

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE080515\
 Data File : BE090374.D
 Acq On : 6 Aug 2015 00:06
 Operator : TP/UM
 Sample : G3180-05
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 080315-D506-F-U-B

Quant Time: Aug 06 02:35:21 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 02:22:05 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	20417	5.00	ng	0.00
6) Naphthalene-d8	10.34	136	89521	5.00	ng	0.00
12) Acenaphthene-d10	14.20	164	51254	5.00	ng	0.00
18) Phenanthrene-d10	16.94	188	118915	5.00	ng	0.00
25) Chrysene-d12	21.10	240	145556	5.00	ng	0.00
32) Perylene-d12	23.40	264	135171	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.22	112	10728	2.96	ng	0.00
5) Phenol-d6	6.77	99	9012	1.56	ng	0.00
7) Nitrobenzene-d5	8.73	82	26546	3.70	ng	0.00
13) 2,4,6-Tribromophenol	15.71	330	11879	7.71	ng	0.00
14) 2-Fluorobiphenyl	12.82	172	68948	4.89	ng	0.00
27) Terphenyl-d14	19.56	244	128771	6.00	ng	0.00

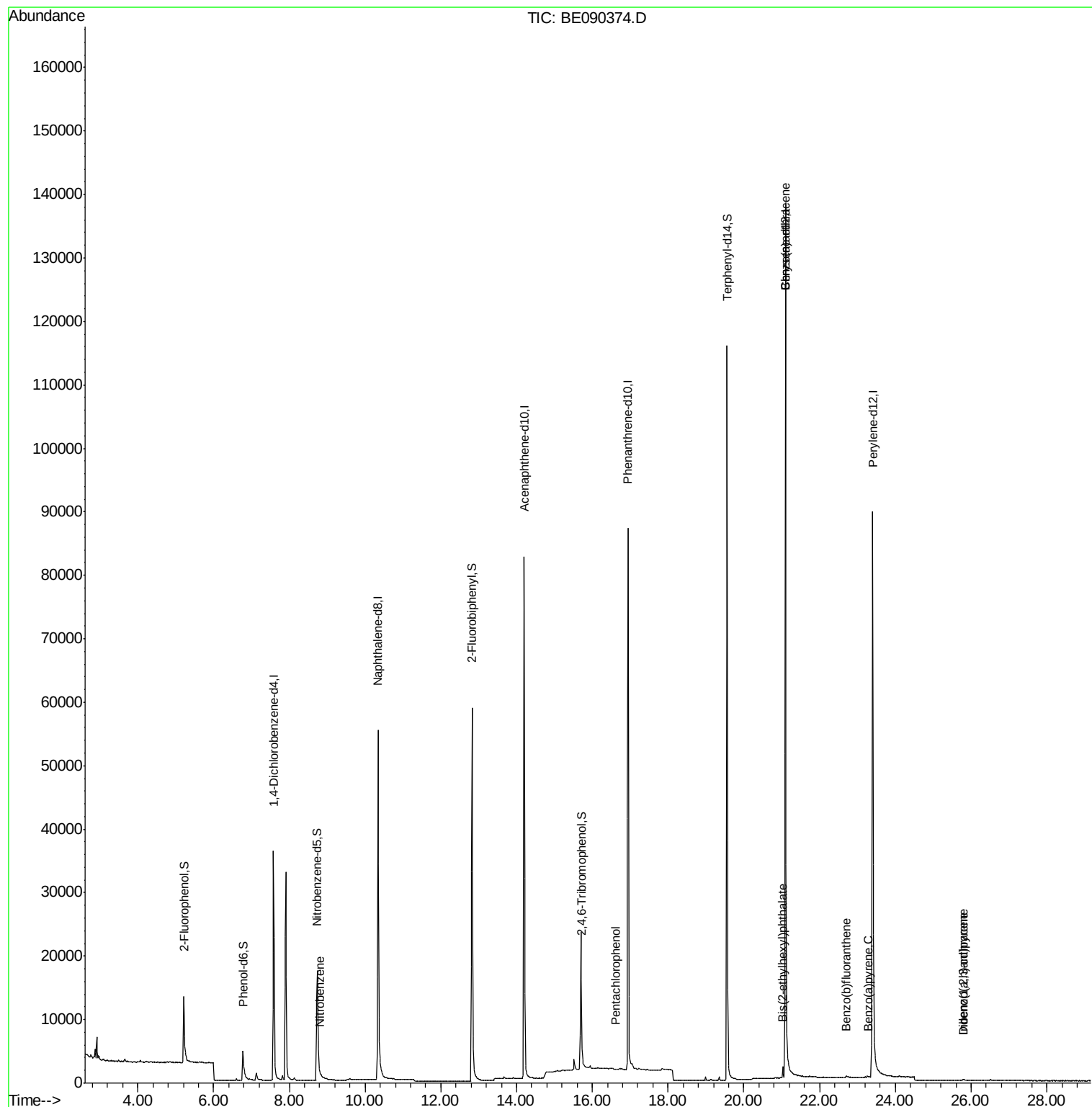
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.36	88	15	Below Cal	#	31
8) Nitrobenzene	8.81	77	10	0.21 ng	#	1
10) Hexachlorobutadiene	10.70	225	1	Below Cal	#	1
21) Pentachlorophenol	16.61	266	22	0.10 ng	#	69
28) Benzo(a)anthracene	21.09	228	729	0.02 ng	#	70
30) Bis(2-ethylhexyl)phthalate	21.03	149	1727	0.33 ng		100
31) Indeno(1,2,3-cd)pyrene	25.79	276	394	0.26 ng	#	76
33) Benzo(b)fluoranthene	22.71	252	481	0.21 ng	#	1
35) Benzo(a)pyrene	23.30	252	298	0.24 ng	#	1
36) Dibenzo(a,h)anthracene	25.81	278	293	0.30 ng	#	3

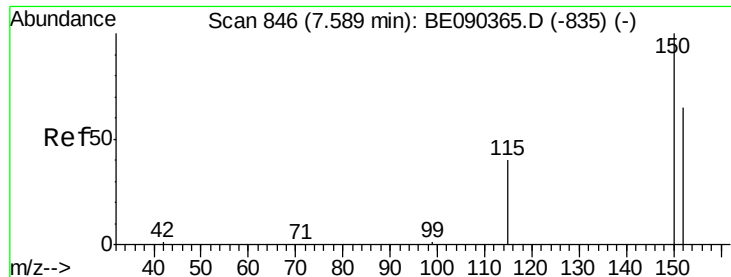
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.59 min Scan# 846

Delta R.T. -0.00 min

Lab File: BE090374.D

Acq: 6 Aug 2015 00:06

Instrument :

BNA_E

ClientSampleId :

080315-D506-F-U-B

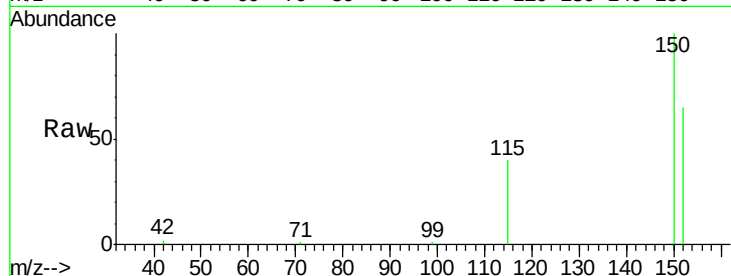
Tgt Ion:152 Resp: 20417

Ion Ratio Lower Upper

152 100

150 155.0 123.0 184.4

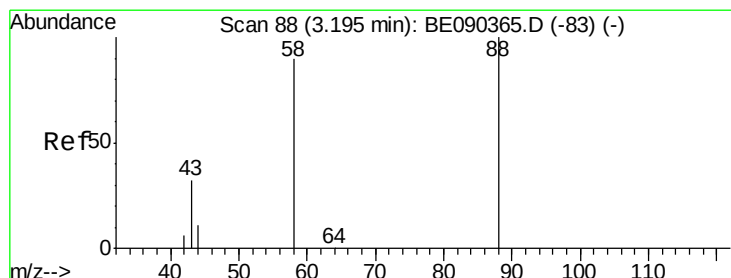
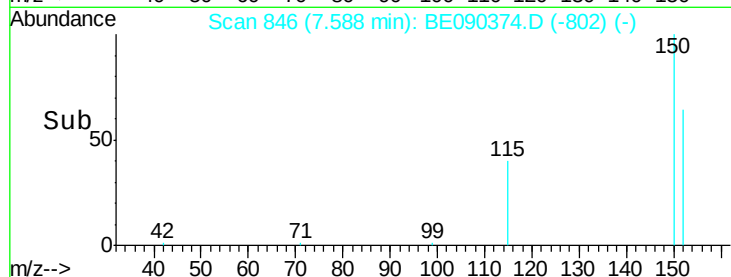
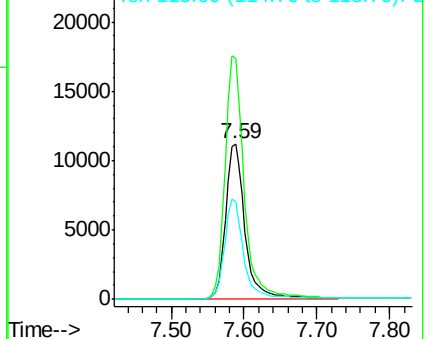
115 62.5 48.9 73.3



