

Data Path : Z:\HPCHEM1\BNA E\DATA\BE122217\
 Data File : BE095042.D
 Acq On : 22 Dec 2017 12:54
 Operator : SJ/JU
 Sample : PB105289BSD
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB105289BSD

Quant Time: Dec 22 17:39:37 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 14 18:42:53 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.46	152	6843	0.40	ng	0.00
7) Naphthalene-d8	11.31	136	14740	0.40	ng	-0.02
13) Acenaphthene-d10	15.04	164	7157	0.40	ng	-0.02
19) Phenanthrene-d10	17.74	188	15848	0.40	ng	-0.03
27) Chrysene-d12	21.84	240	17530	0.40	ng	-0.03
34) Perylene-d12	24.49	264	15741	0.40	ng	-0.05

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.94	112	2942	0.28	ng	0.00
5) Phenol-d6	7.58	99	4122	0.26	ng	0.00
8) Nitrobenzene-d5	9.63	82	3983	0.33	ng	-0.02
11) 2-Methylnaphthalene-d10	12.84	152	6738	0.28	ng	-0.02
14) 2,4,6-Tribromophenol	16.50	330	417	0.25	ng	-0.03
15) 2-Fluorobiphenyl	13.68	172	10436	0.33	ng	-0.02
25) Fluoranthene-d10	19.72	212	60383	0.29	ng	-0.03
29) Terphenyl-d14	20.28	244	12153	0.37	ng	-0.03

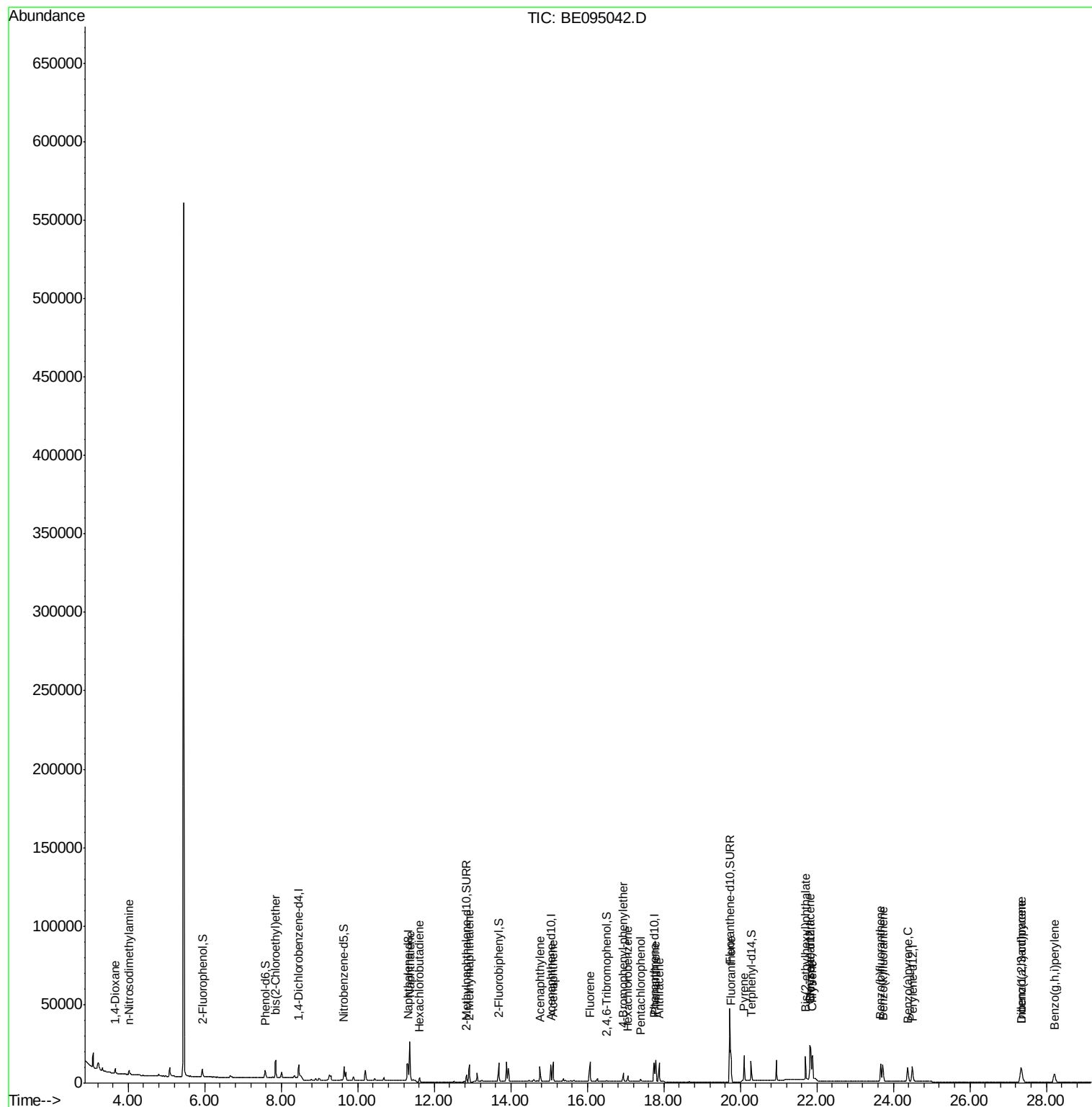
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.66	88	1740	0.258	ng	# 82
3) n-Nitrosodimethylamine	4.02	42	2238	0.281	ng	96
6) bis(2-Chloroethyl)ether	7.86	93	4376	0.284	ng	94
9) Naphthalene	11.36	128	48926	0.283	ng	99
10) Hexachlorobutadiene	11.61	225	2292	0.291	ng	96
12) 2-Methylnaphthalene	12.91	142	11106	0.257	ng	97
16) Acenaphthylene	14.76	152	10317	0.270	ng	100
17) Acenaphthene	15.10	154	7027	0.277	ng	96
18) Fluorene	16.07	166	8683	0.275	ng	# 78
20) 4-Bromophenyl-phenylether	16.94	248	2764	0.298	ng	# 87
21) Hexachlorobenzene	17.06	284	2819	0.297	ng	# 80
22) Pentachlorophenol	17.40	266	1083	0.541	ng	# 71
23) Phenanthrene	17.79	178	14441	0.292	ng	97
24) Anthracene	17.88	178	14985	0.296	ng	# 89
26) Fluoranthene	19.75	202	17877	0.293	ng	98
28) Pyrene	20.10	202	20258	0.341	ng	98
30) Benzo(a)anthracene	21.82	228	16643	0.325	ng	# 61
31) Chrysene	21.89	228	19177	0.333	ng	# 63
32) Bis(2-ethylhexyl)phthalate	21.70	149	17724	0.272	ng	100
33) Indeno(1,2,3-cd)pyrene	27.33	276	16427	0.350	ng	97
35) Benzo(b)fluoranthene	23.67	252	16916	0.293	ng	# 91
36) Benzo(k)fluoranthene	23.73	252	16388	0.280	ng	93
37) Benzo(a)pyrene	24.37	252	15541	0.303	ng	94
38) Dibenzo(a,h)anthracene	27.35	278	12909	0.271	ng	98
39) Benzo(g,h,i)perylene	28.21	276	14307	0.302	ng	95

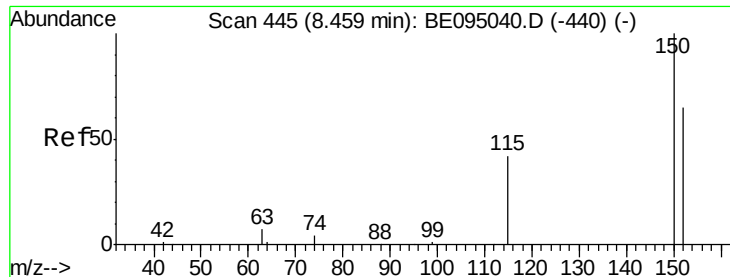
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 8.46 min Scan# 445

