

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE081015\
 Data File : BE090409.D
 Acq On : 10 Aug 2015 19:37
 Operator : TP/UM
 Sample : G3197-02
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

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

Quant Time: Aug 11 03:17:20 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	26543	5.00	ng	0.00
6) Naphthalene-d8	10.34	136	124325	5.00	ng	0.00
12) Acenaphthene-d10	14.20	164	72456	5.00	ng	0.00
18) Phenanthrene-d10	16.94	188	170952	5.00	ng	0.00
25) Chrysene-d12	21.09	240	206614	5.00	ng	0.00
32) Perylene-d12	23.40	264	196512	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.22	112	14824	3.72	ng	0.00
5) Phenol-d6	6.77	99	13475	1.76	ng	0.00
7) Nitrobenzene-d5	8.73	82	30791	3.12	ng	0.00
13) 2,4,6-Tribromophenol	15.69	330	18273	8.16	ng	-0.02
14) 2-Fluorobiphenyl	12.82	172	70835	3.55	ng	0.00
27) Terphenyl-d14	19.56	244	136302	4.48	ng	0.00

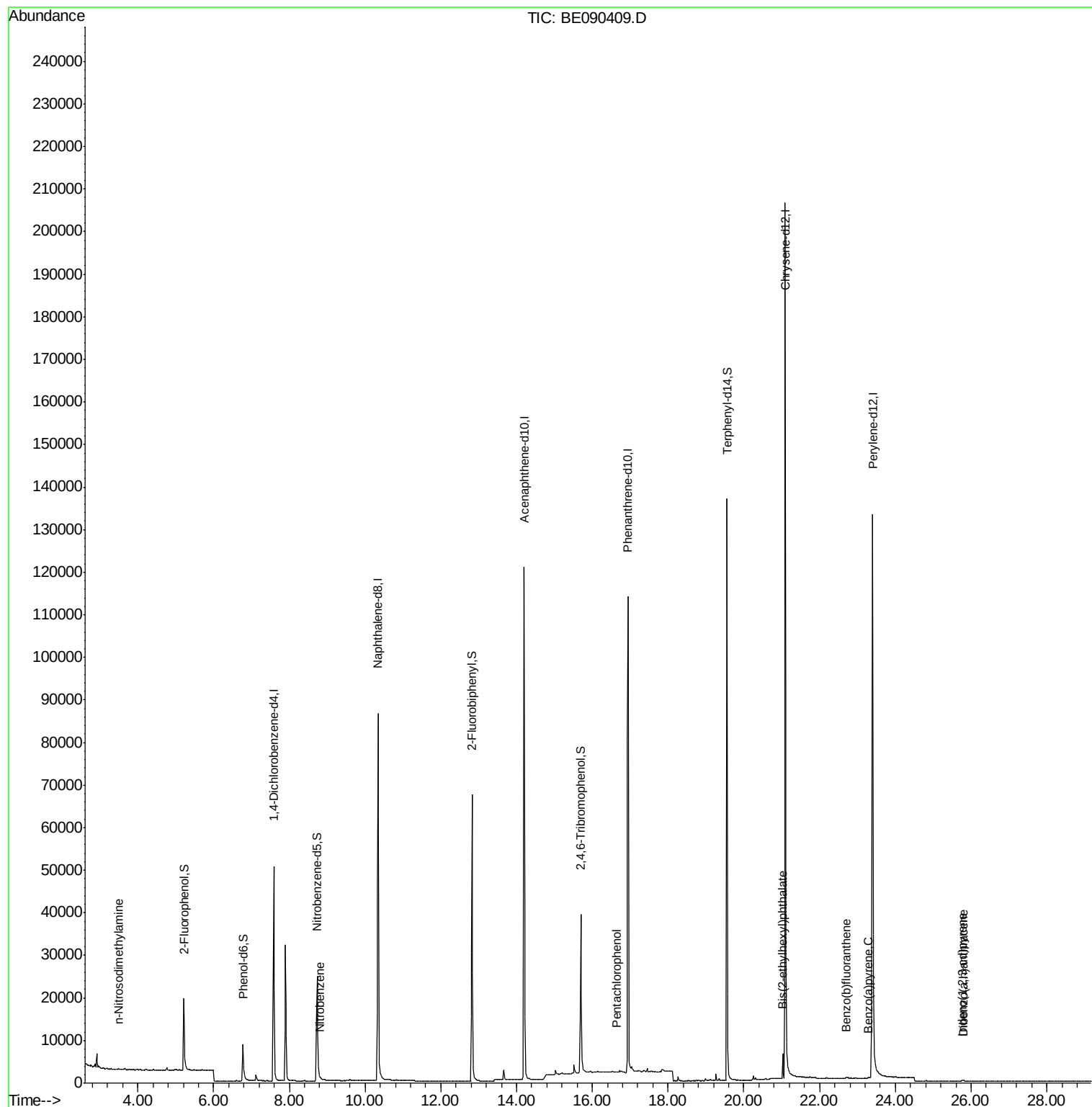
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.35	88	13	Below Cal	#	15
3) n-Nitrosodimethylamine	3.49	42	87	0.02	ng	# 10
8) Nitrobenzene	8.81	77	16	0.21	ng	# 1
10) Hexachlorobutadiene	10.66	225	7	Below Cal	#	36
21) Pentachlorophenol	16.63	266	23	0.11	ng	# 72
30) Bis(2-ethylhexyl)phthalate	21.03	149	5135	0.56	ng	100
31) Indeno(1,2,3-cd)pyrene	25.78	276	189	0.26	ng	# 69
33) Benzo(b)fluoranthene	22.71	252	189	0.20	ng	# 1
35) Benzo(a)pyrene	23.29	252	159	0.23	ng	# 1
36) Dibenzo(a,h)anthracene	25.80	278	79	0.29	ng	# 1

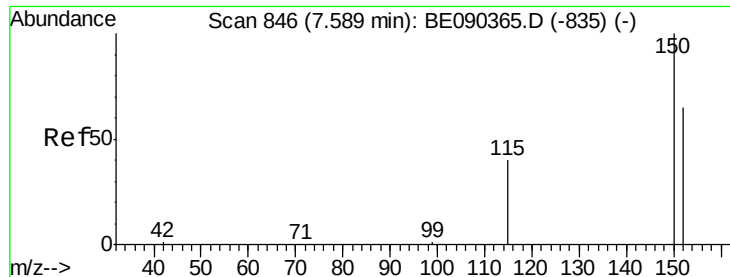
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE090409.D

Acq: 10 Aug 2015 19:37

Instrument :

BNA_E

ClientSampleId :

080515-D534-E-D-S

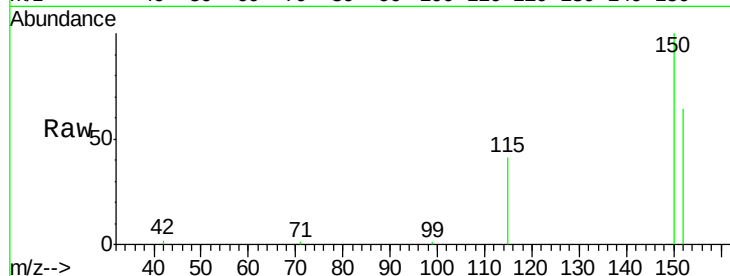
Tgt Ion: 152 Resp: 26543

Ion Ratio Lower Upper

152 100

150 155.5 123.0 184.4

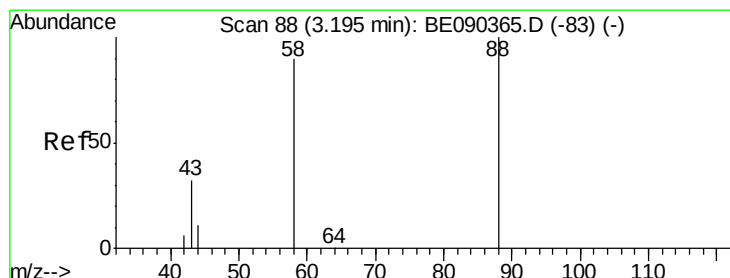
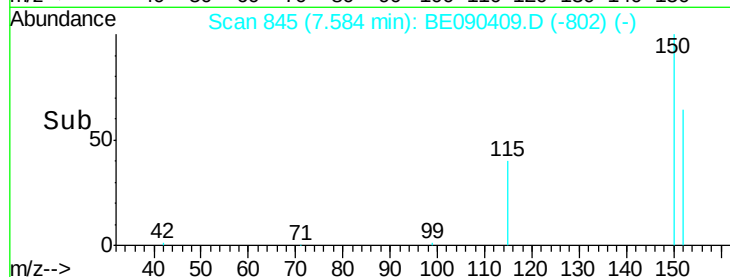
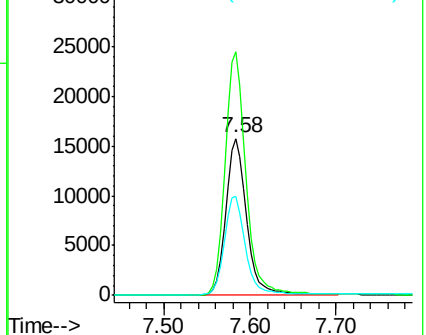
115 63.1 48.9 73.3



