

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE080515\
 Data File : BE090387.D
 Acq On : 6 Aug 2015 13:34
 Operator : TP/UM
 Sample : G3180-07RE
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 080315-D506-E-U-BRE

Quant Time: Aug 06 15:48:51 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	7.59	152	22439	5.00	ng	0.00
6) Naphthalene-d8	10.34	136	98722	5.00	ng	0.00
12) Acenaphthene-d10	14.20	164	58160	5.00	ng	0.00
18) Phenanthrene-d10	16.94	188	127781	5.00	ng	0.00
25) Chrysene-d12	21.10	240	159435	5.00	ng	0.00
32) Perylene-d12	23.40	264	152235	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.22	112	11103	3.30	ng	0.00
5) Phenol-d6	6.77	99	9492	1.51	ng	0.00
7) Nitrobenzene-d5	8.73	82	26773	3.40	ng	0.00
13) 2,4,6-Tribromophenol	15.71	330	13943	7.89	ng	0.00
14) 2-Fluorobiphenyl	12.82	172	68619	4.29	ng	0.00
27) Terphenyl-d14	19.56	244	134441	5.72	ng	0.00

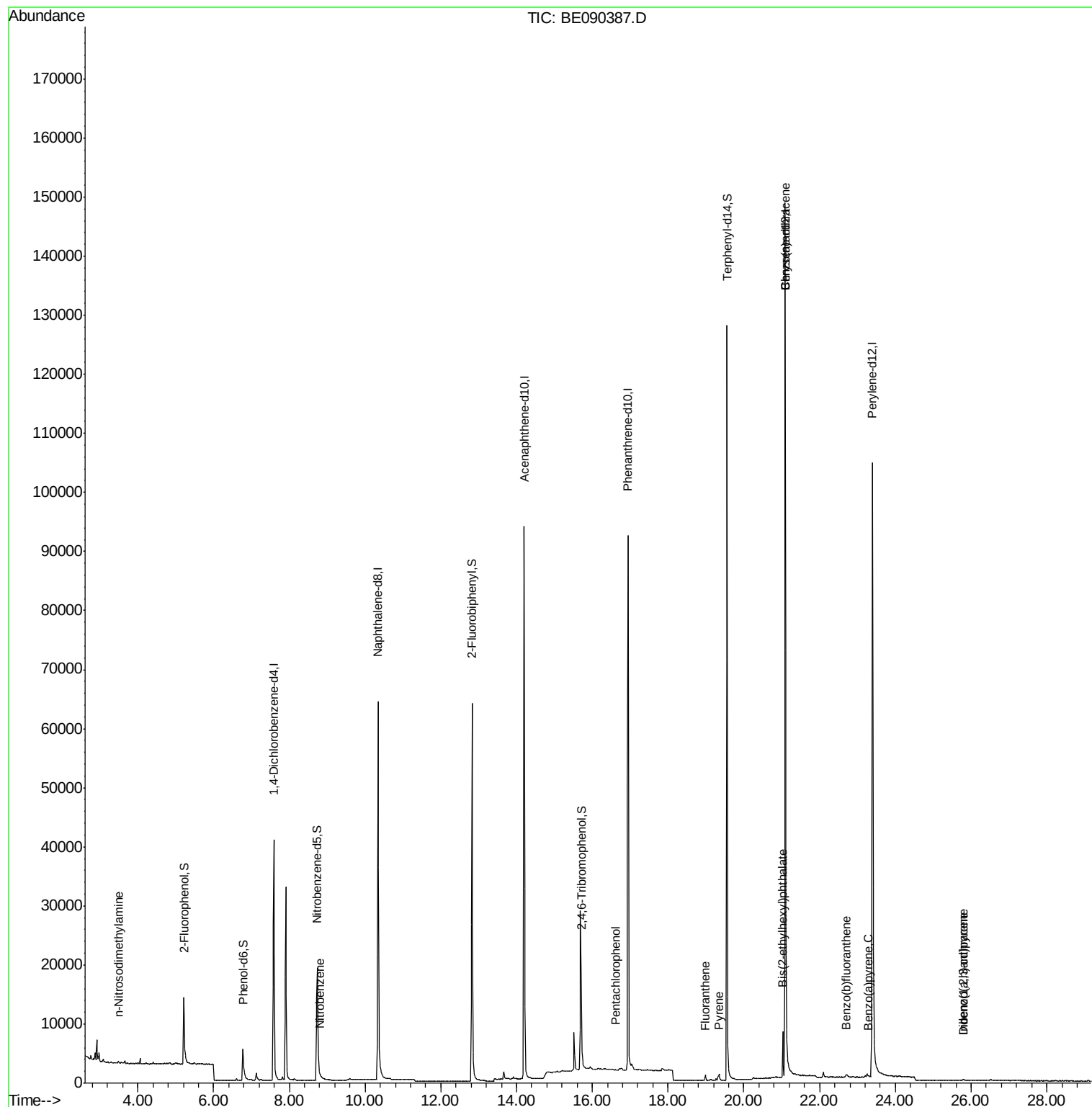
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.20	88	82	Below Cal	#	1
3) n-Nitrosodimethylamine	3.49	42	83	0.02 ng	#	1
8) Nitrobenzene	8.81	77	14	0.21 ng	#	69
10) Hexachlorobutadiene	10.68	225	1	Below Cal	#	1
21) Pentachlorophenol	16.61	266	10	0.10 ng	#	66
24) Fluoranthene	18.99	202	872	0.03 ng	#	91
26) Pyrene	19.35	202	1027	0.03 ng	#	95
28) Benzo(a)anthracene	21.09	228	1097	0.03 ng	#	77
30) Bis(2-ethylhexyl)phthalate	21.03	149	7447	0.93 ng	#	96
31) Indeno(1,2,3-cd)pyrene	25.78	276	406	0.26 ng	#	83
33) Benzo(b)fluoranthene	22.70	252	821	0.22 ng	#	19
35) Benzo(a)pyrene	23.30	252	436	0.24 ng	#	1
36) Dibenzo(a,h)anthracene	25.81	278	95	0.29 ng	#	1

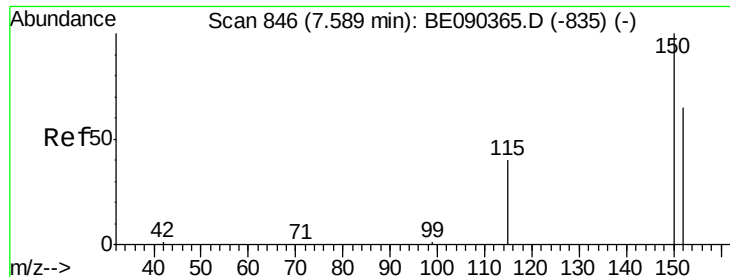
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.59 min Scan# 846

Delta R.T. -0.00 min

Lab File: BE090387.D

Acq: 6 Aug 2015 13:34

Instrument :

BNA_E

ClientSampleId :

080315-D506-E-U-BRE

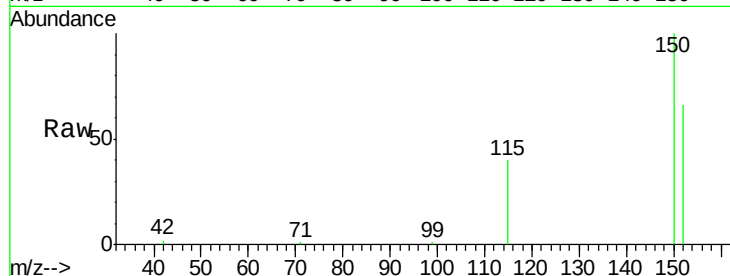
Tgt Ion: 152 Resp: 22439

Ion Ratio Lower Upper

152 100

150 151.1 123.0 184.4

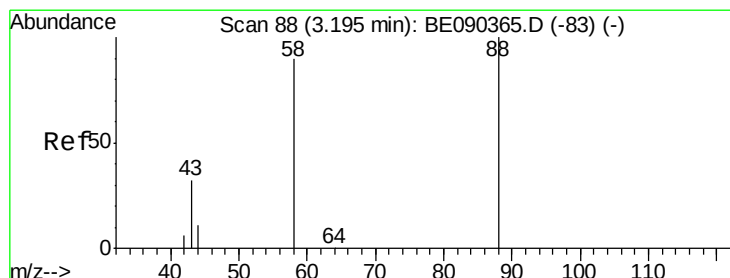
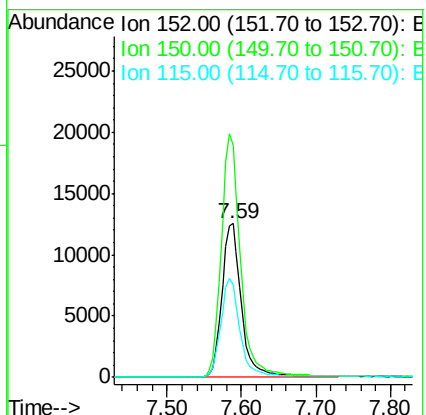
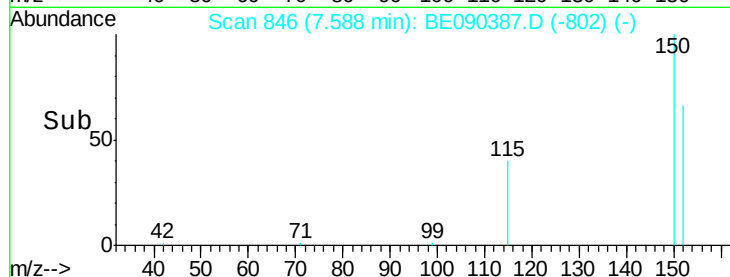
115 60.1 48.9 73.3



