

Data Path : Z:\HPCHEM1\BNA E\DATA\BE022017\
 Data File : BE092748.D
 Acq On : 20 Feb 2017 15:22
 Operator : SJ/MA
 Sample : PB97065BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB97065BS

Quant Time: Feb 20 17:09:33 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE021517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 15 17:05:20 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.10	152	10255	5.00	ng	-0.02
7) Naphthalene-d8	10.88	136	44286	5.00	ng	-0.02
12) Acenaphthene-d10	14.76	164	22457	5.00	ng	0.00
18) Phenanthrene-d10	17.51	188	53945	5.00	ng	0.00
24) Chrysene-d12	21.70	240	47699	5.00	ng	0.00
31) Perylene-d12	24.03	264	51992	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.61	112	20975	10.51	ng	-0.02
5) Phenol-d6	7.27	99	28353	11.58	ng	-0.05
8) Nitrobenzene-d5	9.27	82	13540	4.53	ng	-0.05
13) 2,4,6-Tribromophenol	16.25	330	5996	12.58	ng	-0.03
14) 2-Fluorobiphenyl	13.38	172	27666	5.05	ng	-0.02
26) Terphenyl-d14	20.12	244	33025	5.42	ng	-0.02

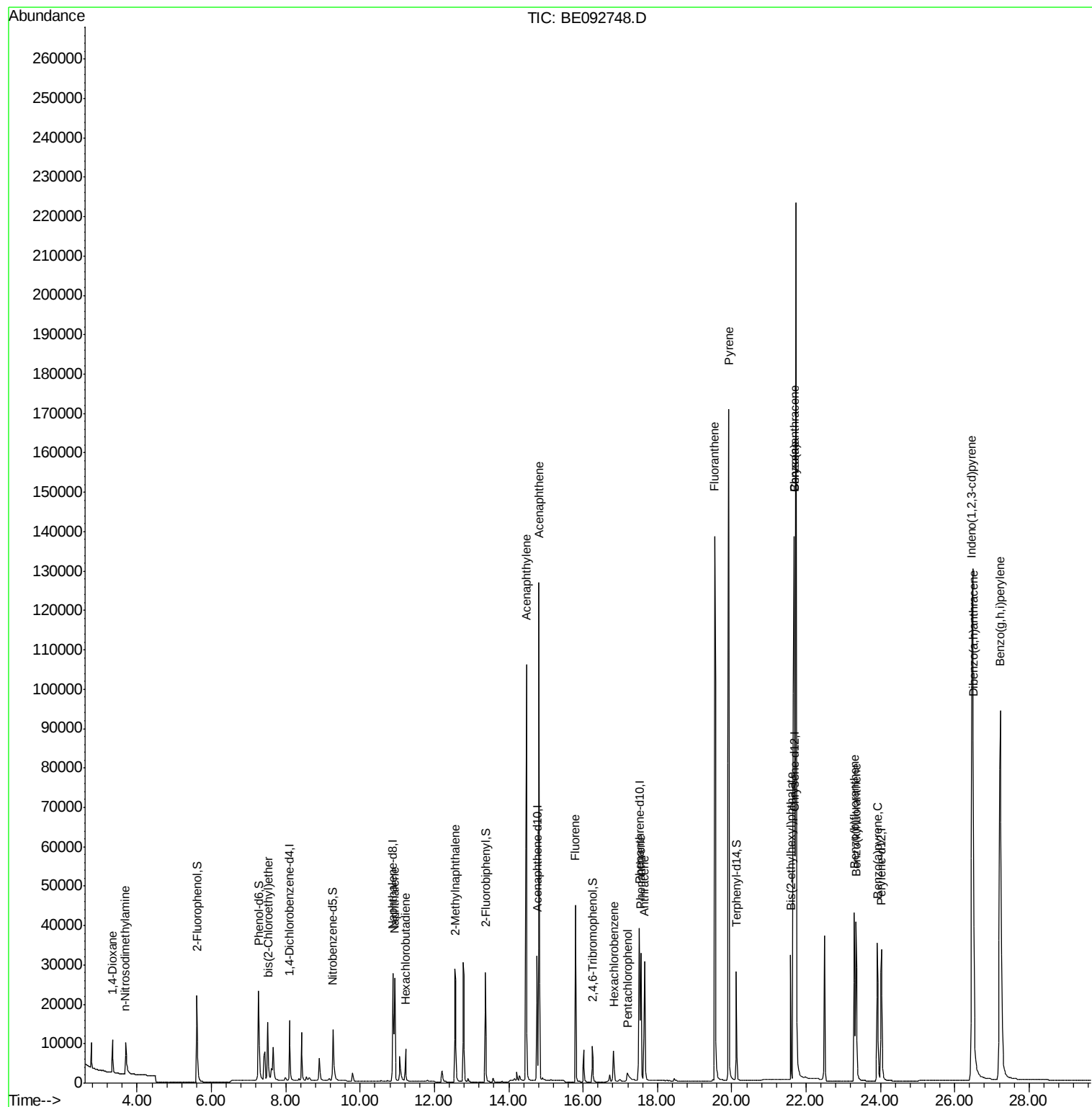
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.34	88	4748	3.72	ng	# 77
3) n-Nitrosodimethylamine	3.69	42	7655	4.09	ng	# 93
6) bis(2-Chloroethyl)ether	7.52	93	13472	4.97	ng	90
9) Naphthalene	10.93	128	39181	4.09	ng	94
10) Hexachlorobutadiene	11.22	225	5919	4.20	ng	99
11) 2-Methylnaphthalene	12.57	142	24994	4.15	ng	# 85
15) Acenaphthylene	14.47	152	157390	4.64	ng	100
16) Acenaphthene	14.81	154	23637	4.80	ng	92
17) Fluorene	15.80	166	29808	4.72	ng	98
19) Hexachlorobenzene	16.82	284	7514	3.61	ng	# 89
20) Pentachlorophenol	17.19	266	4926	8.04	ng	# 87
21) Phenanthrene	17.56	178	47312	3.69	ng	# 95
22) Anthracene	17.65	178	45768	3.88	ng	99
23) Fluoranthene	19.54	202	213917	3.89	ng	100
25) Pyrene	19.92	202	224790	4.95	ng	99
27) Benzo(a)anthracene	21.68	228	218281	4.72	ng	# 71
28) Chrysene	21.68	228	218288	3.98	ng	# 55
29) Bis(2-ethylhexyl)phthalate	21.59	149	36029	5.63	ng	# 74
30) Indeno(1,2,3-cd)pyrene	26.46	276	278340	4.89	ng	97
32) Benzo(b)fluoranthene	23.30	252	57951	4.25	ng	96
33) Benzo(k)fluoranthene	23.35	252	59706	4.11	ng	94
34) Benzo(a)pyrene	23.91	252	56707	4.24	ng	95
35) Dibenzo(a,h)anthracene	26.50	278	57528	4.38	ng	95
36) Benzo(g,h,i)perylene	27.23	276	239831	4.40	ng	97

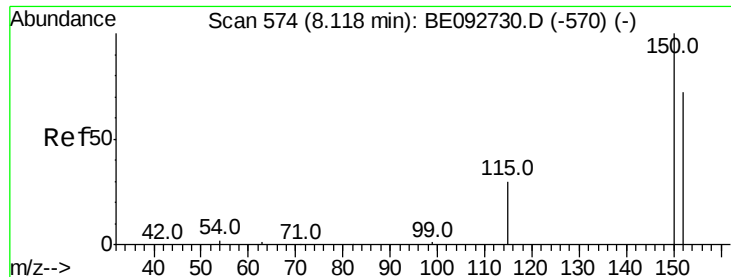
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.10 min Scan# 573

Delta R.T. -0.02 min

Lab File: BE092748.D

Acq: 20 Feb 2017 15:22

Instrument :

BNA_E

ClientSampled :

PB97065BS

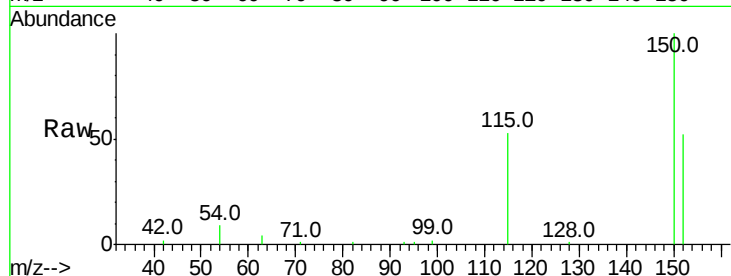
Tot Ion:152 Resp: 10255

Ion Ratio Lower Upper

152 100

150 190.8 106.0 159.0#

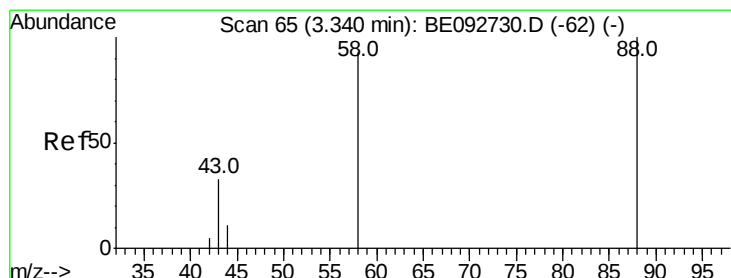
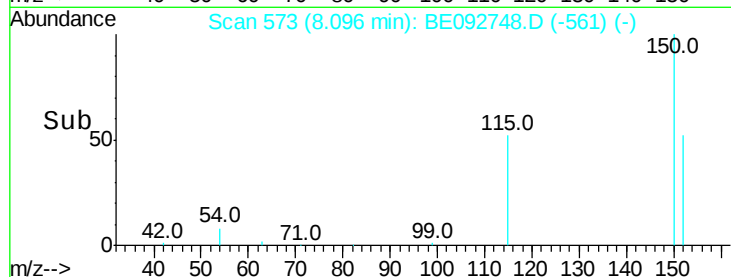
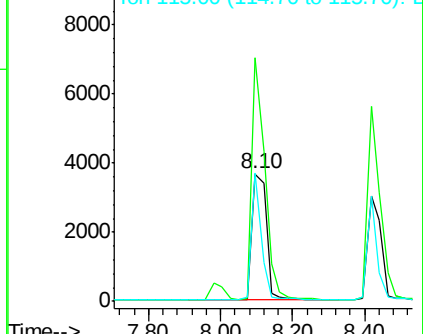
115 100.5 31.2 46.8#



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: 3.72 ng

RT: 3.34 min Scan# 65

Delta R.T. 0.00 min

Lab File: BE092748.D

Acq: 20 Feb 2017 15:22

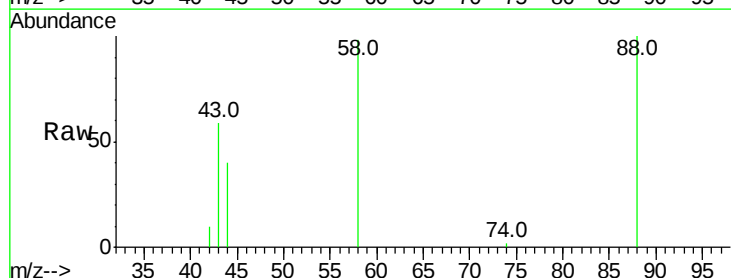
Tgt Ion: 88 Resp: 4748

Ion Ratio Lower Upper

88 100

58 92.6 63.6 95.4

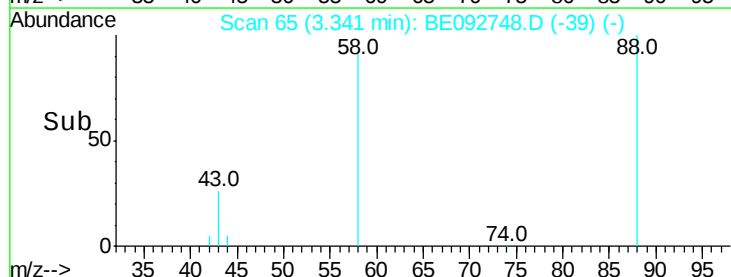
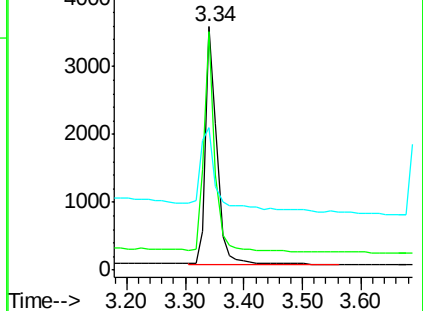
43 58.2 28.0 42.0#

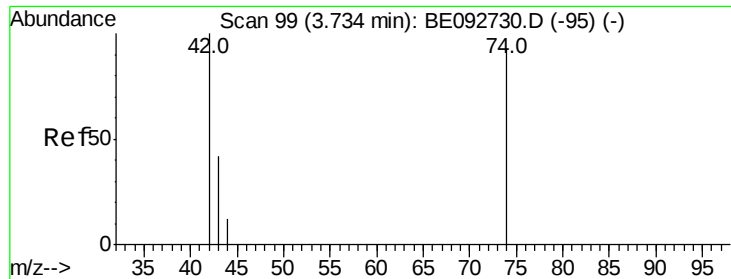


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 4.09 ng

RT: 3.69 min Scan# 95

Delta R.T. -0.05 min

Lab File: BE092748.D

Acq: 20 Feb 2017 15:22

Instrument :

BNA_E

ClientSampleId :

