

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE081115\
 Data File : BE090447.D
 Acq On : 12 Aug 2015 2:48
 Operator : UM/IZ
 Sample : PB84962BS
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB84962BS

Quant Time: Aug 12 04:16:40 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	17938	5.00	ng	0.00
6) Naphthalene-d8	10.34	136	84073	5.00	ng	0.00
12) Acenaphthene-d10	14.20	164	48787	5.00	ng	0.00
18) Phenanthrene-d10	16.94	188	111437	5.00	ng	0.00
25) Chrysene-d12	21.09	240	136902	5.00	ng	0.00
32) Perylene-d12	23.40	264	116006	5.00	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.22	112	30520	11.34	ng	0.00
5) Phenol-d6	6.76	99	49840	8.52	ng	-0.01
7) Nitrobenzene-d5	8.72	82	25007	3.71	ng	-0.01
13) 2,4,6-Tribromophenol	15.69	330	13677	8.76	ng	-0.02
14) 2-Fluorobiphenyl	12.82	172	57167	4.26	ng	0.00
27) Terphenyl-d14	19.55	244	91669	4.54	ng	-0.01

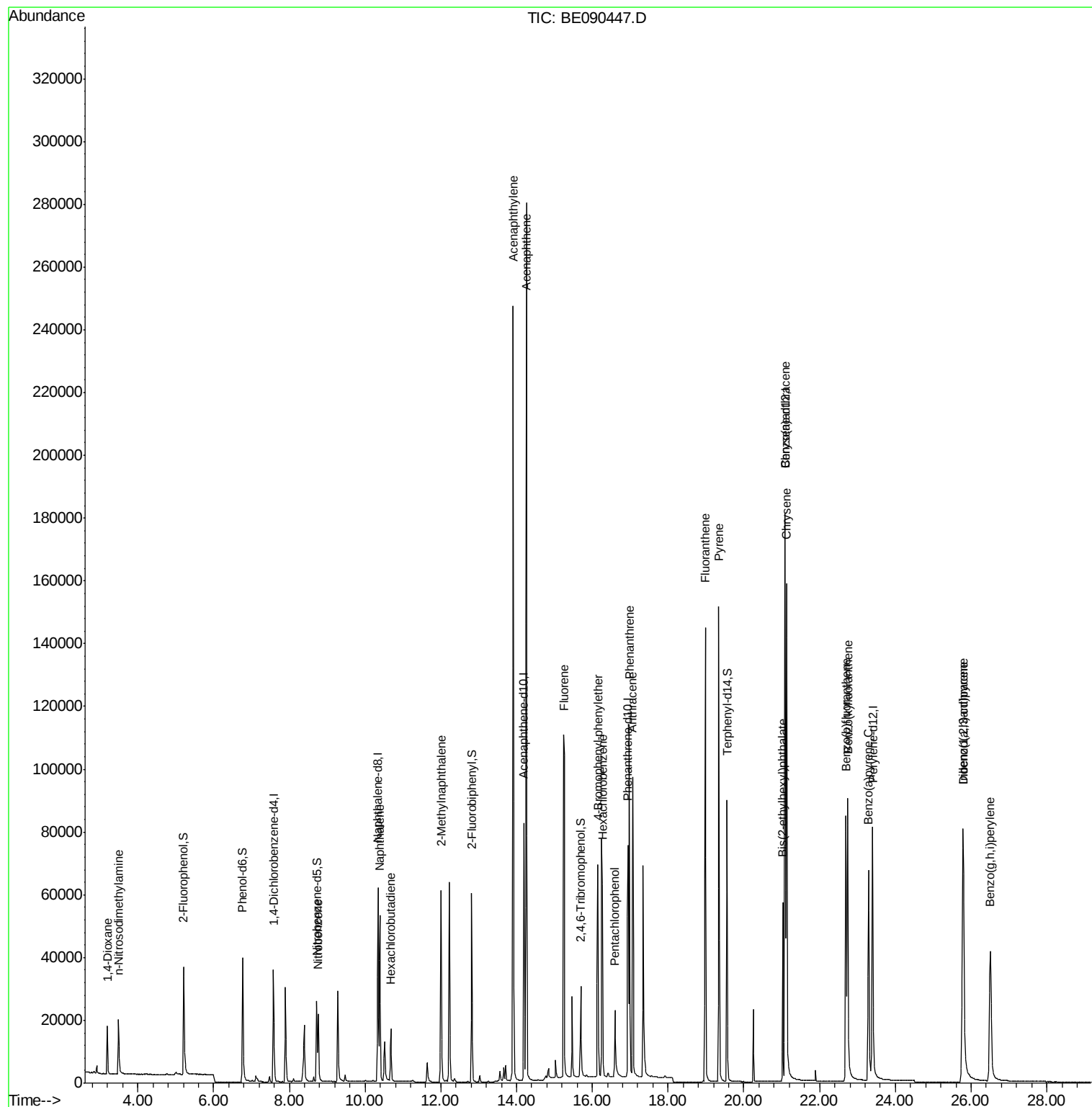
Target Compounds					Qvalue
2) 1,4-Dioxane	3.19	88	8926	4.20	ng 98
3) n-Nitrosodimethylamine	3.49	42	11435	4.12	ng 90
8) Nitrobenzene	8.76	77	26791	3.72	ng 98
9) Naphthalene	10.38	128	72001	3.88	ng 98
10) Hexachlorobutadiene	10.68	225	12105	4.30	ng 100
11) 2-Methylnaphthalene	12.01	142	47554	4.42	ng 98
15) Acenaphthylene	13.91	152	334725	4.24	ng 100
16) Acenaphthene	14.26	154	49641	4.04	ng 89
17) Fluorene	15.26	166	66603	4.17	ng 97
19) 4-Bromophenyl-phenylether	16.14	248	19045	4.39	ng 99
20) Hexachlorobenzene	16.27	284	83797	3.74	ng 98
21) Pentachlorophenol	16.60	266	13217	7.65	ng 90
22) Phenanthrene	16.98	178	116734	4.19	ng 100
23) Anthracene	17.07	178	112537	4.91	ng 99
24) Fluoranthene	18.98	202	129932	4.73	ng 99
26) Pyrene	19.34	202	141534	4.77	ng 99
28) Benzo(a)anthracene	21.08	228	138281	4.56	ng 99
29) Chrysene	21.13	228	145986	3.98	ng 98
30) Bis(2-ethylhexyl)phthalate	21.03	149	45887	4.39	ng 98
31) Indeno(1,2,3-cd)pyrene	25.78	276	118278	3.65	ng 95
33) Benzo(b)fluoranthene	22.70	252	114419	4.39	ng 98
34) Benzo(k)fluoranthene	22.74	252	131104	4.06	ng 99
35) Benzo(a)pyrene	23.29	252	103302	4.20	ng 99
36) Dibenzo(a,h)anthracene	25.80	278	94320	3.95	ng 98
37) Benzo(g,h,i)perylene	26.51	276	104670	4.89	ng 98

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

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.58 min Scan# 845

Delta R.T. -0.00 min

Lab File: BE090447.D

Acq: 12 Aug 2015 2:48

Instrument :

BNA_E

ClientSampleId :

PB84962BS

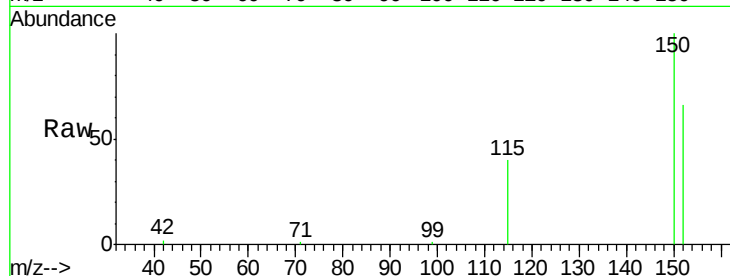
Tgt Ion:152 Resp: 17938

Ion Ratio Lower Upper

152 100

150 151.4 123.0 184.4

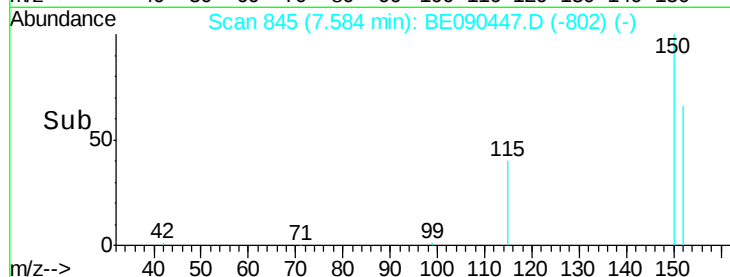
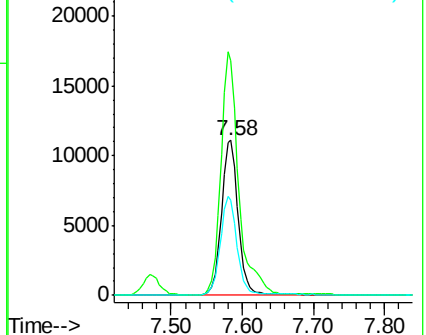
115 61.2 48.9 73.3



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: 4.20 ng

RT: 3.19 min Scan# 88

Delta R.T. -0.00 min

Lab File: BE090447.D

Acq: 12 Aug 2015 2:48

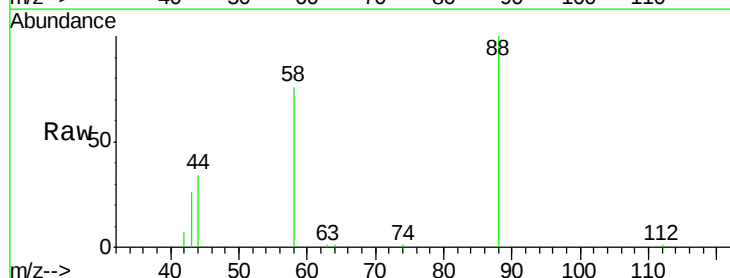
Tgt Ion: 88 Resp: 8926

Ion Ratio Lower Upper

88 100

58 86.5 70.0 105.0

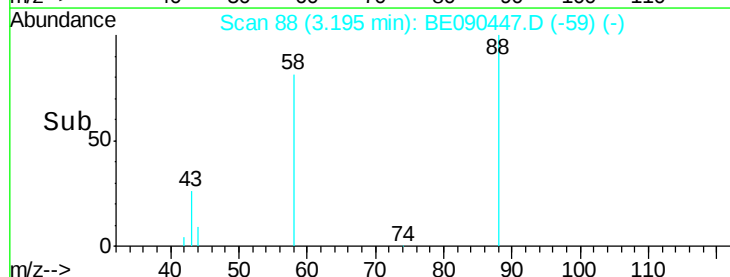
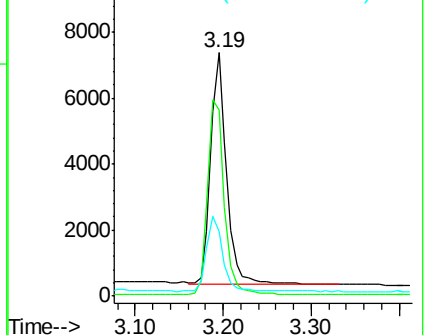
43 32.2 28.4 42.6



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



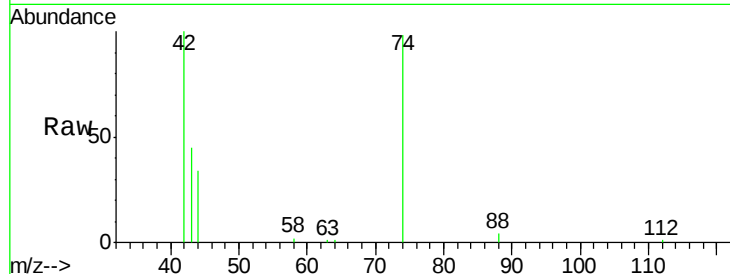


#3

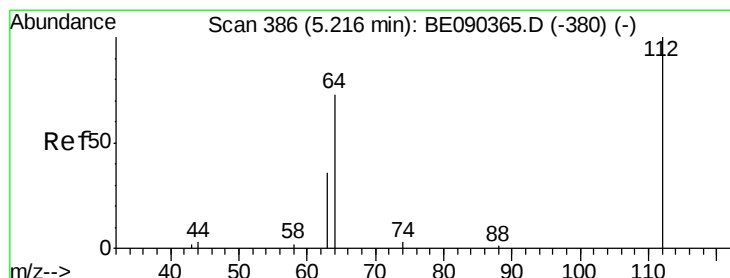
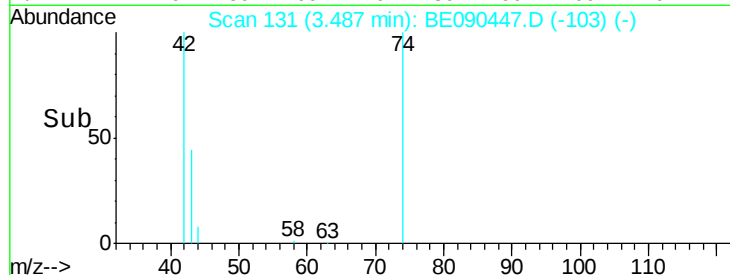
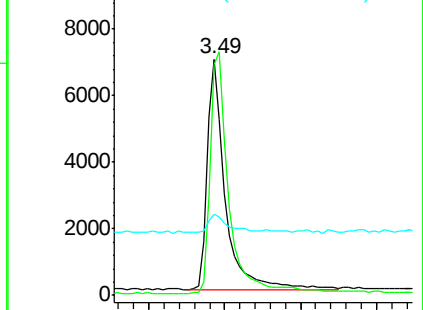
n-Nitrosodimethylamine
 Concen: 4.12 ng
 RT: 3.49 min Scan# 131
 Delta R.T. -0.01 min
 Lab File: BE090447.D
 Acq: 12 Aug 2015 2:48

