

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE081115\
 Data File : BE090437.D
 Acq On : 11 Aug 2015 20:35
 Operator : UM/IZ
 Sample : G3135-03
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 080915-D506-E-D-M

Quant Time: Aug 12 04:15:08 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	18864	5.00	ng	0.00
6) Naphthalene-d8	10.34	136	83246	5.00	ng	0.00
12) Acenaphthene-d10	14.20	164	47756	5.00	ng	0.00
18) Phenanthrene-d10	16.94	188	115603	5.00	ng	0.00
25) Chrysene-d12	21.09	240	136545	5.00	ng	0.00
32) Perylene-d12	23.40	264	123869	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.22	112	16849	5.95	ng	0.00
5) Phenol-d6	6.77	99	15101	2.63	ng	0.00
7) Nitrobenzene-d5	8.73	82	26397	3.94	ng	0.00
13) 2,4,6-Tribromophenol	15.71	330	14639	9.30	ng	0.00
14) 2-Fluorobiphenyl	12.82	172	62550	4.76	ng	0.00
27) Terphenyl-d14	19.55	244	110725	5.50	ng	-0.01

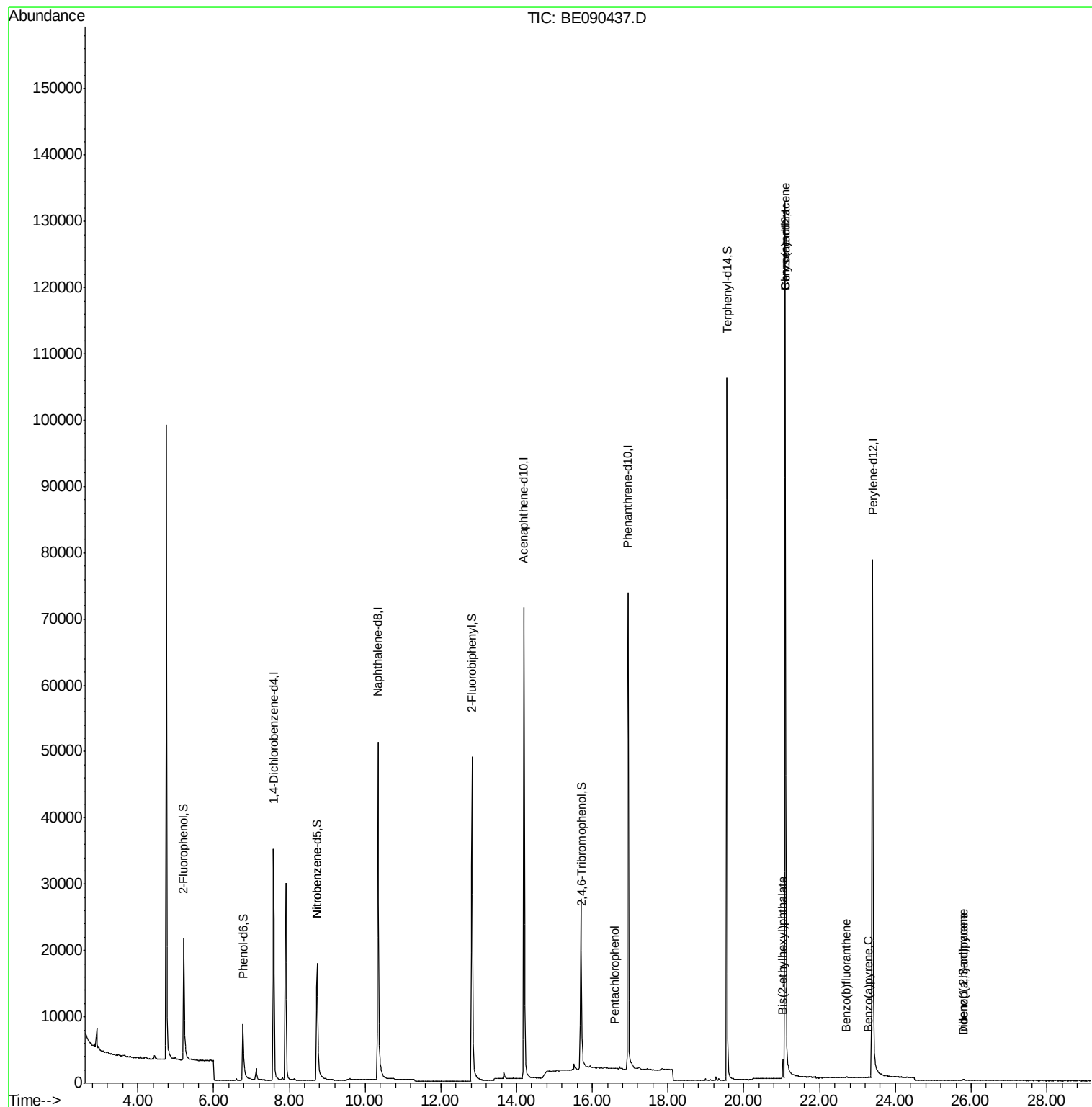
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.23	88	43	Below Cal	#	15
8) Nitrobenzene	8.73	77	103	0.22 ng	#	39
10) Hexachlorobutadiene	10.65	225	3	Below Cal	#	1
21) Pentachlorophenol	16.60	266	13	0.11 ng	#	66
28) Benzo(a)anthracene	21.09	228	705	0.02 ng	#	74
30) Bis(2-ethylhexyl)phthalate	21.03	149	2654	0.47 ng		100
31) Indeno(1,2,3-cd)pyrene	25.79	276	295	0.26 ng	#	60
33) Benzo(b)fluoranthene	22.70	252	160	0.20 ng	#	1
35) Benzo(a)pyrene	23.29	252	170	0.23 ng	#	1
36) Dibenzo(a,h)anthracene	25.80	278	264	0.29 ng	#	1

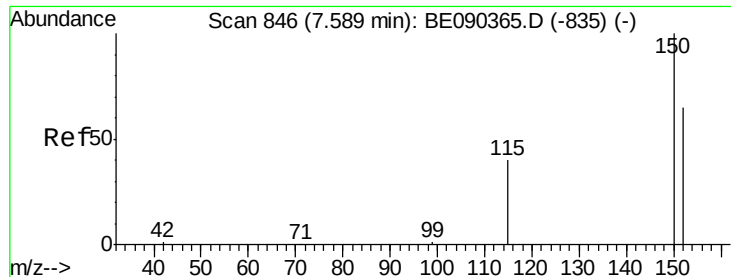
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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080915-D506-E-D-M

Quant Time: Aug 12 04:15:08 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: BE090437.D

Acq: 11 Aug 2015 20:35

Instrument :

BNA_E

ClientSampleId :

080915-D506-E-D-M

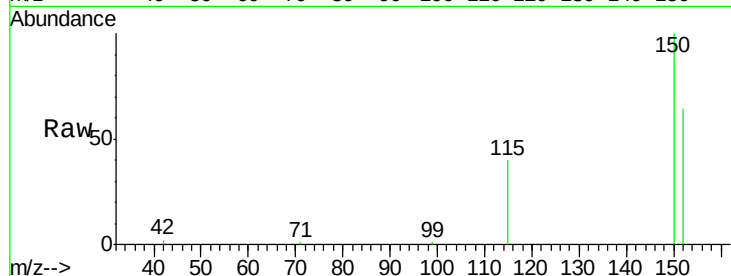
Tgt Ion: 152 Resp: 18864

Ion Ratio Lower Upper

152 100

150 155.9 123.0 184.4

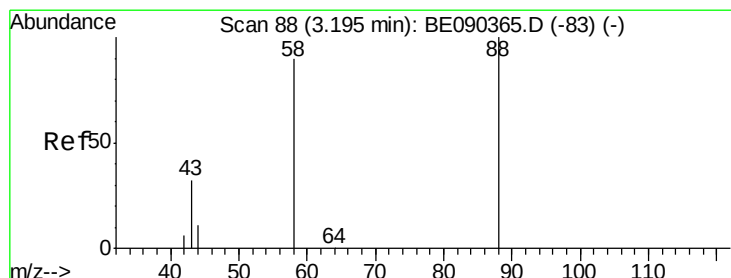
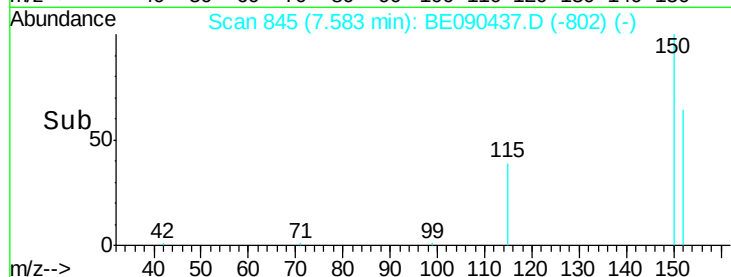
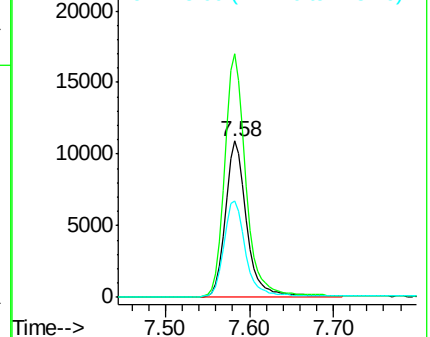
115 61.7 48.9 73.3