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: 3.35 min Scan# 111

Delta R.T. 0.16 min

Lab File: BE090409.D

Acq: 10 Aug 2015 19:37

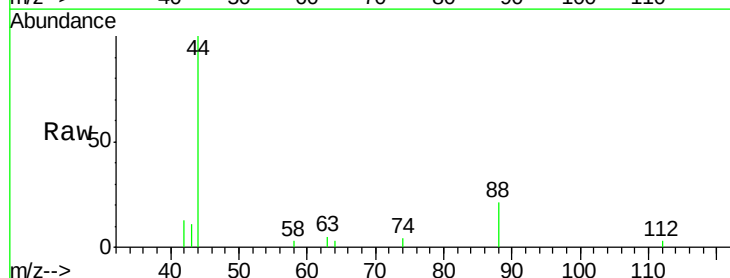
Tgt Ion: 88 Resp: 13

Ion Ratio Lower Upper

88 100

58 0.0 70.0 105.0#

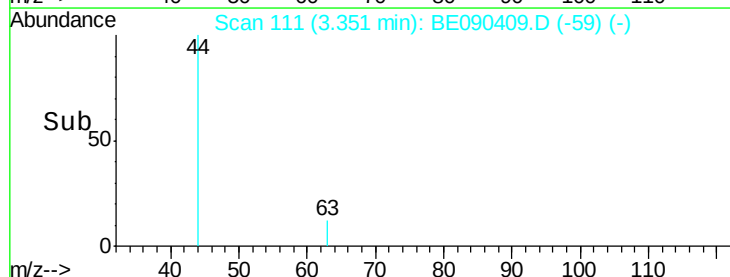
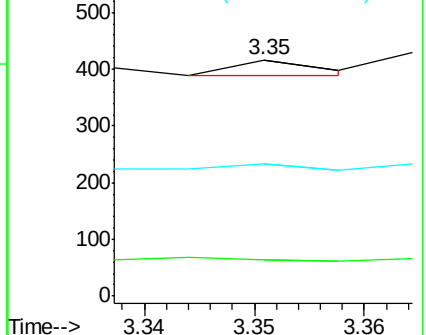
43 0.0 28.4 42.6#

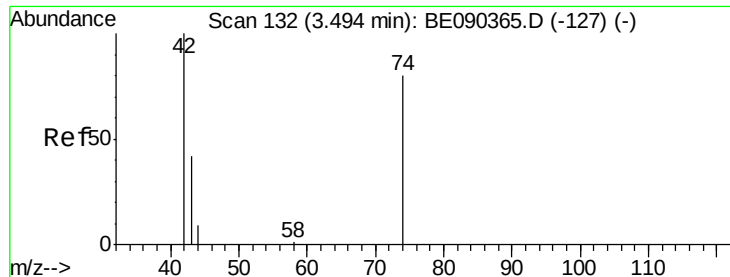


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.02 ng

RT: 3.49 min Scan# 131

Delta R.T. -0.01 min

Lab File: BE090409.D

Acq: 10 Aug 2015 19:37

Instrument :

BNA_E

ClientSampleId :

080515-D534-E-D-S

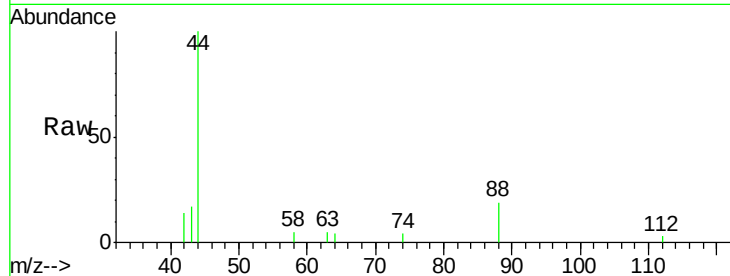
Tgt Ion: 42 Resp: 87

Ion Ratio Lower Upper

42 100

74 0.0 75.2 112.8#

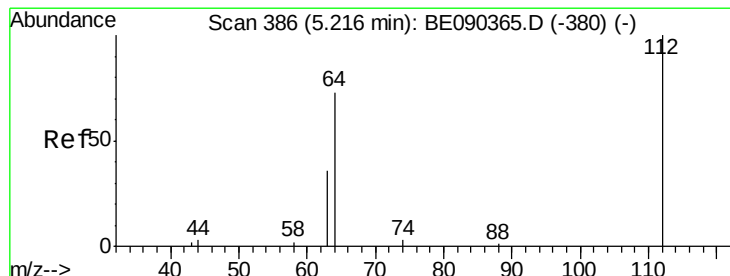
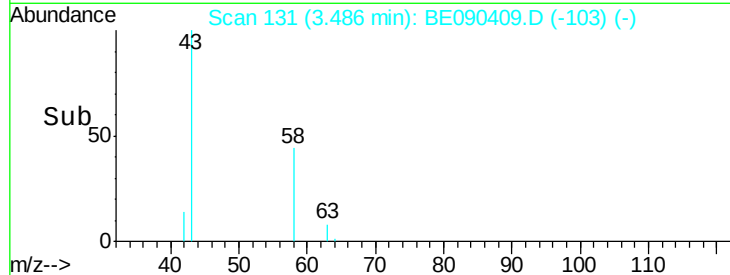
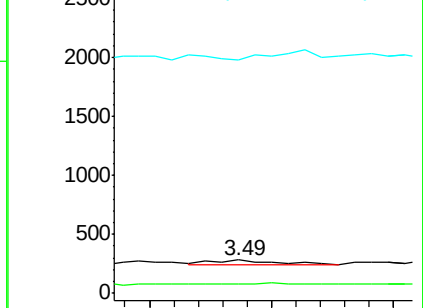
44 0.0 8.7 13.1#



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: 3.72 ng

RT: 5.22 min Scan# 386

Delta R.T. -0.00 min

Lab File: BE090409.D

Acq: 10 Aug 2015 19:37

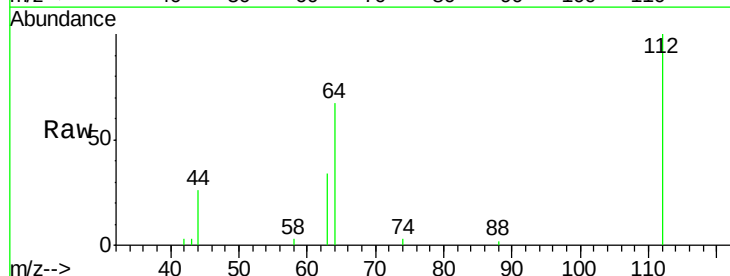
Tgt Ion: 112 Resp: 14824

Ion Ratio Lower Upper

112 100

64 71.2 37.1 55.7#

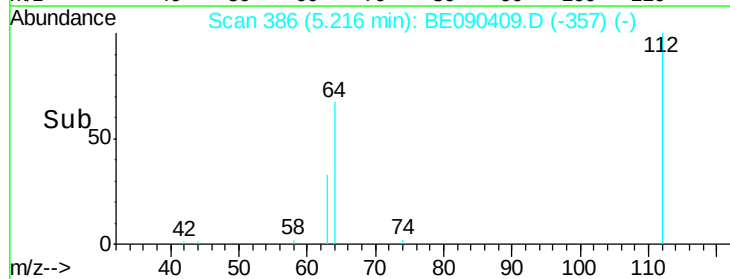
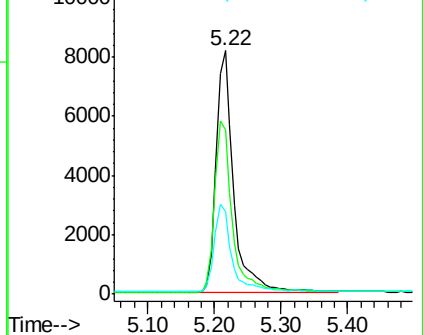
63 35.5 19.5 29.3#