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: Below Cal

RT: 3.36 min Scan# 112

Delta R.T. 0.16 min

Lab File: BE090374.D

Acq: 6 Aug 2015 00:06

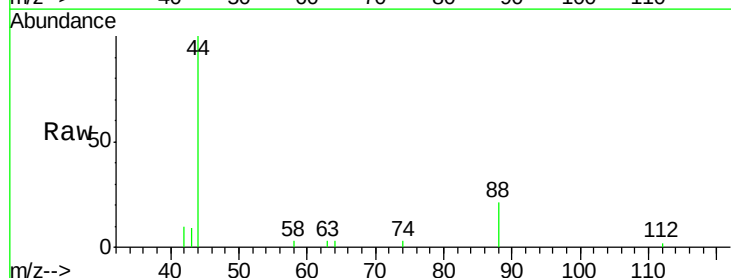
Tgt Ion: 88 Resp: 15

Ion Ratio Lower Upper

88 100

58 20.0 70.0 105.0#

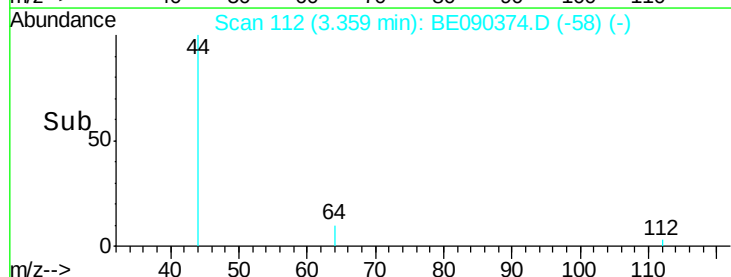
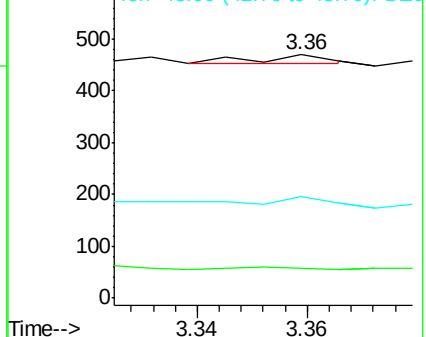
43 0.0 28.4 42.6#

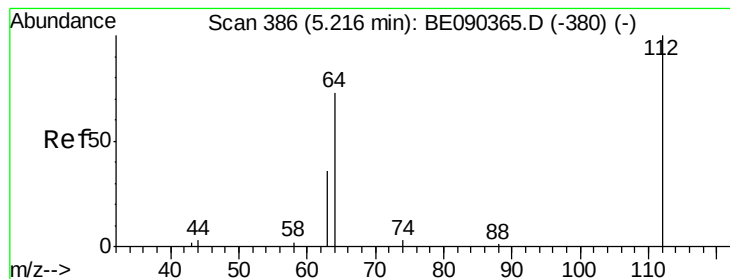


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0

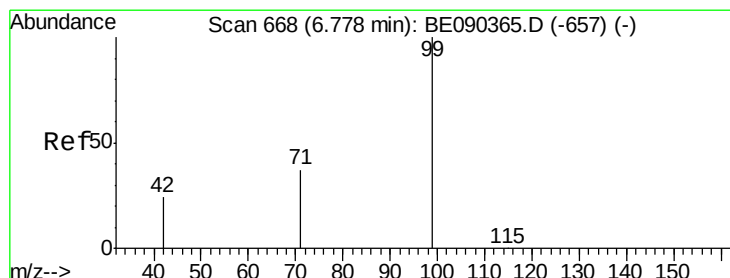
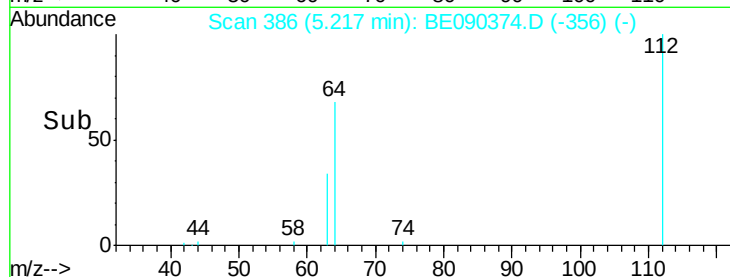
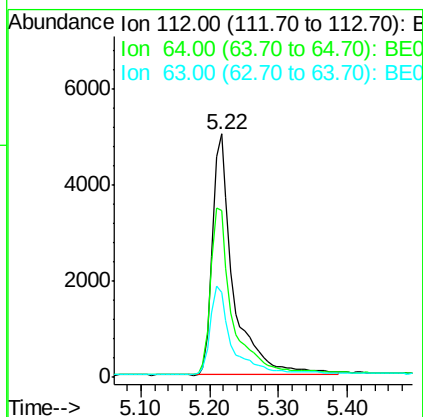
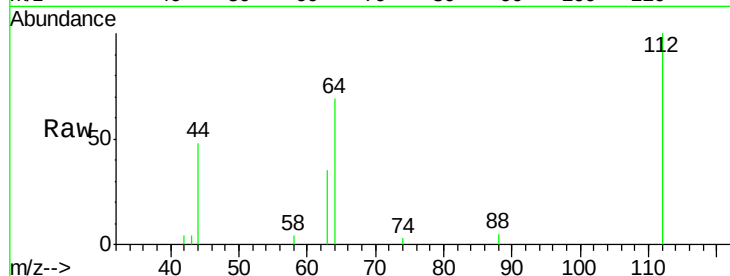




#4
 2-Fluorophenol
 Concen: 2.96 ng
 RT: 5.22 min Scan# 386
 Delta R.T. 0.00 min
 Lab File: BE090374.D
 Acq: 6 Aug 2015 00:06

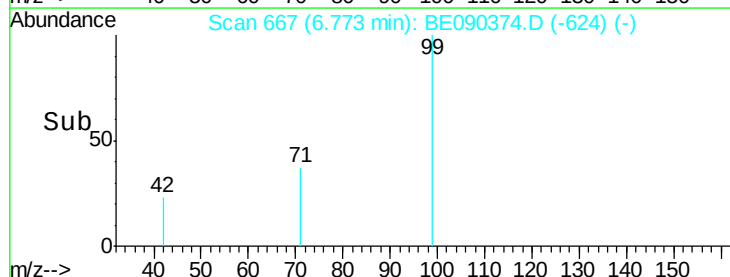
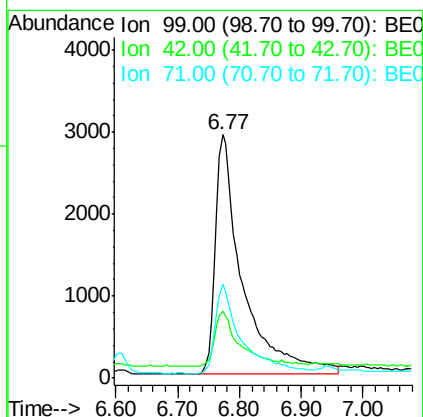
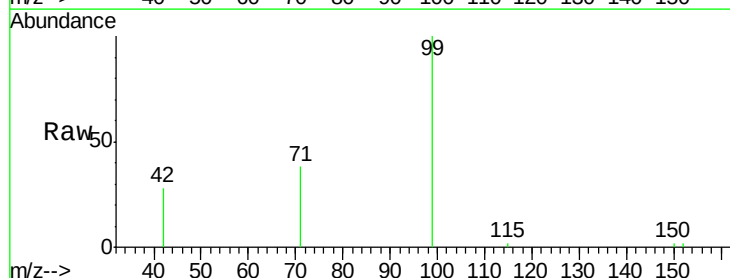
Instrument :
 BNA_E
 ClientSampleId :
 080315-D506-F-U-B