Delta R.T. -0.01 min

Lab File: BE095042.D

Acq: 22 Dec 2017 12:54

Instrument :

BNA_E

ClientSampleId :

PB105289BSD

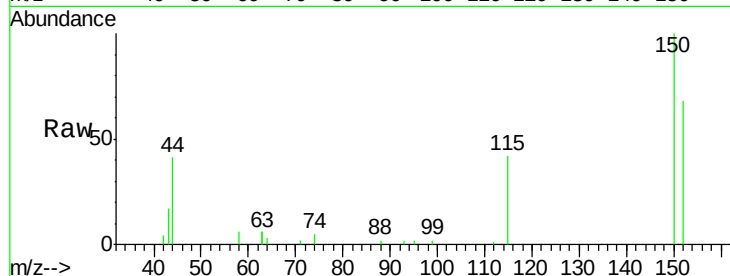
Tot Ion:152 Resp: 6843

Ion Ratio Lower Upper

152 100

150 146.5 117.2 175.8

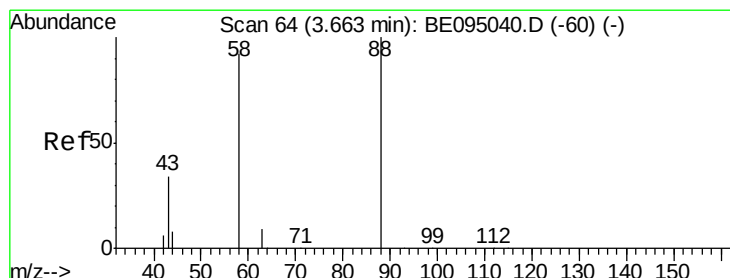
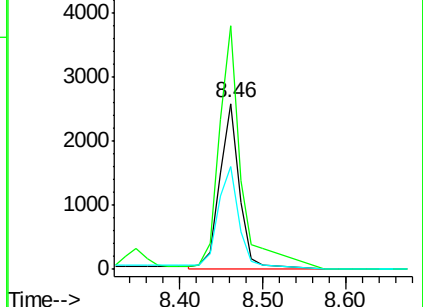
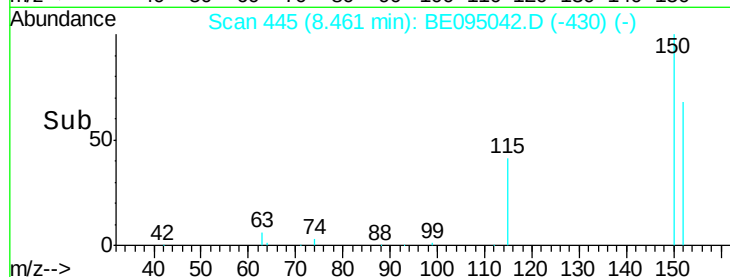
115 62.1 57.0 85.6



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: 0.258 ng

RT: 3.66 min Scan# 64

Delta R.T. 0.00 min

Lab File: BE095042.D

Acq: 22 Dec 2017 12:54

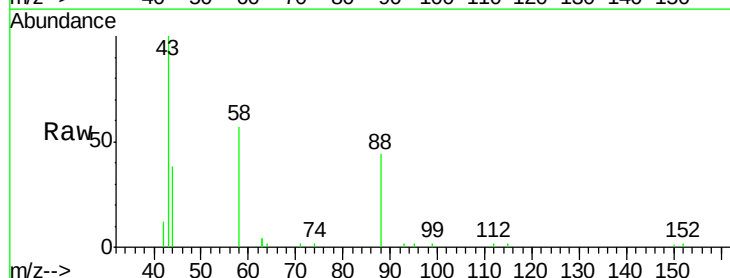
Tgt Ion: 88 Resp: 1740

Ion Ratio Lower Upper

88 100

58 92.1 63.2 94.8

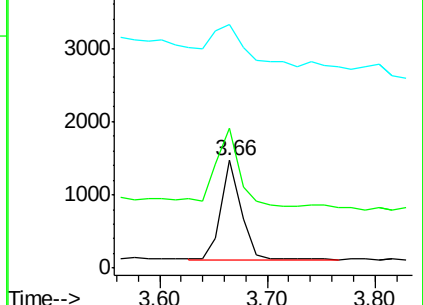
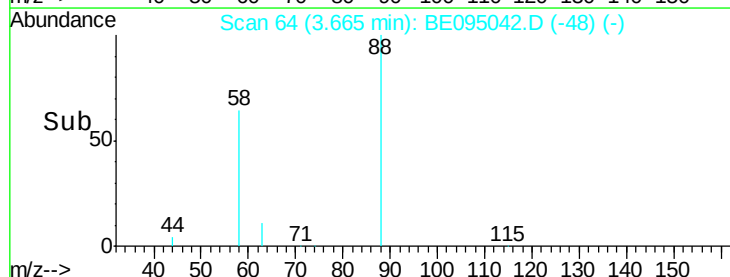
43 67.6 41.2 61.8#

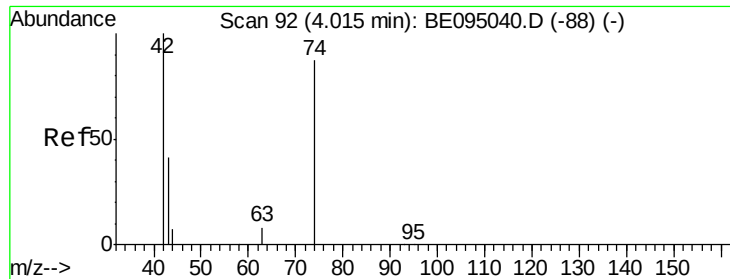


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0



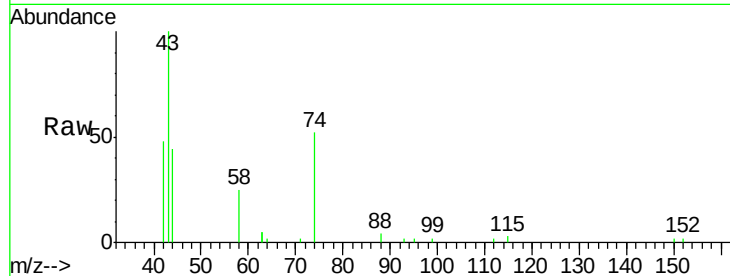


#3

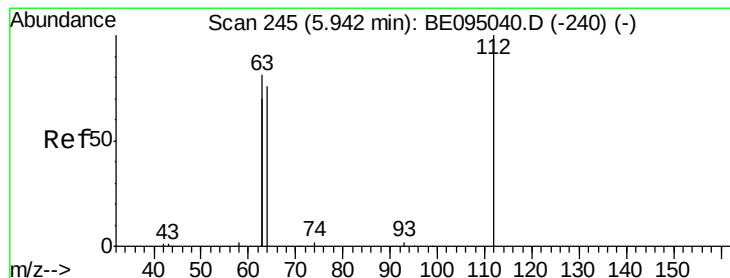
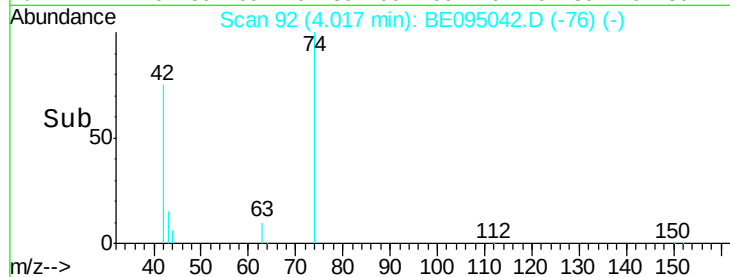
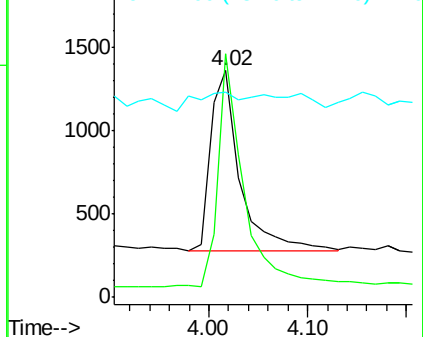
n-Nitrosodimethylamine
 Concen: 0.281 ng
 RT: 4.02 min Scan# 92
 Delta R.T. 0.00 min
 Lab File: BE095042.D
 Acq: 22 Dec 2017 12:54