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: 3.23 min Scan# 93

Delta R.T. 0.03 min

Lab File: BE090437.D

Acq: 11 Aug 2015 20:35

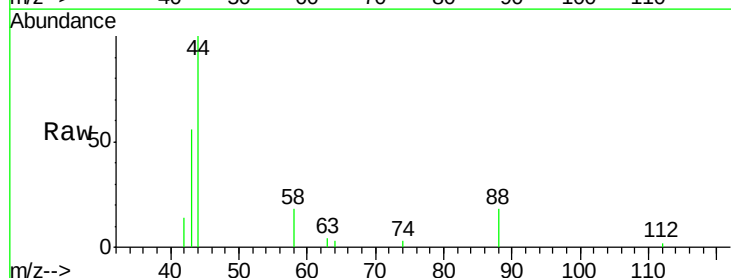
Tgt Ion: 88 Resp: 43

Ion Ratio Lower Upper

88 100

58 0.0 70.0 105.0#

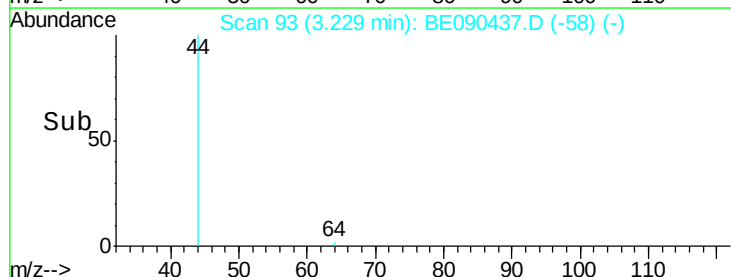
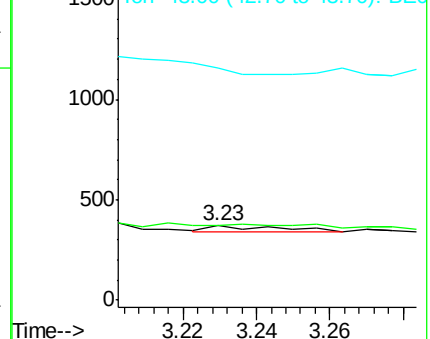
43 0.0 28.4 42.6#

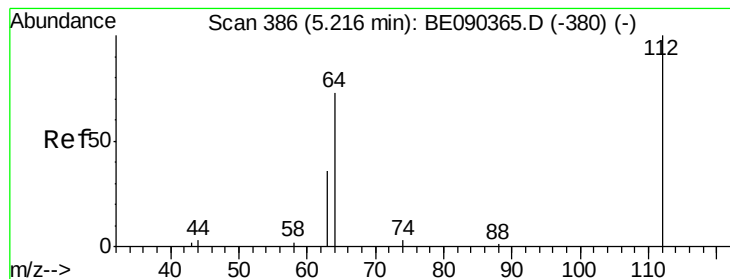


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#4

2-Fluorophenol

Concen: 5.95 ng

RT: 5.22 min Scan# 386

Delta R.T. 0.00 min

Lab File: BE090437.D

Acq: 11 Aug 2015 20:35

Instrument :

BNA_E

ClientSampleId :

080915-D506-E-D-M

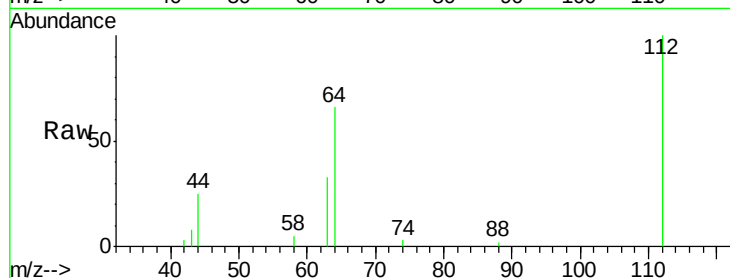
Tgt Ion: 112 Resp: 16849

Ion Ratio Lower Upper

112 100

64 70.7 37.1 55.7#

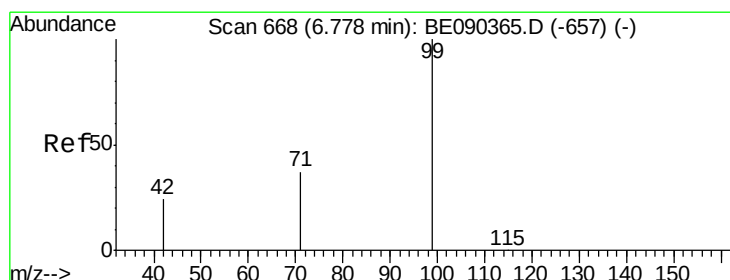
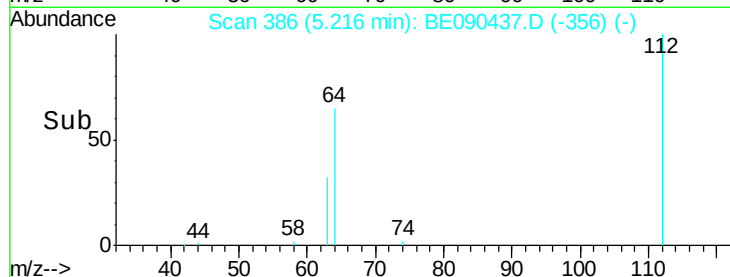
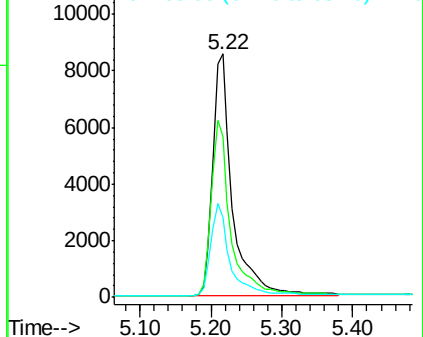
63 37.0 19.5 29.3#



Abundance Ion 112.00 (111.70 to 112.70): BE090437.D (-356) (-)

Ion 64.00 (63.70 to 64.70): BE090437.D (-356) (-)

Ion 63.00 (62.70 to 63.70): BE090437.D (-356) (-)



#5

Phenol-d6

Concen: 2.63 ng

RT: 6.77 min Scan# 667

Delta R.T. -0.01 min

Lab File: BE090437.D

Acq: 11 Aug 2015 20:35

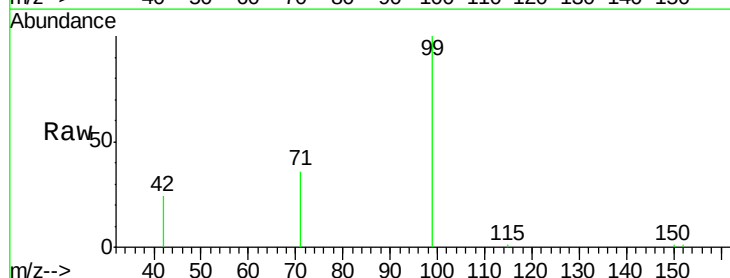
Tgt Ion: 99 Resp: 15101

Ion Ratio Lower Upper

99 100

42 20.5 18.2 27.4

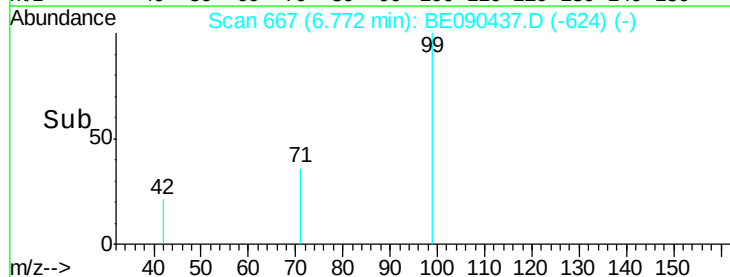
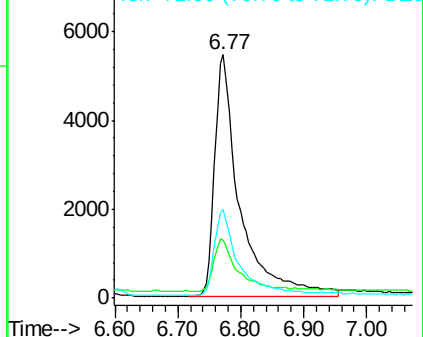
71 34.7 27.4 41.0