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: 3.20 min Scan# 89

Delta R.T. 0.01 min

Lab File: BE090387.D

Acq: 6 Aug 2015 13:34

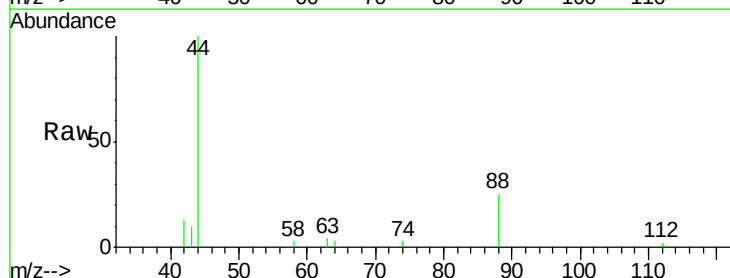
Tgt Ion: 88 Resp: 82

Ion Ratio Lower Upper

88 100

58 47.6 70.0 105.0#

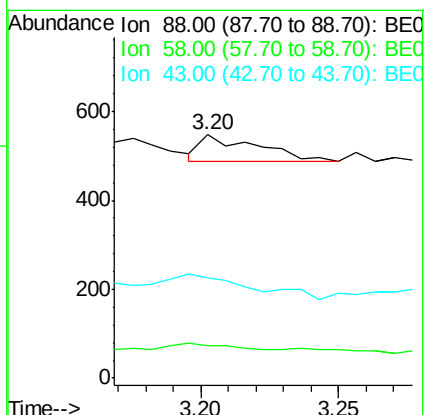
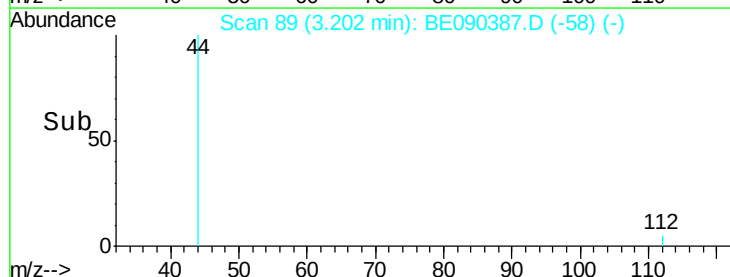
43 195.1 28.4 42.6#

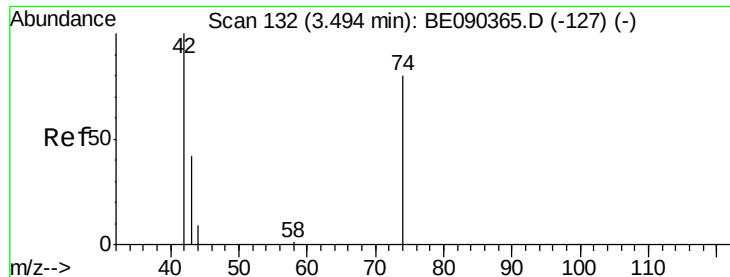


Abundance Ion 88.00 (87.70 to 88.70): BE0

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: BE090387.D

Acq: 6 Aug 2015 13:34

Instrument :

BNA_E

ClientSampleId :

080315-D506-E-U-BRE

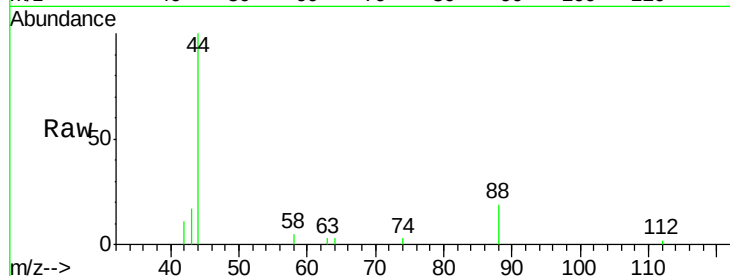
Tgt Ion: 42 Resp: 83

Ion Ratio Lower Upper

42 100

74 7.2 75.2 112.8#

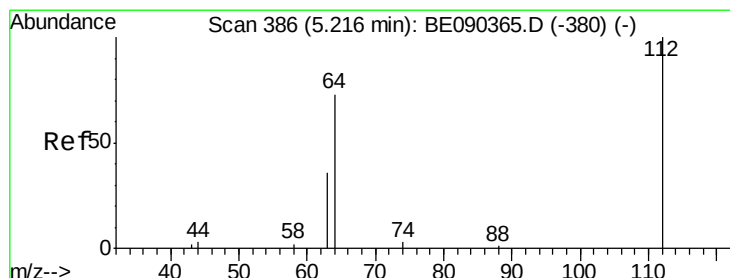
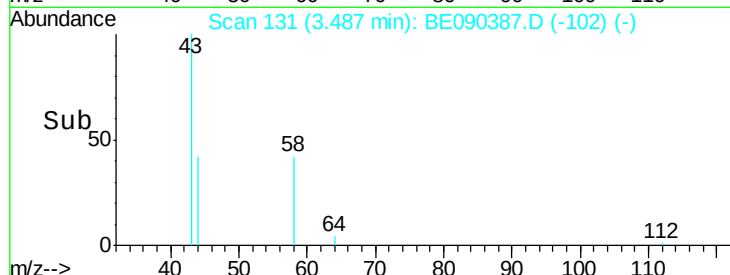
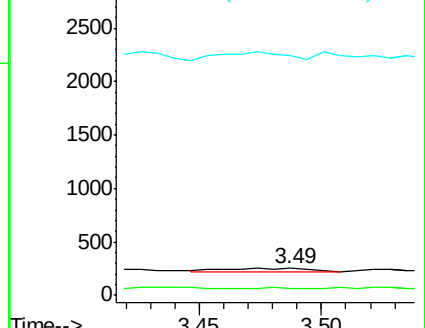
44 179.5 8.7 13.1#



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: 3.30 ng

RT: 5.22 min Scan# 386

Delta R.T. 0.00 min

Lab File: BE090387.D

Acq: 6 Aug 2015 13:34

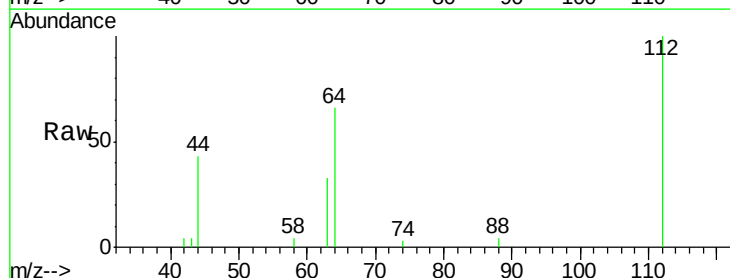
Tgt Ion: 112 Resp: 11103

Ion Ratio Lower Upper

112 100

64 71.3 37.1 55.7#

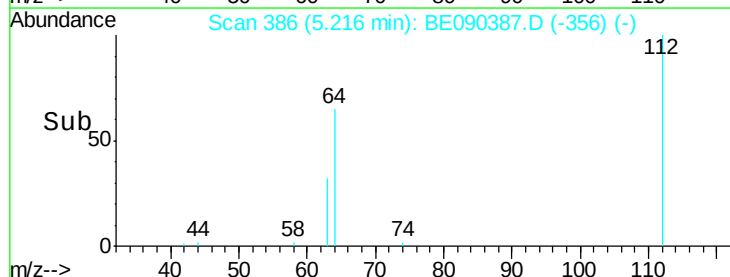
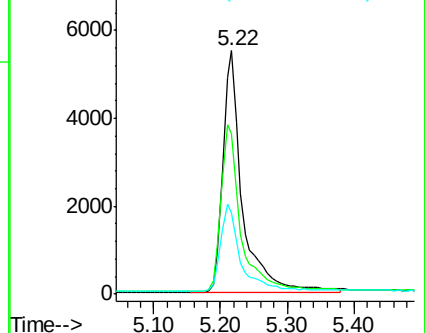
63 36.9 19.5 29.3#

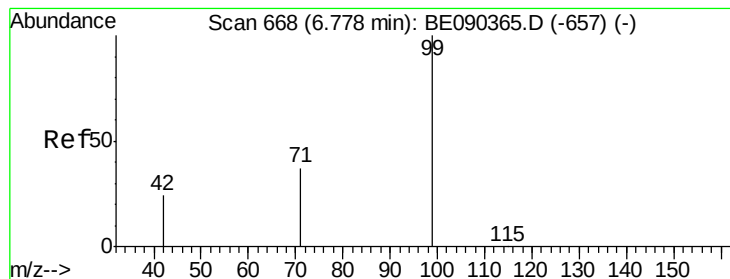


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 1.51 ng

RT: 6.77 min Scan# 667

Delta R.T. -0.00 min

Lab File: BE090387.D

Acq: 6 Aug 2015 13:34

Instrument :

BNA_E

ClientSampleId :

