

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE081315\
 Data File : BE090509.D
 Acq On : 13 Aug 2015 20:38
 Operator : UM/IZ
 Sample : G3280-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 081215-D534-F-D-S

Quant Time: Aug 14 04:34:57 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

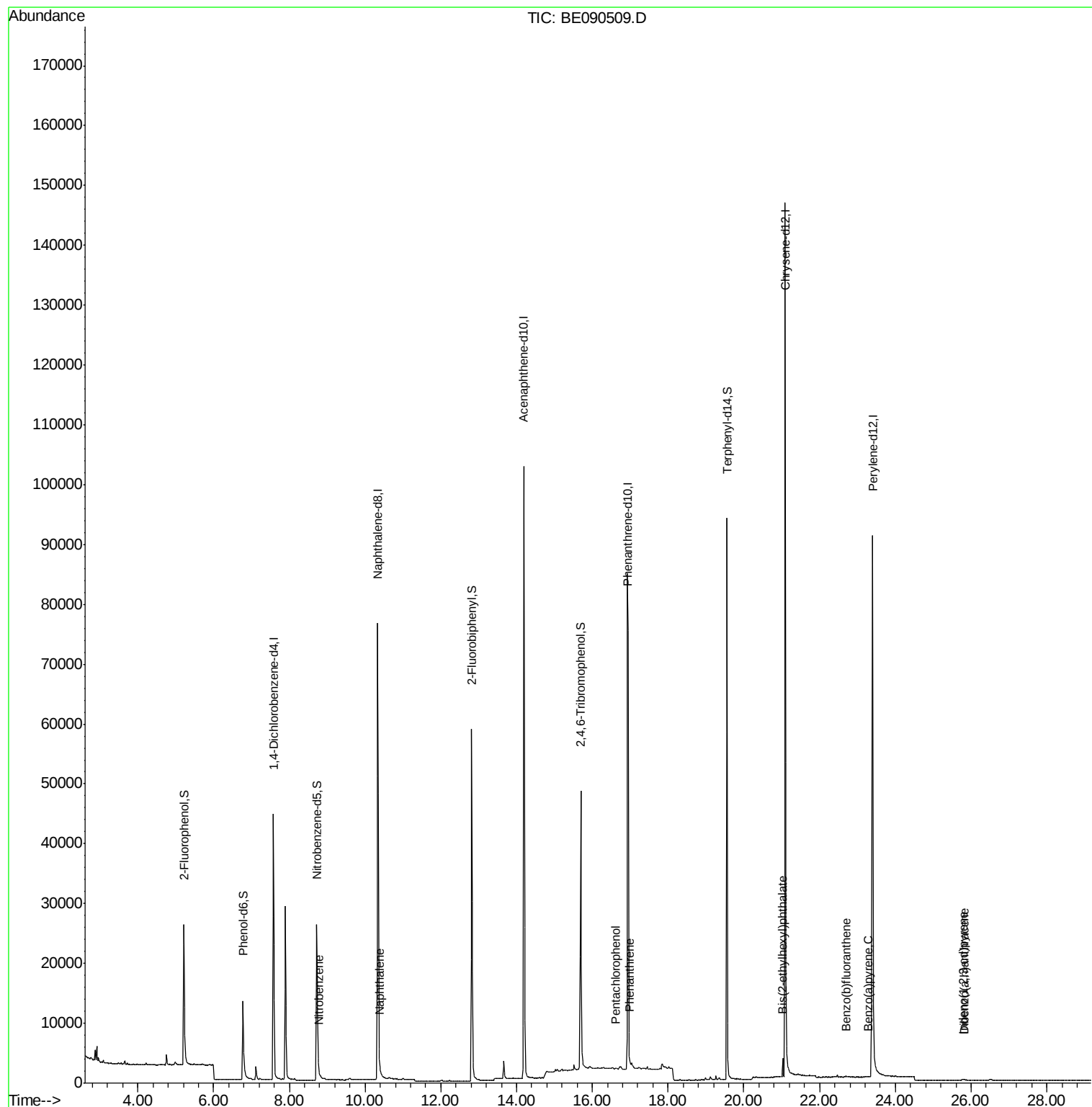
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.58	152	22631	5.00	ng	0.00
6) Naphthalene-d8	10.33	136	113870	5.00	ng	0.00
12) Acenaphthene-d10	14.19	164	62585	5.00	ng	0.00
18) Phenanthrene-d10	16.94	188	138044	5.00	ng	0.00
25) Chrysene-d12	21.09	240	142693	5.00	ng	0.00
32) Perylene-d12	23.40	264	130382	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.22	112	20016	5.90	ng	0.00
5) Phenol-d6	6.77	99	19581	2.82	ng	0.00
7) Nitrobenzene-d5	8.72	82	31145	3.43	ng	0.00
13) 2,4,6-Tribromophenol	15.69	330	21026	9.87	ng	-0.02
14) 2-Fluorobiphenyl	12.82	172	63185	3.67	ng	0.00
27) Terphenyl-d14	19.56	244	100089	4.76	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.19	88	63	Below Cal	#	1
8) Nitrobenzene	8.78	77	7	0.21 ng	#	23
9) Naphthalene	10.39	128	915	0.04 ng	#	52
10) Hexachlorobutadiene	10.68	225	4	Below Cal	#	52
21) Pentachlorophenol	16.61	266	14	0.10 ng	#	66
22) Phenanthrene	16.98	178	905	0.03 ng	#	83
30) Bis(2-ethylhexyl)phthalate	21.03	149	2687	0.46 ng		98
31) Indeno(1,2,3-cd)pyrene	25.79	276	299	0.26 ng		93
33) Benzo(b)fluoranthene	22.70	252	261	0.20 ng	#	1
35) Benzo(a)pyrene	23.29	252	176	0.23 ng	#	1
36) Dibenzo(a,h)anthracene	25.81	278	216	0.29 ng	#	1

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

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Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE080515.M
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QLast Update : Thu Aug 06 12:28:08 2015
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.58 min Scan# 844

Delta R.T. -0.01 min

Lab File: BE090509.D

Acq: 13 Aug 2015 20:38

Instrument :

BNA_E

ClientSampleId :

081215-D534-F-D-S

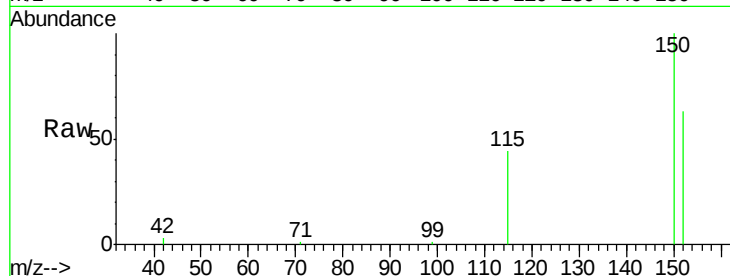
Tgt Ion: 152 Resp: 22631

Ion Ratio Lower Upper

152 100

150 158.8 123.0 184.4

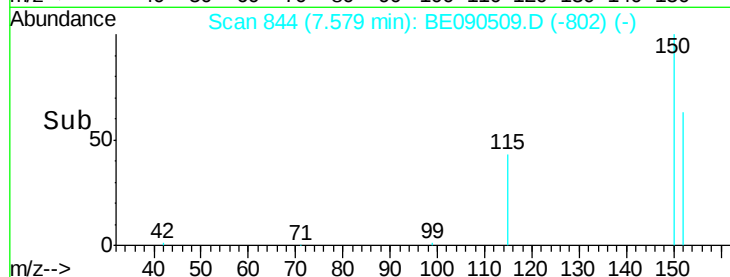
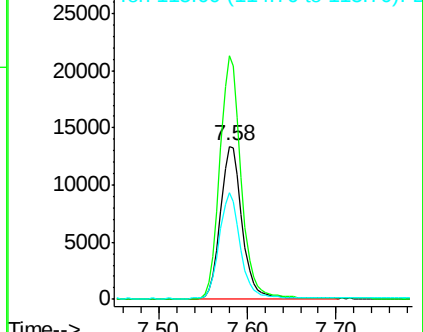
115 69.2 48.9 73.3