PB97065BS

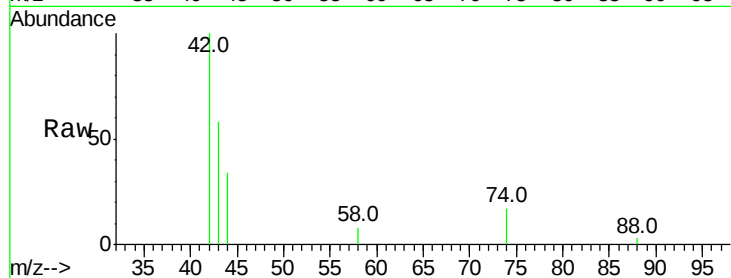
Tot Ion: 42 Resp: 7655

Ion Ratio Lower Upper

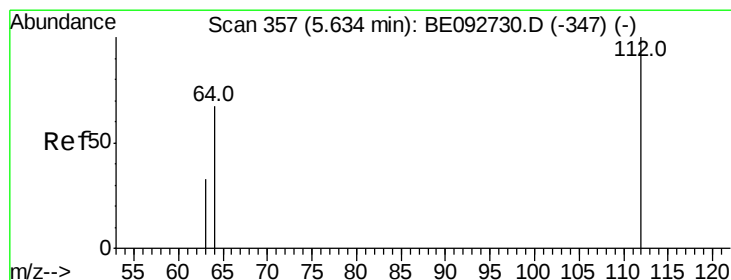
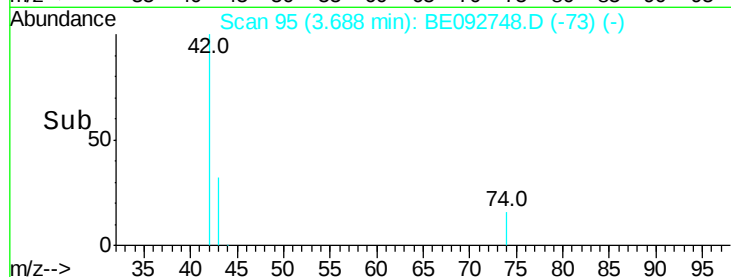
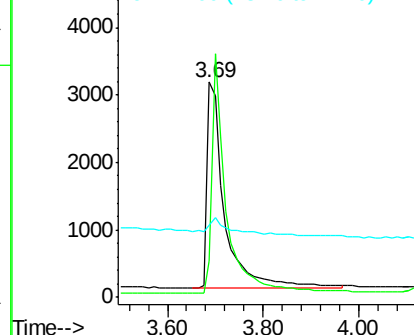
42 100

74 100.7 86.0 129.0

44 12.4 5.1 7.7#



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: 10.51 ng

RT: 5.61 min Scan# 353

Delta R.T. -0.02 min

Lab File: BE092748.D

Acq: 20 Feb 2017 15:22

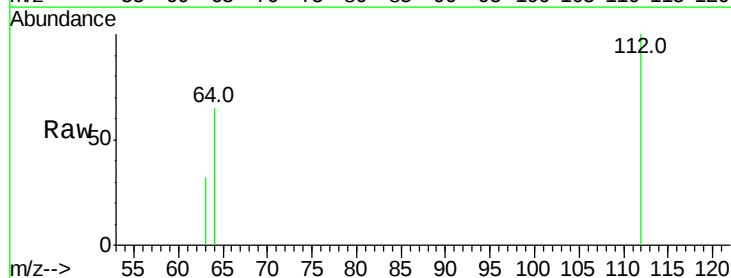
Tgt Ion: 112 Resp: 20975

Ion Ratio Lower Upper

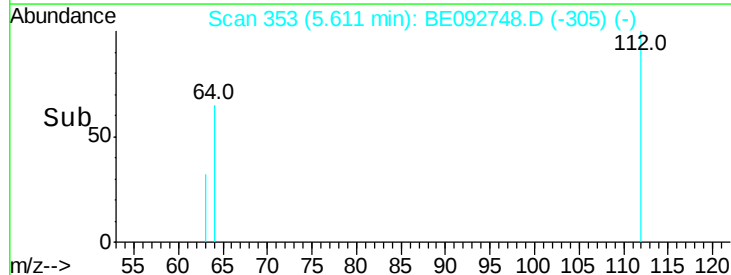
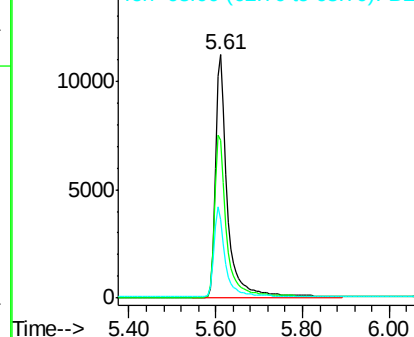
112 100

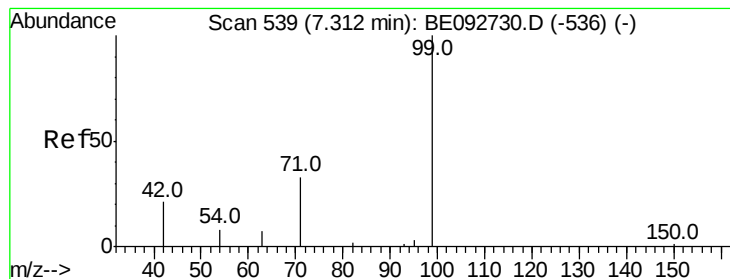
64 68.0 53.5 80.3

63 36.6 27.9 41.9



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: 11.58 ng

RT: 7.27 min Scan# 537

Delta R.T. -0.05 min

Lab File: BE092748.D

Acq: 20 Feb 2017 15:22

Instrument :

BNA_E

ClientSampleId :

PB97065BS

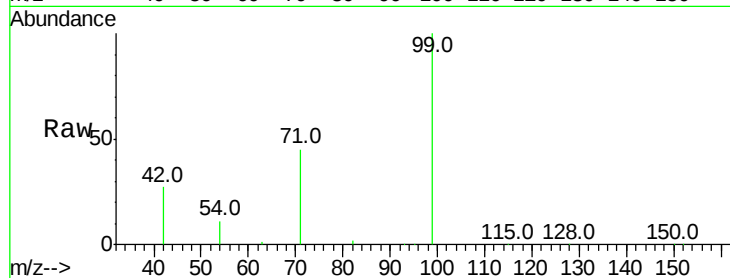
Tot Ion: 99 Resp: 28353

Ion Ratio Lower Upper

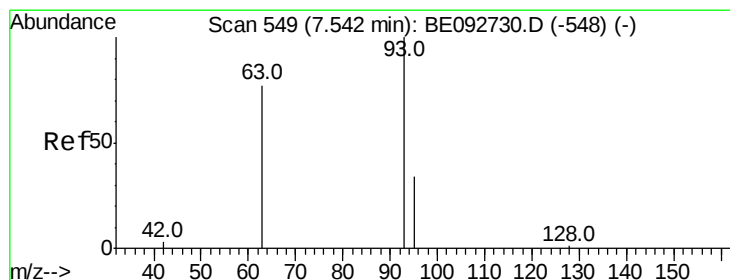
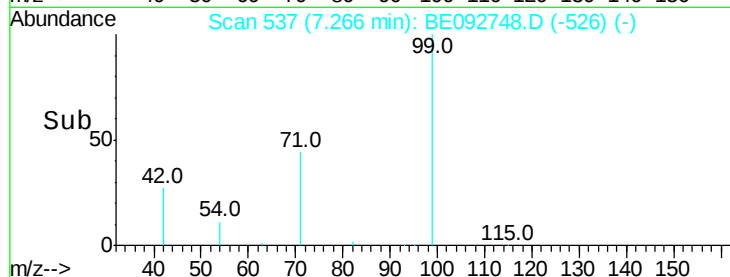
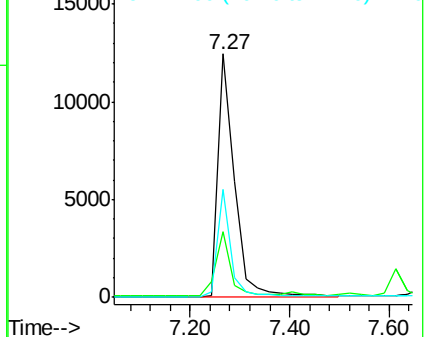
99 100

42 23.8 16.0 24.0

71 35.7 30.6 45.8



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

bis(2-Chloroethyl)ether

Concen: 4.97 ng

RT: 7.52 min Scan# 548

Delta R.T. -0.02 min

Lab File: BE092748.D

Acq: 20 Feb 2017 15:22

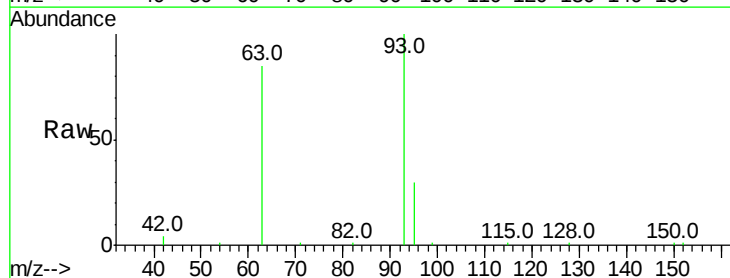
Tgt Ion: 93 Resp: 13472

Ion Ratio Lower Upper

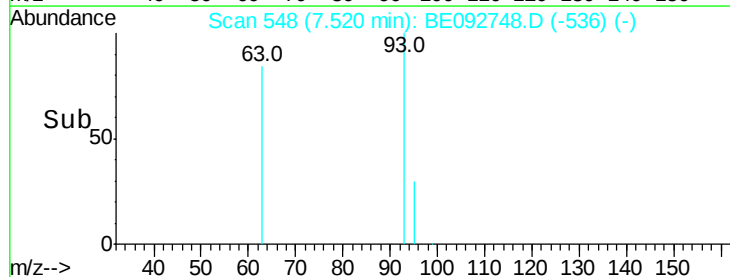
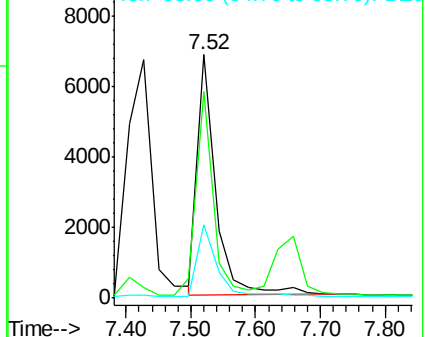
93 100

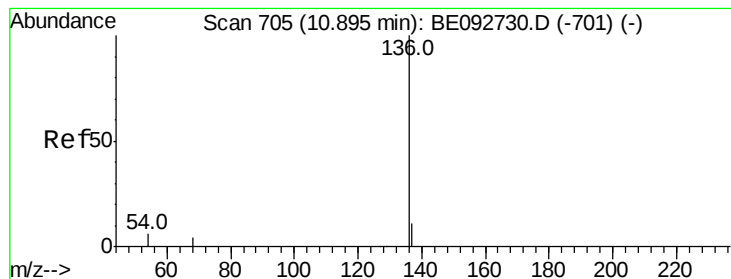
63 77.7 71.6 107.4

95 32.0 24.0 36.0



Abundance Ion 93.00 (92.70 to 93.70): BE0
Ion 63.00 (62.70 to 63.70): BE0
Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.88 min Scan# 704

Delta R.T. -0.02 min

Lab File: BE092748.D

Acq: 20 Feb 2017 15:22

Instrument :

BNA_E

ClientSampleId :

PB97065BS

Tot Ion:136 Resp: 44286

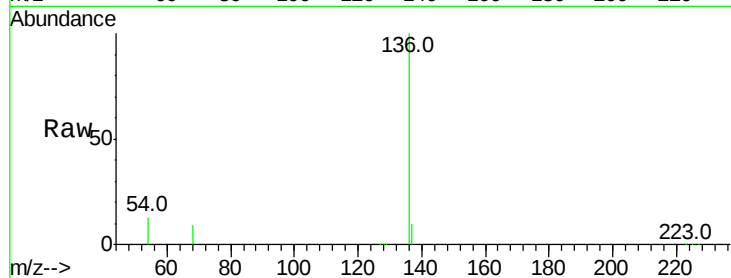
Ion Ratio Lower Upper

136 100

137 10.2 8.2 12.4

54 12.9 9.6 14.4

68 8.8 6.7 10.1

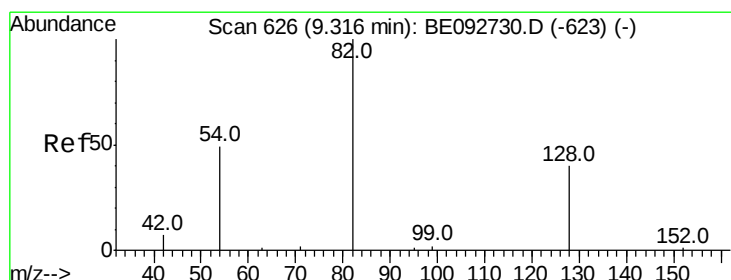
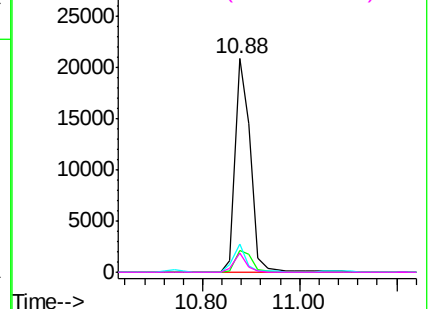
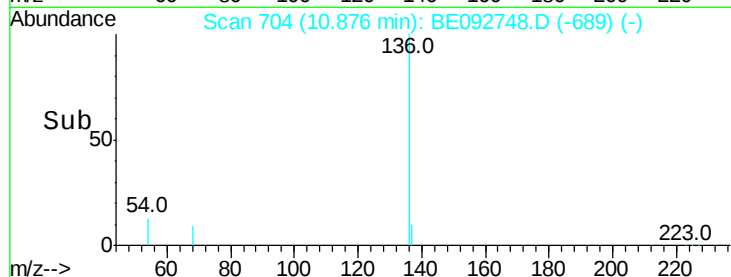