080315-D506-E-U-BRE

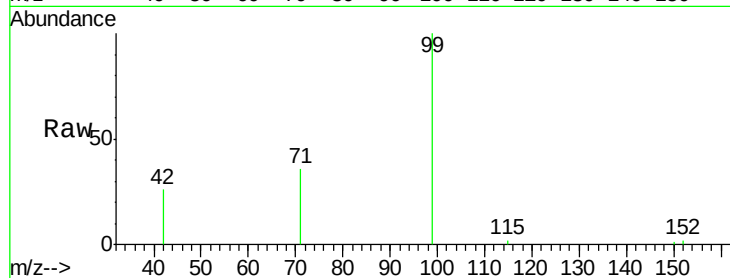
Tgt Ion: 99 Resp: 9492

Ion Ratio Lower Upper

99 100

42 22.6 18.2 27.4

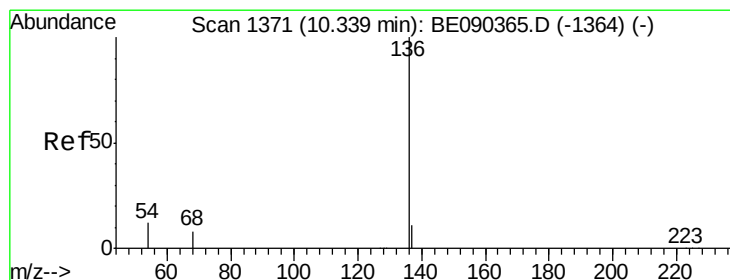
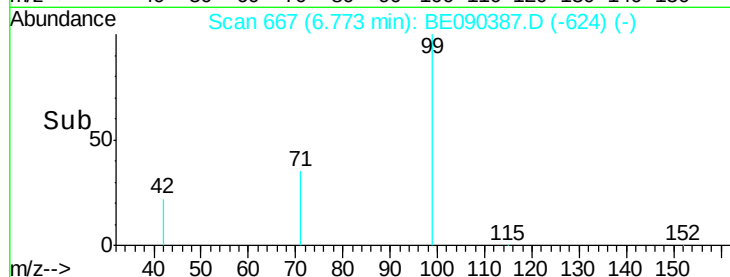
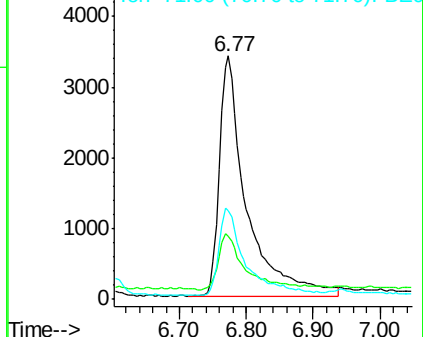
71 36.3 27.4 41.0



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: BE090387.D

Acq: 6 Aug 2015 13:34

Tgt Ion: 136 Resp: 98722

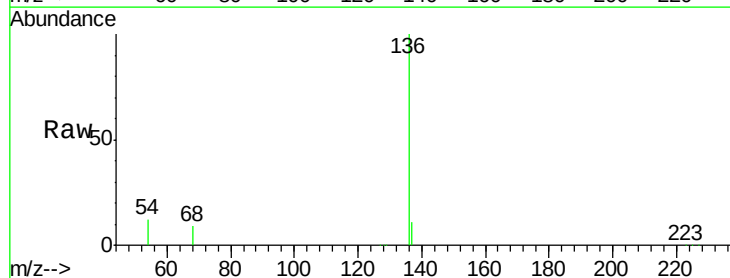
Ion Ratio Lower Upper

136 100

137 10.9 8.7 13.1

54 11.9 9.4 14.0

68 8.6 6.5 9.7

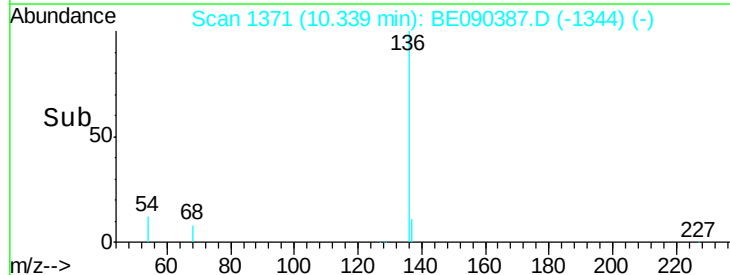
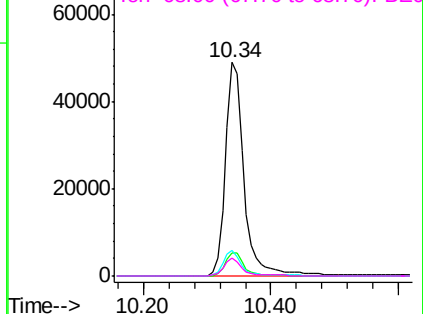


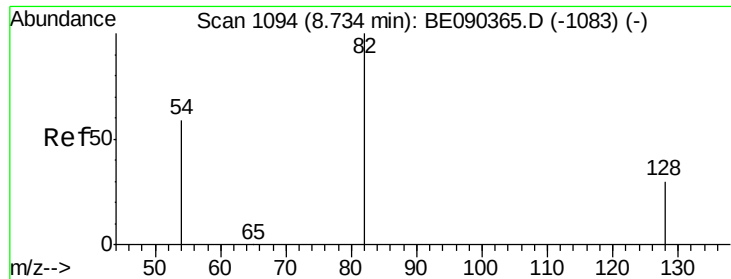
Abundance Ion 136.00 (135.70 to 136.70): E

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: 3.40 ng

RT: 8.73 min Scan# 1093

Delta R.T. -0.00 min

Lab File: BE090387.D

Acq: 6 Aug 2015 13:34

Instrument :

BNA_E

ClientSampleId :

080315-D506-E-U-BRE

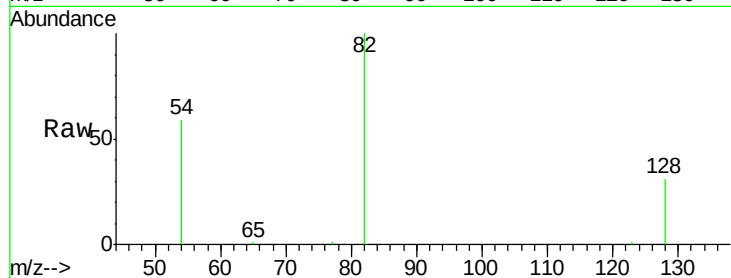
Tgt Ion: 82 Resp: 26773

Ion Ratio Lower Upper

82 100

128 30.7 25.0 37.6

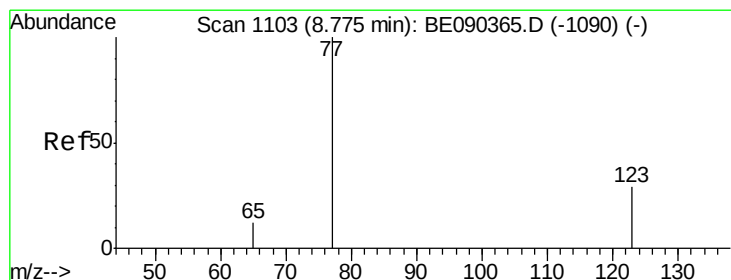
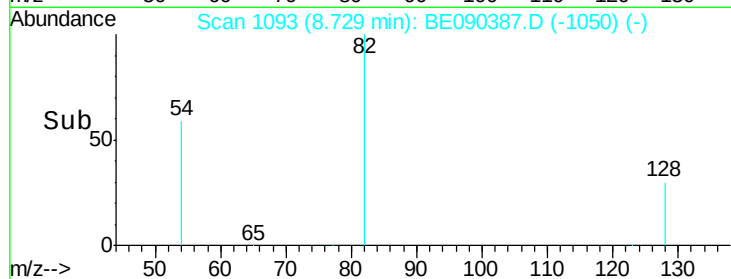
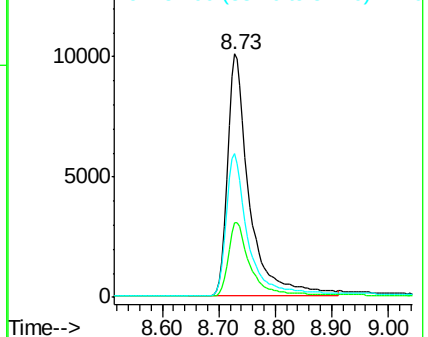
54 59.1 48.8 73.2



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: BE090387.D

Acq: 6 Aug 2015 13:34

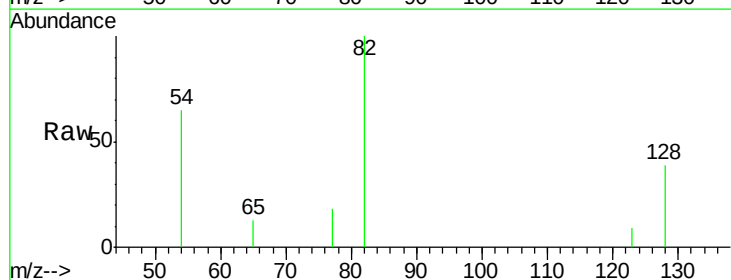
Tgt Ion: 77 Resp: 14

Ion Ratio Lower Upper

77 100

123 14.3 25.1 37.7#

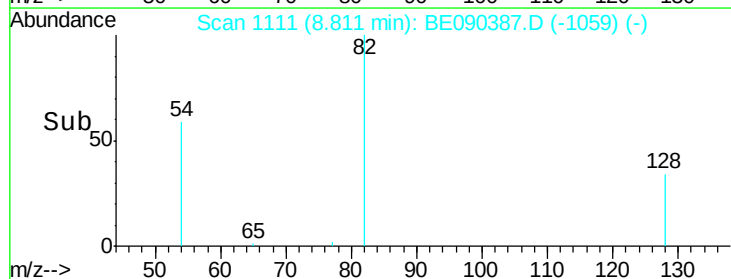
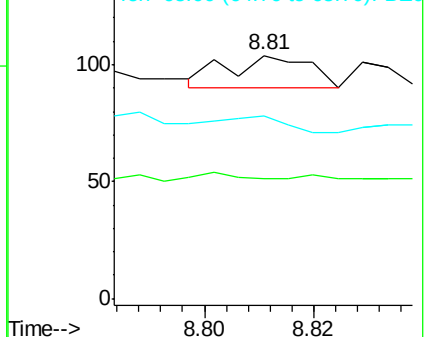
65 0.0 9.3 13.9#

