

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE081115\
 Data File : BE090452.D
 Acq On : 12 Aug 2015 5:47
 Operator : UM/IZ
 Sample : G3136-04
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 080715-D534-F-U-B

Quant Time: Aug 12 06:48:34 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	20141	5.00	ng	0.00
6) Naphthalene-d8	10.34	136	92300	5.00	ng	0.00
12) Acenaphthene-d10	14.20	164	51797	5.00	ng	0.00
18) Phenanthrene-d10	16.94	188	121292	5.00	ng	0.00
25) Chrysene-d12	21.09	240	144397	5.00	ng	0.00
32) Perylene-d12	23.40	264	128343	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.22	112	11398	3.77	ng	0.00
5) Phenol-d6	6.77	99	11114	1.89	ng	0.00
7) Nitrobenzene-d5	8.73	82	18764	2.60	ng	0.00
13) 2,4,6-Tribromophenol	15.69	330	14464	8.74	ng	-0.02
14) 2-Fluorobiphenyl	12.82	172	49689	3.49	ng	0.00
27) Terphenyl-d14	19.56	244	119120	5.60	ng	0.00

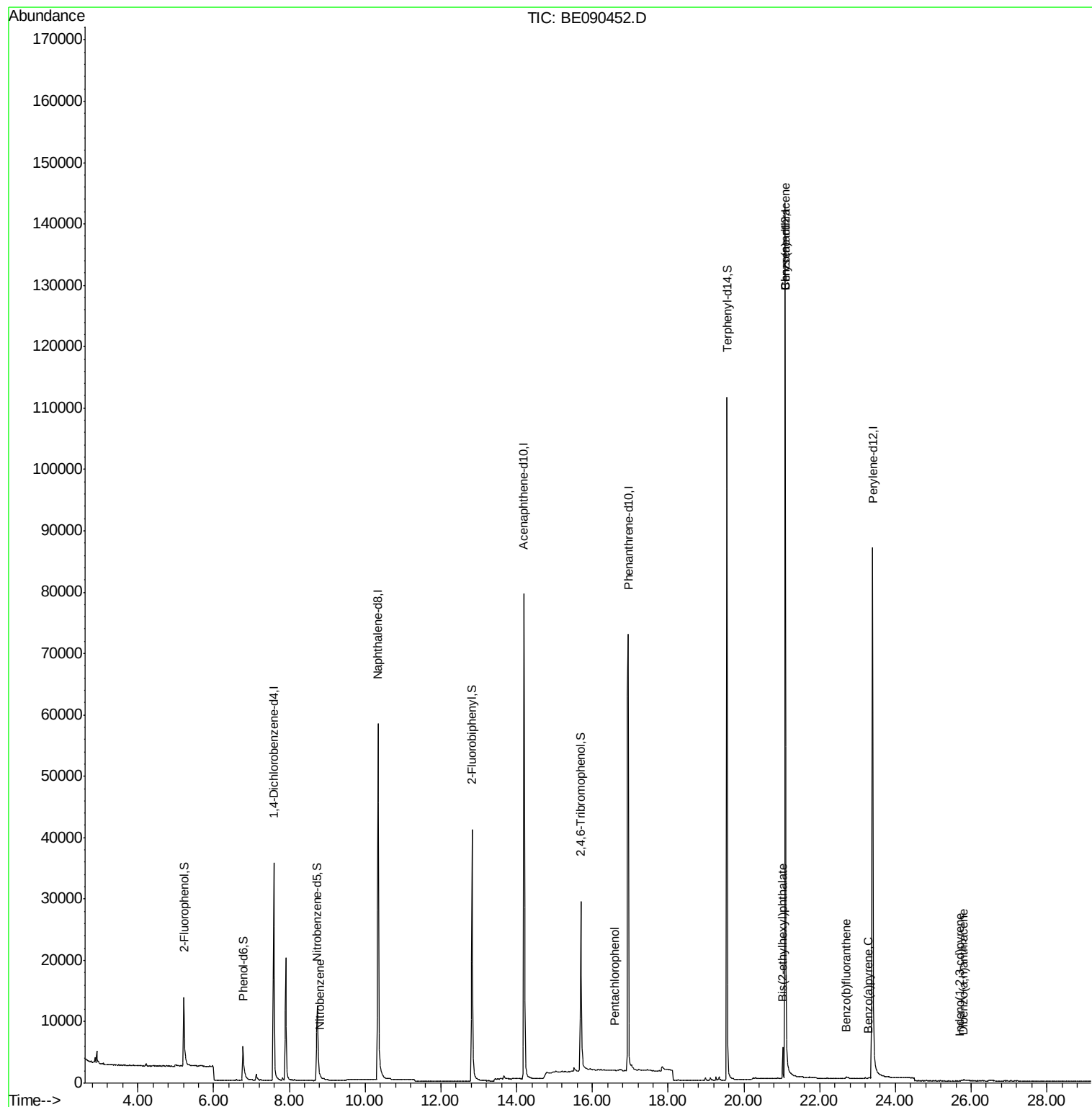
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.30	88	57	Below Cal	#	8
8) Nitrobenzene	8.81	77	11	0.21 ng	#	48
10) Hexachlorobutadiene	10.68	225	2	Below Cal	#	1
21) Pentachlorophenol	16.60	266	14	0.11 ng	#	68
28) Benzo(a)anthracene	21.09	228	654	0.02 ng	#	77
30) Bis(2-ethylhexyl)phthalate	21.03	149	4594	0.68 ng		100
31) Indeno(1,2,3-cd)pyrene	25.70	276	9	0.25 ng	#	43
33) Benzo(b)fluoranthene	22.70	252	263	0.20 ng	#	1
35) Benzo(a)pyrene	23.29	252	86	0.23 ng	#	1
36) Dibenzo(a,h)anthracene	25.80	278	100	0.29 ng	#	1

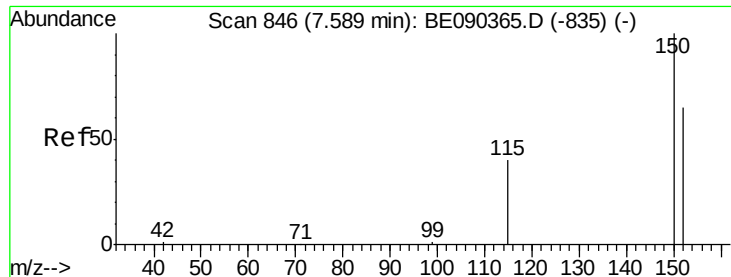
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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080715-D534-F-U-B

Quant Time: Aug 12 06:48:34 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: BE090452.D

Acq: 12 Aug 2015 5:47

Instrument :

BNA_E

ClientSampleId :

080715-D534-F-U-B

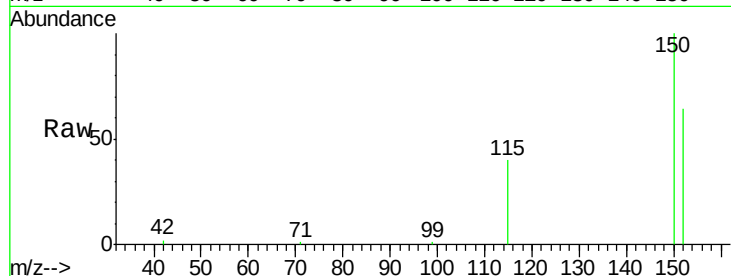
Tgt Ion:152 Resp: 20141

Ion Ratio Lower Upper

152 100

150 155.4 123.0 184.4

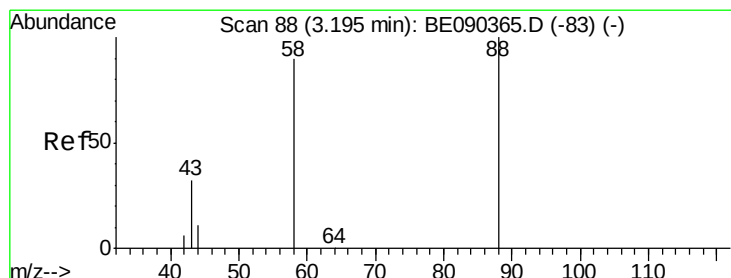
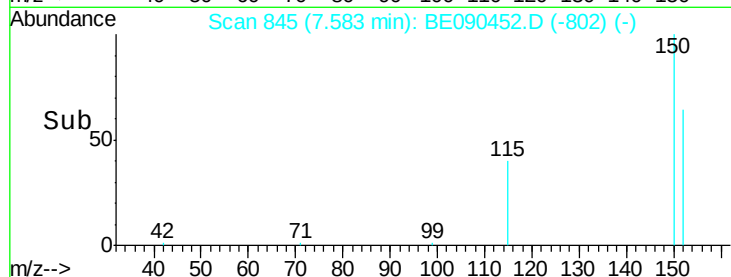
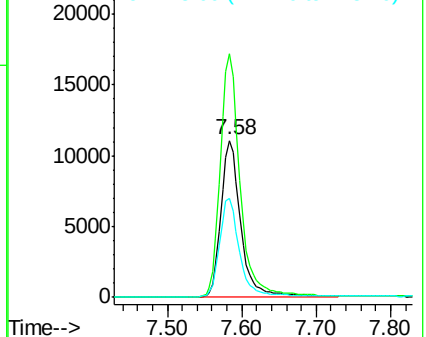
115 62.9 48.9 73.3