Instrument :
 BNA_E
 ClientSampleId :
 PB84962BS

Tgt Ion: 42 Resp: 11435
 Ion Ratio Lower Upper
 42 100
 74 103.8 75.2 112.8
 44 9.4 8.7 13.1



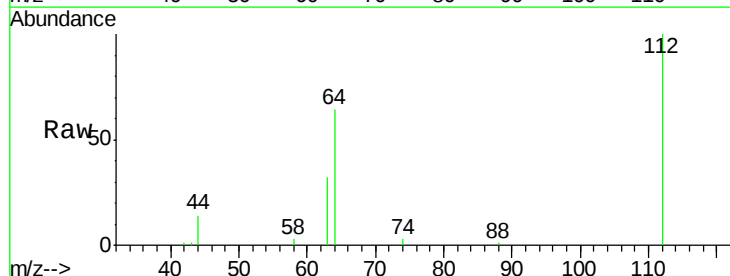
Abundance Ion 42.00 (41.70 to 42.70): BE0
 Ion 74.00 (73.70 to 74.70): BE0
 Ion 44.00 (43.70 to 44.70): BE0



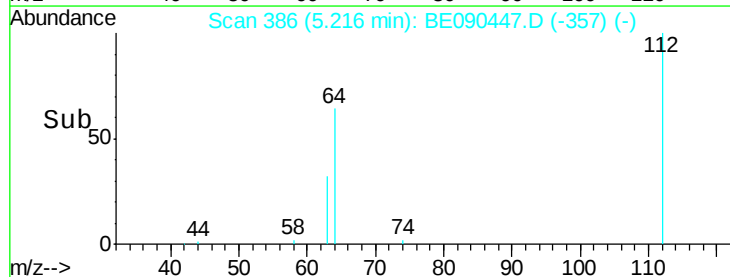
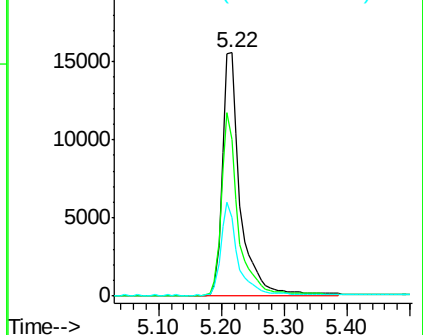
#4

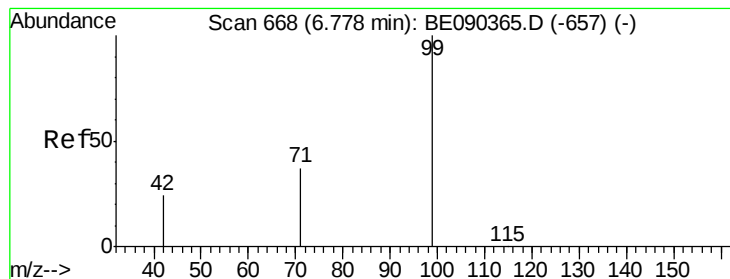
2-Fluorophenol
 Concen: 11.34 ng
 RT: 5.22 min Scan# 386
 Delta R.T. -0.00 min
 Lab File: BE090447.D
 Acq: 12 Aug 2015 2:48

Tgt Ion: 112 Resp: 30520
 Ion Ratio Lower Upper
 112 100
 64 70.8 37.1 55.7#
 63 36.4 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: 8.52 ng

RT: 6.76 min Scan# 665

Delta R.T. -0.01 min

Lab File: BE090447.D

Acq: 12 Aug 2015 2:48

Instrument :

BNA_E

ClientSampleId :

PB84962BS

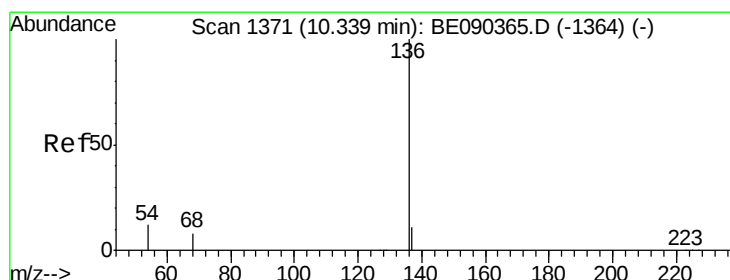
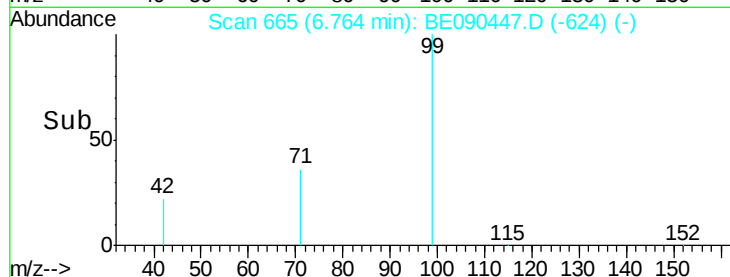
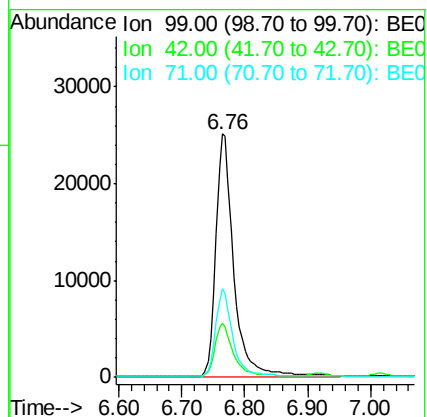
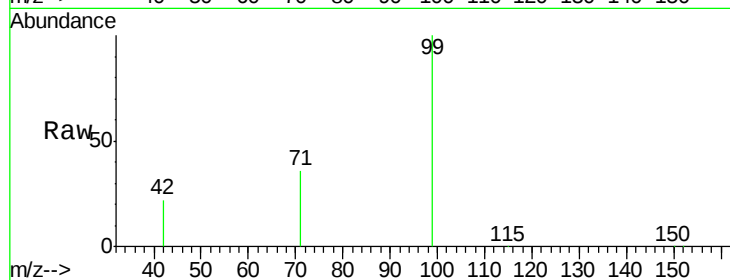
Tgt Ion: 99 Resp: 49840

Ion Ratio Lower Upper

99 100

42 21.8 18.2 27.4

71 35.6 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: BE090447.D

Acq: 12 Aug 2015 2:48

Tgt Ion: 136 Resp: 84073

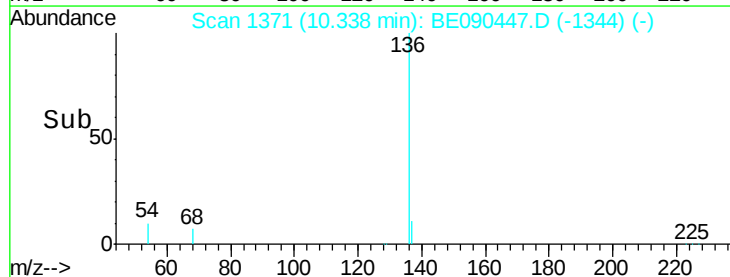
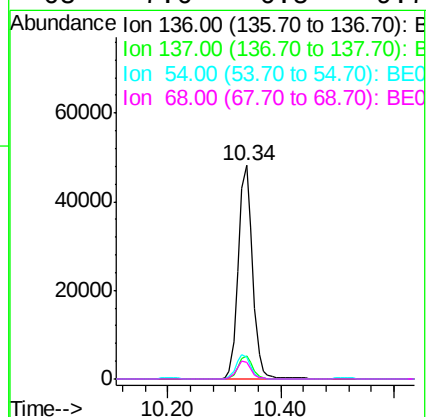
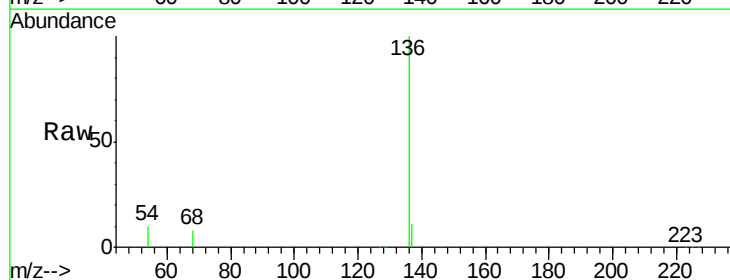
Ion Ratio Lower Upper

136 100

137 10.9 8.7 13.1

54 10.3 9.4 14.0

68 7.6 6.5 9.7





#7

Nitrobenzene-d5

Concen: 3.71 ng

RT: 8.72 min Scan# 1091

Delta R.T. -0.01 min

Lab File: BE090447.D

Acq: 12 Aug 2015 2:48

Instrument :

BNA_E

ClientSampleId :

PB84962BS

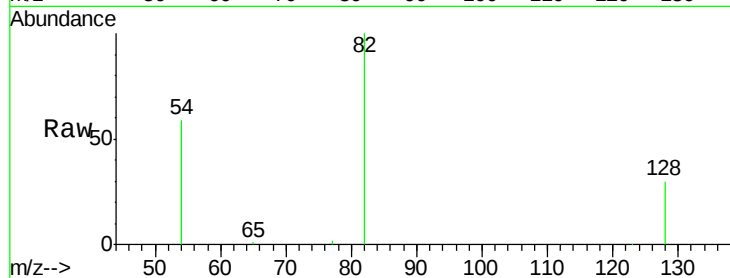
Tgt Ion: 82 Resp: 25007

Ion Ratio Lower Upper

82 100

128 29.6 25.0 37.6

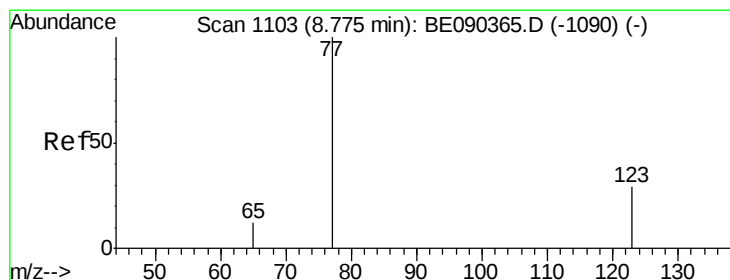
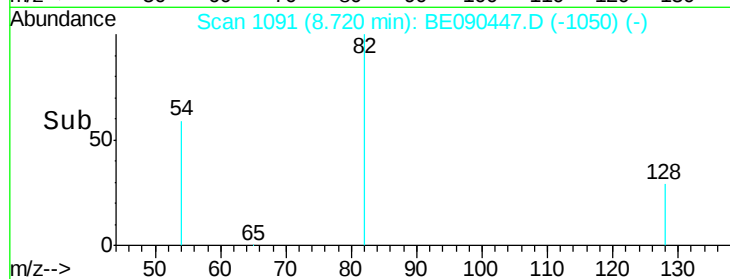
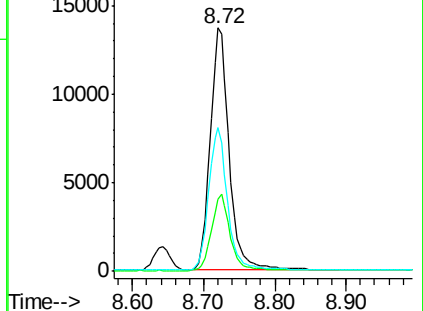
54 59.1 48.8 73.2