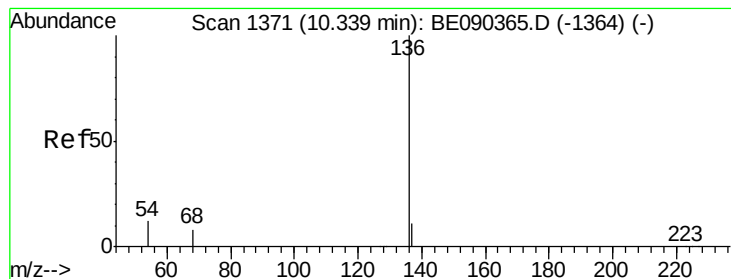


Abundance Ion 99.00 (98.70 to 99.70): BE090437.D (-624) (-)

Ion 42.00 (41.70 to 42.70): BE090437.D (-624) (-)

Ion 71.00 (70.70 to 71.70): BE090437.D (-624) (-)





#6

Naphthalene-d8

Concen: 5.00 ng

RT: 10.34 min Scan# 1371

Delta R.T. 0.00 min

Lab File: BE090437.D

Acq: 11 Aug 2015 20:35

Instrument :

BNA_E

ClientSampleId :

080915-D506-E-D-M

Tgt Ion: 136 Resp: 83246

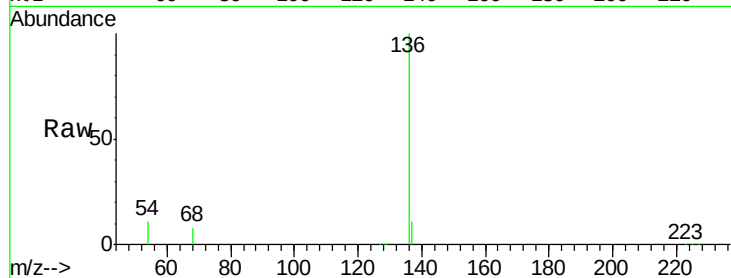
Ion Ratio Lower Upper

136 100

137 11.0 8.7 13.1

54 11.0 9.4 14.0

68 8.1 6.5 9.7

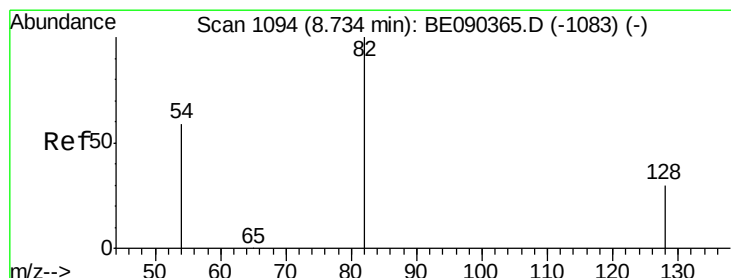
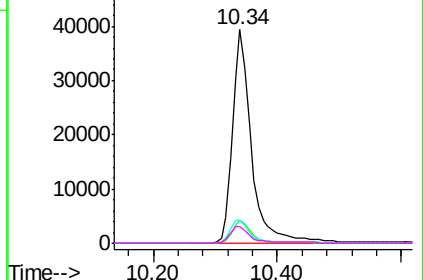
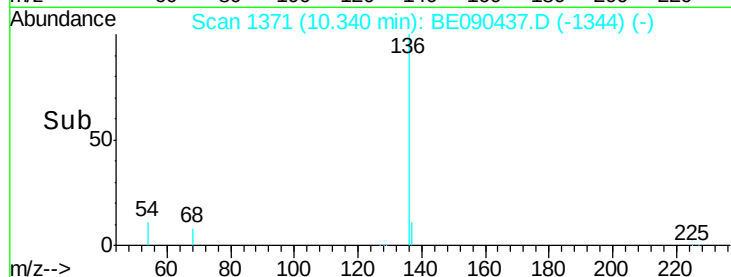


Abundance Ion 136.00 (135.70 to 136.70): E

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: 3.94 ng

RT: 8.73 min Scan# 1093

Delta R.T. -0.00 min

Lab File: BE090437.D

Acq: 11 Aug 2015 20:35

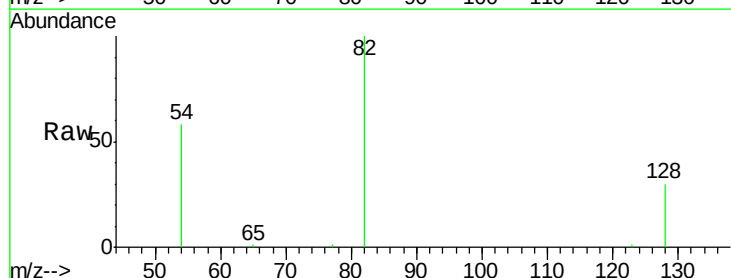
Tgt Ion: 82 Resp: 26397

Ion Ratio Lower Upper

82 100

128 30.4 25.0 37.6

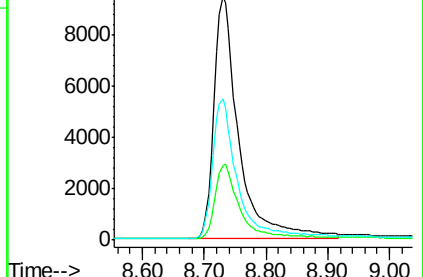
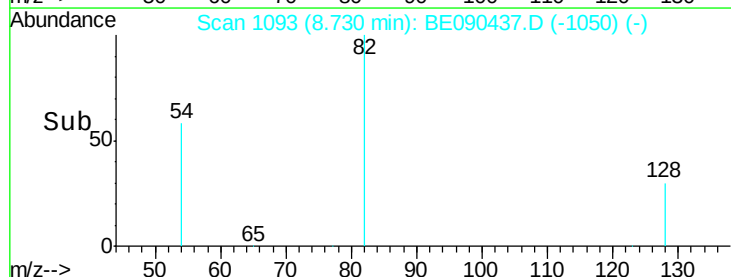
54 57.8 48.8 73.2

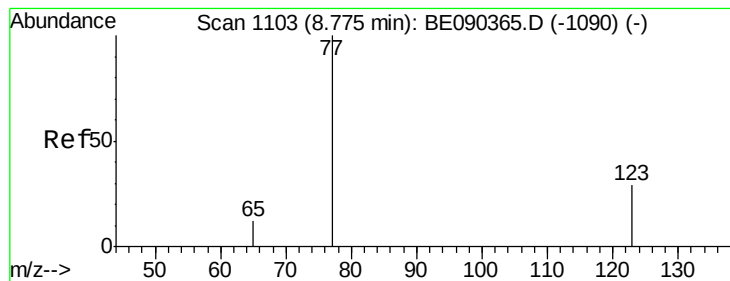


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#8

Nitrobenzene

Concen: 0.22 ng

RT: 8.73 min Scan# 1093

Delta R.T. -0.04 min

Lab File: BE090437.D

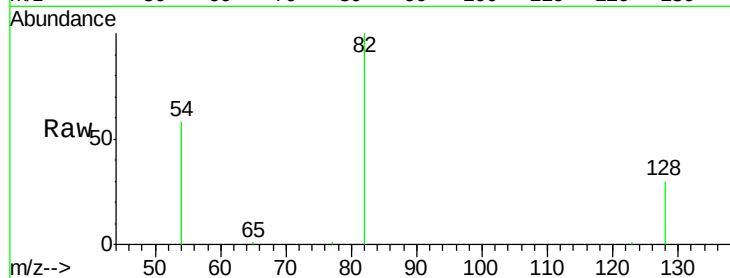
Acq: 11 Aug 2015 20:35

Instrument :

BNA_E

ClientSampleId :