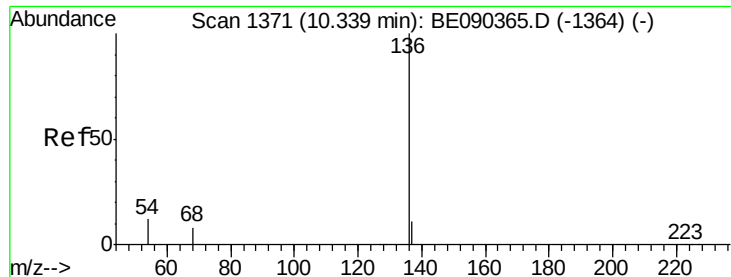
Tgt Ion: 112 Resp: 10728
 Ion Ratio Lower Upper
 112 100
 64 71.8 37.1 55.7#
 63 37.4 19.5 29.3#



#5
 Phenol-d6
 Concen: 1.56 ng
 RT: 6.77 min Scan# 667
 Delta R.T. -0.01 min
 Lab File: BE090374.D
 Acq: 6 Aug 2015 00:06

Tgt Ion: 99 Resp: 9012
 Ion Ratio Lower Upper
 99 100
 42 21.1 18.2 27.4
 71 35.5 27.4 41.0





#6

Naphthalene-d8

Concen: 5.00 ng

RT: 10.34 min Scan# 1371

Delta R.T. 0.00 min

Lab File: BE090374.D

Acq: 6 Aug 2015 00:06

Instrument :

BNA_E

ClientSampleId :

080315-D506-F-U-B

Tgt Ion:136 Resp: 89521

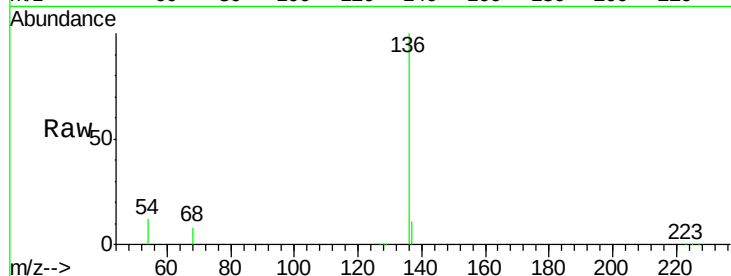
Ion Ratio Lower Upper

136 100

137 10.8 8.7 13.1

54 12.0 9.4 14.0

68 8.3 6.5 9.7

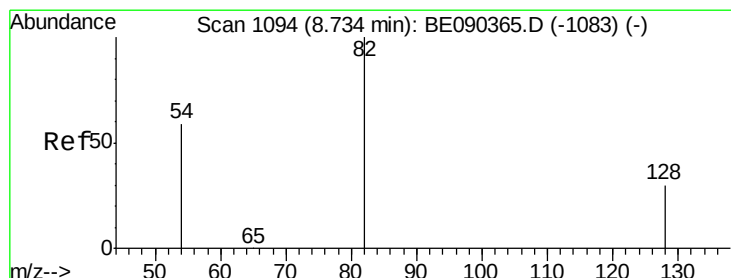
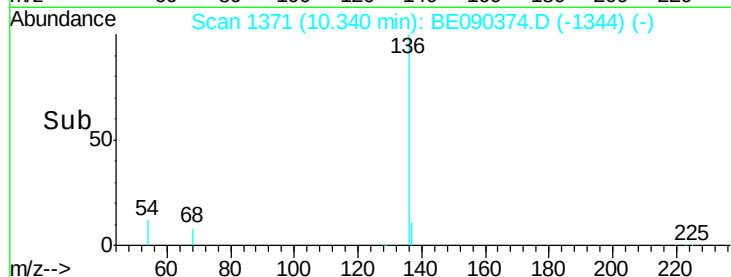
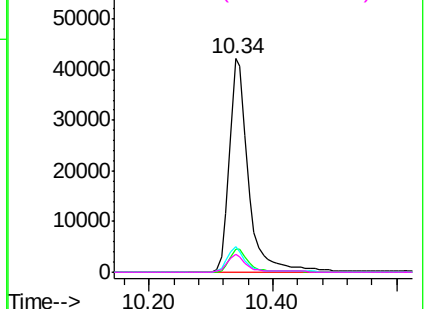


Abundance Ion 136.00 (135.70 to 136.70): E

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: 3.70 ng

RT: 8.73 min Scan# 1094

Delta R.T. 0.00 min

Lab File: BE090374.D

Acq: 6 Aug 2015 00:06

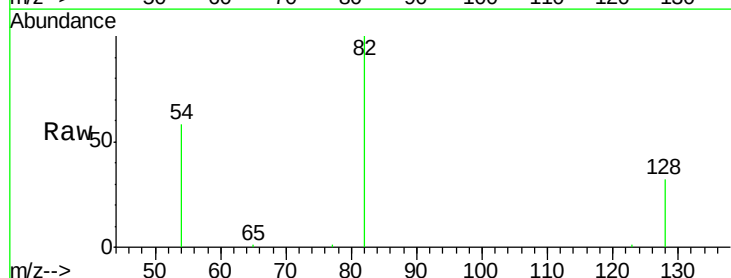
Tgt Ion: 82 Resp: 26546

Ion Ratio Lower Upper

82 100

128 31.6 25.0 37.6

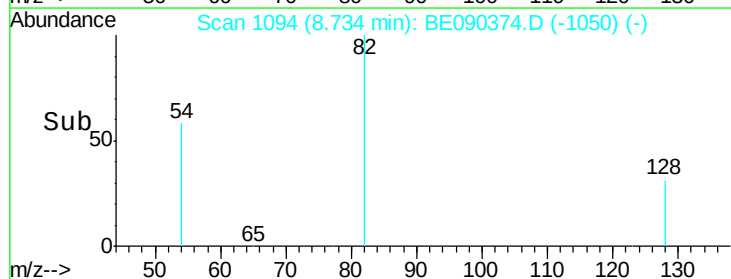
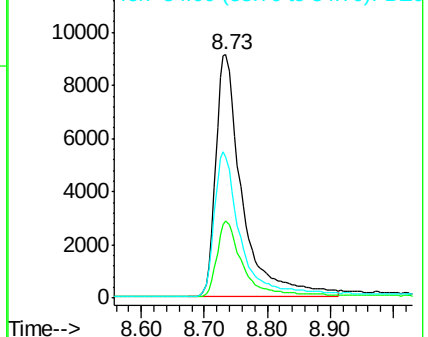
54 58.2 48.8 73.2

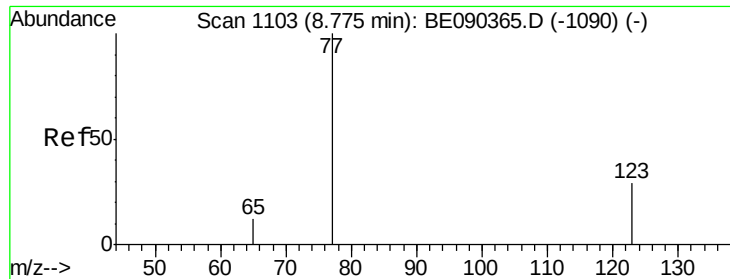


Abundance Ion 82.00 (81.70 to 82.70): BE0

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: BE090374.D

Acq: 6 Aug 2015 00:06

Instrument :

BNA_E

ClientSampleId :

080315-D506-F-U-B

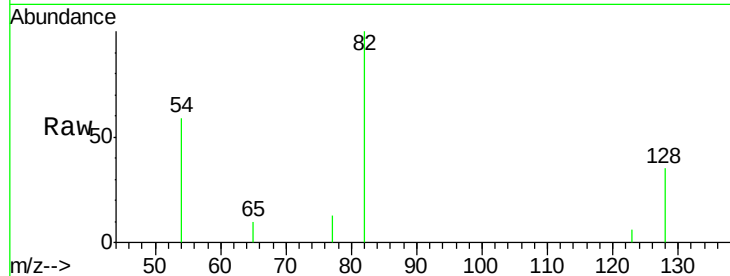
Tgt Ion: 77 Resp: 10

Ion Ratio Lower Upper

77 100

123 70.0 25.1 37.7#

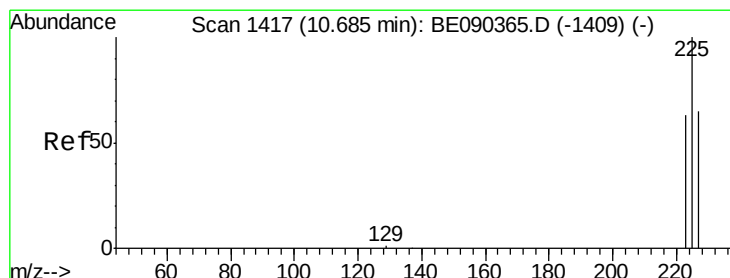
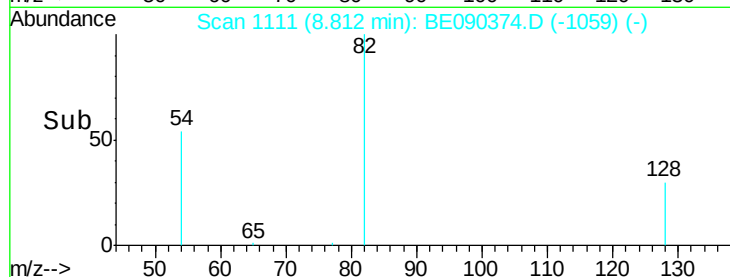
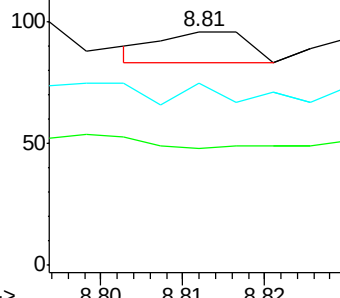
65 90.0 9.3 13.9#



