

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE081015\
 Data File : BE090408.D
 Acq On : 10 Aug 2015 19:01
 Operator : TP/UM
 Sample : G3197-01
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 080515-D534-E-D-B

Quant Time: Aug 11 03:17:11 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	27957	5.00	ng	0.00
6) Naphthalene-d8	10.34	136	128684	5.00	ng	0.00
12) Acenaphthene-d10	14.20	164	75207	5.00	ng	0.00
18) Phenanthrene-d10	16.94	188	176023	5.00	ng	0.00
25) Chrysene-d12	21.10	240	215341	5.00	ng	0.00
32) Perylene-d12	23.40	264	213340	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.21	112	15494	3.69	ng	0.00
5) Phenol-d6	6.77	99	14722	1.82	ng	0.00
7) Nitrobenzene-d5	8.72	82	31044	3.05	ng	0.00
13) 2,4,6-Tribromophenol	15.69	330	18708	8.09	ng	-0.02
14) 2-Fluorobiphenyl	12.82	172	69641	3.37	ng	0.00
27) Terphenyl-d14	19.56	244	134604	4.24	ng	0.00

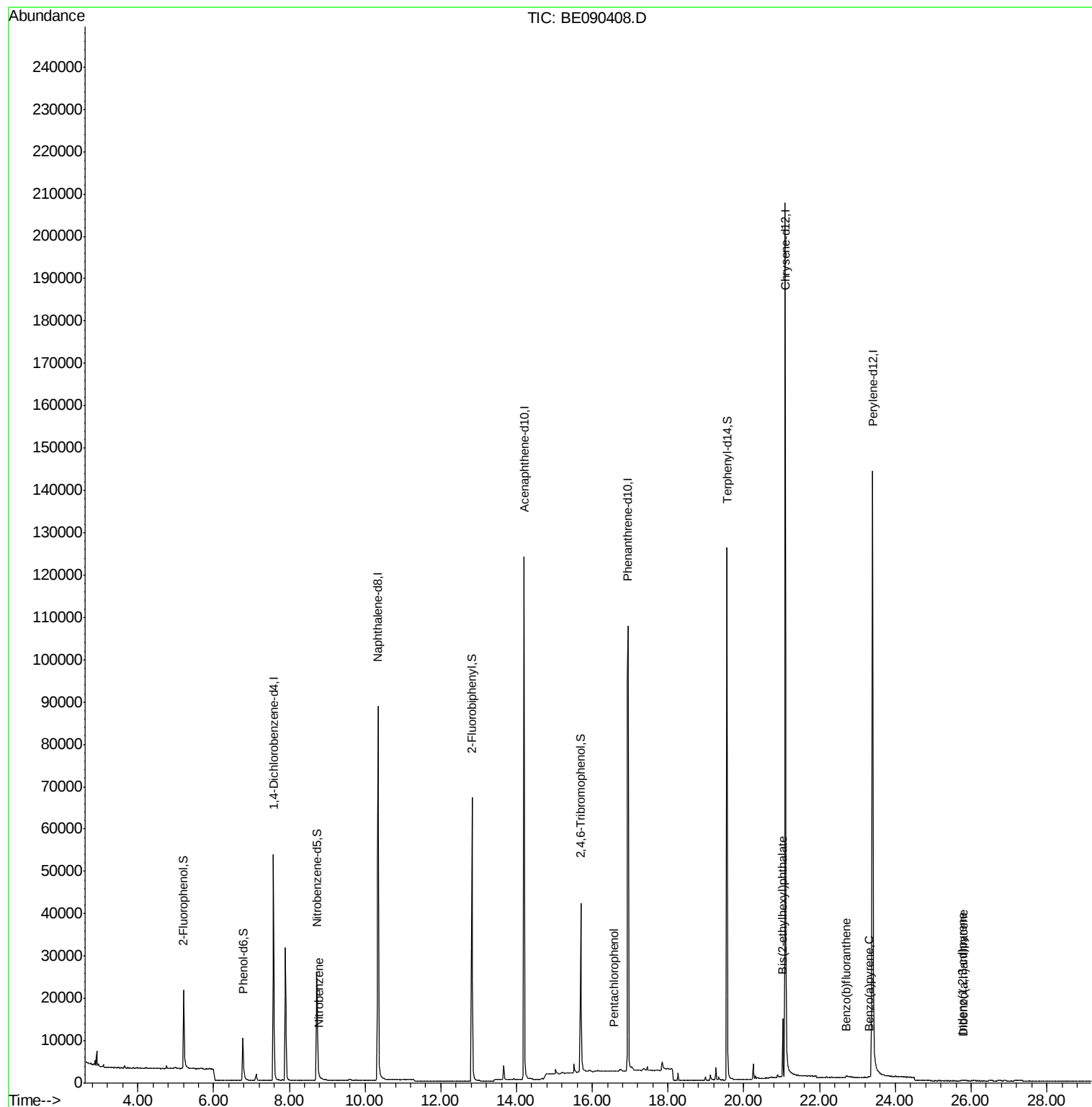
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.28	88	24	Below Cal	#	1
8) Nitrobenzene	8.78	77	14	0.21 ng	#	50
10) Hexachlorobutadiene	10.70	225	7	Below Cal	#	81
21) Pentachlorophenol	16.58	266	32	0.12 ng	#	65
30) Bis(2-ethylhexyl)phthalate	21.03	149	11822	1.06 ng		98
31) Indeno(1,2,3-cd)pyrene	25.78	276	319	0.26 ng	#	85
33) Benzo(b)fluoranthene	22.70	252	474	0.20 ng	#	1
35) Benzo(a)pyrene	23.29	252	276	0.23 ng	#	1
36) Dibenzo(a,h)anthracene	25.80	278	181	0.29 ng	#	1

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

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE081015\
Data File : BE090408.D
Acq On : 10 Aug 2015 19:01
Operator : TP/UM
Sample : G3197-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
080515-D534-E-D-B

Quant Time: Aug 11 03:17:11 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





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.58 min Scan# 845

Delta R.T. -0.01 min

Lab File: BE090408.D

Acq: 10 Aug 2015 19:01

Instrument :

BNA_E

ClientSampleId :

080515-D534-E-D-B

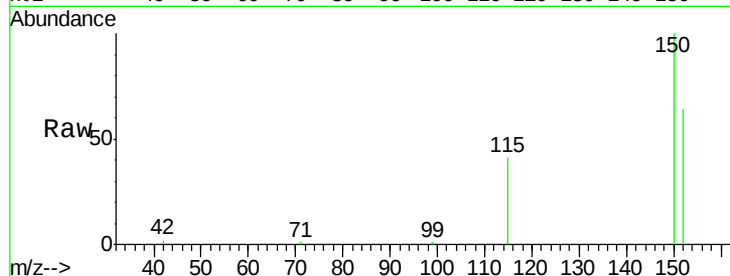
Tgt Ion: 152 Resp: 27957

Ion Ratio Lower Upper

152 100

150 155.3 123.0 184.4

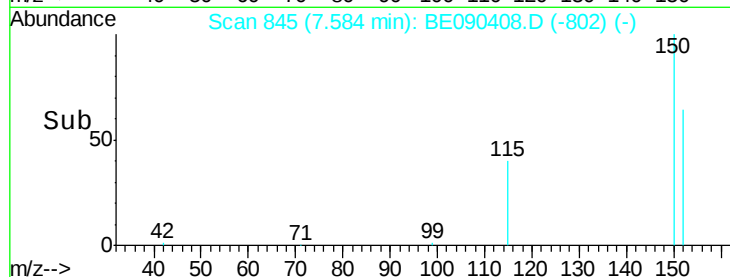
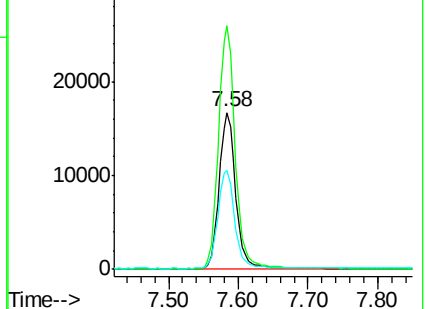
115 63.1 48.9 73.3