Instrument :
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 ClientSampleId :
 PB105289BSD

Tot Ion: 42 Resp: 2238
 Ion Ratio Lower Upper
 42 100
 74 115.5 96.0 144.0
 44 15.2 12.0 18.0



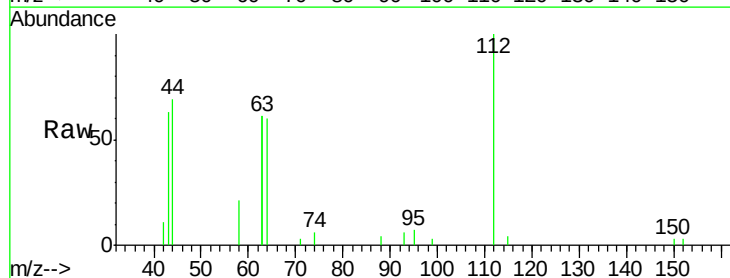
Abundance Ion 42.00 (41.70 to 42.70): BE0
 Ion 74.00 (73.70 to 74.70): BE0
 Ion 44.00 (43.70 to 44.70): BE0



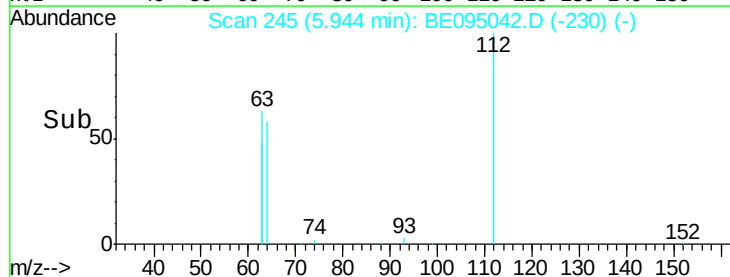
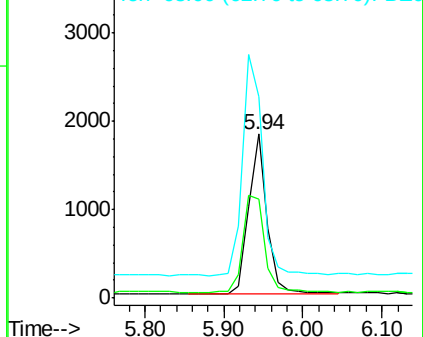
#4

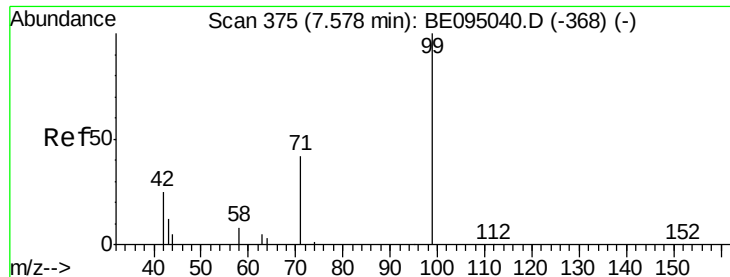
2-Fluorophenol
 Concen: 0.277 ng
 RT: 5.94 min Scan# 245
 Delta R.T. -0.01 min
 Lab File: BE095042.D
 Acq: 22 Dec 2017 12:54

Tgt Ion: 112 Resp: 2942
 Ion Ratio Lower Upper
 112 100
 64 71.0 60.1 90.1
 63 151.0 116.8 175.2



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: 0.261 ng

RT: 7.58 min Scan# 375

Delta R.T. -0.01 min

Lab File: BE095042.D

Acq: 22 Dec 2017 12:54

Instrument :

BNA_E

ClientSampleId :

PB105289BSD

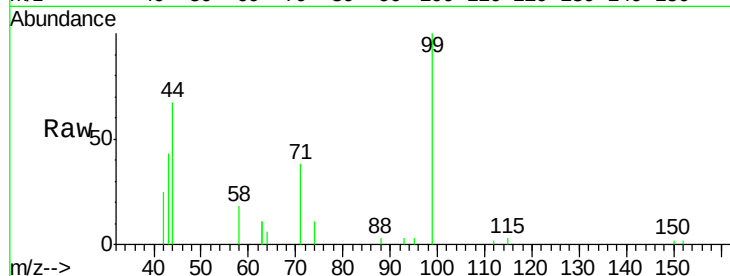
Tot Ion: 99 Resp: 4122

Ion Ratio Lower Upper

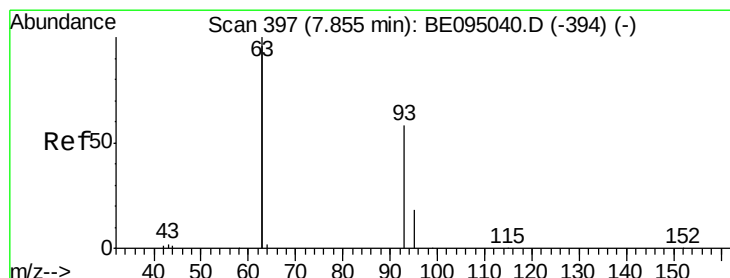
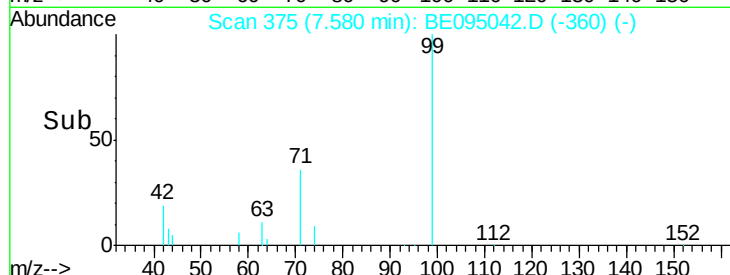
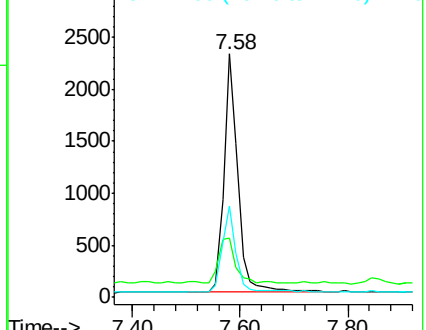
99 100