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: 3.30 min Scan# 103

Delta R.T. 0.10 min

Lab File: BE090452.D

Acq: 12 Aug 2015 5:47

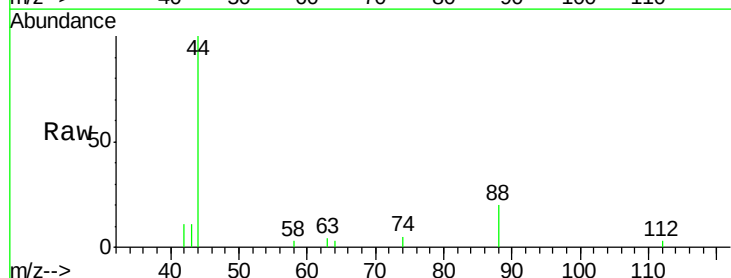
Tgt Ion: 88 Resp: 57

Ion Ratio Lower Upper

88 100

58 0.0 70.0 105.0#

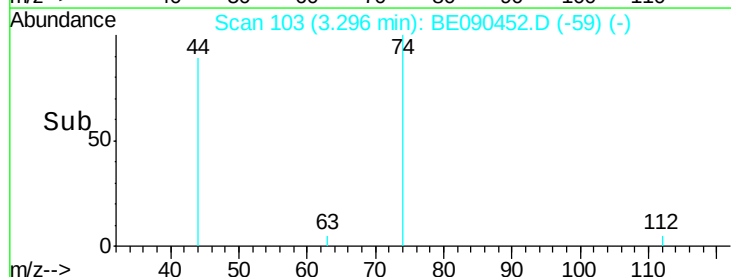
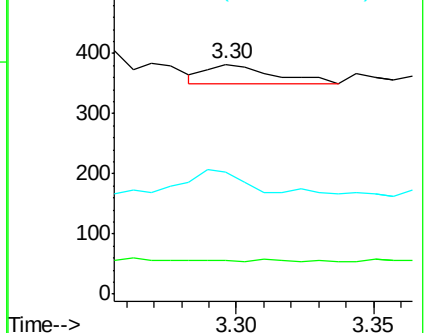
43 86.0 28.4 42.6#

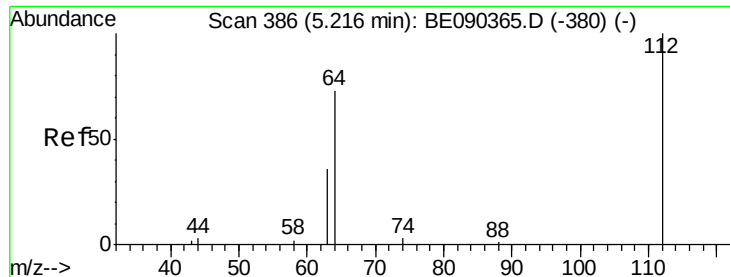


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#4

2-Fluorophenol

Concen: 3.77 ng

RT: 5.22 min Scan# 386

Delta R.T. -0.00 min

Lab File: BE090452.D

Acq: 12 Aug 2015 5:47

Instrument :

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ClientSampleId :

080715-D534-F-U-B

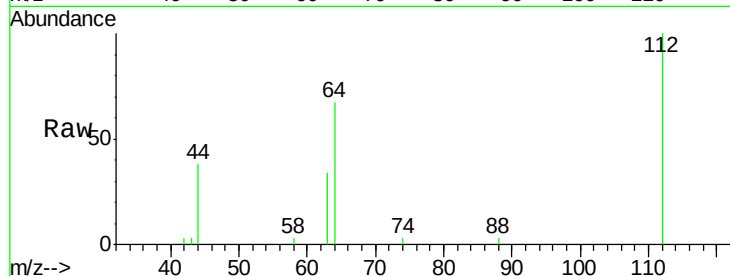
Tgt Ion: 112 Resp: 11398

Ion Ratio Lower Upper

112 100

64 70.5 37.1 55.7#

63 36.1 19.5 29.3#

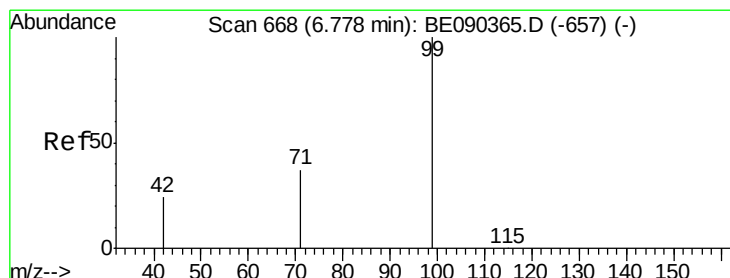
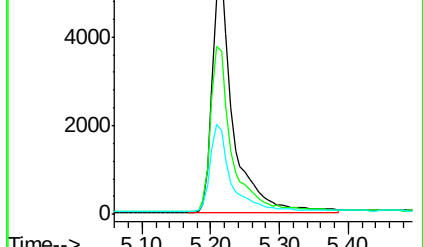
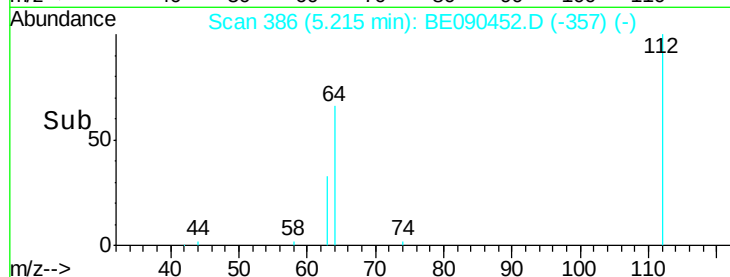


Abundance Ion 112.00 (111.70 to 112.70): BE090452.D (-357) (-)

Ion 64.00 (63.70 to 64.70): BE090452.D (-357) (-)

Ion 63.00 (62.70 to 63.70): BE090452.D (-357) (-)

Time-->



#5

Phenol-d6

Concen: 1.89 ng

RT: 6.77 min Scan# 667

Delta R.T. -0.01 min

Lab File: BE090452.D

Acq: 12 Aug 2015 5:47

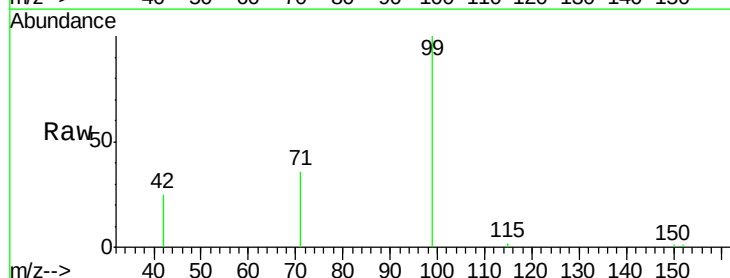
Tgt Ion: 99 Resp: 11114

Ion Ratio Lower Upper

99 100

42 21.0 18.2 27.4

71 35.1 27.4 41.0

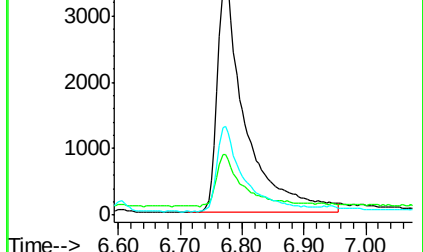
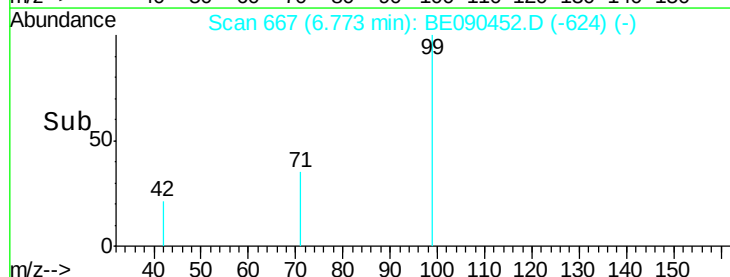