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



#2

1,4-Dioxane

Concen: Below Cal

RT: 3.28 min Scan# 101

Delta R.T. 0.09 min

Lab File: BE090408.D

Acq: 10 Aug 2015 19:01

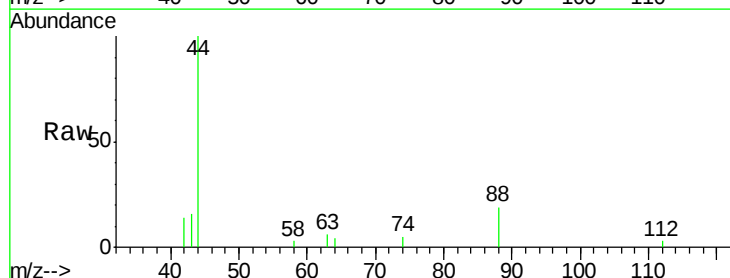
Tgt Ion: 88 Resp: 24

Ion Ratio Lower Upper

88 100

58 0.0 70.0 105.0#

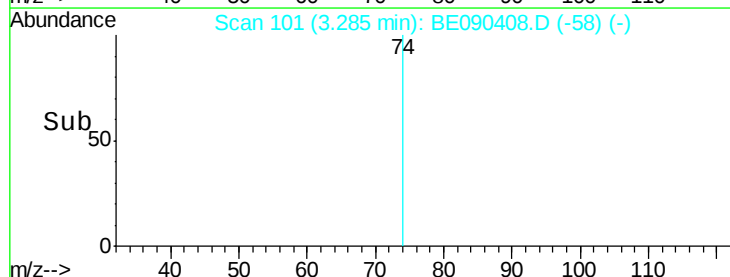
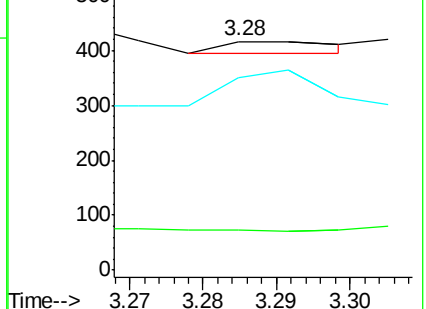
43 541.7 28.4 42.6#



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: 3.69 ng

RT: 5.21 min Scan# 385

Delta R.T. -0.01 min

Lab File: BE090408.D

Acq: 10 Aug 2015 19:01

Instrument :

BNA_E

ClientSampleId :

080515-D534-E-D-B

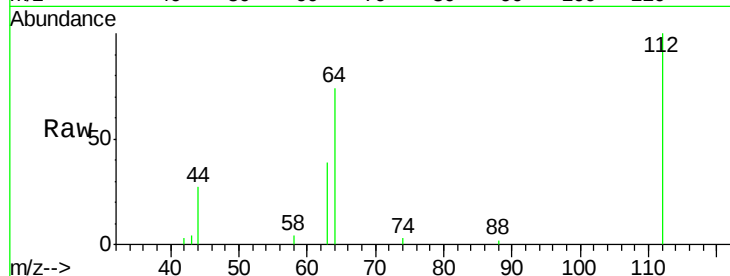
Tgt Ion: 112 Resp: 15494

Ion Ratio Lower Upper

112 100

64 72.0 37.1 55.7#

63 36.3 19.5 29.3#



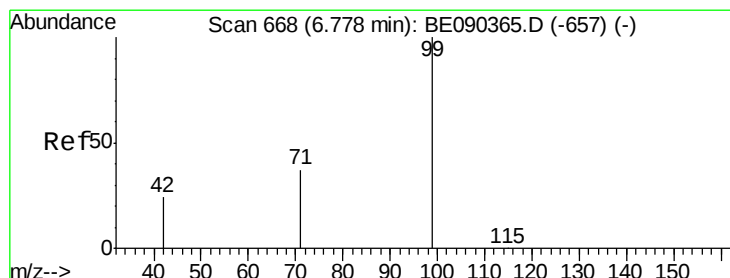
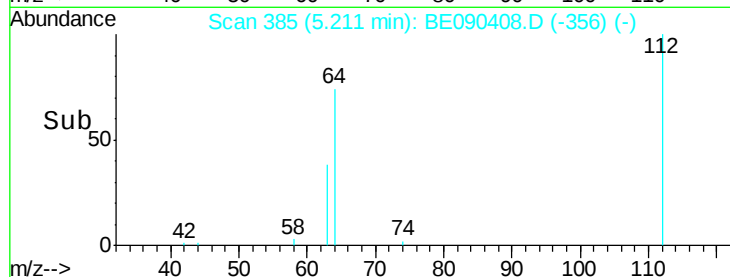
Abundance Ion 112.00 (111.70 to 112.70): BE090408.D (-356) (-)

Ion 64.00 (63.70 to 64.70): BE090408.D (-356) (-)

Ion 63.00 (62.70 to 63.70): BE090408.D (-356) (-)

5.21

Time-->



#5

Phenol-d6

Concen: 1.82 ng

RT: 6.77 min Scan# 667

Delta R.T. -0.01 min

Lab File: BE090408.D

Acq: 10 Aug 2015 19:01

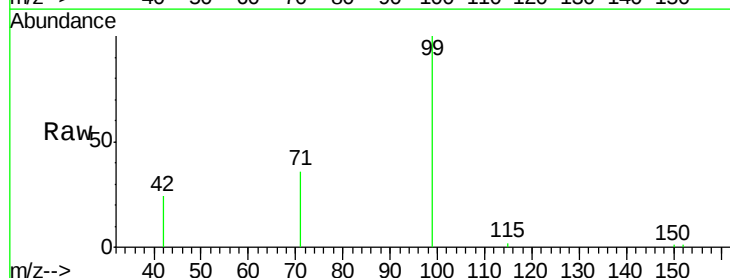
Tgt Ion: 99 Resp: 14722

Ion Ratio Lower Upper

99 100

42 20.3 18.2 27.4

71 35.5 27.4 41.0



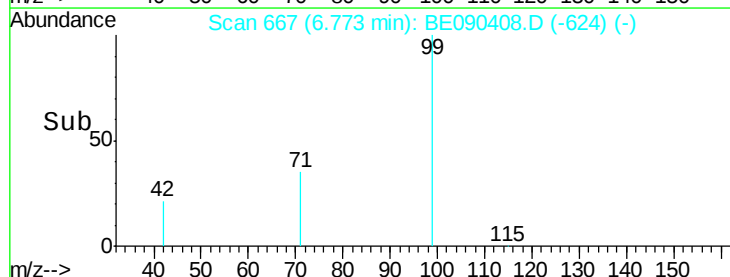
Abundance Ion 99.00 (98.70 to 99.70): BE090408.D (-624) (-)

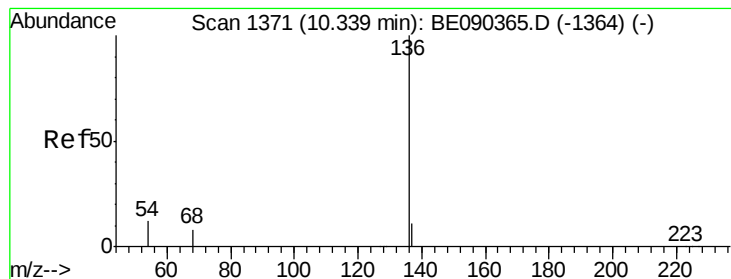
Ion 42.00 (41.70 to 42.70): BE090408.D (-624) (-)

Ion 71.00 (70.70 to 71.70): BE090408.D (-624) (-)

6.77

Time-->





#6

Naphthalene-d8

Concen: 5.00 ng

RT: 10.34 min Scan# 1371

Delta R.T. 0.00 min

Lab File: BE090408.D

Acq: 10 Aug 2015 19:01

Instrument :