Abundance Ion 77.00 (76.70 to 77.70): BE0

Ion 123.00 (122.70 to 123.70): BE0

Ion 65.00 (64.70 to 65.70): BE0



#10

Hexachlorobutadiene

Concen: Below Cal

RT: 10.70 min Scan# 1419

Delta R.T. 0.02 min

Lab File: BE090374.D

Acq: 6 Aug 2015 00:06

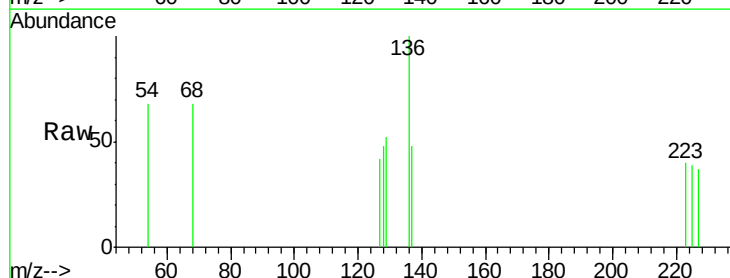
Tgt Ion: 225 Resp: 1

Ion Ratio Lower Upper

225 100

223 600.0 50.6 75.8#

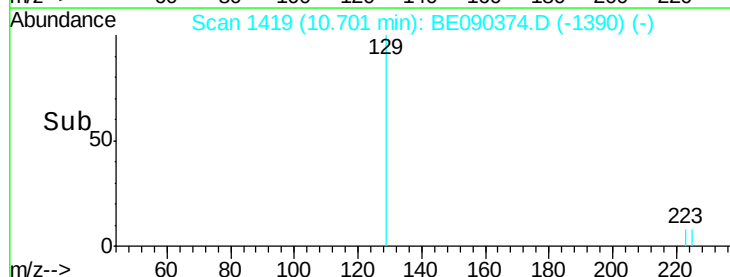
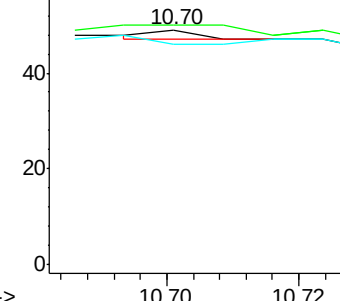
227 300.0 50.7 76.1#

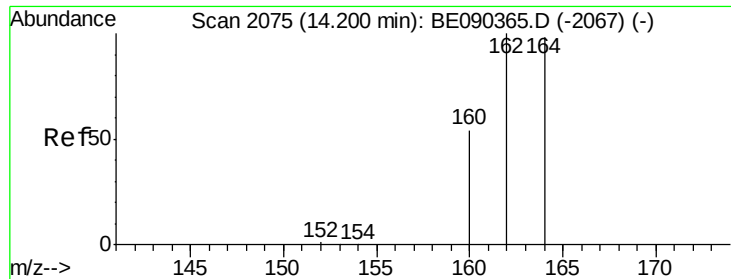


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.20 min Scan# 2075

Delta R.T. 0.00 min

Lab File: BE090374.D

Acq: 6 Aug 2015 00:06

Instrument :

BNA_E

ClientSampleId :

080315-D506-F-U-B

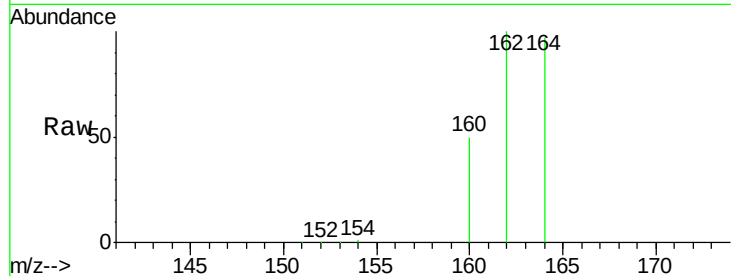
Tgt Ion:164 Resp: 51254

Ion Ratio Lower Upper

164 100

162 103.1 81.8 122.8

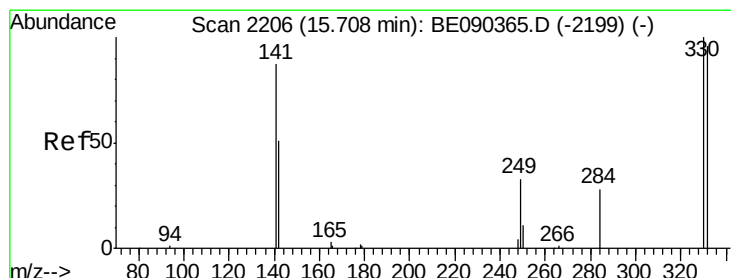
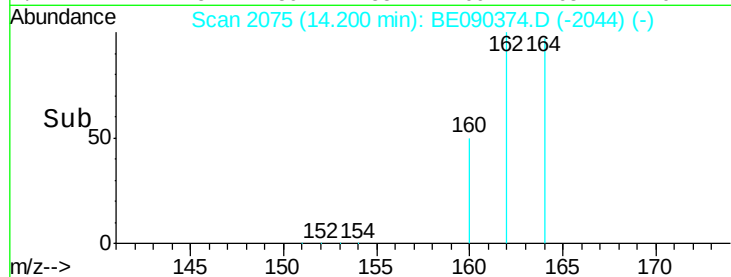
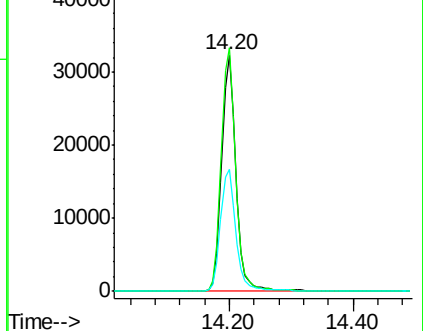
160 51.6 44.2 66.4



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: 7.71 ng

RT: 15.71 min Scan# 2206

Delta R.T. 0.00 min

Lab File: BE090374.D

Acq: 6 Aug 2015 00:06

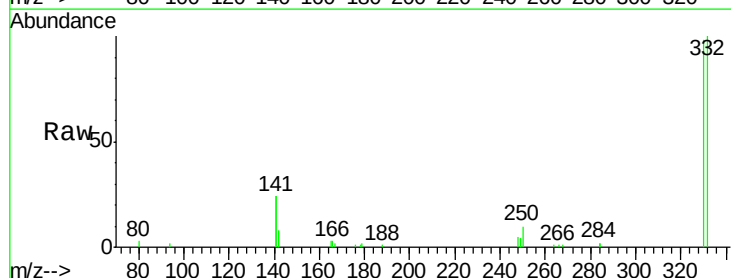
Tgt Ion:330 Resp: 11879

Ion Ratio Lower Upper

330 100

332 96.4 75.8 113.6

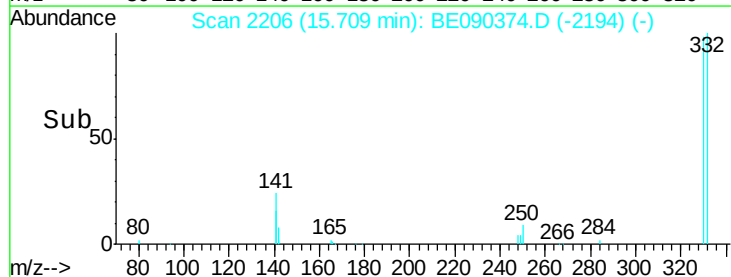
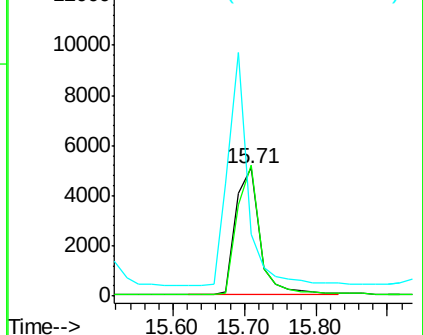
141 152.5 114.4 171.6