Abundance Ion 136.00 (135.70 to 136.70): E

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



#8

Nitrobenzene-d5

Concen: 4.53 ng

RT: 9.27 min Scan# 624

Delta R.T. -0.05 min

Lab File: BE092748.D

Acq: 20 Feb 2017 15:22

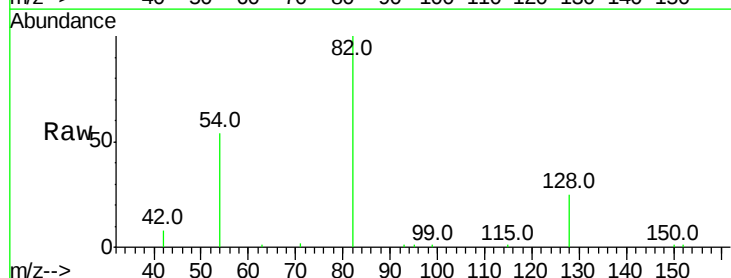
Tgt Ion: 82 Resp: 13540

Ion Ratio Lower Upper

82 100

128 24.7 39.0 58.4#

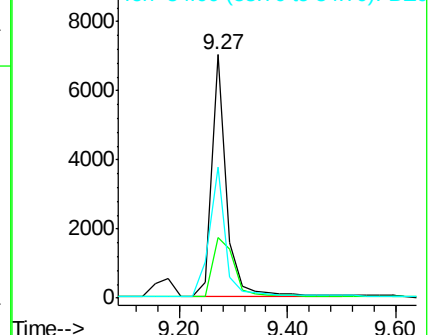
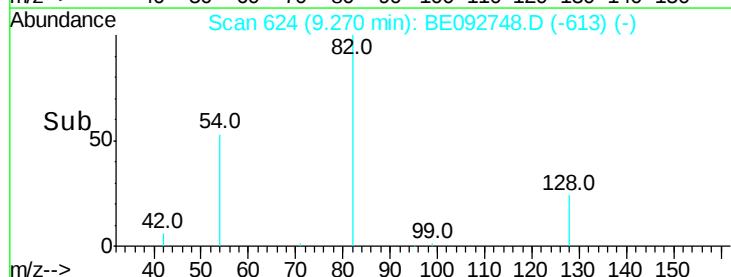
54 53.6 44.8 67.2

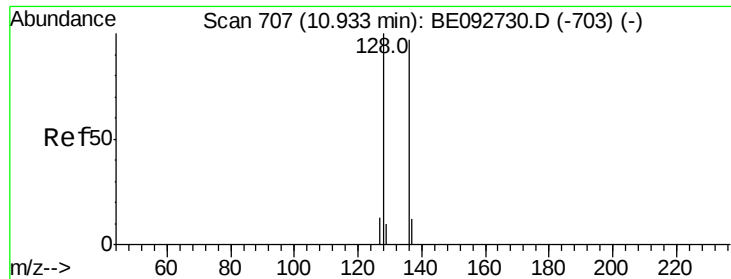


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 4.09 ng

RT: 10.93 min Scan# 707

Delta R.T. 0.00 min

Lab File: BE092748.D

Acq: 20 Feb 2017 15:22

Instrument :

BNA_E

ClientSampled :

PB97065BS

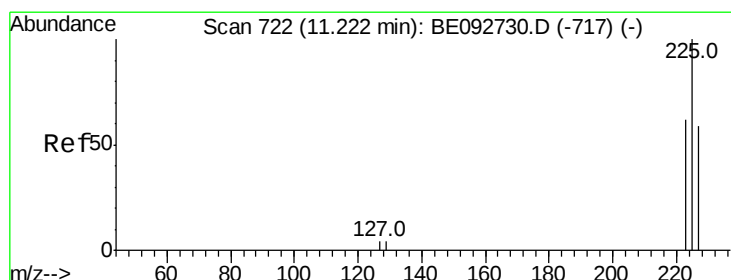
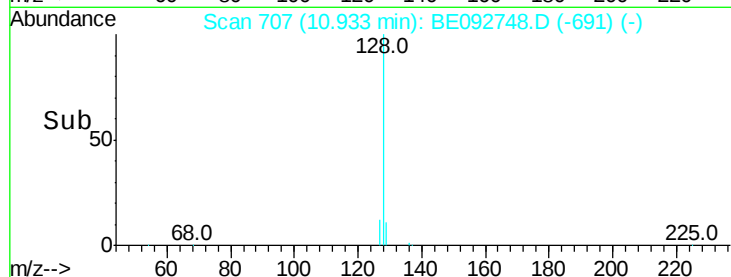
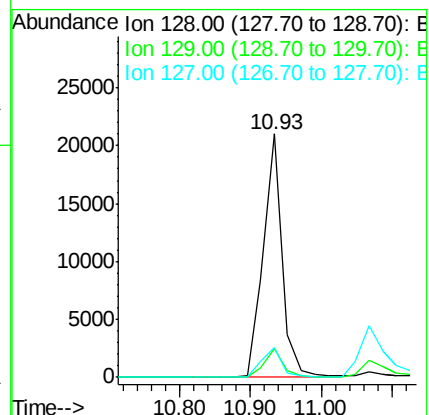
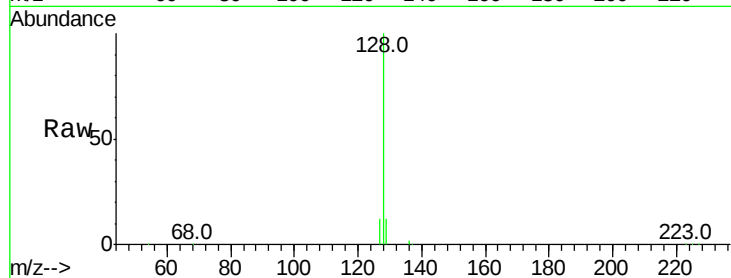
Tot Ion:128 Resp: 39181

Ion Ratio Lower Upper

128 100

129 11.6 11.2 16.8

127 12.2 11.6 17.4



#10

Hexachlorobutadiene

Concen: 4.20 ng

RT: 11.22 min Scan# 722

Delta R.T. 0.00 min

Lab File: BE092748.D

Acq: 20 Feb 2017 15:22

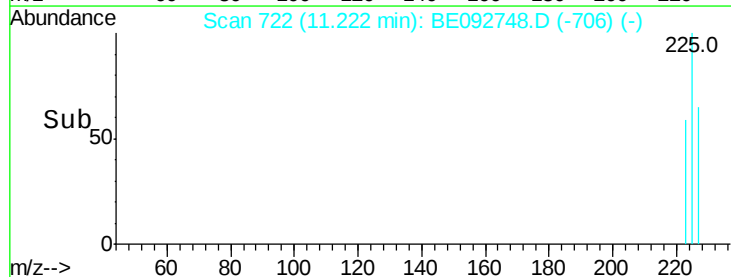
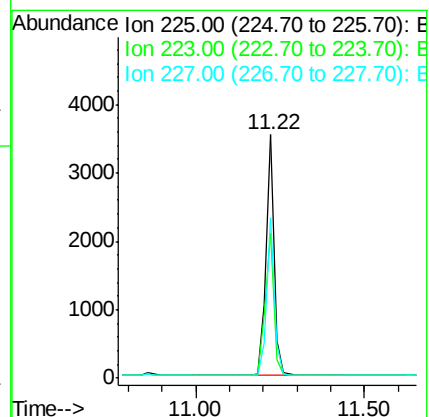
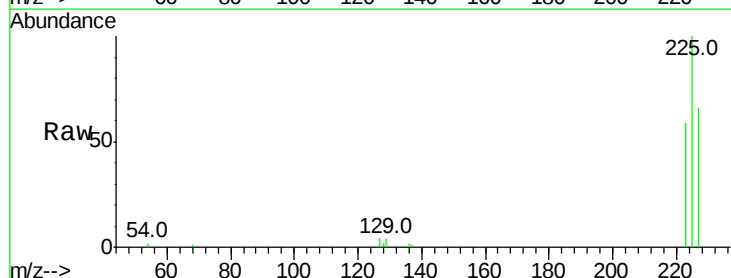
Tgt Ion:225 Resp: 5919

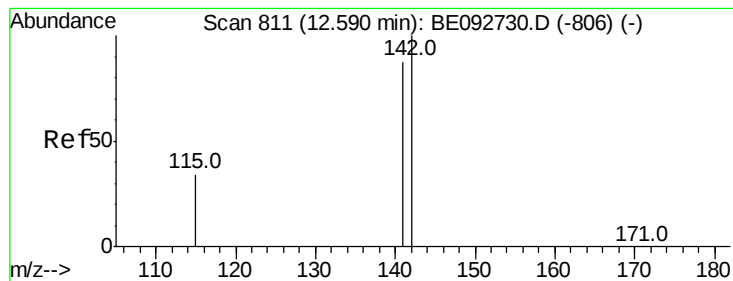
Ion Ratio Lower Upper

225 100

223 62.9 50.6 76.0

227 63.5 51.4 77.0





#11

2-Methylnaphthalene

Concen: 4.15 ng

RT: 12.57 min Scan# 809

Delta R.T. -0.02 min

Lab File: BE092748.D

Acq: 20 Feb 2017 15:22

Instrument :

BNA_E

ClientSampleId :

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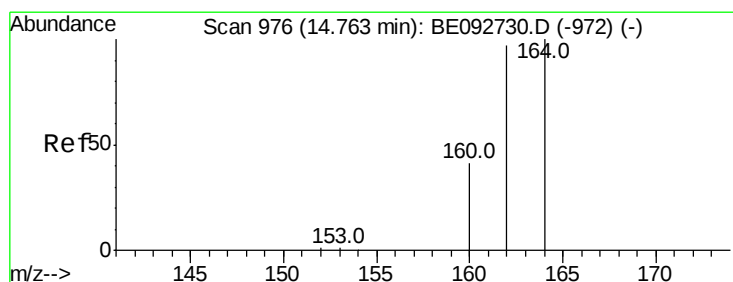
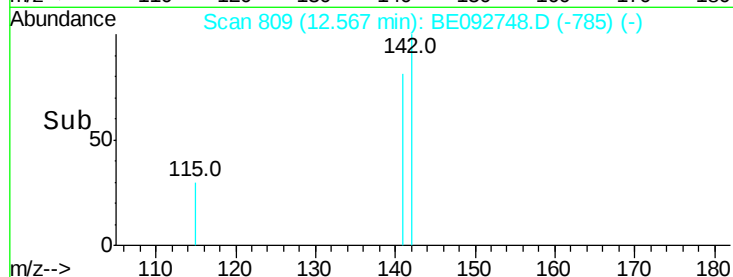
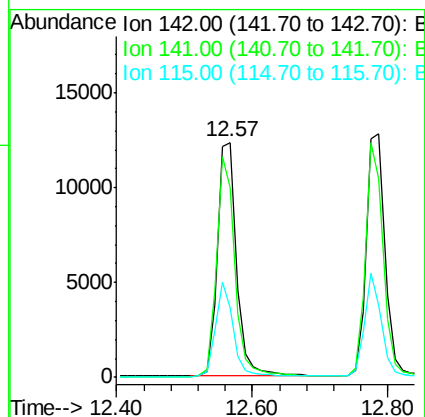
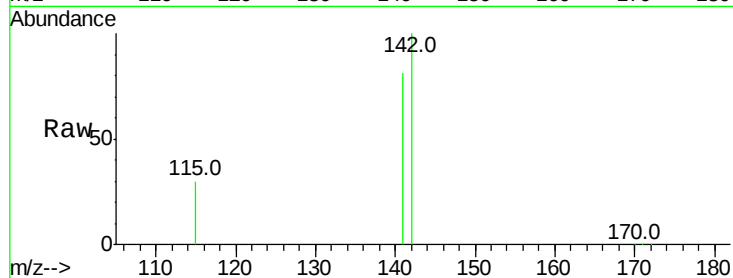
Tot Ion:142 Resp: 24994

Ion Ratio Lower Upper

142 100

141 80.6 73.7 110.5

115 29.5 34.0 51.0#



#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.76 min Scan# 976

Delta R.T. -0.00 min

Lab File: BE092748.D

Acq: 20 Feb 2017 15:22

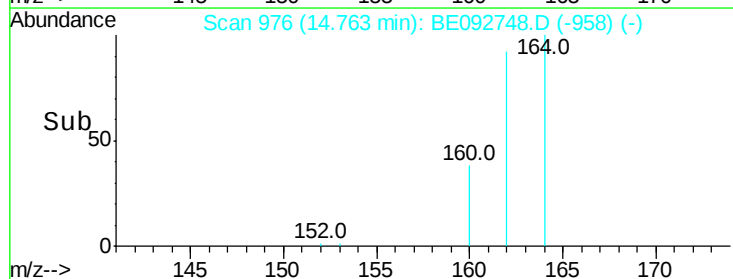
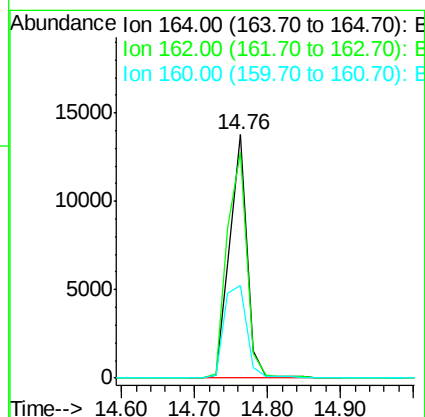
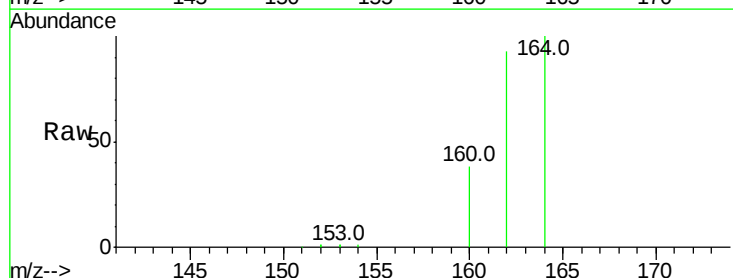
Tgt Ion:164 Resp: 22457