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: 3.72 ng

RT: 8.76 min Scan# 1100

Delta R.T. -0.01 min

Lab File: BE090447.D

Acq: 12 Aug 2015 2:48

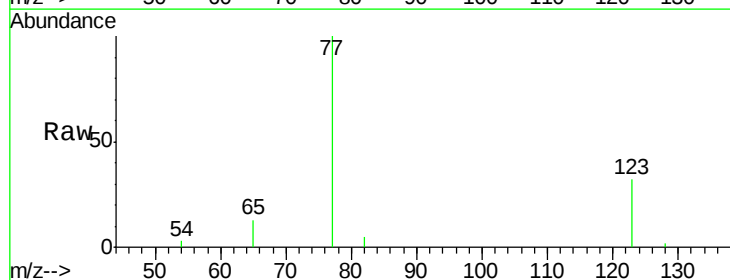
Tgt Ion: 77 Resp: 26791

Ion Ratio Lower Upper

77 100

123 32.6 25.1 37.7

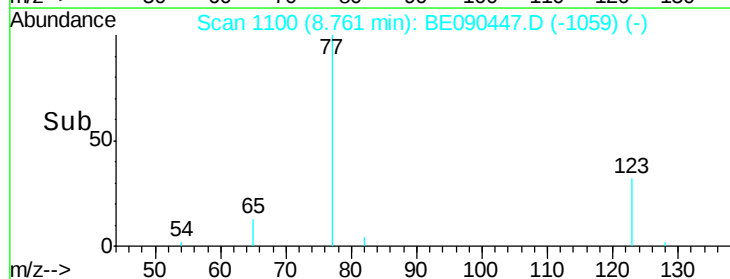
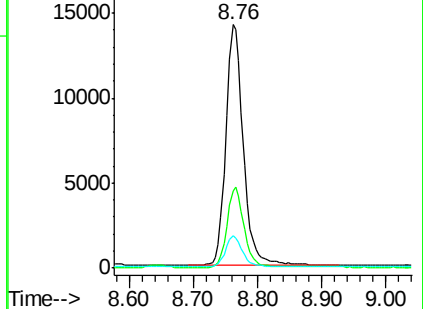
65 12.5 9.3 13.9



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





#9

Naphthalene

Concen: 3.88 ng

RT: 10.38 min Scan# 1377

Delta R.T. -0.01 min

Lab File: BE090447.D

Acq: 12 Aug 2015 2:48

Instrument :

BNA_E

ClientSampled :

PB84962BS

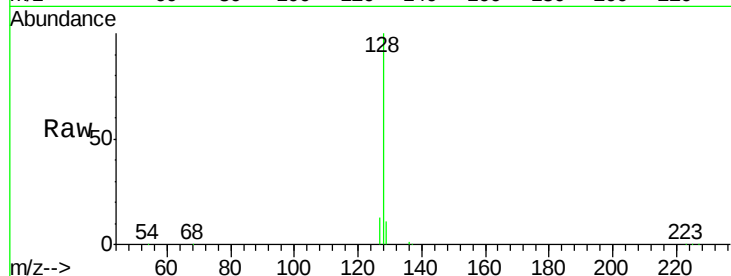
Tgt Ion:128 Resp: 72001

Ion Ratio Lower Upper

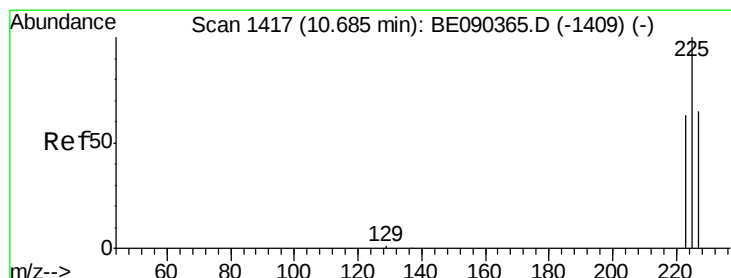
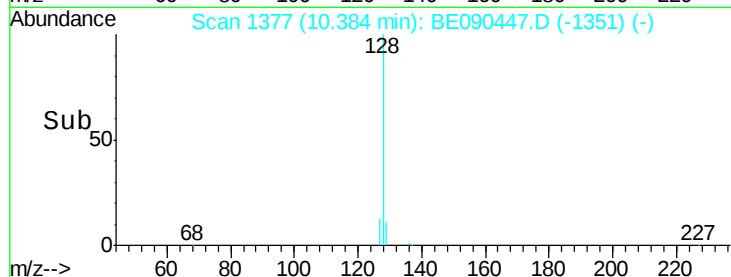
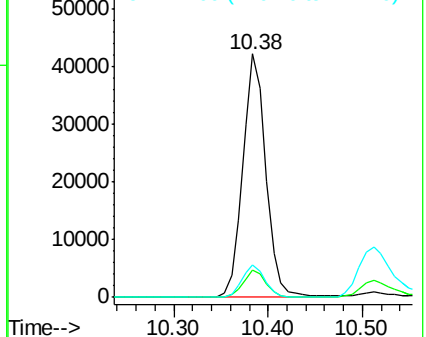
128 100

129 11.0 9.8 14.6

127 13.2 10.6 16.0



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#10

Hexachlorobutadiene

Concen: 4.30 ng

RT: 10.68 min Scan# 1416

Delta R.T. -0.01 min

Lab File: BE090447.D

Acq: 12 Aug 2015 2:48

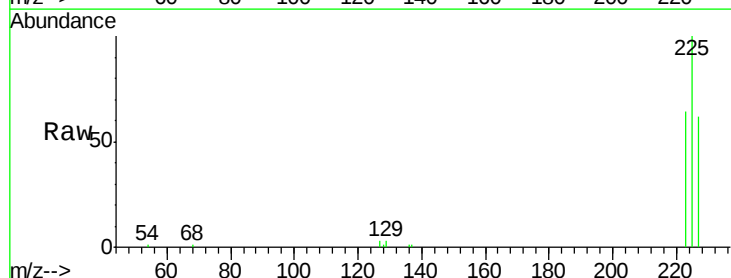
Tgt Ion:225 Resp: 12105

Ion Ratio Lower Upper

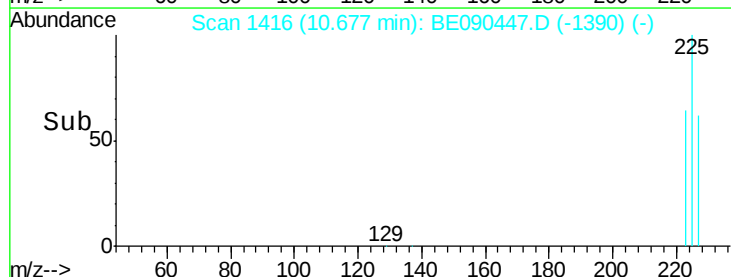
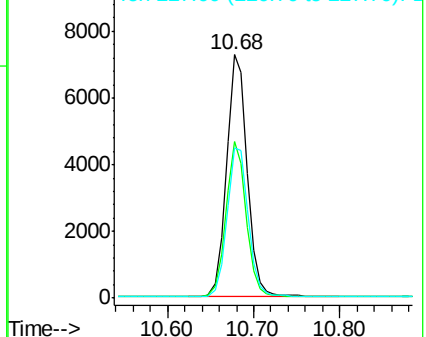
225 100

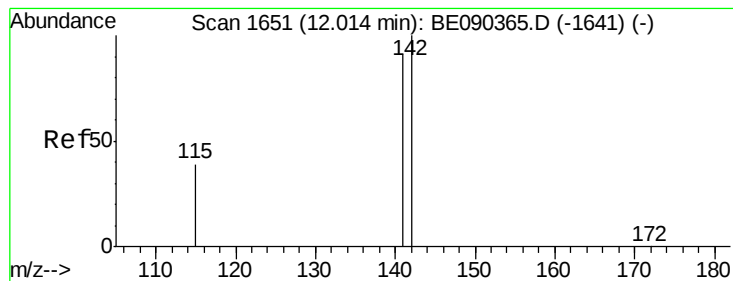
223 62.8 50.6 75.8

227 63.7 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





#11

2-Methylnaphthalene

Concen: 4.42 ng

RT: 12.01 min Scan# 1649

Delta R.T. -0.01 min

Lab File: BE090447.D

Acq: 12 Aug 2015 2:48

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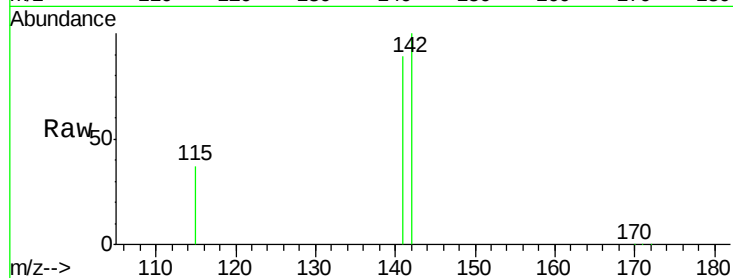
Tgt Ion:142 Resp: 47554

Ion Ratio Lower Upper

142 100

141 89.3 72.6 109.0

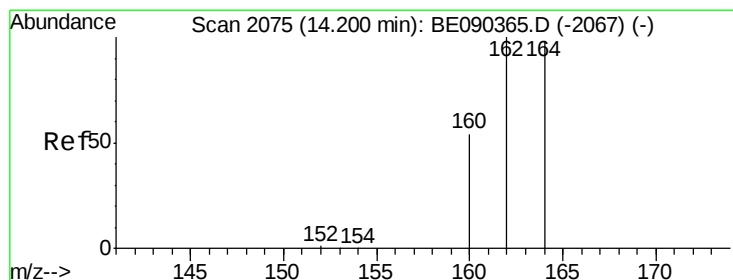
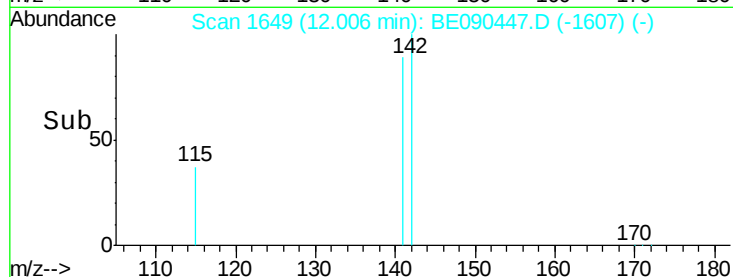
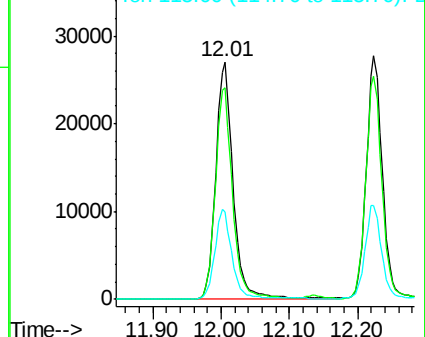
115 36.8 31.6 47.4



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.20 min Scan# 2075

Delta R.T. -0.00 min

Lab File: BE090447.D

Acq: 12 Aug 2015 2:48

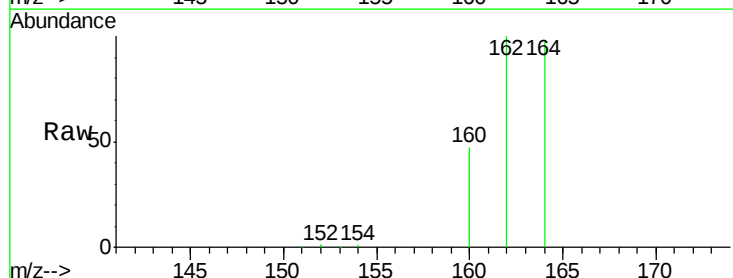
Tgt Ion:164 Resp: 48787

Ion Ratio Lower Upper

164 100

162 101.9 81.8 122.8

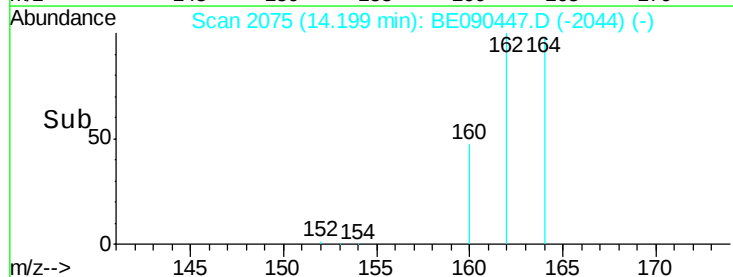
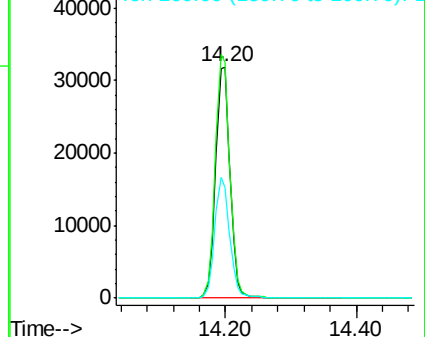
160 48.0 44.2 66.4