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: 3.19 min Scan# 88

Delta R.T. -0.00 min

Lab File: BE090509.D

Acq: 13 Aug 2015 20:38

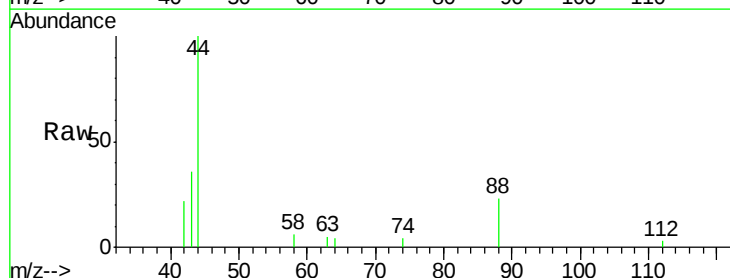
Tgt Ion: 88 Resp: 63

Ion Ratio Lower Upper

88 100

58 38.1 70.0 105.0#

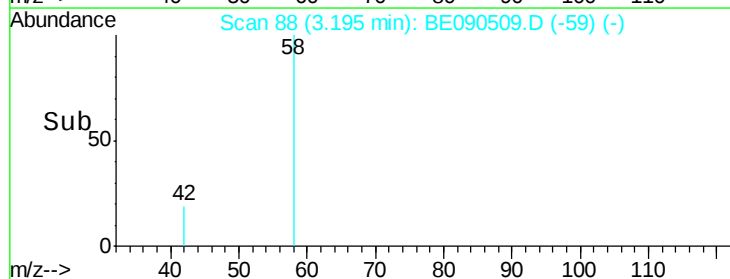
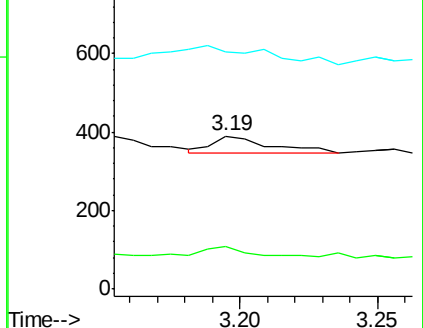
43 193.7 28.4 42.6#



Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#4

2-Fluorophenol

Concen: 5.90 ng

RT: 5.22 min Scan# 386

Delta R.T. -0.00 min

Lab File: BE090509.D

Acq: 13 Aug 2015 20:38

Instrument :

BNA_E

ClientSampleId :

081215-D534-F-D-S

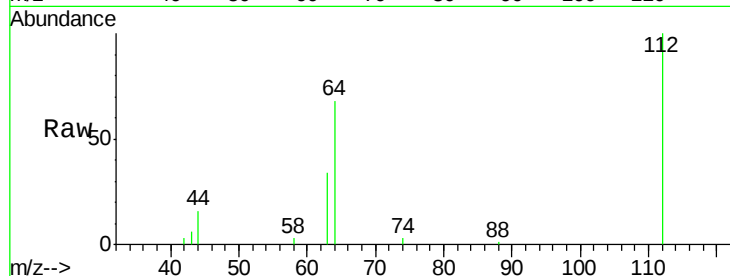
Tgt Ion: 112 Resp: 20016

Ion Ratio Lower Upper

112 100

64 69.3 37.1 55.7#

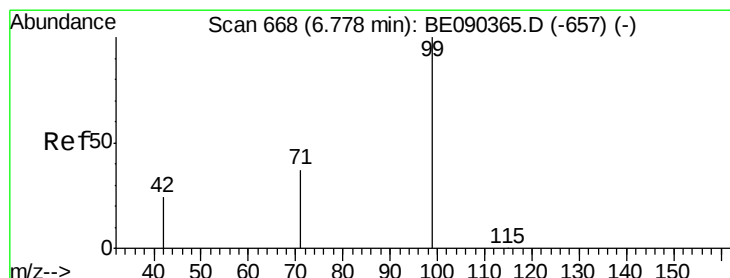
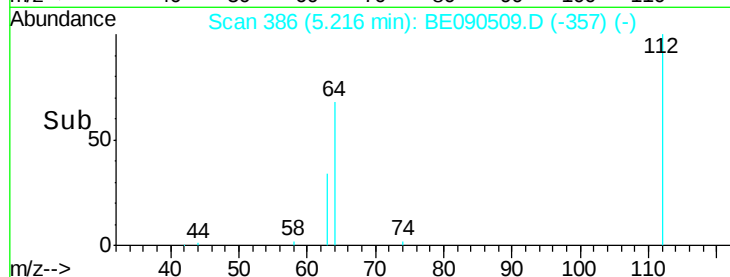
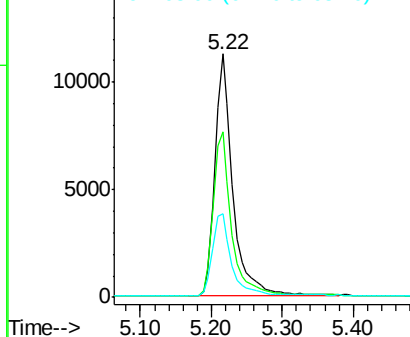
63 35.1 19.5 29.3#



Abundance Ion 112.00 (111.70 to 112.70): BE090509.D (-357) (-)

Ion 64.00 (63.70 to 64.70): BE090509.D (-357) (-)

Ion 63.00 (62.70 to 63.70): BE090509.D (-357) (-)



#5

Phenol-d6

Concen: 2.82 ng

RT: 6.77 min Scan# 667

Delta R.T. -0.00 min

Lab File: BE090509.D

Acq: 13 Aug 2015 20:38

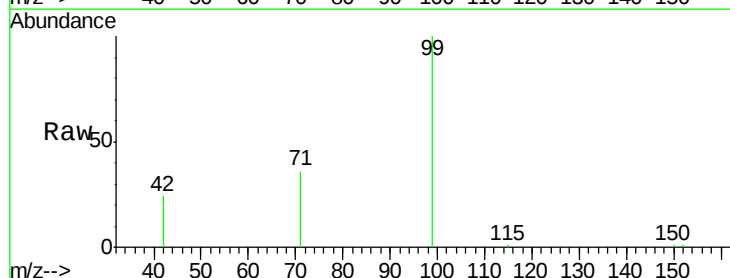
Tgt Ion: 99 Resp: 19581

Ion Ratio Lower Upper

99 100

42 19.7 18.2 27.4

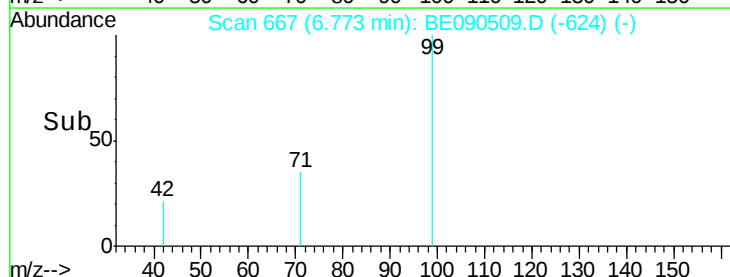
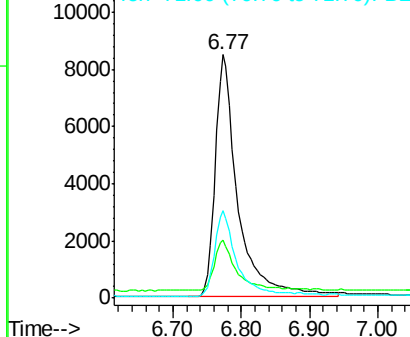
71 35.3 27.4 41.0

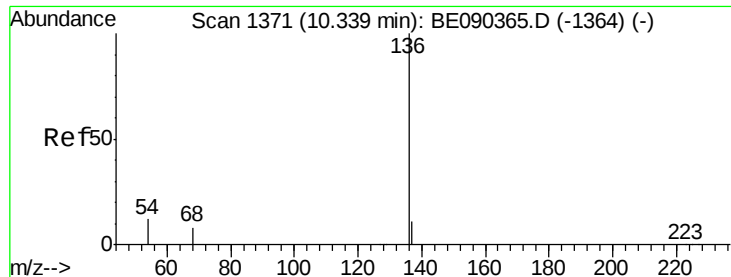


Abundance Ion 99.00 (98.70 to 99.70): BE090509.D (-624) (-)

Ion 42.00 (41.70 to 42.70): BE090509.D (-624) (-)

Ion 71.00 (70.70 to 71.70): BE090509.D (-624) (-)





#6

Naphthalene-d8

Concen: 5.00 ng

RT: 10.33 min Scan# 1370

Delta R.T. -0.01 min

Lab File: BE090509.D

Acq: 13 Aug 2015 20:38

Instrument :

BNA_E

ClientSampleId :

