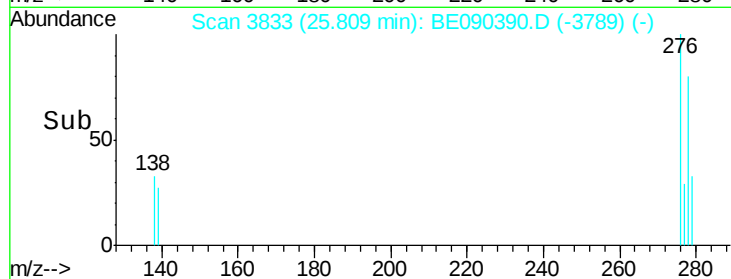
Tgt Ion: 278 Resp: 148

Ion Ratio Lower Upper

278 100

139 103.2 14.2 21.4#

279 94.6 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