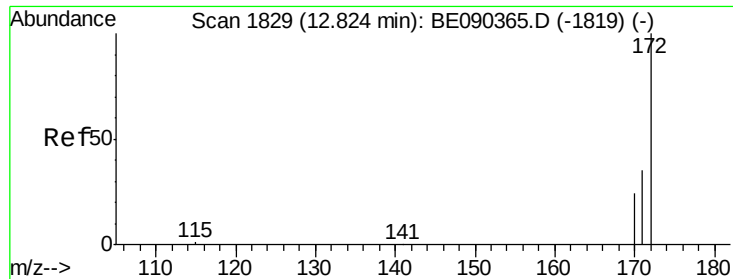


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

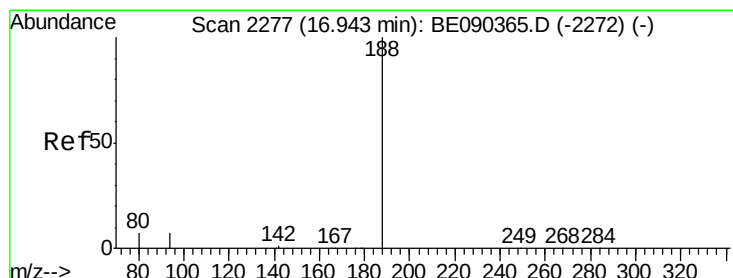
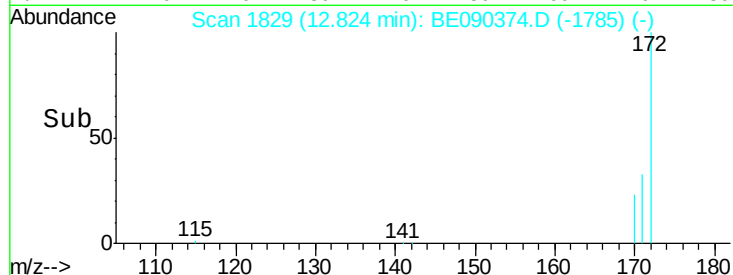
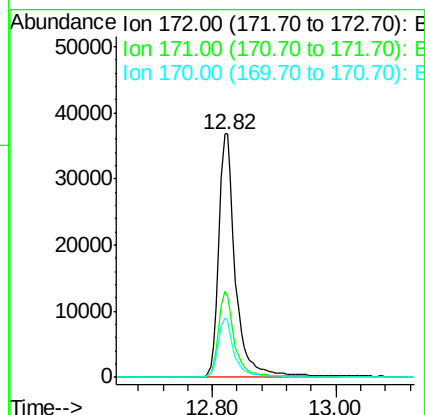
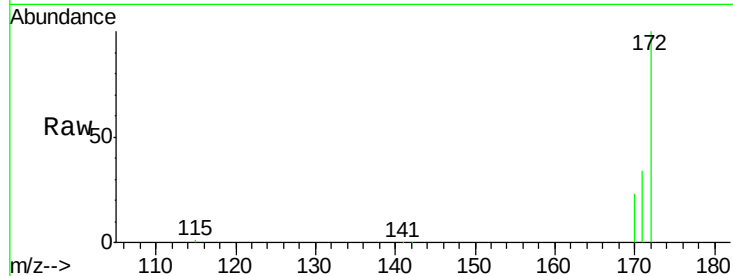




#14
2-Fluorobiphenyl
Concen: 4.89 ng
RT: 12.82 min Scan# 1829
Delta R.T. 0.00 min
Lab File: BE090374.D
Acq: 6 Aug 2015 00:06

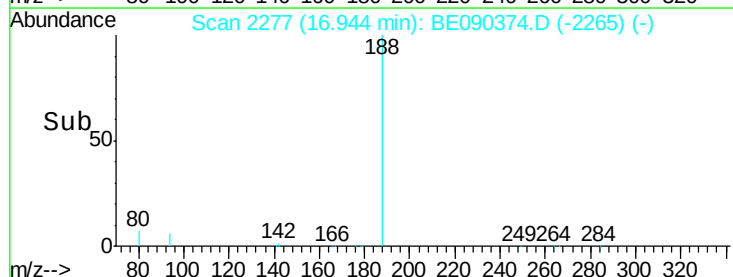
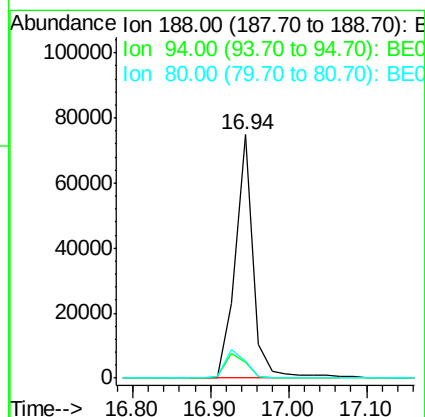
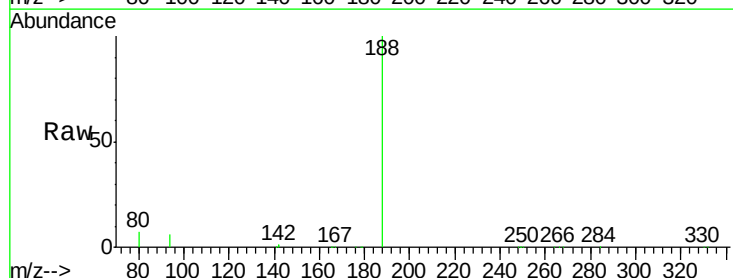
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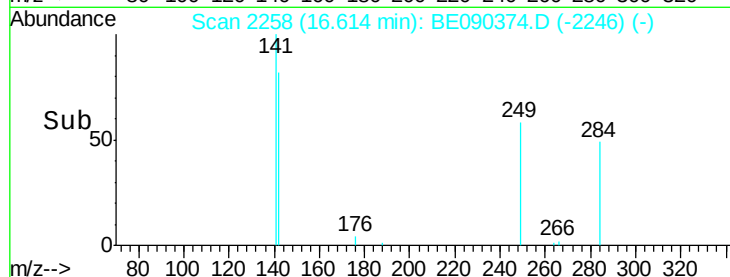
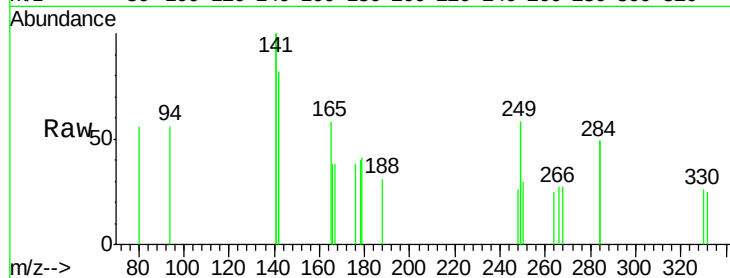
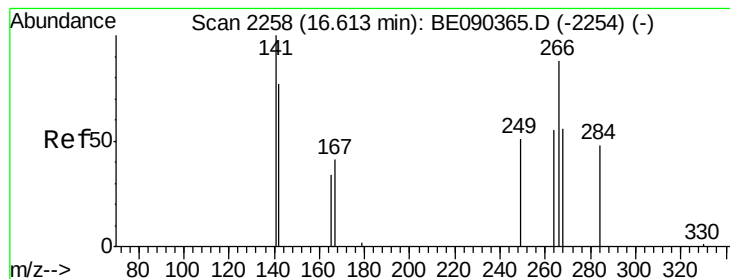
Tgt Ion:172 Resp: 68948
Ion Ratio Lower Upper
172 100
171 33.5 28.5 42.7
170 23.2 19.8 29.8



#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.94 min Scan# 2277
Delta R.T. 0.00 min
Lab File: BE090374.D
Acq: 6 Aug 2015 00:06

Tgt Ion:188 Resp: 118915
Ion Ratio Lower Upper
188 100
94 6.5 5.7 8.5
80 6.9 5.8 8.8





#21

Pentachlorophenol

Concen: 0.10 ng

RT: 16.61 min Scan# 2258

Delta R.T. 0.00 min

Lab File: BE090374.D

Acq: 6 Aug 2015 00:06

Instrument :

BNA_E

ClientSampleId :