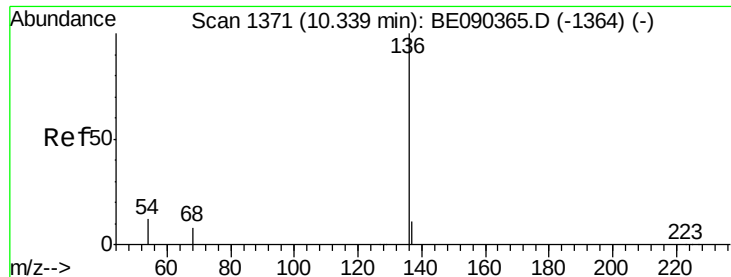
Abundance Ion 99.00 (98.70 to 99.70): BE090452.D (-624) (-)

Ion 42.00 (41.70 to 42.70): BE090452.D (-624) (-)

Ion 71.00 (70.70 to 71.70): BE090452.D (-624) (-)

Time-->





#6

Naphthalene-d8

Concen: 5.00 ng

RT: 10.34 min Scan# 1371

Delta R.T. 0.00 min

Lab File: BE090452.D

Acq: 12 Aug 2015 5:47

Instrument :

BNA_E

ClientSampleId :

080715-D534-F-U-B

Tgt Ion: 136 Resp: 92300

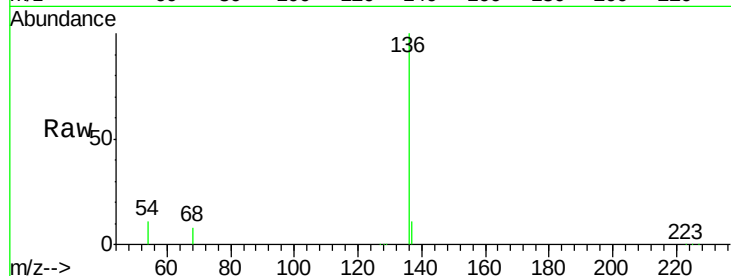
Ion Ratio Lower Upper

136 100

137 10.8 8.7 13.1

54 10.7 9.4 14.0

68 7.8 6.5 9.7

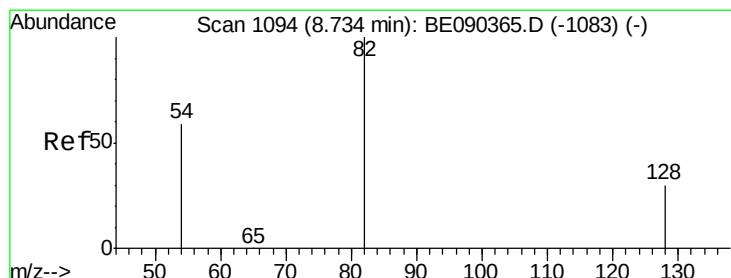
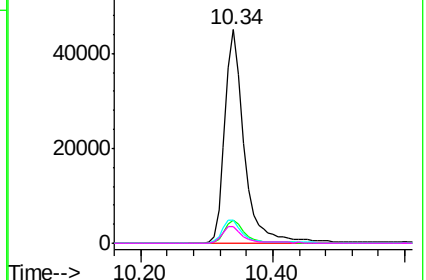
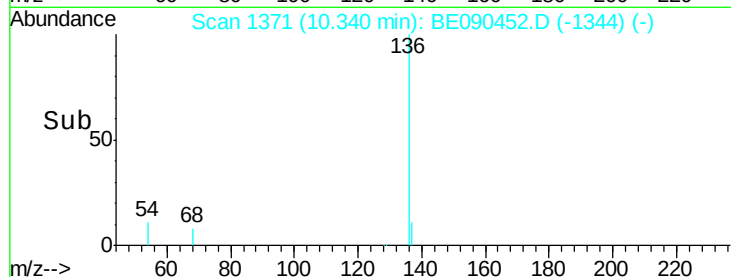


Abundance Ion 136.00 (135.70 to 136.70): E

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: 2.60 ng

RT: 8.73 min Scan# 1094

Delta R.T. -0.00 min

Lab File: BE090452.D

Acq: 12 Aug 2015 5:47

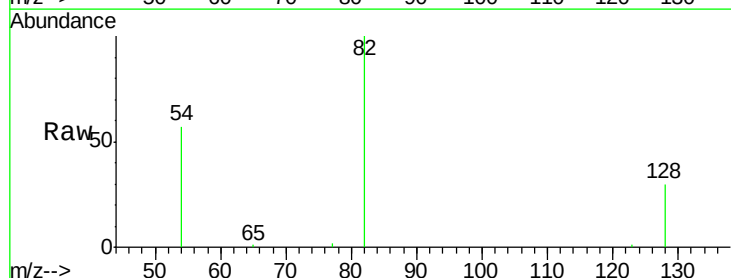
Tgt Ion: 82 Resp: 18764

Ion Ratio Lower Upper

82 100

128 29.7 25.0 37.6

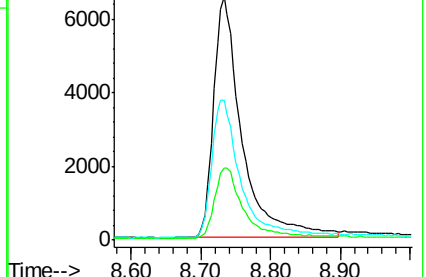
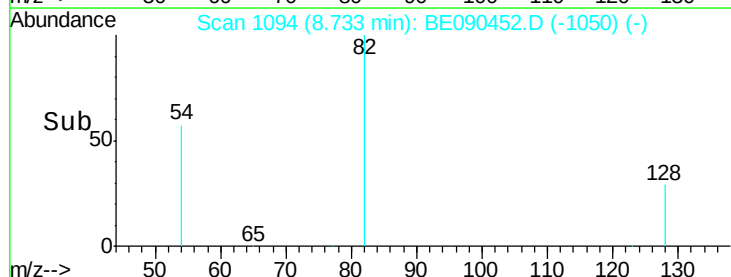
54 57.2 48.8 73.2

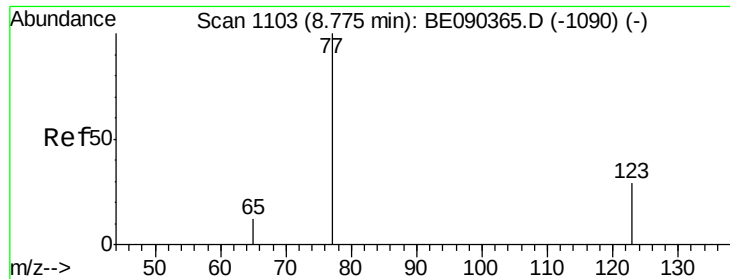


Abundance Ion 82.00 (81.70 to 82.70): BE0

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: 8.81 min Scan# 1111

Delta R.T. 0.04 min

Lab File: BE090452.D

Acq: 12 Aug 2015 5:47

Instrument :

BNA_E

ClientSampleId :