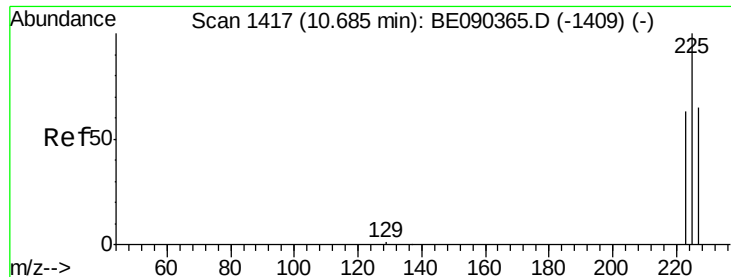


Abundance Ion 77.00 (76.70 to 77.70): BE0

Ion 123.00 (122.70 to 123.70): BE0

Ion 65.00 (64.70 to 65.70): BE0





#10

Hexachlorobutadiene

Concen: Below Cal

RT: 10.68 min Scan# 1416

Delta R.T. -0.01 min

Lab File: BE090387.D

Acq: 6 Aug 2015 13:34

Instrument :

BNA_E

ClientSampleId :

080315-D506-E-U-BRE

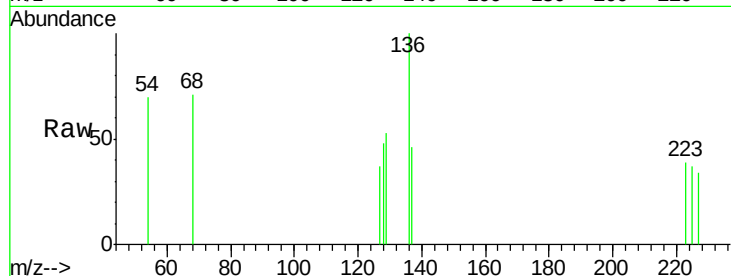
Tgt Ion: 225 Resp: 1

Ion Ratio Lower Upper

225 100

223 400.0 50.6 75.8#

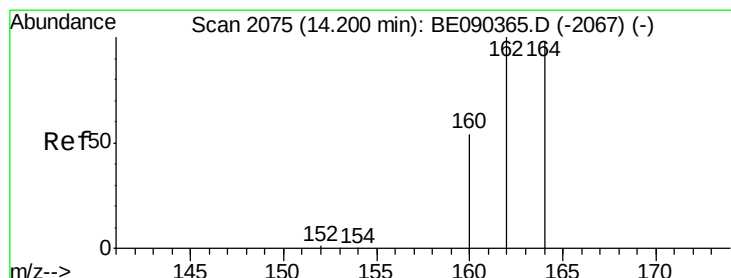
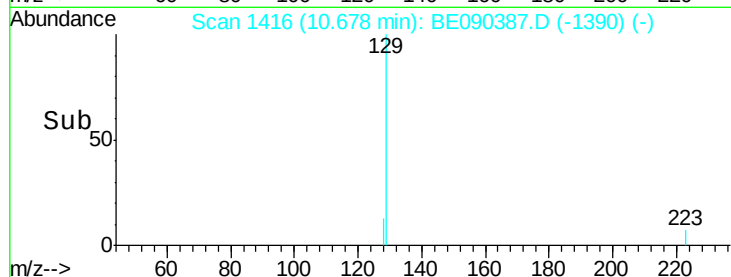
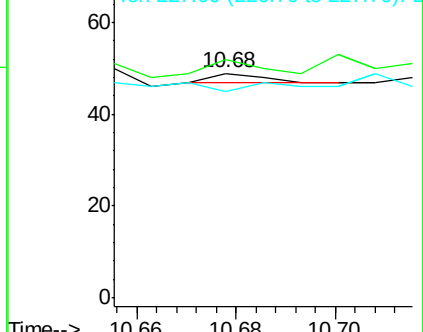
227 0.0 50.7 76.1#



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: 14.20 min Scan# 2075

Delta R.T. -0.00 min

Lab File: BE090387.D

Acq: 6 Aug 2015 13:34

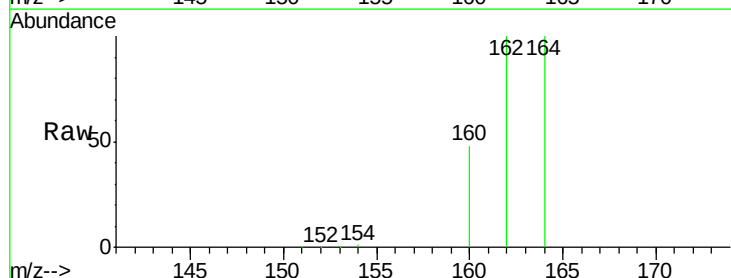
Tgt Ion: 164 Resp: 58160

Ion Ratio Lower Upper

164 100

162 100.2 81.8 122.8

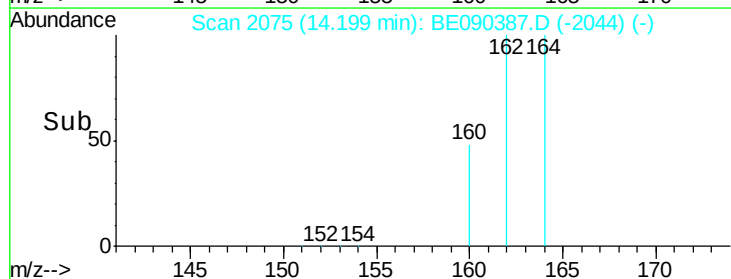
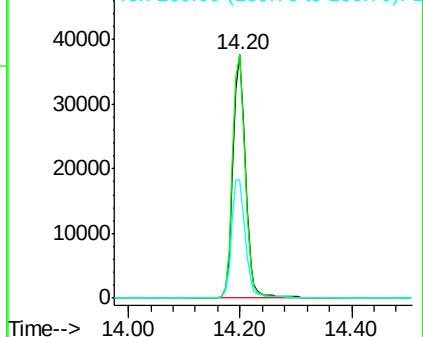
160 48.4 44.2 66.4

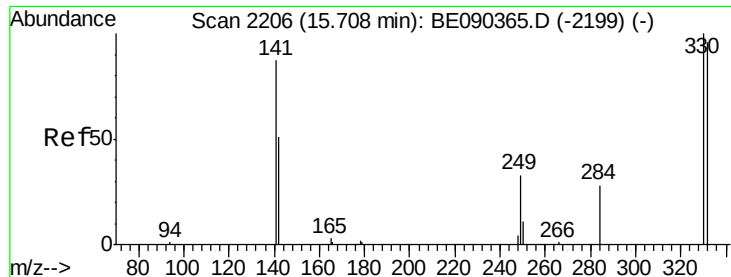


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

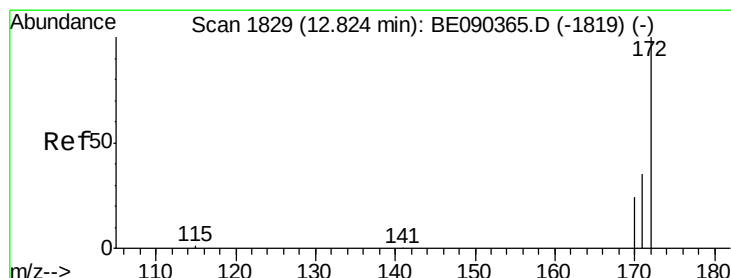
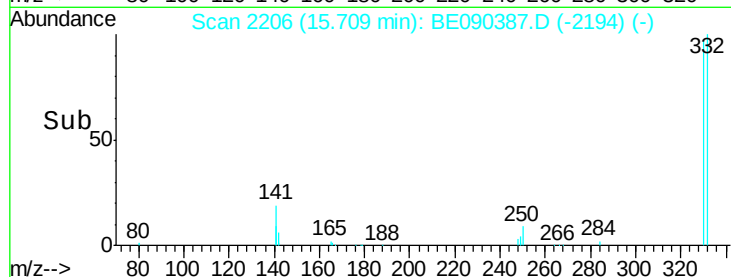
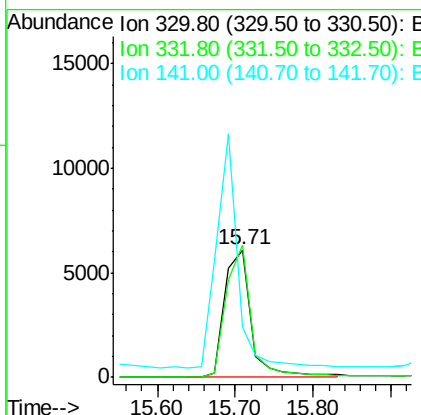
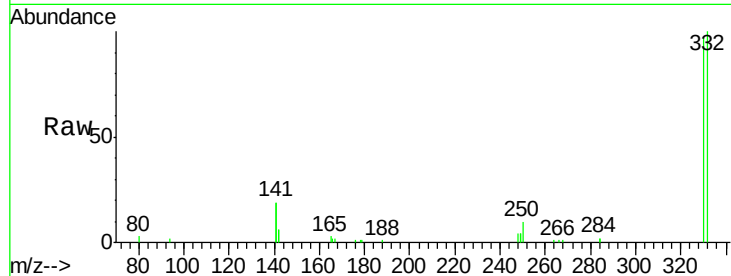




#13
 2,4,6-Tribromophenol
 Concen: 7.89 ng
 RT: 15.71 min Scan# 2206
 Delta R.T. 0.00 min
 Lab File: BE090387.D
 Acq: 6 Aug 2015 13:34