BNA_E

ClientSampleId :

080515-D534-E-D-B

Tgt Ion:136 Resp: 128684

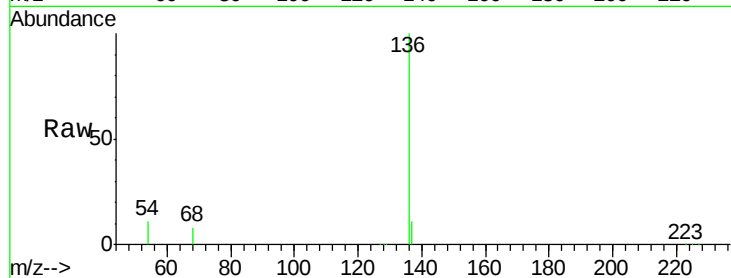
Ion Ratio Lower Upper

136 100

137 11.1 8.7 13.1

54 10.8 9.4 14.0

68 8.1 6.5 9.7

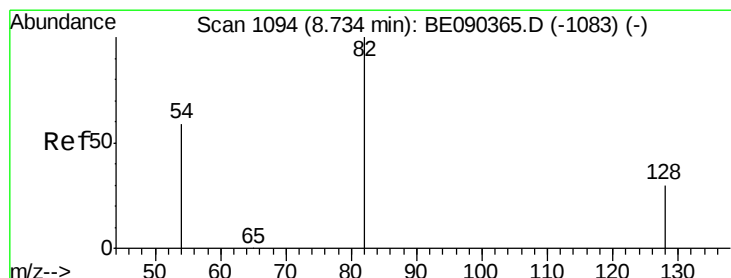
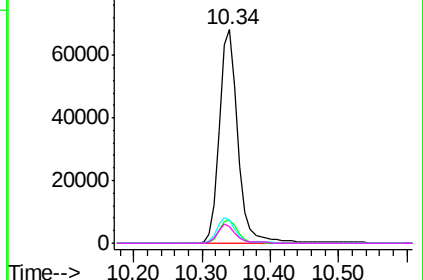
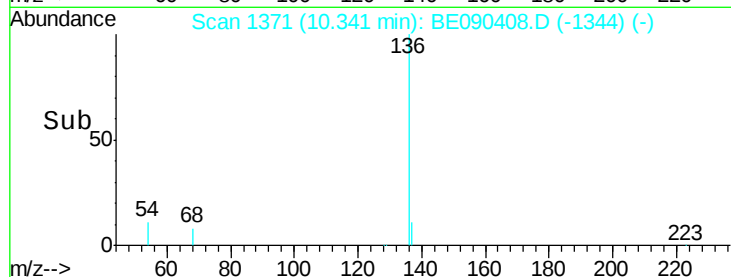


Abundance Ion 136.00 (135.70 to 136.70): E

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: 3.05 ng

RT: 8.72 min Scan# 1092

Delta R.T. -0.01 min

Lab File: BE090408.D

Acq: 10 Aug 2015 19:01

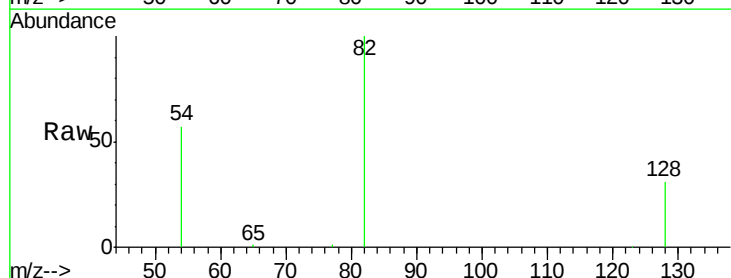
Tgt Ion: 82 Resp: 31044

Ion Ratio Lower Upper

82 100

128 31.1 25.0 37.6

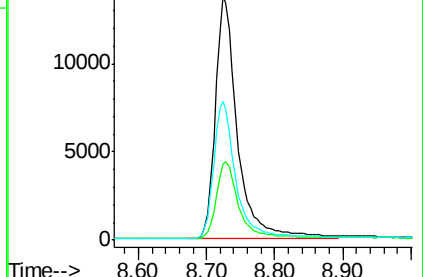
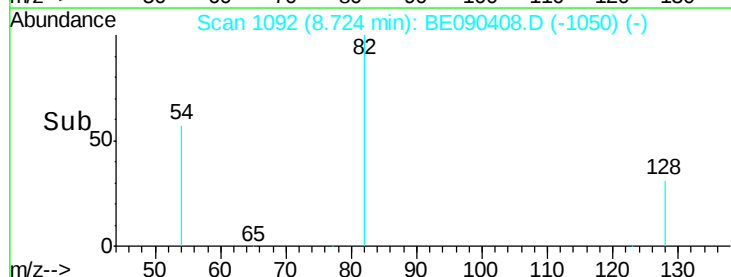
54 57.1 48.8 73.2

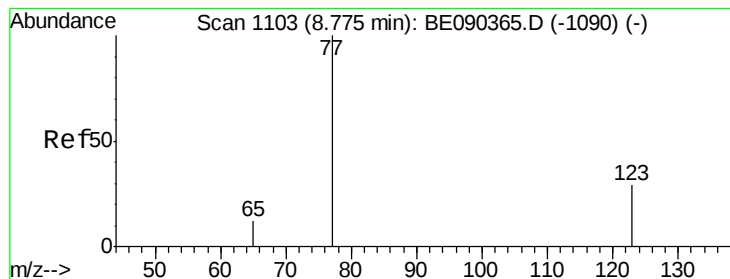


Abundance Ion 82.00 (81.70 to 82.70): BE0

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: 8.78 min Scan# 1105

Delta R.T. 0.01 min

Lab File: BE090408.D

Acq: 10 Aug 2015 19:01

Instrument :

BNA_E

ClientSampleId :

080515-D534-E-D-B

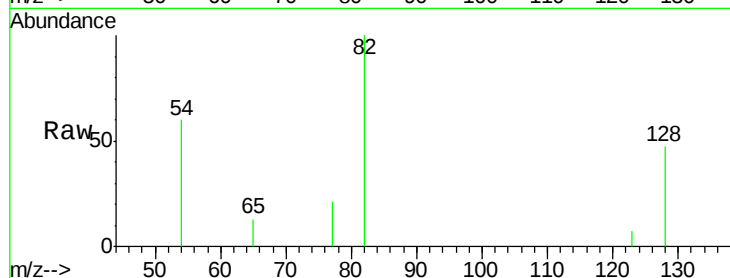
Tgt Ion: 77 Resp: 14

Ion Ratio Lower Upper

77 100

123 21.4 25.1 37.7#

65 64.3 9.3 13.9#



Abundance Ion 77.00 (76.70 to 77.70): BE090365.D (-1090) (-)

Ion 123.00 (122.70 to 123.70): BE090365.D (-1090) (-)

Ion 65.00 (64.70 to 65.70): BE090365.D (-1090) (-)

Time-->

8.78

150

100

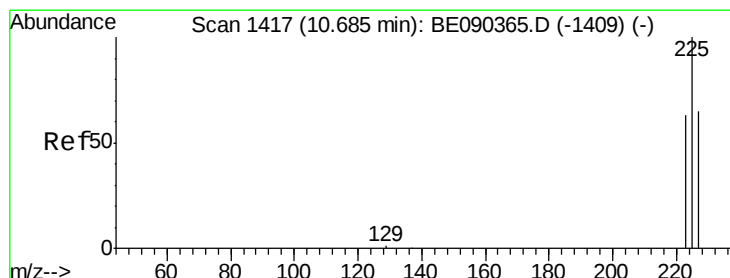
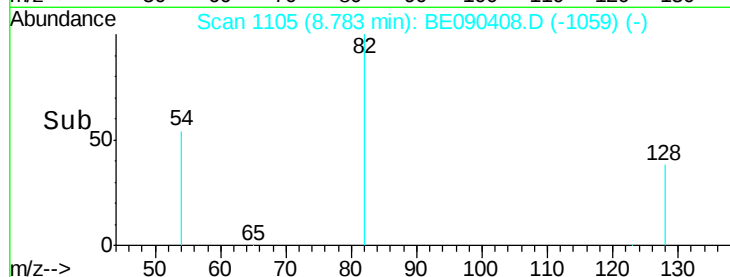
50