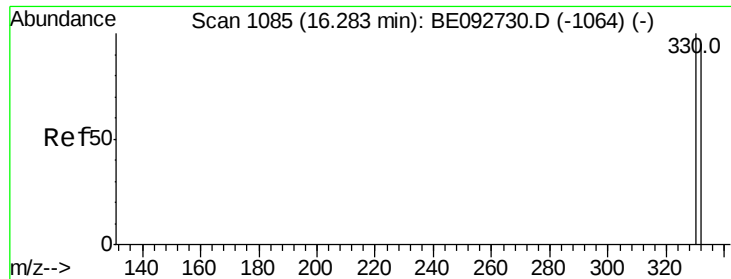
Ion Ratio Lower Upper

164 100

162 92.5 71.4 107.0

160 38.1 27.4 41.2

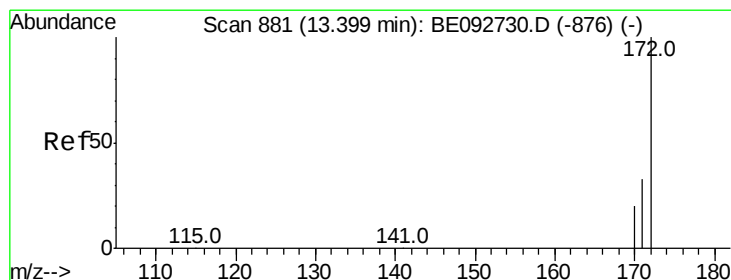
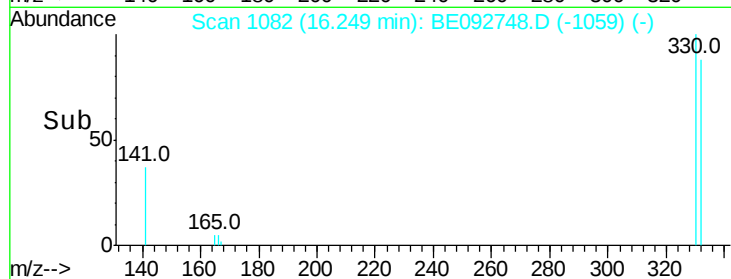
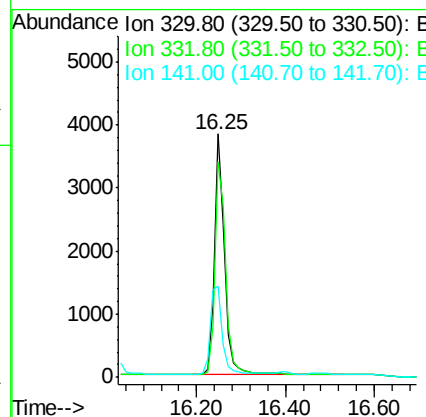
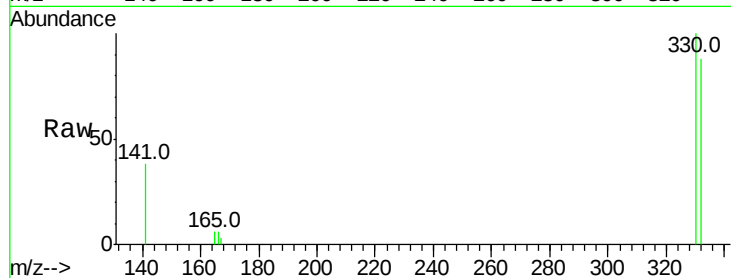




#13
 2,4,6-Tribromophenol
 Concen: 12.58 ng
 RT: 16.25 min Scan# 1082
 Delta R.T. -0.03 min
 Lab File: BE092748.D
 Acq: 20 Feb 2017 15:22

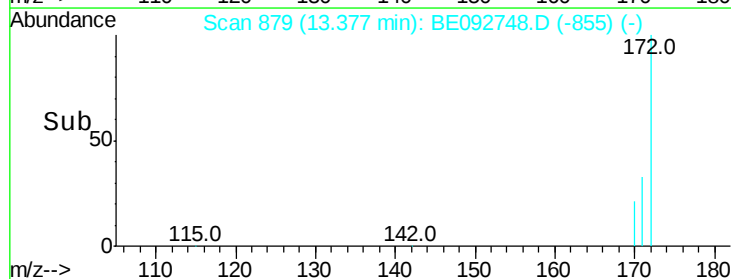
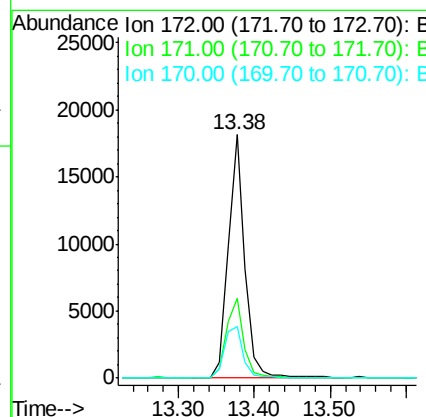
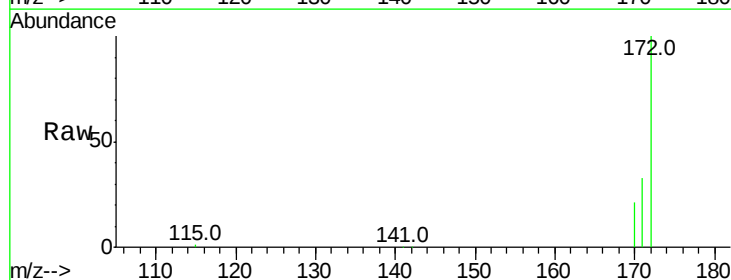
Instrument :
 BNA_E
 ClientSampleId :
 PB97065BS

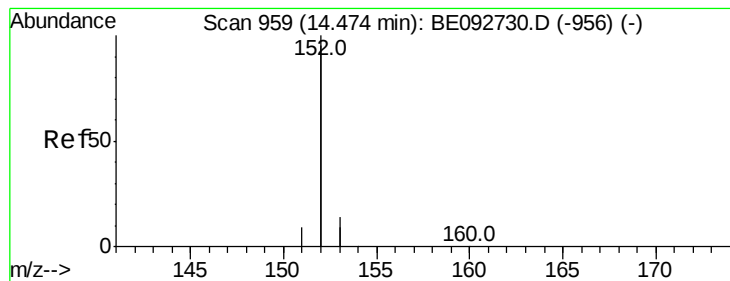
Tot Ion:330 Resp: 5996
 Ion Ratio Lower Upper
 330 100
 332 96.0 75.4 113.0
 141 43.2 31.0 46.6



#14
 2-Fluorobiphenyl
 Concen: 5.05 ng
 RT: 13.38 min Scan# 879
 Delta R.T. -0.02 min
 Lab File: BE092748.D
 Acq: 20 Feb 2017 15:22

Tgt Ion:172 Resp: 27666
 Ion Ratio Lower Upper
 172 100
 171 33.0 30.1 45.1
 170 21.2 21.8 32.6#





#15

Acenaphthylene

Concen: 4.64 ng

RT: 14.47 min Scan# 959

Delta R.T. -0.00 min

Lab File: BE092748.D

Acq: 20 Feb 2017 15:22

Instrument :

BNA_E

ClientSampleId :

PB97065BS

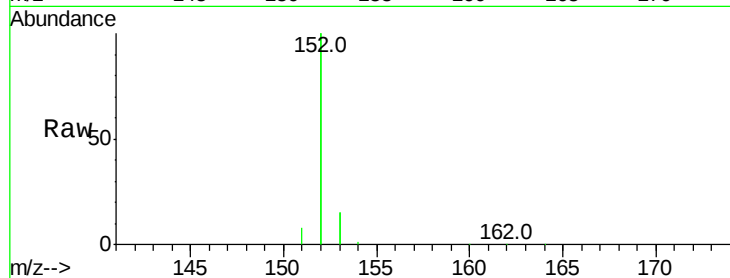
Tot Ion:152 Resp: 157390

Ion Ratio Lower Upper

152 100

151 4.9 3.9 5.9

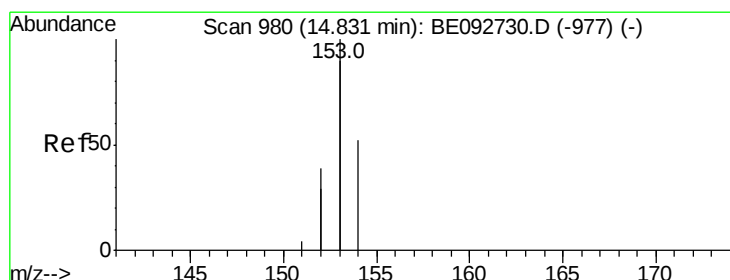
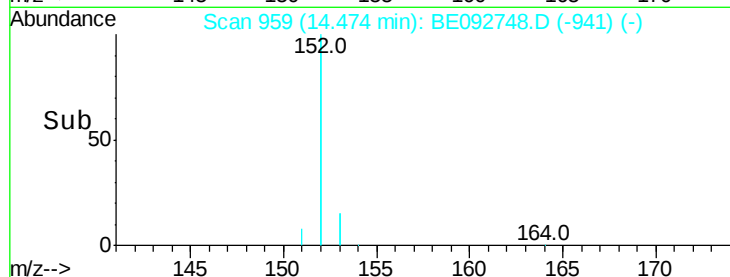
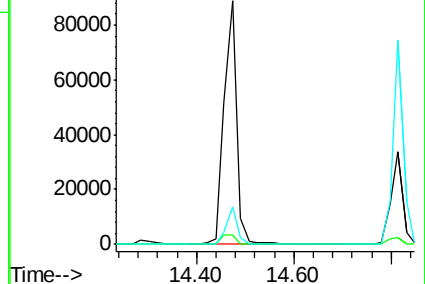
153 13.1 10.4 15.6



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#16

Acenaphthene

Concen: 4.80 ng

RT: 14.81 min Scan# 979

Delta R.T. -0.02 min

Lab File: BE092748.D

Acq: 20 Feb 2017 15:22

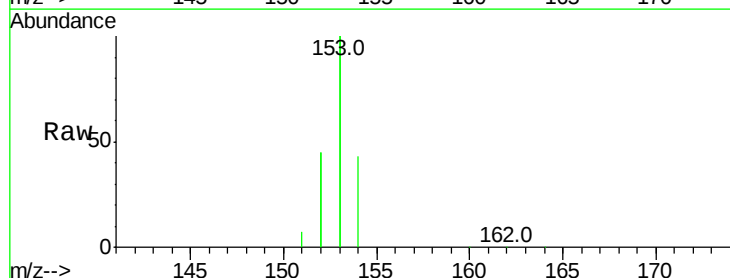
Tgt Ion:154 Resp: 23637

Ion Ratio Lower Upper

154 100

153 456.4 350.8 526.2

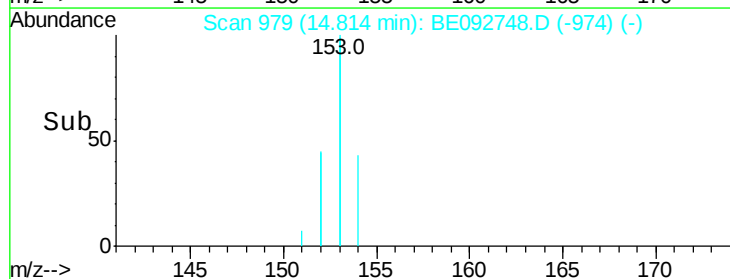
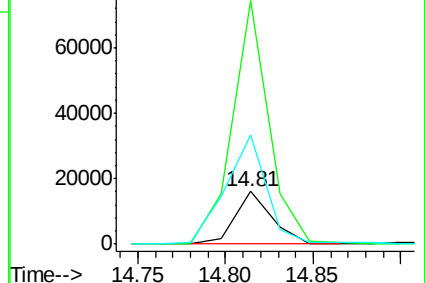
152 227.1 171.1 256.7

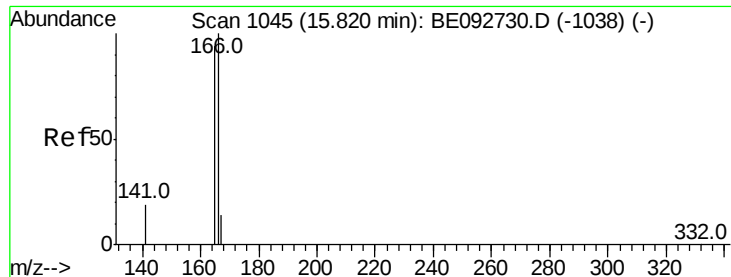


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#17

Fluorene

Concen: 4.72 ng

RT: 15.80 min Scan# 1043

Delta R.T. -0.02 min

Lab File: BE092748.D

Acq: 20 Feb 2017 15:22

Instrument :

BNA_E

ClientSampleId :