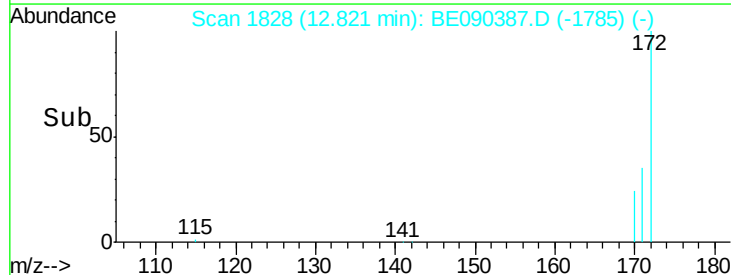
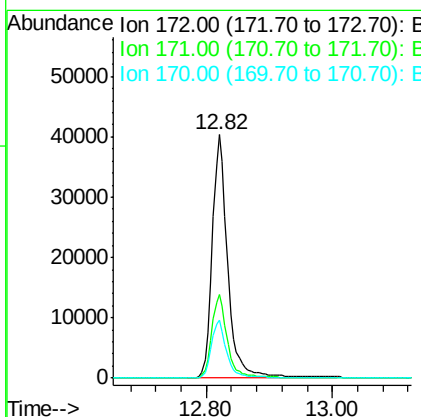
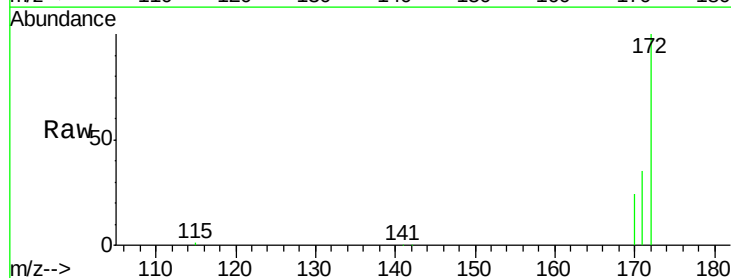
Instrument :
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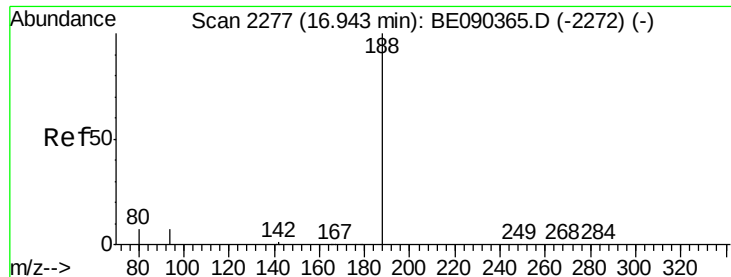
Tgt Ion:330 Resp: 13943
 Ion Ratio Lower Upper
 330 100
 332 97.6 75.8 113.6
 141 150.9 114.4 171.6



#14
 2-Fluorobiphenyl
 Concen: 4.29 ng
 RT: 12.82 min Scan# 1828
 Delta R.T. -0.00 min
 Lab File: BE090387.D
 Acq: 6 Aug 2015 13:34

Tgt Ion:172 Resp: 68619
 Ion Ratio Lower Upper
 172 100
 171 34.6 28.5 42.7
 170 23.6 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: BE090387.D

Acq: 6 Aug 2015 13:34

Instrument :

BNA_E

ClientSampleId :

080315-D506-E-U-BRE

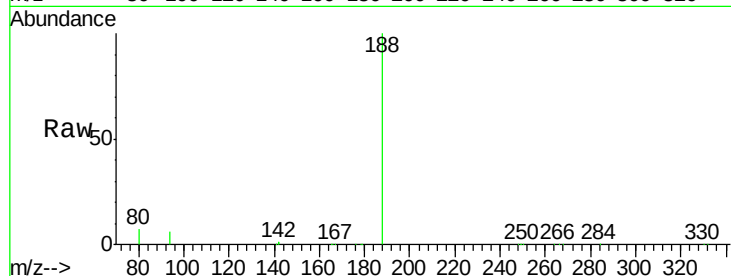
Tgt Ion:188 Resp: 127781

Ion Ratio Lower Upper

188 100

94 6.4 5.7 8.5

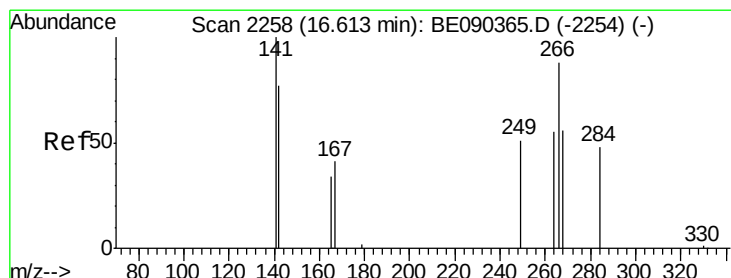
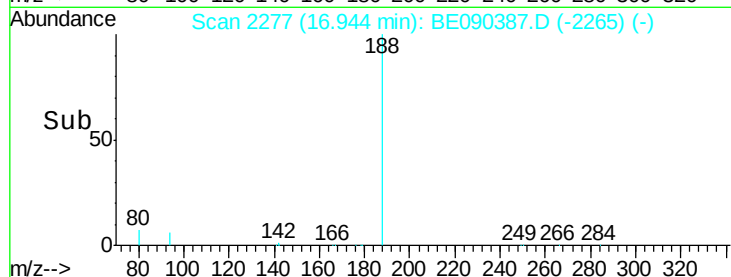
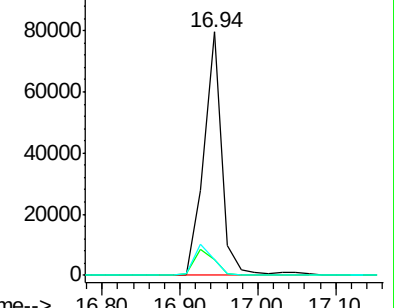
80 6.7 5.8 8.8



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: 0.10 ng

RT: 16.61 min Scan# 2258

Delta R.T. 0.00 min

Lab File: BE090387.D

Acq: 6 Aug 2015 13:34

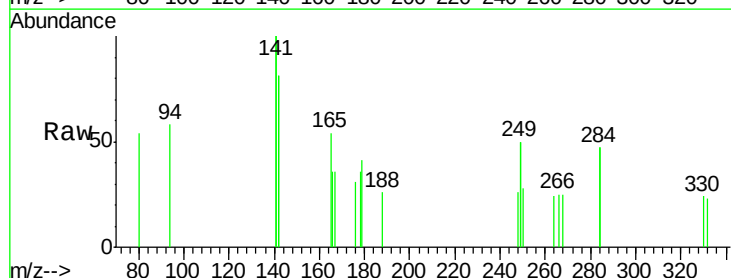
Tgt Ion:266 Resp: 10

Ion Ratio Lower Upper

266 100

268 102.0 58.5 87.7#

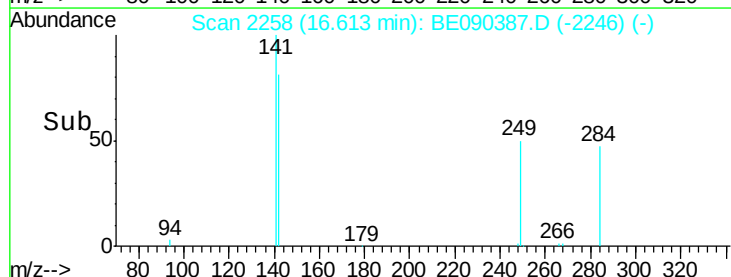
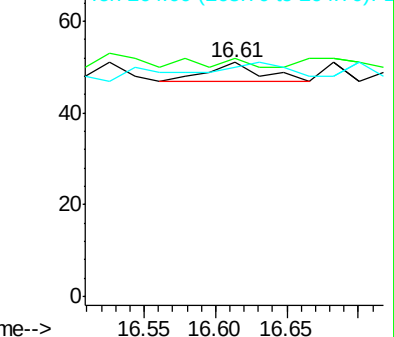
264 98.0 56.0 84.0#

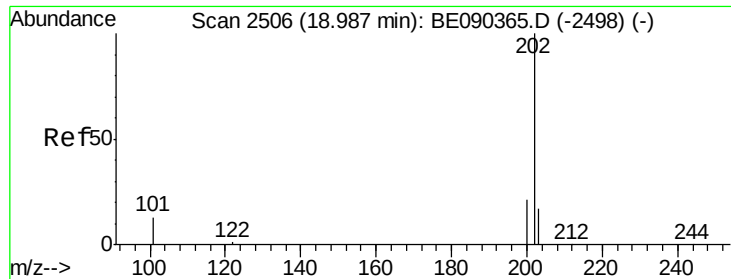


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#24

Fluoranthene

Concen: 0.03 ng

RT: 18.99 min Scan# 2506

Delta R.T. -0.00 min

Lab File: BE090387.D

Acq: 6 Aug 2015 13:34

Instrument :

BNA_E

ClientSampleId :

080315-D506-E-U-BRE

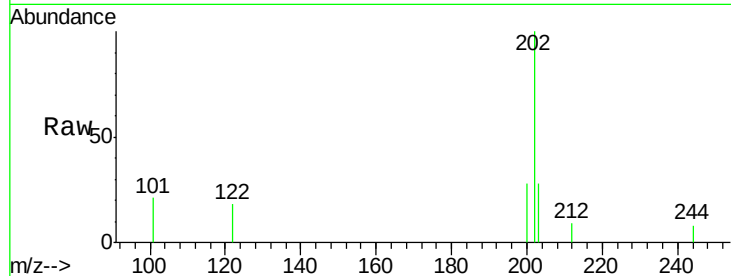
Tgt Ion:202 Resp: 872

Ion Ratio Lower Upper

202 100

101 15.7 10.3 15.5#

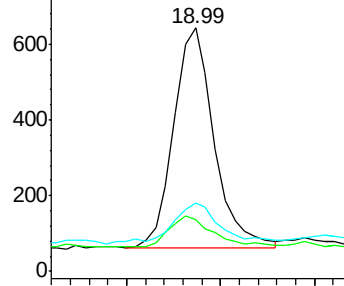
203 21.3 13.7 20.5#



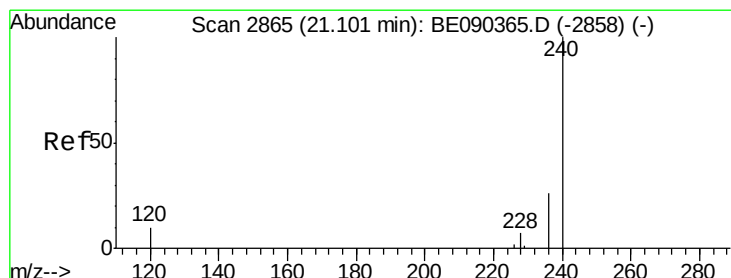
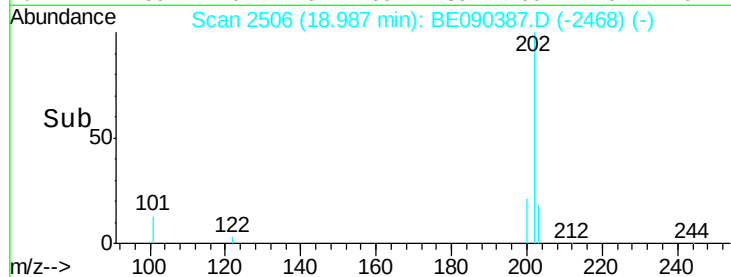
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->



