

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE080316\
 Data File : BE092177.D
 Acq On : 4 Aug 2016 11:14
 Operator : UM/SJ
 Sample : H4176-19MS
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 GW-34-7.0-15.0MS

Quant Time: Aug 04 14:15:06 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-PAH-BE080216.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 02 16:59:37 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	13545	5.00	ng	0.00
6) Naphthalene-d8	10.98	136	58429	5.00	ng	-0.01
10) Acenaphthene-d10	14.83	164	29503	5.00	ng	-0.02
16) Phenanthrene-d10	17.56	188	59855	5.00	ng	-0.02
22) Chrysene-d12	21.75	240	60347	5.00	ng	0.00
28) Perylene-d12	24.14	264	62806	5.00	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.69	112	201208	57.84	ng	0.00
5) Phenol-d6	7.34	99	167332	36.11	ng	-0.01
7) Nitrobenzene-d5	9.34	82	361004	78.30	ng	-0.01
11) 2,4,6-Tribromophenol	16.33	330	125350	130.84	ng	0.00
12) 2-Fluorobiphenyl	13.46	172	635918	68.02	ng	0.00
24) Terphenyl-d14	20.19	244	606491	69.98	ng	-0.02

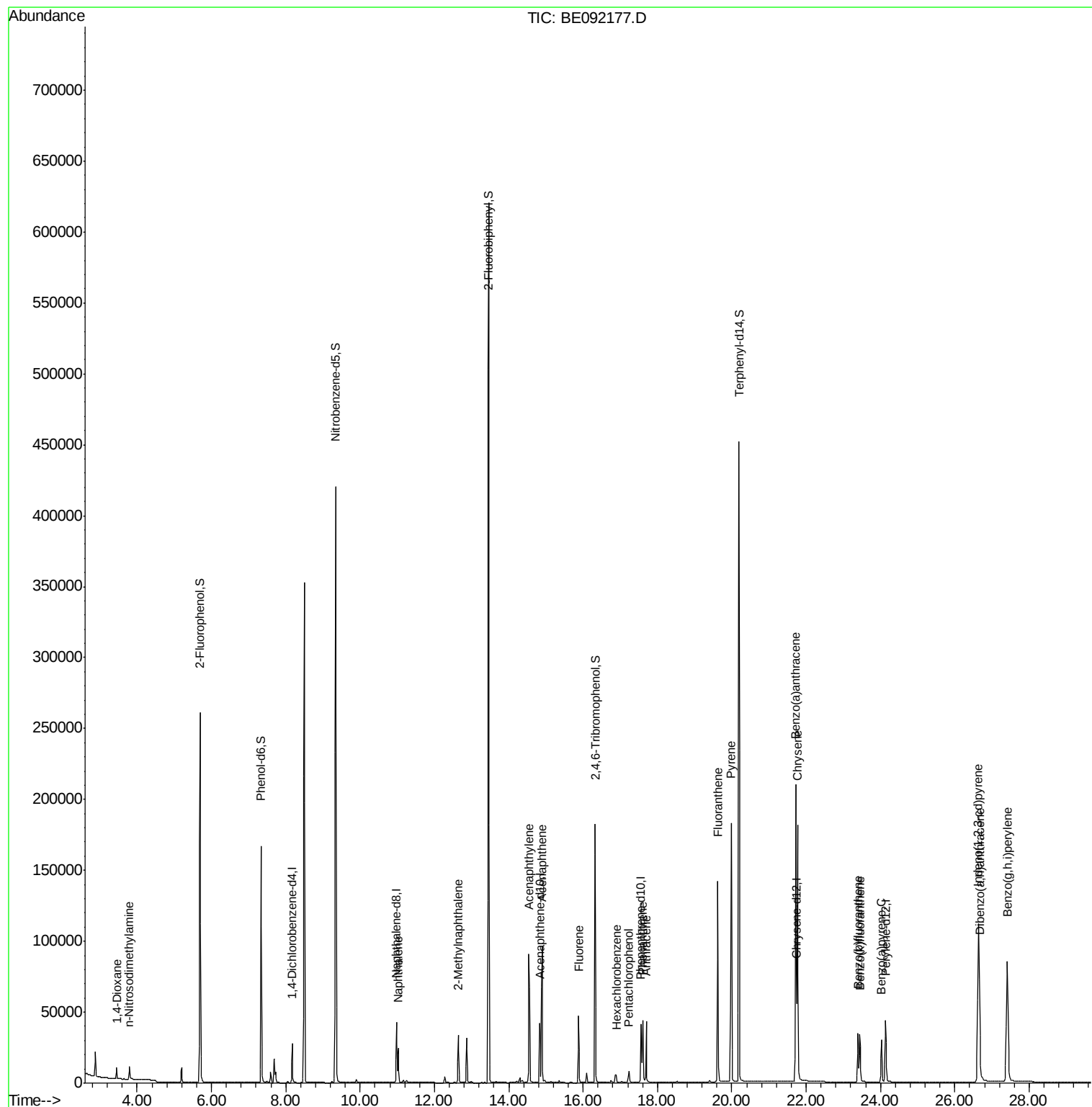
Target Compounds						Qvalue
2) 1,4-Dioxane	3.44	88	4718	2.56	ng	# 80
3) n-Nitrosodimethylamine	3.78	42	7205	2.85	ng	99
8) Naphthalene	11.03	128	36714	2.92	ng	95
9) 2-Methylnaphthalene	12.64	142	24733	2.98	ng	87
13) Acenaphthylene	14.54	152	146778	2.82	ng	97
14) Acenaphthene	14.90	154	23387	2.82	ng	# 99
15) Fluorene	15.88	166	28468	2.71	ng	99
17) Hexachlorobenzene	16.89	284	7468	2.55	ng	# 38
18) Pentachlorophenol	17.24	266	6830	6.24	ng	# 82
19) Phenanthrene	17.60	178	49535	3.03	ng	99
20) Anthracene	17.70	178	50575	3.17	ng	99
21) Fluoranthene	19.63	202	196881	2.69	ng	97
23) Pyrene	19.99	202	208699	3.31	ng	98
25) Benzo(a)anthracene	21.72	228	204306	3.08	ng	96
26) Chrysene	21.77	228	177531	2.67	ng	# 84
27) Indeno(1,2,3-cd)pyrene	26.63	276	240135	3.33	ng	99
29) Benzo(b)fluoranthene	23.40	252	48039	2.80	ng	98
30) Benzo(k)fluoranthene	23.45	252	47563	2.89	ng	96
31) Benzo(a)pyrene	24.02	252	48286	3.06	ng	95
32) Dibenzo(a,h)anthracene	26.67	278	50173	3.33	ng	# 93
33) Benzo(g,h,i)perylene	27.42	276	210464	3.27	ng	95

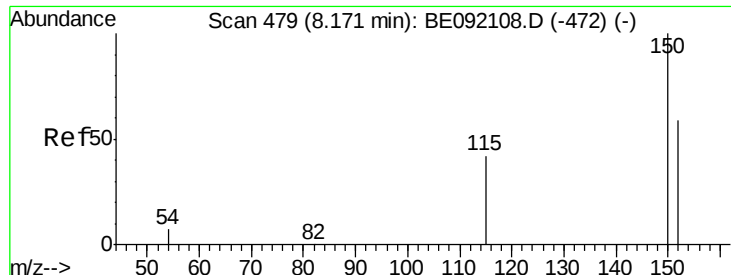
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.17 min Scan# 479

Delta R.T. -0.00 min

Lab File: BE092177.D

Acq: 4 Aug 2016 11:14

Instrument :

BNA_E

ClientSampleId :

GW-34-7.0-15.0MS

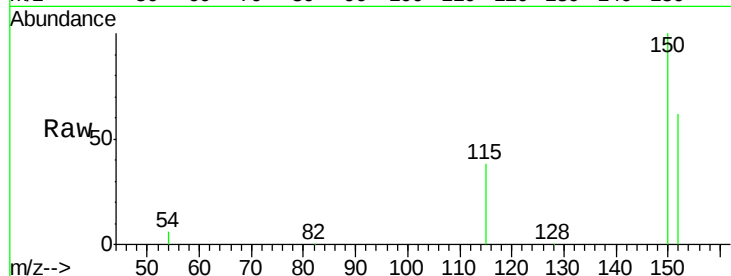
Tgt Ion:152 Resp: 13545

Ion Ratio Lower Upper

152 100

150 161.2 106.0 159.0#

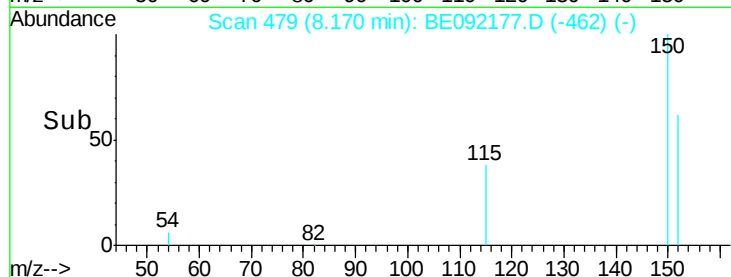
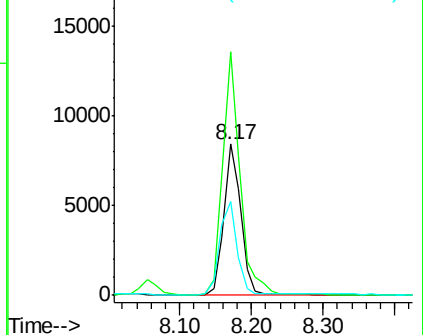
115 62.0 36.9 55.3#



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: 2.56 ng

RT: 3.44 min Scan# 74

Delta R.T. -0.00 min

Lab File: BE092177.D

Acq: 4 Aug 2016 11:14

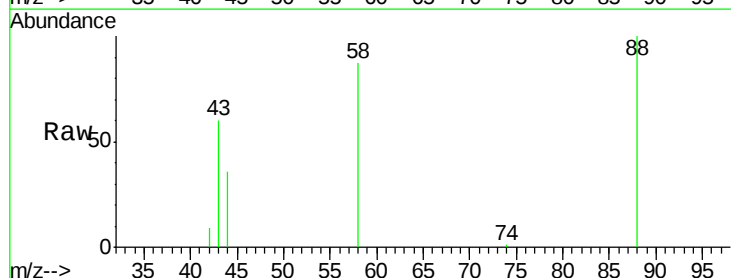
Tgt Ion: 88 Resp: 4718

Ion Ratio Lower Upper

88 100

58 90.5 62.1 93.1

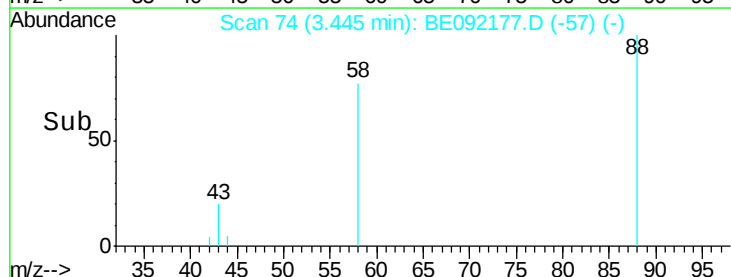
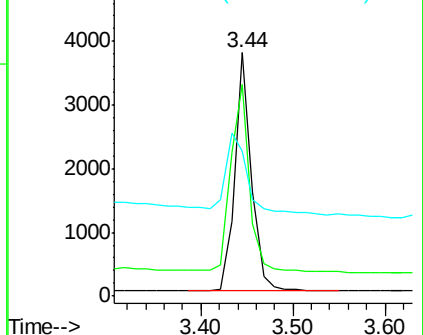
43 51.7 27.2 40.8#