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

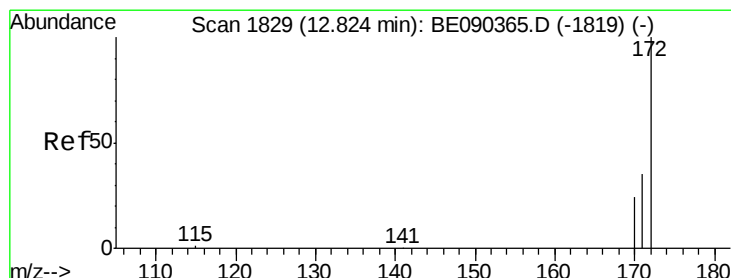
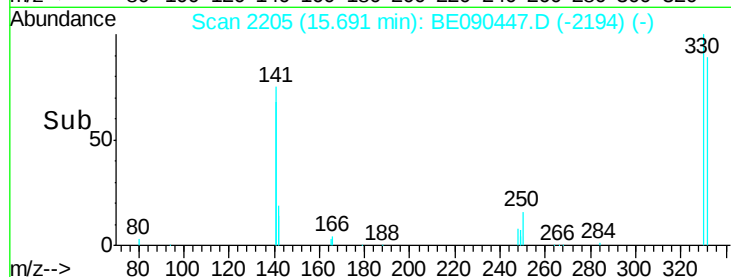
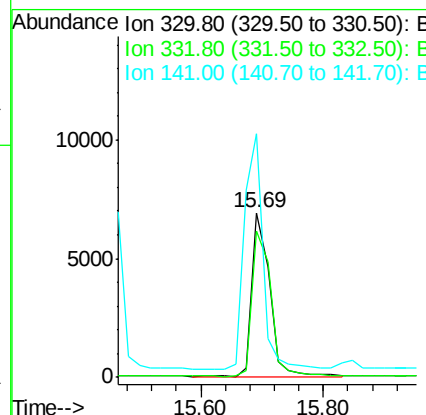
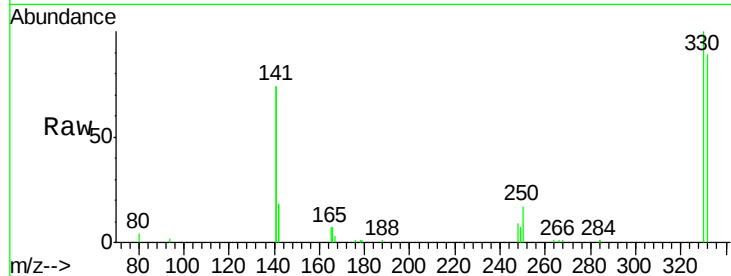




#13
 2,4,6-Tribromophenol
 Concen: 8.76 ng
 RT: 15.69 min Scan# 2205
 Delta R.T. -0.02 min
 Lab File: BE090447.D
 Acq: 12 Aug 2015 2:48

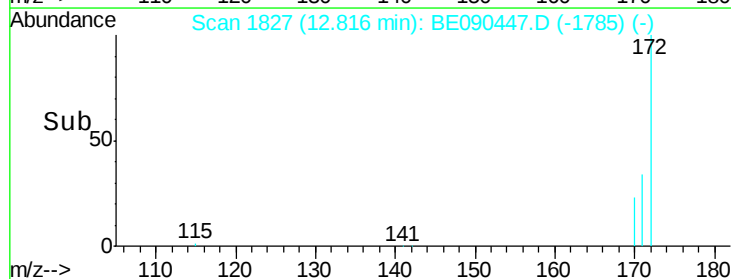
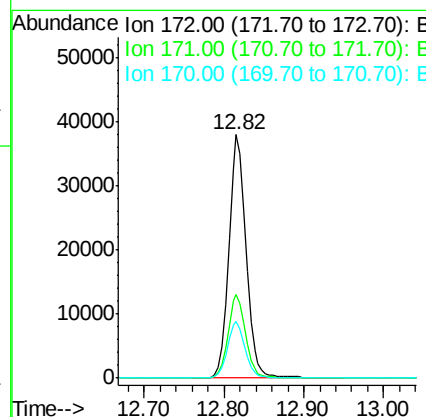
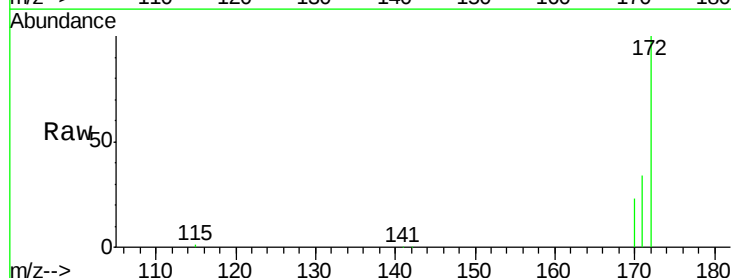
Instrument :
 BNA_E
 ClientSampleId :
 PB84962BS

Tgt Ion: 330 Resp: 13677
 Ion Ratio Lower Upper
 330 100
 332 95.1 75.8 113.6
 141 154.4 114.4 171.6



#14
 2-Fluorobiphenyl
 Concen: 4.26 ng
 RT: 12.82 min Scan# 1827
 Delta R.T. -0.01 min
 Lab File: BE090447.D
 Acq: 12 Aug 2015 2:48

Tgt Ion: 172 Resp: 57167
 Ion Ratio Lower Upper
 172 100
 171 34.5 28.5 42.7
 170 23.3 19.8 29.8





#15

Acenaphthylene

Concen: 4.24 ng

RT: 13.91 min Scan# 2031

Delta R.T. -0.00 min

Lab File: BE090447.D

Acq: 12 Aug 2015 2:48

Instrument :

BNA_E

ClientSampleId :

PB84962BS

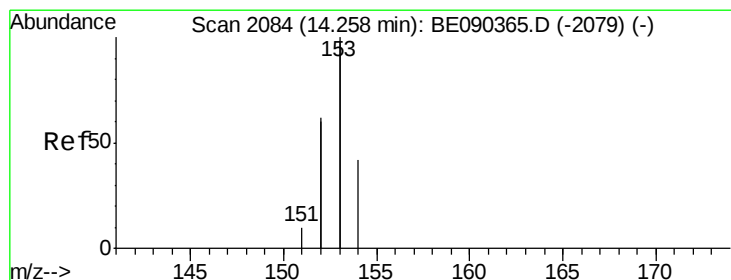
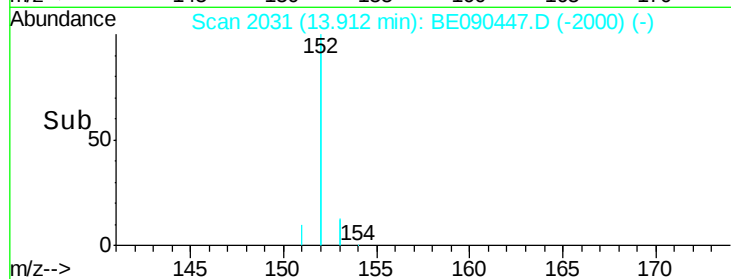
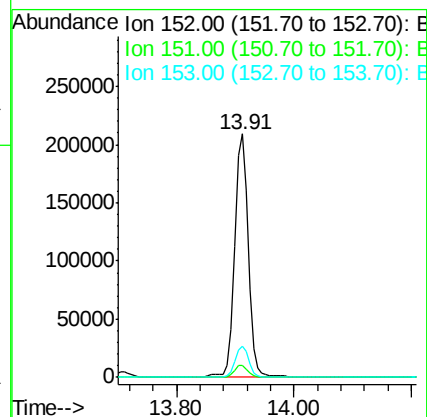
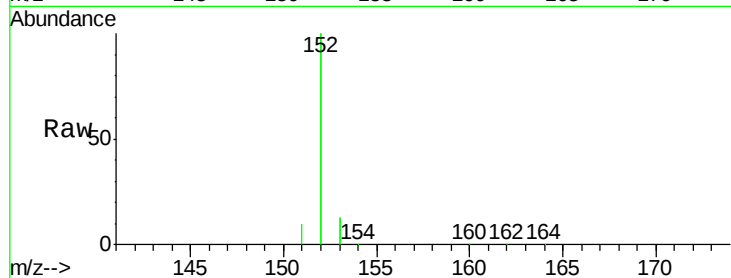
Tgt Ion:152 Resp: 334725

Ion Ratio Lower Upper

152 100

151 4.9 3.8 5.8

153 12.8 10.3 15.5



#16

Acenaphthene

Concen: 4.04 ng

RT: 14.26 min Scan# 2084

Delta R.T. -0.00 min

Lab File: BE090447.D

Acq: 12 Aug 2015 2:48

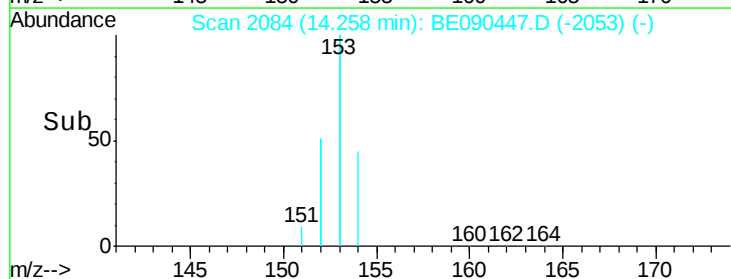
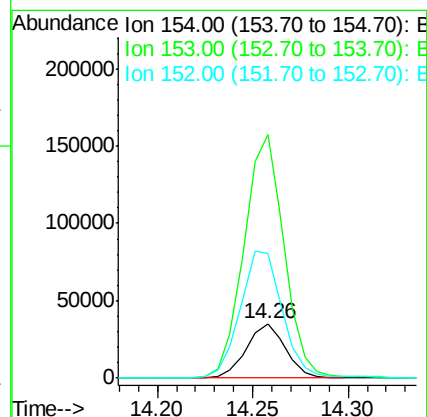
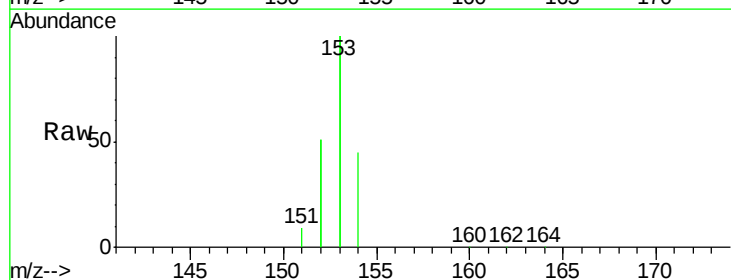
Tgt Ion:154 Resp: 49641

Ion Ratio Lower Upper

154 100

153 459.9 376.2 564.2

152 252.6 235.0 352.4





#17

Fluorene

Concen: 4.17 ng

RT: 15.26 min Scan# 2180

Delta R.T. 0.00 min

Lab File: BE090447.D

Acq: 12 Aug 2015 2:48

Instrument :

BNA_E

ClientSampleId :

PB84962BS

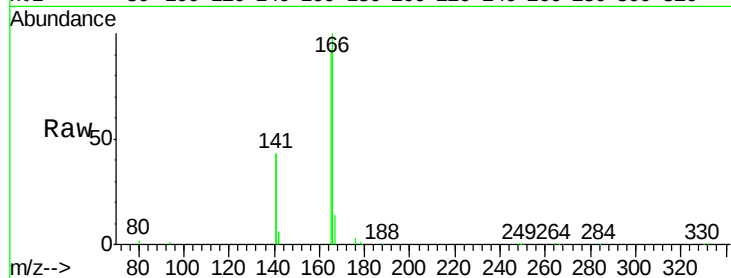
Tgt Ion:166 Resp: 66603

Ion Ratio Lower Upper

166 100

165 99.1 81.5 122.3

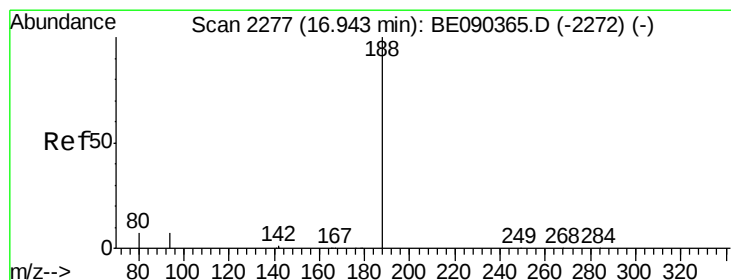
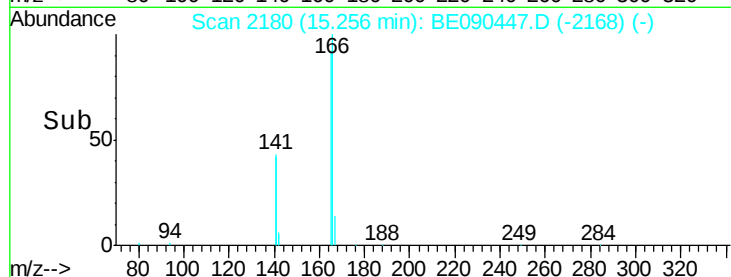
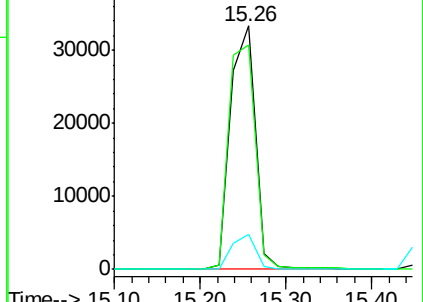
167 13.6 11.4 17.0