080715-D534-F-U-B

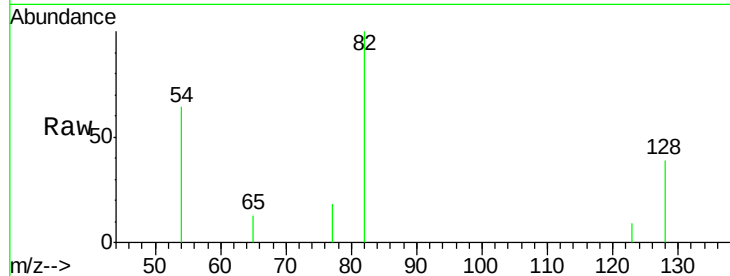
Tgt Ion: 77 Resp: 11

Ion Ratio Lower Upper

77 100

123 0.0 25.1 37.7#

65 27.3 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

8.81

100

80

60

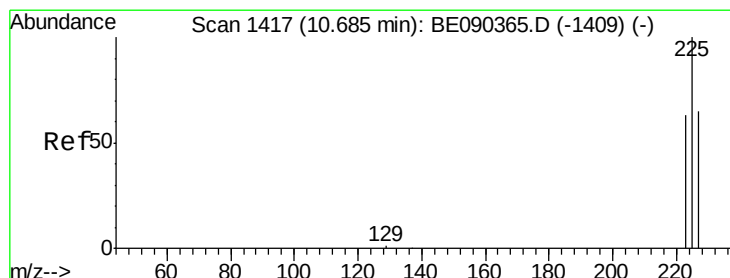
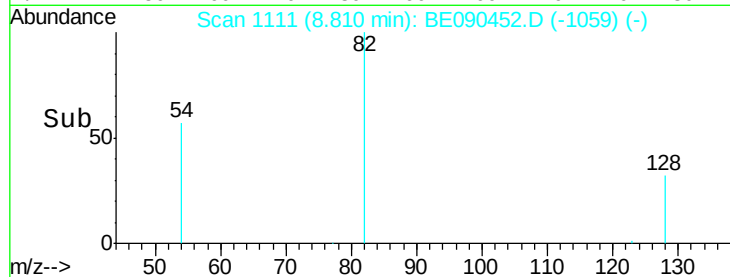
40

20

0

8.80 8.82 8.84

Time-->



#10

Hexachlorobutadiene

Concen: Below Cal

RT: 10.68 min Scan# 1416

Delta R.T. -0.01 min

Lab File: BE090452.D

Acq: 12 Aug 2015 5:47

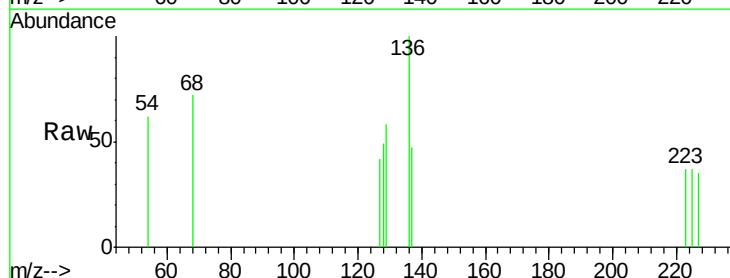
Tgt Ion: 225 Resp: 2

Ion Ratio Lower Upper

225 100

223 0.0 50.6 75.8#

227 300.0 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

10.68

60

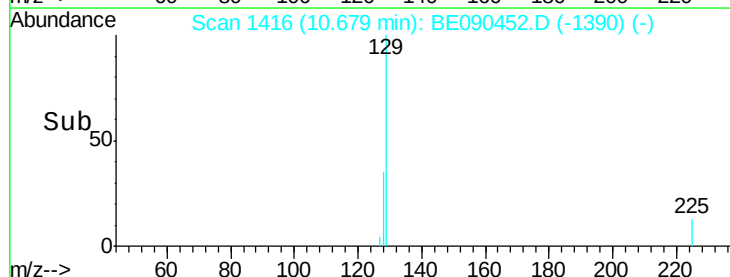
40

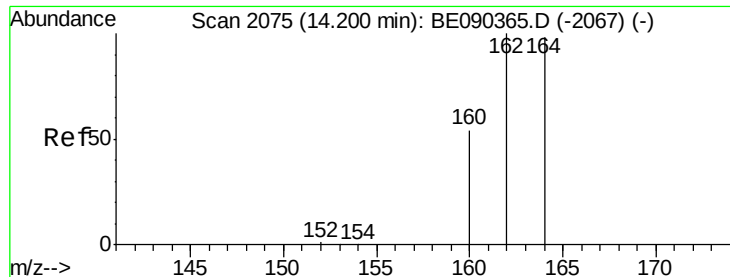
20

0

10.66 10.68

Time-->





#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.20 min Scan# 2075

Delta R.T. -0.00 min

Lab File: BE090452.D

Acq: 12 Aug 2015 5:47

Instrument :

BNA_E

ClientSampleId :

080715-D534-F-U-B

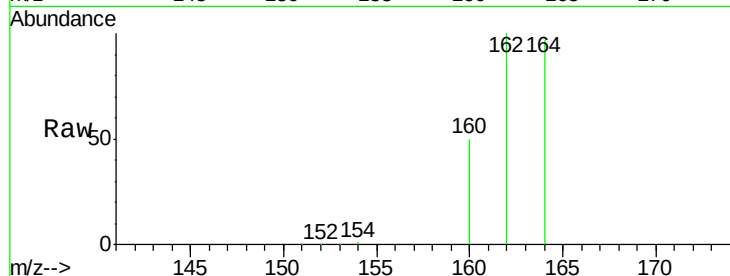
Tgt Ion:164 Resp: 51797

Ion Ratio Lower Upper

164 100

162 103.3 81.8 122.8

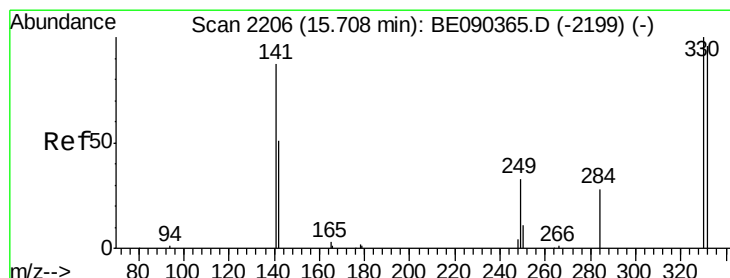
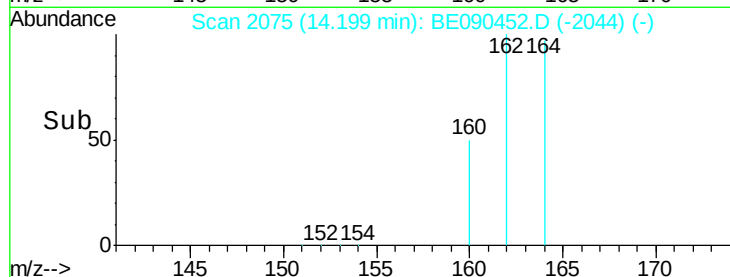
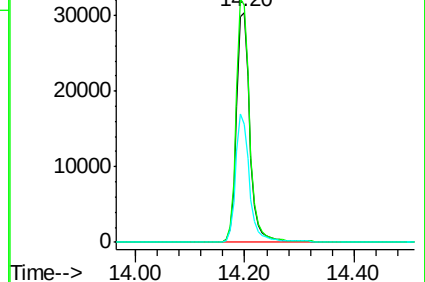
160 51.4 44.2 66.4



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: 8.74 ng

RT: 15.69 min Scan# 2206

Delta R.T. -0.02 min

Lab File: BE090452.D

Acq: 12 Aug 2015 5:47

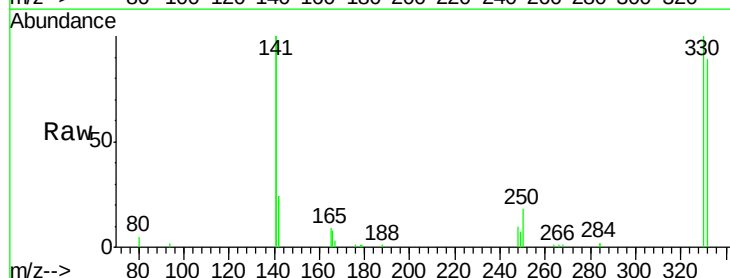
Tgt Ion:330 Resp: 14464

Ion Ratio Lower Upper

330 100

332 96.8 75.8 113.6

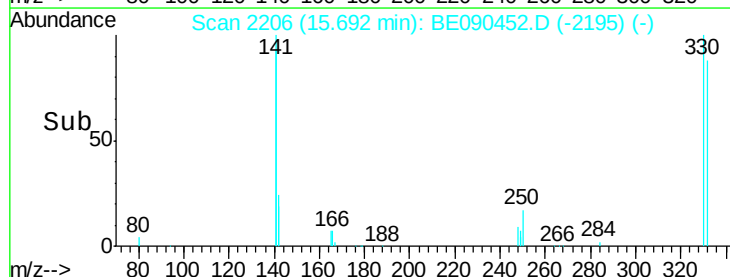
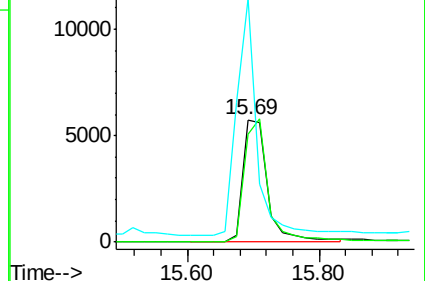
141 159.8 114.4 171.6