#25

Chrysene-d12

Concen: 5.00 ng

RT: 21.10 min Scan# 2865

Delta R.T. -0.00 min

Lab File: BE090387.D

Acq: 6 Aug 2015 13:34

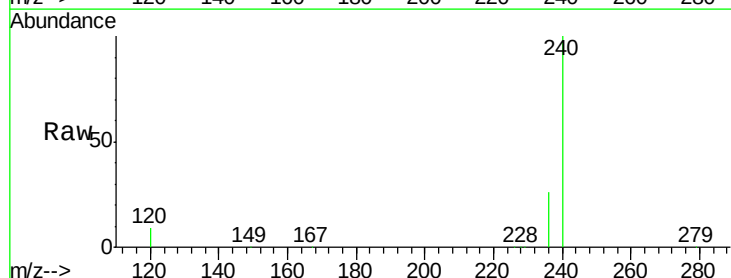
Tgt Ion:240 Resp: 159435

Ion Ratio Lower Upper

240 100

120 8.6 8.3 12.5

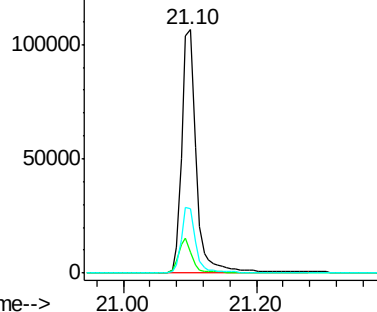
236 26.3 21.0 31.4



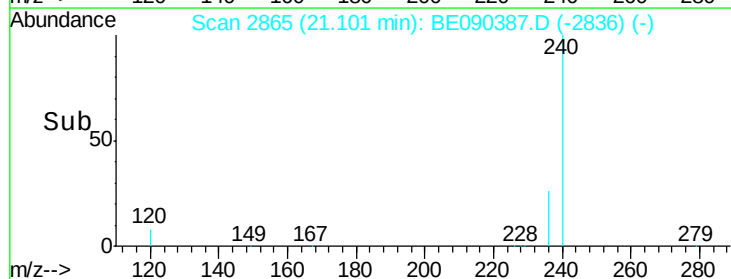
Abundance Ion 240.00 (239.70 to 240.70): E

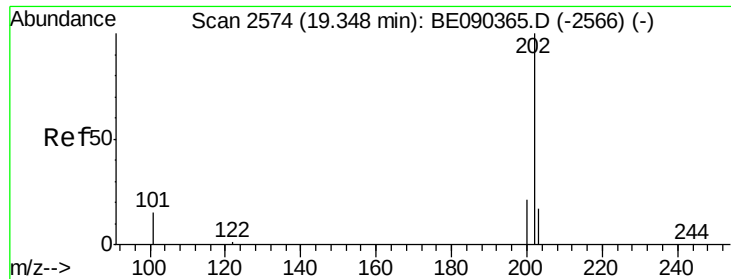
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time-->

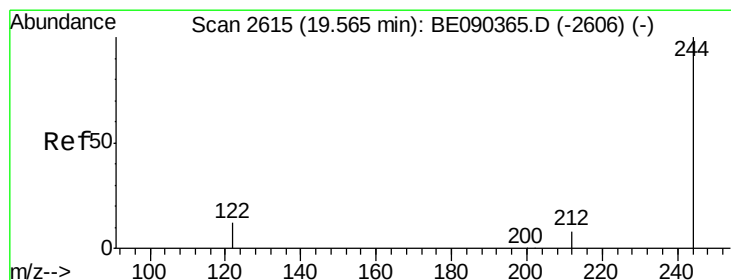
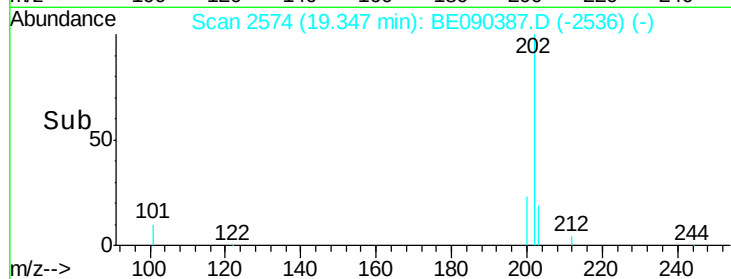
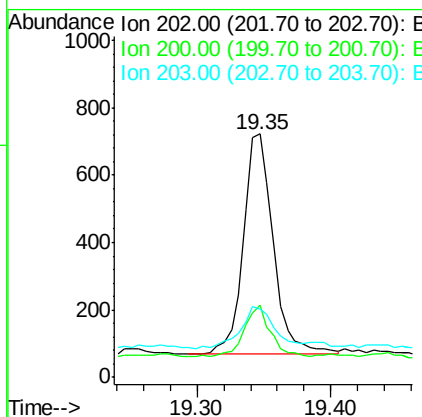
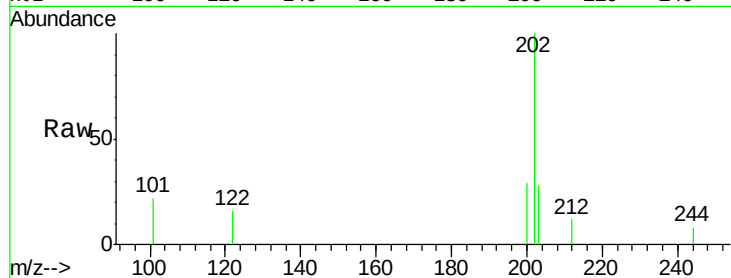




#26
 Pyrene
 Concen: 0.03 ng
 RT: 19.35 min Scan# 2574
 Delta R.T. -0.00 min
 Lab File: BE090387.D
 Acq: 6 Aug 2015 13:34

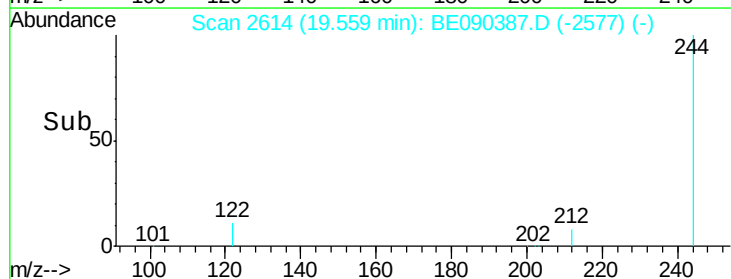
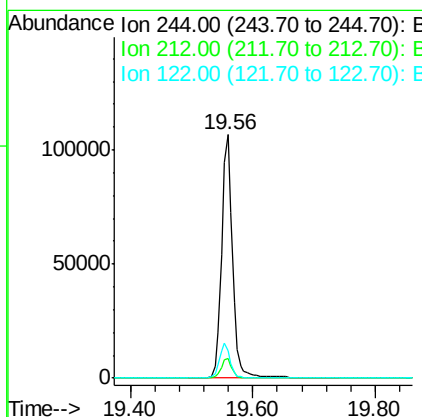
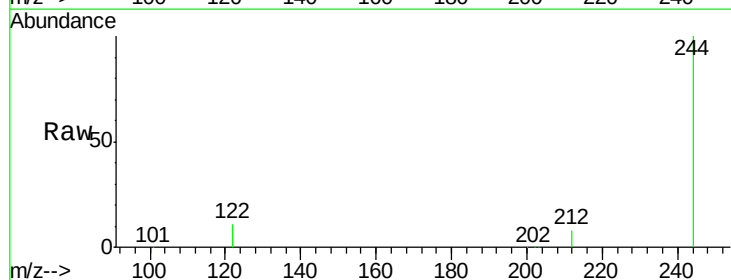
Instrument :
 BNA_E
 ClientSampleId :
 080315-D506-E-U-BRE

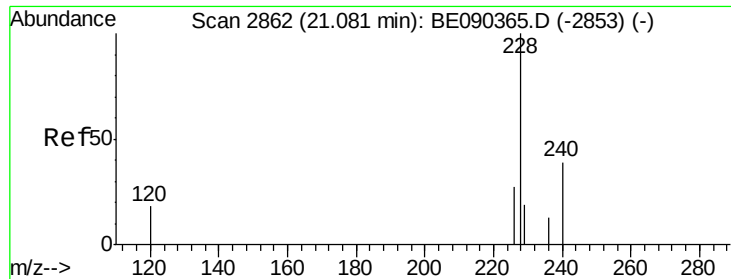
Tgt Ion: 202 Resp: 1027
 Ion Ratio Lower Upper
 202 100
 200 20.9 16.7 25.1
 203 21.9 13.8 20.8#