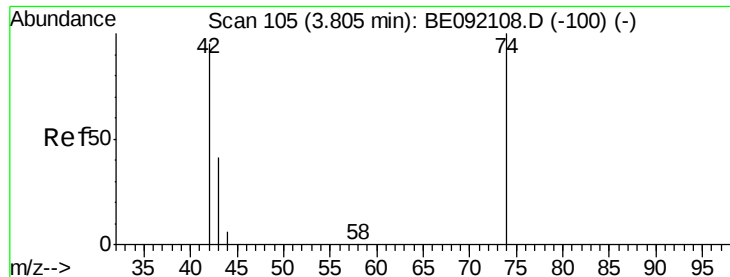


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0



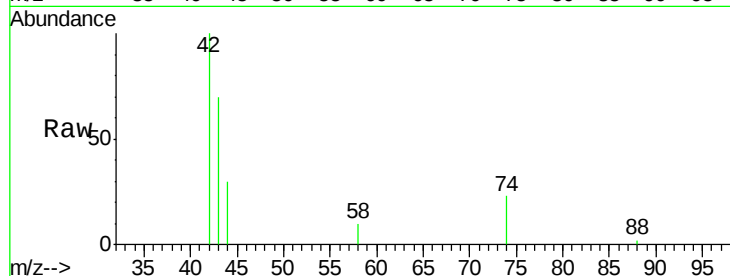


#3

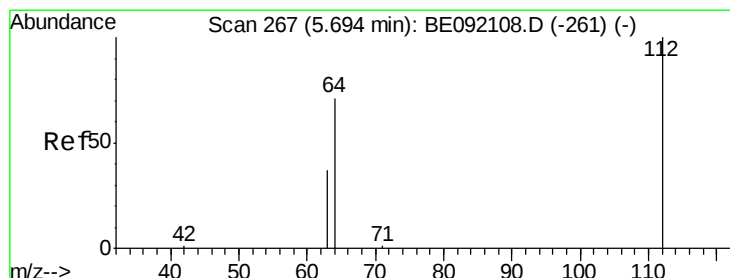
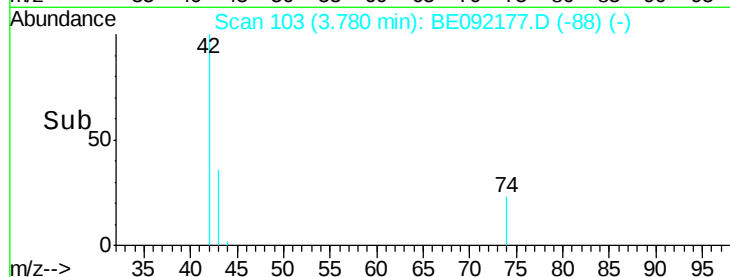
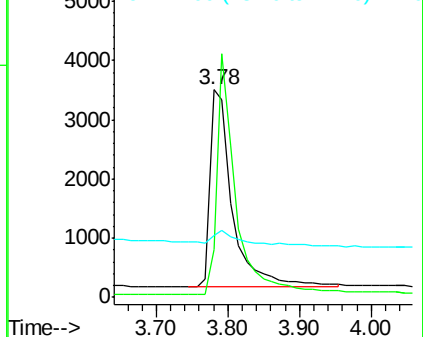
n-Nitrosodimethylamine
 Concen: 2.85 ng
 RT: 3.78 min Scan# 103
 Delta R.T. -0.02 min
 Lab File: BE092177.D
 Acq: 4 Aug 2016 11:14

Instrument :
 BNA_E
 ClientSampleId :
 GW-34-7.0-15.0MS

Tgt Ion: 42 Resp: 7205
 Ion Ratio Lower Upper
 42 100
 74 102.4 82.8 124.2
 44 9.8 9.0 13.4



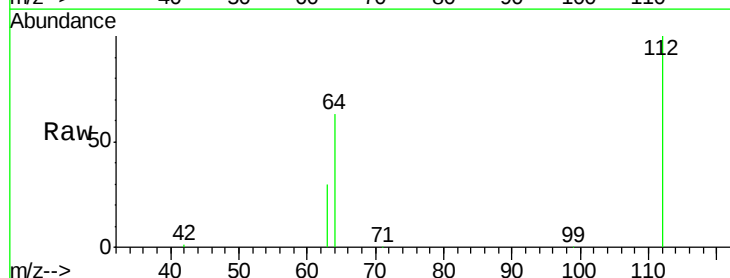
Abundance Ion 42.00 (41.70 to 42.70): BE0
 Ion 74.00 (73.70 to 74.70): BE0
 Ion 44.00 (43.70 to 44.70): BE0



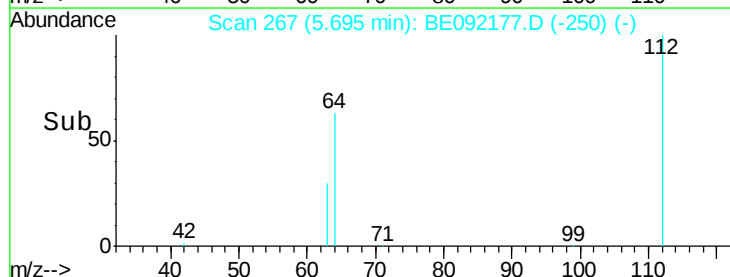
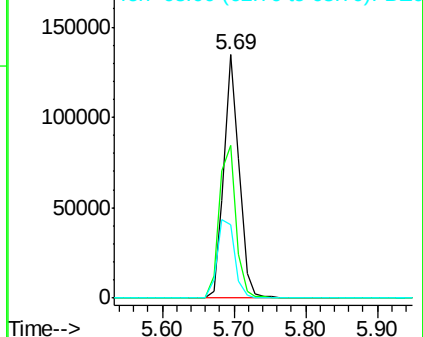
#4

2-Fluorophenol
 Concen: 57.84 ng
 RT: 5.69 min Scan# 267
 Delta R.T. 0.00 min
 Lab File: BE092177.D
 Acq: 4 Aug 2016 11:14

Tgt Ion: 112 Resp: 201208
 Ion Ratio Lower Upper
 112 100
 64 68.4 55.9 83.9
 63 36.9 31.1 46.7



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: 36.11 ng

RT: 7.34 min Scan# 409

Delta R.T. -0.01 min

Lab File: BE092177.D

Acq: 4 Aug 2016 11:14

Instrument :

BNA_E

ClientSampleId :

GW-34-7.0-15.0MS

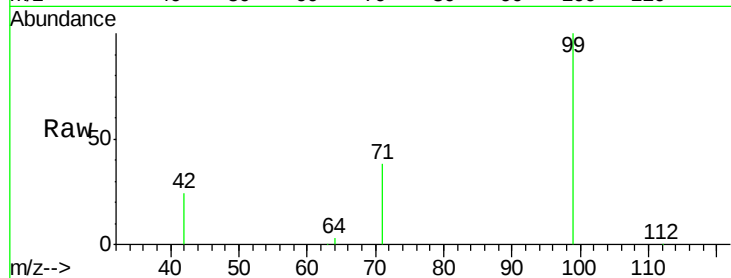
Tgt Ion: 99 Resp: 167332

Ion Ratio Lower Upper

99 100

42 25.1 22.4 33.6

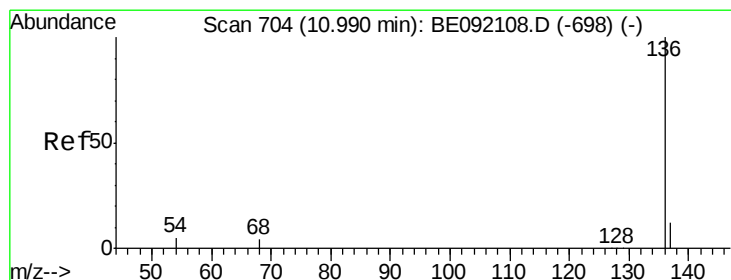
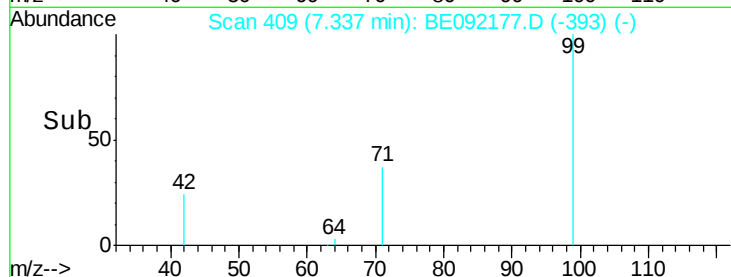
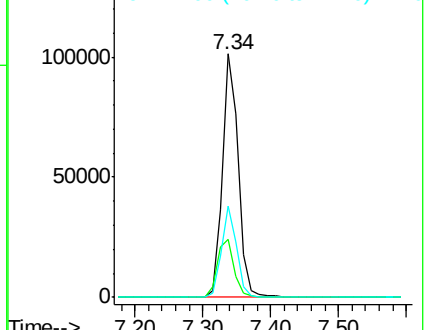
71 35.8 28.9 43.3



Abundance Ion 99.00 (98.70 to 99.70): BE092108.D (-403) (-)

Ion 42.00 (41.70 to 42.70): BE092108.D (-403) (-)

Ion 71.00 (70.70 to 71.70): BE092108.D (-403) (-)



#6

Naphthalene-d8

Concen: 5.00 ng

RT: 10.98 min Scan# 703

Delta R.T. -0.01 min

Lab File: BE092177.D

Acq: 4 Aug 2016 11:14

Tgt Ion: 136 Resp: 58429

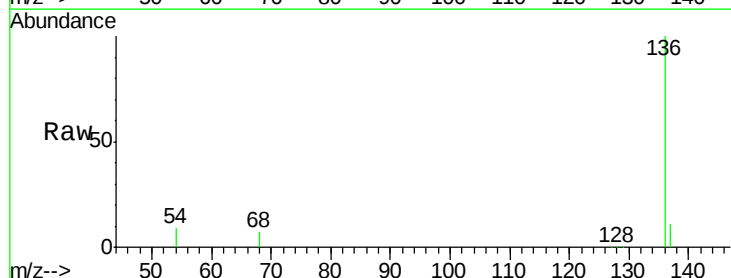
Ion Ratio Lower Upper

136 100

137 10.5 9.1 13.7

54 9.1 2.7 4.1#

68 6.5 2.2 3.4#

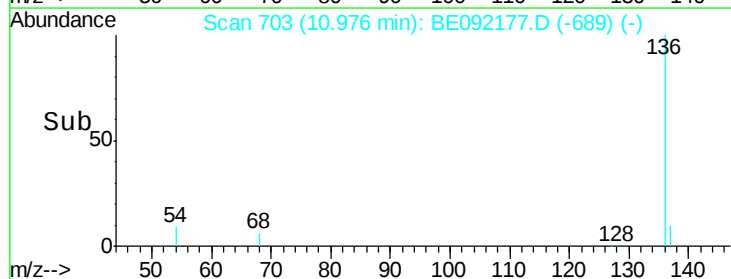
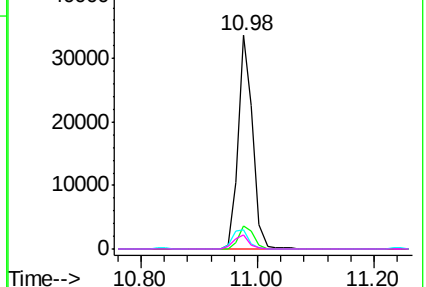


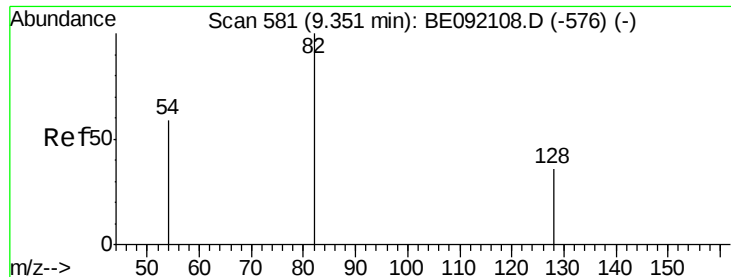
Abundance Ion 136.00 (135.70 to 136.70): BE092108.D (-698) (-)

Ion 137.00 (136.70 to 137.70): BE092108.D (-698) (-)

Ion 54.00 (53.70 to 54.70): BE092108.D (-698) (-)

Ion 68.00 (67.70 to 68.70): BE092108.D (-698) (-)





#7

Nitrobenzene-d5

Concen: 78.30 ng

RT: 9.34 min Scan# 580

Delta R.T. -0.01 min

Lab File: BE092177.D

Acq: 4 Aug 2016 11:14

Instrument :

BNA_E

ClientSampleId :