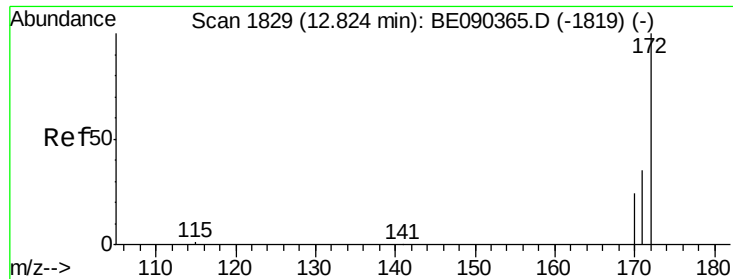


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

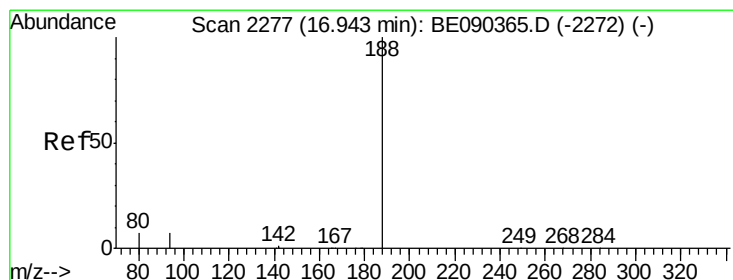
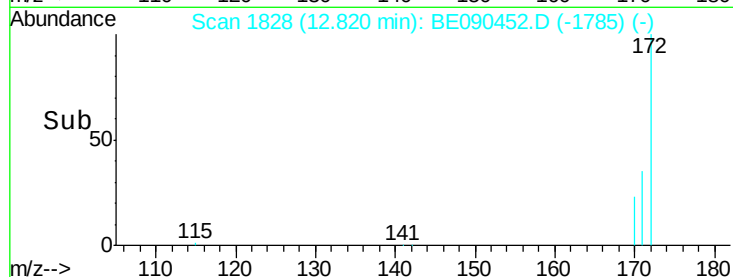
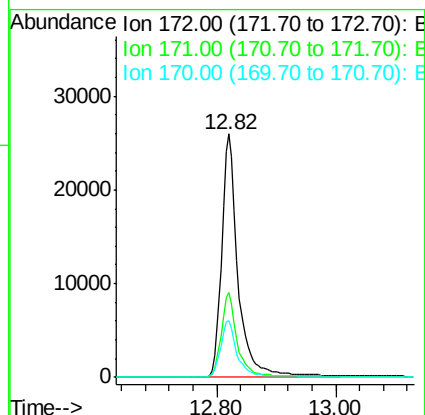
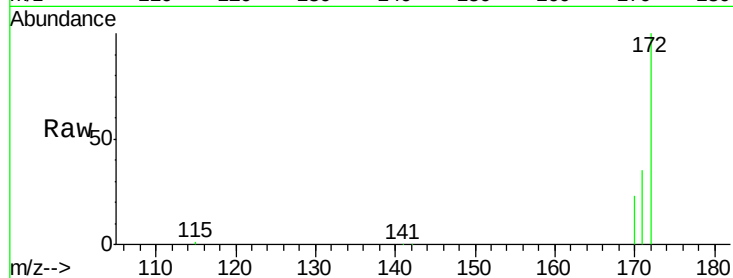




#14
2-Fluorobiphenyl
Concen: 3.49 ng
RT: 12.82 min Scan# 1828
Delta R.T. -0.00 min
Lab File: BE090452.D
Acq: 12 Aug 2015 5:47

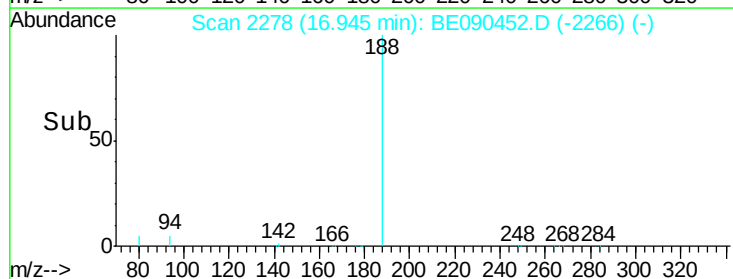
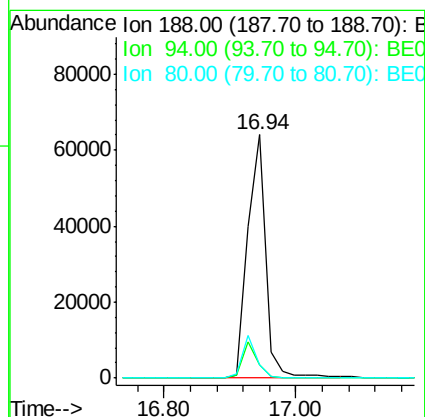
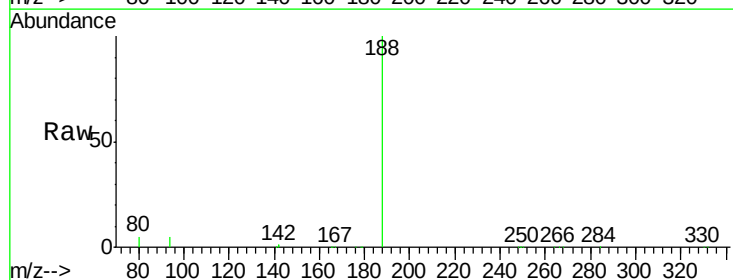
Instrument :
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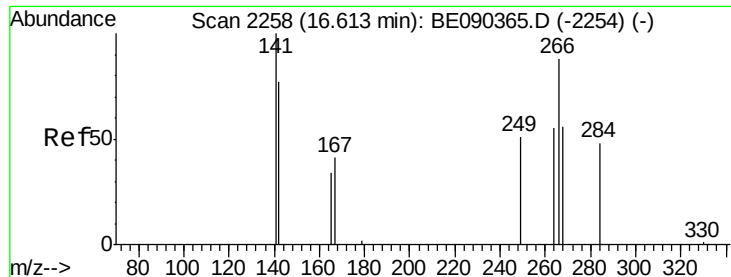
Tgt Ion:172 Resp: 49689
Ion Ratio Lower Upper
172 100
171 34.6 28.5 42.7
170 23.1 19.8 29.8



#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.94 min Scan# 2278
Delta R.T. 0.00 min
Lab File: BE090452.D
Acq: 12 Aug 2015 5:47

Tgt Ion:188 Resp: 121292
Ion Ratio Lower Upper
188 100
94 5.2 5.7 8.5#
80 5.3 5.8 8.8#





#21

Pentachlorophenol

Concen: 0.11 ng

RT: 16.60 min Scan# 2258

Delta R.T. -0.02 min

Lab File: BE090452.D

Acq: 12 Aug 2015 5:47

Instrument :

BNA_E

ClientSampleId :

080715-D534-F-U-B

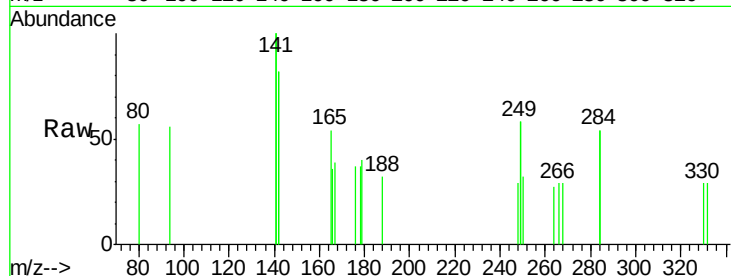
Tgt Ion:266 Resp: 14

Ion Ratio Lower Upper

266 100

268 102.0 58.5 87.7#

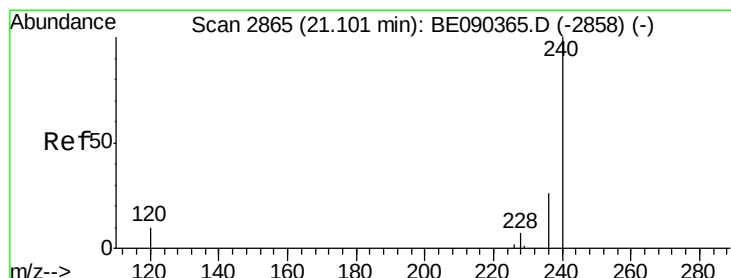
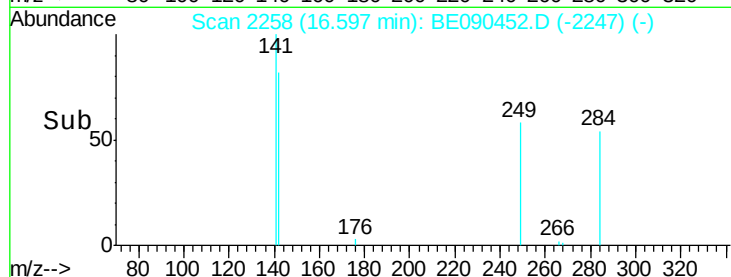
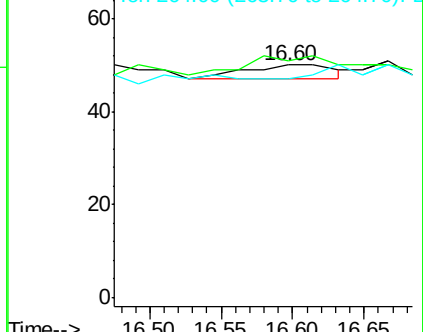
264 94.0 56.0 84.0#