080315-D506-F-U-B

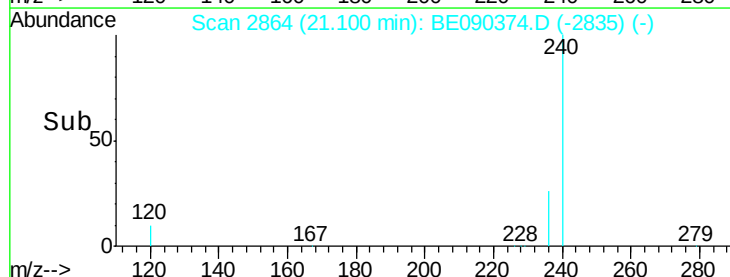
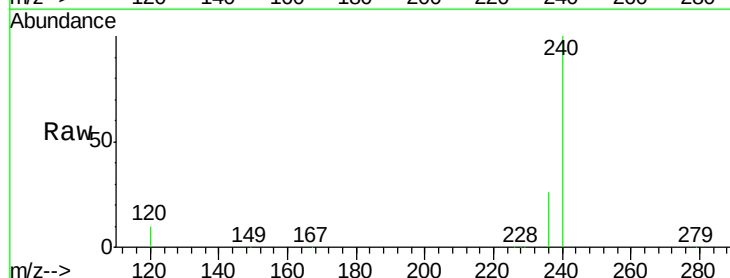
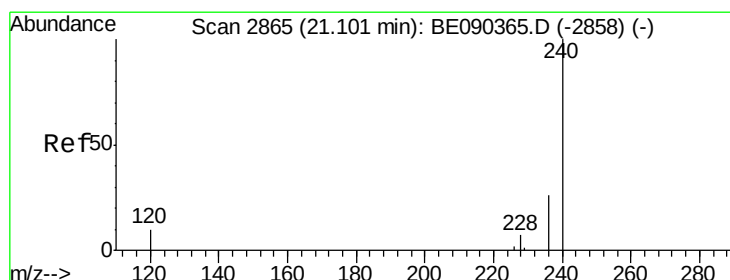
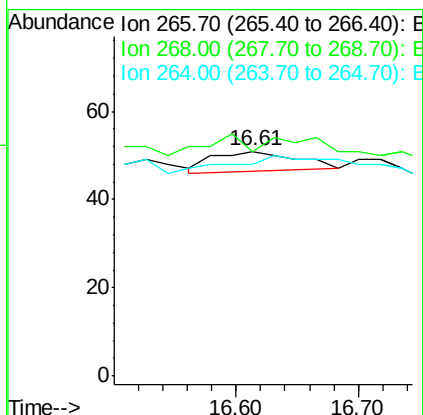
Tgt Ion:266 Resp: 22

Ion Ratio Lower Upper

266 100

268 100.0 58.5 87.7#

264 94.1 56.0 84.0#



#25

Chrysene-d12

Concen: 5.00 ng

RT: 21.10 min Scan# 2864

Delta R.T. -0.00 min

Lab File: BE090374.D

Acq: 6 Aug 2015 00:06

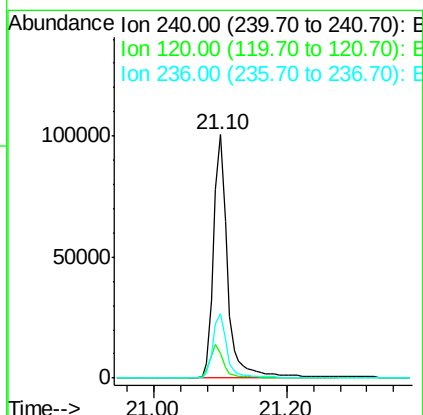
Tgt Ion:240 Resp: 145556

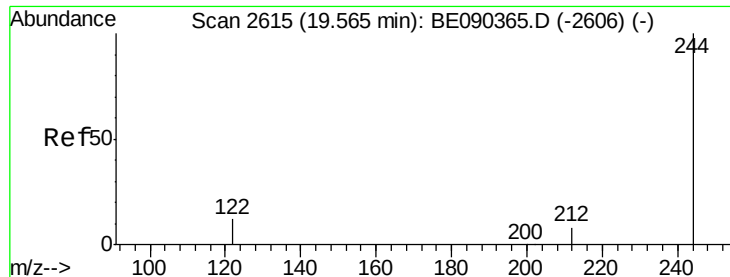
Ion Ratio Lower Upper

240 100

120 10.3 8.3 12.5

236 26.5 21.0 31.4





#27

Terphenyl-d14

Concen: 6.00 ng

RT: 19.56 min Scan# 2614

Delta R.T. -0.01 min

Lab File: BE090374.D

Acq: 6 Aug 2015 00:06

Instrument :

BNA_E

ClientSampleId :

080315-D506-F-U-B

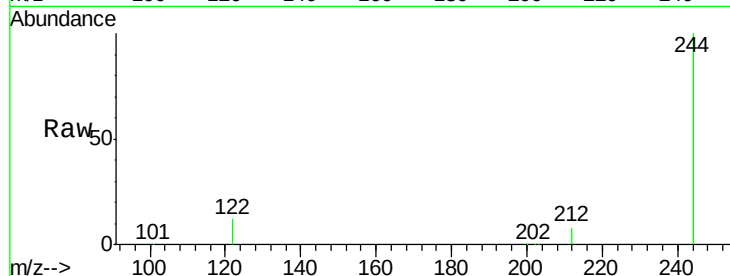
Tgt Ion:244 Resp: 128771

Ion Ratio Lower Upper

244 100

212 8.1 6.6 9.8

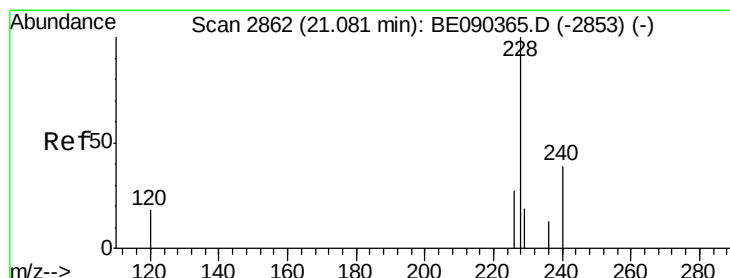
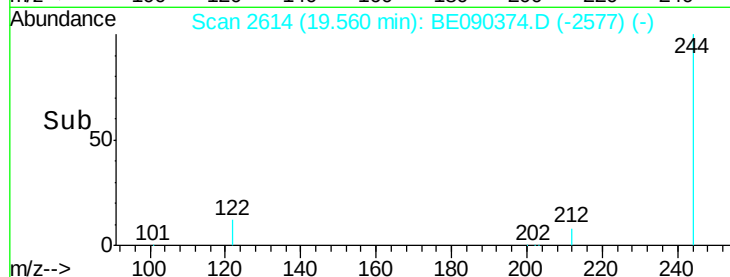
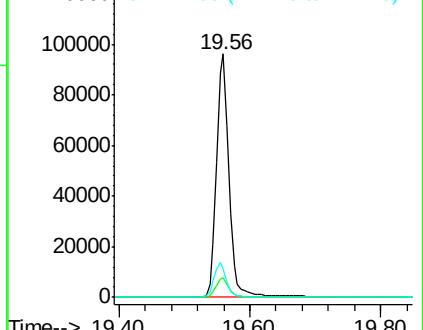
122 11.8 10.2 15.4



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# 2863

Delta R.T. 0.01 min

Lab File: BE090374.D

Acq: 6 Aug 2015 00:06

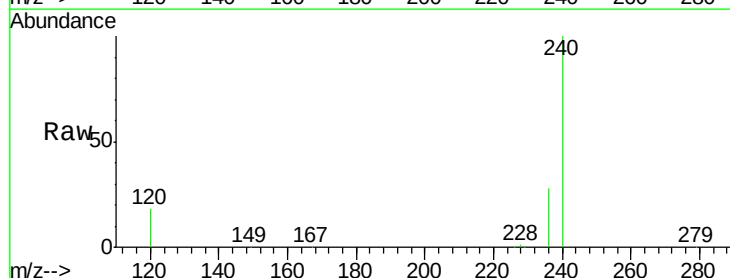
Tgt Ion:228 Resp: 729

Ion Ratio Lower Upper

228 100

226 36.5 21.9 32.9#

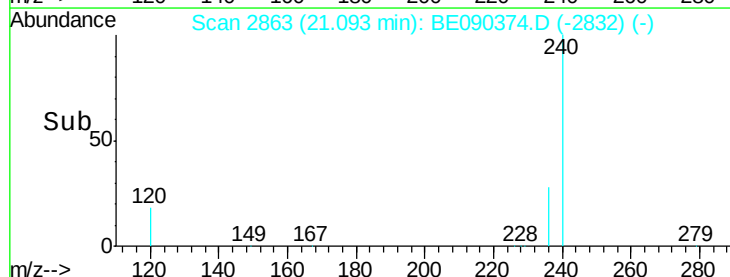
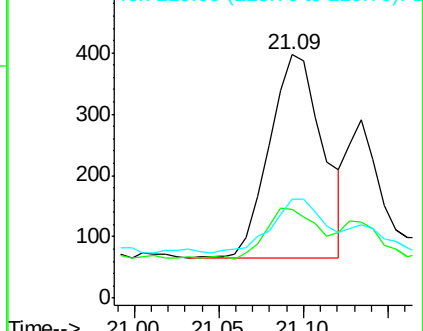
229 40.8 15.4 23.0#