42 21.8 20.2 30.2

71 36.1 28.4 42.6



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: 0.284 ng

RT: 7.86 min Scan# 397

Delta R.T. -0.01 min

Lab File: BE095042.D

Acq: 22 Dec 2017 12:54

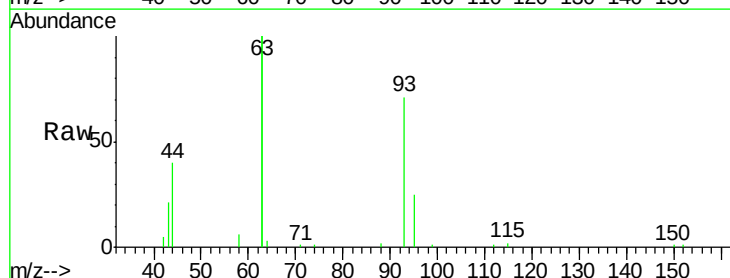
Tgt Ion: 93 Resp: 4376

Ion Ratio Lower Upper

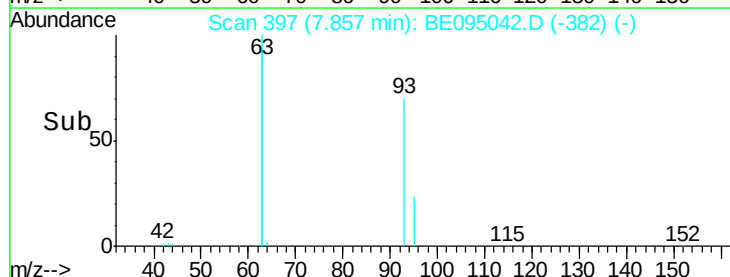
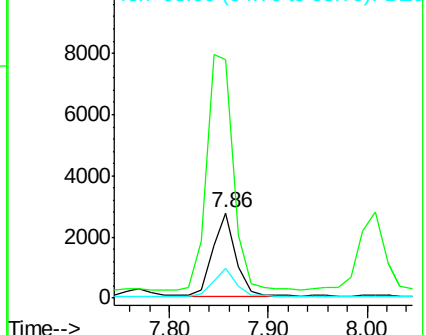
93 100

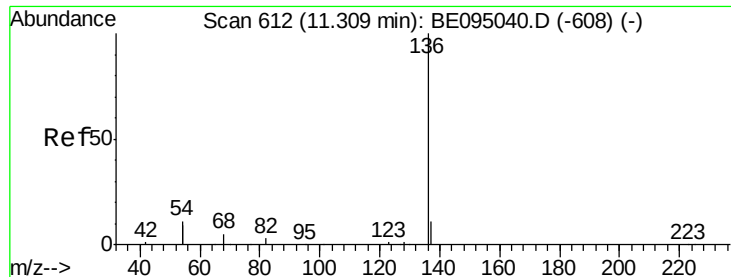
63 329.5 275.3 412.9

95 32.9 25.2 37.8



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: 0.400 ng

RT: 11.31 min Scan# 612

Delta R.T. -0.02 min

Lab File: BE095042.D

Acq: 22 Dec 2017 12:54

Instrument :

BNA_E

ClientSampleId :

PB105289BSD

Tot Ion:136 Resp: 14740

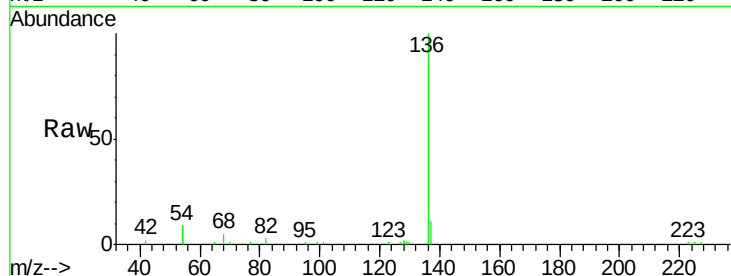
Ion Ratio Lower Upper

136 100

137 11.4 9.5 14.3

54 18.9 29.1 43.7#

68 4.5 6.2 9.2#

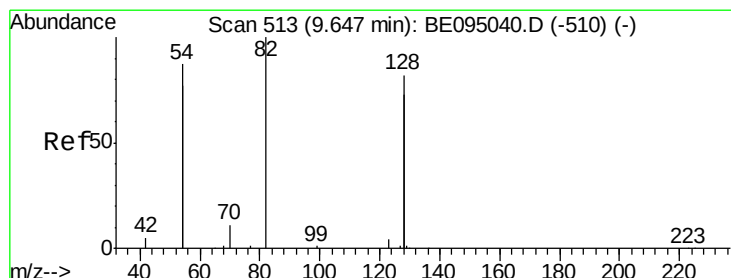
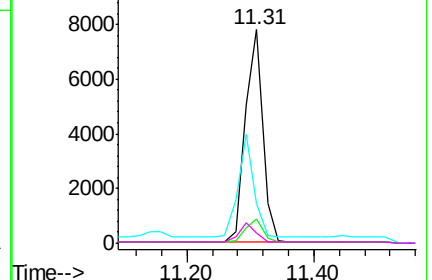
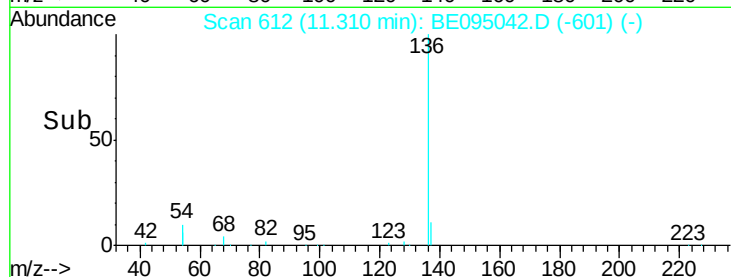


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.329 ng

RT: 9.63 min Scan# 512

Delta R.T. -0.02 min

Lab File: BE095042.D

Acq: 22 Dec 2017 12:54

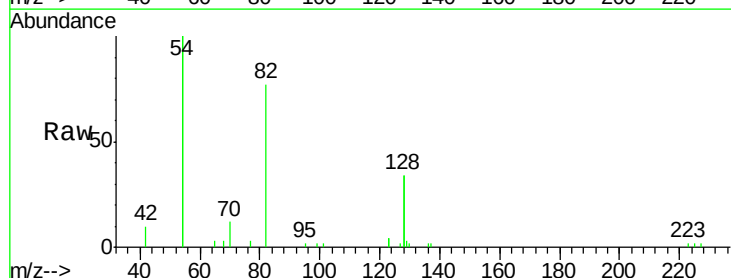
Tgt Ion: 82 Resp: 3983

Ion Ratio Lower Upper

82 100

128 88.9 150.0 225.0#

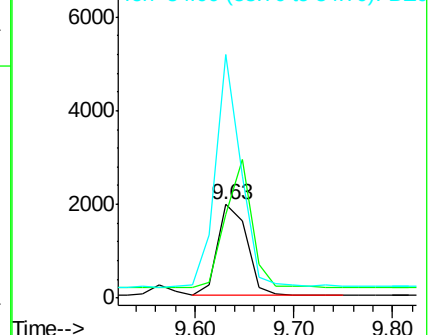
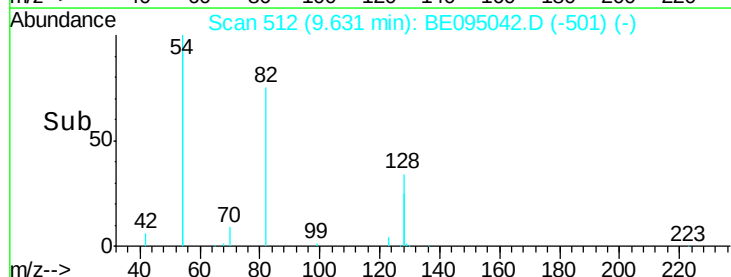
54 260.5 154.2 231.4#