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: BE090452.D

Acq: 12 Aug 2015 5:47

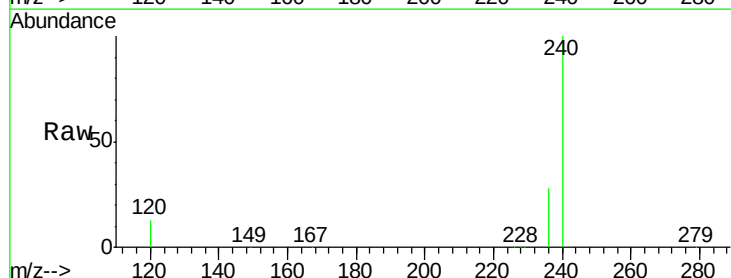
Tgt Ion:240 Resp: 144397

Ion Ratio Lower Upper

240 100

120 13.1 8.3 12.5#

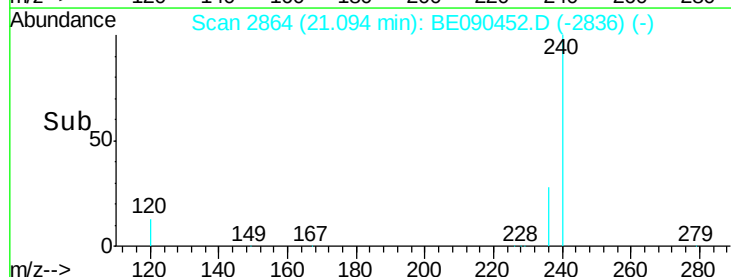
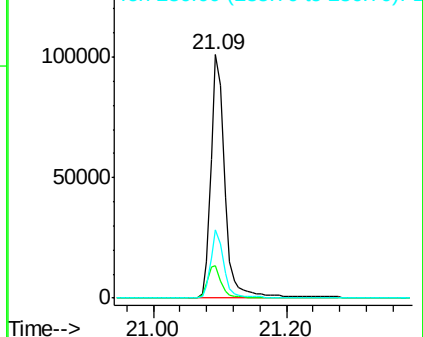
236 27.8 21.0 31.4

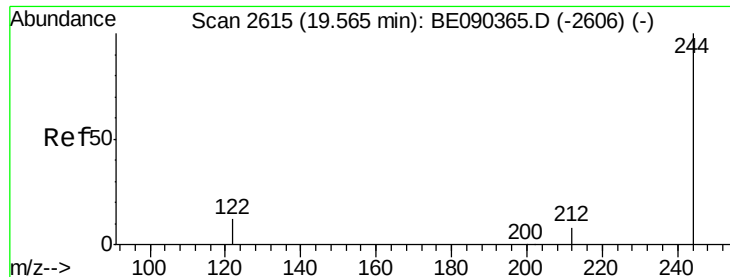


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

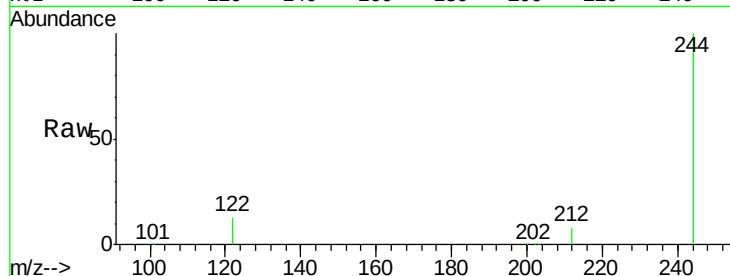




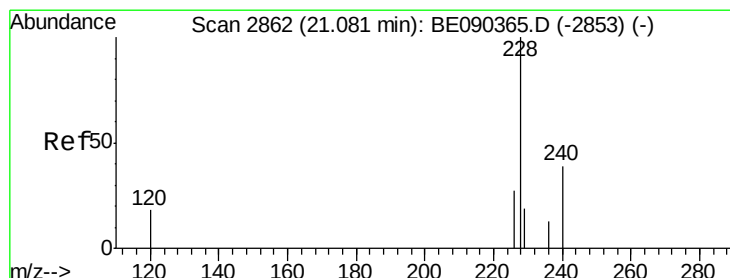
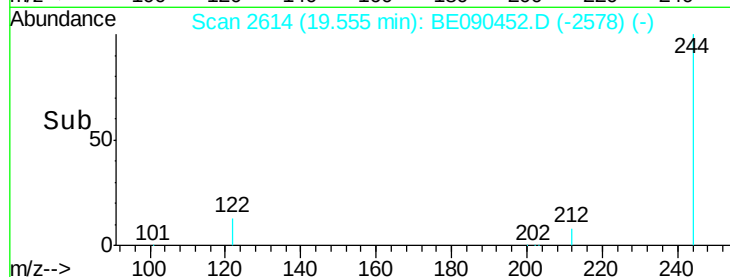
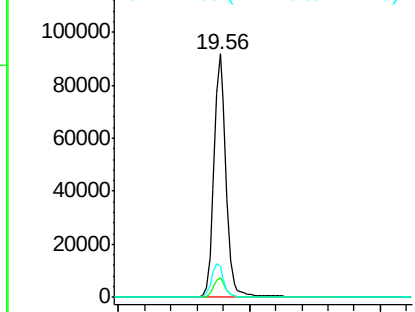
#27
 Terphenyl-d14
 Concen: 5.60 ng
 RT: 19.56 min Scan# 2614
 Delta R.T. -0.01 min
 Lab File: BE090452.D
 Acq: 12 Aug 2015 5:47

Instrument :
 BNA_E
 ClientSampleId :
 080715-D534-F-U-B

Tgt Ion:244 Resp: 119120
 Ion Ratio Lower Upper
 244 100
 212 8.1 6.6 9.8
 122 12.7 10.2 15.4

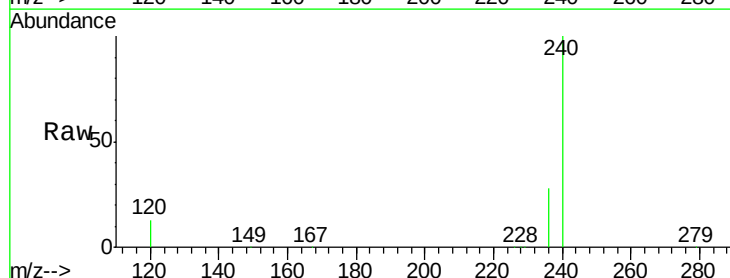


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

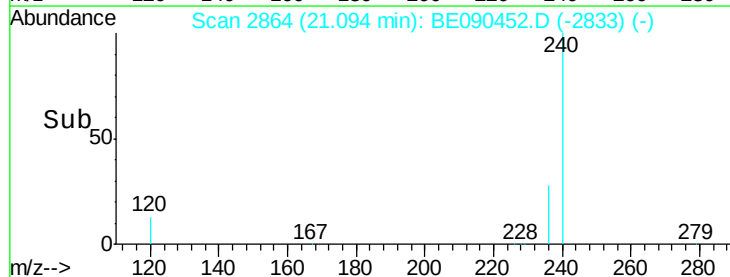
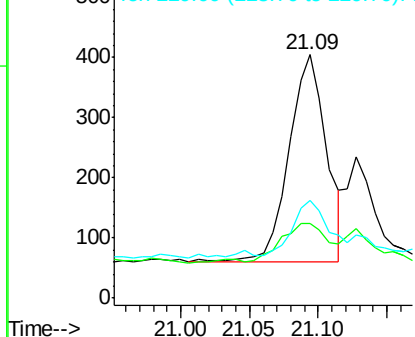