080915-D506-E-D-M



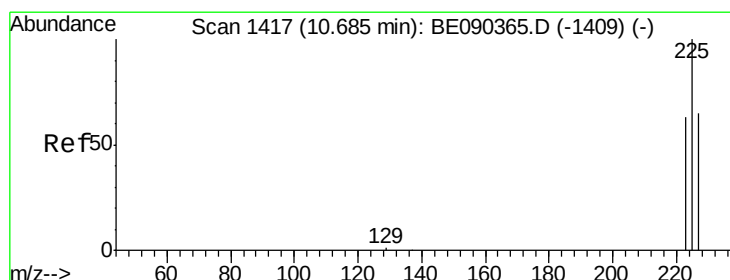
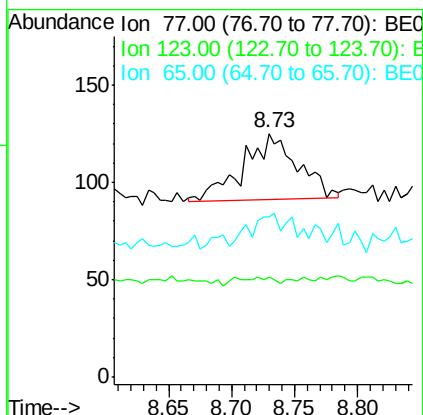
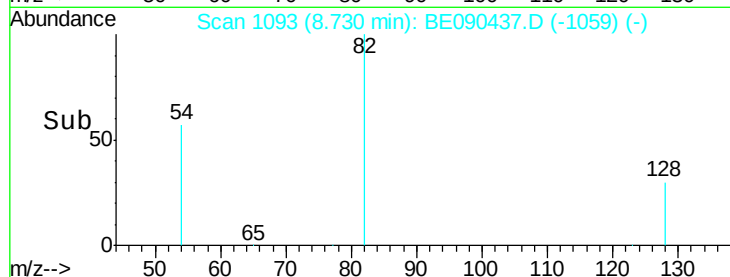
Tgt Ion: 77 Resp: 103

Ion Ratio Lower Upper

77 100

123 1.0 25.1 37.7#

65 40.8 9.3 13.9#



#10

Hexachlorobutadiene

Concen: Below Cal

RT: 10.65 min Scan# 1412

Delta R.T. -0.04 min

Lab File: BE090437.D

Acq: 11 Aug 2015 20:35

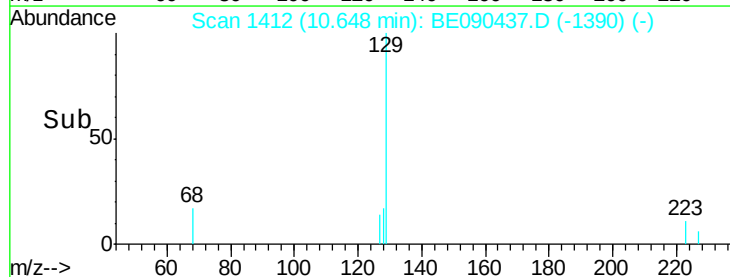
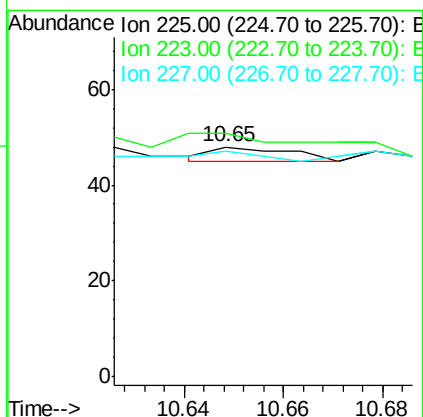
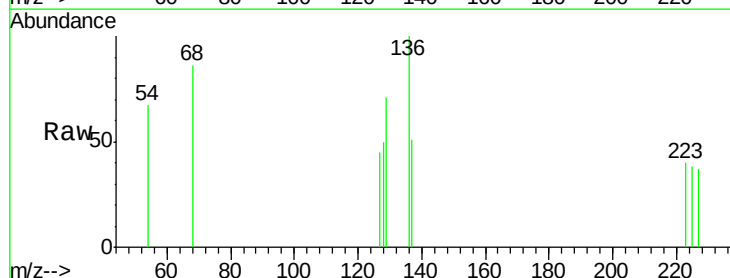
Tgt Ion: 225 Resp: 3

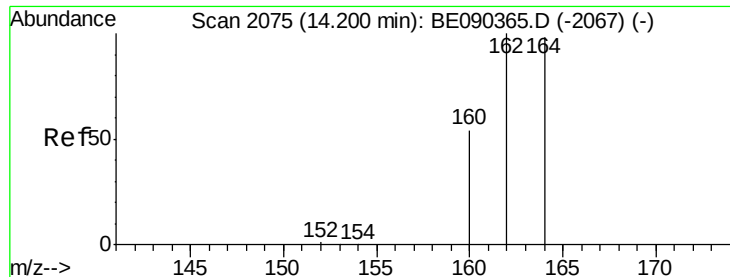
Ion Ratio Lower Upper

225 100

223 300.0 50.6 75.8#

227 33.3 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: BE090437.D

Acq: 11 Aug 2015 20:35

Instrument :

BNA_E

ClientSampleId :

080915-D506-E-D-M

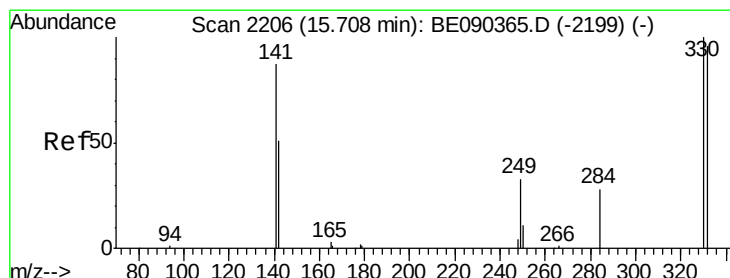
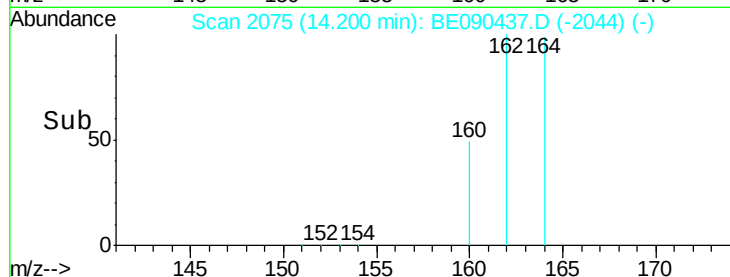
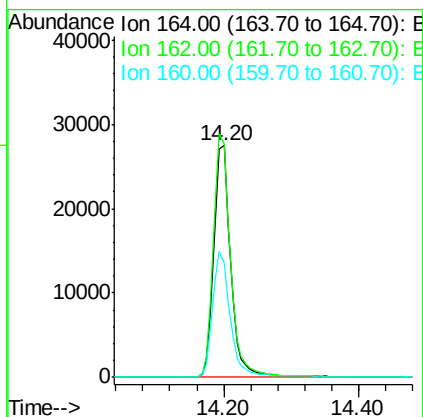
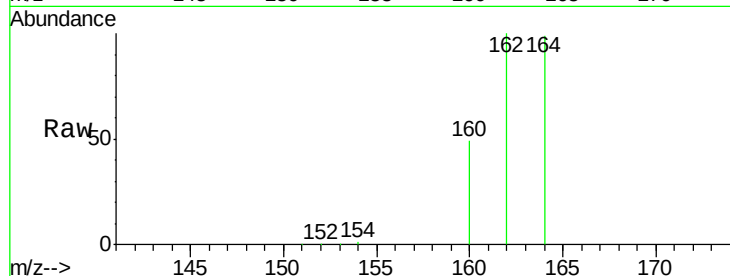
Tgt Ion:164 Resp: 47756

Ion Ratio Lower Upper

164 100

162 100.7 81.8 122.8

160 49.3 44.2 66.4



#13

2,4,6-Tribromophenol

Concen: 9.30 ng

RT: 15.71 min Scan# 2206

Delta R.T. 0.00 min

Lab File: BE090437.D

Acq: 11 Aug 2015 20:35

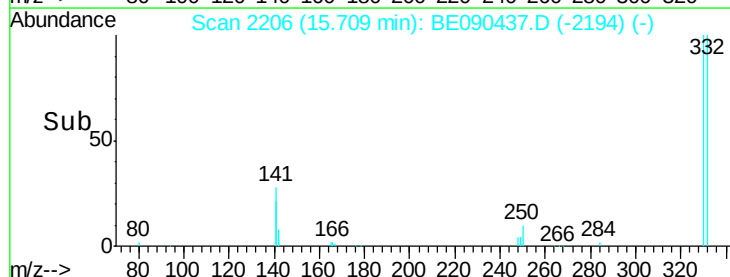
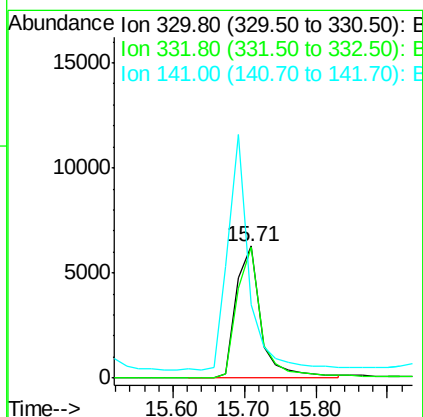
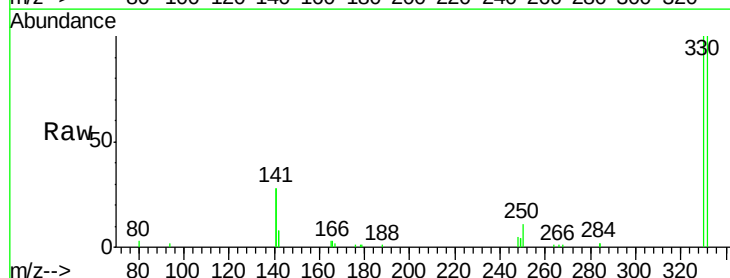
Tgt Ion:330 Resp: 14639