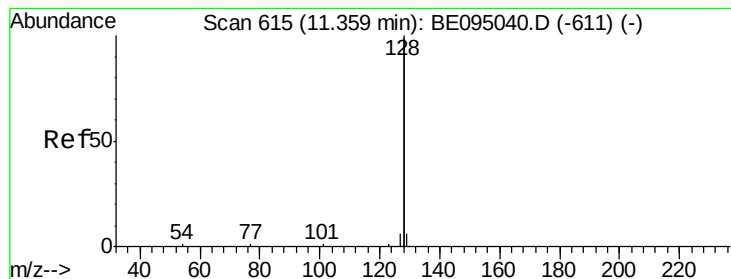


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.283 ng

RT: 11.36 min Scan# 615

Delta R.T. -0.02 min

Lab File: BE095042.D

Acq: 22 Dec 2017 12:54

Instrument :

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PB105289BSD

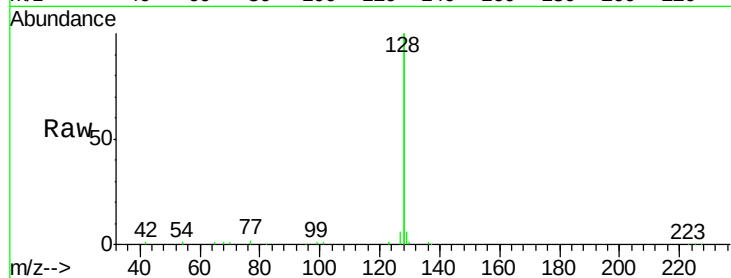
Tot Ion:128 Resp: 48926

Ion Ratio Lower Upper

128 100

129 3.1 2.6 3.8

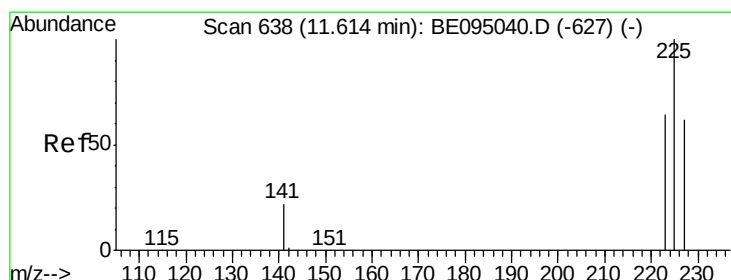
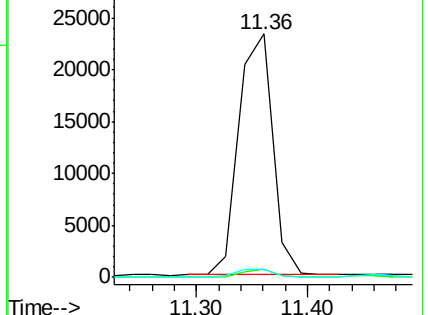
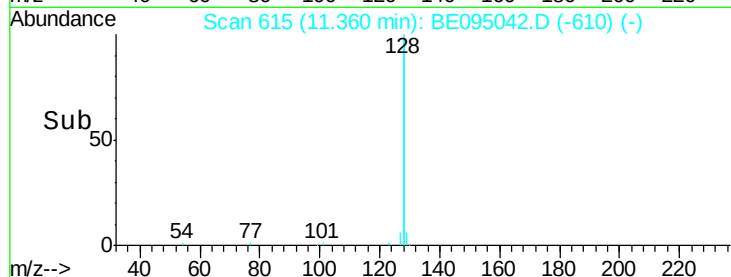
127 3.1 2.8 4.2



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: 0.291 ng

RT: 11.61 min Scan# 638

Delta R.T. -0.02 min

Lab File: BE095042.D

Acq: 22 Dec 2017 12:54

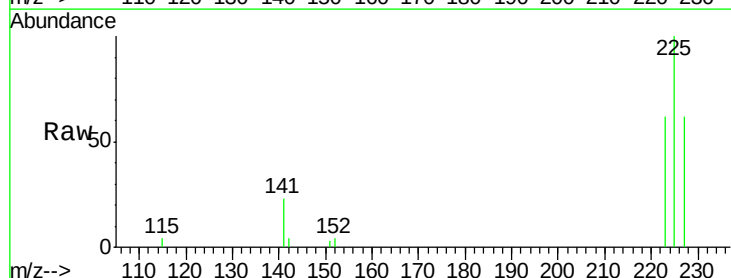
Tgt Ion:225 Resp: 2292

Ion Ratio Lower Upper

225 100

223 61.6 53.0 79.6

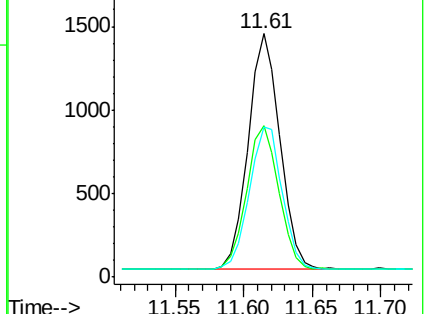
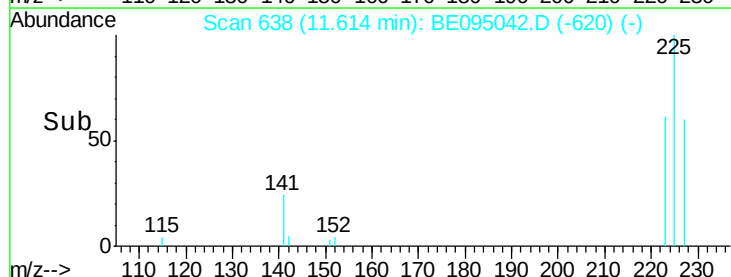
227 62.1 51.4 77.2

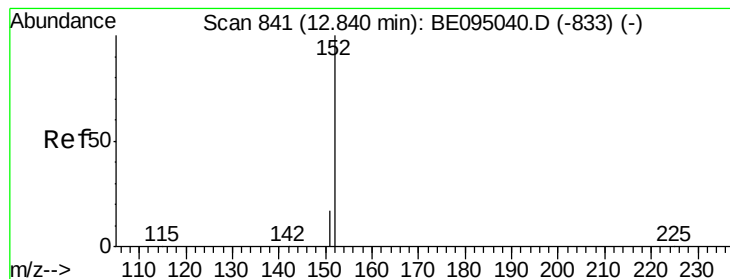


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.279 ng

RT: 12.84 min Scan# 841

Delta R.T. -0.02 min

Lab File: BE095042.D

Acq: 22 Dec 2017 12:54

Instrument :

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ClientSampleId :

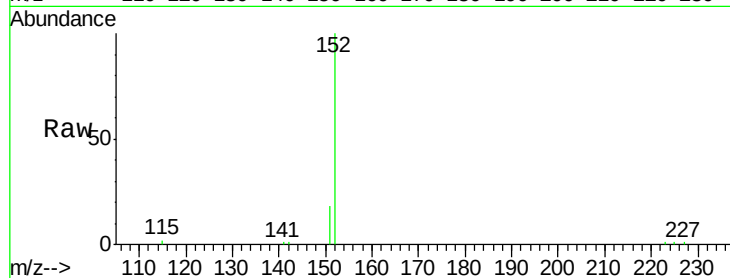
PB105289BSD

Tot Ion:152 Resp: 6738

Ion Ratio Lower Upper

152 100

151 19.1 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.84

4000

3000

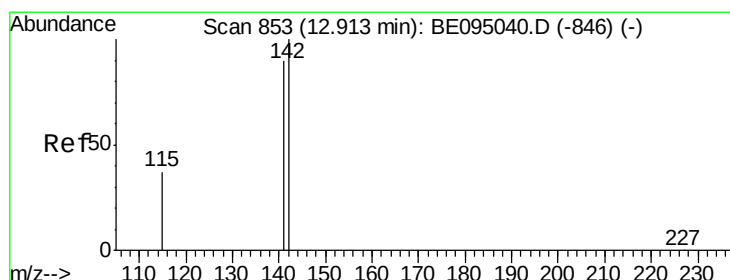
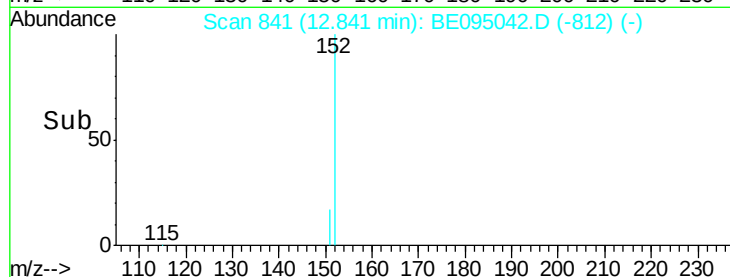
2000