PB97065BS

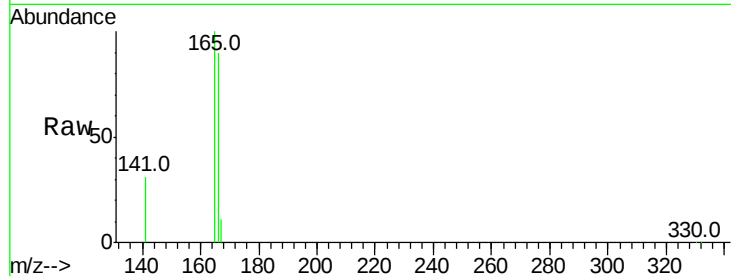
Tot Ion:166 Resp: 29808

Ion Ratio Lower Upper

166 100

165 99.6 78.2 117.4

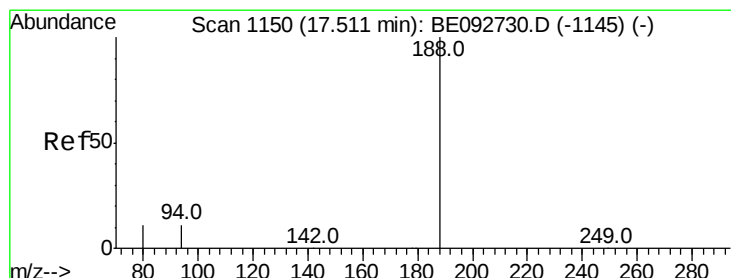
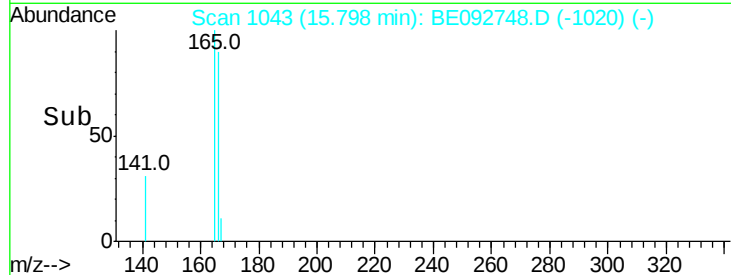
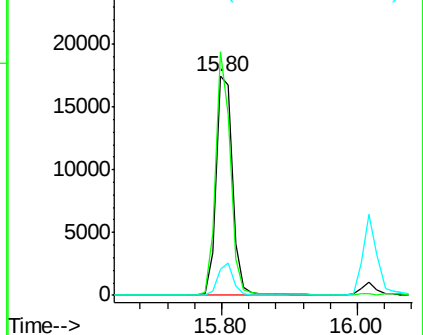
167 13.5 11.0 16.4



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: 17.51 min Scan# 1150

Delta R.T. 0.00 min

Lab File: BE092748.D

Acq: 20 Feb 2017 15:22

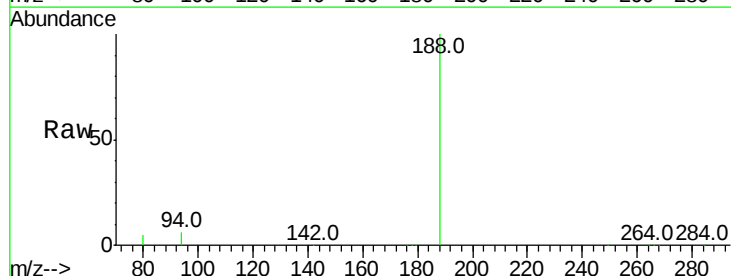
Tgt Ion:188 Resp: 53945

Ion Ratio Lower Upper

188 100

94 5.7 3.2 4.8#

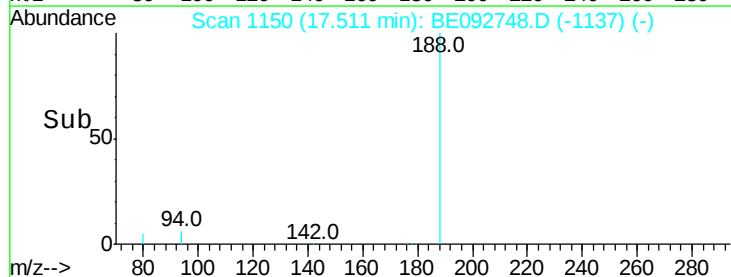
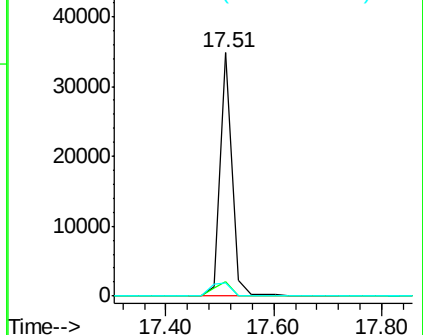
80 5.2 2.6 3.8#

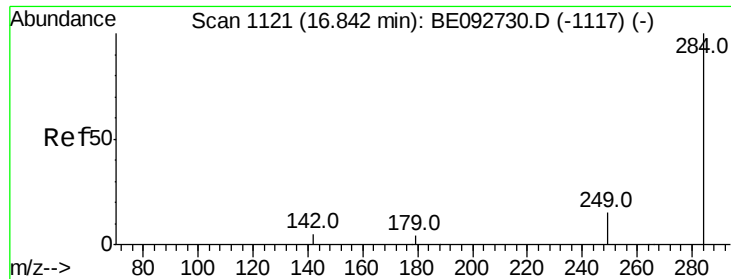


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0





#19

Hexachlorobenzene

Concen: 3.61 ng

RT: 16.82 min Scan# 1120

Delta R.T. -0.02 min

Lab File: BE092748.D

Acq: 20 Feb 2017 15:22

Instrument :

BNA_E

ClientSampleId :

PB97065BS

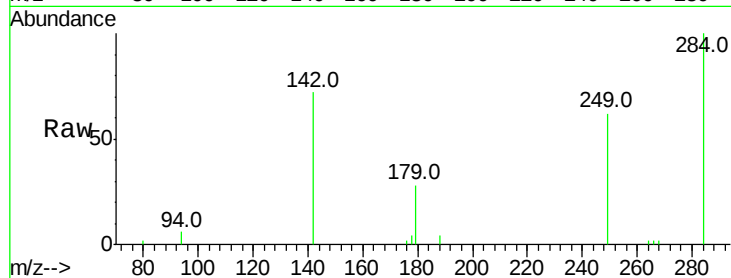
Tot Ion:284 Resp: 7514

Ion Ratio Lower Upper

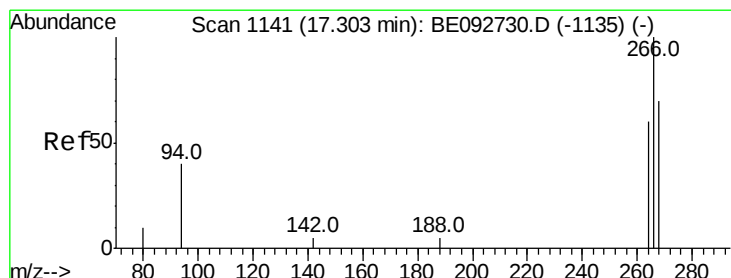
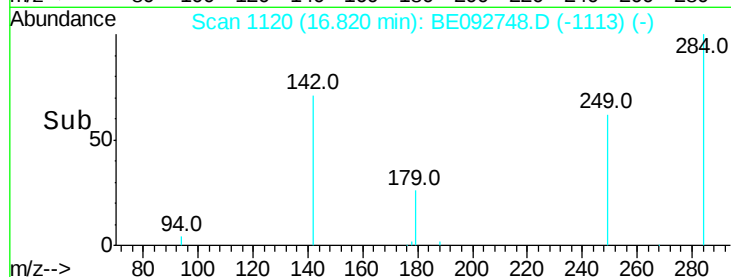
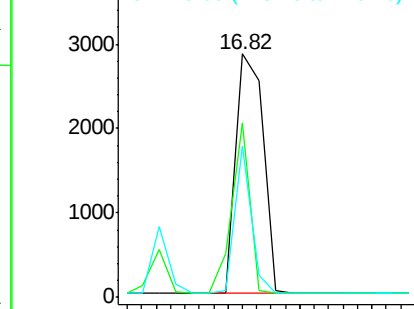
284 100

142 46.6 29.1 43.7#

249 37.0 27.9 41.9



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



#20

Pentachlorophenol

Concen: 8.04 ng

RT: 17.19 min Scan# 1136

Delta R.T. -0.11 min

Lab File: BE092748.D

Acq: 20 Feb 2017 15:22

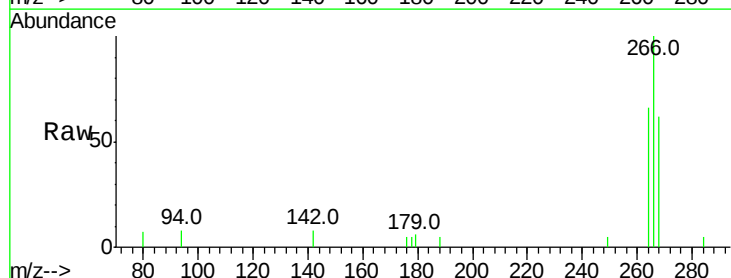
Tgt Ion:266 Resp: 4926

Ion Ratio Lower Upper

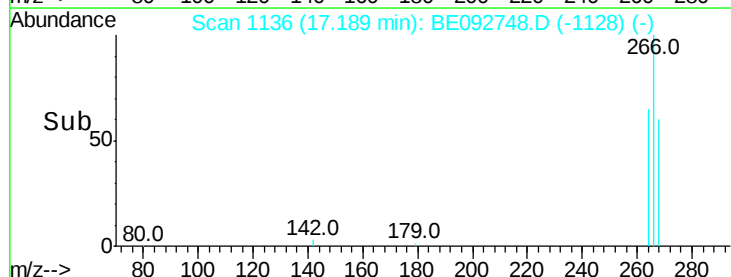
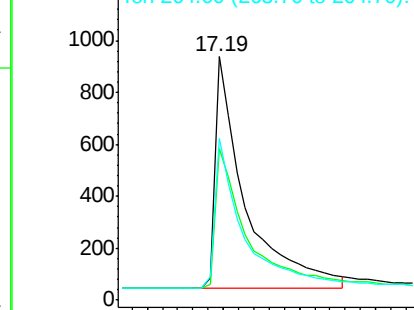
266 100

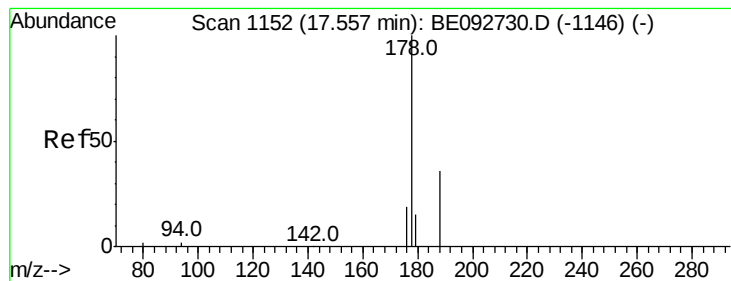
268 62.2 62.5 93.7#

264 66.2 57.2 85.8



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





#21

Phenanthrene

Concen: 3.69 ng

RT: 17.56 min Scan# 1152

Delta R.T. 0.00 min

Lab File: BE092748.D

Acq: 20 Feb 2017 15:22

Instrument :

BNA_E

ClientSampleId :

PB97065BS

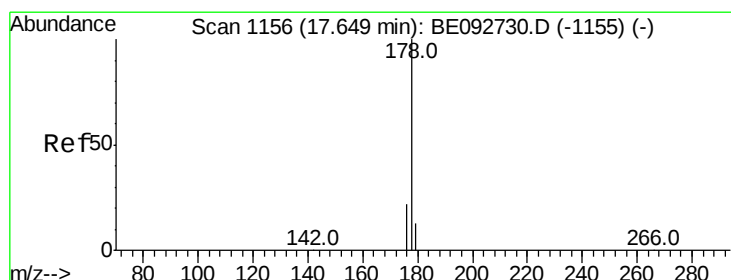
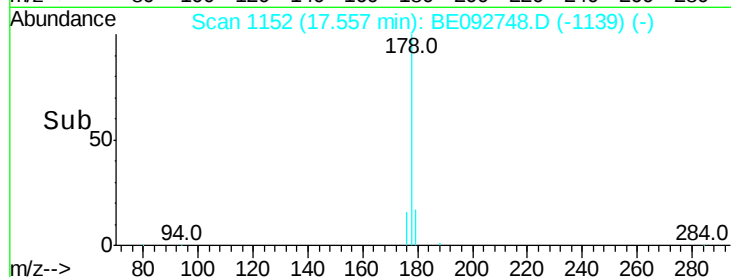
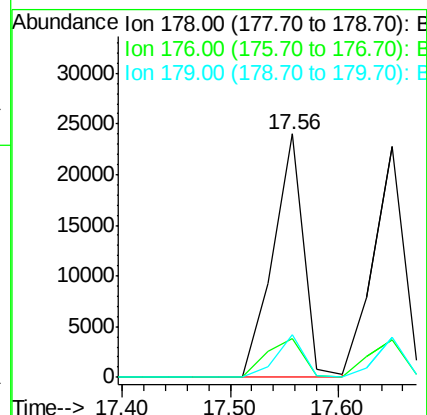
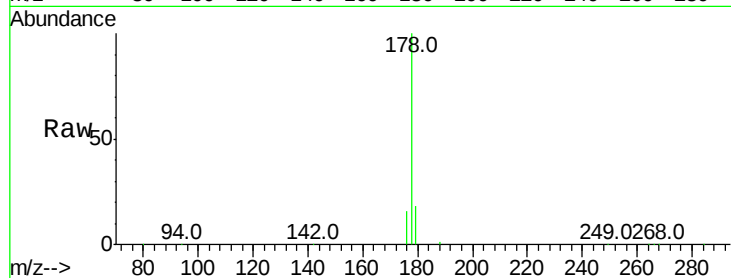
Tot Ion:178 Resp: 47312