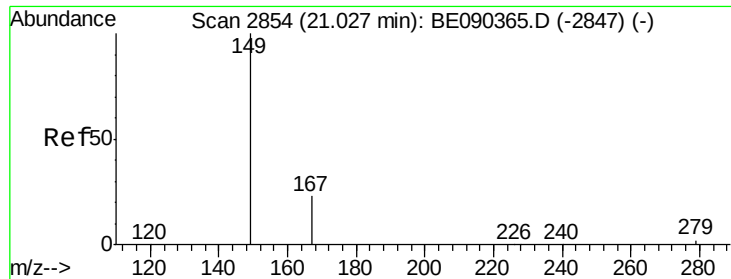


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#30

Bis(2-ethylhexyl)phthalate

Concen: 0.33 ng

RT: 21.03 min Scan# 2853

Delta R.T. -0.00 min

Lab File: BE090374.D

Acq: 6 Aug 2015 00:06

Instrument :

BNA_E

ClientSampleId :

080315-D506-F-U-B

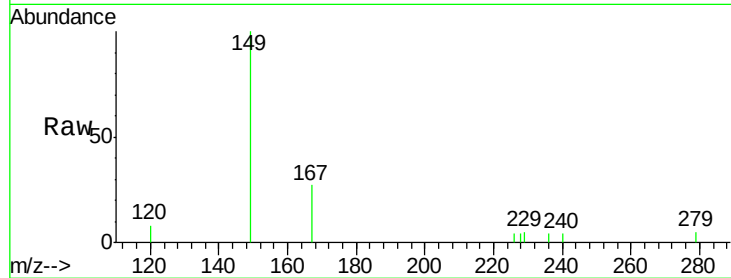
Tgt Ion:149 Resp: 1727

Ion Ratio Lower Upper

149 100

167 25.0 19.8 29.8

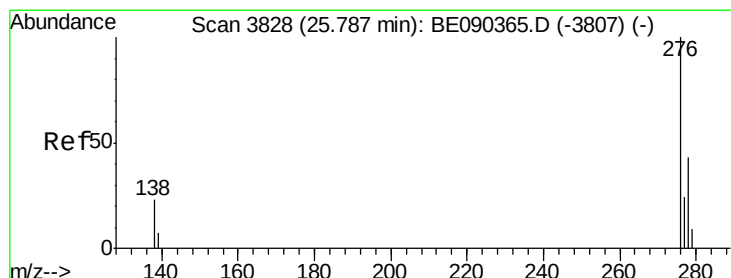
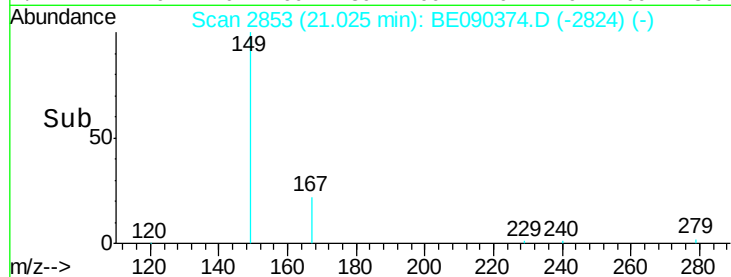
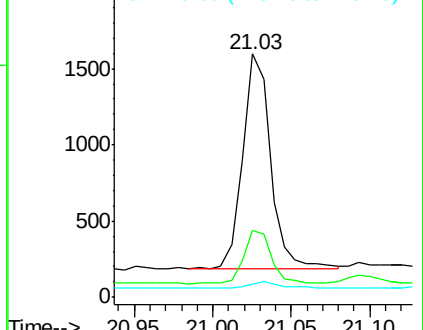
279 3.2 2.4 3.6



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# 3829

Delta R.T. 0.00 min

Lab File: BE090374.D

Acq: 6 Aug 2015 00:06

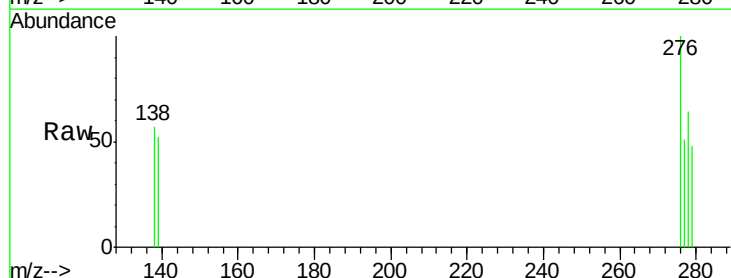
Tgt Ion:276 Resp: 394

Ion Ratio Lower Upper

276 100

138 14.7 18.8 28.2#

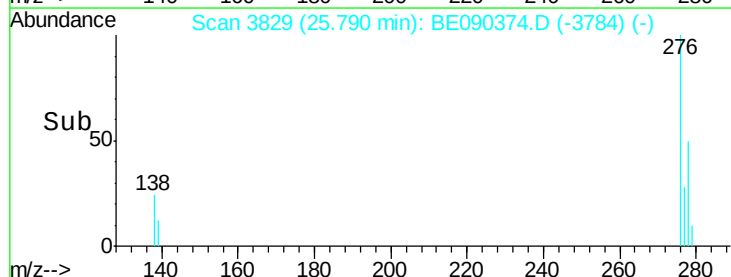
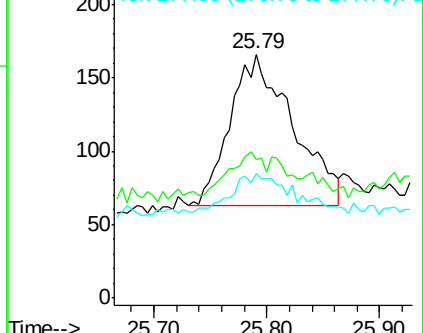
277 7.9 18.2 27.4#

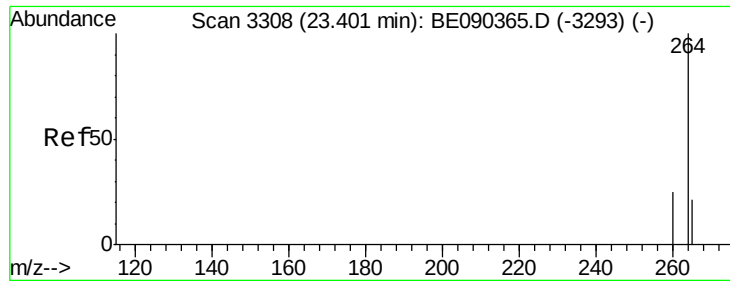


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

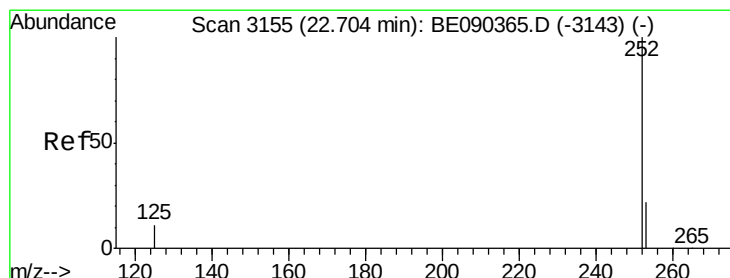
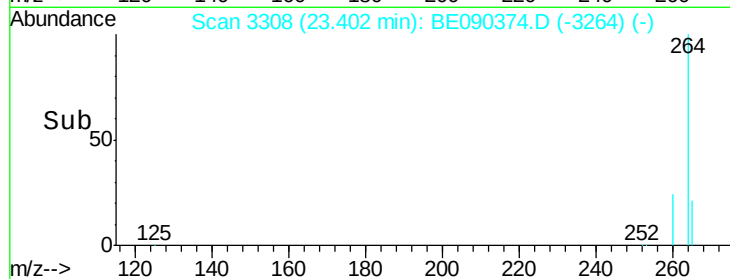
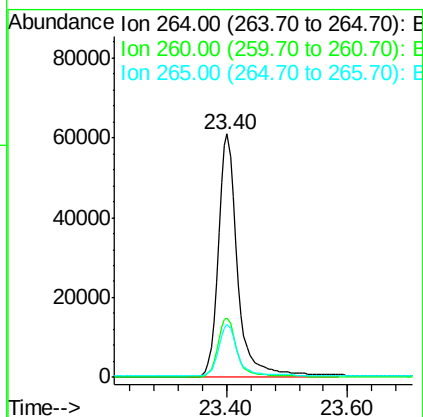
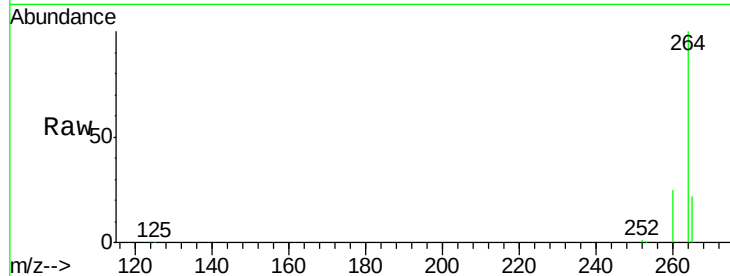