081215-D534-F-D-S

Tgt Ion:136 Resp: 113870

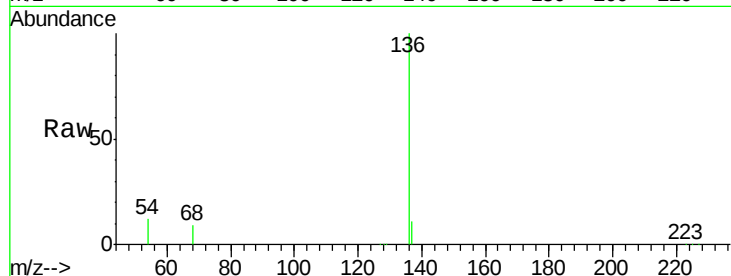
Ion Ratio Lower Upper

136 100

137 10.9 8.7 13.1

54 11.9 9.4 14.0

68 8.7 6.5 9.7

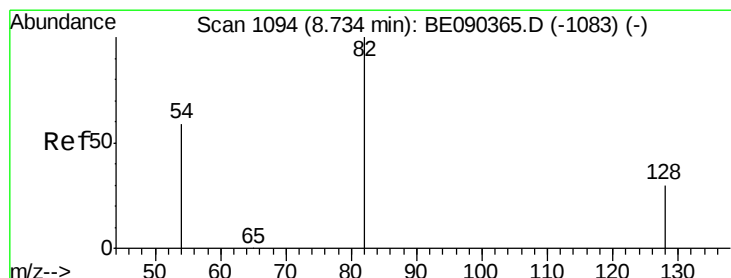
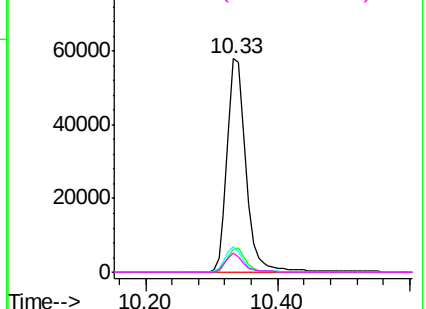
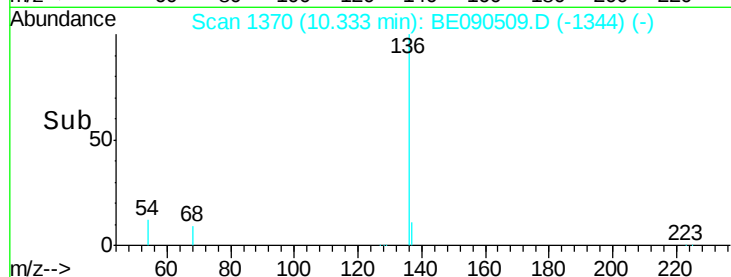


Abundance Ion 136.00 (135.70 to 136.70): E

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: 3.43 ng

RT: 8.72 min Scan# 1092

Delta R.T. -0.01 min

Lab File: BE090509.D

Acq: 13 Aug 2015 20:38

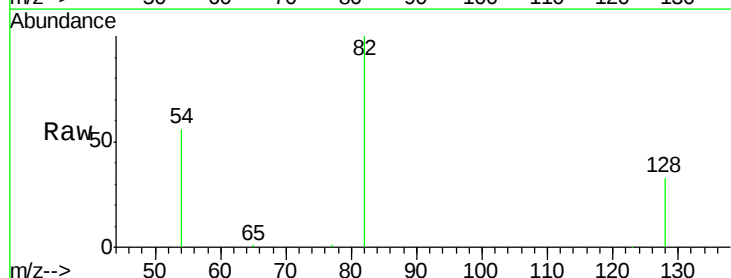
Tgt Ion: 82 Resp: 31145

Ion Ratio Lower Upper

82 100

128 33.1 25.0 37.6

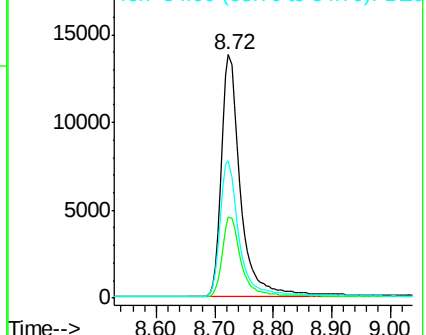
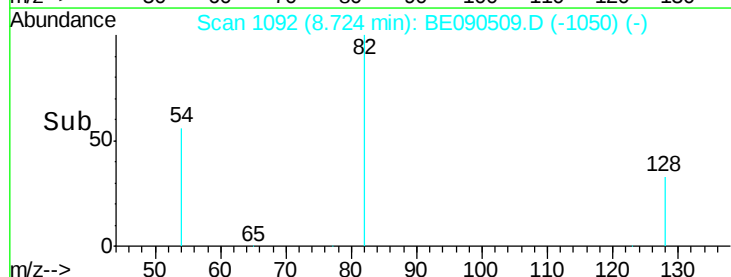
54 56.3 48.8 73.2

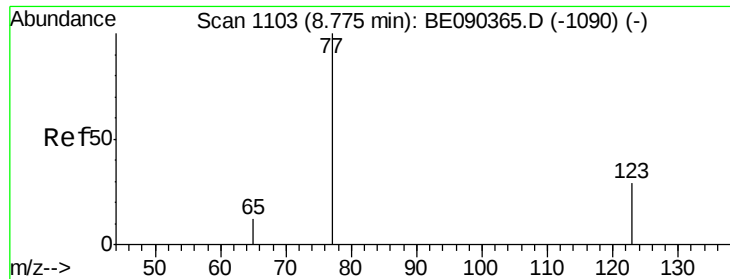


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#8

Nitrobenzene

Concen: 0.21 ng

RT: 8.78 min Scan# 1105

Delta R.T. 0.01 min

Lab File: BE090509.D

Acq: 13 Aug 2015 20:38

Instrument :

BNA_E

ClientSampleId :

081215-D534-F-D-S

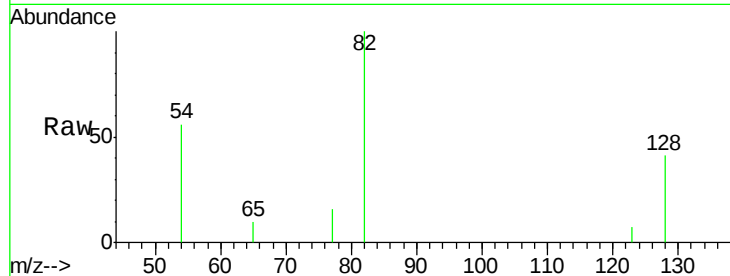
Tgt Ion: 77 Resp: 7

Ion Ratio Lower Upper

77 100

123 42.9 25.1 37.7#

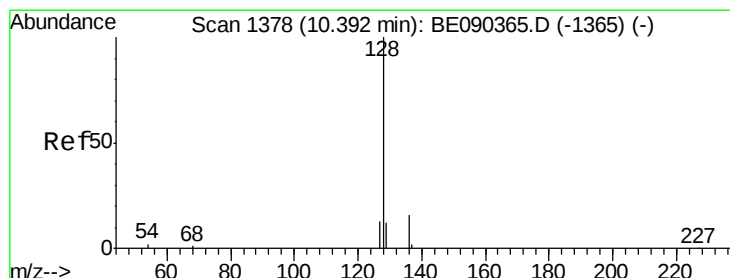
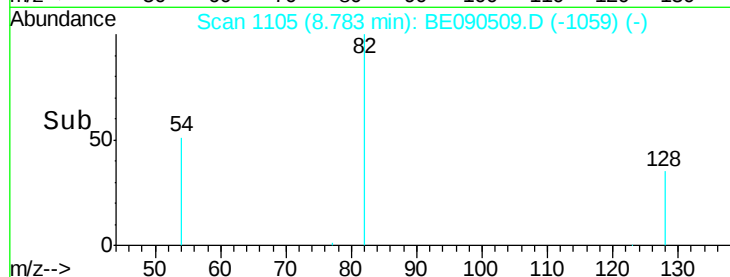
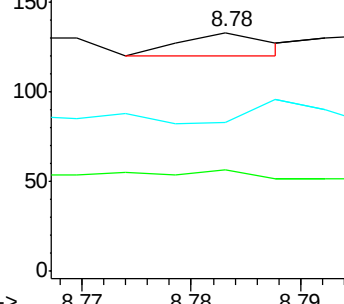
65 100.0 9.3 13.9#



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

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

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



#9

Naphthalene

Concen: 0.04 ng

RT: 10.39 min Scan# 1377

Delta R.T. -0.01 min

Lab File: BE090509.D

Acq: 13 Aug 2015 20:38

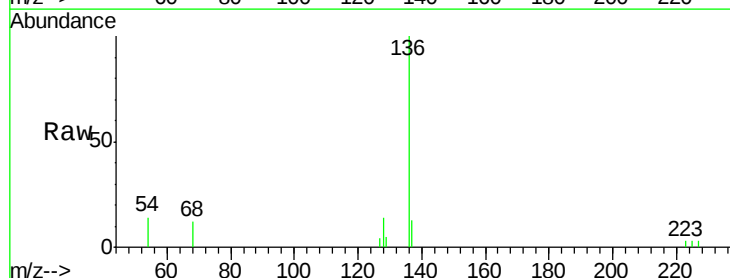
Tgt Ion: 128 Resp: 915

Ion Ratio Lower Upper

128 100

129 34.1 9.8 14.6#

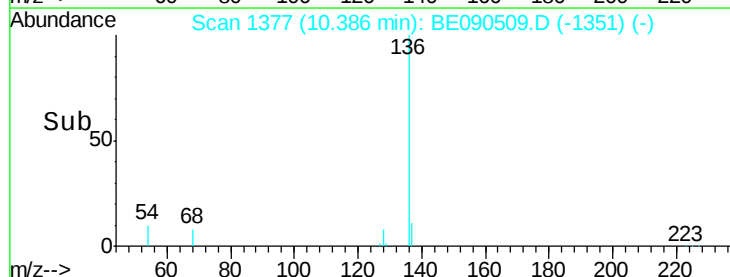
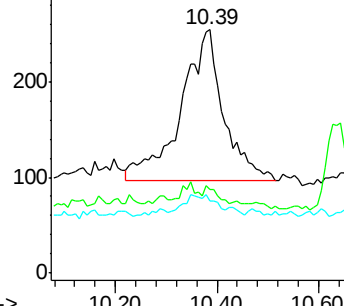
127 29.4 10.6 16.0#