GW-34-7.0-15.0MS

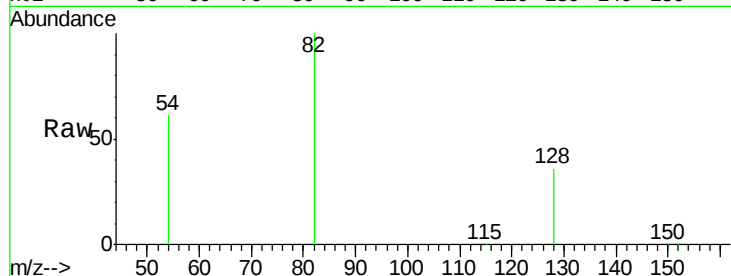
Tgt Ion: 82 Resp: 361004

Ion Ratio Lower Upper

82 100

128 35.6 33.0 49.4

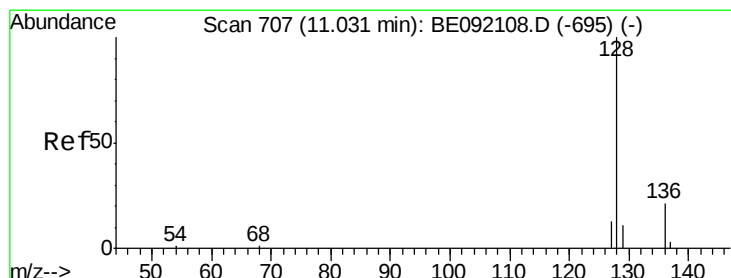
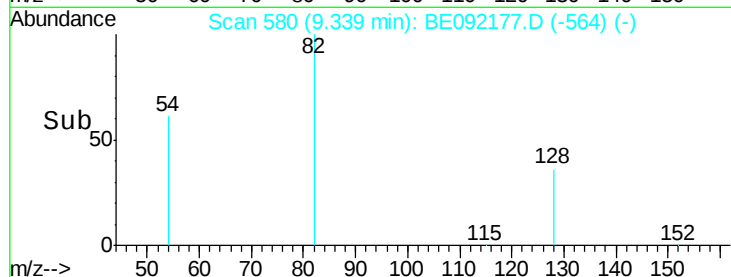
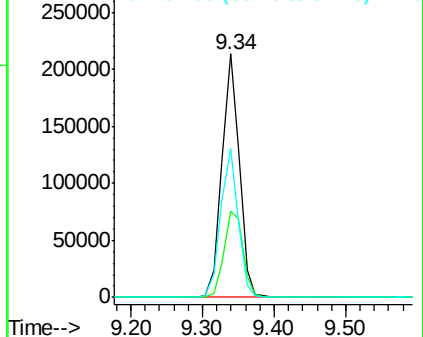
54 61.3 42.6 63.8



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

Naphthalene

Concen: 2.92 ng

RT: 11.03 min Scan# 707

Delta R.T. 0.00 min

Lab File: BE092177.D

Acq: 4 Aug 2016 11:14

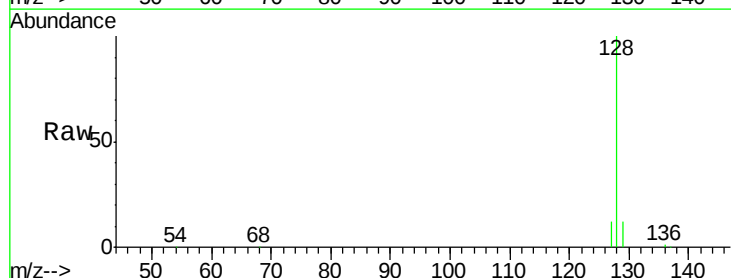
Tgt Ion: 128 Resp: 36714

Ion Ratio Lower Upper

128 100

129 11.7 11.1 16.7

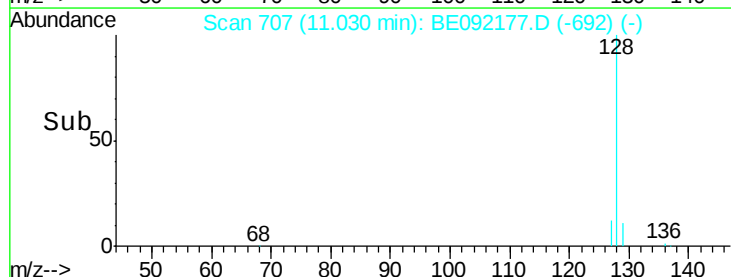
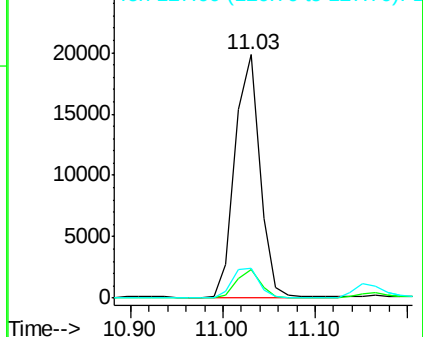
127 12.1 11.3 16.9

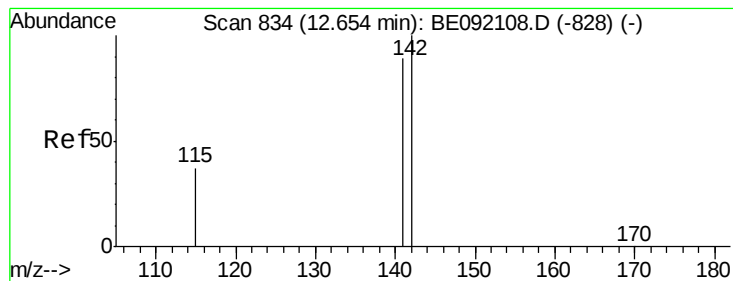


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#9

2-Methylnaphthalene

Concen: 2.98 ng

RT: 12.64 min Scan# 833

Delta R.T. -0.01 min

Lab File: BE092177.D

Acq: 4 Aug 2016 11:14

Instrument :

BNA_E

ClientSampleId :

GW-34-7.0-15.0MS

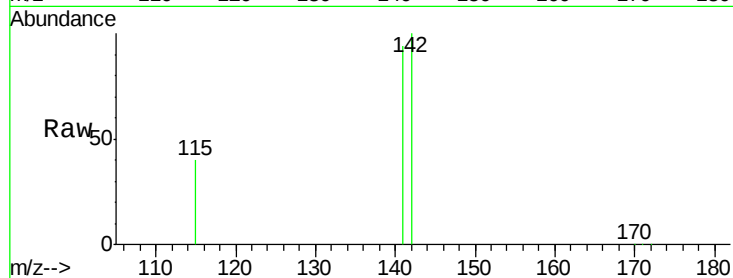
Tgt Ion:142 Resp: 24733

Ion Ratio Lower Upper

142 100

141 94.4 65.1 97.7

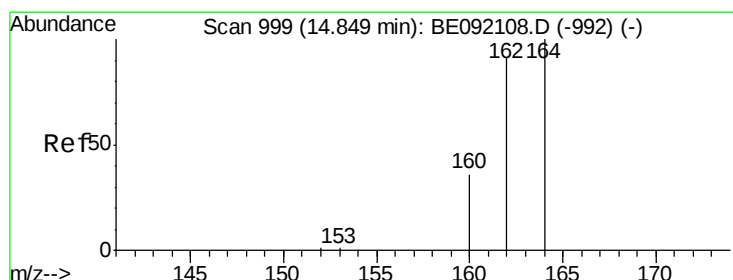
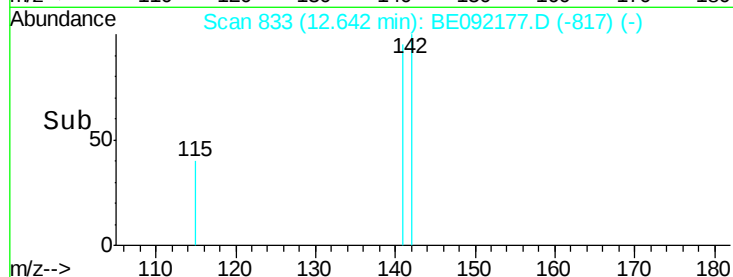
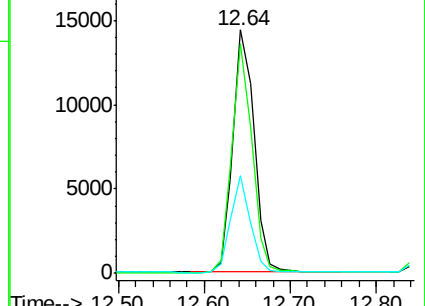
115 39.9 27.0 40.4



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



#10

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.83 min Scan# 998

Delta R.T. -0.02 min

Lab File: BE092177.D

Acq: 4 Aug 2016 11:14

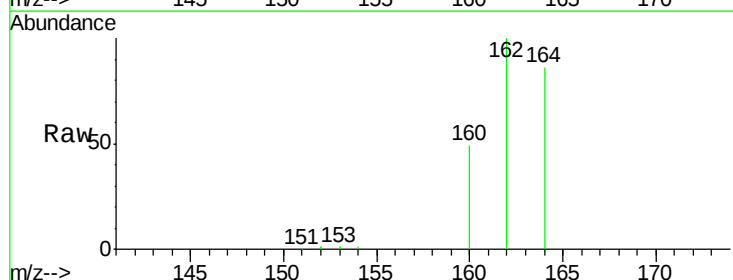
Tgt Ion:164 Resp: 29503

Ion Ratio Lower Upper

164 100

162 116.1 69.5 104.3#

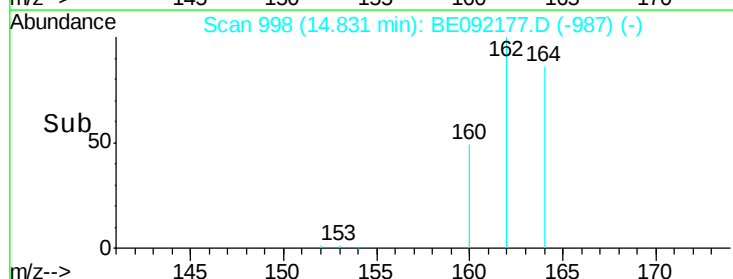
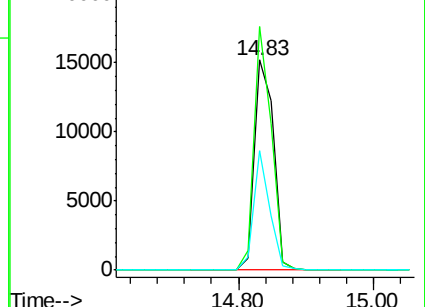
160 56.8 27.6 41.4#

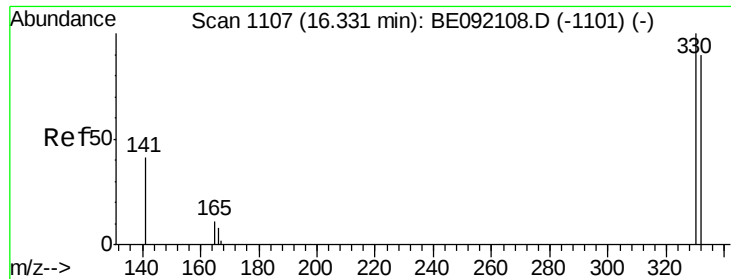


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

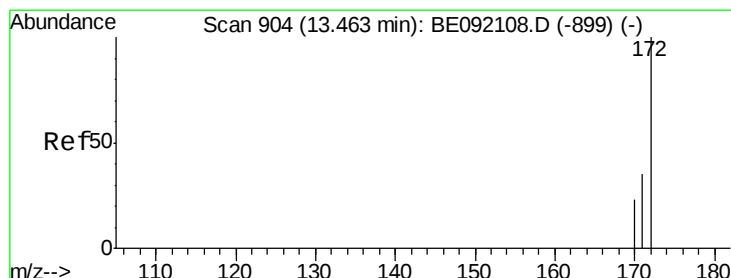
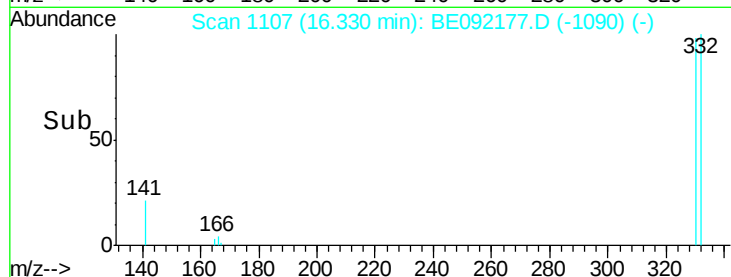
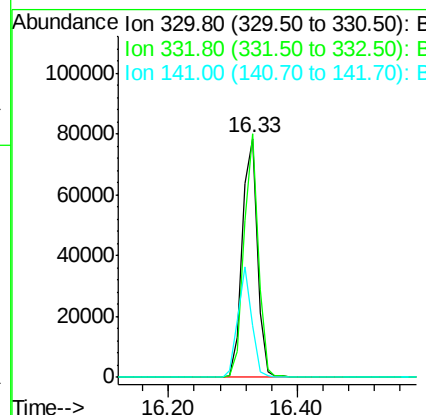
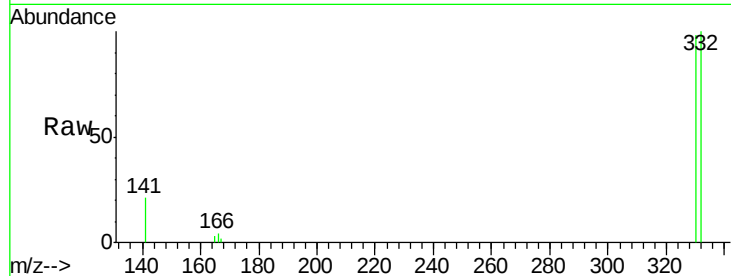