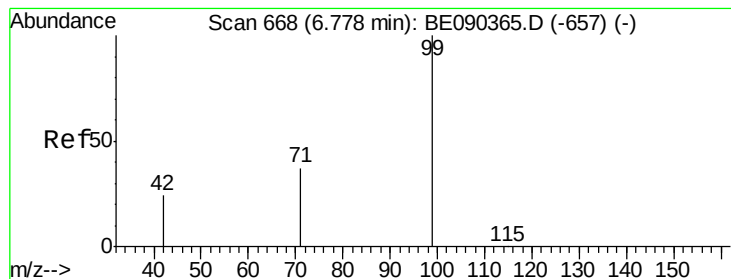


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 1.76 ng

RT: 6.77 min Scan# 667

Delta R.T. -0.00 min

Lab File: BE090409.D

Acq: 10 Aug 2015 19:37

Instrument :

BNA_E

ClientSampleId :

080515-D534-E-D-S

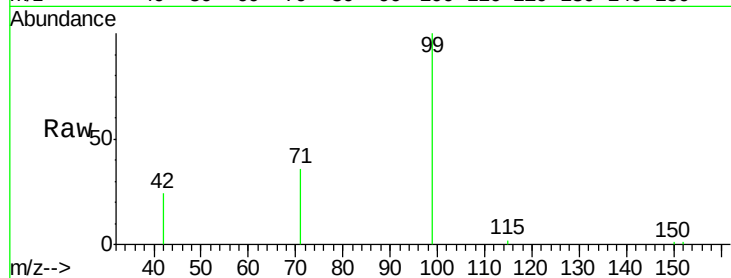
Tgt Ion: 99 Resp: 13475

Ion Ratio Lower Upper

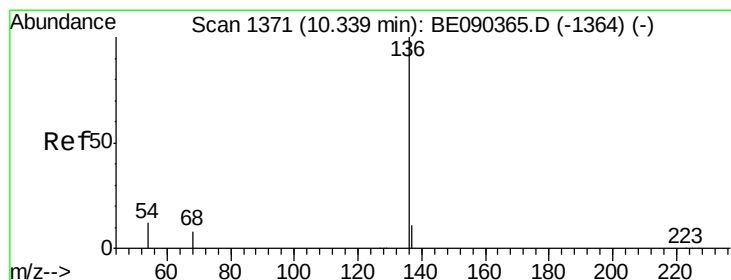
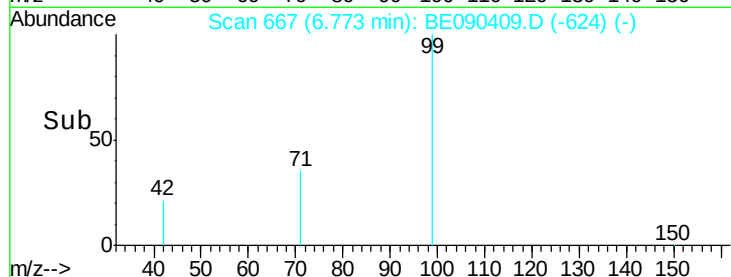
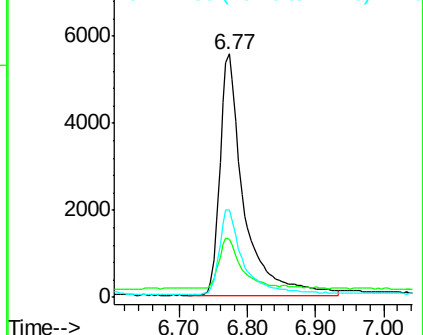
99 100

42 19.6 18.2 27.4

71 35.7 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: BE090409.D

Acq: 10 Aug 2015 19:37

Tgt Ion: 136 Resp: 124325

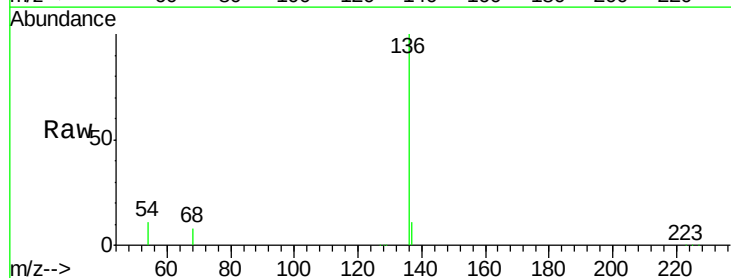
Ion Ratio Lower Upper

136 100

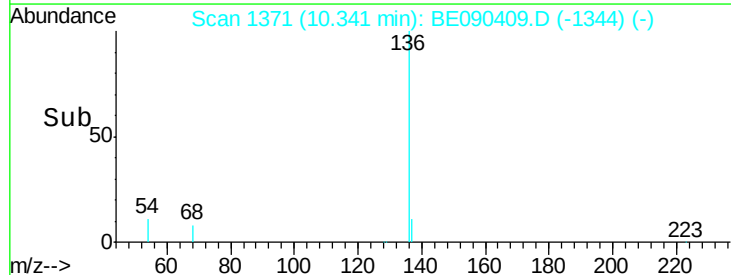
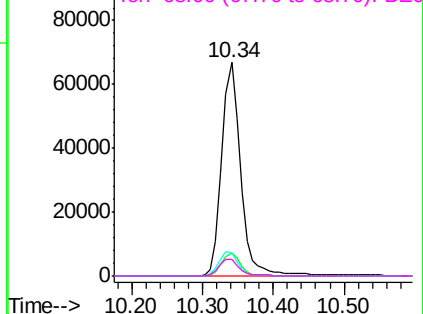
137 10.8 8.7 13.1

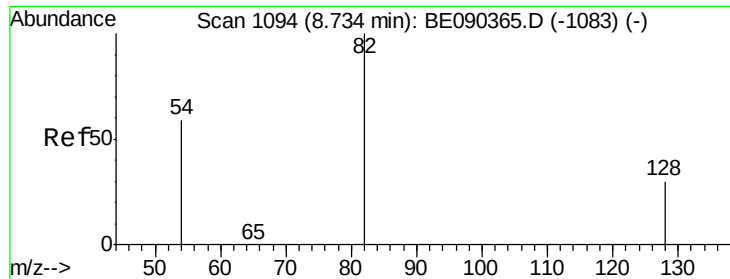
54 10.7 9.4 14.0

68 7.9 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: 3.12 ng

RT: 8.73 min Scan# 1093

Delta R.T. -0.00 min

Lab File: BE090409.D

Acq: 10 Aug 2015 19:37

Instrument :

BNA_E

ClientSampleId :

080515-D534-E-D-S

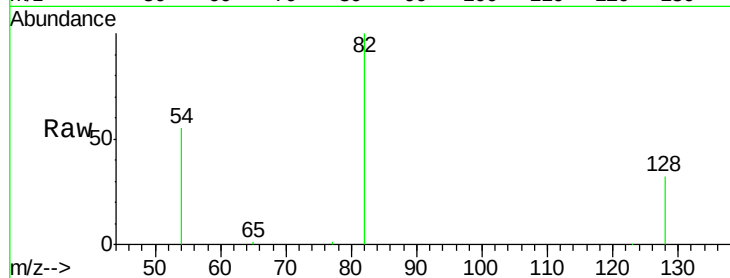
Tgt Ion: 82 Resp: 30791

Ion Ratio Lower Upper

82 100

128 32.5 25.0 37.6

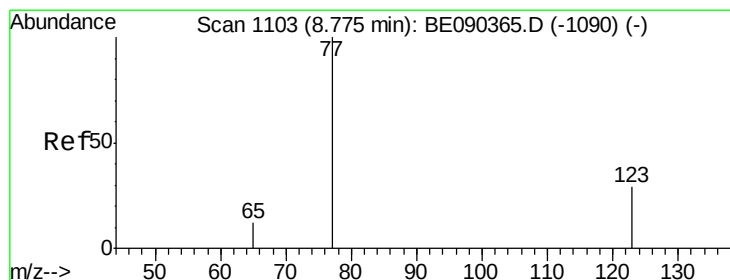
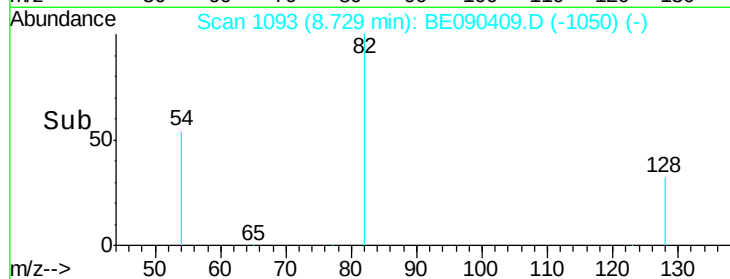
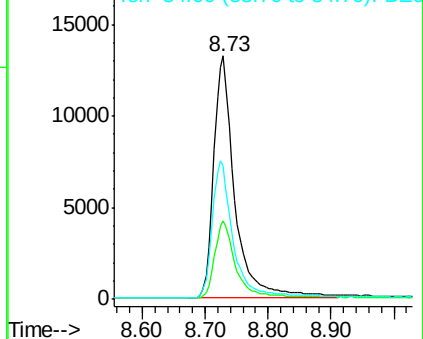
54 54.8 48.8 73.2



Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): BE0

Ion 54.00 (53.70 to 54.70): BE0



#8

Nitrobenzene

Concen: 0.21 ng

RT: 8.81 min Scan# 1111

Delta R.T. 0.04 min

Lab File: BE090409.D

Acq: 10 Aug 2015 19:37

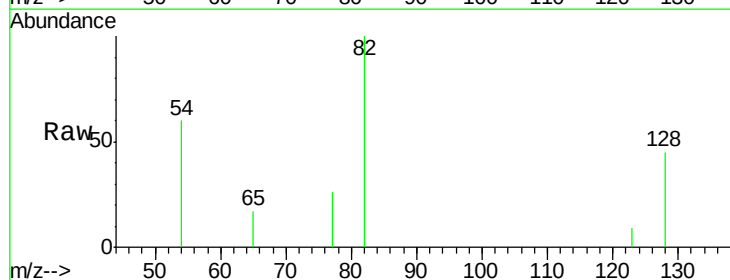
Tgt Ion: 77 Resp: 16

Ion Ratio Lower Upper

77 100

123 0.0 25.1 37.7#

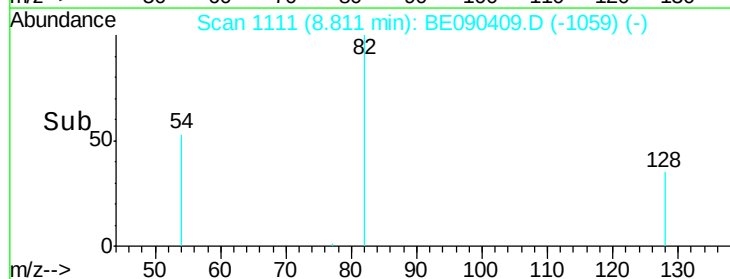
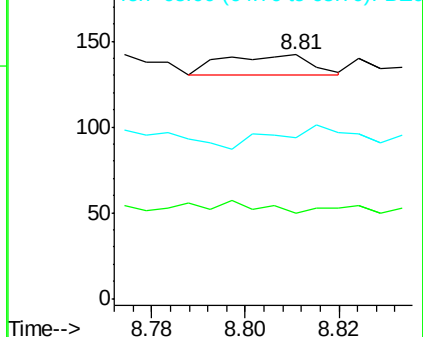
65 131.3 9.3 13.9#

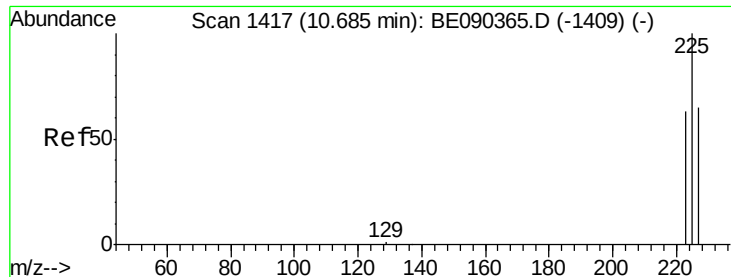


Abundance Ion 77.00 (76.70 to 77.70): BE0

Ion 123.00 (122.70 to 123.70): BE0

Ion 65.00 (64.70 to 65.70): BE0





#10

Hexachlorobutadiene

Concen: Below Cal

RT: 10.66 min Scan# 1413

Delta R.T. -0.03 min

Lab File: BE090409.D

Acq: 10 Aug 2015 19:37

Instrument :

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ClientSampleId :

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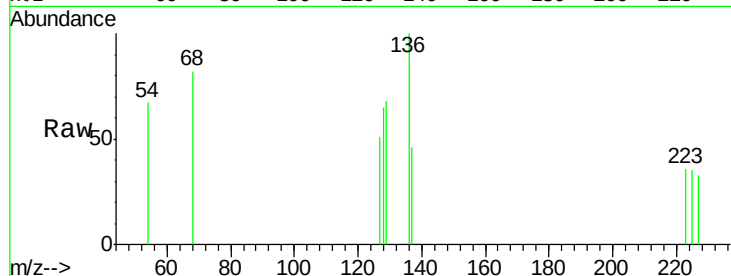
Tgt Ion: 225 Resp: 7

Ion Ratio Lower Upper

225 100

223 0.0 50.6 75.8#

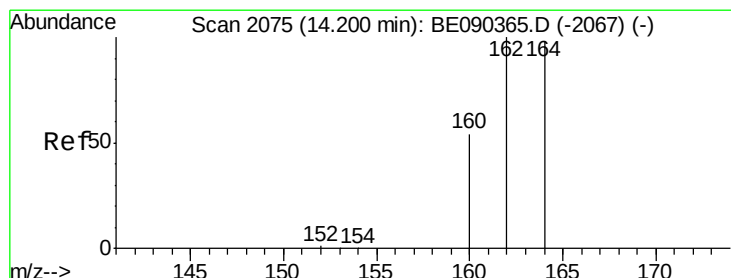
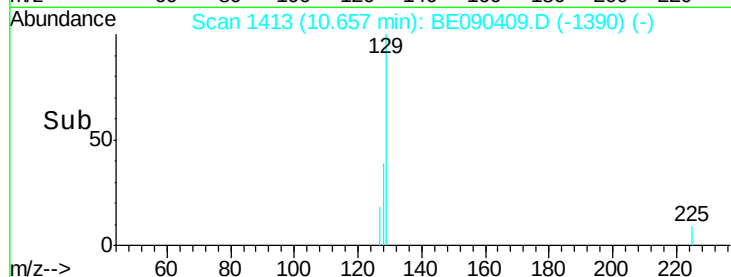
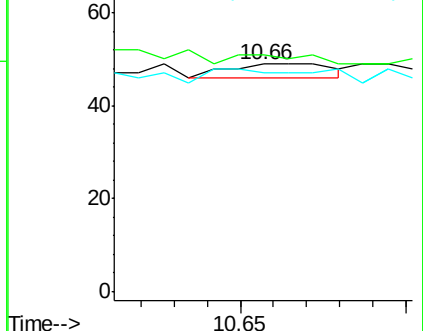
227 100.0 50.7 76.1#



Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E



#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.20 min Scan# 2075

Delta R.T. -0.00 min

Lab File: BE090409.D

Acq: 10 Aug 2015 19:37

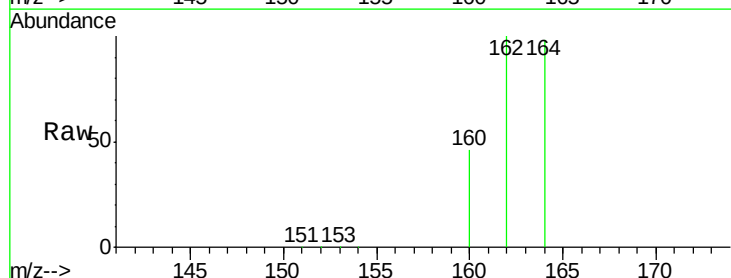
Tgt Ion: 164 Resp: 72456

Ion Ratio Lower Upper

164 100

162 102.4 81.8 122.8

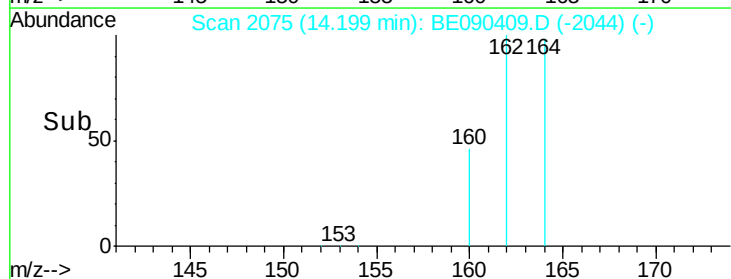
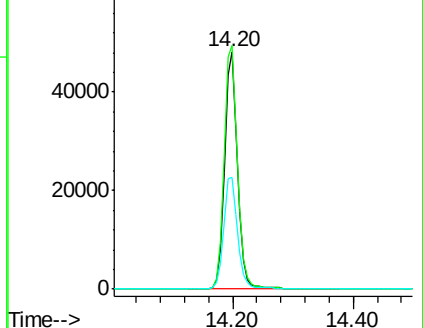
160 46.8 44.2 66.4