0

8.78

8.80

Time-->



#10

Hexachlorobutadiene

Concen: Below Cal

RT: 10.70 min Scan# 1419

Delta R.T. 0.02 min

Lab File: BE090408.D

Acq: 10 Aug 2015 19:01

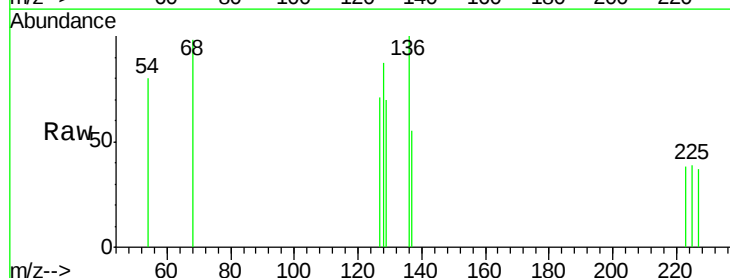
Tgt Ion: 225 Resp: 7

Ion Ratio Lower Upper

225 100

223 71.4 50.6 75.8

227 42.9 50.7 76.1#



Abundance Ion 225.00 (224.70 to 225.70): BE090365.D (-1409) (-)

Ion 223.00 (222.70 to 223.70): BE090365.D (-1409) (-)

Ion 227.00 (226.70 to 227.70): BE090365.D (-1409) (-)

Time-->

10.70

60

40

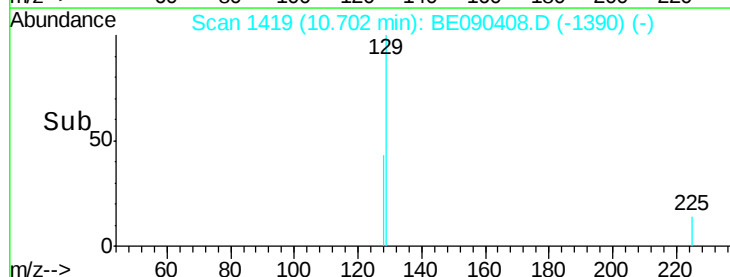
20

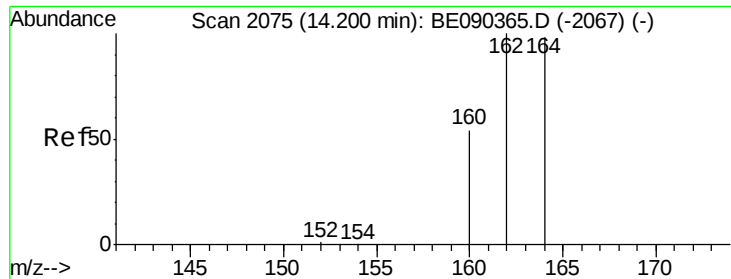
0

10.70

10.75

Time-->





#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.20 min Scan# 2075

Delta R.T. -0.00 min

Lab File: BE090408.D

Acq: 10 Aug 2015 19:01

Instrument :

BNA_E

ClientSampleId :

080515-D534-E-D-B

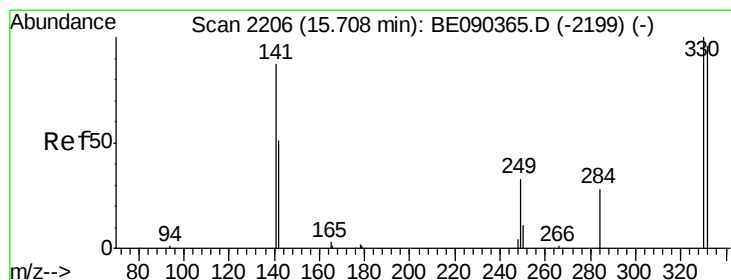
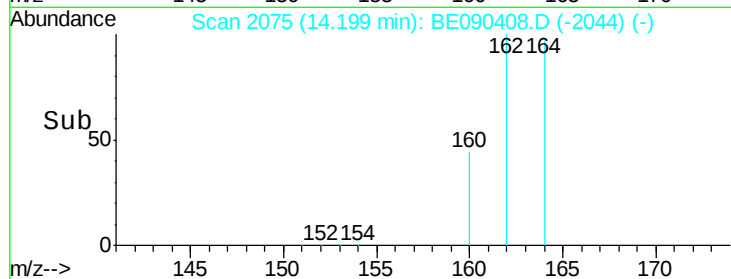
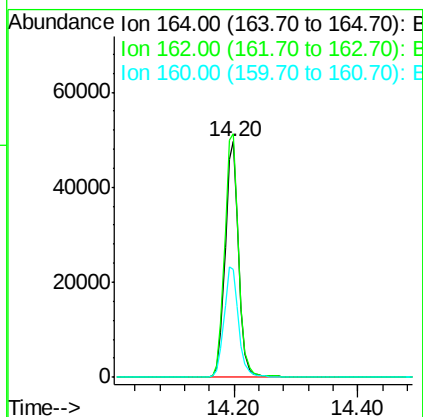
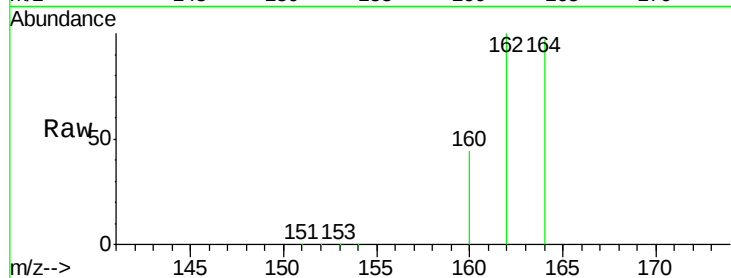
Tgt Ion:164 Resp: 75207

Ion Ratio Lower Upper

164 100

162 103.4 81.8 122.8

160 45.8 44.2 66.4



#13

2,4,6-Tribromophenol

Concen: 8.09 ng

RT: 15.69 min Scan# 2206

Delta R.T. -0.02 min

Lab File: BE090408.D

Acq: 10 Aug 2015 19:01

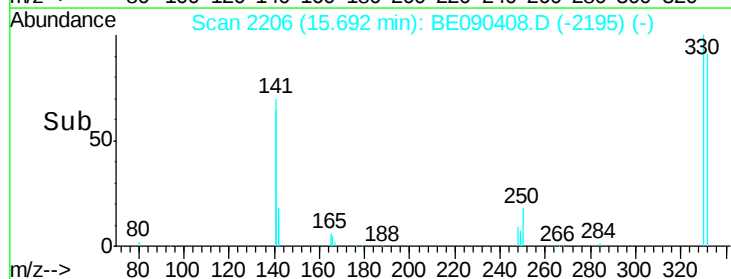
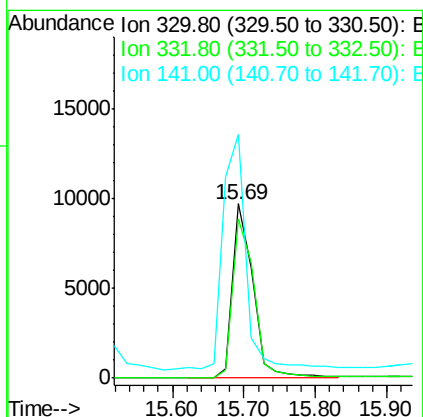
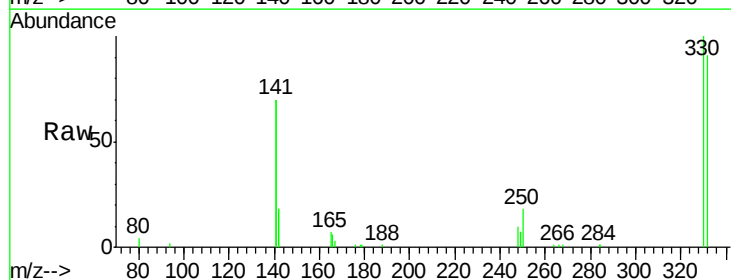
Tgt Ion:330 Resp: 18708