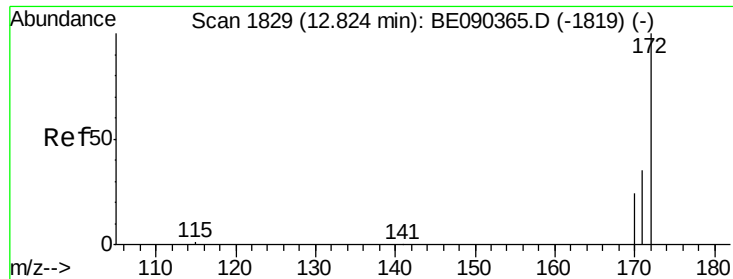
Ion Ratio Lower Upper

330 100

332 97.0 75.8 113.6

141 159.5 114.4 171.6

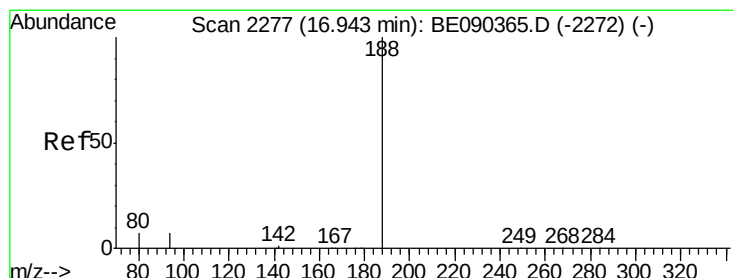
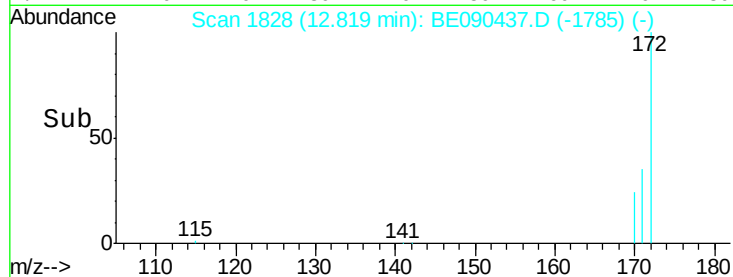
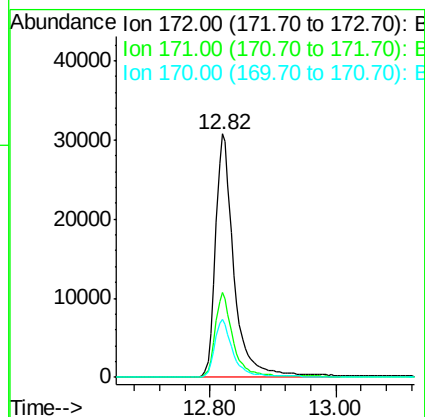
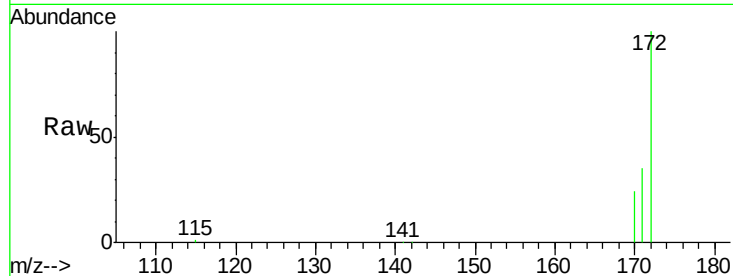




#14
2-Fluorobiphenyl
Concen: 4.76 ng
RT: 12.82 min Scan# 1828
Delta R.T. -0.00 min
Lab File: BE090437.D
Acq: 11 Aug 2015 20:35

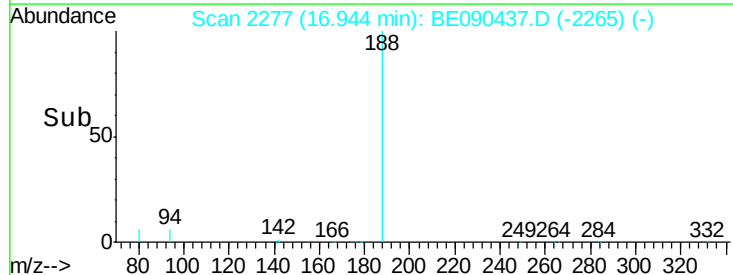
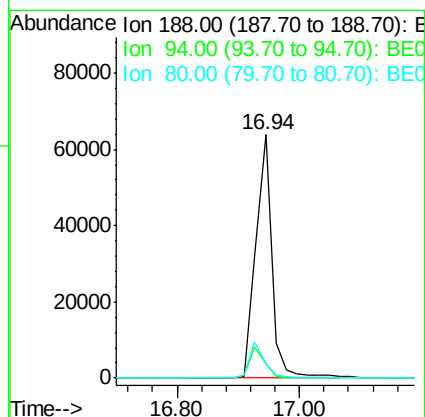
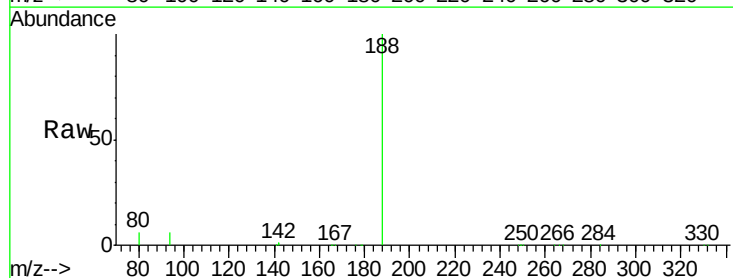
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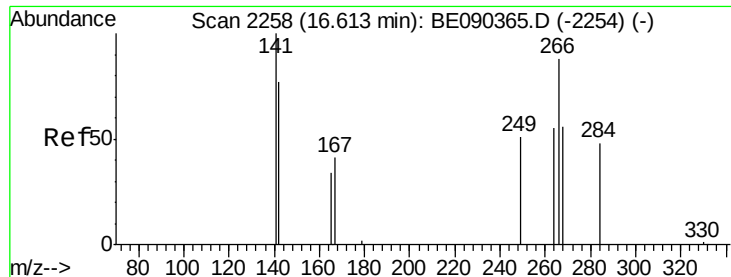
Tgt Ion:172 Resp: 62550
Ion Ratio Lower Upper
172 100
171 34.9 28.5 42.7
170 23.8 19.8 29.8



#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.94 min Scan# 2277
Delta R.T. 0.00 min
Lab File: BE090437.D
Acq: 11 Aug 2015 20:35

Tgt Ion:188 Resp: 115603
Ion Ratio Lower Upper
188 100
94 5.9 5.7 8.5
80 6.1 5.8 8.8





#21

Pentachlorophenol

Concen: 0.11 ng

RT: 16.60 min Scan# 2257

Delta R.T. -0.02 min

Lab File: BE090437.D

Acq: 11 Aug 2015 20:35

Instrument :

BNA_E

ClientSampleId :