Ion Ratio Lower Upper

178 100

176 18.9 15.8 23.8

179 15.9 16.0 24.0#



#22

Anthracene

Concen: 3.88 ng

RT: 17.65 min Scan# 1156

Delta R.T. 0.00 min

Lab File: BE092748.D

Acq: 20 Feb 2017 15:22

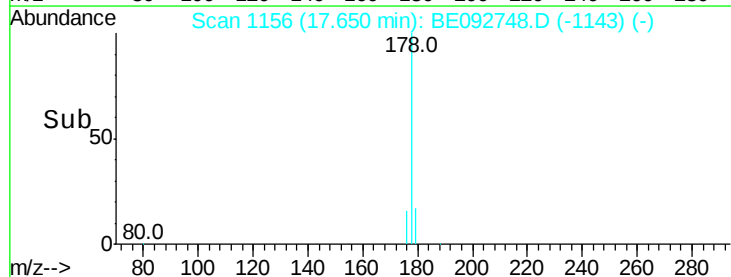
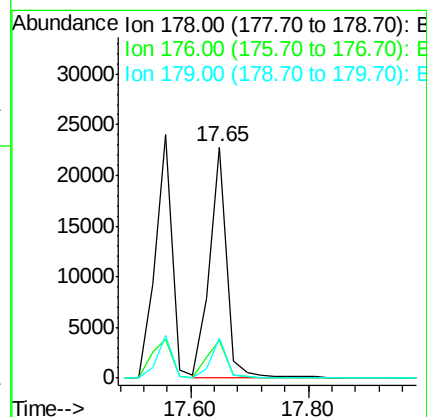
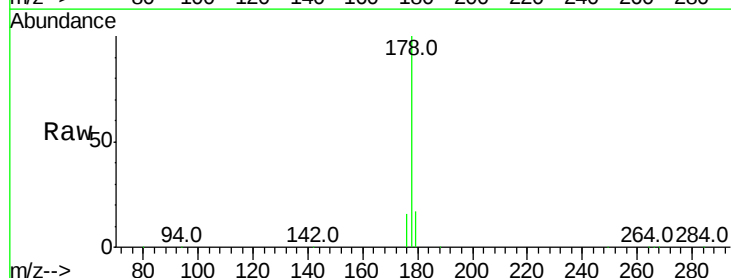
Tgt Ion:178 Resp: 45768

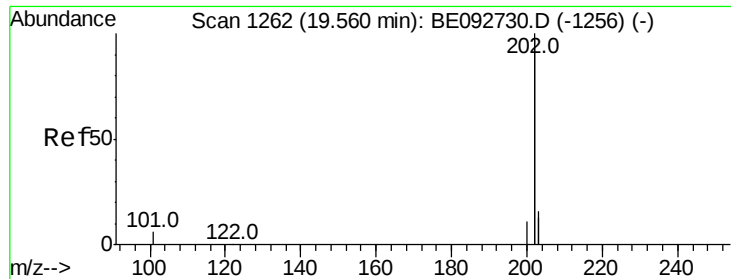
Ion Ratio Lower Upper

178 100

176 18.4 15.0 22.4

179 15.7 12.2 18.2





#23

Fluoranthene

Concen: 3.89 ng

RT: 19.54 min Scan# 1261

Delta R.T. -0.02 min

Lab File: BE092748.D

Acq: 20 Feb 2017 15:22

Instrument :

BNA_E

ClientSampleId :

PB97065BS

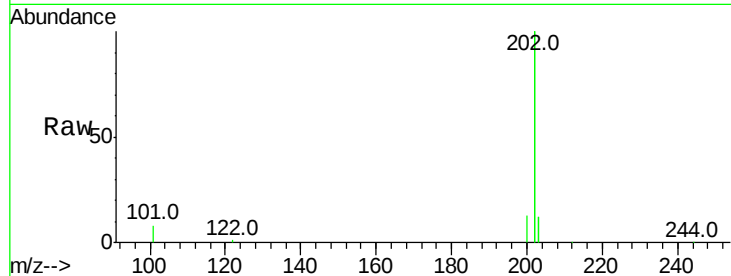
Tot Ion:202 Resp: 213917

Ion Ratio Lower Upper

202 100

101 2.9 2.2 3.4

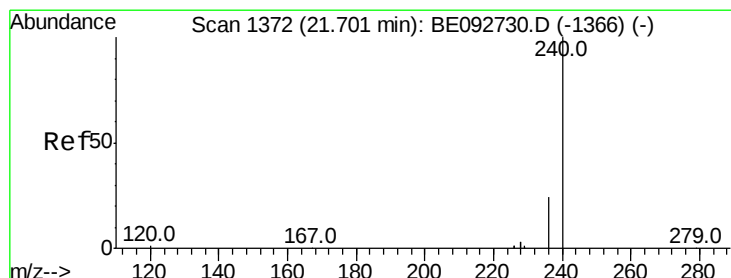
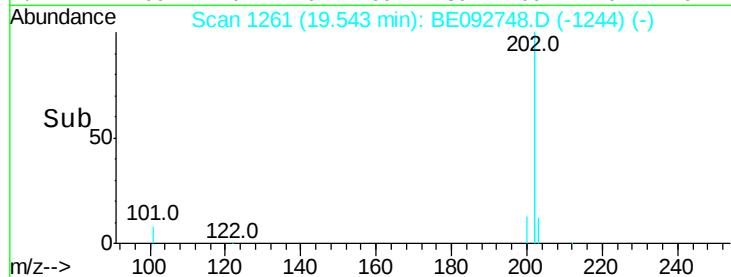
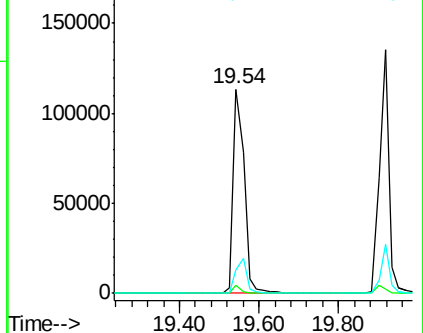
203 17.1 13.7 20.5



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



#24

Chrysene-d12

Concen: 5.00 ng

RT: 21.70 min Scan# 1372

Delta R.T. 0.00 min

Lab File: BE092748.D

Acq: 20 Feb 2017 15:22

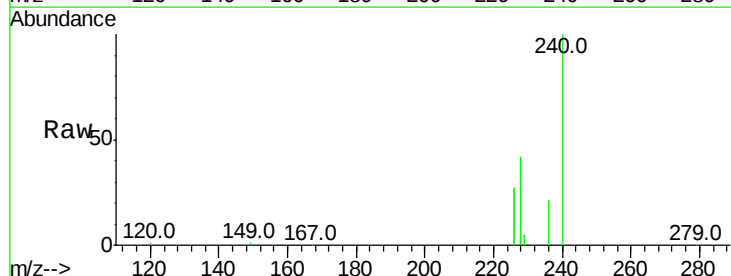
Tgt Ion:240 Resp: 47699

Ion Ratio Lower Upper

240 100

120 1.0 2.6 4.0#

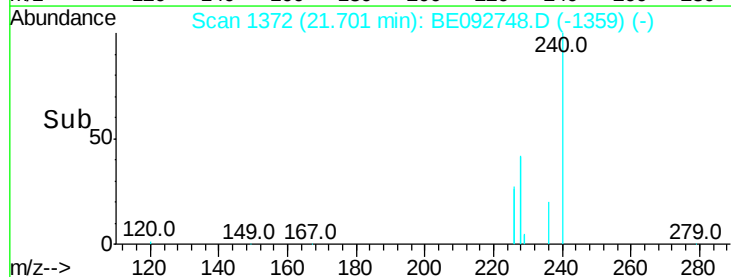
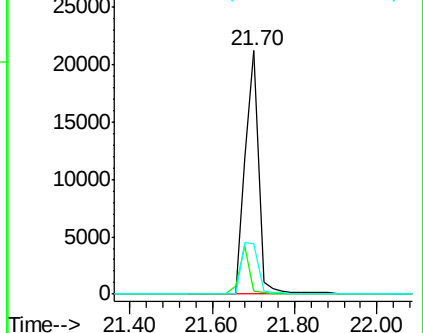
236 20.5 24.6 37.0#

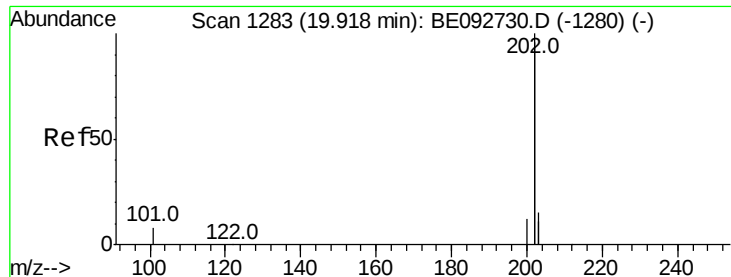


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#25

Pvrene

Concen: 4.95 ng

RT: 19.92 min Scan# 1283

Delta R.T. -0.00 min

Lab File: BE092748.D

Acq: 20 Feb 2017 15:22

Instrument :

BNA_E

ClientSampleId :

PB97065BS

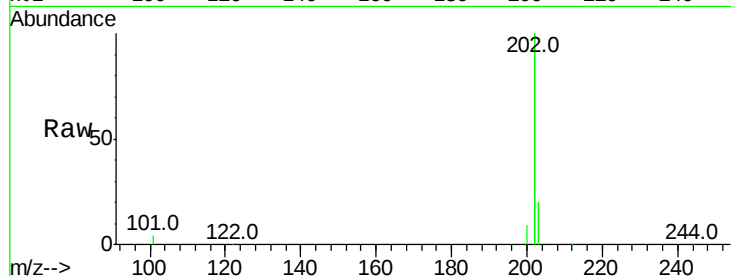
Tot Ion:202 Resp: 224790

Ion Ratio Lower Upper

202 100

200 5.2 4.2 6.4

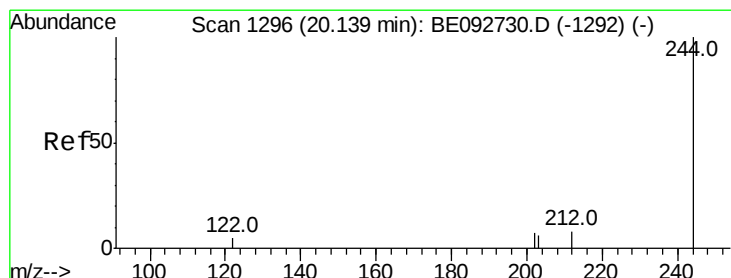
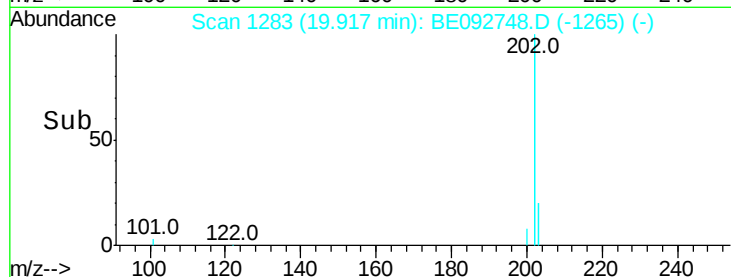
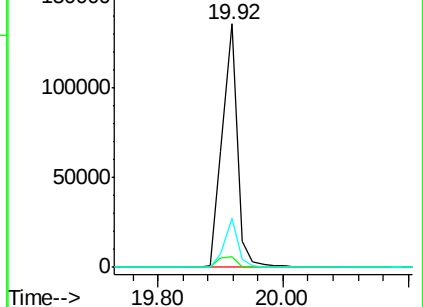
203 18.2 13.9 20.9



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



#26

Terphenyl-d14

Concen: 5.42 ng

RT: 20.12 min Scan# 1295

Delta R.T. -0.02 min

Lab File: BE092748.D

Acq: 20 Feb 2017 15:22

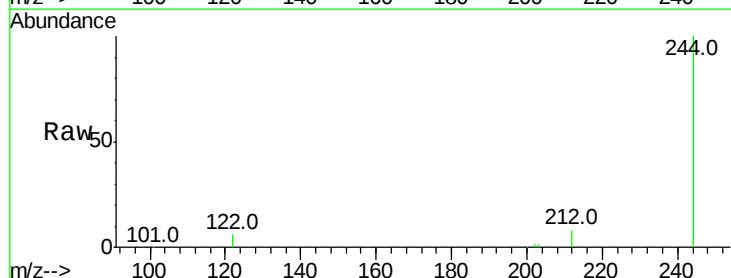
Tgt Ion:244 Resp: 33025

Ion Ratio Lower Upper

244 100

212 8.4 6.7 10.1

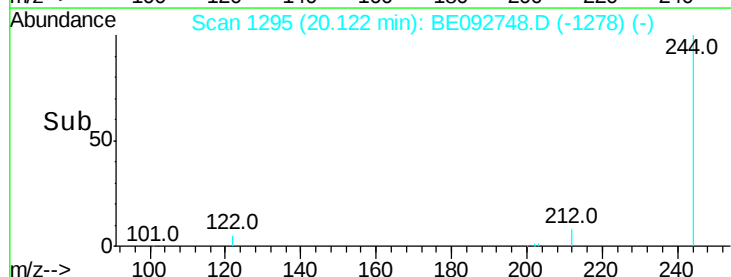
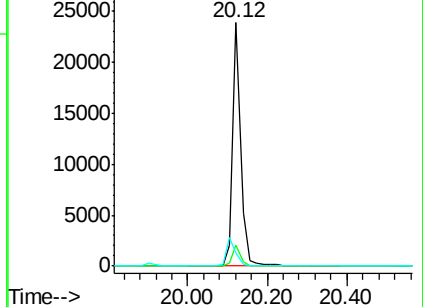
122 5.6 3.6 5.4#