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#18

Phenanthrene-d10

Concen: 5.00 ng

RT: 16.94 min Scan# 2277

Delta R.T. 0.00 min

Lab File: BE090447.D

Acq: 12 Aug 2015 2:48

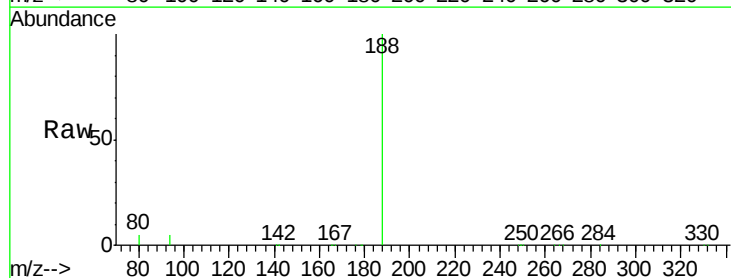
Tgt Ion:188 Resp: 111437

Ion Ratio Lower Upper

188 100

94 5.1 5.7 8.5#

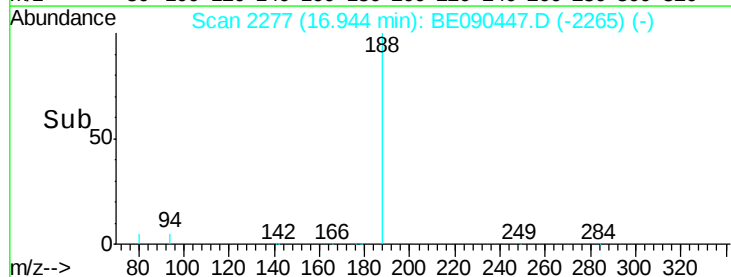
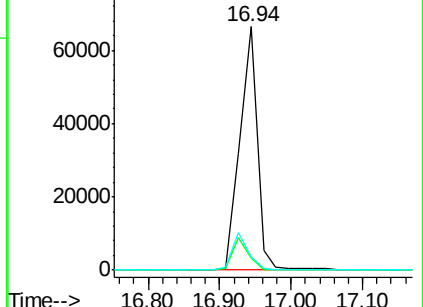
80 5.2 5.8 8.8#



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

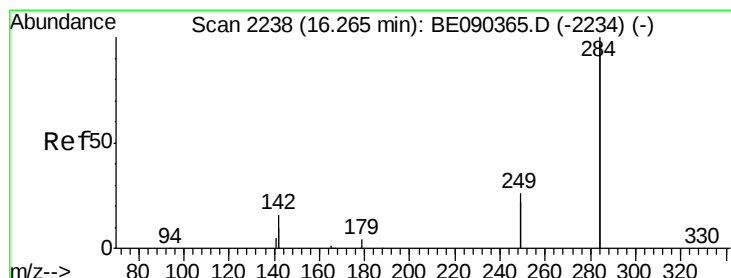
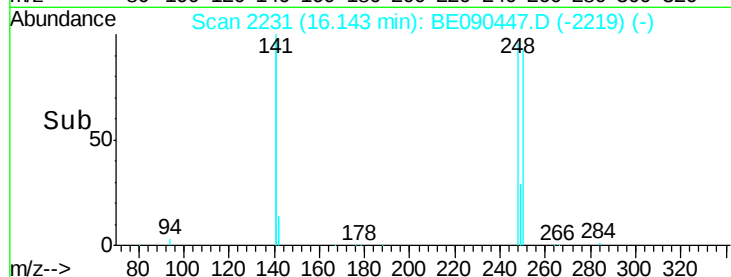
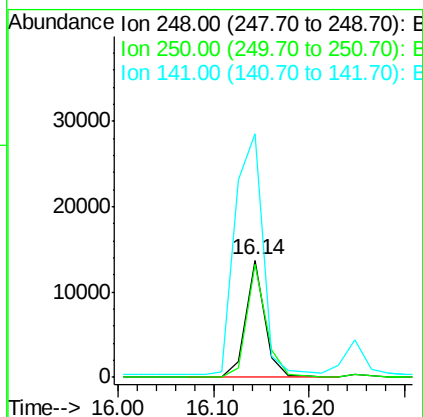
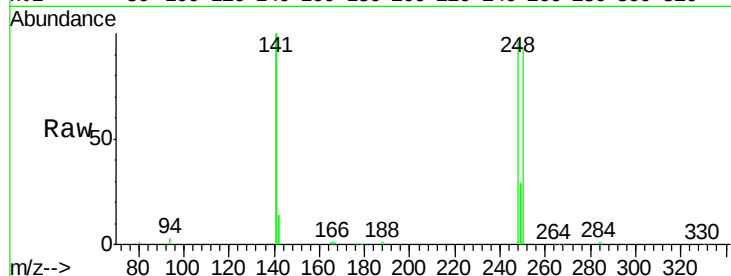




#19
4-Bromophenyl-phenylether
Concen: 4.39 ng
RT: 16.14 min Scan# 2231
Delta R.T. 0.00 min
Lab File: BE090447.D
Acq: 12 Aug 2015 2:48

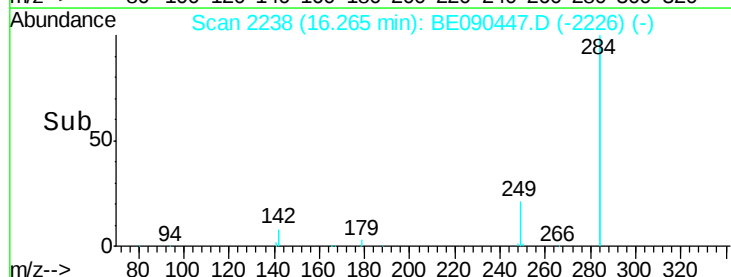
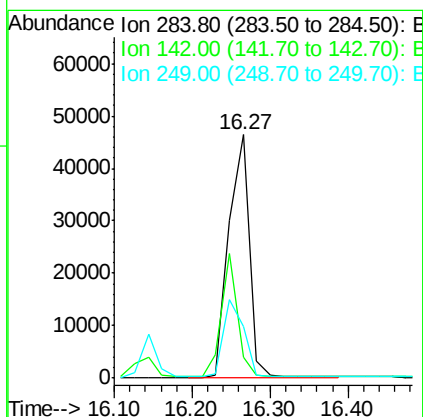
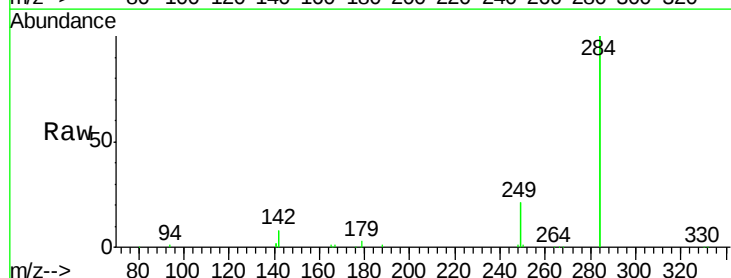
Instrument :
BNA_E
ClientSampleId :
PB84962BS

Tgt Ion: 248 Resp: 19045
Ion Ratio Lower Upper
248 100
250 98.0 79.0 118.6
141 297.3 239.5 359.3



#20
Hexachlorobenzene
Concen: 3.74 ng
RT: 16.27 min Scan# 2238
Delta R.T. 0.00 min
Lab File: BE090447.D
Acq: 12 Aug 2015 2:48

Tgt Ion: 284 Resp: 83797
Ion Ratio Lower Upper
284 100
142 39.4 30.1 45.1
249 31.9 25.7 38.5

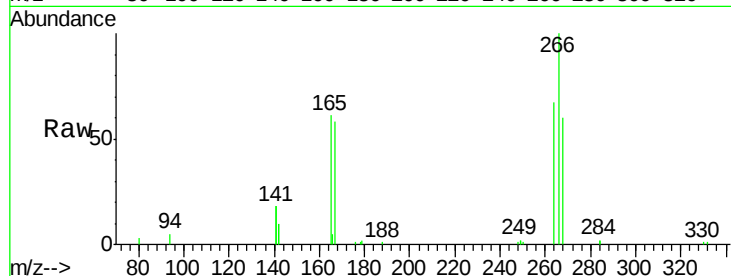




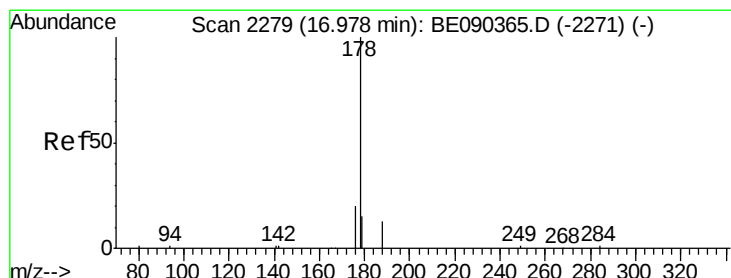
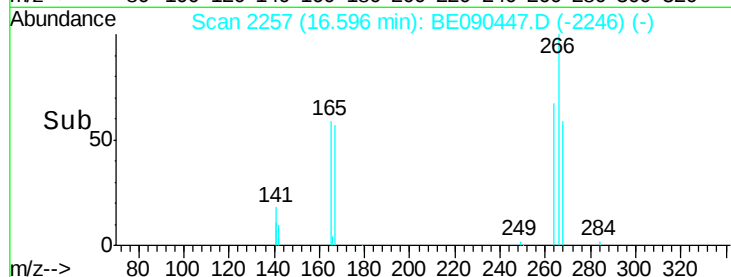
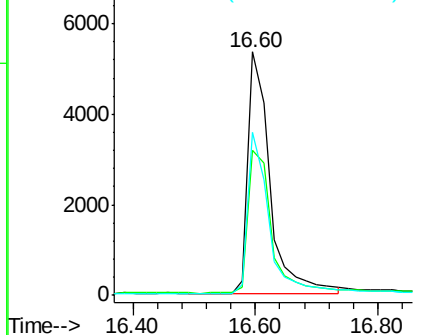
#21
 Pentachlorophenol
 Concen: 7.65 ng
 RT: 16.60 min Scan# 2257
 Delta R.T. -0.02 min
 Lab File: BE090447.D
 Acq: 12 Aug 2015 2:48

Instrument :
 BNA_E
 ClientSampleId :
 PB84962BS

Tgt Ion: 266 Resp: 13217
 Ion Ratio Lower Upper
 266 100
 268 59.5 58.5 87.7
 264 66.9 56.0 84.0

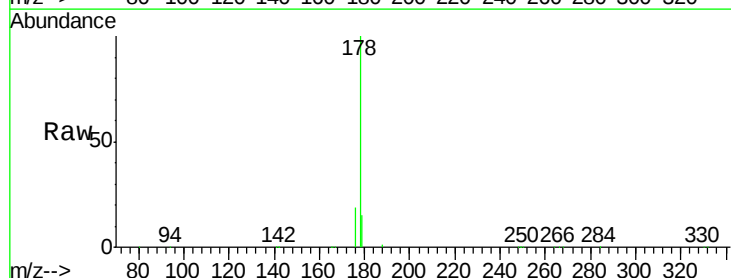


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

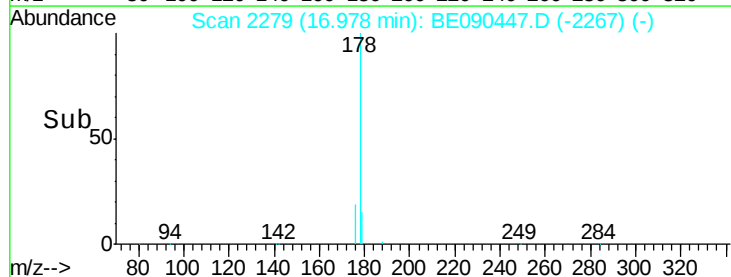
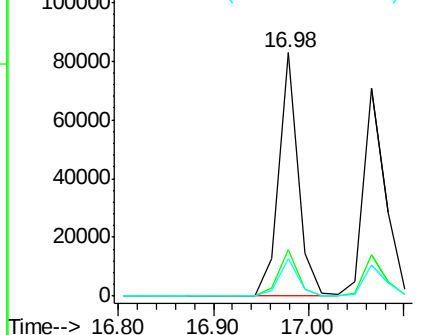