#11
 2,4,6-Tribromophenol
 Concen: 130.84 ng
 RT: 16.33 min Scan# 1107
 Delta R.T. -0.00 min
 Lab File: BE092177.D
 Acq: 4 Aug 2016 11:14

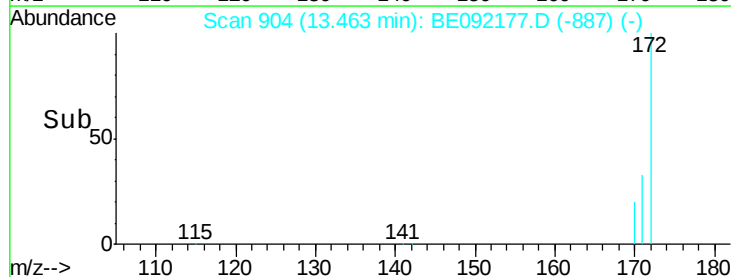
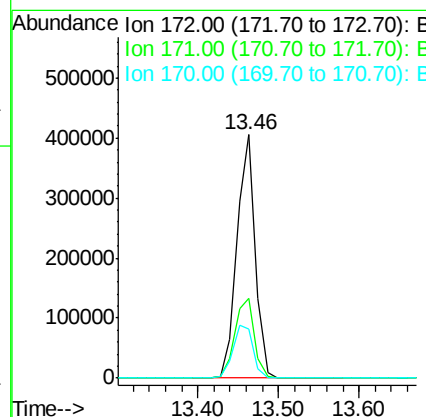
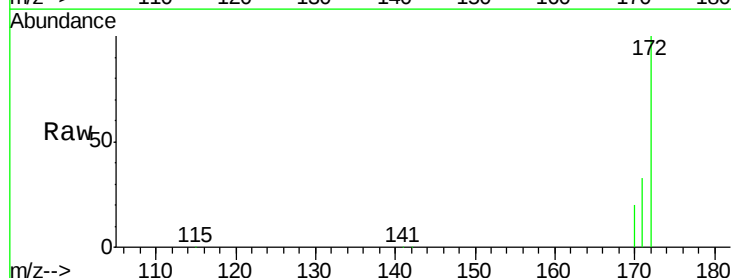
Instrument :
 BNA_E
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 GW-34-7.0-15.0MS

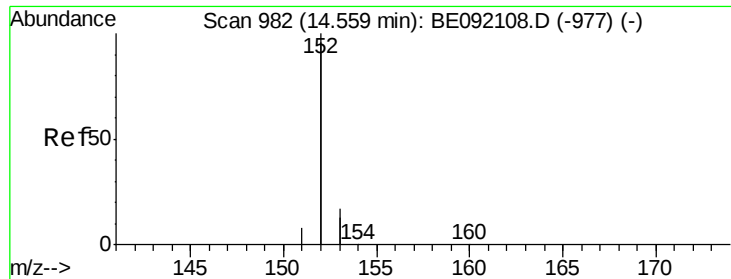
Tgt Ion:330 Resp: 125350
 Ion Ratio Lower Upper
 330 100
 332 95.8 74.2 111.4
 141 42.5 139.8 209.8#



#12
 2-Fluorobiphenyl
 Concen: 68.02 ng
 RT: 13.46 min Scan# 904
 Delta R.T. -0.00 min
 Lab File: BE092177.D
 Acq: 4 Aug 2016 11:14

Tgt Ion:172 Resp: 635918
 Ion Ratio Lower Upper
 172 100
 171 32.5 30.3 45.5
 170 20.0 21.6 32.4#

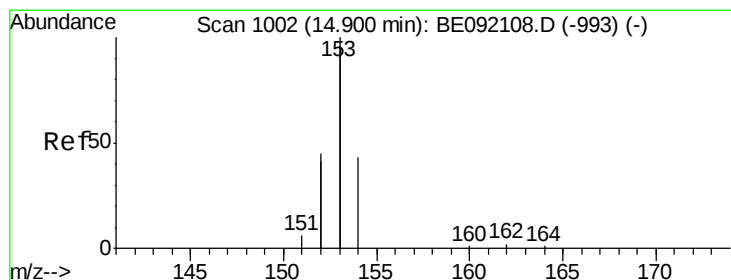
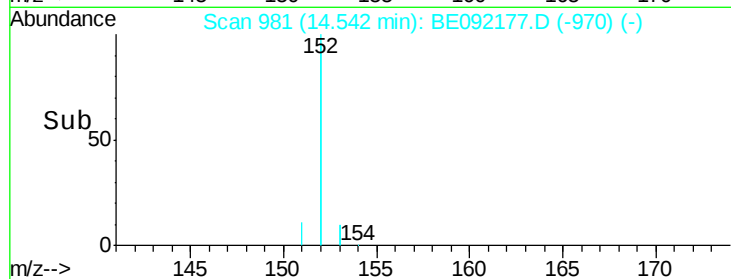
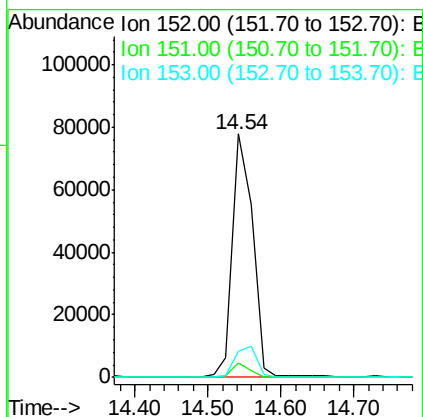
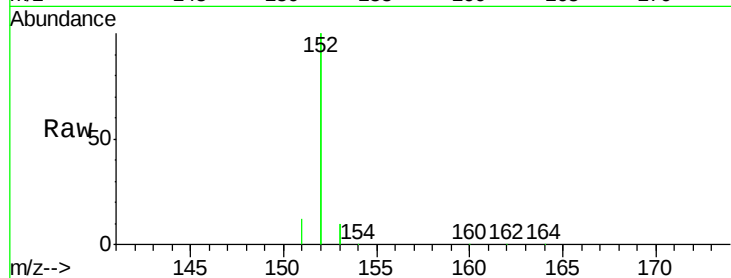




#13
Acenaphthylene
Concen: 2.82 ng
RT: 14.54 min Scan# 981
Delta R.T. -0.02 min
Lab File: BE092177.D
Acq: 4 Aug 2016 11:14

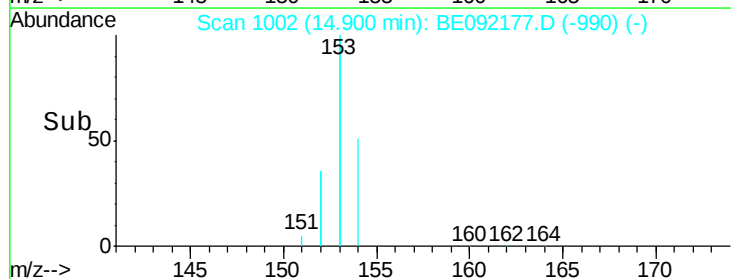
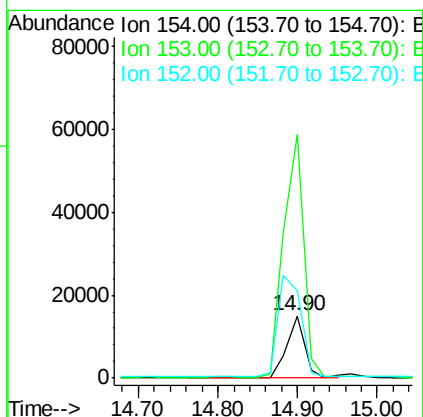
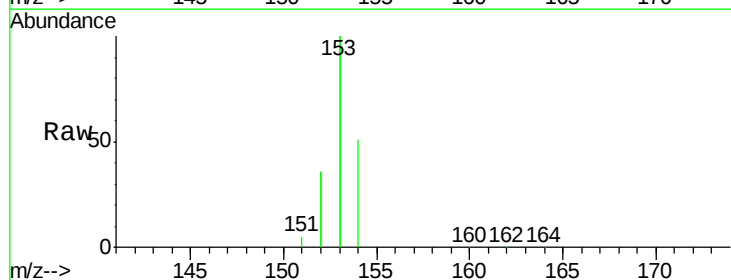
Instrument :
BNA_E
ClientSampleId :
GW-34-7.0-15.0MS

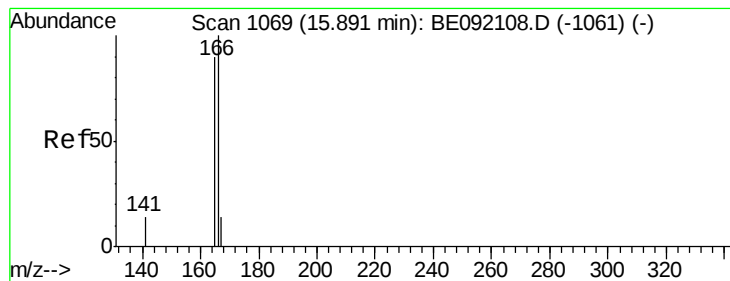
Tgt Ion:152 Resp: 146778
Ion Ratio Lower Upper
152 100
151 4.9 4.0 6.0
153 13.4 9.6 14.4



#14
Acenaphthene
Concen: 2.82 ng
RT: 14.90 min Scan# 1002
Delta R.T. -0.00 min
Lab File: BE092177.D
Acq: 4 Aug 2016 11:14

Tgt Ion:154 Resp: 23387
Ion Ratio Lower Upper
154 100
153 433.8 345.1 517.7
152 209.1 0.0 0.0#





#15

Fluorene

Concen: 2.71 ng

RT: 15.88 min Scan# 1068

Delta R.T. -0.01 min

Lab File: BE092177.D

Acq: 4 Aug 2016 11:14

Instrument :

BNA_E

ClientSampleId :

GW-34-7.0-15.0MS

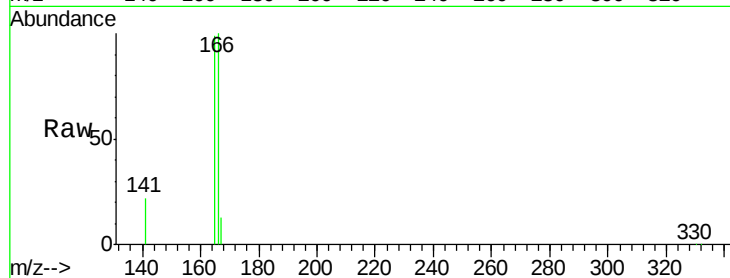
Tgt Ion:166 Resp: 28468

Ion Ratio Lower Upper

166 100

165 98.9 78.6 118.0

167 13.4 11.1 16.7



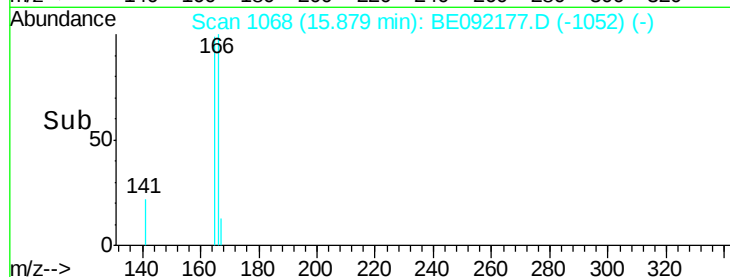
Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