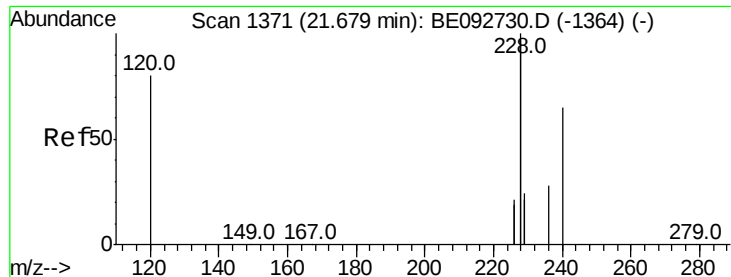


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#27

Benzo(a)anthracene

Concen: 4.72 ng

RT: 21.68 min Scan# 1371

Delta R.T. 0.00 min

Lab File: BE092748.D

Acq: 20 Feb 2017 15:22

Instrument :

BNA_E

ClientSampleId :

PB97065BS

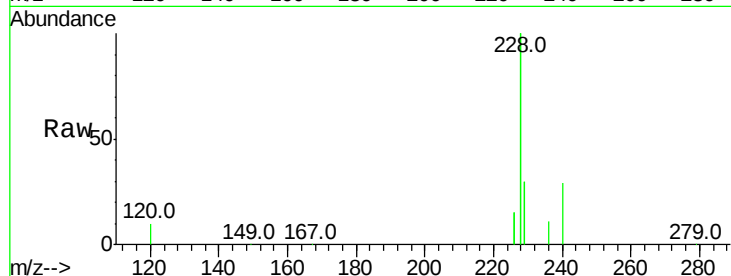
Tot Ion:228 Resp: 218281

Ion Ratio Lower Upper

228 100

226 14.9 23.6 35.4#

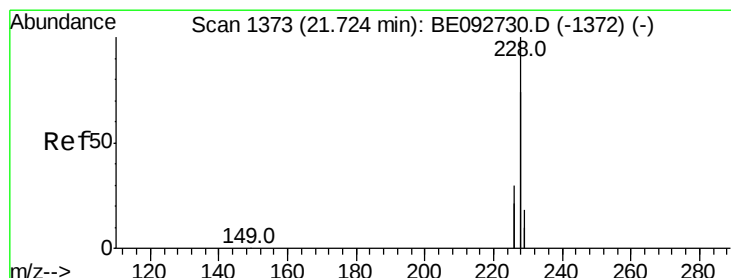
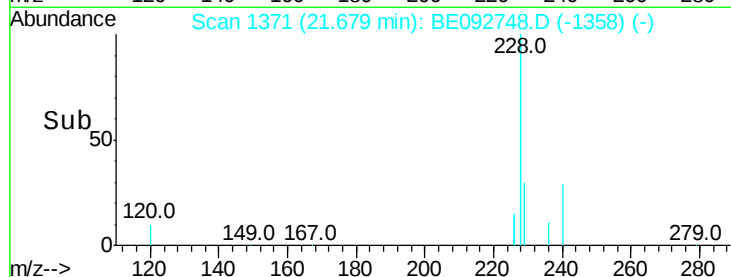
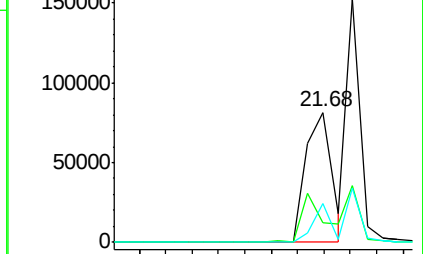
229 29.9 13.3 19.9#



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



#28

Chrysene

Concen: 3.98 ng

RT: 21.68 min Scan# 1371

Delta R.T. -0.05 min

Lab File: BE092748.D

Acq: 20 Feb 2017 15:22

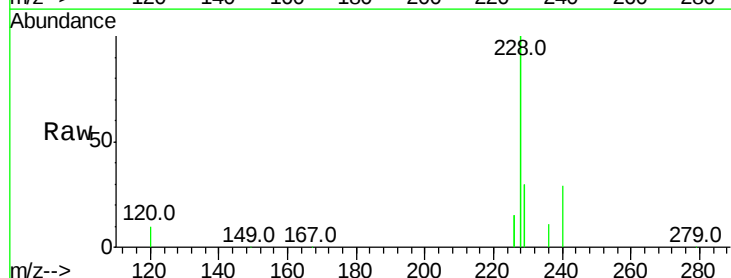
Tgt Ion:228 Resp: 218288

Ion Ratio Lower Upper

228 100

226 14.9 36.3 54.5#

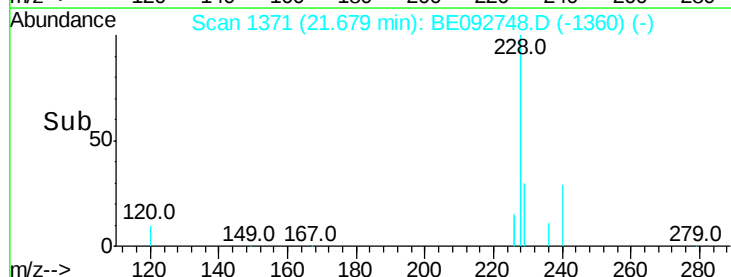
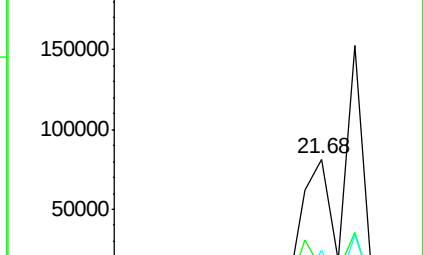
229 29.9 10.6 16.0#

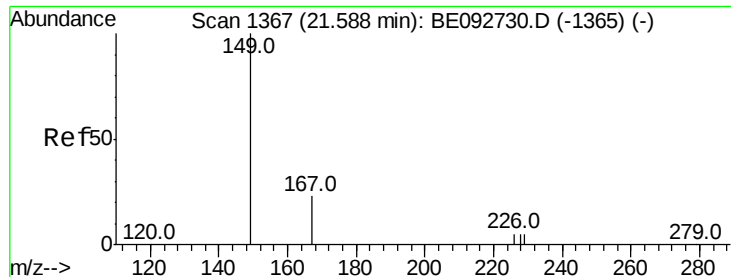


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#29

Bis(2-ethylhexyl)phthalate

Concen: 5.63 ng

RT: 21.59 min Scan# 1367

Delta R.T. 0.00 min

Lab File: BE092748.D

Acq: 20 Feb 2017 15:22

Instrument :

BNA_E

ClientSampleId :

PB97065BS

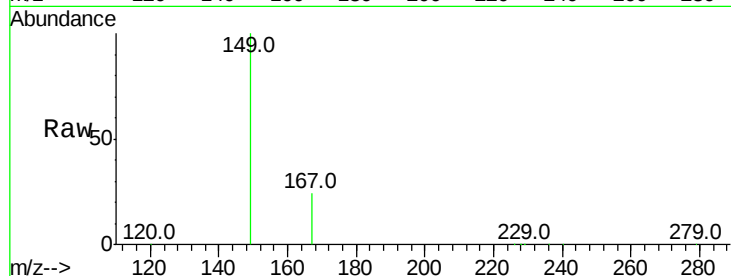
Tot Ion:149 Resp: 36029

Ion Ratio Lower Upper

149 100

167 24.3 16.0 24.0#

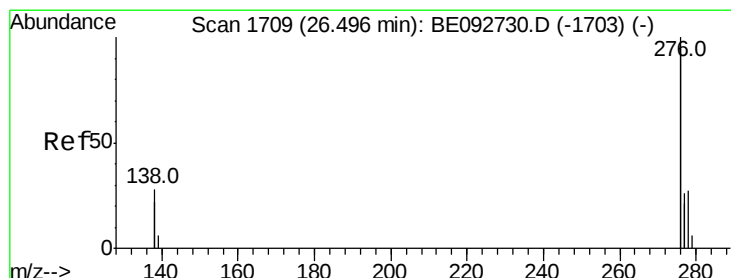
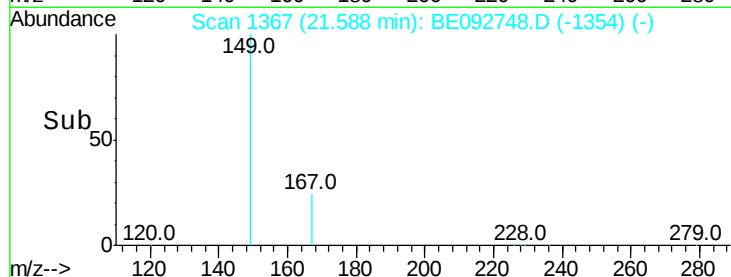
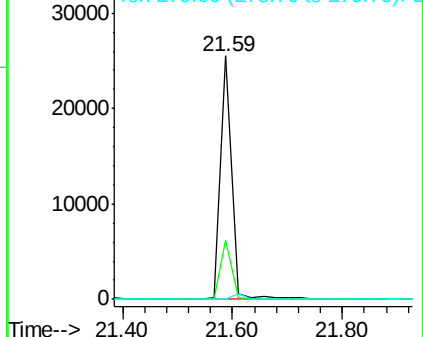
279 0.0 16.0 24.0#



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



#30

Indeno(1,2,3-cd)pyrene

Concen: 4.89 ng

RT: 26.46 min Scan# 1707

Delta R.T. -0.03 min

Lab File: BE092748.D

Acq: 20 Feb 2017 15:22

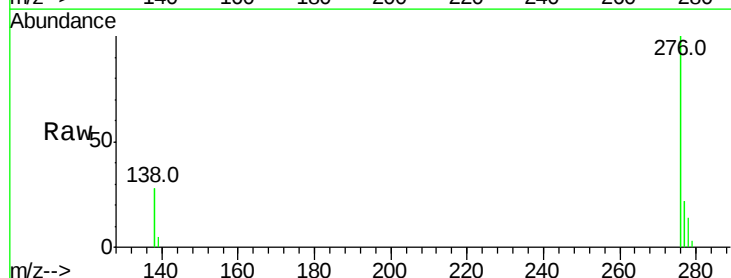
Tgt Ion:276 Resp: 278340

Ion Ratio Lower Upper

276 100

138 27.9 20.3 30.5

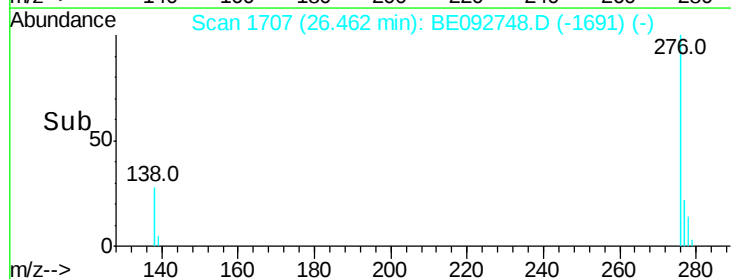
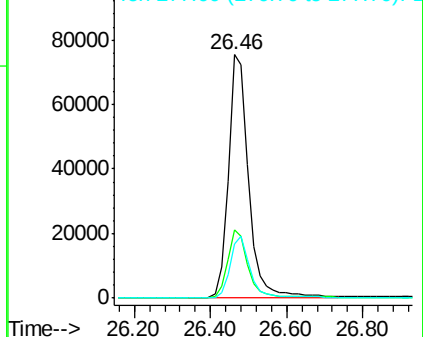
277 24.8 19.7 29.5

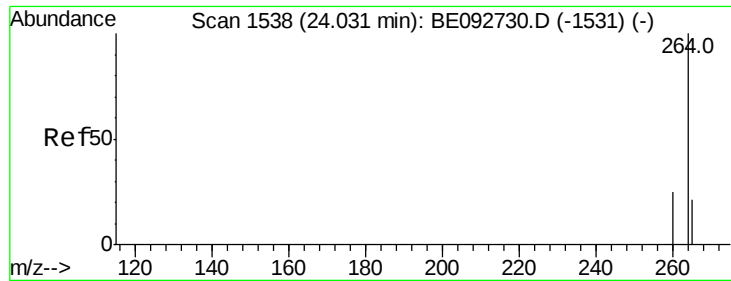


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#31

Pervlene-d12

Concen: 5.00 ng

RT: 24.03 min Scan# 1538

Delta R.T. -0.00 min

Lab File: BE092748.D

Acq: 20 Feb 2017 15:22

Instrument :

BNA_E

ClientSampleId :

PB97065BS

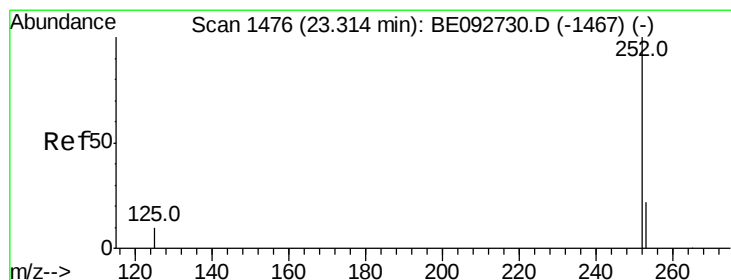
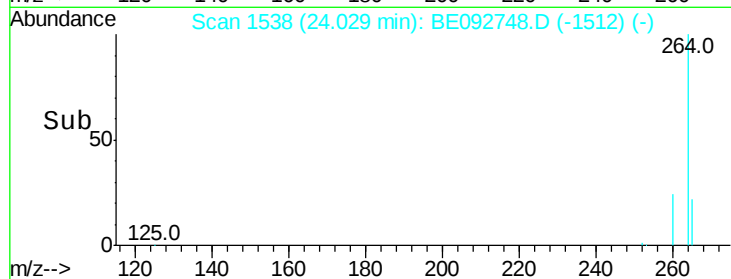
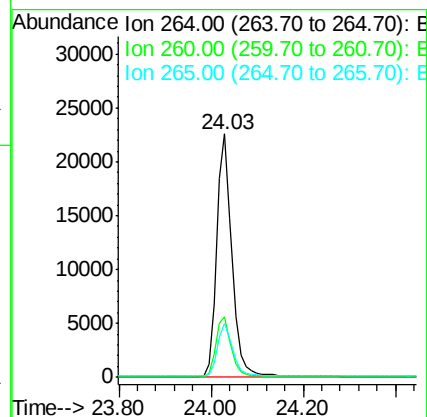
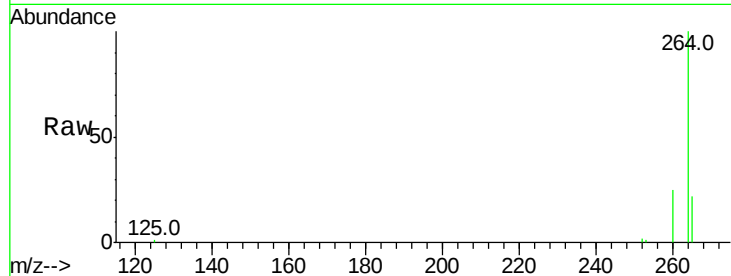
Tot Ion:264 Resp: 51992