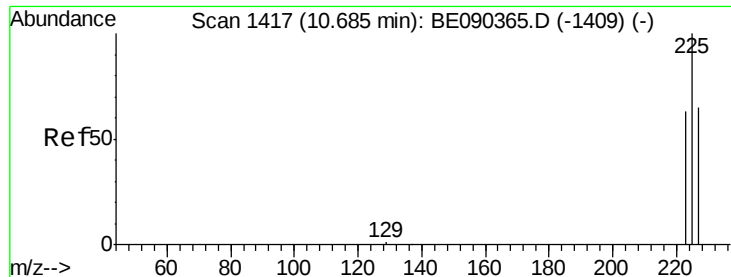


Abundance Ion 128.00 (127.70 to 128.70): BE090365.D (-1365) (-)

Ion 129.00 (128.70 to 129.70): BE090365.D (-1365) (-)

Ion 127.00 (126.70 to 127.70): BE090365.D (-1365) (-)





#10

Hexachlorobutadiene

Concen: Below Cal

RT: 10.68 min Scan# 1416

Delta R.T. -0.01 min

Lab File: BE090509.D

Acq: 13 Aug 2015 20:38

Instrument :

BNA_E

ClientSampleId :

081215-D534-F-D-S

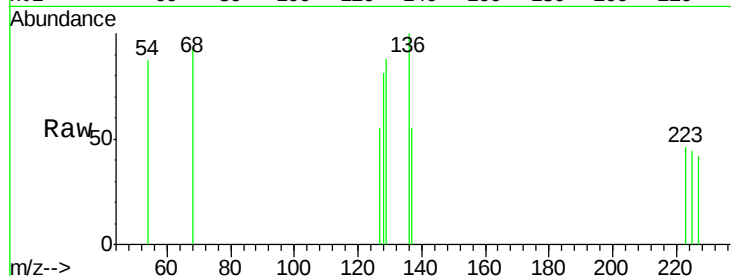
Tgt Ion: 225 Resp: 4

Ion Ratio Lower Upper

225 100

223 75.0 50.6 75.8

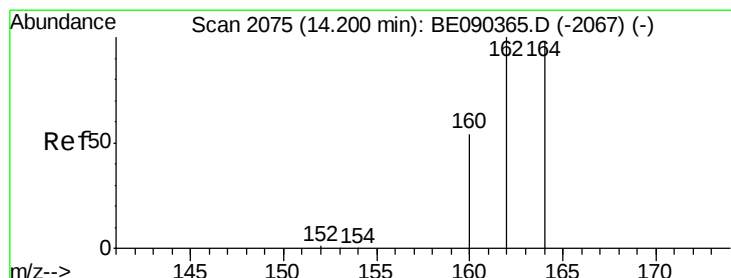
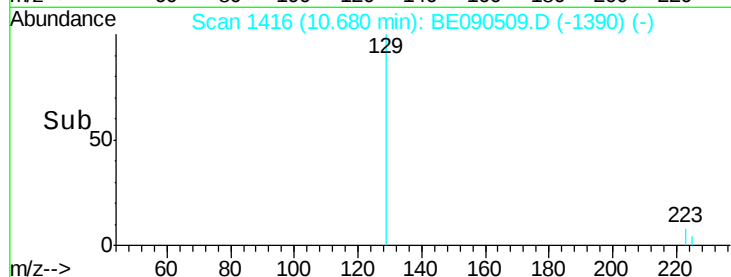
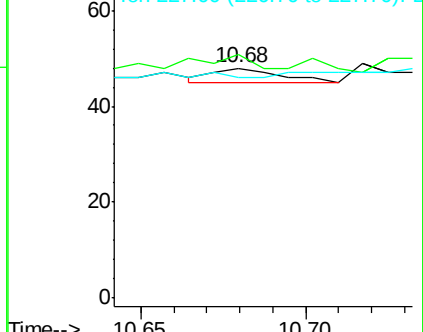
227 0.0 50.7 76.1#



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: 14.19 min Scan# 2074

Delta R.T. -0.01 min

Lab File: BE090509.D

Acq: 13 Aug 2015 20:38

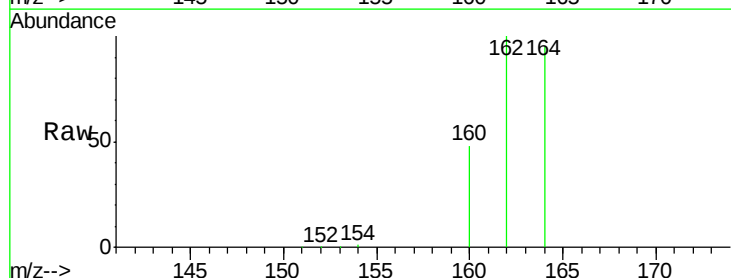
Tgt Ion: 164 Resp: 62585

Ion Ratio Lower Upper

164 100

162 105.8 81.8 122.8

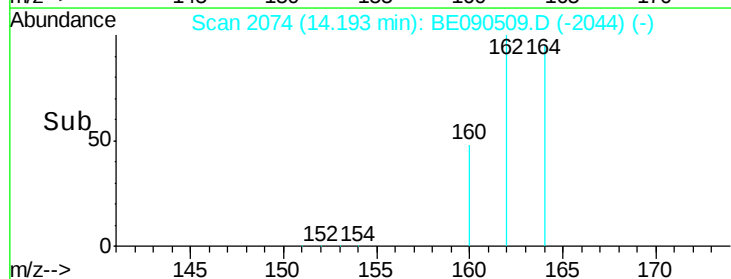
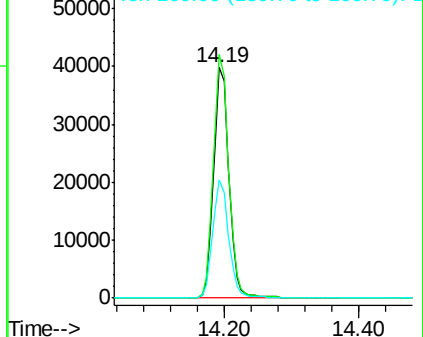
160 51.2 44.2 66.4