080915-D506-E-D-M

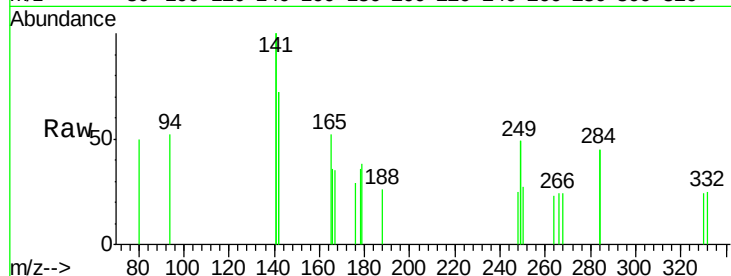
Tgt Ion:266 Resp: 13

Ion Ratio Lower Upper

266 100

268 102.0 58.5 87.7#

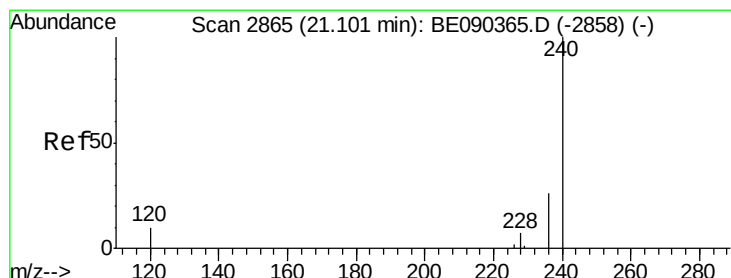
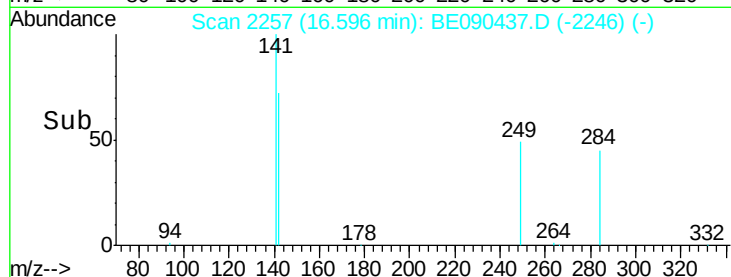
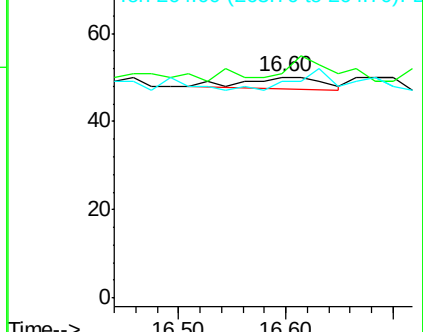
264 98.0 56.0 84.0#



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: 21.09 min Scan# 2864

Delta R.T. -0.01 min

Lab File: BE090437.D

Acq: 11 Aug 2015 20:35

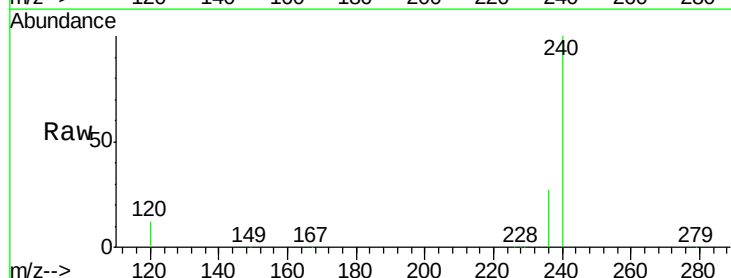
Tgt Ion:240 Resp: 136545

Ion Ratio Lower Upper

240 100

120 11.9 8.3 12.5

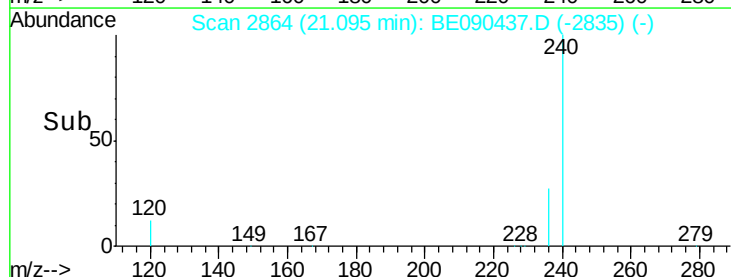
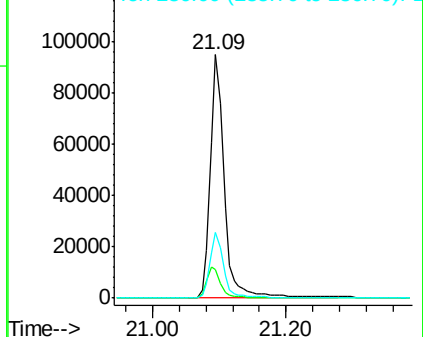
236 27.0 21.0 31.4

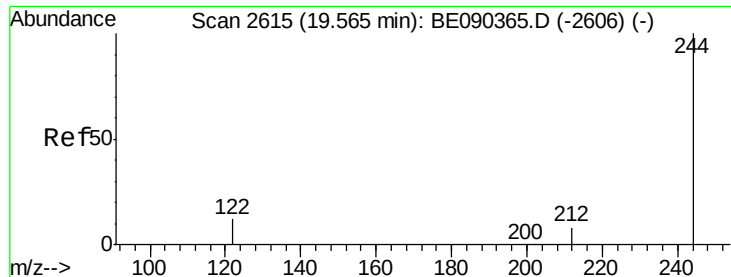


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#27

Terphenyl-d14

Concen: 5.50 ng

RT: 19.55 min Scan# 2613

Delta R.T. -0.01 min

Lab File: BE090437.D

Acq: 11 Aug 2015 20:35

Instrument :

BNA_E

ClientSampleId :

080915-D506-E-D-M

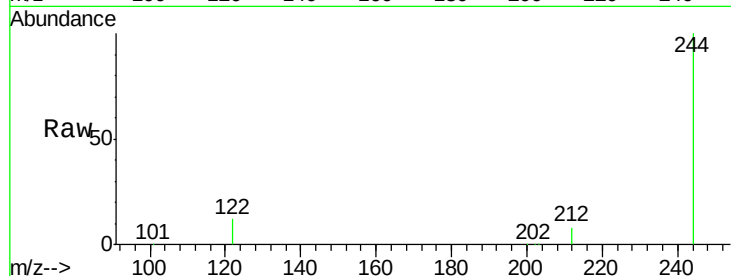
Tgt Ion:244 Resp: 110725

Ion Ratio Lower Upper

244 100

212 8.0 6.6 9.8

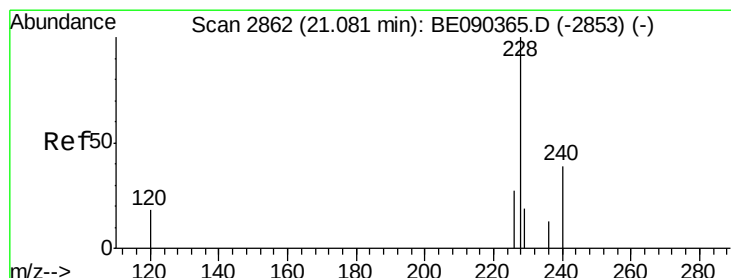
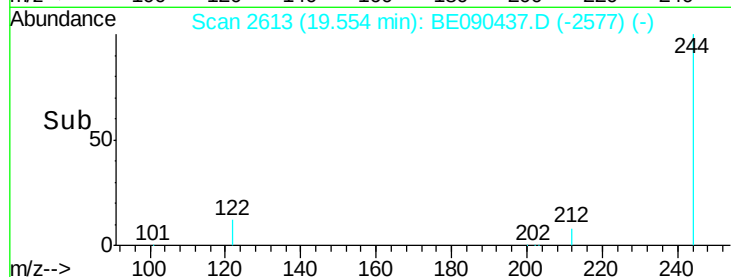
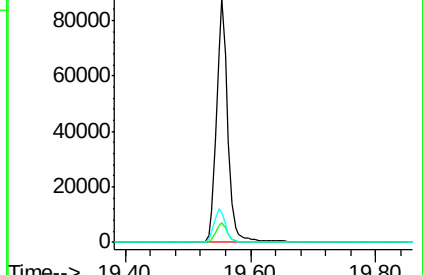
122 12.2 10.2 15.4



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



#28

Benzo(a)anthracene

Concen: 0.02 ng

RT: 21.09 min Scan# 2864

Delta R.T. 0.01 min

Lab File: BE090437.D

Acq: 11 Aug 2015 20:35

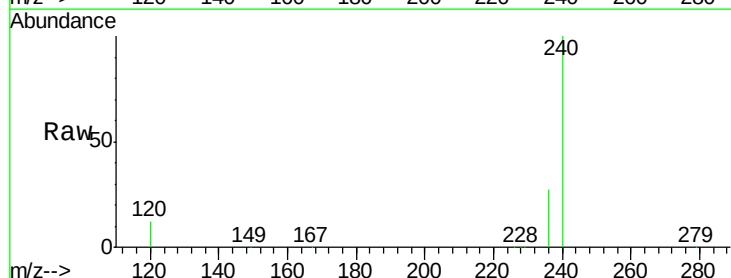
Tgt Ion:228 Resp: 705

Ion Ratio Lower Upper

228 100

226 31.7 21.9 32.9

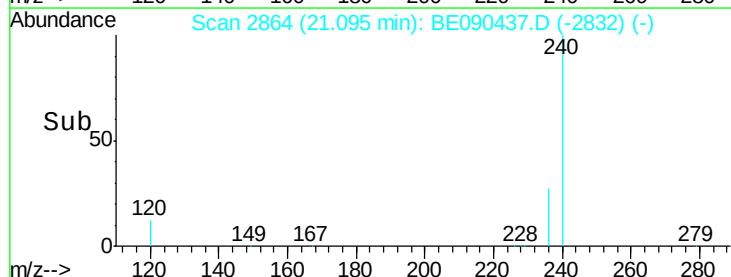
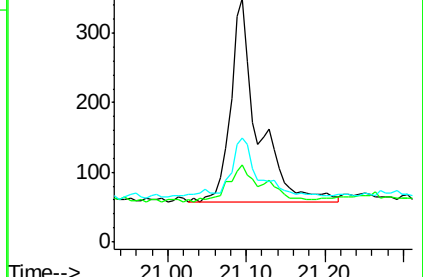
229 42.6 15.4 23.0#