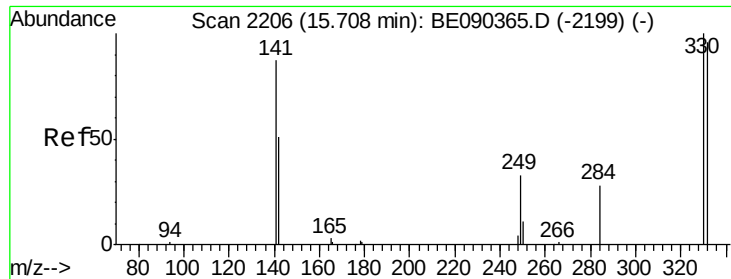


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

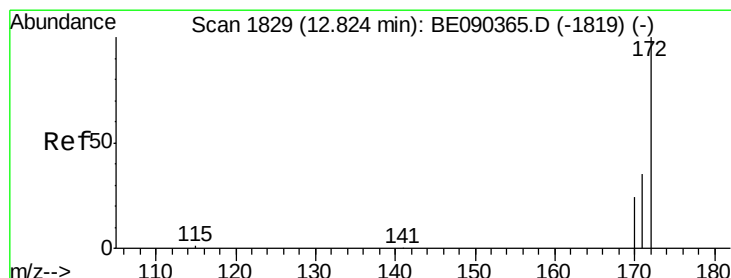
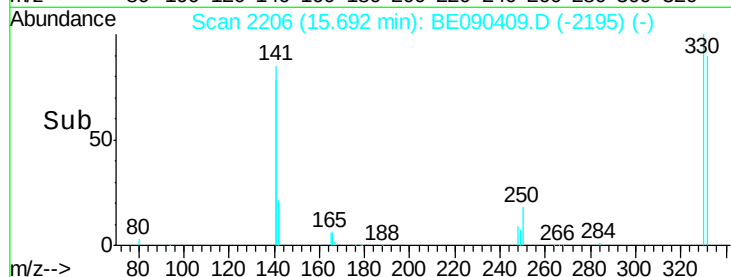
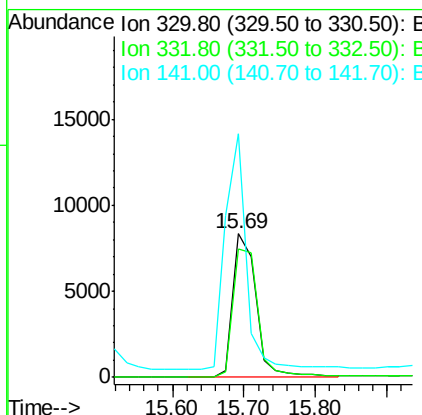
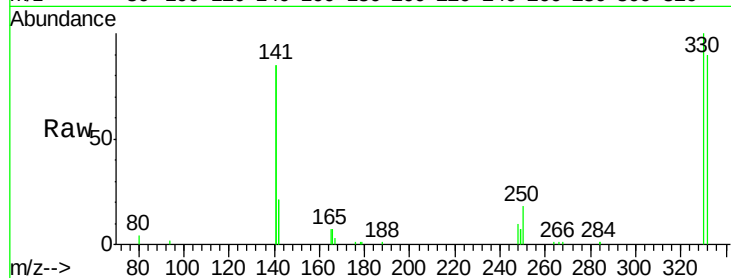




#13
 2,4,6-Tribromophenol
 Concen: 8.16 ng
 RT: 15.69 min Scan# 2206
 Delta R.T. -0.02 min
 Lab File: BE090409.D
 Acq: 10 Aug 2015 19:37

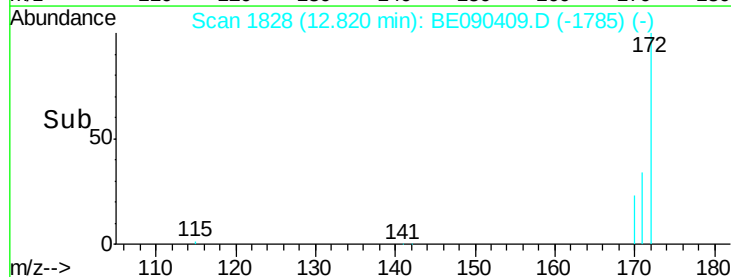
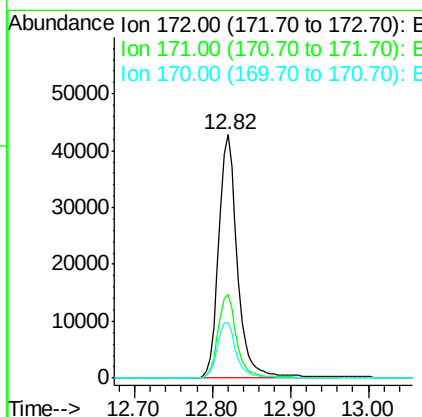
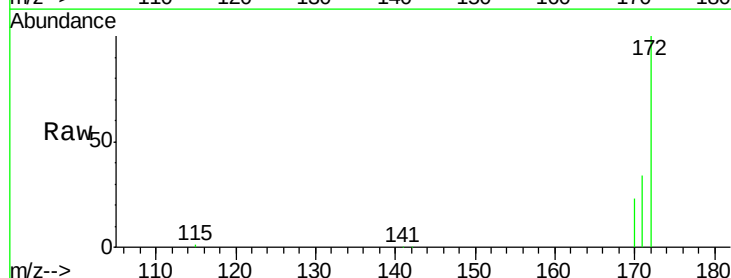
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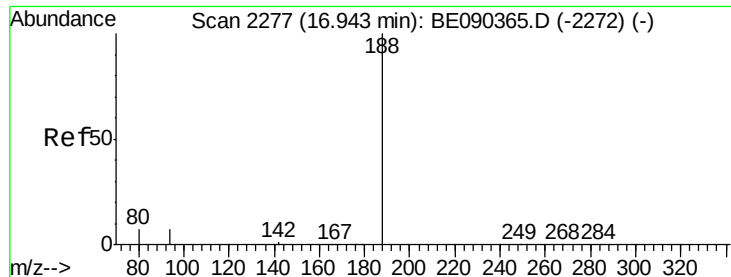
Tgt Ion: 330 Resp: 18273
 Ion Ratio Lower Upper
 330 100
 332 96.0 75.8 113.6
 141 152.3 114.4 171.6



#14
 2-Fluorobiphenyl
 Concen: 3.55 ng
 RT: 12.82 min Scan# 1828
 Delta R.T. -0.00 min
 Lab File: BE090409.D
 Acq: 10 Aug 2015 19:37

Tgt Ion: 172 Resp: 70835
 Ion Ratio Lower Upper
 172 100
 171 34.5 28.5 42.7
 170 22.7 19.8 29.8





#18

Phenanthrene-d10

Concen: 5.00 ng

RT: 16.94 min Scan# 2278

Delta R.T. 0.00 min

Lab File: BE090409.D

Acq: 10 Aug 2015 19:37

Instrument :

BNA_E

ClientSampleId :