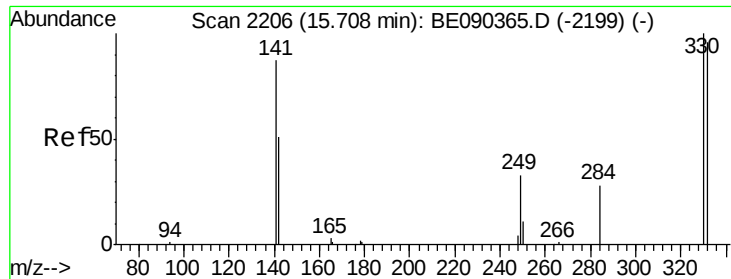


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

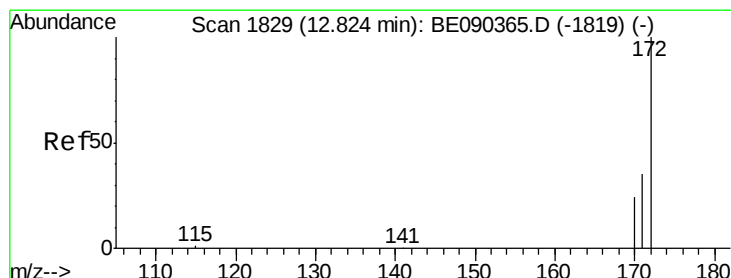
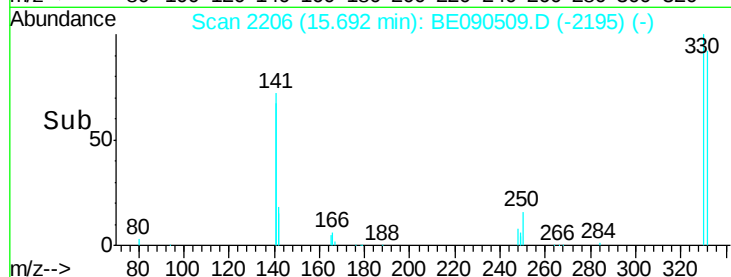
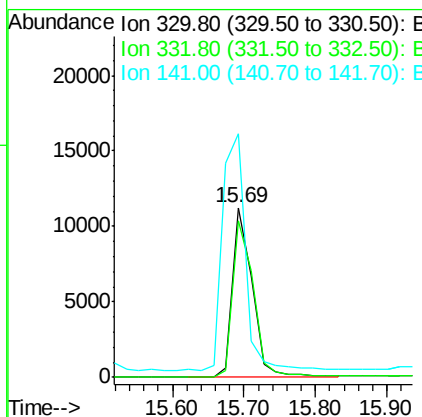
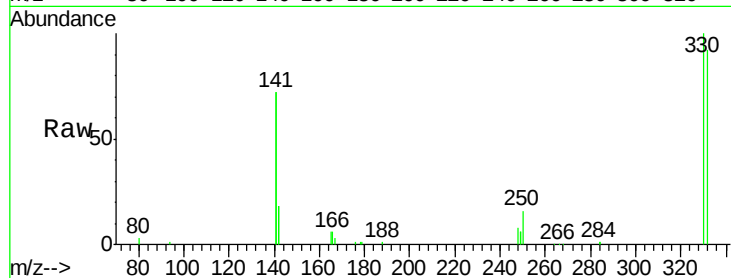




#13
 2,4,6-Tribromophenol
 Concen: 9.87 ng
 RT: 15.69 min Scan# 2206
 Delta R.T. -0.02 min
 Lab File: BE090509.D
 Acq: 13 Aug 2015 20:38

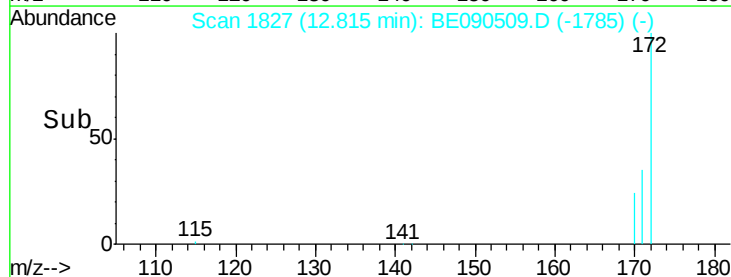
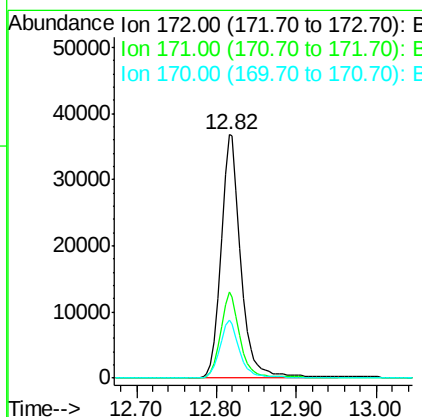
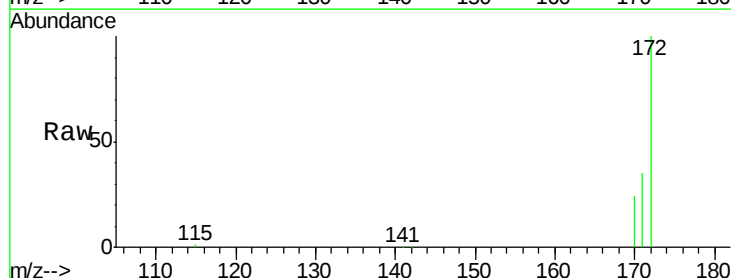
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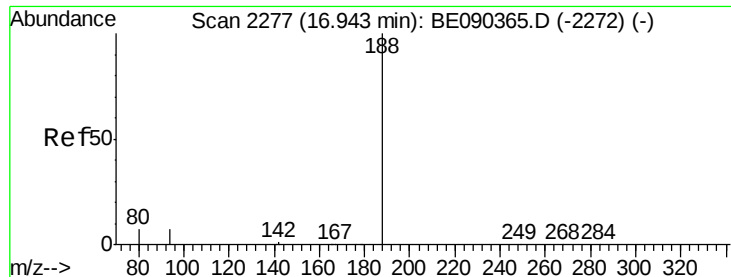
Tgt Ion: 330 Resp: 21026
 Ion Ratio Lower Upper
 330 100
 332 97.4 75.8 113.6
 141 167.9 114.4 171.6



#14
 2-Fluorobiphenyl
 Concen: 3.67 ng
 RT: 12.82 min Scan# 1827
 Delta R.T. -0.01 min
 Lab File: BE090509.D
 Acq: 13 Aug 2015 20:38

Tgt Ion: 172 Resp: 63185
 Ion Ratio Lower Upper
 172 100
 171 35.3 28.5 42.7
 170 23.8 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: BE090509.D

Acq: 13 Aug 2015 20:38

Instrument :

BNA_E

ClientSampleId :

081215-D534-F-D-S

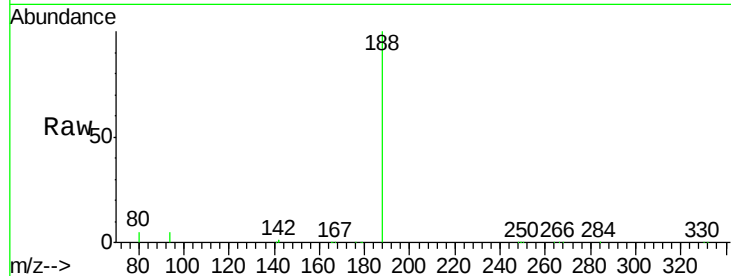
Tgt Ion:188 Resp: 138044

Ion Ratio Lower Upper

188 100

94 5.4 5.7 8.5#

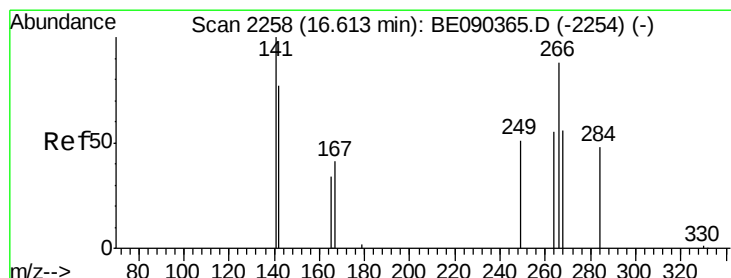
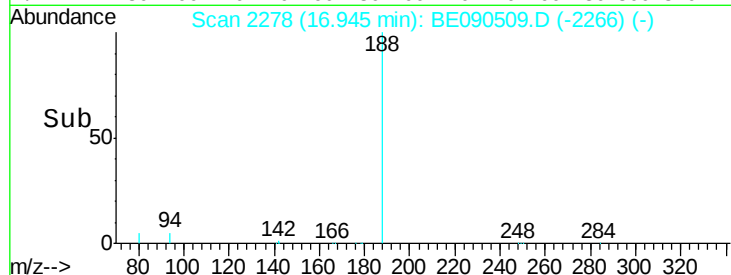
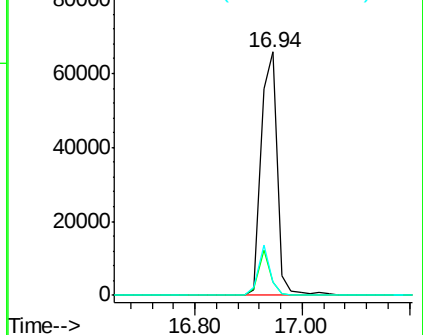
80 5.4 5.8 8.8#