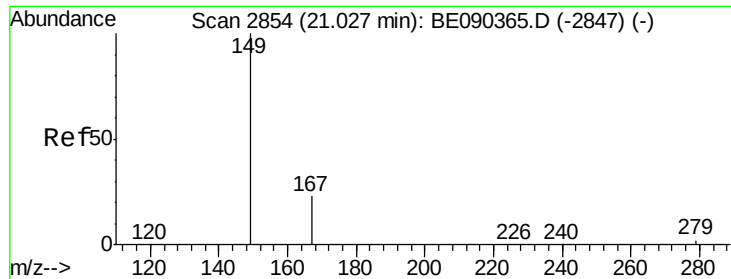


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#30

Bis(2-ethylhexyl)phthalate

Concen: 0.47 ng

RT: 21.03 min Scan# 2854

Delta R.T. 0.00 min

Lab File: BE090437.D

Acq: 11 Aug 2015 20:35

Instrument :

BNA_E

ClientSampleId :

080915-D506-E-D-M

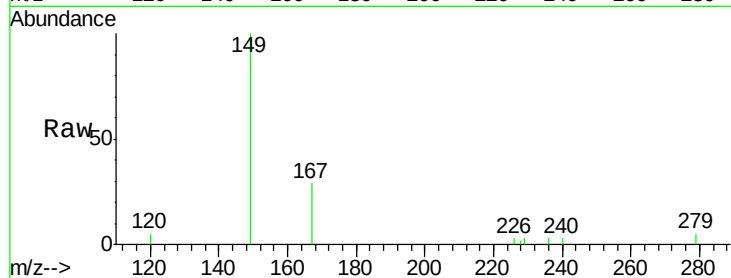
Tgt Ion:149 Resp: 2654

Ion Ratio Lower Upper

149 100

167 24.8 19.8 29.8

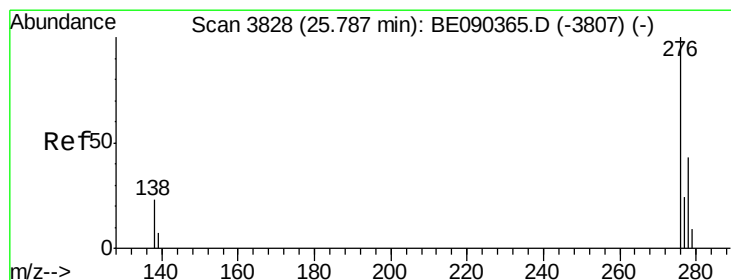
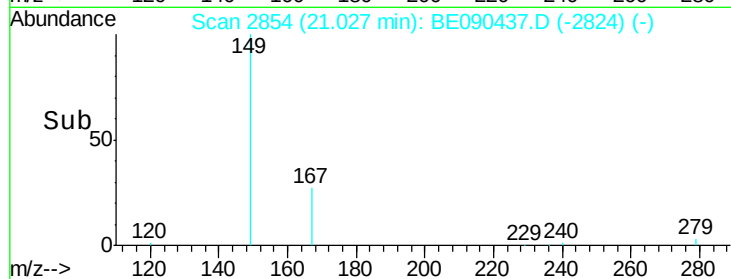
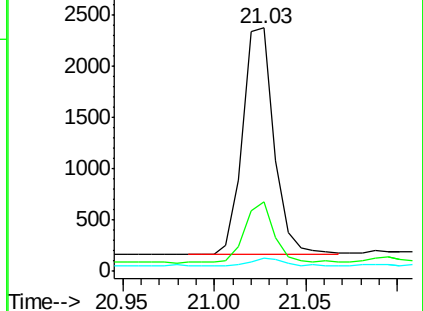
279 3.2 2.4 3.6



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# 3828

Delta R.T. -0.00 min

Lab File: BE090437.D

Acq: 11 Aug 2015 20:35

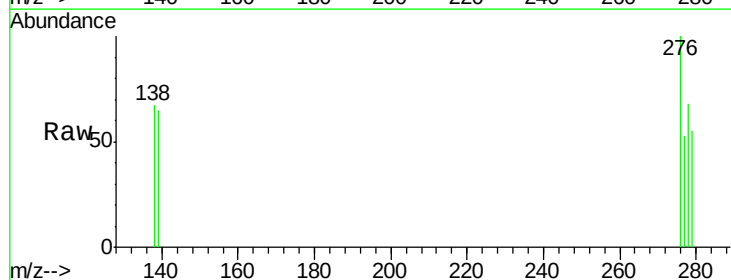
Tgt Ion:276 Resp: 295

Ion Ratio Lower Upper

276 100

138 0.0 18.8 28.2#

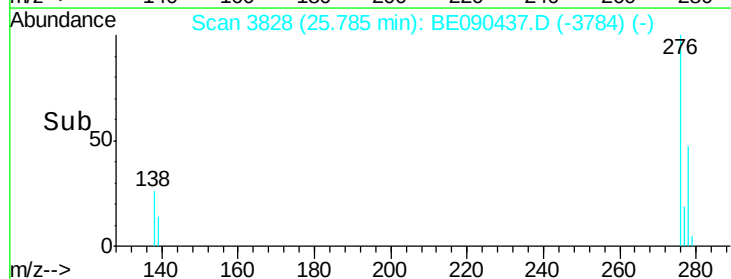
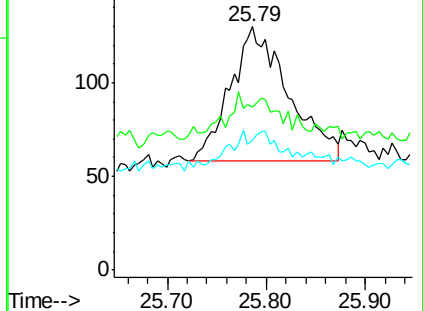
277 7.5 18.2 27.4#