1000

0

12.80 12.85 12.90

Time-->



#12

2-Methylnaphthalene

Concen: 0.257 ng

RT: 12.91 min Scan# 853

Delta R.T. -0.02 min

Lab File: BE095042.D

Acq: 22 Dec 2017 12:54

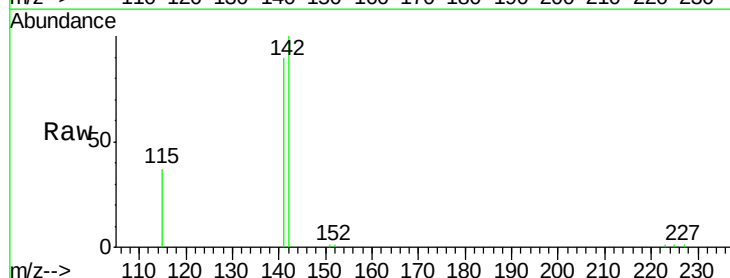
Tgt Ion:142 Resp: 11106

Ion Ratio Lower Upper

142 100

141 90.3 70.4 105.6

115 37.1 31.7 47.5



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

12.91

6000

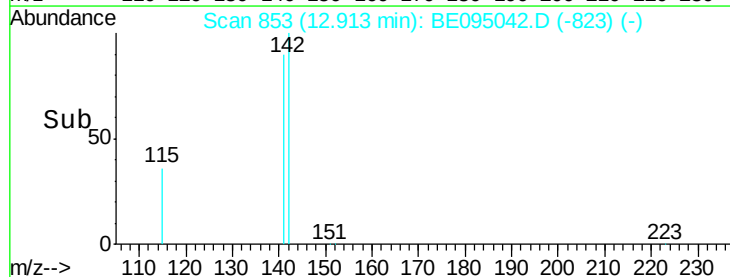
4000

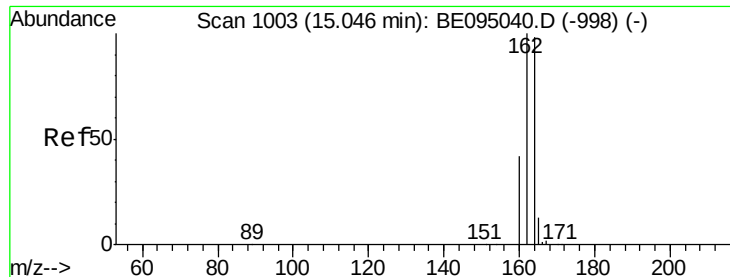
2000

0

12.80 12.90 13.00 13.10

Time-->





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 15.04 min Scan# 1003

Delta R.T. -0.02 min

Lab File: BE095042.D

Acq: 22 Dec 2017 12:54

Instrument :

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PB105289BSD

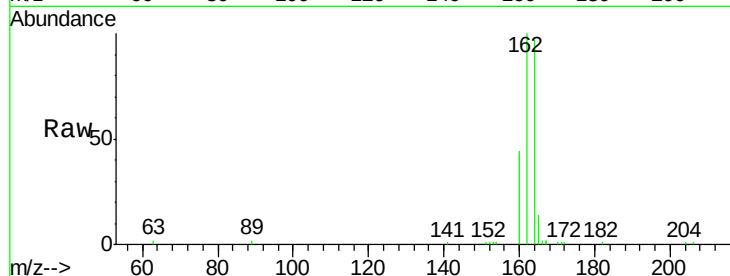
Tot Ion:164 Resp: 7157

Ion Ratio Lower Upper

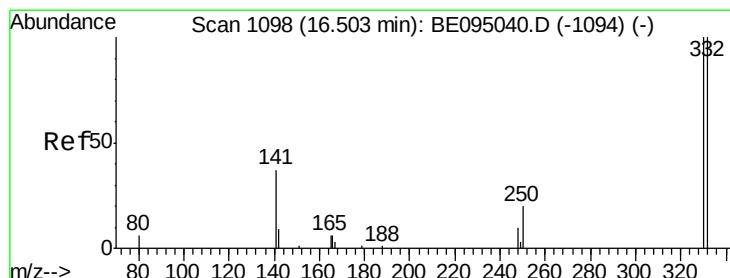
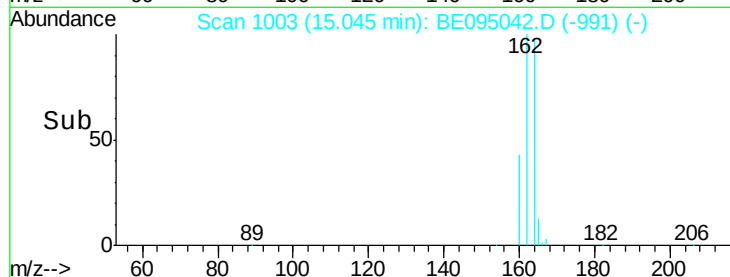
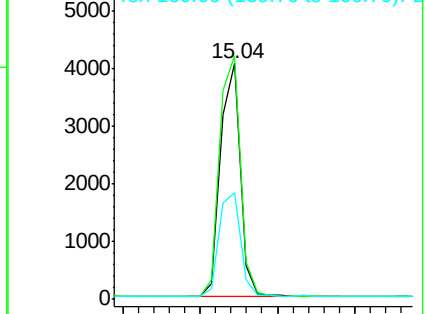
164 100

162 103.3 83.1 124.7

160 45.1 37.1 55.7



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



#14

2,4,6-Tribromophenol

Concen: 0.251 ng

RT: 16.50 min Scan# 1098

Delta R.T. -0.03 min

Lab File: BE095042.D

Acq: 22 Dec 2017 12:54

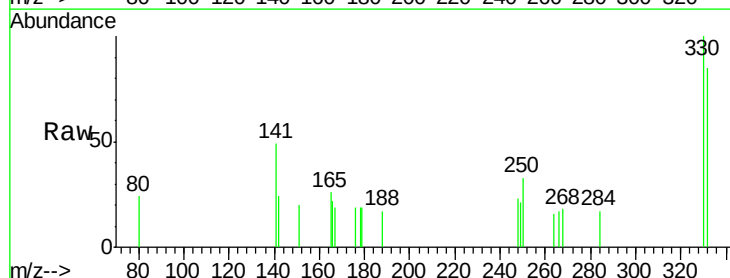
Tgt Ion:330 Resp: 417

Ion Ratio Lower Upper

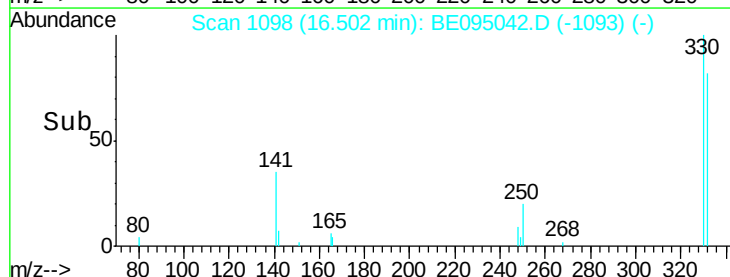
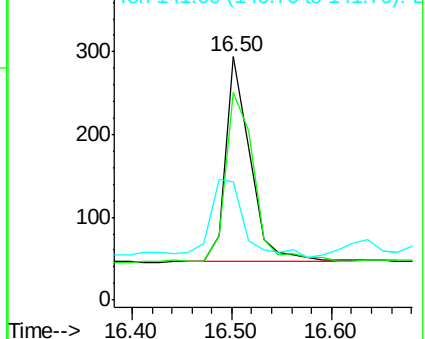
330 100