080515-D534-E-D-S

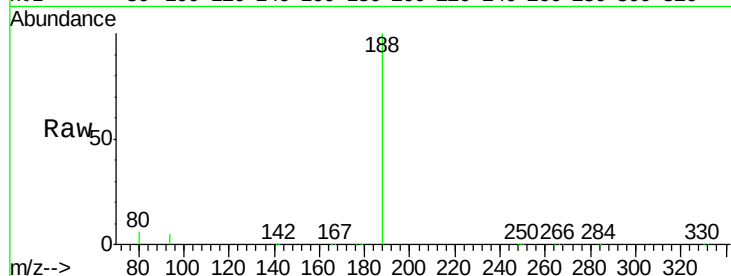
Tgt Ion:188 Resp: 170952

Ion Ratio Lower Upper

188 100

94 5.5 5.7 8.5#

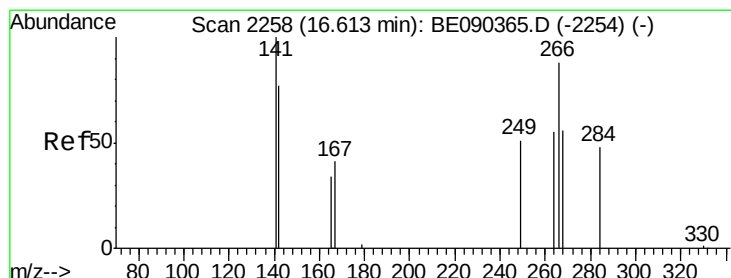
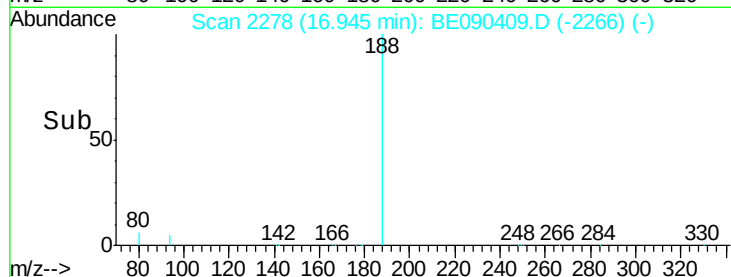
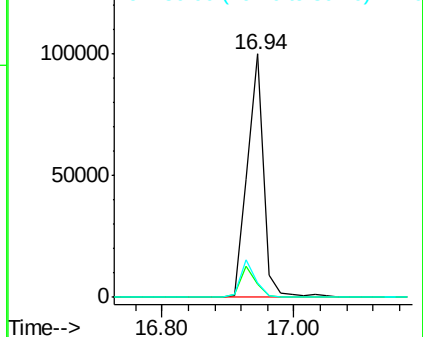
80 5.7 5.8 8.8#



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: 0.11 ng

RT: 16.63 min Scan# 2260

Delta R.T. 0.02 min

Lab File: BE090409.D

Acq: 10 Aug 2015 19:37

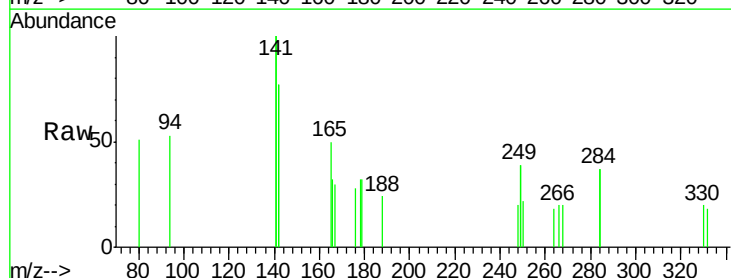
Tgt Ion:266 Resp: 23

Ion Ratio Lower Upper

266 100

268 98.1 58.5 87.7#

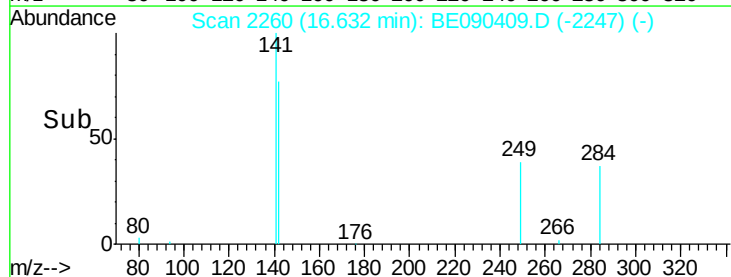
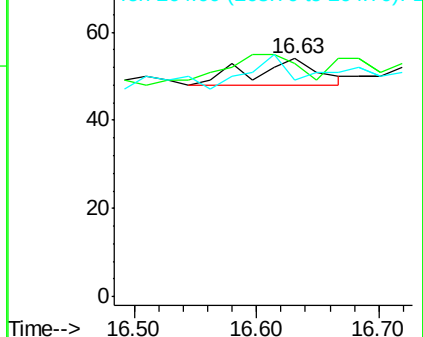
264 90.7 56.0 84.0#

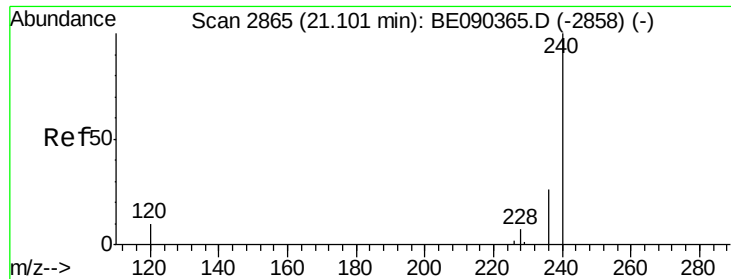


Abundance Ion 265.70 (265.40 to 266.40): E

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: BE090409.D

Acq: 10 Aug 2015 19:37

Instrument :

BNA_E

ClientSampleId :

080515-D534-E-D-S

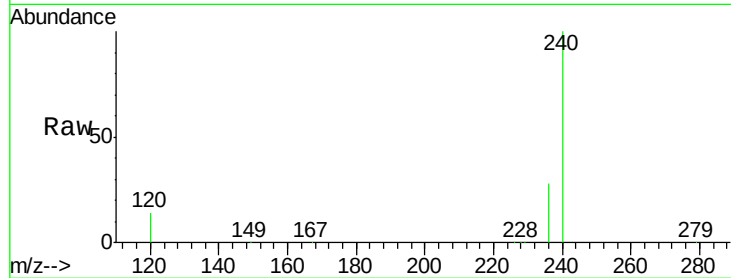
Tgt Ion:240 Resp: 206614

Ion Ratio Lower Upper

240 100

120 14.0 8.3 12.5#

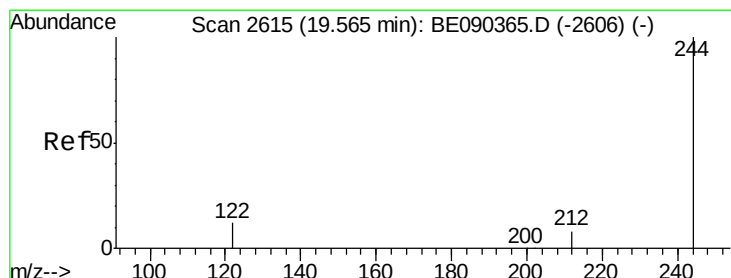
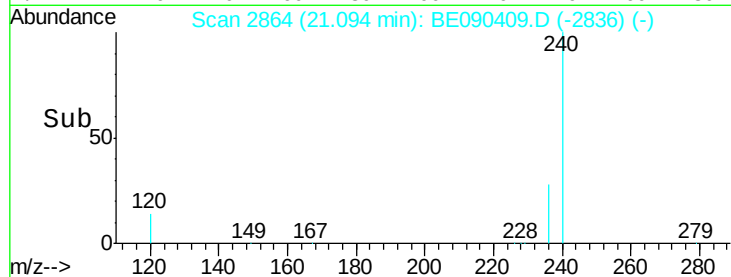
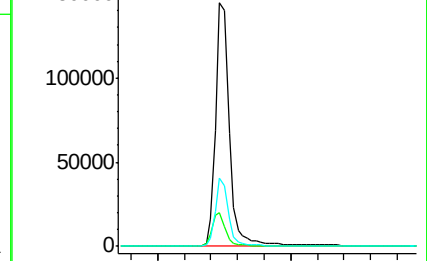
236 27.9 21.0 31.4



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: 4.48 ng

RT: 19.56 min Scan# 2614

Delta R.T. -0.01 min

Lab File: BE090409.D

Acq: 10 Aug 2015 19:37

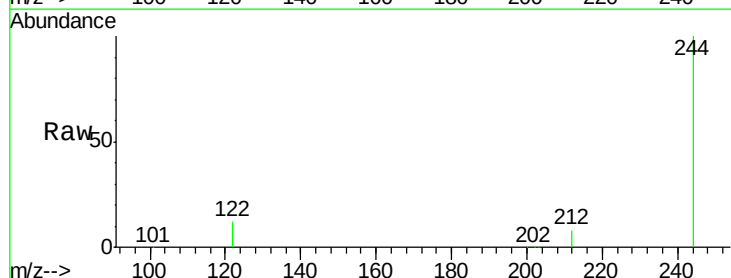
Tgt Ion:244 Resp: 136302

Ion Ratio Lower Upper

244 100

212 7.9 6.6 9.8

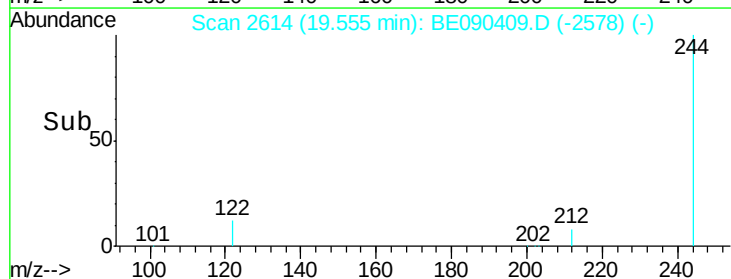
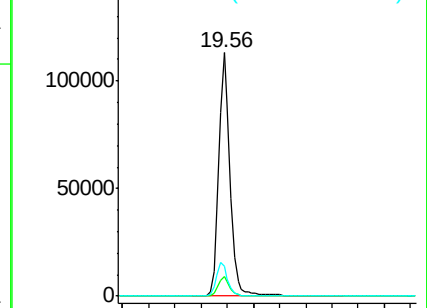
122 12.4 10.2 15.4