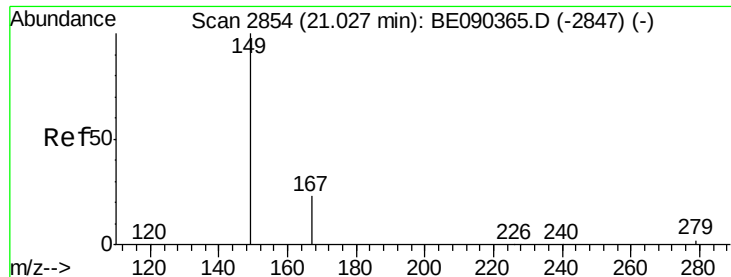
#28
 Benzo(a)anthracene
 Concen: 0.02 ng
 RT: 21.09 min Scan# 2864
 Delta R.T. 0.01 min
 Lab File: BE090452.D
 Acq: 12 Aug 2015 5:47

Tgt Ion:228 Resp: 654
 Ion Ratio Lower Upper
 228 100
 226 30.9 21.9 32.9
 229 40.0 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: 0.68 ng

RT: 21.03 min Scan# 2854

Delta R.T. 0.00 min

Lab File: BE090452.D

Acq: 12 Aug 2015 5:47

Instrument :

BNA_E

ClientSampleId :

080715-D534-F-U-B

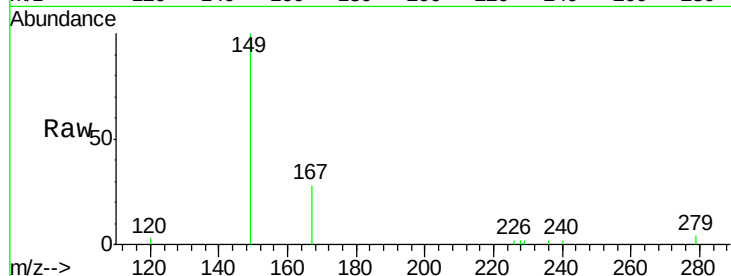
Tgt Ion:149 Resp: 4594

Ion Ratio Lower Upper

149 100

167 24.6 19.8 29.8

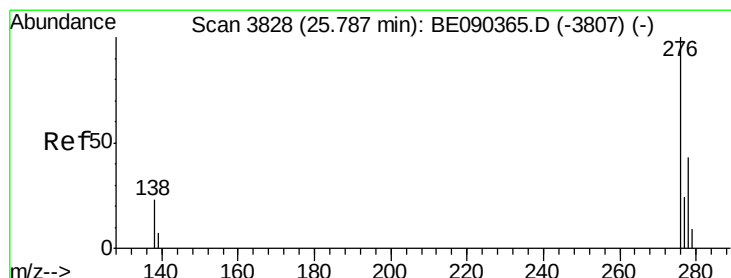
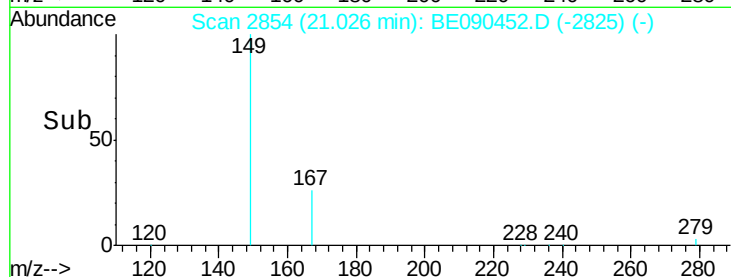
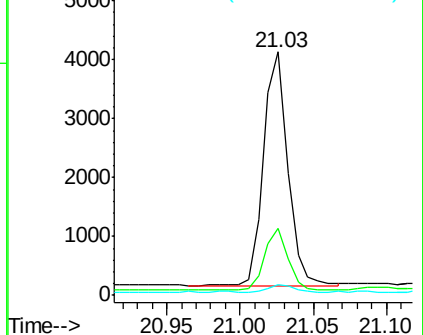
279 2.9 2.4 3.6



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: 0.25 ng

RT: 25.70 min Scan# 3809

Delta R.T. -0.09 min

Lab File: BE090452.D

Acq: 12 Aug 2015 5:47

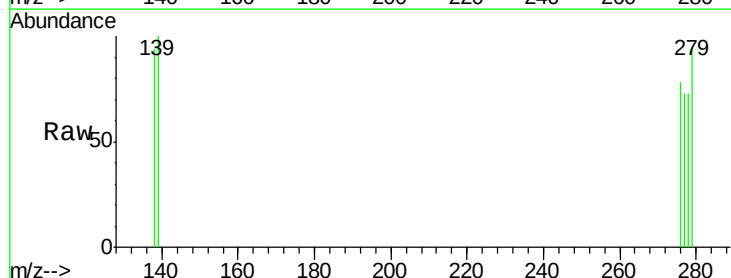
Tgt Ion:276 Resp: 9

Ion Ratio Lower Upper

276 100

138 77.8 18.8 28.2#

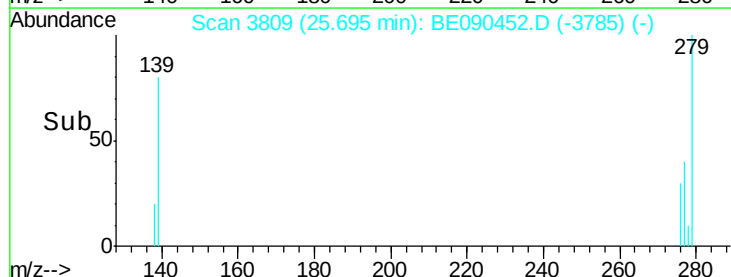
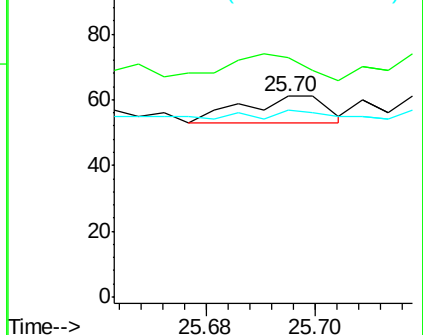
277 22.2 18.2 27.4