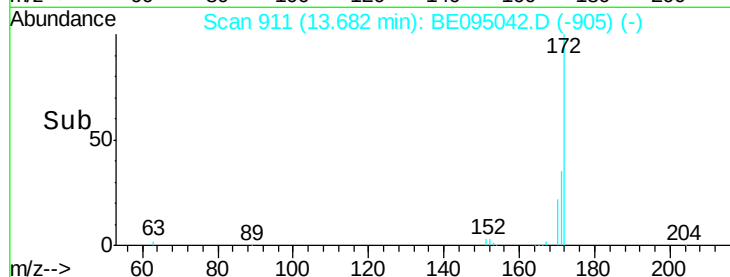
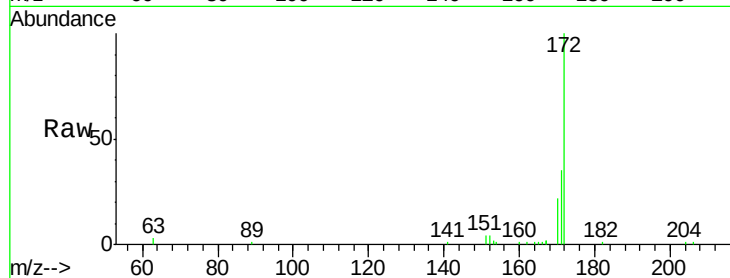
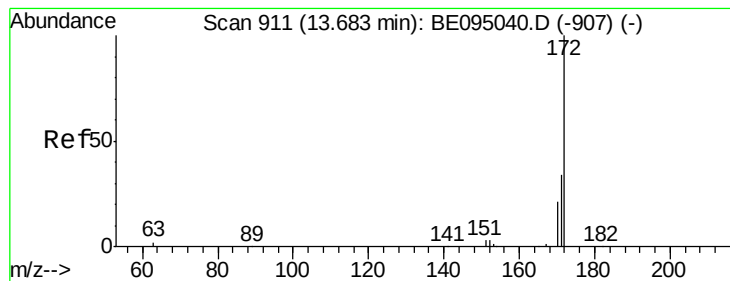
332 95.4 152.7 229.1#

141 53.5 33.7 50.5#



Abundance Ion 330.00 (329.70 to 330.70): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.329 ng

RT: 13.68 min Scan# 911

Delta R.T. -0.02 min

Lab File: BE095042.D

Acq: 22 Dec 2017 12:54

Instrument :

BNA_E

ClientSampleId :

PB105289BSD

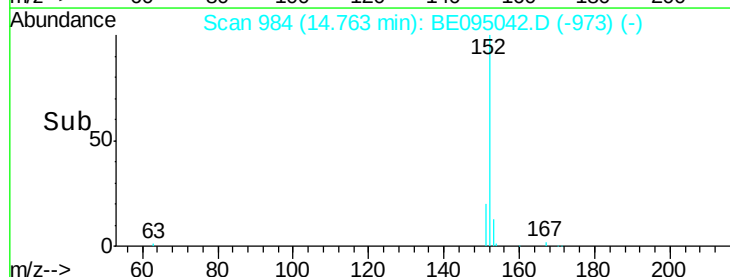
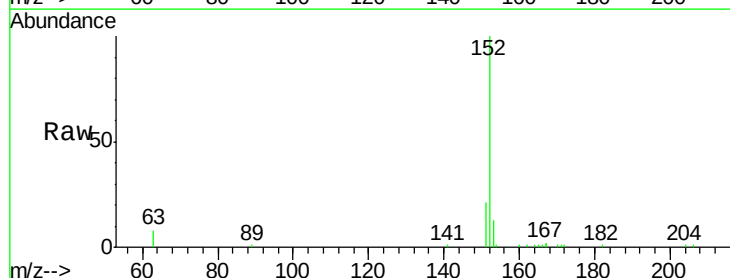
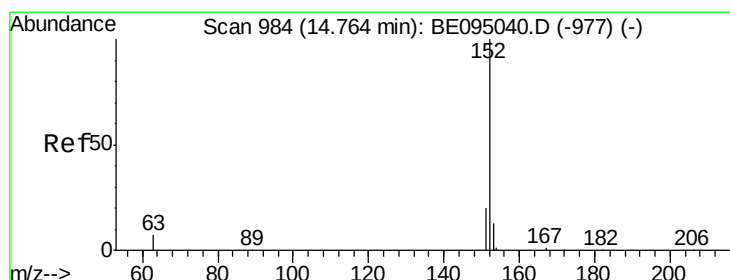
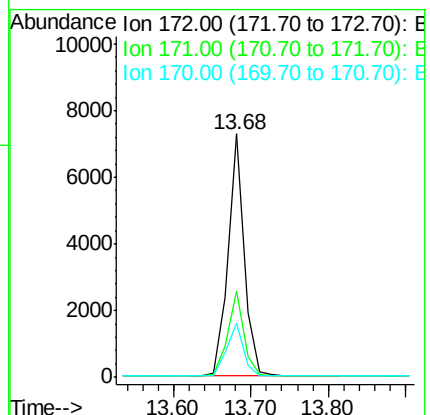
Tot Ion:172 Resp: 10436