#22
 Phenanthrene
 Concen: 4.19 ng
 RT: 16.98 min Scan# 2279
 Delta R.T. 0.00 min
 Lab File: BE090447.D
 Acq: 12 Aug 2015 2:48

Tgt Ion: 178 Resp: 116734
 Ion Ratio Lower Upper
 178 100
 176 19.2 15.4 23.2
 179 15.3 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





#23

Anthracene

Concen: 4.91 ng

RT: 17.07 min Scan# 2284

Delta R.T. -0.02 min

Lab File: BE090447.D

Acq: 12 Aug 2015 2:48

Instrument :

BNA_E

ClientSampleId :

PB84962BS

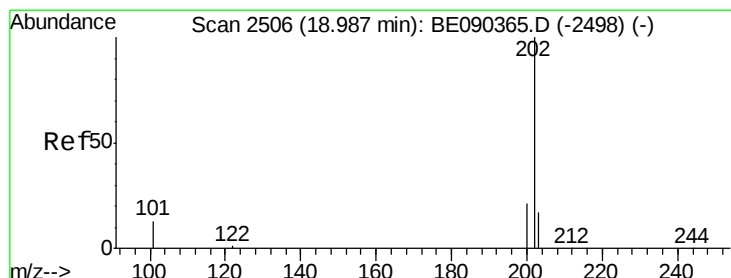
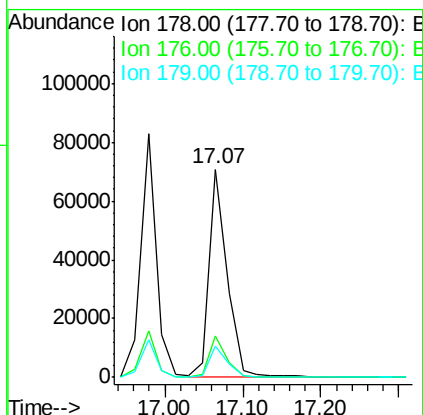
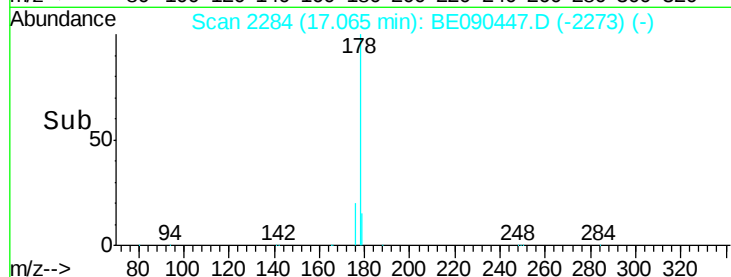
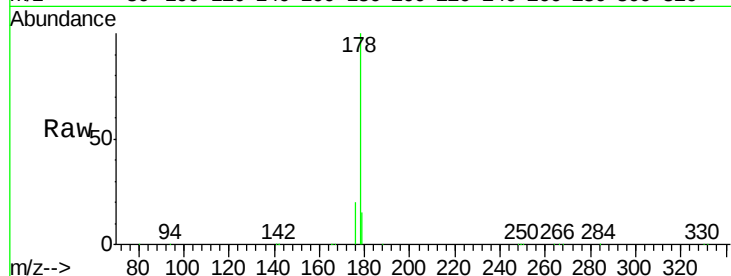
Tgt Ion:178 Resp: 112537

Ion Ratio Lower Upper

178 100

176 18.9 14.9 22.3

179 15.4 12.2 18.4



#24

Fluoranthene

Concen: 4.73 ng

RT: 18.98 min Scan# 2505

Delta R.T. -0.01 min

Lab File: BE090447.D

Acq: 12 Aug 2015 2:48

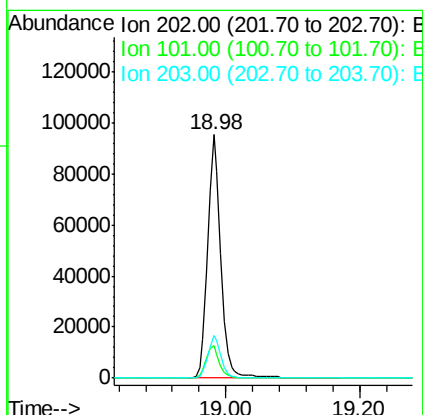
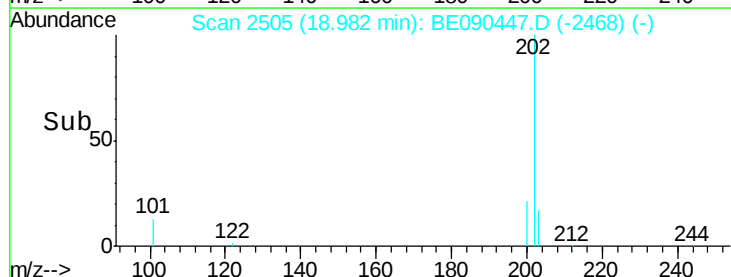
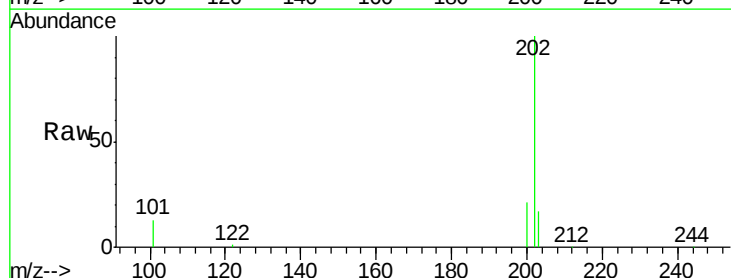
Tgt Ion:202 Resp: 129932

Ion Ratio Lower Upper

202 100

101 13.4 10.3 15.5

203 17.3 13.7 20.5





#25

Chrysene-d12

Concen: 5.00 ng

RT: 21.09 min Scan# 2864

Delta R.T. -0.01 min

Lab File: BE090447.D

Acq: 12 Aug 2015 2:48

Instrument :

BNA_E

ClientSampleId :

PB84962BS

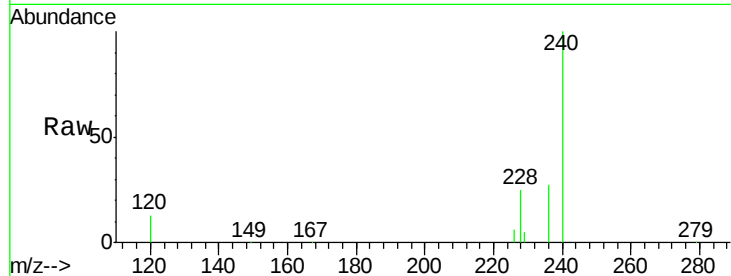
Tgt Ion:240 Resp: 136902

Ion Ratio Lower Upper

240 100

120 12.5 8.3 12.5#

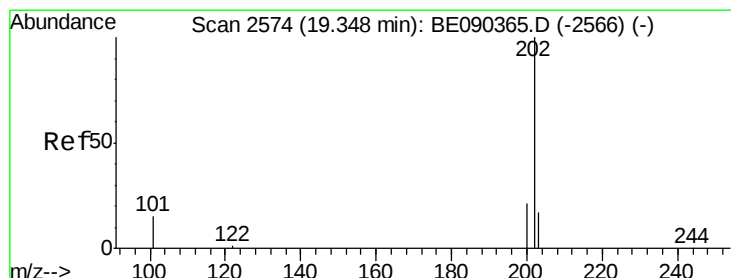
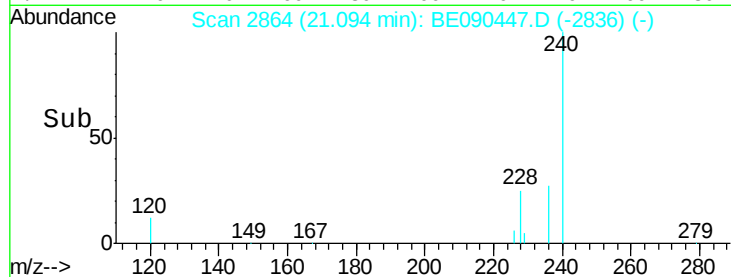
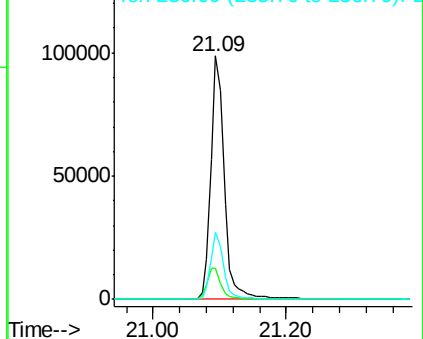
236 27.3 21.0 31.4



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



#26

Pyrene

Concen: 4.77 ng

RT: 19.34 min Scan# 2573

Delta R.T. -0.01 min

Lab File: BE090447.D

Acq: 12 Aug 2015 2:48

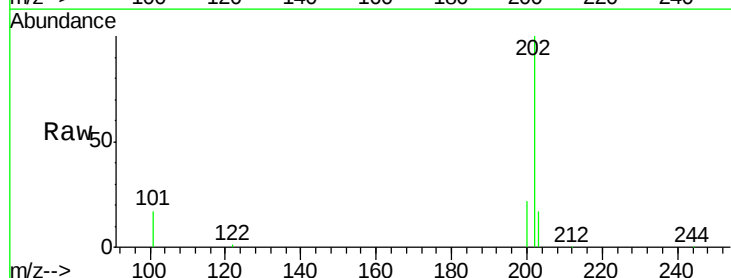
Tgt Ion:202 Resp: 141534

Ion Ratio Lower Upper

202 100

200 21.0 16.7 25.1

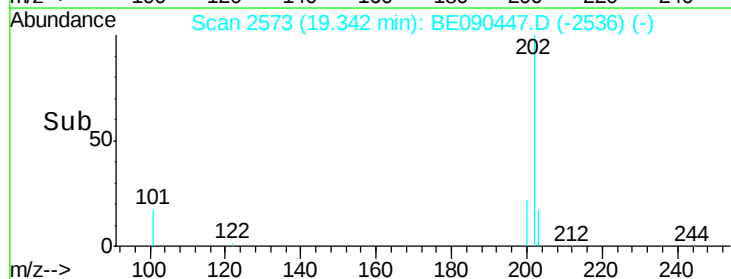
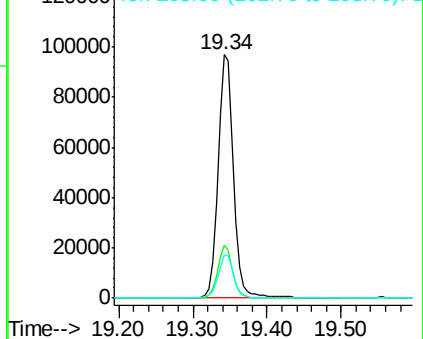
203 18.0 13.8 20.8



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#27

Terphenyl-d14

Concen: 4.54 ng

RT: 19.55 min Scan# 2613

Delta R.T. -0.01 min

Lab File: BE090447.D

Acq: 12 Aug 2015 2:48

Instrument :

BNA_E

ClientSampleId :

PB84962BS

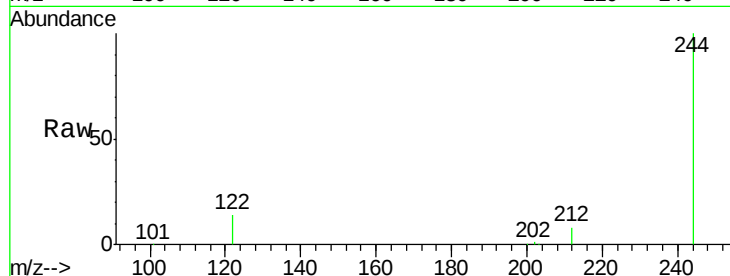
Tgt Ion:244 Resp: 91669

Ion Ratio Lower Upper

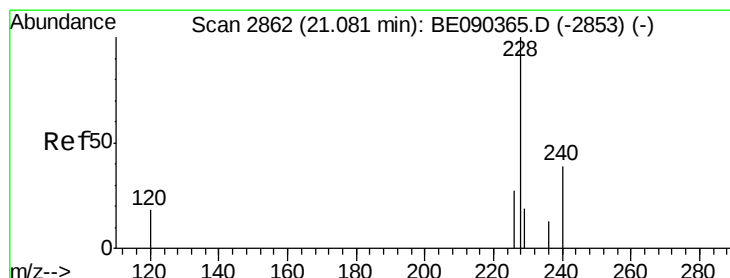
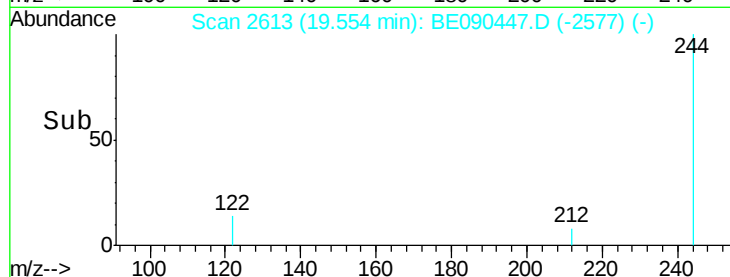
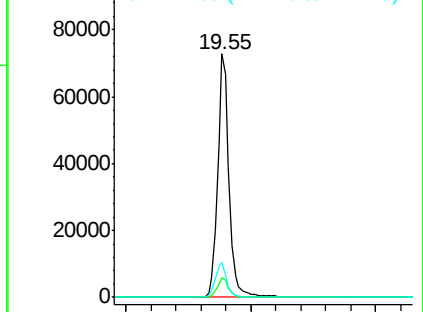
244 100