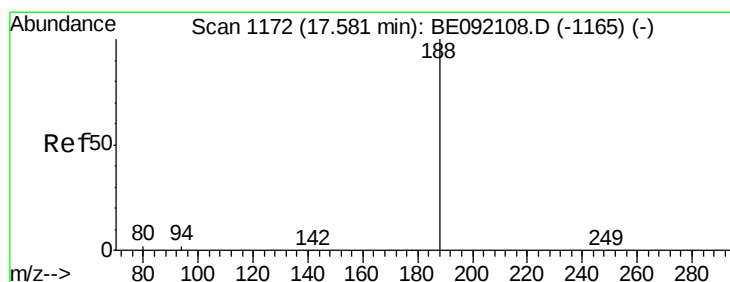
Ion 167.00 (166.70 to 167.70): E

15.88

Time-->



Time-->



#16

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.56 min Scan# 1171

Delta R.T. -0.02 min

Lab File: BE092177.D

Acq: 4 Aug 2016 11:14

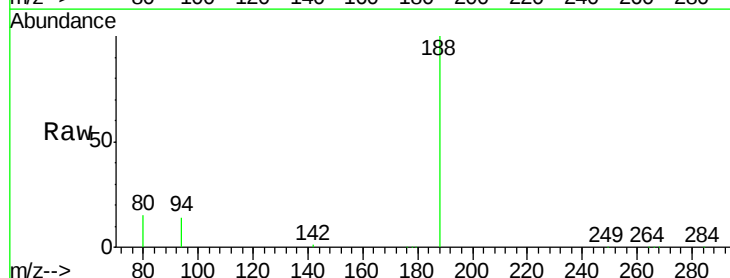
Tgt Ion:188 Resp: 59855

Ion Ratio Lower Upper

188 100

94 14.4 3.9 5.9#

80 14.7 3.4 5.0#



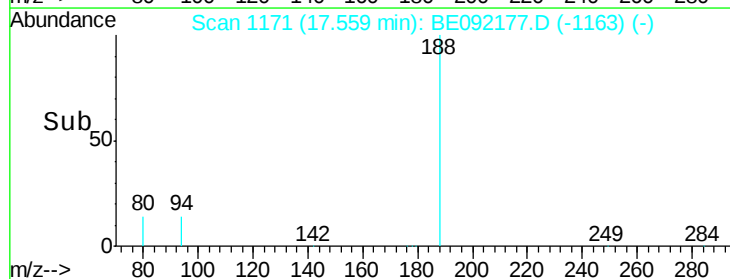
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0

17.56

Time-->





#17

Hexachlorobenzene

Concen: 2.55 ng

RT: 16.89 min Scan# 1142

Delta R.T. 0.00 min

Lab File: BE092177.D

Acq: 4 Aug 2016 11:14

Instrument :

BNA_E

ClientSampleId :

GW-34-7.0-15.0MS

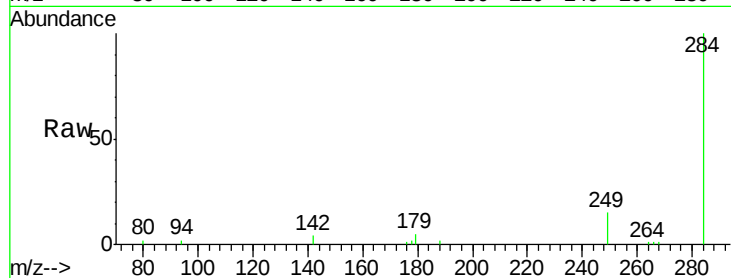
Tgt Ion:284 Resp: 7468

Ion Ratio Lower Upper

284 100

142 0.0 33.3 49.9#

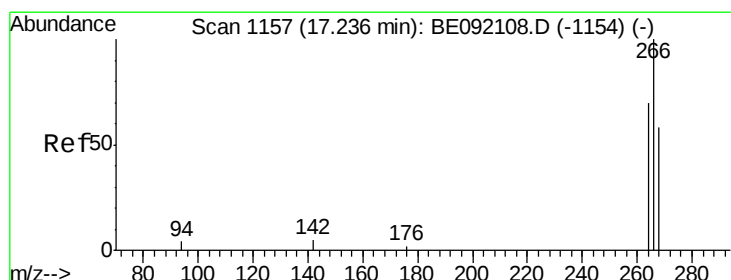
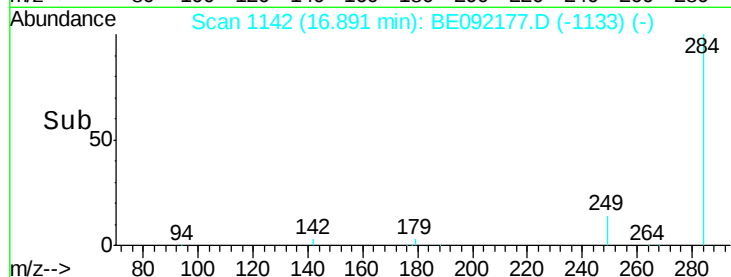
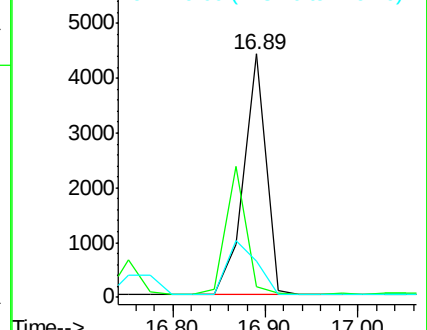
249 0.0 25.4 38.0#



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#18

Pentachlorophenol

Concen: 6.24 ng

RT: 17.24 min Scan# 1157

Delta R.T. 0.00 min

Lab File: BE092177.D

Acq: 4 Aug 2016 11:14

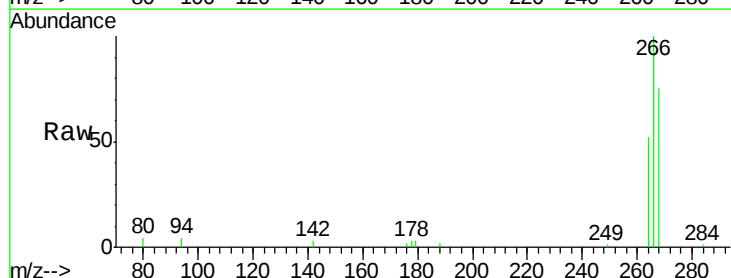
Tgt Ion:266 Resp: 6830

Ion Ratio Lower Upper

266 100

268 74.5 62.7 94.1

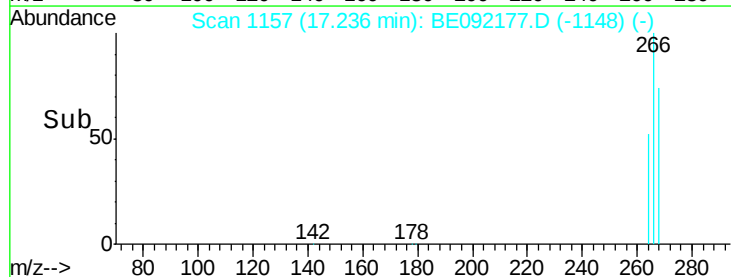
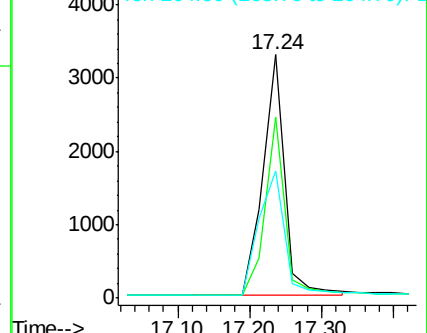
264 52.2 63.5 95.3#

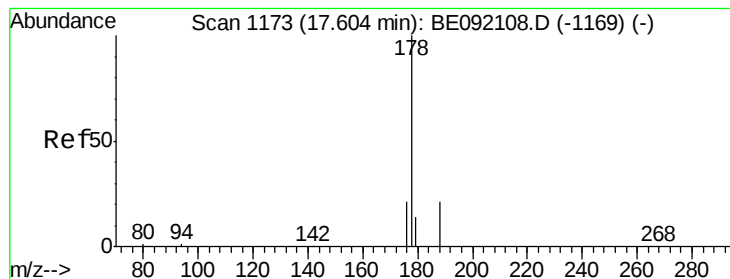


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#19

Phenanthrene

Concen: 3.03 ng

RT: 17.60 min Scan# 1173

Delta R.T. 0.00 min

Lab File: BE092177.D

Acq: 4 Aug 2016 11:14

Instrument :

BNA_E

ClientSampleId :

GW-34-7.0-15.0MS

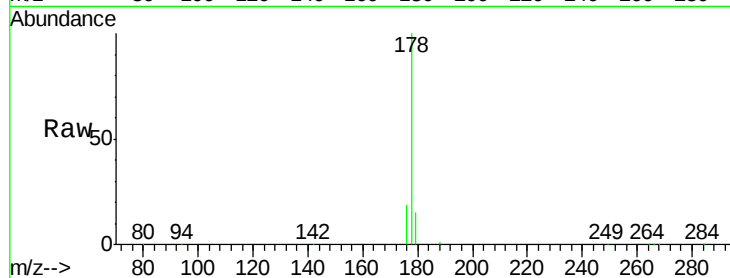
Tgt Ion:178 Resp: 49535

Ion Ratio Lower Upper

178 100

176 19.1 15.4 23.0

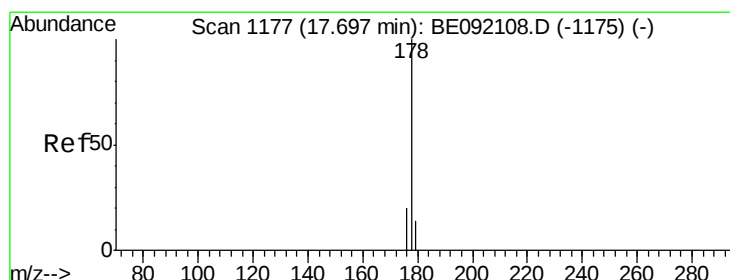
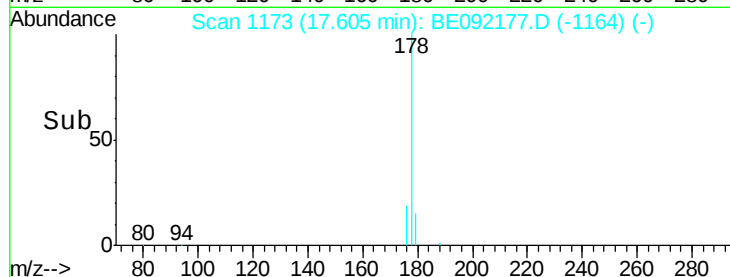
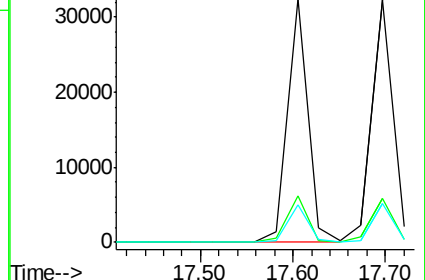
179 15.4 12.7 19.1



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



#20

Anthracene

Concen: 3.17 ng

RT: 17.70 min Scan# 1177

Delta R.T. 0.00 min

Lab File: BE092177.D

Acq: 4 Aug 2016 11:14

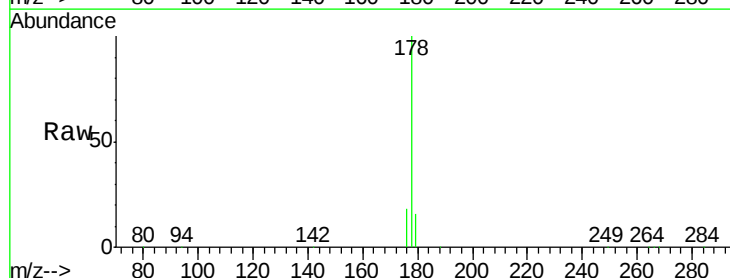
Tgt Ion:178 Resp: 50575

Ion Ratio Lower Upper

178 100

176 18.2 15.2 22.8

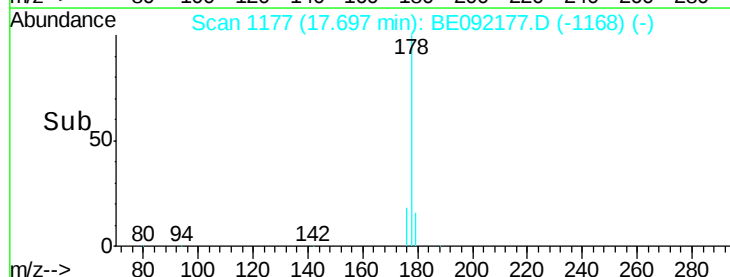
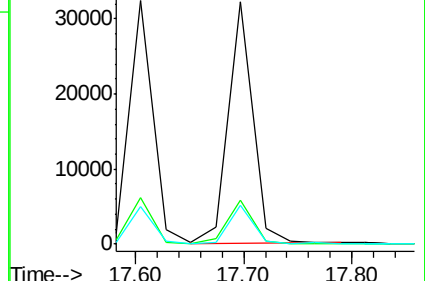
179 15.7 12.2 18.4