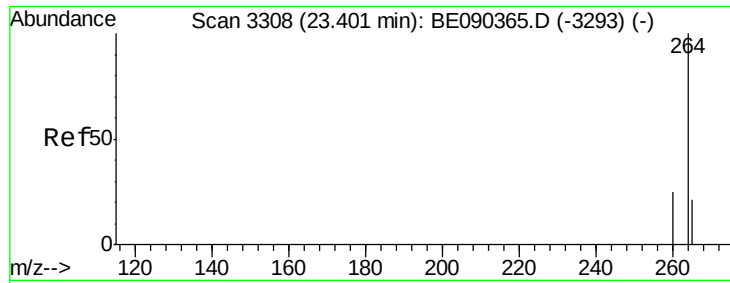


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

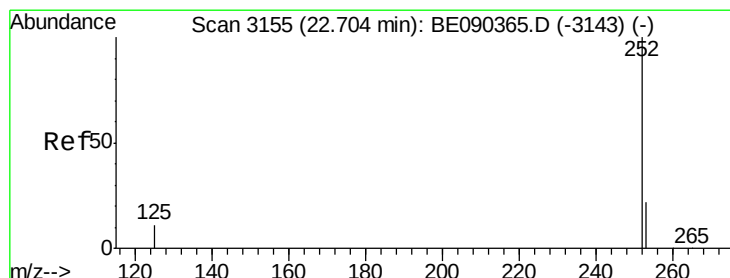
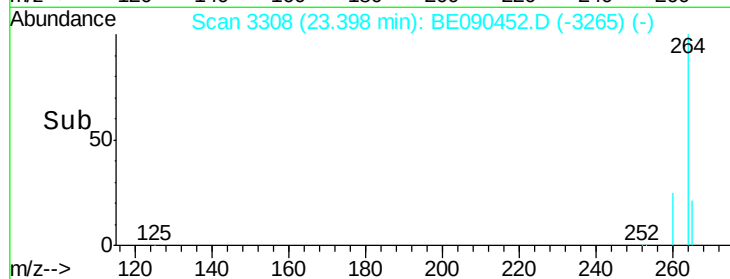
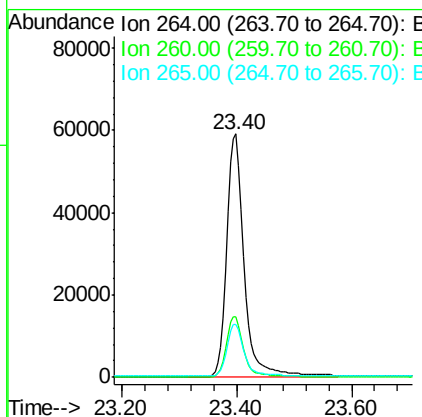
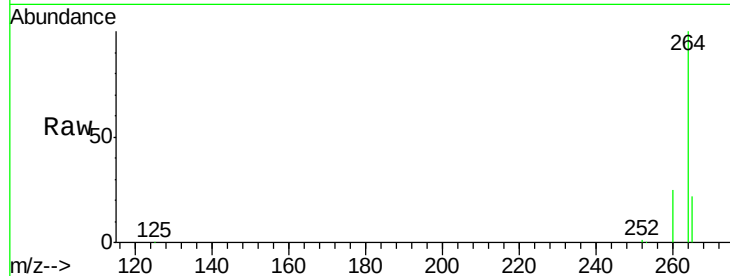




#32
Perylene-d12
 Concen: 5.00 ng
 RT: 23.40 min Scan# 3308
 Delta R.T. -0.00 min
 Lab File: BE090452.D
 Acq: 12 Aug 2015 5:47

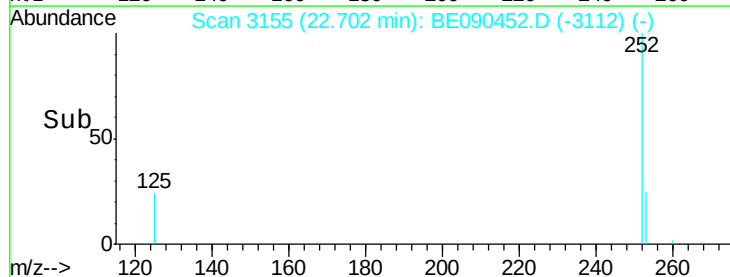
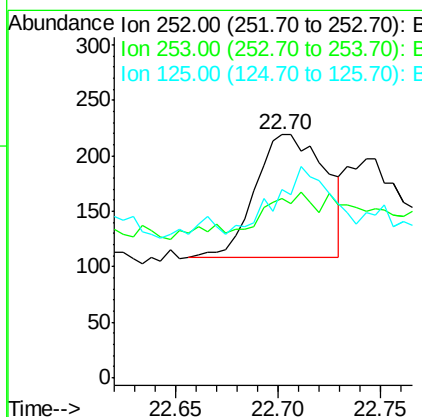
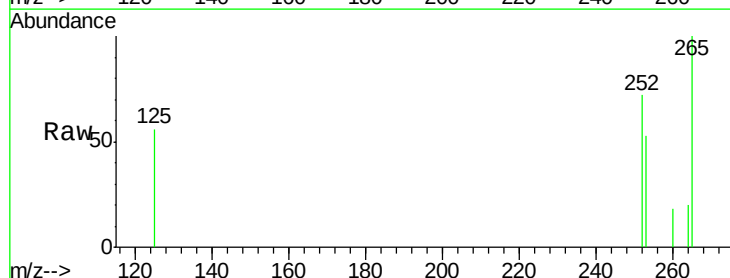
Instrument :
 BNA_E
 ClientSampleId :
 080715-D534-F-U-B

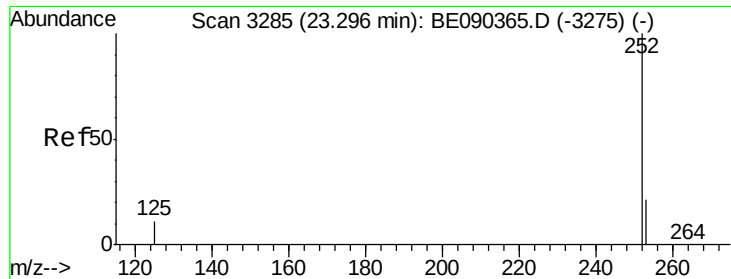
Tgt Ion: 264 Resp: 128343
 Ion Ratio Lower Upper
 264 100
 260 24.7 20.1 30.1
 265 21.7 17.2 25.8



#33
Benzo(b)fluoranthene
 Concen: 0.20 ng
 RT: 22.70 min Scan# 3155
 Delta R.T. -0.00 min
 Lab File: BE090452.D
 Acq: 12 Aug 2015 5:47

Tgt Ion: 252 Resp: 263
 Ion Ratio Lower Upper
 252 100
 253 74.0 18.1 27.1#
 125 77.6 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: BE090452.D

Acq: 12 Aug 2015 5:47

Instrument :

BNA_E

ClientSampleId :

080715-D534-F-U-B

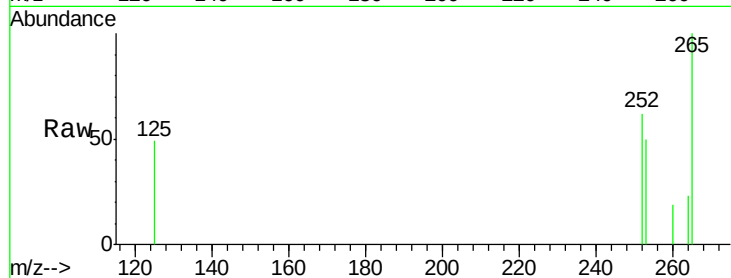
Tgt Ion: 252 Resp: 86

Ion Ratio Lower Upper

252 100

253 79.9 17.6 26.4#

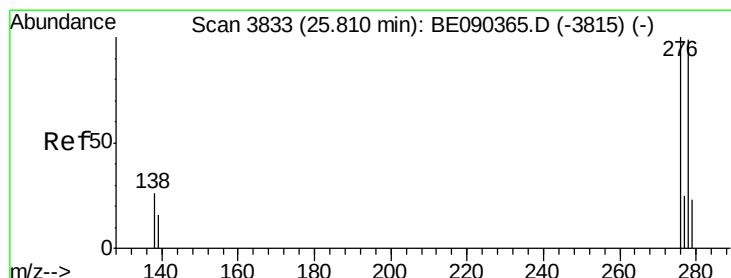
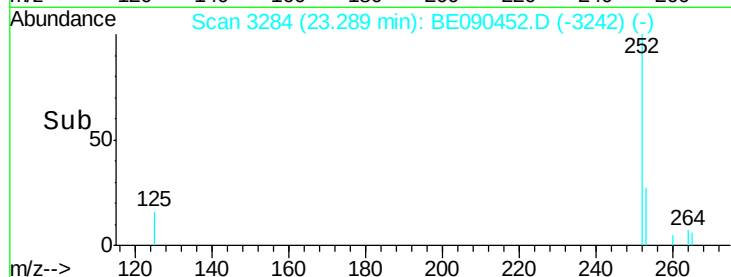
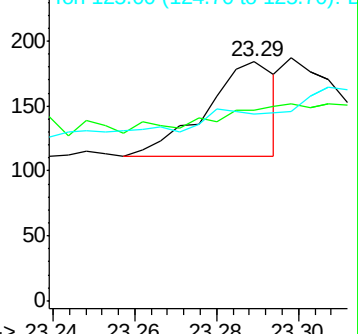
125 78.3 9.8 14.6#



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: BE090452.D

Acq: 12 Aug 2015 5:47

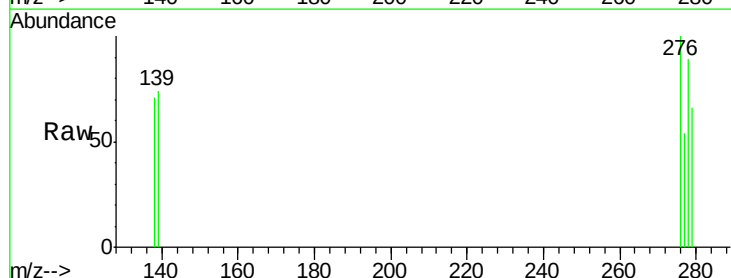
Tgt Ion: 278 Resp: 100

Ion Ratio Lower Upper

278 100

139 83.2 14.2 21.4#

279 73.8 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