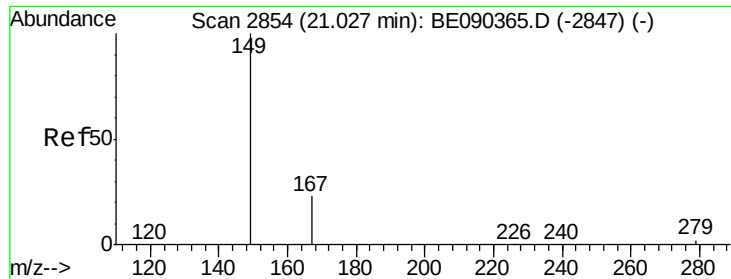


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#30

Bis(2-ethylhexyl)phthalate

Concen: 0.56 ng

RT: 21.03 min Scan# 2854

Delta R.T. -0.00 min

Lab File: BE090409.D

Acq: 10 Aug 2015 19:37

Instrument :

BNA_E

ClientSampleId :

080515-D534-E-D-S

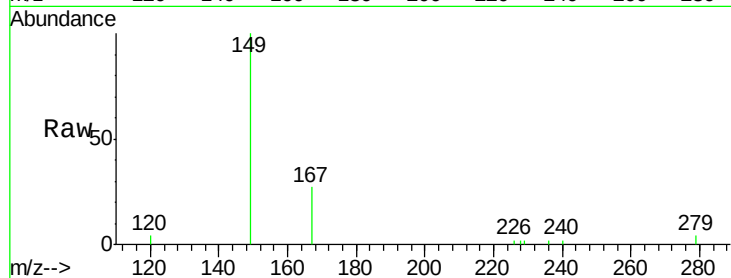
Tgt Ion:149 Resp: 5135

Ion Ratio Lower Upper

149 100

167 24.8 19.8 29.8

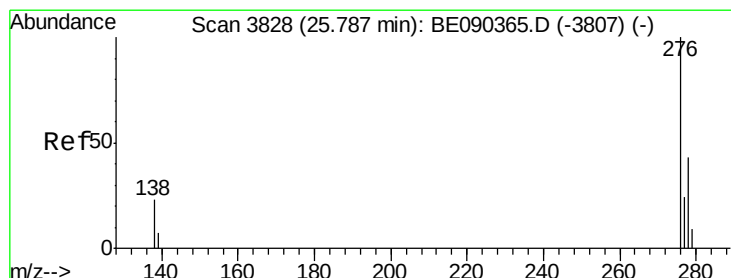
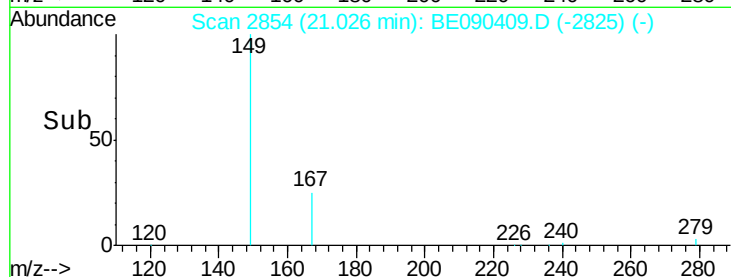
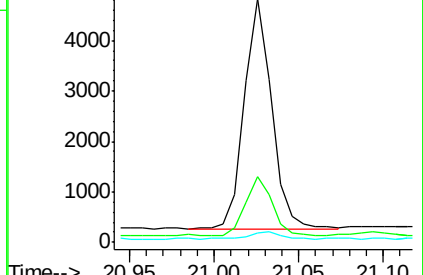
279 3.4 2.4 3.6



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: 25.78 min Scan# 3828

Delta R.T. -0.00 min

Lab File: BE090409.D

Acq: 10 Aug 2015 19:37

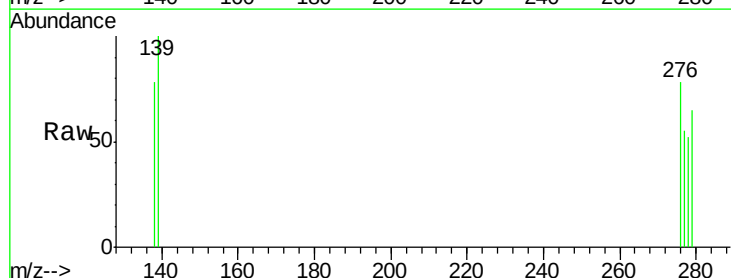
Tgt Ion:276 Resp: 189

Ion Ratio Lower Upper

276 100

138 0.0 18.8 28.2#

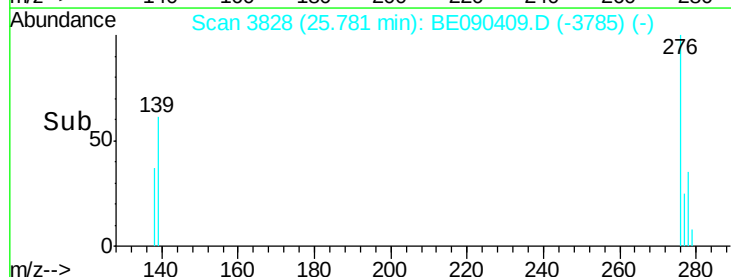
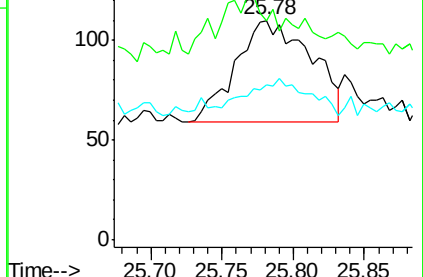
277 29.1 18.2 27.4#

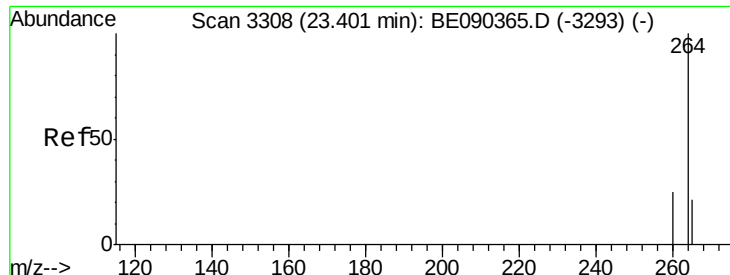


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

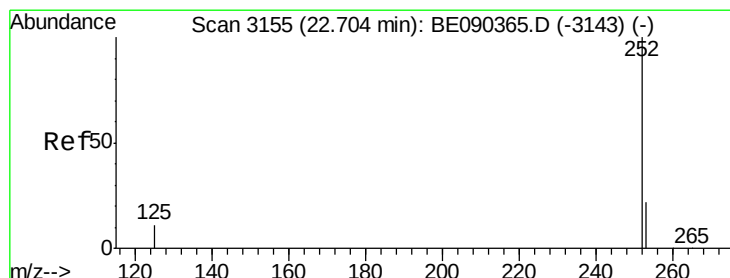
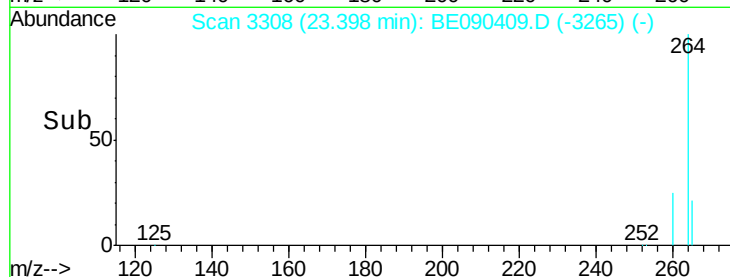
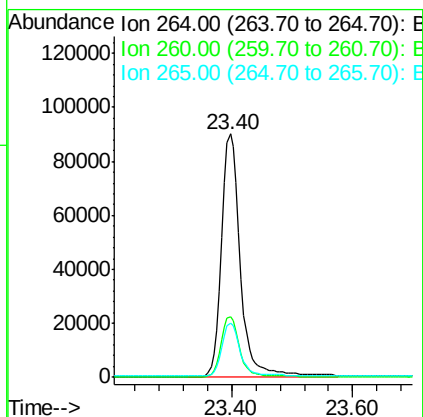
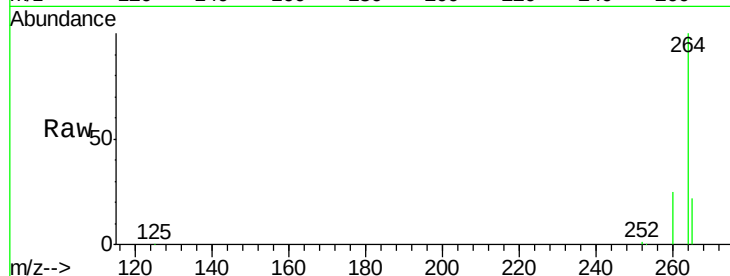