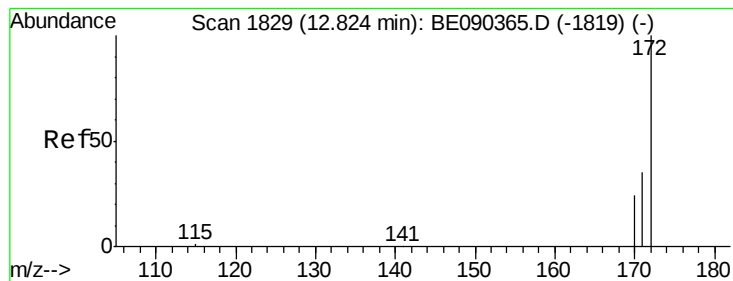
Ion Ratio Lower Upper

330 100

332 96.1 75.8 113.6

141 155.9 114.4 171.6





#14

2-Fluorobiphenyl

Concen: 3.37 ng

RT: 12.82 min Scan# 1828

Delta R.T. -0.00 min

Lab File: BE090408.D

Acq: 10 Aug 2015 19:01

Instrument :

BNA_E

ClientSampleId :

080515-D534-E-D-B

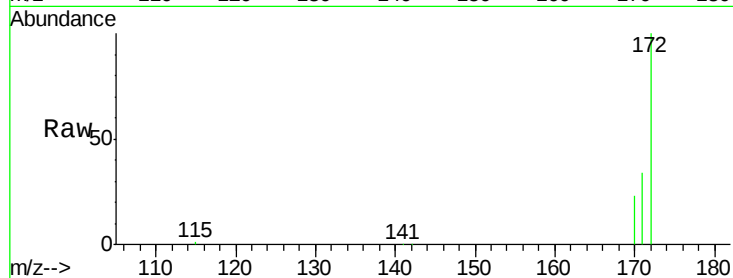
Tgt Ion:172 Resp: 69641

Ion Ratio Lower Upper

172 100

171 34.0 28.5 42.7

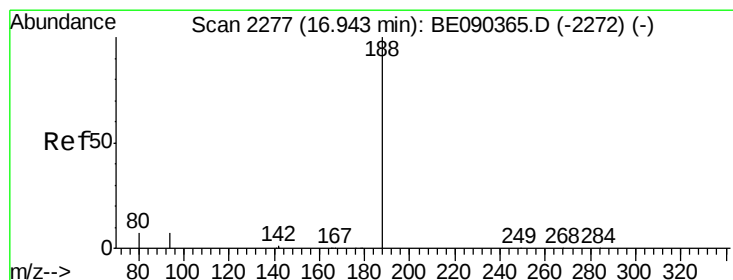
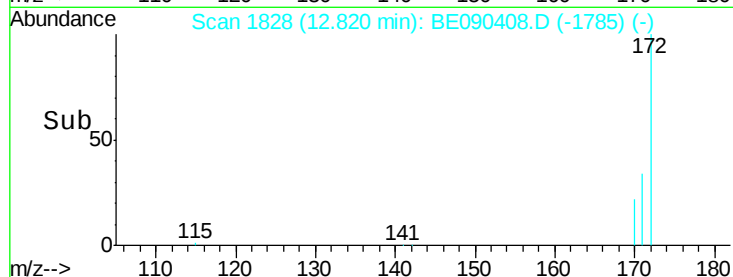
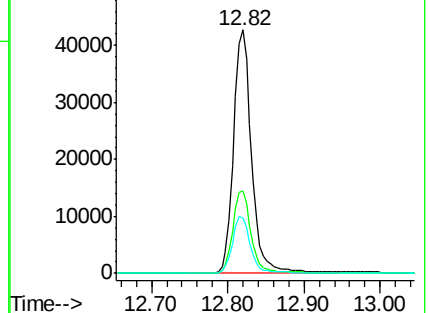
170 22.6 19.8 29.8



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#18

Phenanthrene-d10

Concen: 5.00 ng

RT: 16.94 min Scan# 2278

Delta R.T. 0.00 min

Lab File: BE090408.D

Acq: 10 Aug 2015 19:01

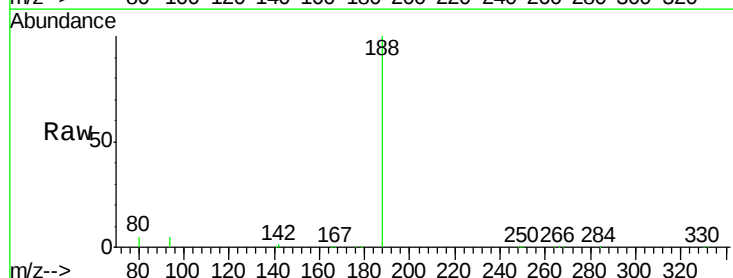
Tgt Ion:188 Resp: 176023

Ion Ratio Lower Upper

188 100

94 5.2 5.7 8.5#

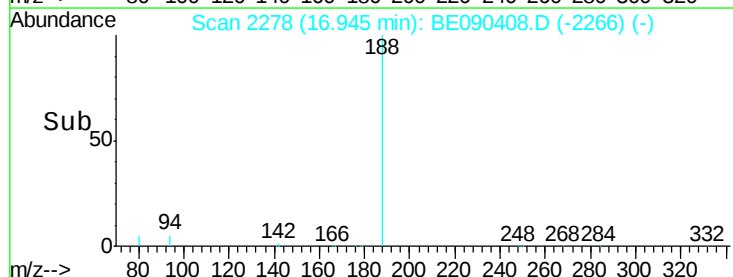
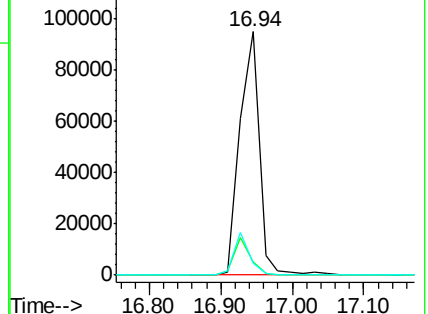
80 5.2 5.8 8.8#

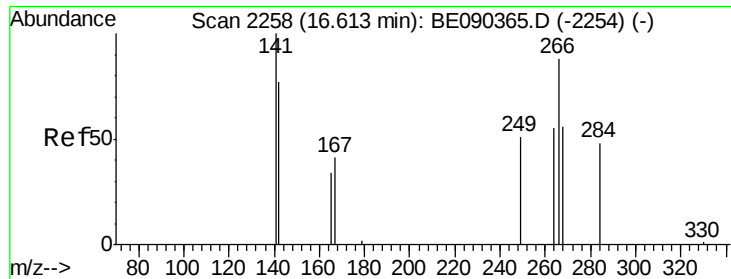


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0





#21

Pentachlorophenol

Concen: 0.12 ng

RT: 16.58 min Scan# 2257

Delta R.T. -0.03 min

Lab File: BE090408.D

Acq: 10 Aug 2015 19:01

Instrument :

BNA_E

ClientSampleId :