212 8.3 6.6 9.8

122 14.1 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: 4.56 ng

RT: 21.08 min Scan# 2862

Delta R.T. -0.00 min

Lab File: BE090447.D

Acq: 12 Aug 2015 2:48

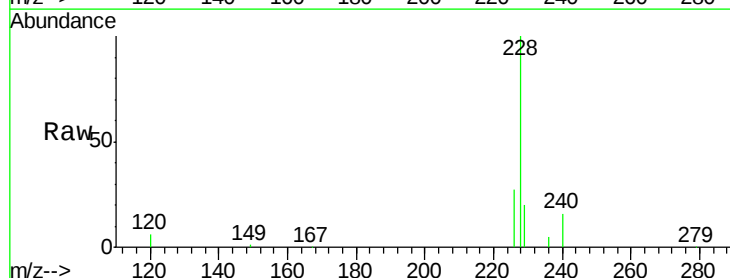
Tgt Ion:228 Resp: 138281

Ion Ratio Lower Upper

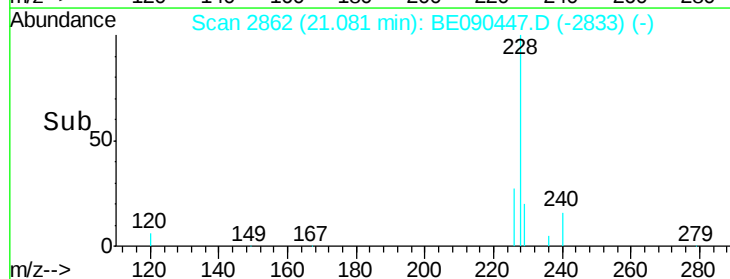
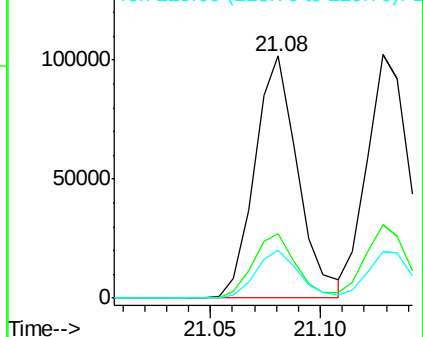
228 100

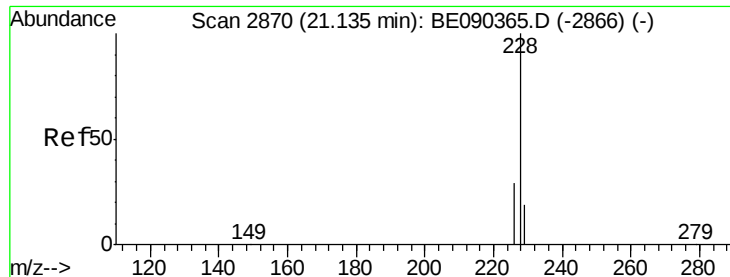
226 26.8 21.9 32.9

229 19.7 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





#29

Chrysene

Concen: 3.98 ng

RT: 21.13 min Scan# 2869

Delta R.T. -0.01 min

Lab File: BE090447.D

Acq: 12 Aug 2015 2:48

Instrument :

BNA_E

ClientSampleId :

PB84962BS

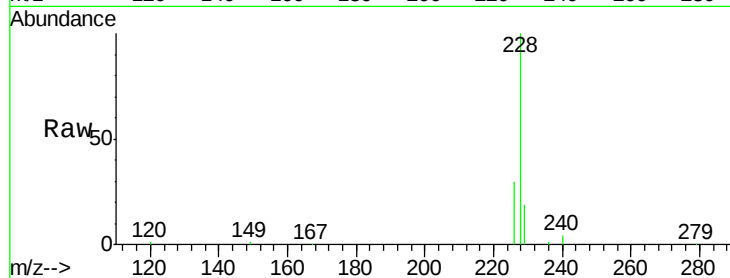
Tgt Ion:228 Resp: 145986

Ion Ratio Lower Upper

228 100

226 30.2 23.1 34.7

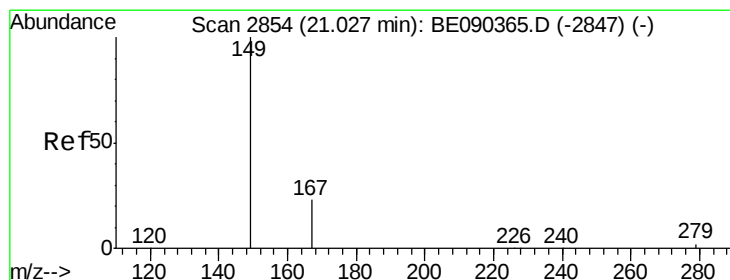
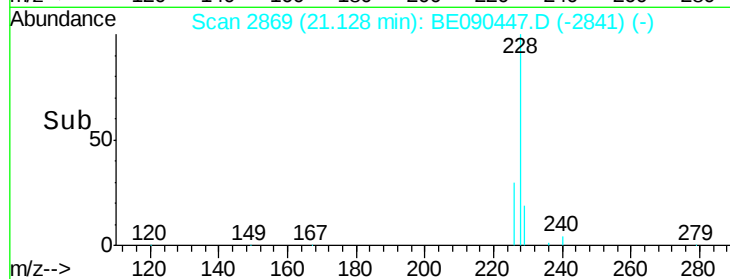
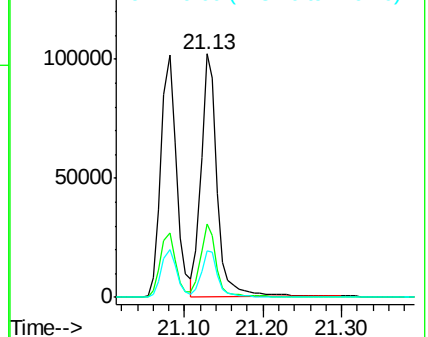
229 18.9 15.8 23.8



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: 4.39 ng

RT: 21.03 min Scan# 2854

Delta R.T. 0.00 min

Lab File: BE090447.D

Acq: 12 Aug 2015 2:48

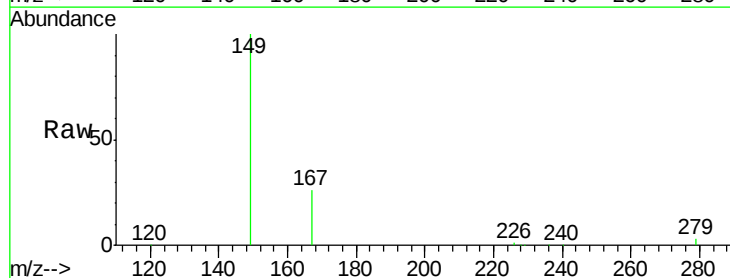
Tgt Ion:149 Resp: 45887

Ion Ratio Lower Upper

149 100

167 25.8 19.8 29.8

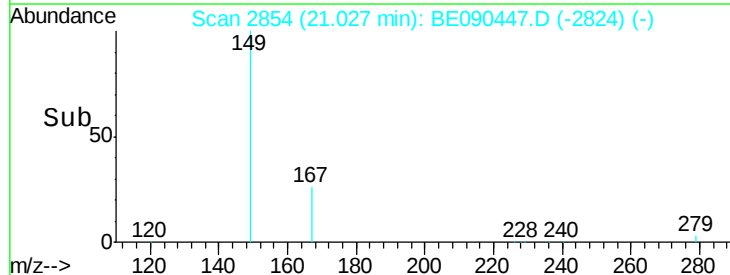
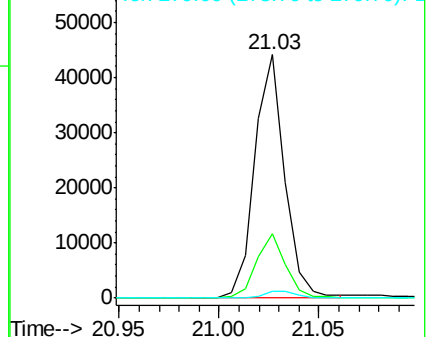
279 3.1 2.4 3.6



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: 3.65 ng

RT: 25.78 min Scan# 3827

Delta R.T. -0.00 min

Lab File: BE090447.D

Acq: 12 Aug 2015 2:48

Instrument :

BNA_E

ClientSampleId :

PB84962BS

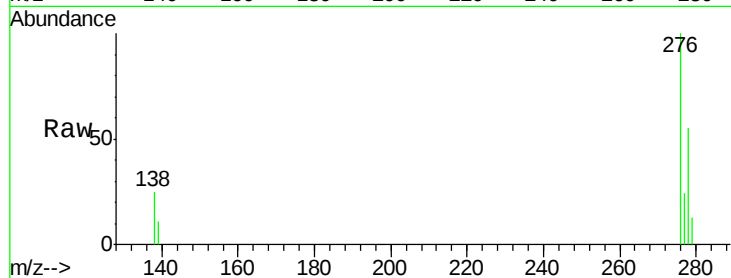
Tgt Ion: 276 Resp: 118278

Ion Ratio Lower Upper

276 100

138 26.4 18.8 28.2

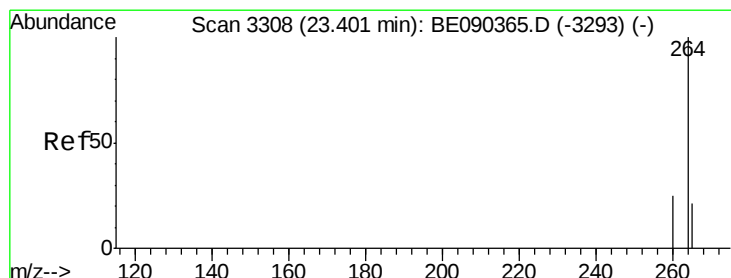
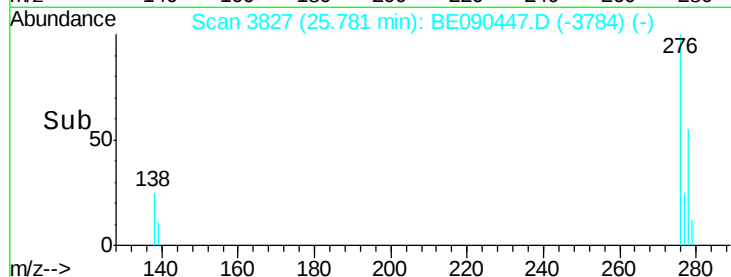
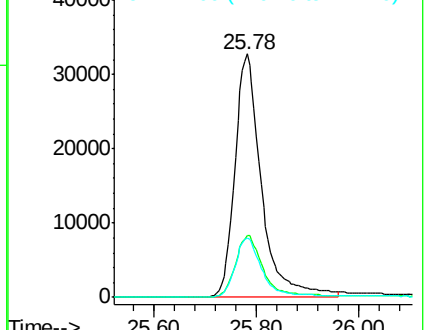
277 24.8 18.2 27.4