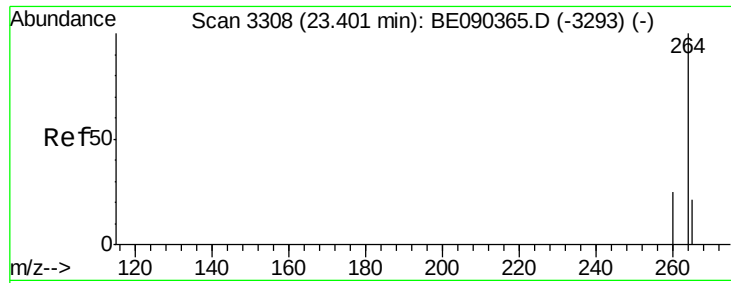


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

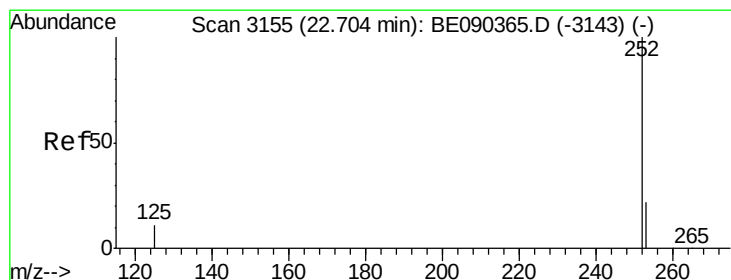
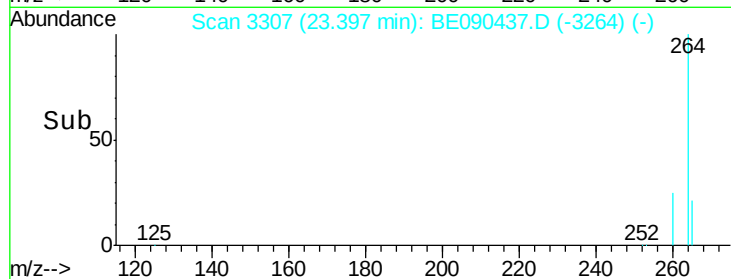
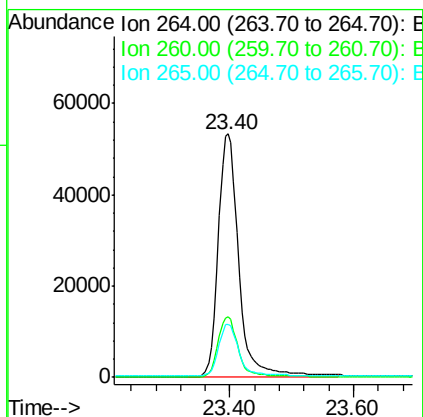
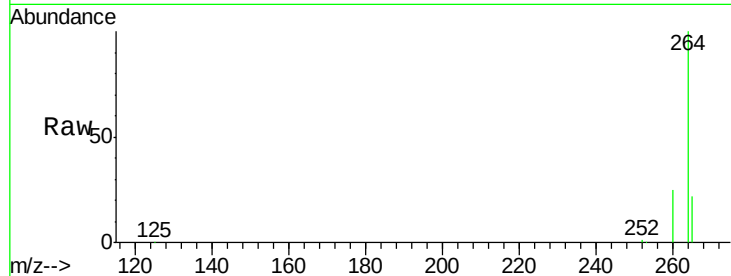




#32
Perylene-d12
 Concen: 5.00 ng
 RT: 23.40 min Scan# 3307
 Delta R.T. -0.00 min
 Lab File: BE090437.D
 Acq: 11 Aug 2015 20:35

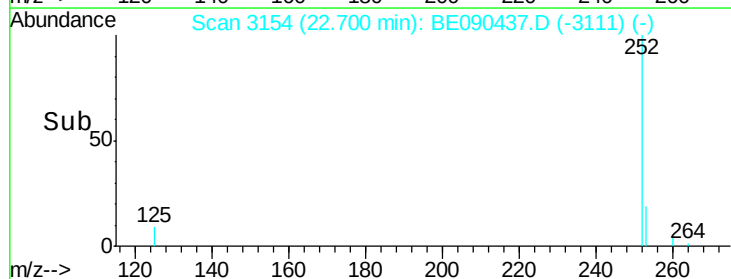
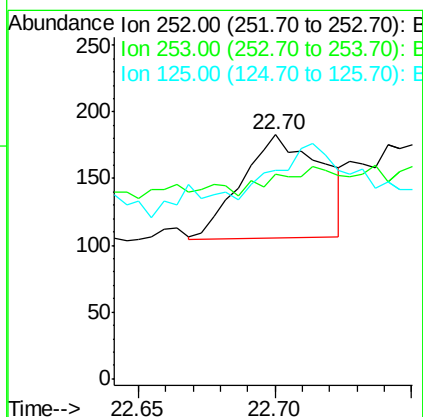
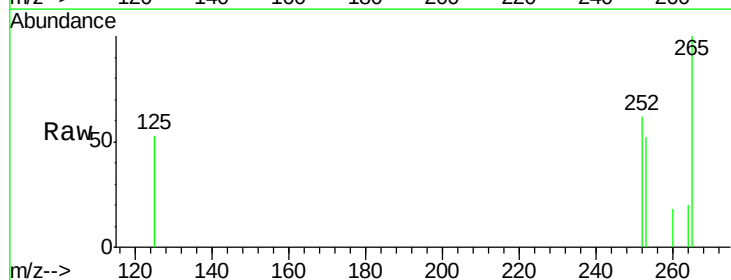
Instrument :
 BNA_E
 ClientSampleId :
 080915-D506-E-D-M

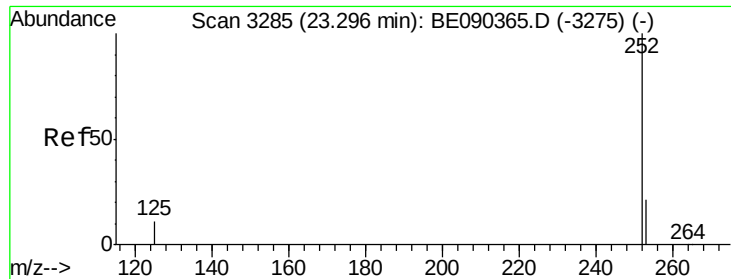
Tgt Ion: 264 Resp: 123869
 Ion Ratio Lower Upper
 264 100
 260 24.9 20.1 30.1
 265 21.6 17.2 25.8



#33
Benzo(b)fluoranthene
 Concen: 0.20 ng
 RT: 22.70 min Scan# 3154
 Delta R.T. -0.00 min
 Lab File: BE090437.D
 Acq: 11 Aug 2015 20:35

Tgt Ion: 252 Resp: 160
 Ion Ratio Lower Upper
 252 100
 253 83.6 18.1 27.1#
 125 85.2 9.4 14.2#





#35

Benzo(a)pyrene

Concen: 0.23 ng

RT: 23.29 min Scan# 3283

Delta R.T. -0.01 min

Lab File: BE090437.D

Acq: 11 Aug 2015 20:35

Instrument :

BNA_E

ClientSampleId :

080915-D506-E-D-M

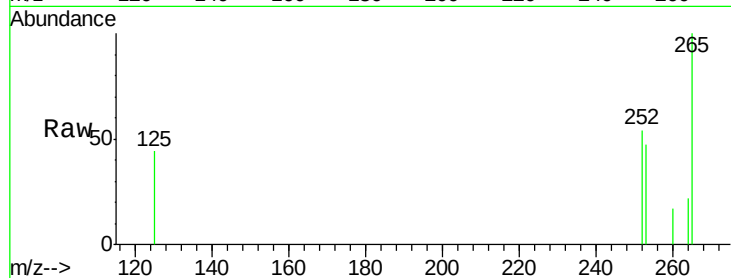
Tgt Ion: 252 Resp: 170

Ion Ratio Lower Upper

252 100

253 86.5 17.6 26.4#

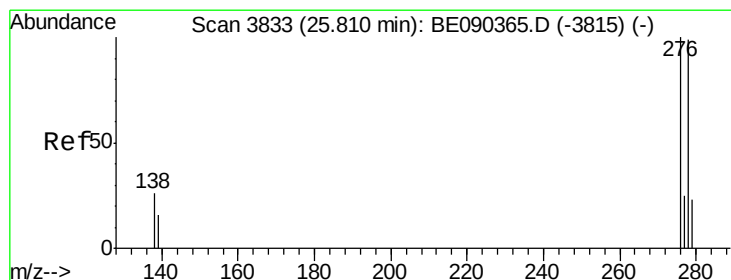
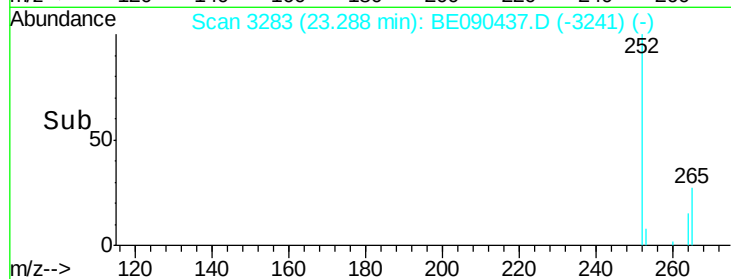
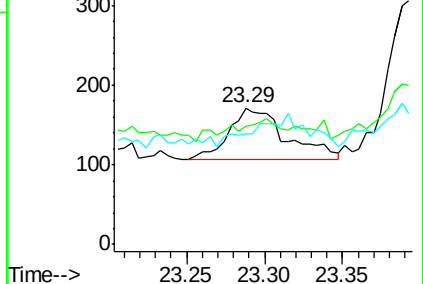
125 81.3 9.8 14.6#



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# 3832

Delta R.T. -0.01 min

Lab File: BE090437.D

Acq: 11 Aug 2015 20:35

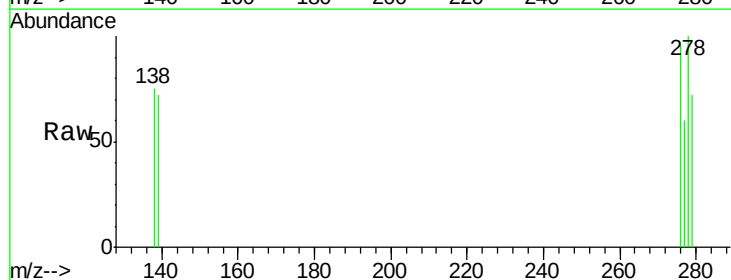
Tgt Ion: 278 Resp: 264

Ion Ratio Lower Upper

278 100

139 72.3 14.2 21.4#

279 72.3 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