080515-D534-E-D-B

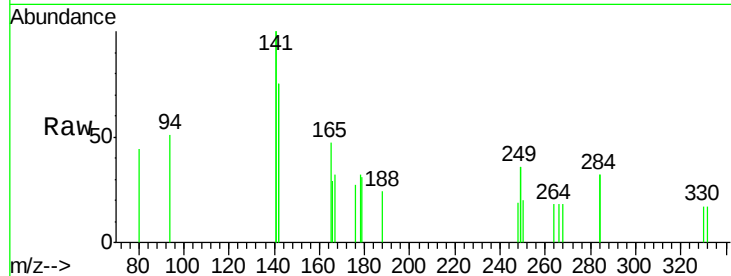
Tgt Ion:266 Resp: 32

Ion Ratio Lower Upper

266 100

268 101.9 58.5 87.7#

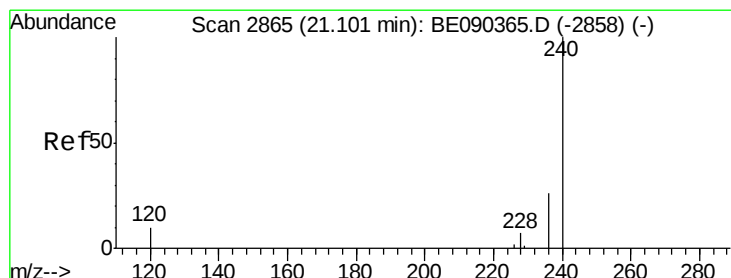
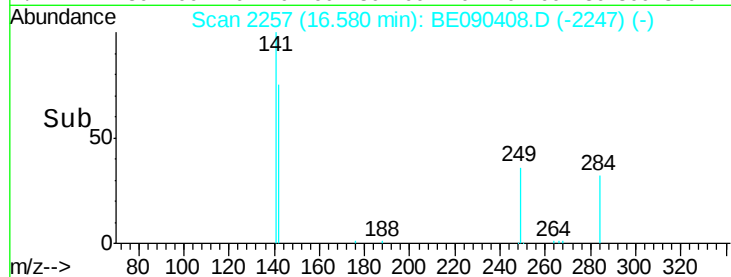
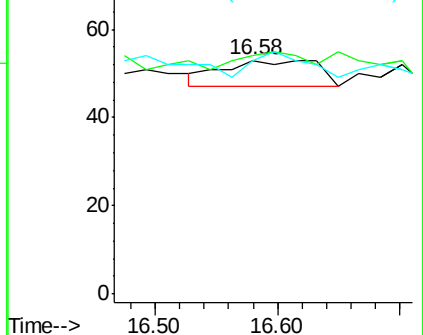
264 100.0 56.0 84.0#



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# 2865

Delta R.T. -0.00 min

Lab File: BE090408.D

Acq: 10 Aug 2015 19:01

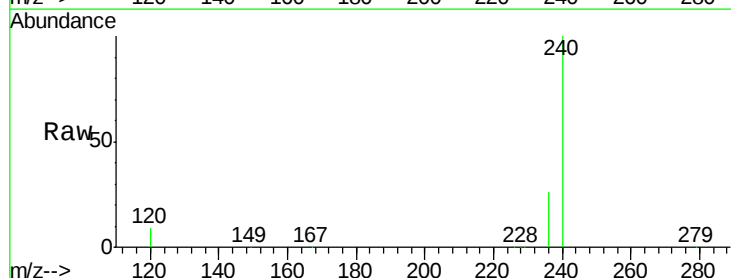
Tgt Ion:240 Resp: 215341

Ion Ratio Lower Upper

240 100

120 8.9 8.3 12.5

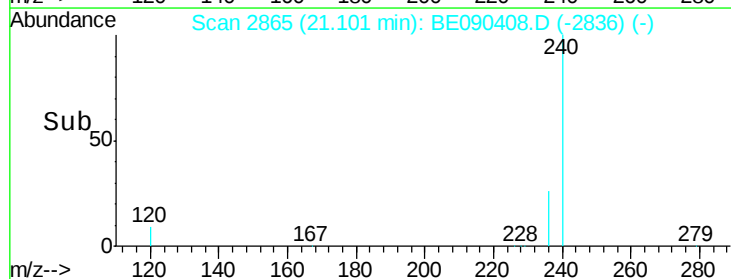
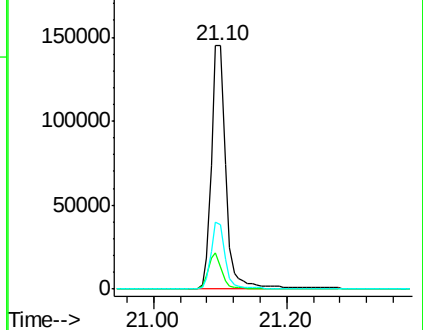
236 26.4 21.0 31.4

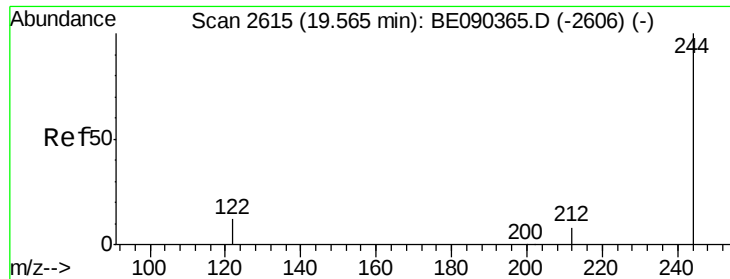


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

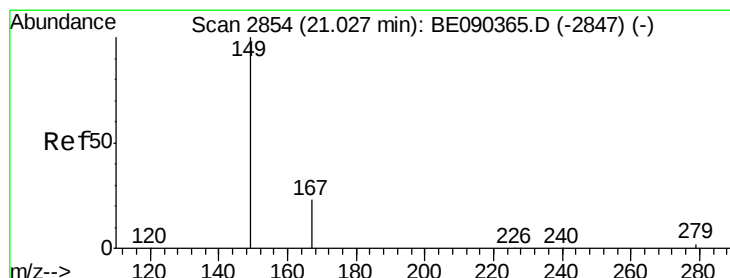
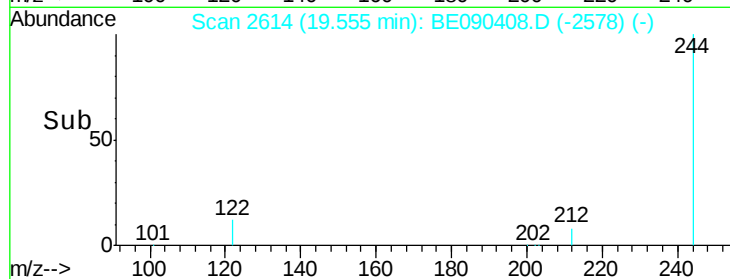
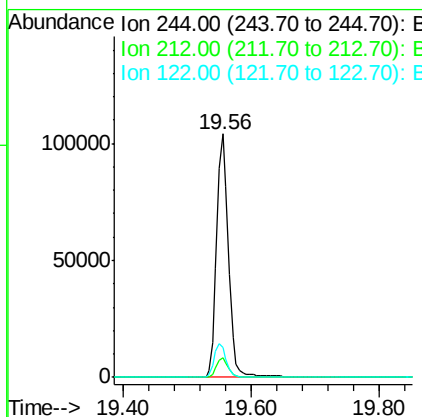
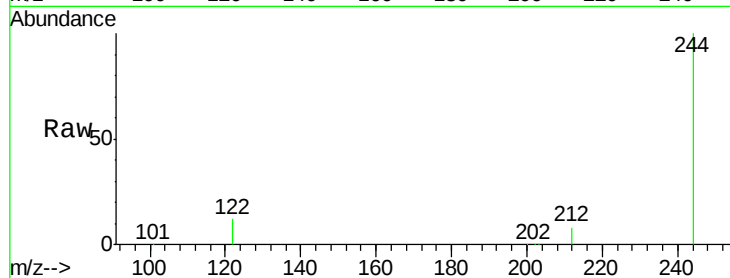




#27
 Terphenyl-d14
 Concen: 4.24 ng
 RT: 19.56 min Scan# 2614
 Delta R.T. -0.01 min
 Lab File: BE090408.D
 Acq: 10 Aug 2015 19:01