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





#21

Fluoranthene

Concen: 2.69 ng

RT: 19.63 min Scan# 1284

Delta R.T. -0.00 min

Lab File: BE092177.D

Acq: 4 Aug 2016 11:14

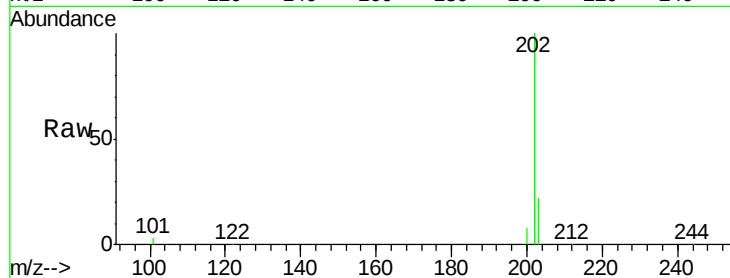
Instrument :

BNA_E

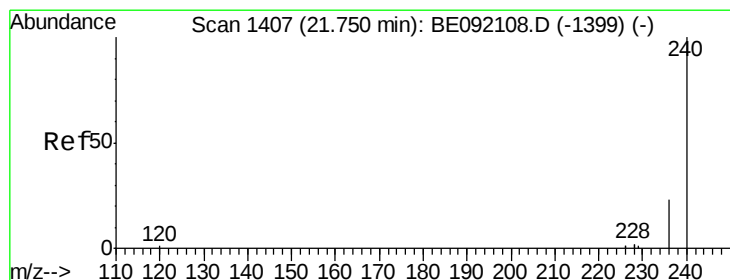
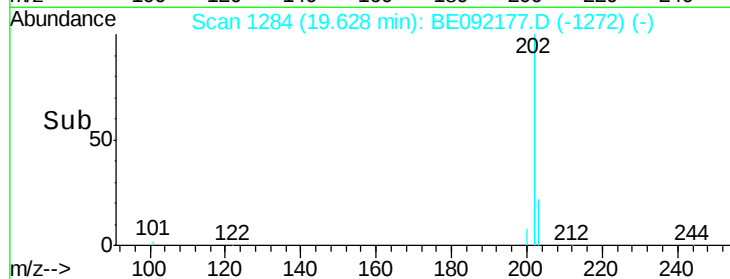
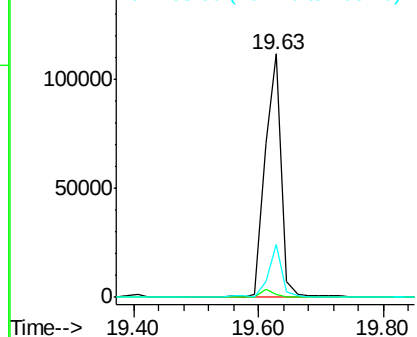
ClientSampleId :

GW-34-7.0-15.0MS

Tgt Ion:	202	Resp:	196881
Ion	Ratio	Lower	Upper
202	100		
101	2.9	2.2	3.2
203	17.8	13.0	19.4



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



#22

Chrysene-d12

Concen: 5.00 ng

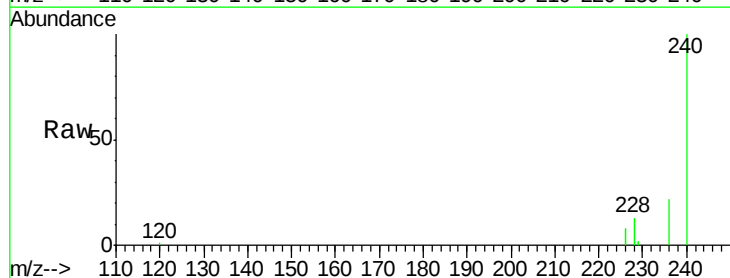
RT: 21.75 min Scan# 1407

Delta R.T. -0.00 min

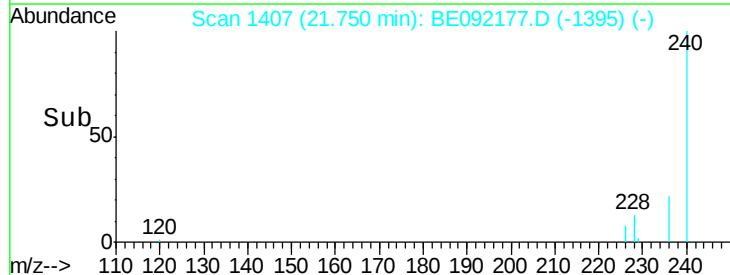
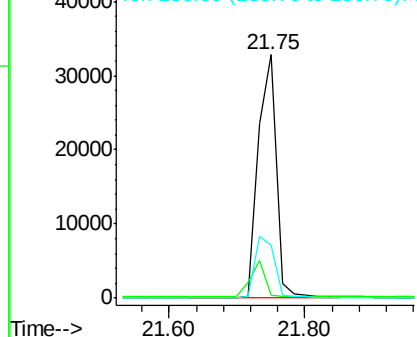
Lab File: BE092177.D

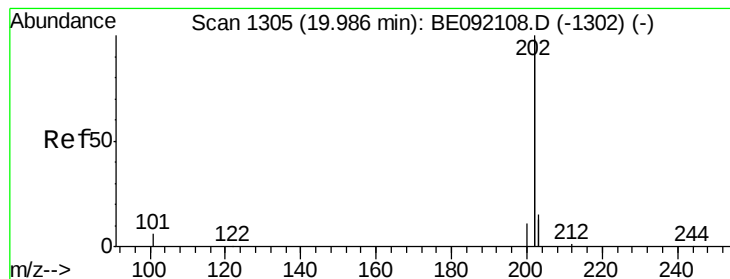
Acq: 4 Aug 2016 11:14

Tgt Ion:	240	Resp:	60347
Ion	Ratio	Lower	Upper
240	100		
120	1.4	0.6	1.0#
236	21.7	18.2	27.4



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





#23

Pyrene

Concen: 3.31 ng

RT: 19.99 min Scan# 1305

Delta R.T. -0.00 min

Lab File: BE092177.D

Acq: 4 Aug 2016 11:14

Instrument :

BNA_E

ClientSampleId :

GW-34-7.0-15.0MS

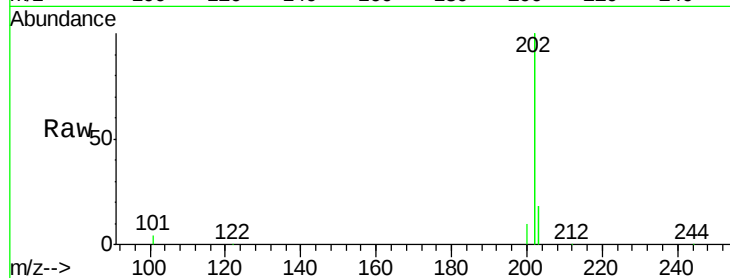
Tgt Ion:202 Resp: 208699

Ion Ratio Lower Upper

202 100

200 5.4 4.4 6.6

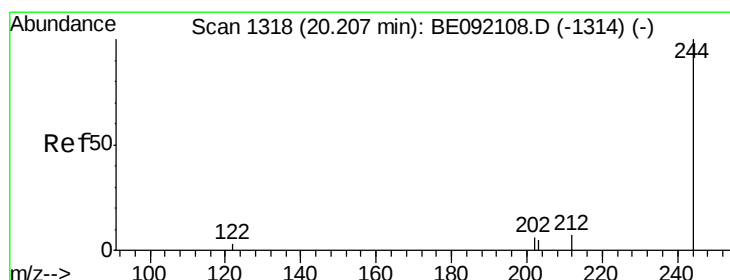
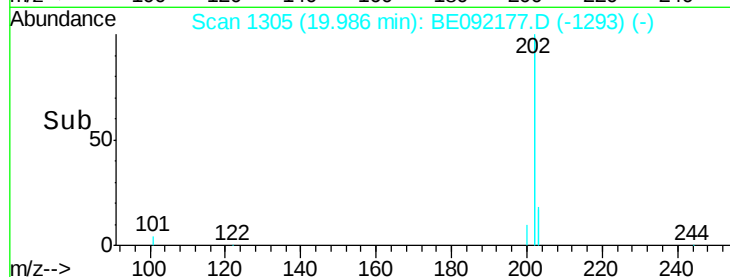
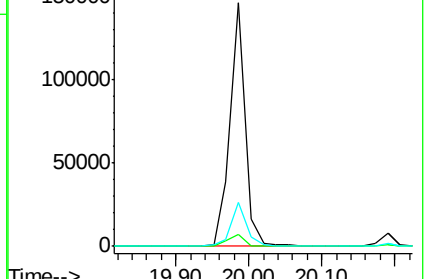
203 18.0 13.4 20.0



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



#24

Terphenyl-d14

Concen: 69.98 ng

RT: 20.19 min Scan# 1317

Delta R.T. -0.02 min

Lab File: BE092177.D

Acq: 4 Aug 2016 11:14

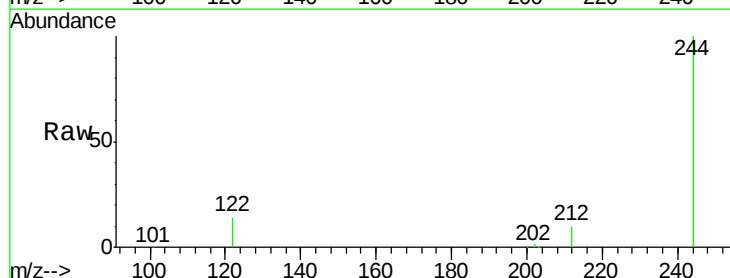
Tgt Ion:244 Resp: 606491

Ion Ratio Lower Upper

244 100

212 9.9 9.1 13.7

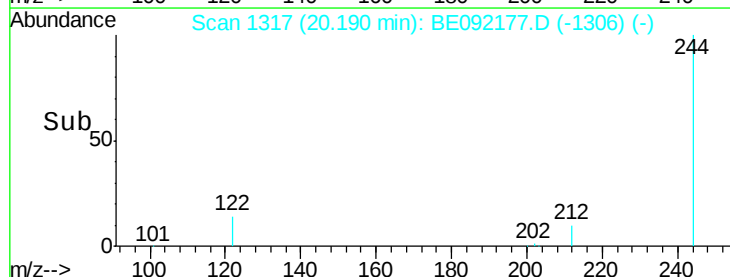
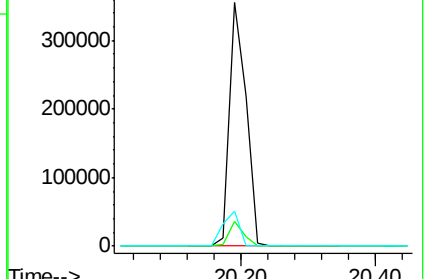
122 14.4 11.0 16.4

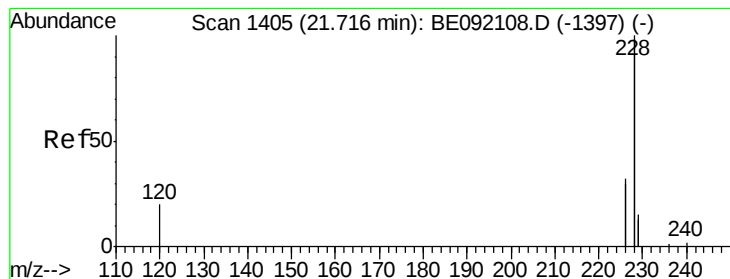


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#25

Benzo(a)anthracene

Concen: 3.08 ng

RT: 21.72 min Scan# 1405

Delta R.T. -0.00 min

Lab File: BE092177.D

Acq: 4 Aug 2016 11:14

Instrument :