#32
Perylene-d12
 Concen: 5.00 ng
 RT: 23.40 min Scan# 3308
 Delta R.T. 0.00 min
 Lab File: BE090374.D
 Acq: 6 Aug 2015 00:06

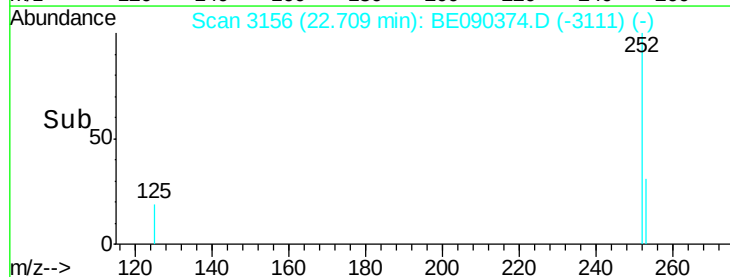
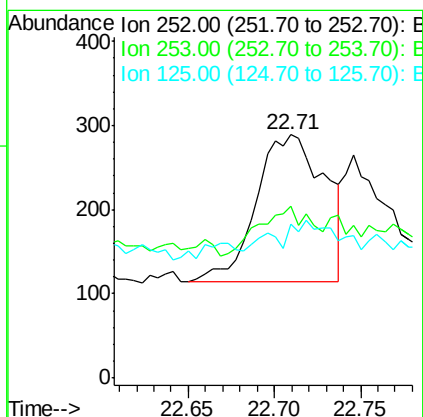
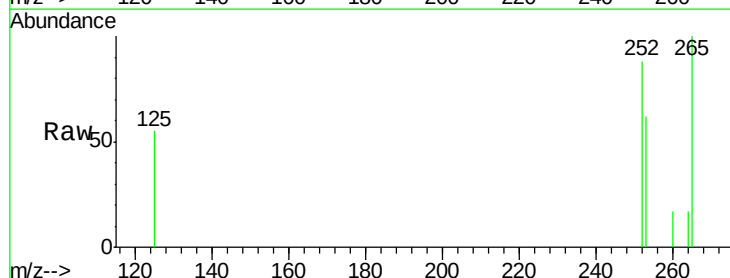
Instrument :
 BNA_E
 ClientSampleId :
 080315-D506-F-U-B

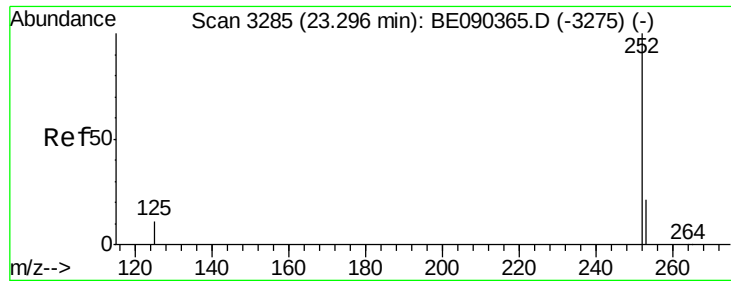
Tgt Ion: 264 Resp: 135171
 Ion Ratio Lower Upper
 264 100
 260 24.5 20.1 30.1
 265 21.8 17.2 25.8



#33
Benzo(b)fluoranthene
 Concen: 0.21 ng
 RT: 22.71 min Scan# 3156
 Delta R.T. 0.01 min
 Lab File: BE090374.D
 Acq: 6 Aug 2015 00:06

Tgt Ion: 252 Resp: 481
 Ion Ratio Lower Upper
 252 100
 253 70.6 18.1 27.1#
 125 63.3 9.4 14.2#





#35

Benzo(a)pyrene

Concen: 0.24 ng

RT: 23.30 min Scan# 3286

Delta R.T. 0.01 min

Lab File: BE090374.D

Acq: 6 Aug 2015 00:06

Instrument :

BNA_E

ClientSampleId :

080315-D506-F-U-B

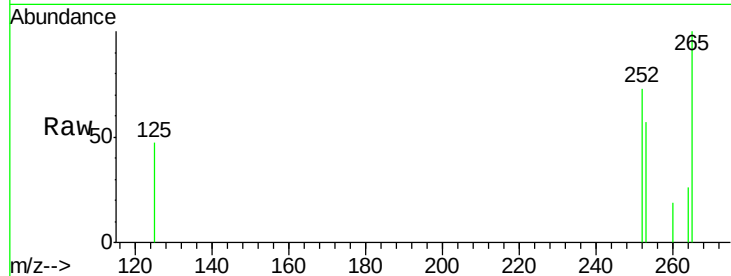
Tgt Ion: 252 Resp: 298

Ion Ratio Lower Upper

252 100

253 77.3 17.6 26.4#

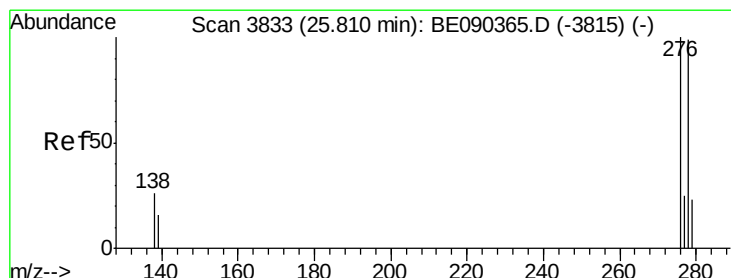
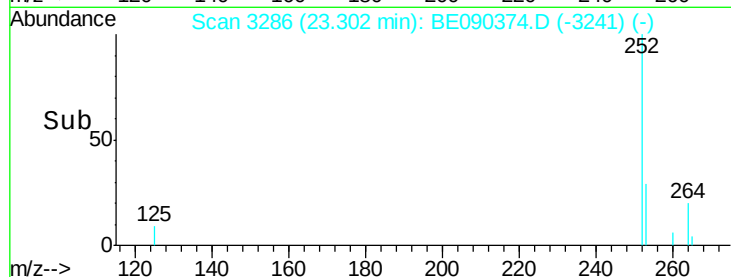
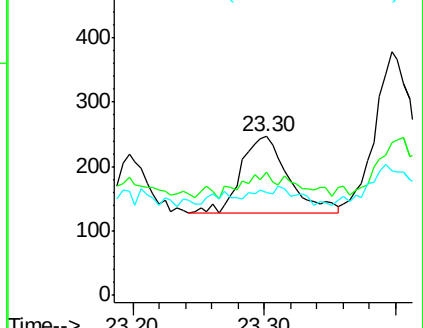
125 64.8 9.8 14.6#



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: 0.30 ng

RT: 25.81 min Scan# 3834

Delta R.T. 0.00 min

Lab File: BE090374.D

Acq: 6 Aug 2015 00:06

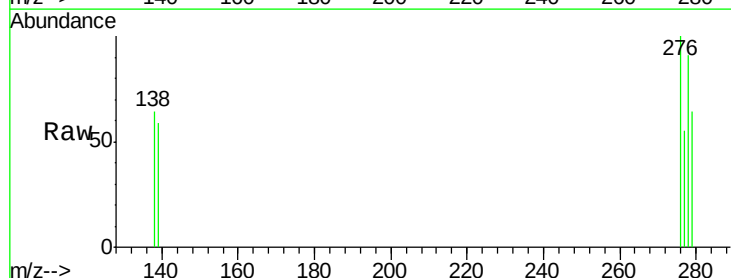
Tgt Ion: 278 Resp: 293

Ion Ratio Lower Upper

278 100

139 64.8 14.2 21.4#

279 70.3 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