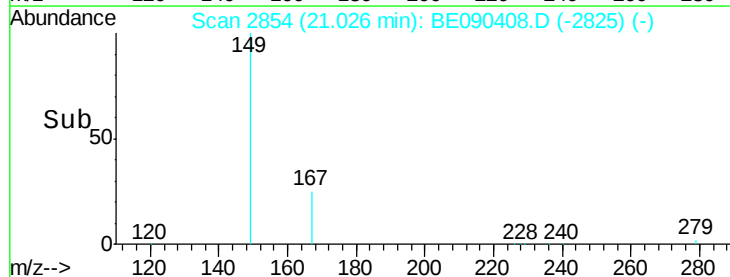
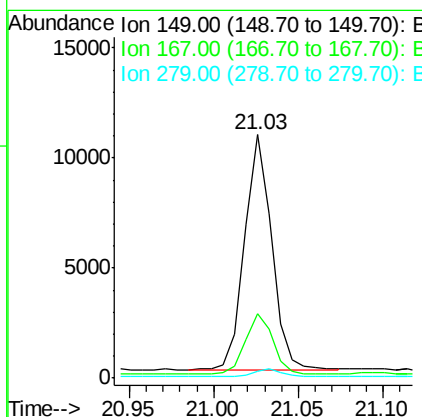
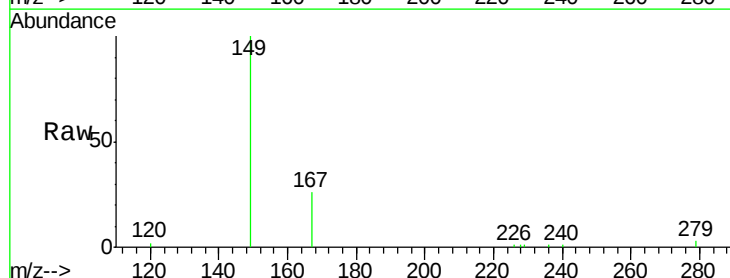
Instrument :
 BNA_E
 ClientSampleId :
 080515-D534-E-D-B

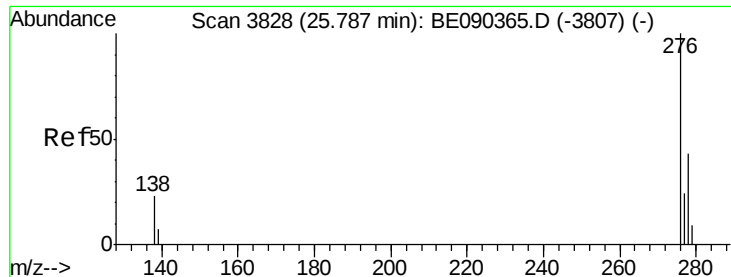
Tgt Ion: 244 Resp: 134604
 Ion Ratio Lower Upper
 244 100
 212 8.0 6.6 9.8
 122 12.4 10.2 15.4



#30
 Bis(2-ethylhexyl)phthalate
 Concen: 1.06 ng
 RT: 21.03 min Scan# 2854
 Delta R.T. -0.00 min
 Lab File: BE090408.D
 Acq: 10 Aug 2015 19:01

Tgt Ion: 149 Resp: 11822
 Ion Ratio Lower Upper
 149 100
 167 25.7 19.8 29.8
 279 3.3 2.4 3.6





#31

Indeno(1,2,3-cd)pyrene

Concen: 0.26 ng

RT: 25.78 min Scan# 3827

Delta R.T. -0.01 min

Lab File: BE090408.D

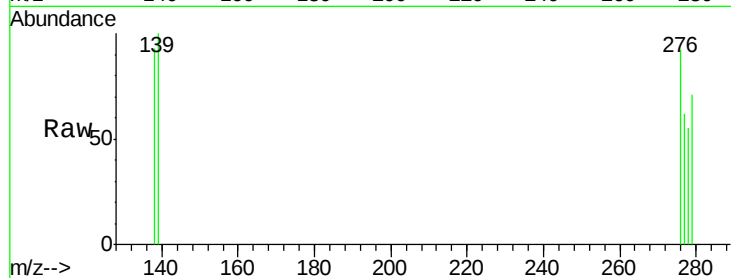
Acq: 10 Aug 2015 19:01

Instrument :

BNA_E

ClientSampleId :

080515-D534-E-D-B



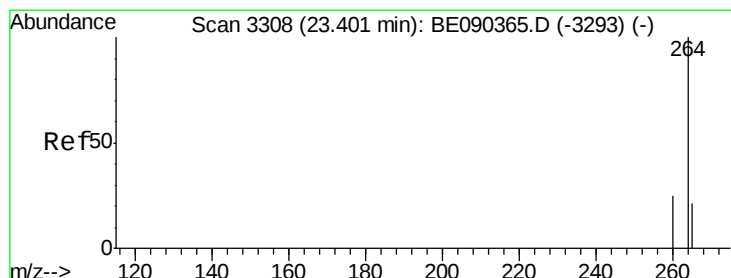
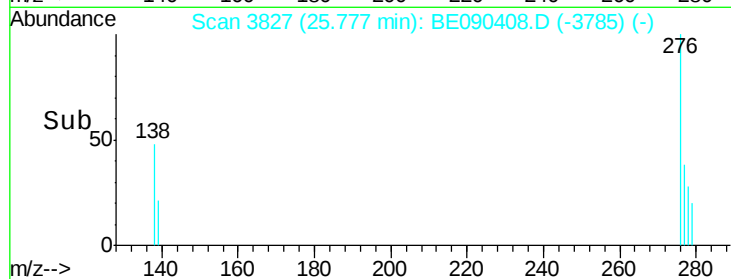
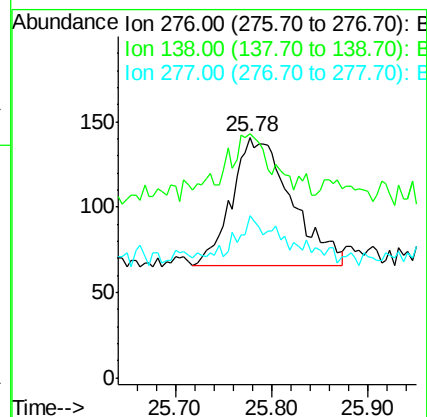
Tgt Ion:276 Resp: 319

Ion Ratio Lower Upper

276 100

138 19.7 18.8 28.2

277 11.6 18.2 27.4#



#32

Perylene-d12

Concen: 5.00 ng

RT: 23.40 min Scan# 3308

Delta R.T. -0.00 min

Lab File: BE090408.D

Acq: 10 Aug 2015 19:01

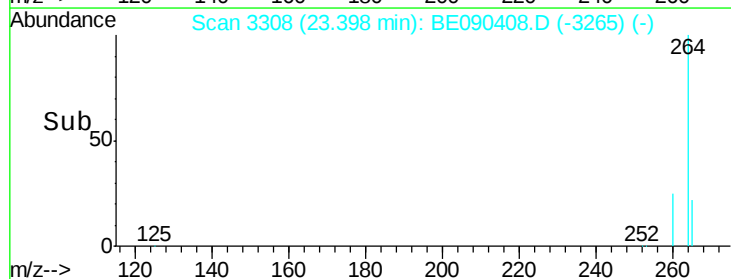
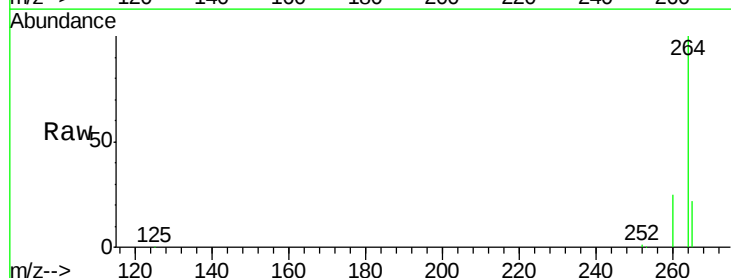
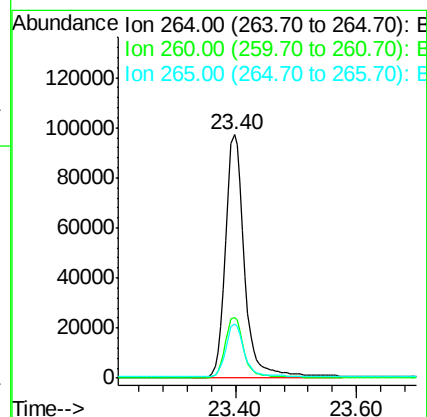
Tgt Ion:264 Resp: 213340