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: 0.10 ng

RT: 16.61 min Scan# 2259

Delta R.T. 0.00 min

Lab File: BE090509.D

Acq: 13 Aug 2015 20:38

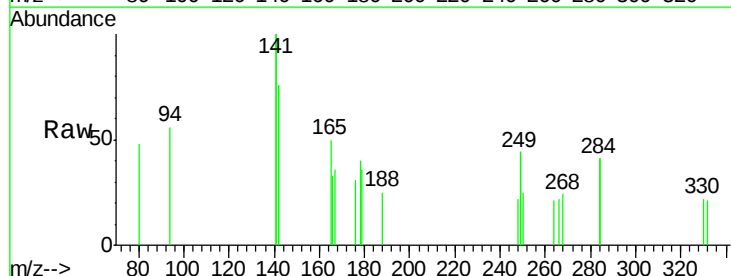
Tgt Ion:266 Resp: 14

Ion Ratio Lower Upper

266 100

268 105.8 58.5 87.7#

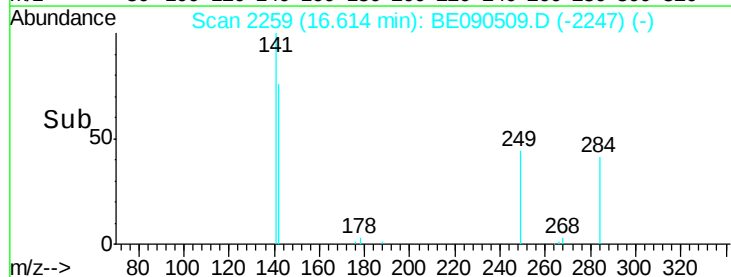
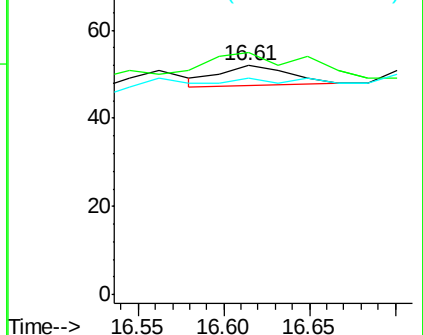
264 94.2 56.0 84.0#

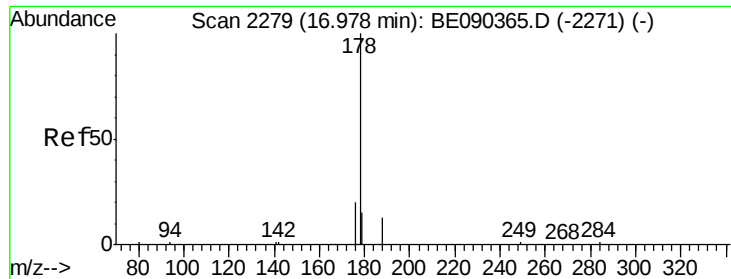


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#22

Phenanthrene

Concen: 0.03 ng

RT: 16.98 min Scan# 2280

Delta R.T. 0.00 min

Lab File: BE090509.D

Acq: 13 Aug 2015 20:38

Instrument :

BNA_E

ClientSampleId :

081215-D534-F-D-S

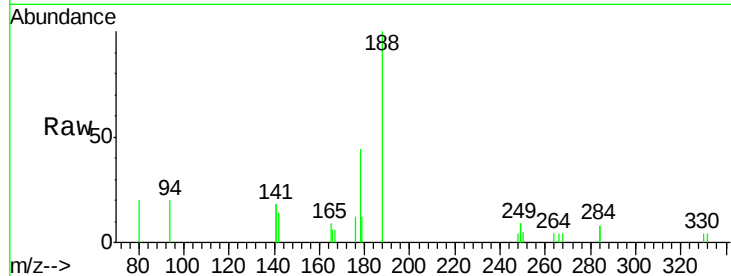
Tgt Ion:178 Resp: 905

Ion Ratio Lower Upper

178 100

176 19.3 15.4 23.2

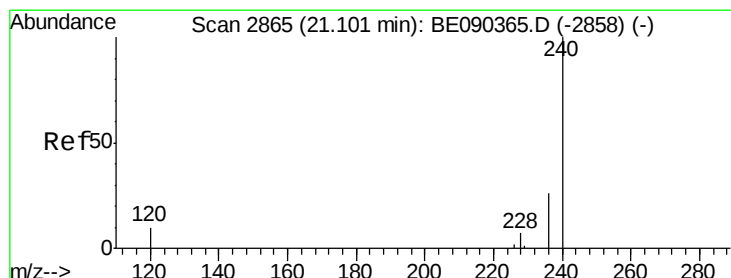
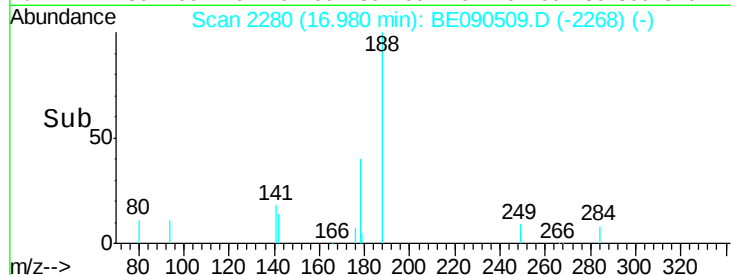
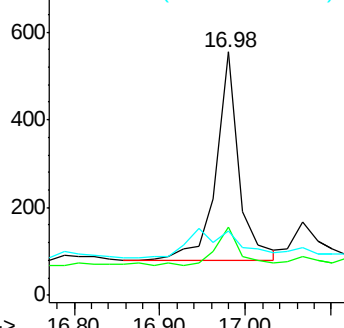
179 0.0 12.5 18.7#



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#25

Chrysene-d12

Concen: 5.00 ng

RT: 21.09 min Scan# 2864

Delta R.T. -0.01 min

Lab File: BE090509.D

Acq: 13 Aug 2015 20:38

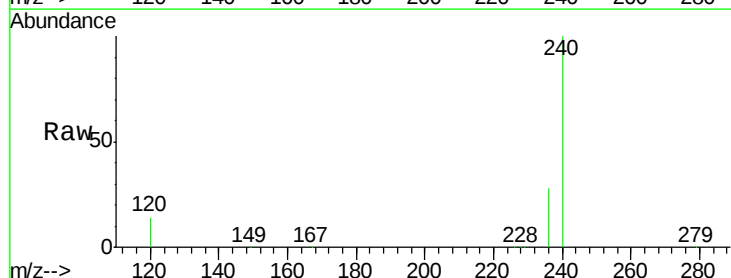
Tgt Ion:240 Resp: 142693

Ion Ratio Lower Upper

240 100

120 14.4 8.3 12.5#

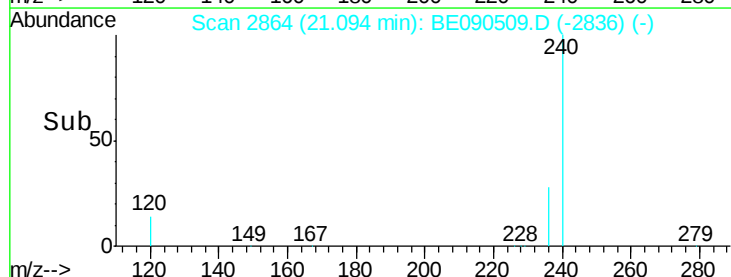
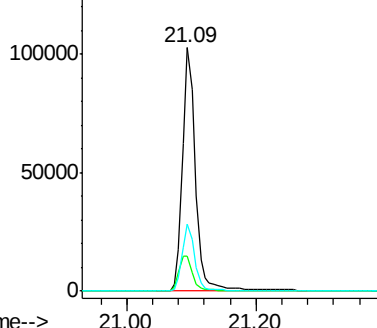
236 27.6 21.0 31.4

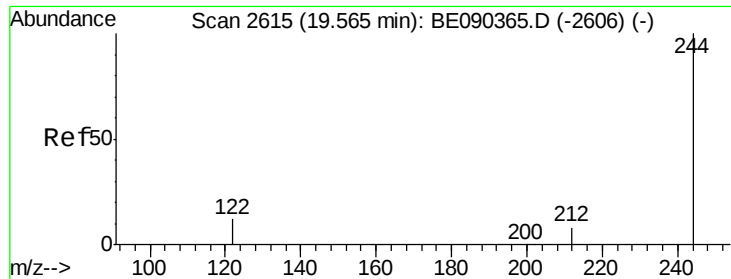


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

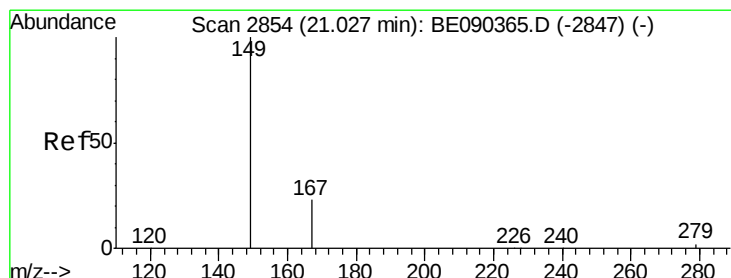
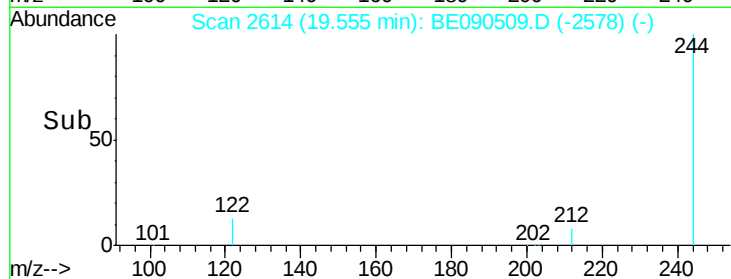
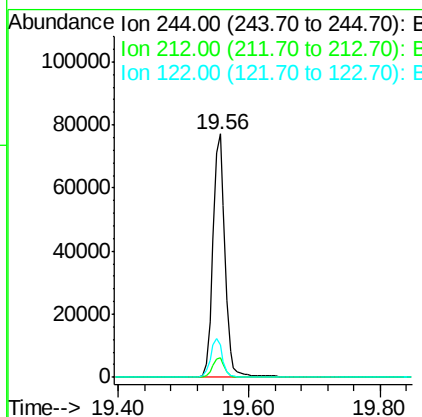
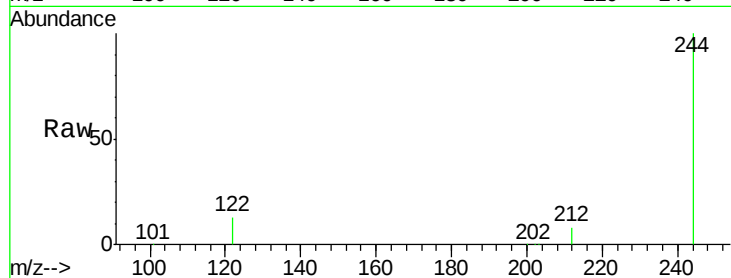