BNA_E

ClientSampleId :

GW-34-7.0-15.0MS

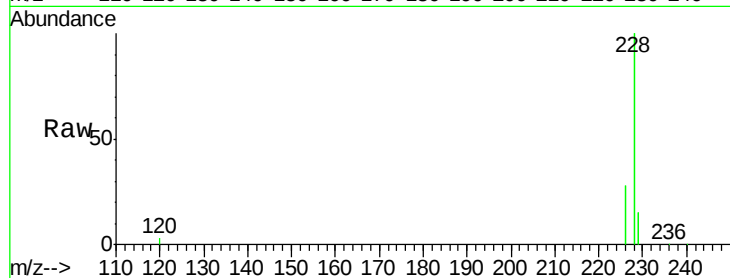
Tgt Ion:228 Resp: 204306

Ion Ratio Lower Upper

228 100

226 28.3 22.1 33.1

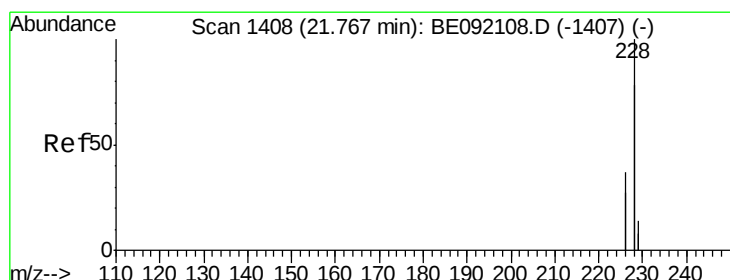
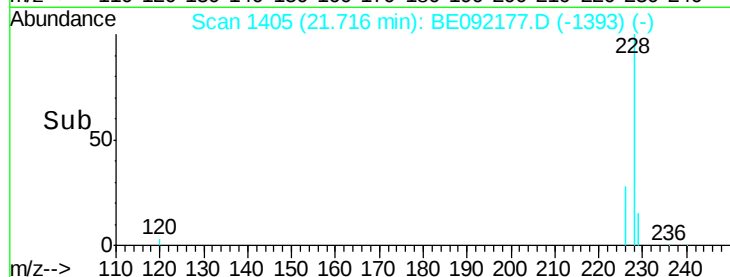
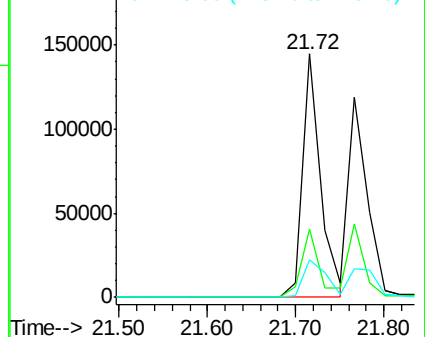
229 15.4 15.1 22.7



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



#26

Chrysene

Concen: 2.67 ng

RT: 21.77 min Scan# 1408

Delta R.T. -0.00 min

Lab File: BE092177.D

Acq: 4 Aug 2016 11:14

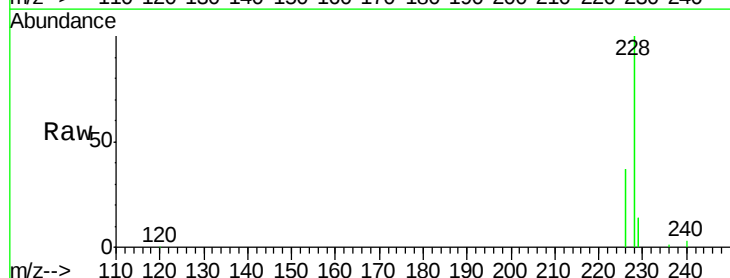
Tgt Ion:228 Resp: 177531

Ion Ratio Lower Upper

228 100

226 36.7 22.3 33.5#

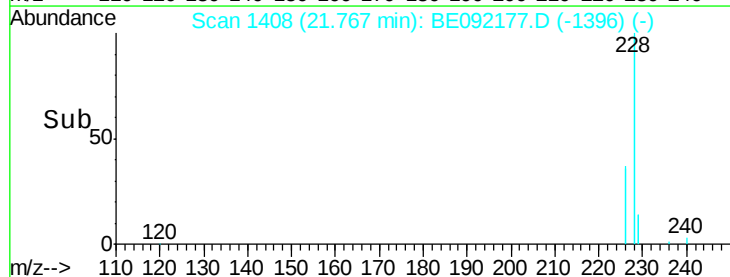
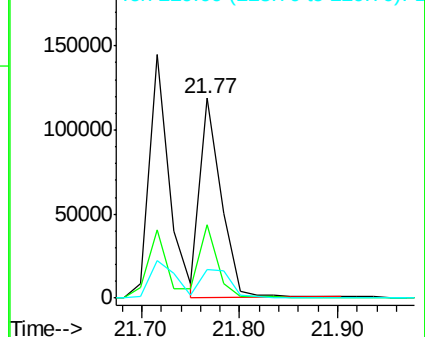
229 14.3 16.9 25.3#



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

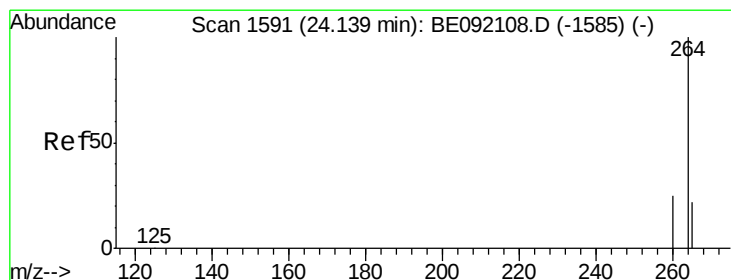
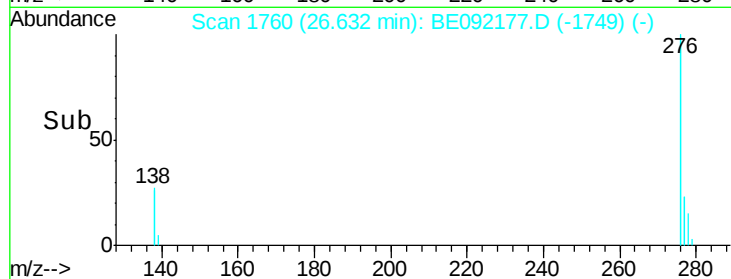
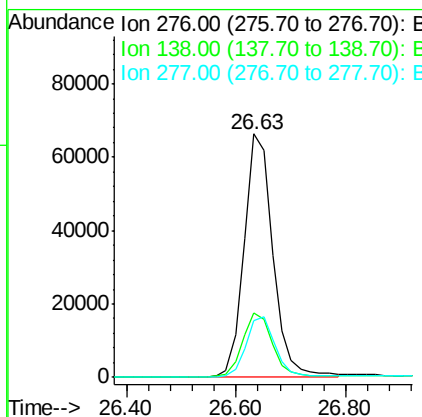
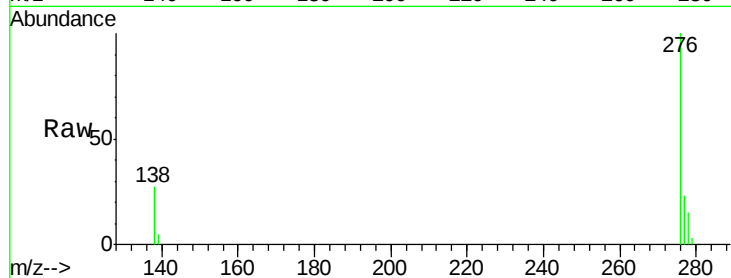




#27
 Indeno(1,2,3-cd)pyrene
 Concen: 3.33 ng
 RT: 26.63 min Scan# 1760
 Delta R.T. -0.02 min
 Lab File: BE092177.D
 Acq: 4 Aug 2016 11:14

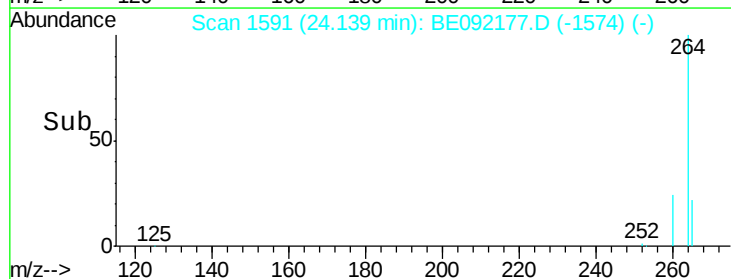
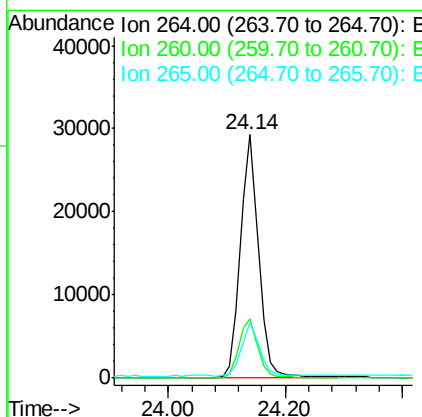
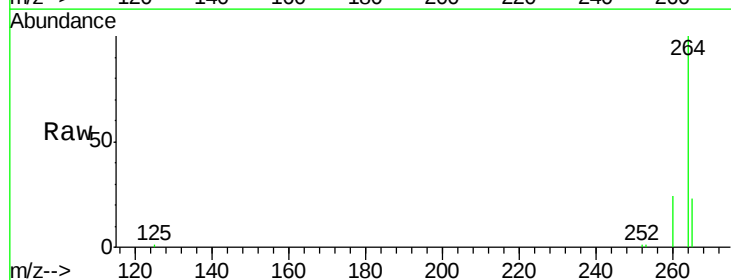
Instrument :
 BNA_E
 ClientSampleId :
 GW-34-7.0-15.0MS

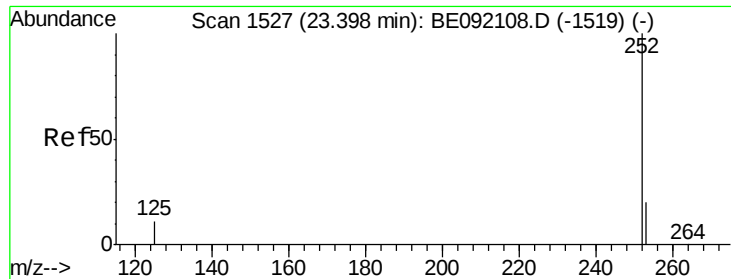
Tgt Ion	Ratio	Lower	Upper
276	100		
138	27.0	21.2	31.8
277	24.8	19.8	29.8



#28
 Perylene-d12
 Concen: 5.00 ng
 RT: 24.14 min Scan# 1591
 Delta R.T. 0.00 min
 Lab File: BE092177.D
 Acq: 4 Aug 2016 11:14

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.5	20.8	31.2
265	22.9	16.6	25.0





#29

Benzo(b)fluoranthene

Concen: 2.80 ng

RT: 23.40 min Scan# 1527

Delta R.T. 0.00 min

Lab File: BE092177.D

Acq: 4 Aug 2016 11:14

Instrument :

BNA_E

ClientSampleId :