Ion Ratio Lower Upper

264 100

260 24.6 20.1 30.1

265 22.1 17.9 26.9



#32

Benzo(b)fluoranthene

Concen: 4.25 ng

RT: 23.30 min Scan# 1475

Delta R.T. -0.01 min

Lab File: BE092748.D

Acq: 20 Feb 2017 15:22

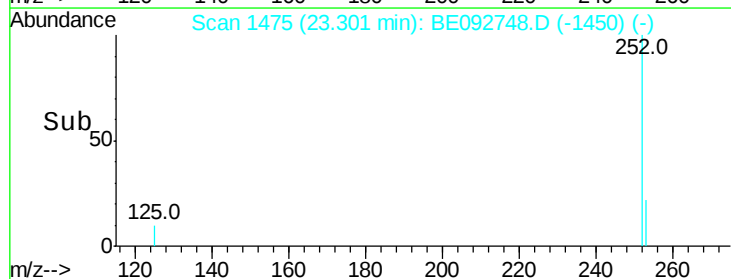
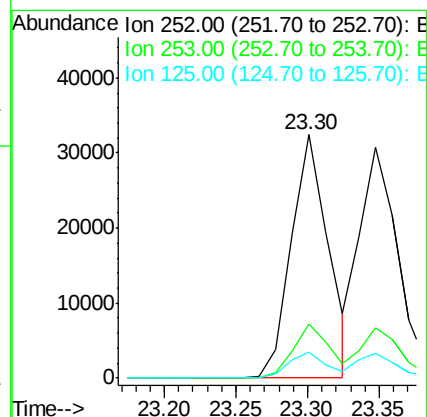
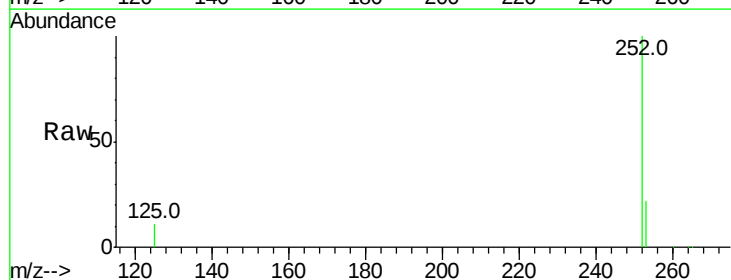
Tgt Ion:252 Resp: 57951

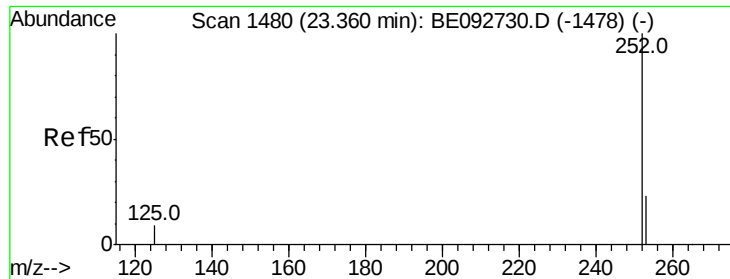
Ion Ratio Lower Upper

252 100

253 22.4 18.7 28.1

125 10.5 10.5 15.7





#33

Benzo(k)fluoranthene

Concen: 4.11 ng

RT: 23.35 min Scan# 1479

Delta R.T. -0.01 min

Lab File: BE092748.D

Acq: 20 Feb 2017 15:22

Instrument :

BNA_E

ClientSampleId :

PB97065BS

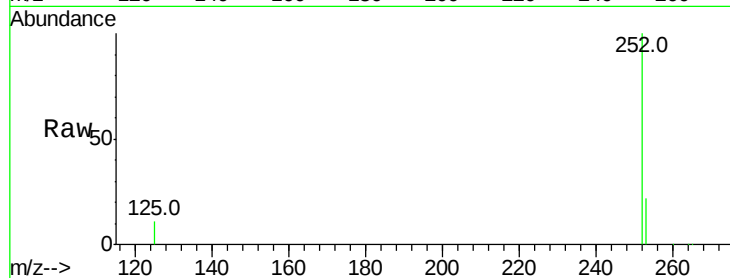
Tot Ion:252 Resp: 59706

Ion Ratio Lower Upper

252 100

253 21.9 20.3 30.5

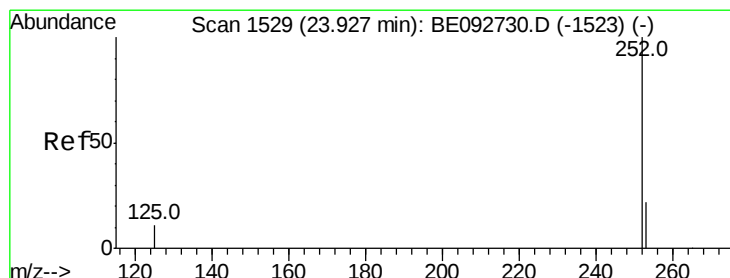
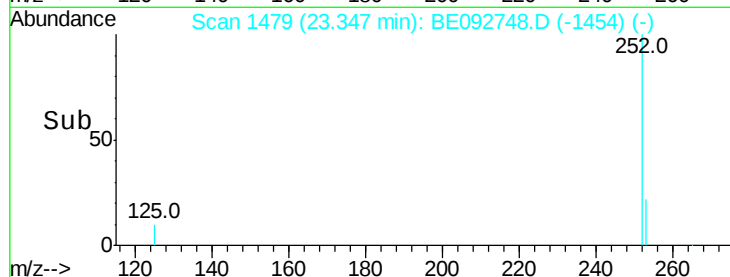
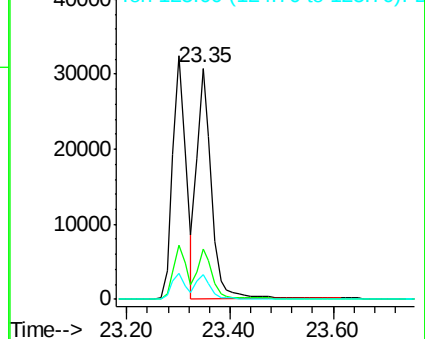
125 10.7 9.6 14.4



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(a)pyrene

Concen: 4.24 ng

RT: 23.91 min Scan# 1528

Delta R.T. -0.01 min

Lab File: BE092748.D

Acq: 20 Feb 2017 15:22

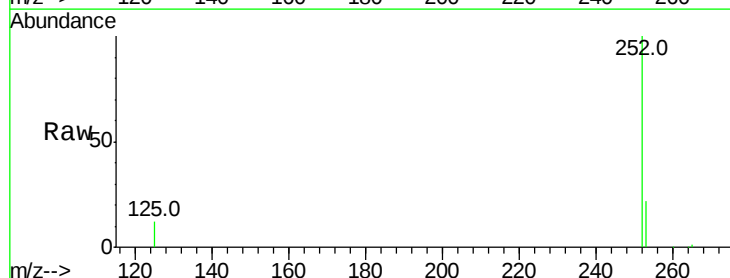
Tgt Ion:252 Resp: 56707

Ion Ratio Lower Upper

252 100

253 21.8 19.0 28.6

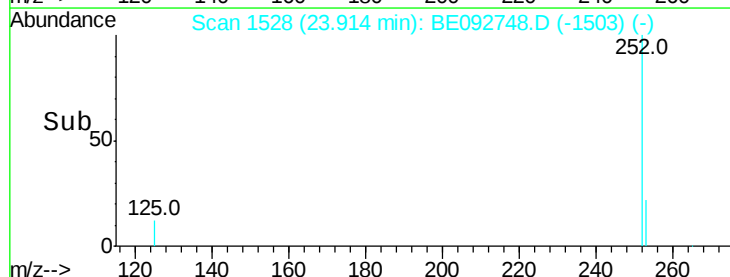
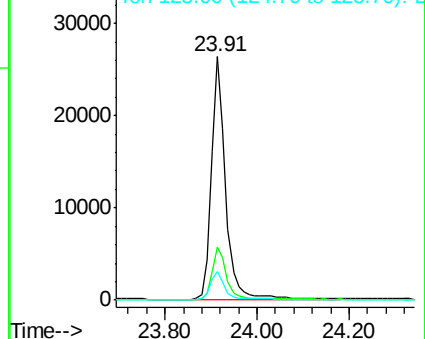
125 11.8 11.8 17.8

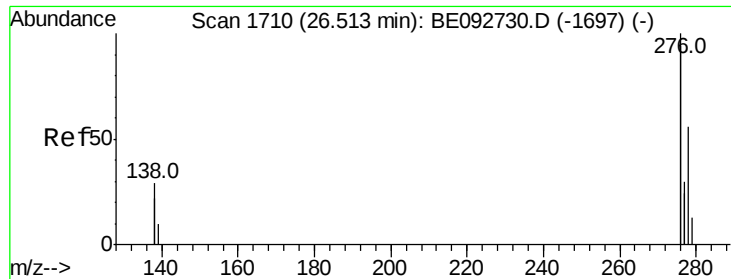


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#35

Dibenzo(a,h)anthracene

Concen: 4.38 ng

RT: 26.50 min Scan# 1709

Delta R.T. -0.02 min

Lab File: BE092748.D

Acq: 20 Feb 2017 15:22

Instrument :

BNA_E

ClientSampleId :

PB97065BS

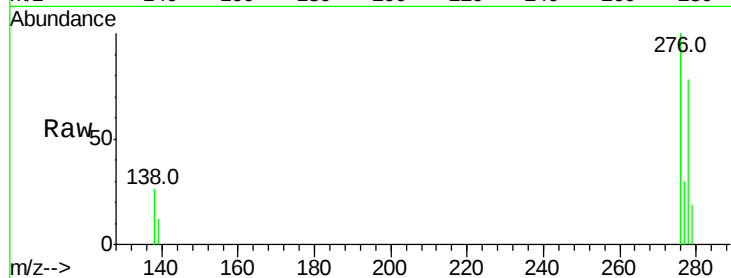
Tot Ion:278 Resp: 57528

Ion Ratio Lower Upper

278 100

139 15.6 13.8 20.8

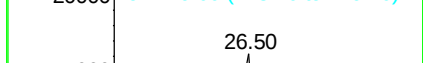
279 24.2 21.4 32.2



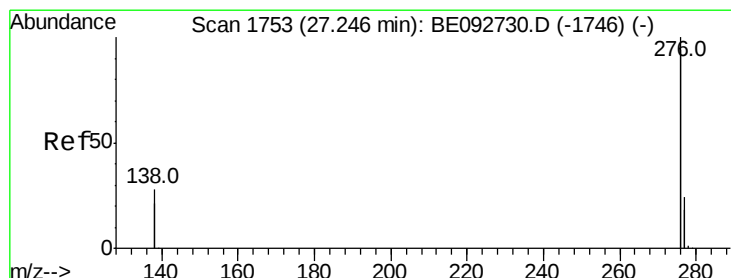
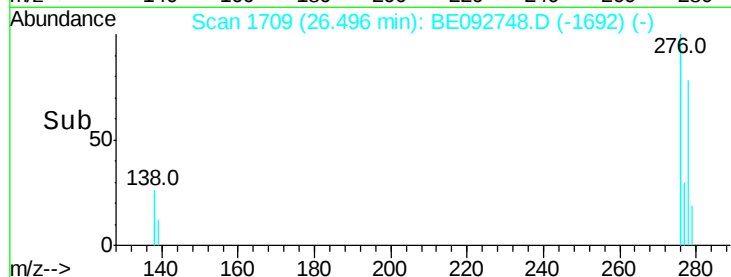
Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



Time-->



#36

Benzo(g,h,i)perylene

Concen: 4.40 ng

RT: 27.23 min Scan# 1752

Delta R.T. -0.02 min

Lab File: BE092748.D

Acq: 20 Feb 2017 15:22

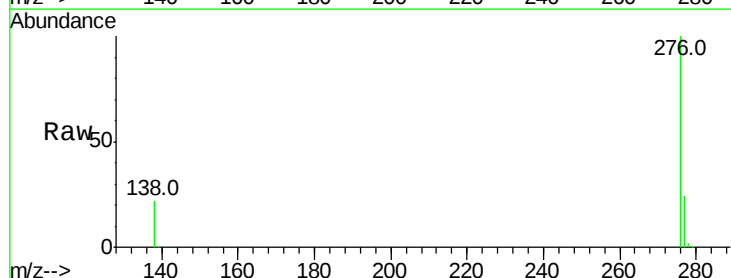
Tgt Ion:276 Resp: 239831

Ion Ratio Lower Upper

276 100

277 24.4 19.8 29.8

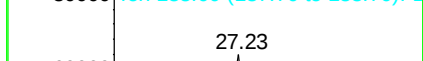
138 22.1 19.8 29.6



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



Time-->