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: BE090447.D

Acq: 12 Aug 2015 2:48

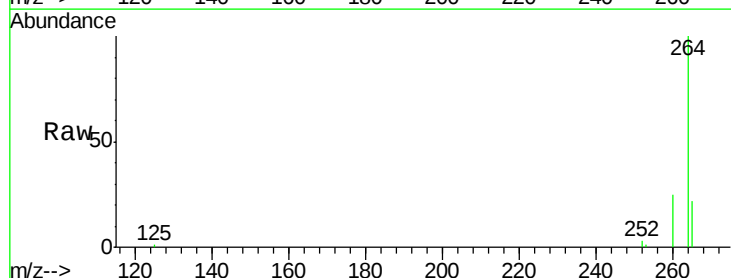
Tgt Ion: 264 Resp: 116006

Ion Ratio Lower Upper

264 100

260 24.9 20.1 30.1

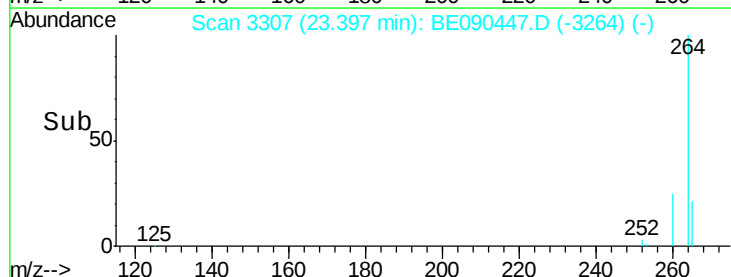
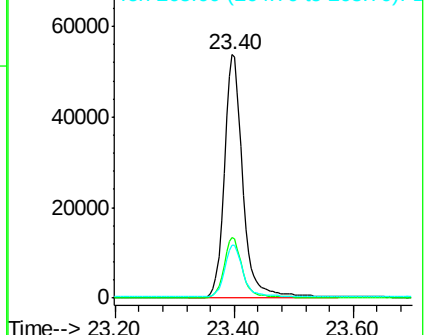
265 21.9 17.2 25.8



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: 4.39 ng

RT: 22.70 min Scan# 3153

Delta R.T. -0.01 min

Lab File: BE090447.D

Acq: 12 Aug 2015 2:48

Instrument :

BNA_E

ClientSampleId :

PB84962BS

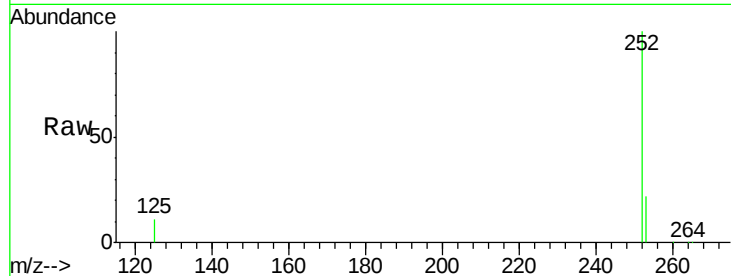
Tgt Ion:252 Resp: 114419

Ion Ratio Lower Upper

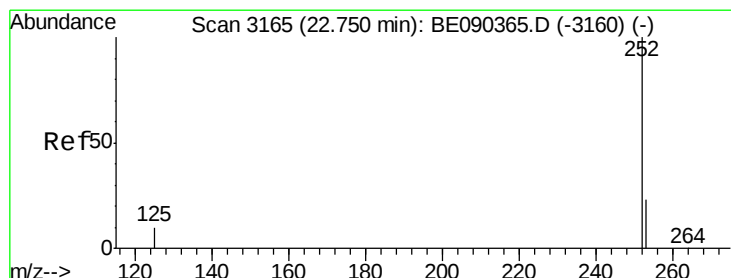
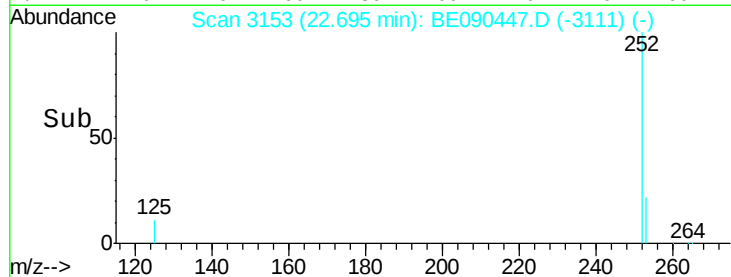
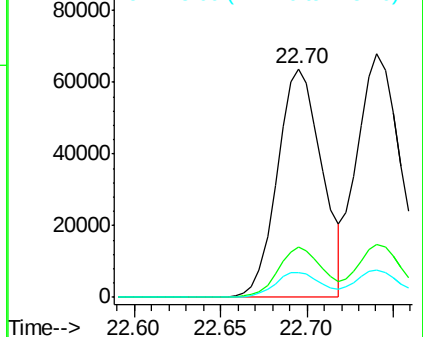
252 100

253 21.8 18.1 27.1

125 11.1 9.4 14.2



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



#34

Benzo(k)fluoranthene

Concen: 4.06 ng

RT: 22.74 min Scan# 3163

Delta R.T. -0.01 min

Lab File: BE090447.D

Acq: 12 Aug 2015 2:48

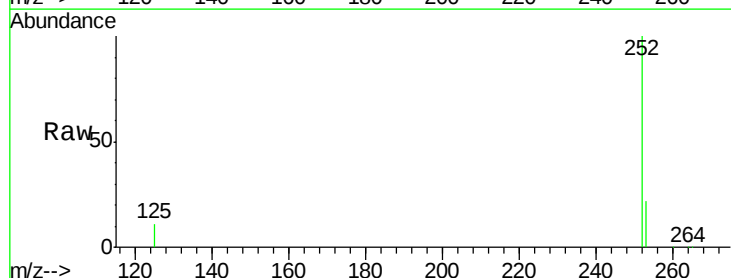
Tgt Ion:252 Resp: 131104

Ion Ratio Lower Upper

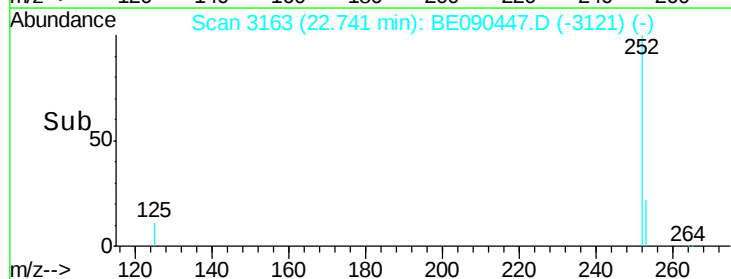
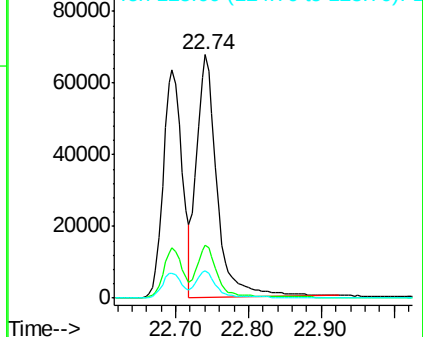
252 100

253 21.7 18.1 27.1

125 11.2 9.1 13.7



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





#35

Benzo(a)pyrene

Concen: 4.20 ng

RT: 23.29 min Scan# 3284

Delta R.T. -0.00 min

Lab File: BE090447.D

Acq: 12 Aug 2015 2:48

Instrument :

BNA_E

ClientSampleId :

PB84962BS

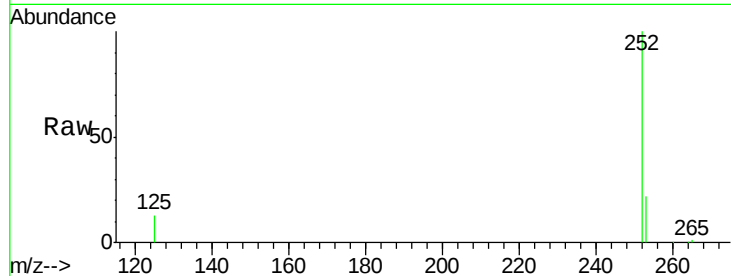
Tgt Ion:252 Resp: 103302

Ion Ratio Lower Upper

252 100

253 21.7 17.6 26.4

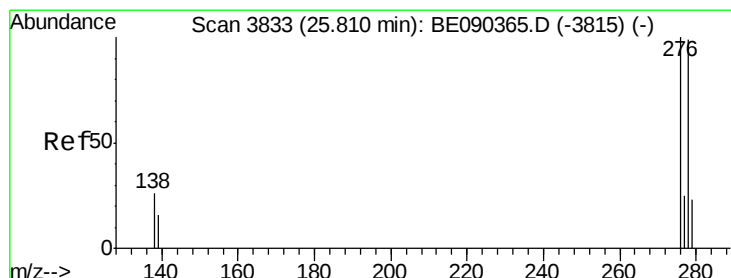
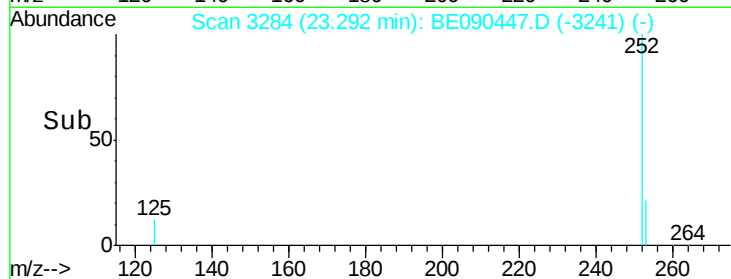
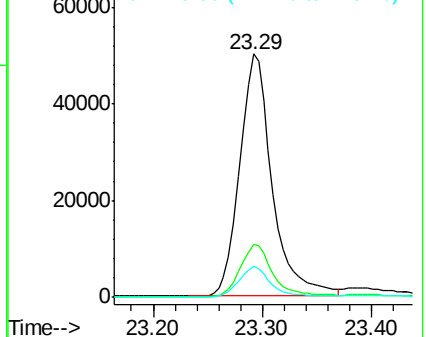
125 12.5 9.8 14.6



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: 3.95 ng

RT: 25.80 min Scan# 3831

Delta R.T. -0.01 min

Lab File: BE090447.D

Acq: 12 Aug 2015 2:48

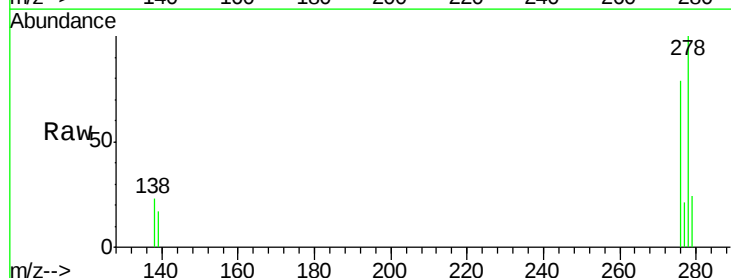
Tgt Ion:278 Resp: 94320

Ion Ratio Lower Upper

278 100

139 17.3 14.2 21.4

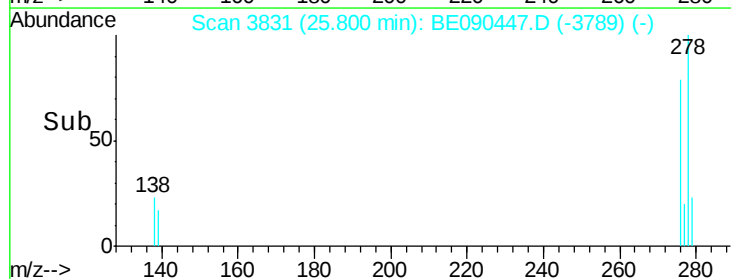
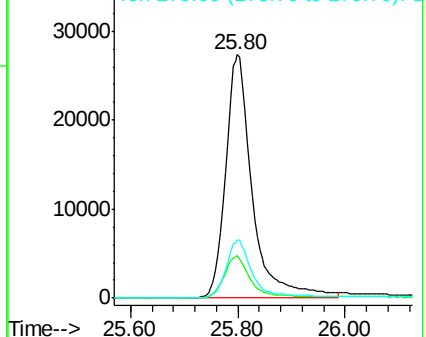
279 23.6 20.1 30.1



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





#37

Benzo(g,h,i)perylene

Concen: 4.89 ng

RT: 26.51 min Scan# 3986

Delta R.T. -0.01 min

Lab File: BE090447.D

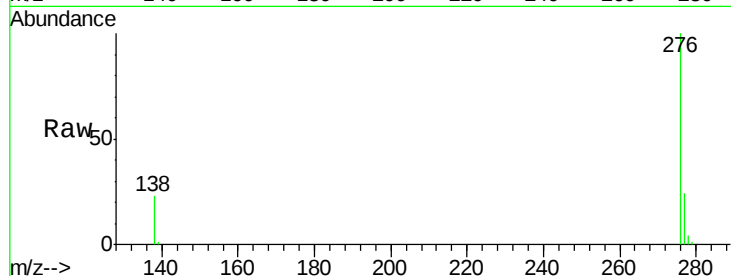
Acq: 12 Aug 2015 2:48

Instrument :

BNA_E

ClientSampleId :

PB84962BS



Tgt Ion: 276 Resp: 104670

Ion Ratio Lower Upper

276 100

277 23.9 20.1 30.1

138 22.9 18.1 27.1

Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