GW-34-7.0-15.0MS

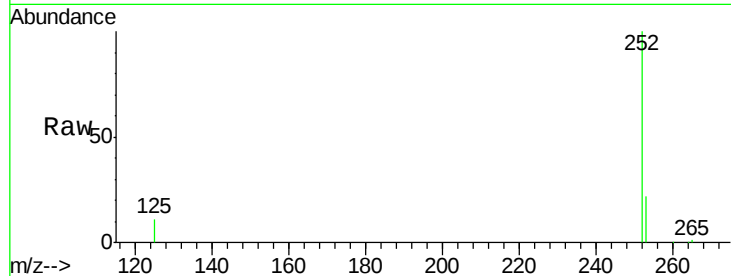
Tgt Ion:252 Resp: 48039

Ion Ratio Lower Upper

252 100

253 22.0 17.4 26.0

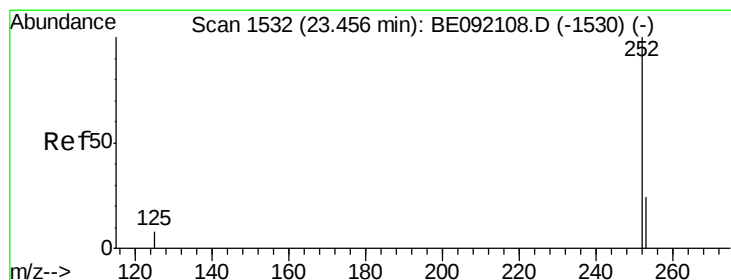
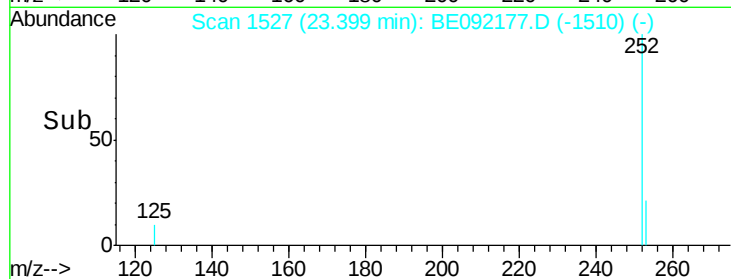
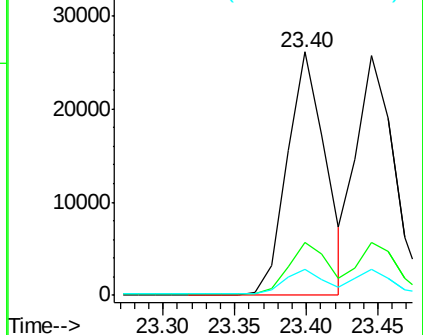
125 10.8 10.2 15.2



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



#30

Benzo(k)fluoranthene

Concen: 2.89 ng

RT: 23.45 min Scan# 1531

Delta R.T. -0.01 min

Lab File: BE092177.D

Acq: 4 Aug 2016 11:14

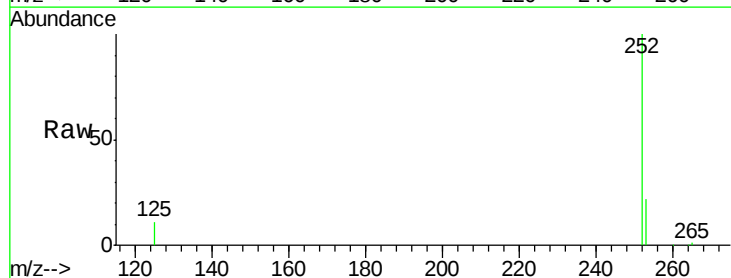
Tgt Ion:252 Resp: 47563

Ion Ratio Lower Upper

252 100

253 21.9 19.4 29.0

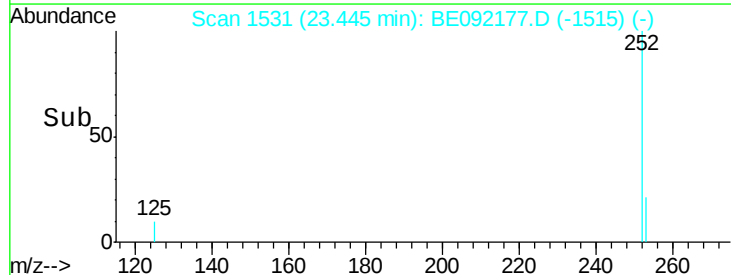
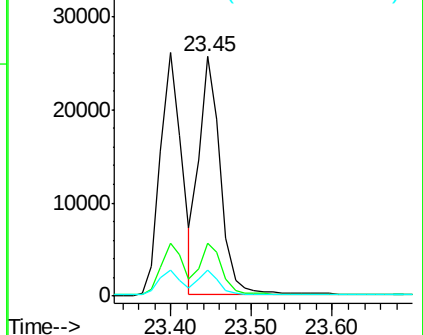
125 10.7 8.9 13.3

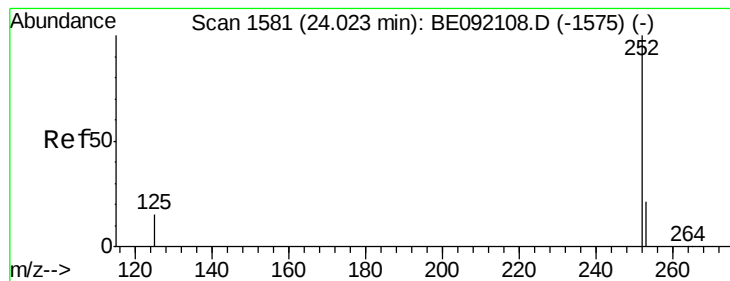


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#31

Benzo(a)pyrene

Concen: 3.06 ng

RT: 24.02 min Scan# 1581

Delta R.T. 0.00 min

Lab File: BE092177.D

Acq: 4 Aug 2016 11:14

Instrument :

BNA_E

ClientSampleId :

GW-34-7.0-15.0MS

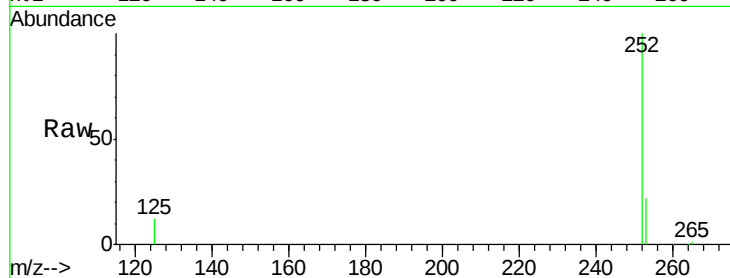
Tgt Ion: 252 Resp: 48286

Ion Ratio Lower Upper

252 100

253 21.7 19.8 29.8

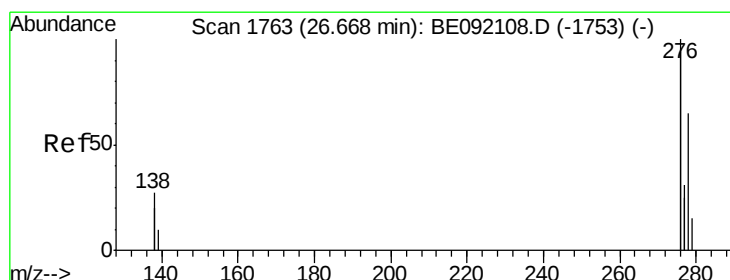
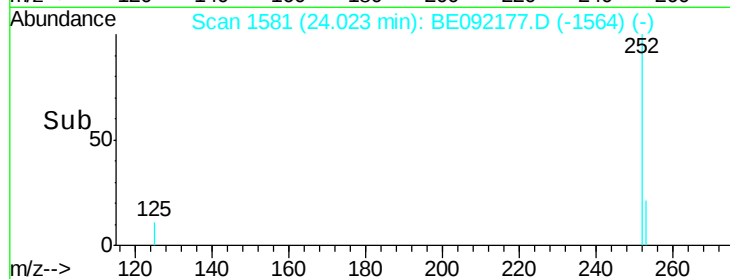
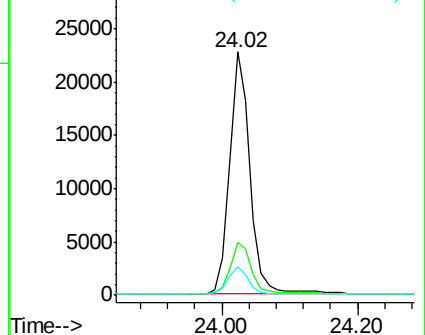
125 11.8 10.4 15.6



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



#32

Dibenzo(a,h)anthracene

Concen: 3.33 ng

RT: 26.67 min Scan# 1762

Delta R.T. -0.00 min

Lab File: BE092177.D

Acq: 4 Aug 2016 11:14

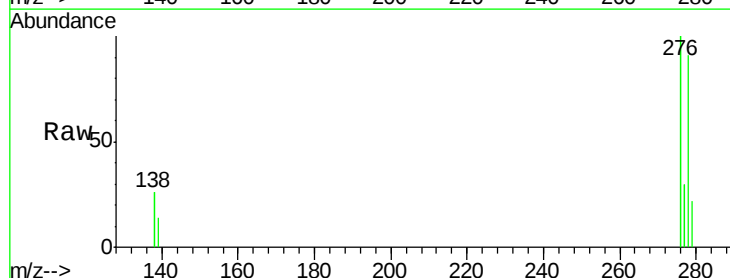
Tgt Ion: 278 Resp: 50173

Ion Ratio Lower Upper

278 100

139 14.9 16.7 25.1#

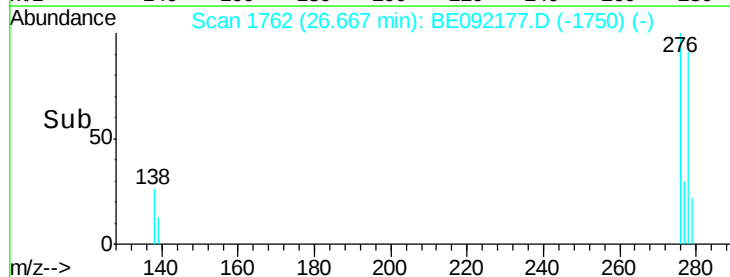
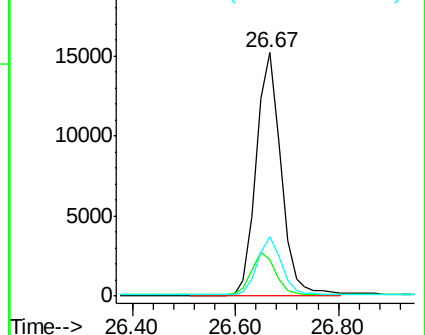
279 24.5 20.3 30.5

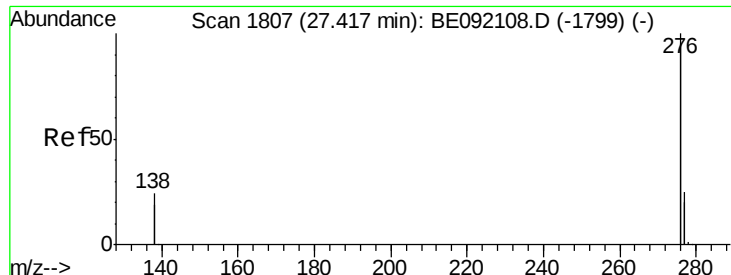


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#33

Benzo(g,h,i)perylene

Concen: 3.27 ng

RT: 27.42 min Scan# 1806

Delta R.T. -0.00 min

Lab File: BE092177.D

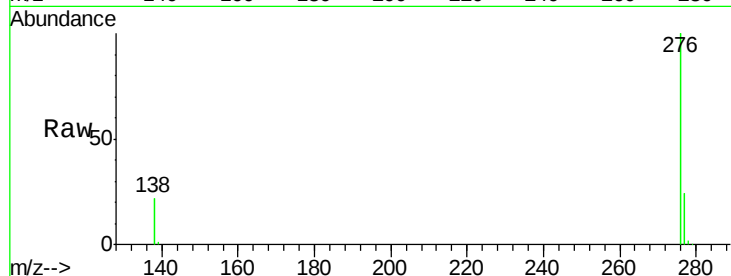
Acq: 4 Aug 2016 11:14

Instrument :

BNA_E

ClientSampleId :

GW-34-7.0-15.0MS



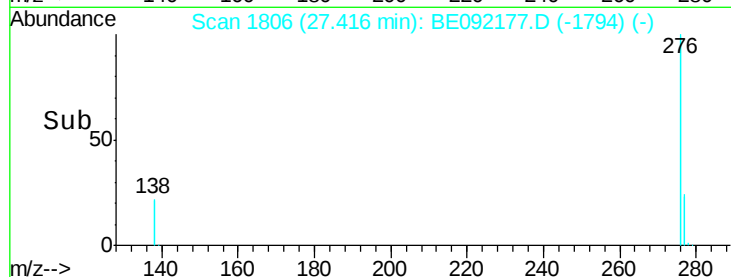
Tgt Ion: 276 Resp: 210464

Ion Ratio Lower Upper

276 100

277 24.0 19.5 29.3

138 21.5 20.8 31.2



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