#27
 Terphenyl-d14
 Concen: 5.72 ng
 RT: 19.56 min Scan# 2614
 Delta R.T. -0.01 min
 Lab File: BE090387.D
 Acq: 6 Aug 2015 13:34

Tgt Ion: 244 Resp: 134441
 Ion Ratio Lower Upper
 244 100
 212 7.9 6.6 9.8
 122 11.4 10.2 15.4





#28

Benzo(a)anthracene

Concen: 0.03 ng

RT: 21.09 min Scan# 2863

Delta R.T. 0.01 min

Lab File: BE090387.D

Acq: 6 Aug 2015 13:34

Instrument :

BNA_E

ClientSampleId :

080315-D506-E-U-BRE

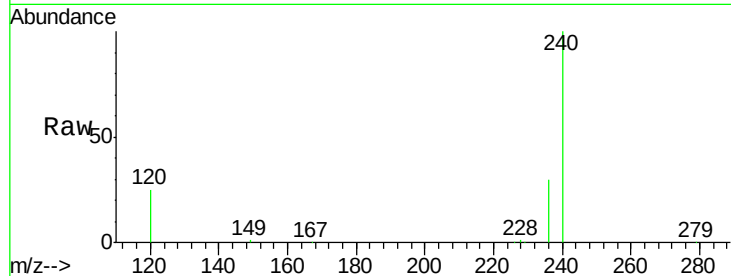
Tgt Ion:228 Resp: 1097

Ion Ratio Lower Upper

228 100

226 34.9 21.9 32.9#

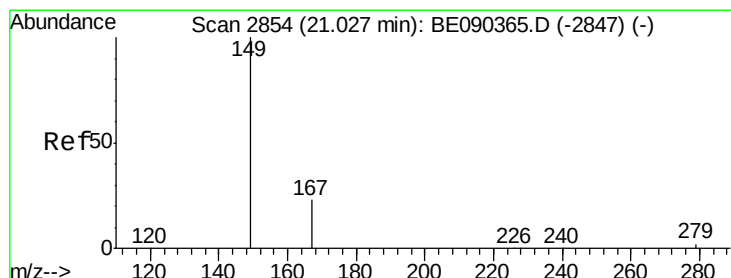
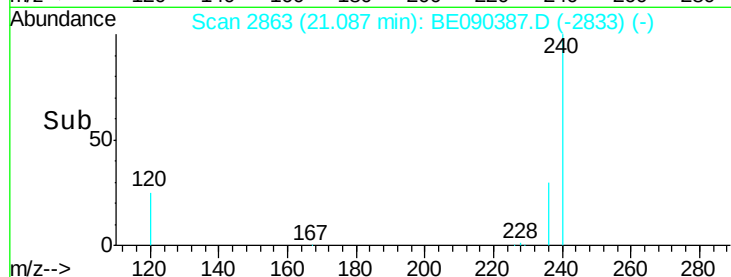
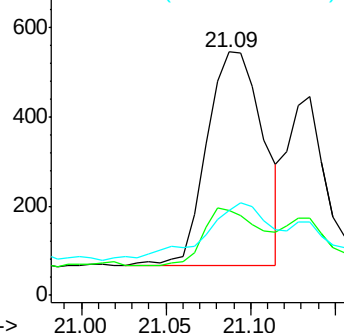
229 34.7 15.4 23.0#



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: 0.93 ng

RT: 21.03 min Scan# 2854

Delta R.T. 0.00 min

Lab File: BE090387.D

Acq: 6 Aug 2015 13:34

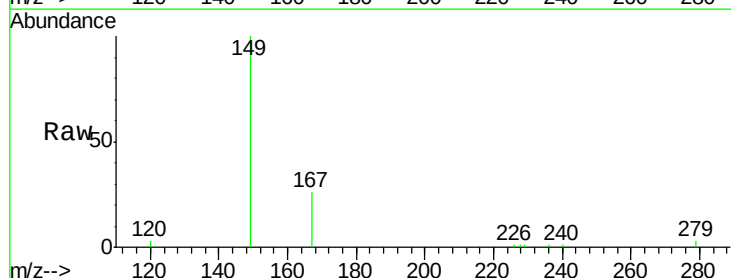
Tgt Ion:149 Resp: 7447

Ion Ratio Lower Upper

149 100

167 22.8 19.8 29.8

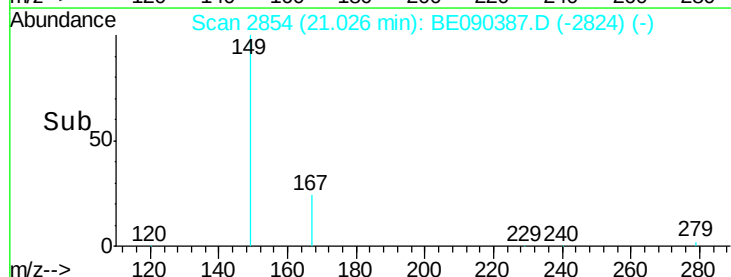
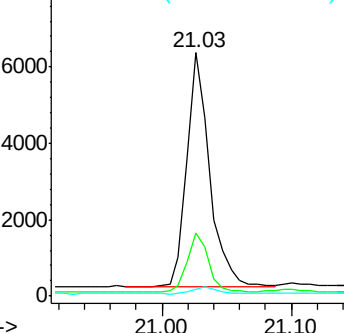
279 3.1 2.4 3.6

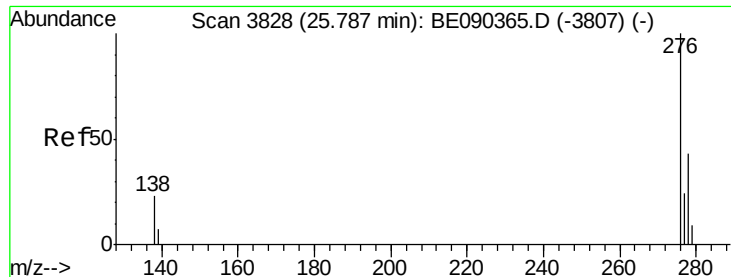


Abundance Ion 149.00 (148.70 to 149.70): E

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# 3827

Delta R.T. -0.00 min

Lab File: BE090387.D

Acq: 6 Aug 2015 13:34

Instrument :

BNA_E

ClientSampleId :

080315-D506-E-U-BRE

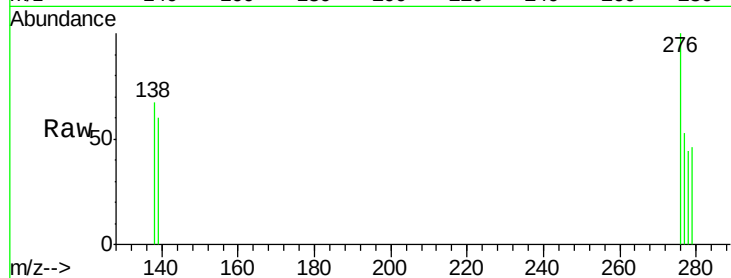
Tgt Ion: 276 Resp: 406

Ion Ratio Lower Upper

276 100

138 39.4 18.8 28.2#

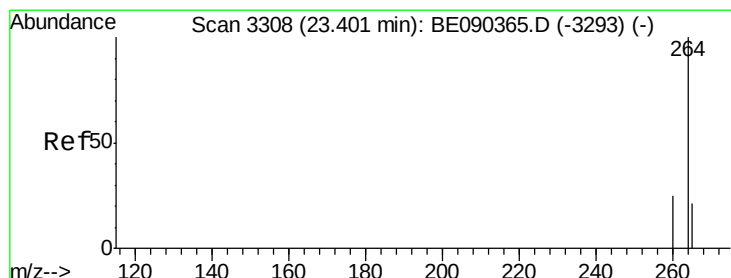
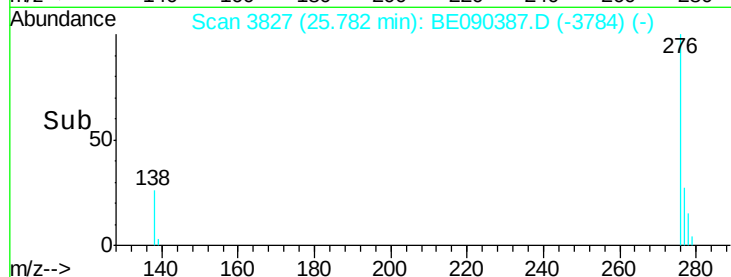
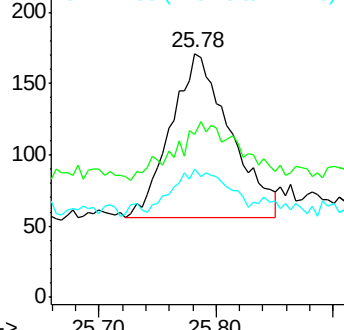
277 22.7 18.2 27.4