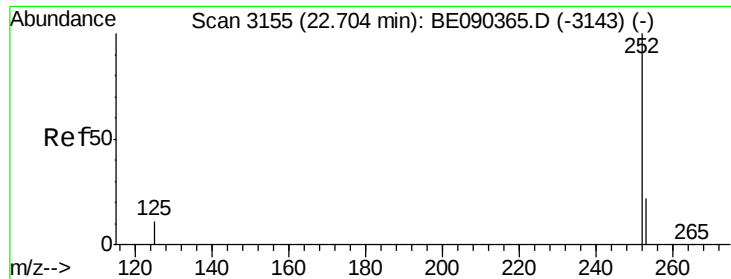
Ion Ratio Lower Upper

264 100

260 25.1 20.1 30.1

265 22.3 17.2 25.8





#33

Benzo(b)fluoranthene

Concen: 0.20 ng

RT: 22.70 min Scan# 3155

Delta R.T. -0.00 min

Lab File: BE090408.D

Acq: 10 Aug 2015 19:01

Instrument :

BNA_E

ClientSampleId :

080515-D534-E-D-B

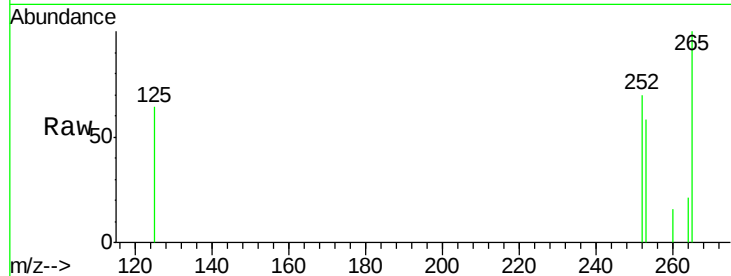
Tgt Ion: 252 Resp: 474

Ion Ratio Lower Upper

252 100

253 82.5 18.1 27.1#

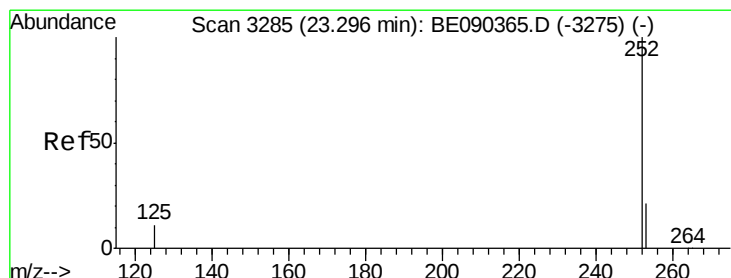
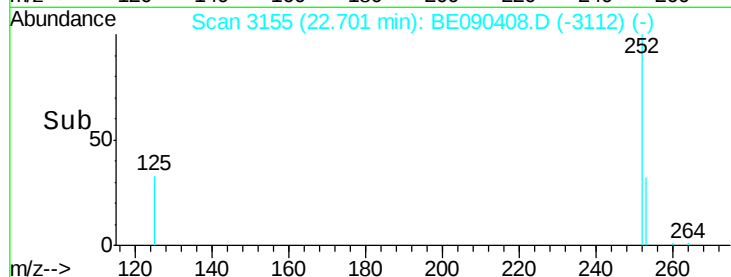
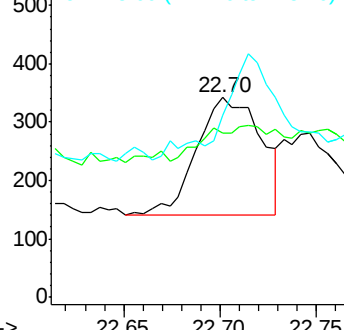
125 91.5 9.4 14.2#



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



#35

Benzo(a)pyrene

Concen: 0.23 ng

RT: 23.29 min Scan# 3285

Delta R.T. -0.00 min

Lab File: BE090408.D

Acq: 10 Aug 2015 19:01

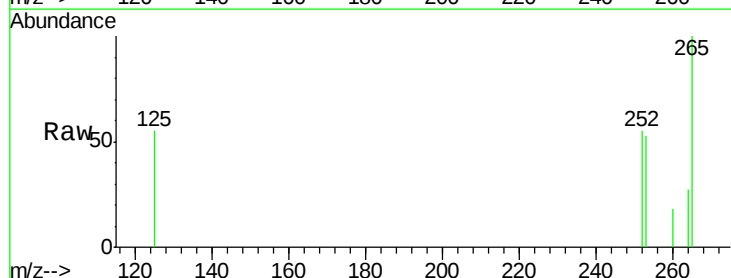
Tgt Ion: 252 Resp: 276

Ion Ratio Lower Upper

252 100

253 95.7 17.6 26.4#

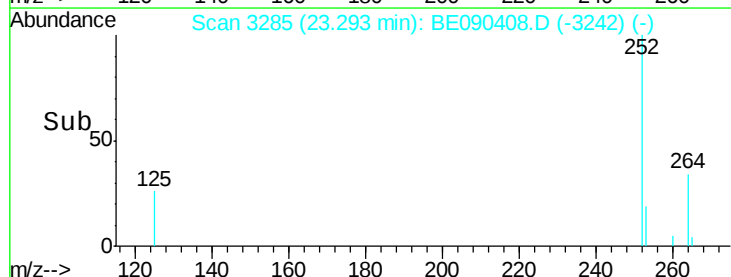
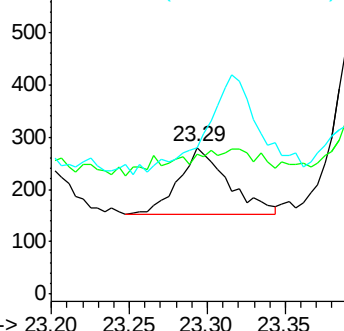
125 100.0 9.8 14.6#

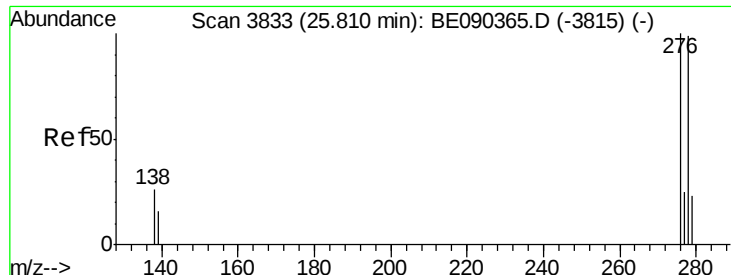


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#36

Dibenzo(a,h)anthracene

Concen: 0.29 ng

RT: 25.80 min Scan# 3833

Delta R.T. -0.00 min

Lab File: BE090408.D

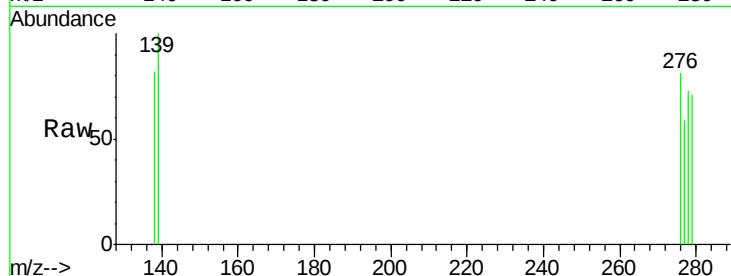
Acq: 10 Aug 2015 19:01

Instrument :

BNA_E

ClientSampleId :

080515-D534-E-D-B



Tgt Ion: 278 Resp: 181

Ion Ratio Lower Upper

278 100

139 136.9 14.2 21.4#

279 97.3 20.1 30.1#