#32
Perylene-d12
 Concen: 5.00 ng
 RT: 23.40 min Scan# 3308
 Delta R.T. -0.00 min
 Lab File: BE090409.D
 Acq: 10 Aug 2015 19:37

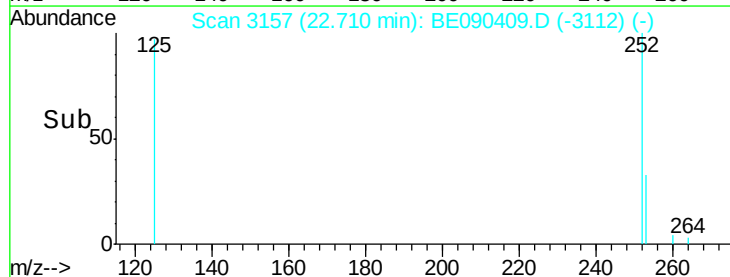
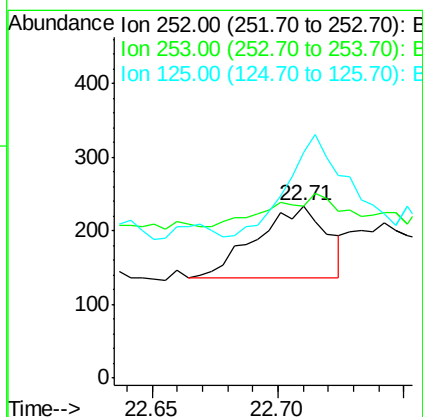
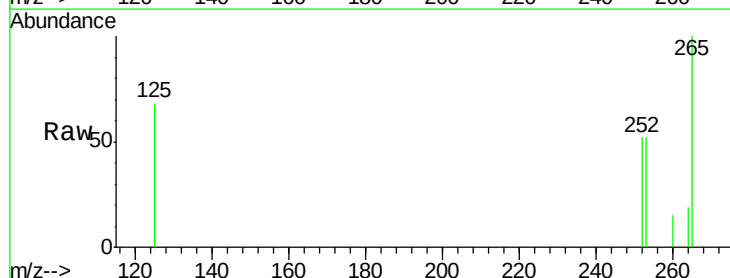
Instrument :
 BNA_E
 ClientSampleId :
 080515-D534-E-D-S

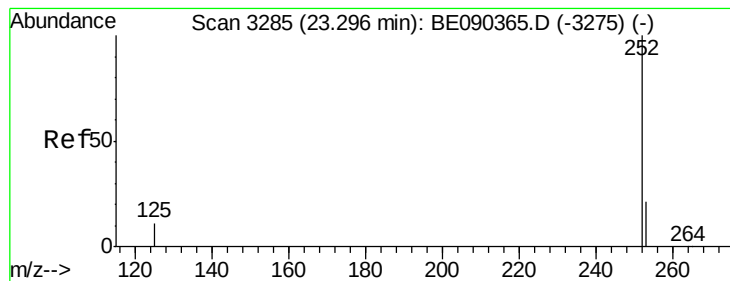
Tgt Ion: 264 Resp: 196512
 Ion Ratio Lower Upper
 264 100
 260 25.1 20.1 30.1
 265 22.0 17.2 25.8



#33
Benzo(b)fluoranthene
 Concen: 0.20 ng
 RT: 22.71 min Scan# 3157
 Delta R.T. 0.01 min
 Lab File: BE090409.D
 Acq: 10 Aug 2015 19:37

Tgt Ion: 252 Resp: 189
 Ion Ratio Lower Upper
 252 100
 253 100.0 18.1 27.1#
 125 131.2 9.4 14.2#





#35

Benzo(a)pyrene

Concen: 0.23 ng

RT: 23.29 min Scan# 3284

Delta R.T. -0.01 min

Lab File: BE090409.D

Acq: 10 Aug 2015 19:37

Instrument :

BNA_E

ClientSampleId :

080515-D534-E-D-S

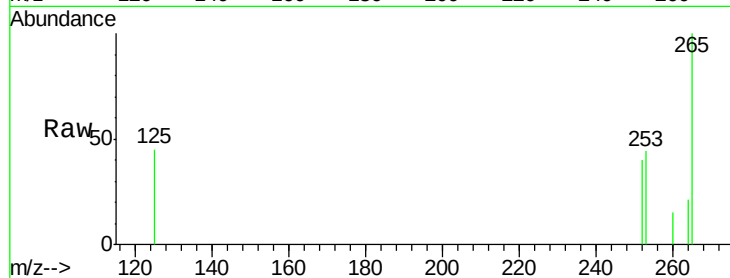
Tgt Ion: 252 Resp: 159

Ion Ratio Lower Upper

252 100

253 111.0 17.6 26.4#

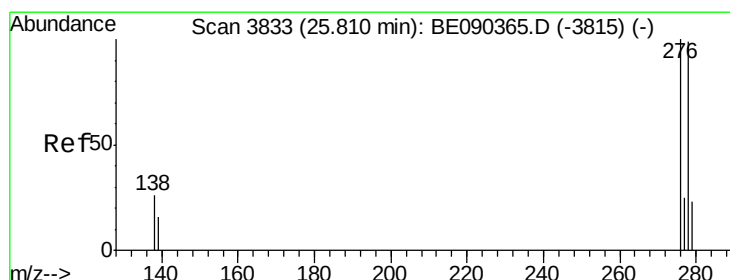
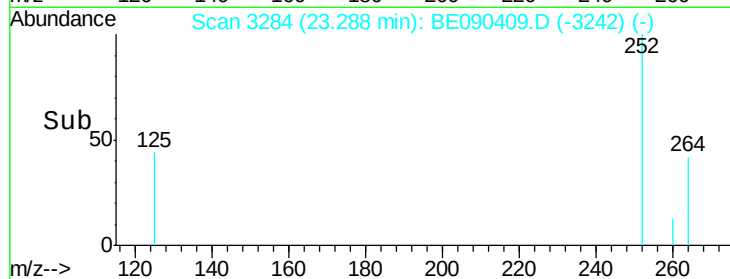
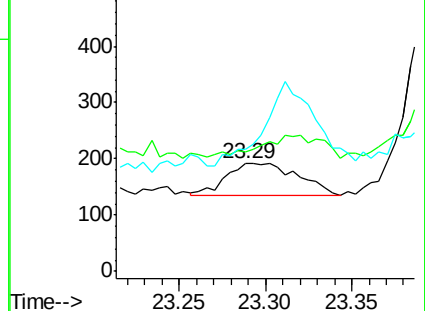
125 114.1 9.8 14.6#



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



#36

Dibenzo(a,h)anthracene

Concen: 0.29 ng

RT: 25.80 min Scan# 3832

Delta R.T. -0.01 min

Lab File: BE090409.D

Acq: 10 Aug 2015 19:37

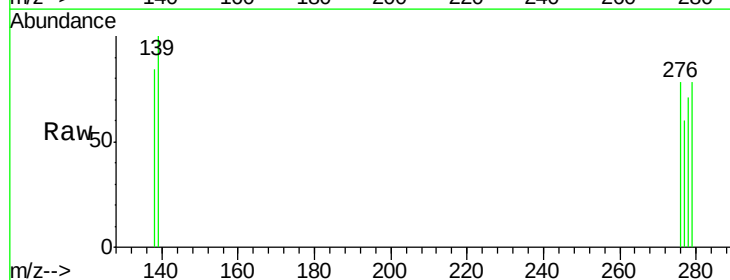
Tgt Ion: 278 Resp: 79

Ion Ratio Lower Upper

278 100

139 141.8 14.2 21.4#

279 111.0 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