#27
 Terphenyl-d14
 Concen: 4.76 ng
 RT: 19.56 min Scan# 2614
 Delta R.T. -0.01 min
 Lab File: BE090509.D
 Acq: 13 Aug 2015 20:38

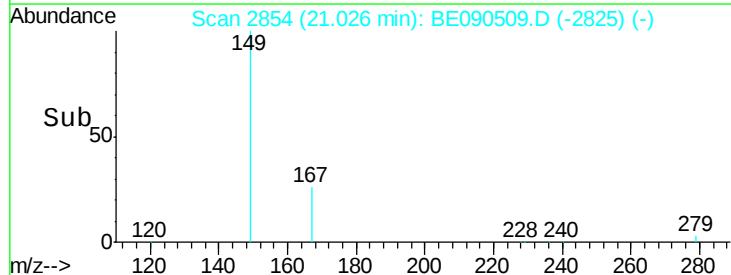
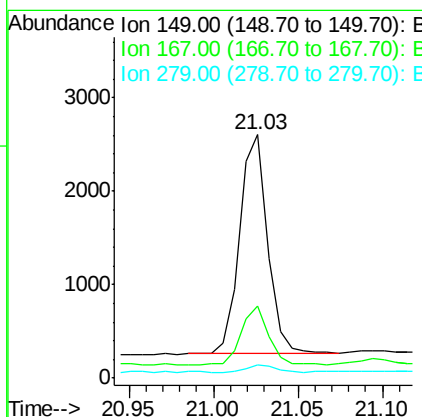
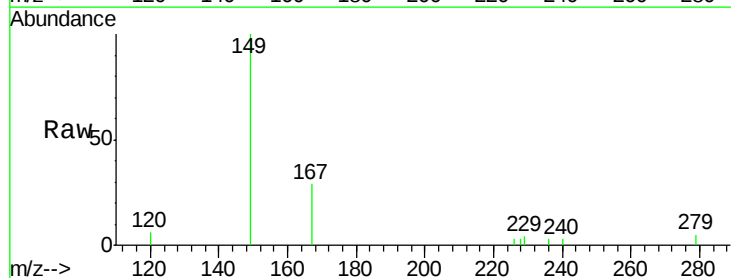
Instrument :
 BNA_E
 ClientSampleId :
 081215-D534-F-D-S

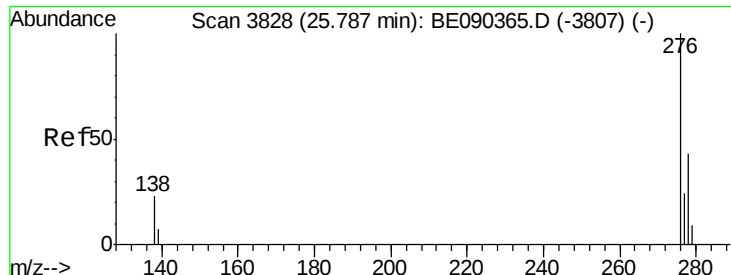
Tgt Ion:244 Resp: 100089
 Ion Ratio Lower Upper
 244 100
 212 8.0 6.6 9.8
 122 13.2 10.2 15.4



#30
 Bis(2-ethylhexyl)phthalate
 Concen: 0.46 ng
 RT: 21.03 min Scan# 2854
 Delta R.T. 0.00 min
 Lab File: BE090509.D
 Acq: 13 Aug 2015 20:38

Tgt Ion:149 Resp: 2687
 Ion Ratio Lower Upper
 149 100
 167 25.9 19.8 29.8
 279 3.6 2.4 3.6





#31

Indeno(1,2,3-cd)pyrene

Concen: 0.26 ng

RT: 25.79 min Scan# 3830

Delta R.T. 0.00 min

Lab File: BE090509.D

Acq: 13 Aug 2015 20:38

Instrument :

BNA_E

ClientSampleId :

081215-D534-F-D-S

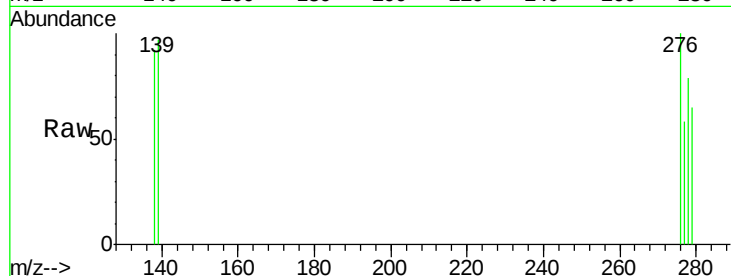
Tgt Ion:276 Resp: 299

Ion Ratio Lower Upper

276 100

138 19.4 18.8 28.2

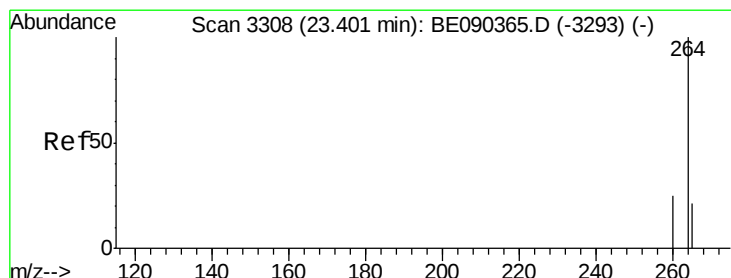
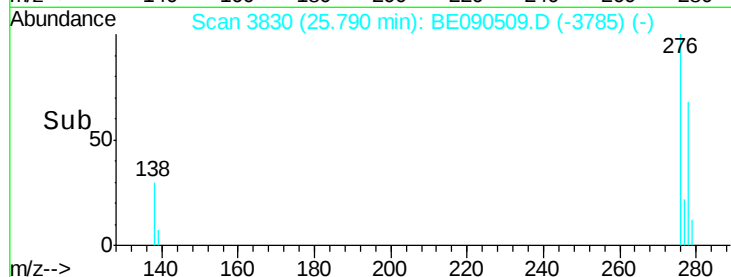
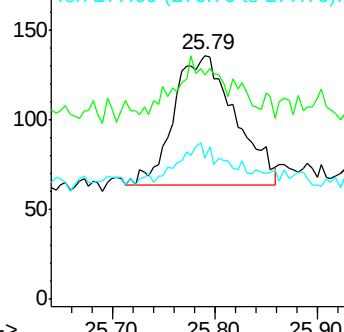
277 20.1 18.2 27.4



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: BE090509.D

Acq: 13 Aug 2015 20:38

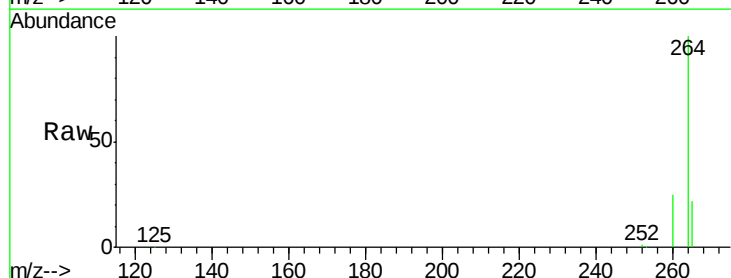
Tgt Ion:264 Resp: 130382

Ion Ratio Lower Upper

264 100

260 24.8 20.1 30.1

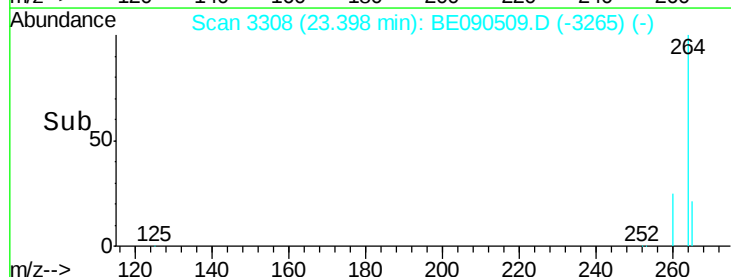
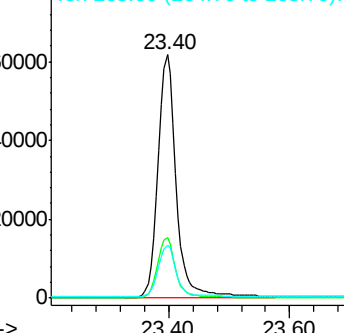
265 21.9 17.2 25.8