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#32

Perylene-d12

Concen: 5.00 ng

RT: 23.40 min Scan# 3307

Delta R.T. -0.00 min

Lab File: BE090387.D

Acq: 6 Aug 2015 13:34

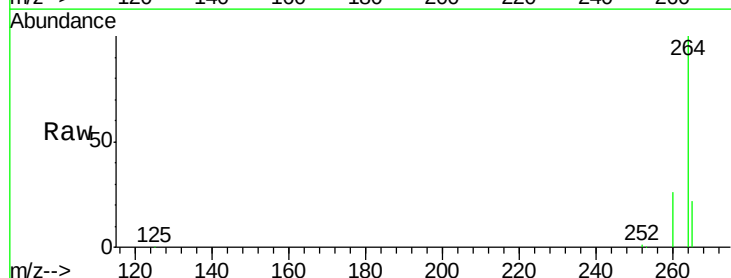
Tgt Ion: 264 Resp: 152235

Ion Ratio Lower Upper

264 100

260 25.7 20.1 30.1

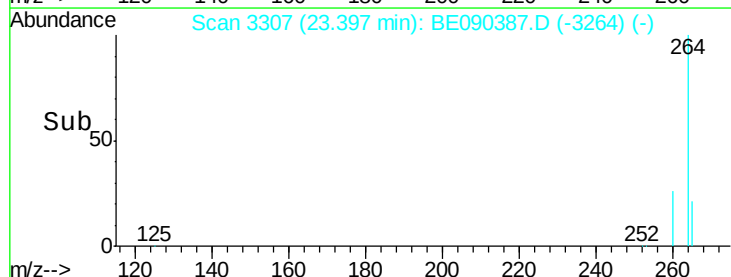
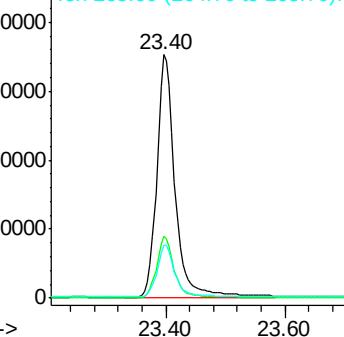
265 21.6 17.2 25.8

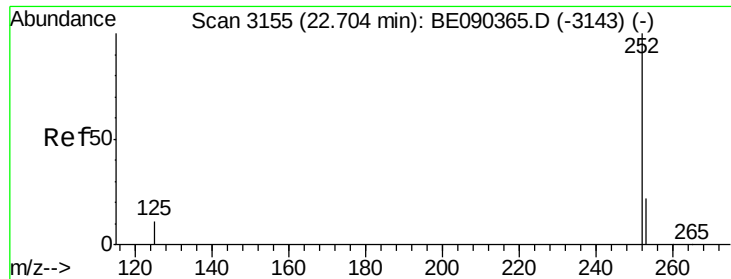


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#33

Benzo(b)fluoranthene

Concen: 0.22 ng

RT: 22.70 min Scan# 3154

Delta R.T. -0.00 min

Lab File: BE090387.D

Acq: 6 Aug 2015 13:34

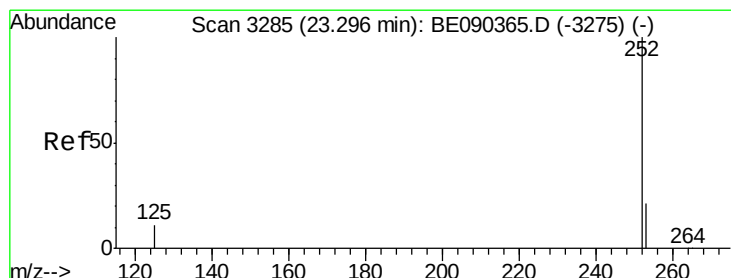
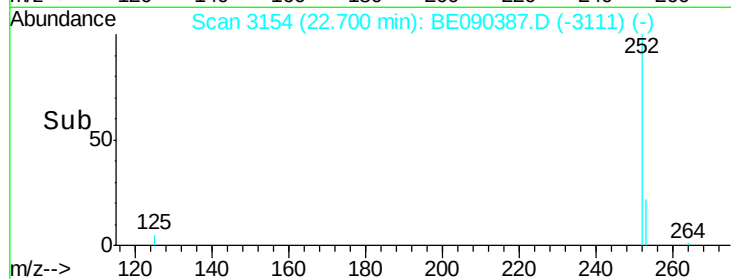
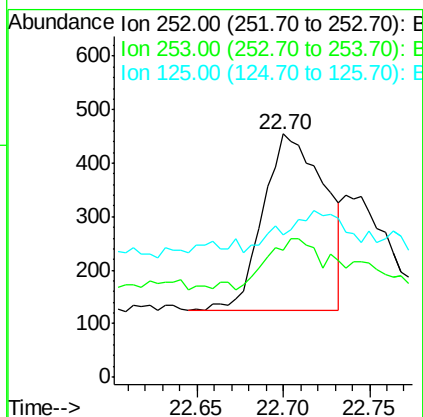
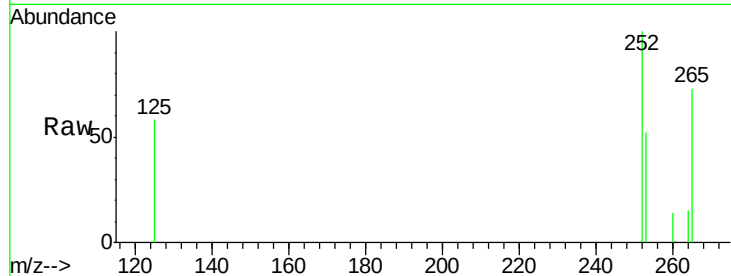
Instrument :

BNA_E

ClientSampleId :

080315-D506-E-U-BRE

Tgt Ion:	252	Resp:	821
Ion	Ratio	Lower	Upper
252	100		
253	52.1	18.1	27.1#
125	58.2	9.4	14.2#



#35

Benzo(a)pyrene

Concen: 0.24 ng

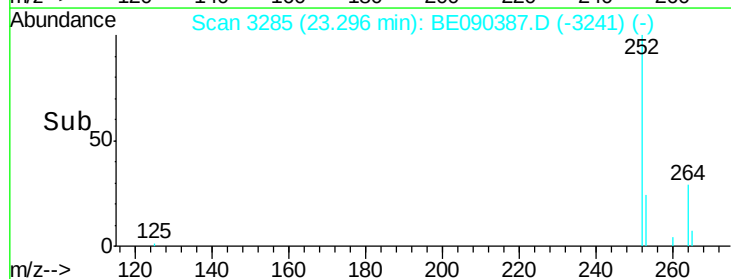
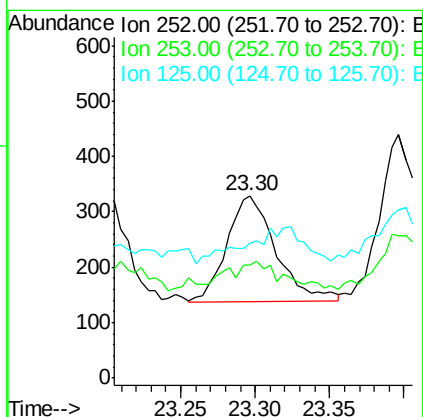
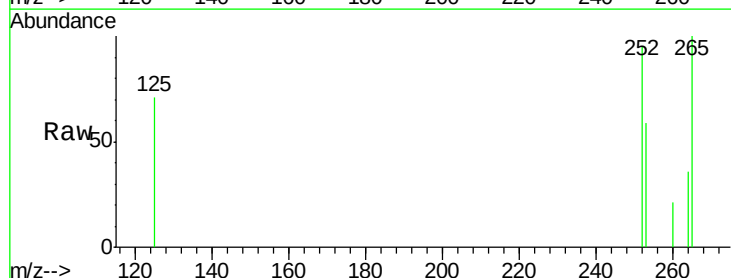
RT: 23.30 min Scan# 3285

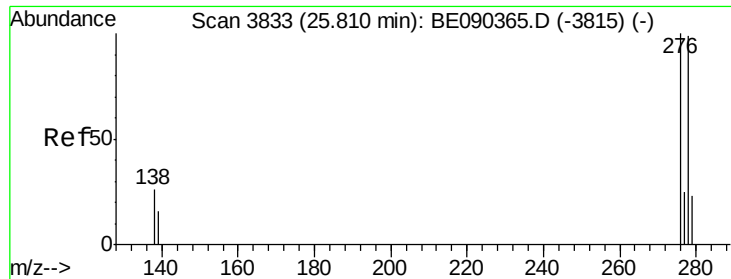
Delta R.T. 0.00 min

Lab File: BE090387.D

Acq: 6 Aug 2015 13:34

Tgt Ion:	252	Resp:	436
Ion	Ratio	Lower	Upper
252	100		
253	62.3	17.6	26.4#
125	74.2	9.8	14.6#





#36

Dibenzo(a,h)anthracene

Concen: 0.29 ng

RT: 25.81 min Scan# 3833

Delta R.T. 0.00 min

Lab File: BE090387.D

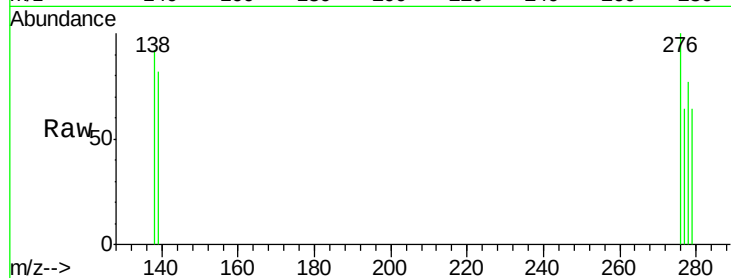
Acq: 6 Aug 2015 13:34

Instrument :

BNA_E

ClientSampleId :

080315-D506-E-U-BRE



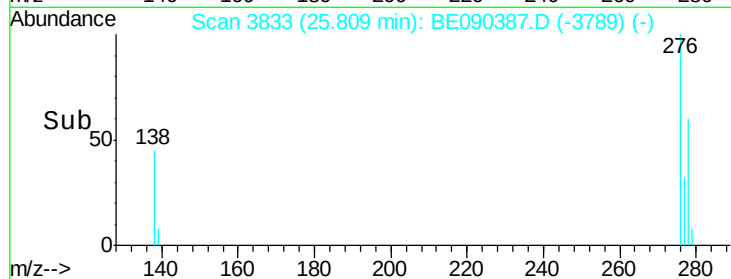
Tgt Ion: 278 Resp: 95

Ion Ratio Lower Upper

278 100

139 106.5 14.2 21.4#

279 82.8 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