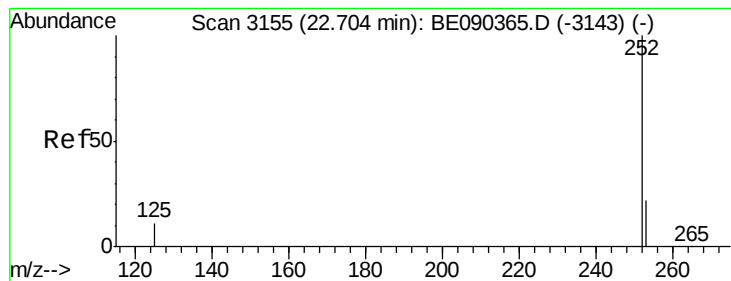


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#33

Benzo(b)fluoranthene

Concen: 0.20 ng

RT: 22.70 min Scan# 3155

Delta R.T. -0.00 min

Lab File: BE090509.D

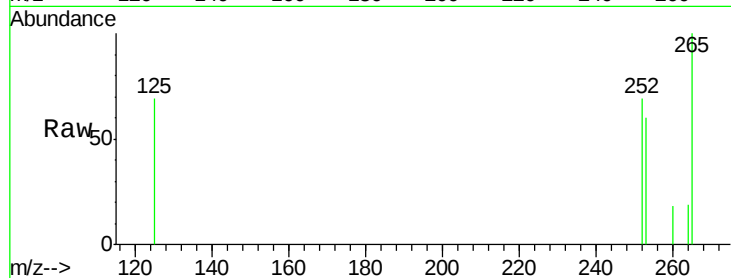
Acq: 13 Aug 2015 20:38

Instrument :

BNA_E

ClientSampleId :

081215-D534-F-D-S



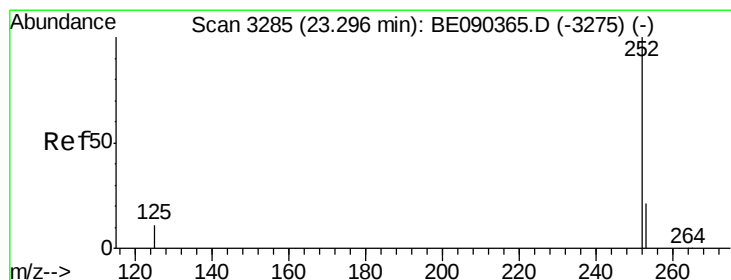
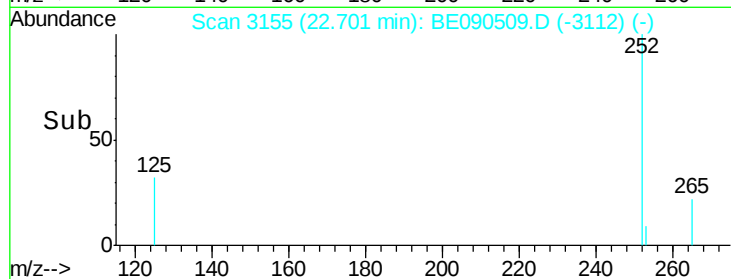
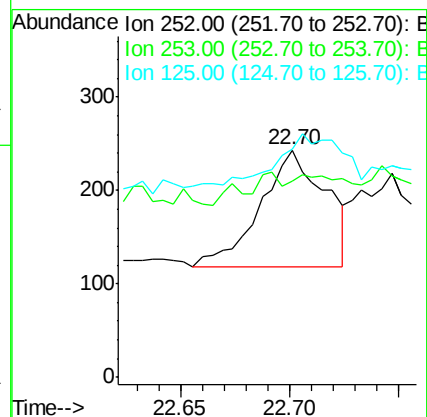
Tgt Ion:252 Resp: 261

Ion Ratio Lower Upper

252 100

253 86.4 18.1 27.1#

125 100.4 9.4 14.2#



#35

Benzo(a)pyrene

Concen: 0.23 ng

RT: 23.29 min Scan# 3285

Delta R.T. -0.00 min

Lab File: BE090509.D

Acq: 13 Aug 2015 20:38

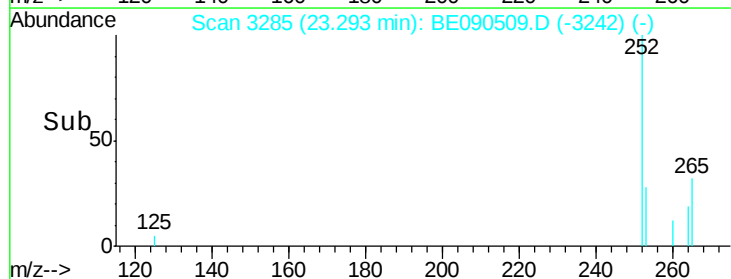
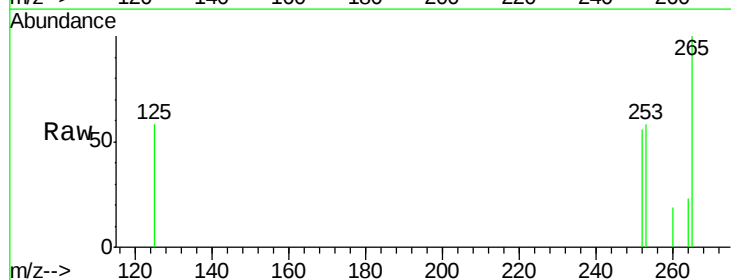
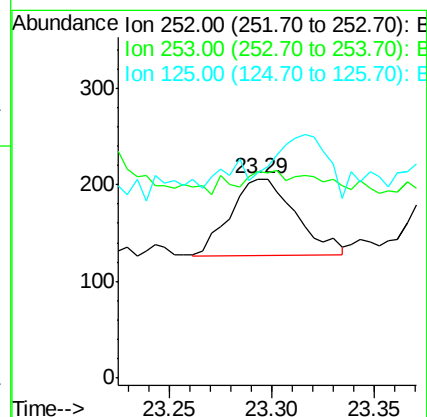
Tgt Ion:252 Resp: 176

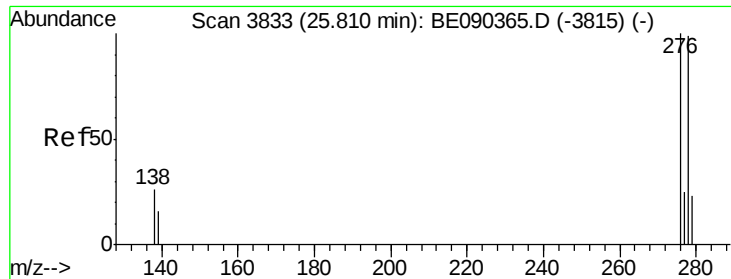
Ion Ratio Lower Upper

252 100

253 103.9 17.6 26.4#

125 103.4 9.8 14.6#





#36

Dibenzo(a,h)anthracene

Concen: 0.29 ng

RT: 25.81 min Scan# 3834

Delta R.T. -0.00 min

Lab File: BE090509.D

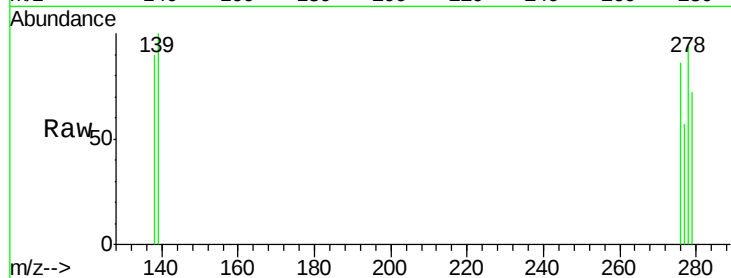
Acq: 13 Aug 2015 20:38

Instrument :

BNA_E

ClientSampleId :

081215-D534-F-D-S



Tgt Ion: 278 Resp: 216

Ion Ratio Lower Upper

278 100

139 106.3 14.2 21.4#

279 77.0 20.1 30.1#