Ion Ratio Lower Upper

172 100

171 35.3 29.9 44.9

170 22.0 21.8 32.8



#16

Acenaphthylene

Concen: 0.270 ng

RT: 14.76 min Scan# 984

Delta R.T. -0.03 min

Lab File: BE095042.D

Acq: 22 Dec 2017 12:54

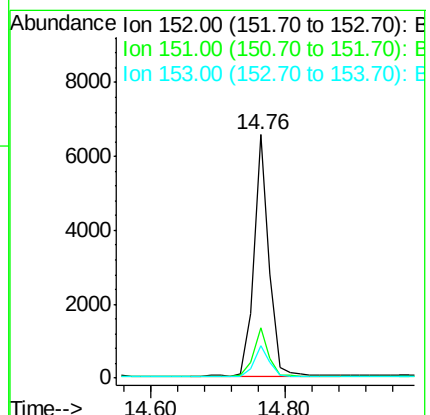
Tgt Ion:152 Resp: 10317

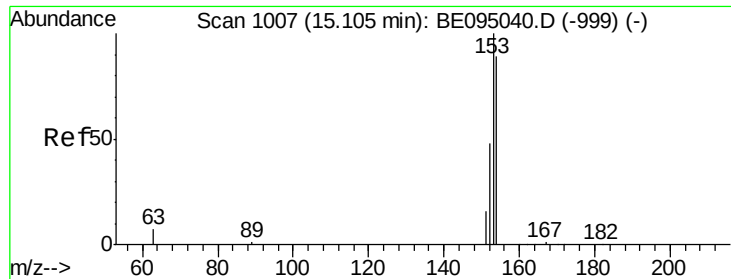
Ion Ratio Lower Upper

152 100

151 19.5 15.7 23.5

153 13.1 10.5 15.7

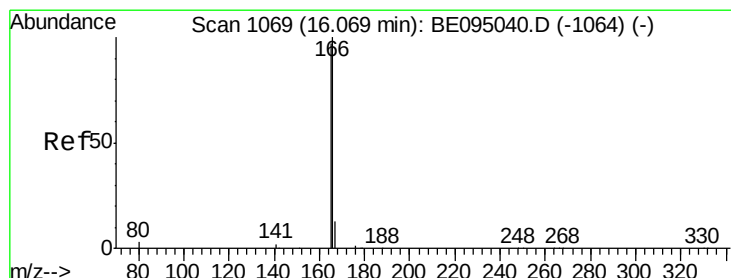
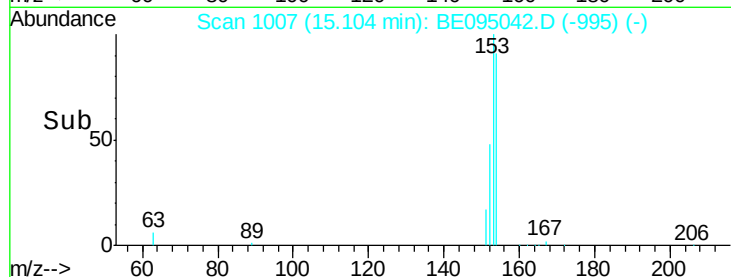
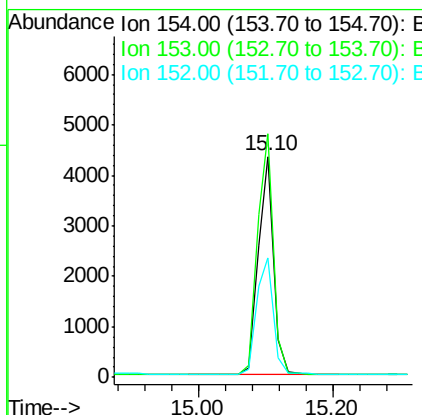
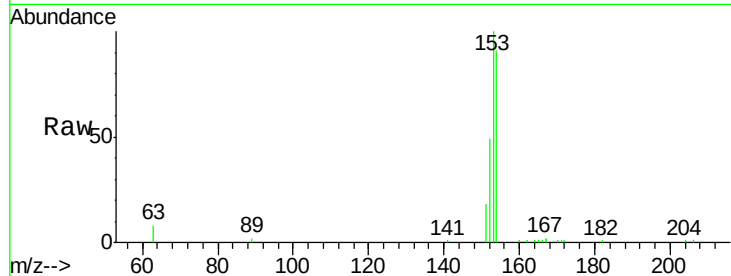




#17
Acenaphthene
Concen: 0.277 ng
RT: 15.10 min Scan# 1007
Delta R.T. -0.02 min
Lab File: BE095042.D
Acq: 22 Dec 2017 12:54

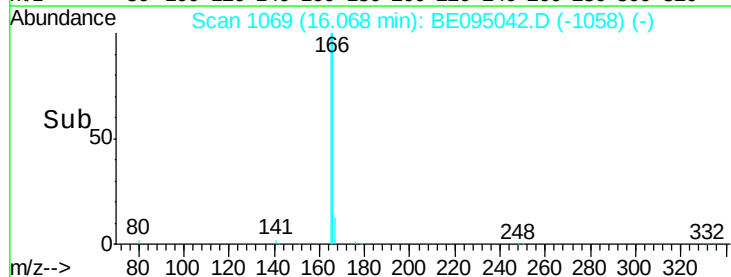
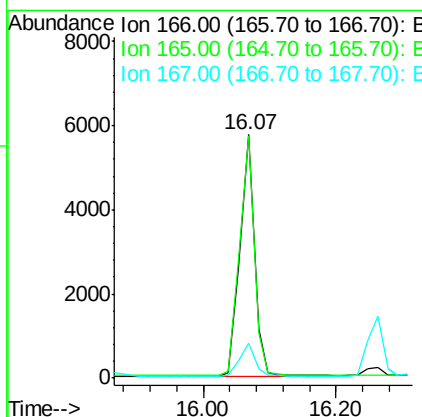
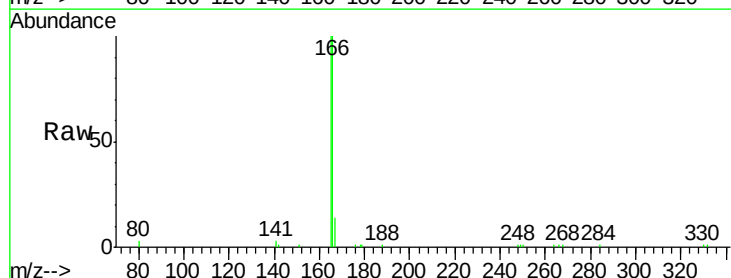
Instrument :
BNA_E
ClientSampleId :
PB105289BSD

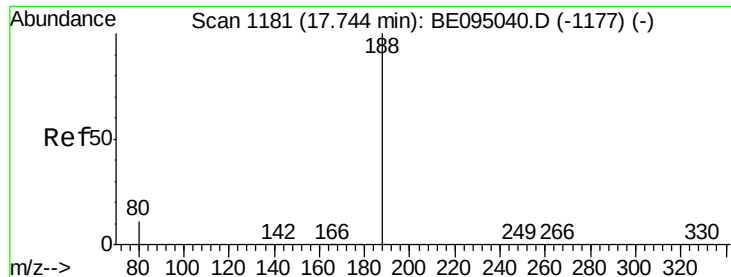
Tot Ion:154 Resp: 7027
Ion Ratio Lower Upper
154 100
153 113.3 89.2 133.8
152 58.4 42.0 63.0



#18
Fluorene
Concen: 0.275 ng
RT: 16.07 min Scan# 1069
Delta R.T. -0.03 min
Lab File: BE095042.D
Acq: 22 Dec 2017 12:54

Tgt Ion:166 Resp: 8683
Ion Ratio Lower Upper
166 100
165 100.4 77.8 116.6
167 13.9 42.4 63.6#





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.74 min Scan# 1181

Delta R.T. -0.03 min

Lab File: BE095042.D

Acq: 22 Dec 2017 12:54

Instrument :

BNA_E

ClientSampleId :

PB105289BSD

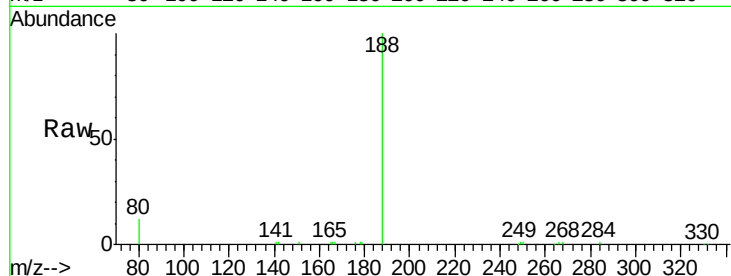
Tot Ion:188 Resp: 15848

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

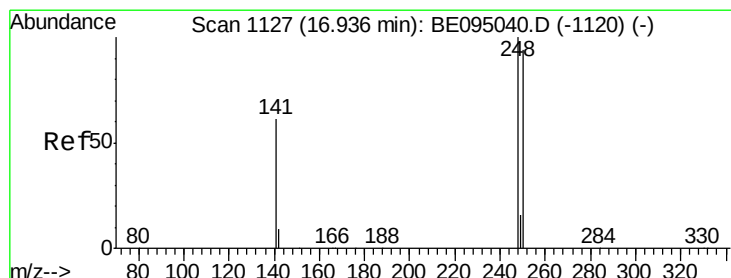
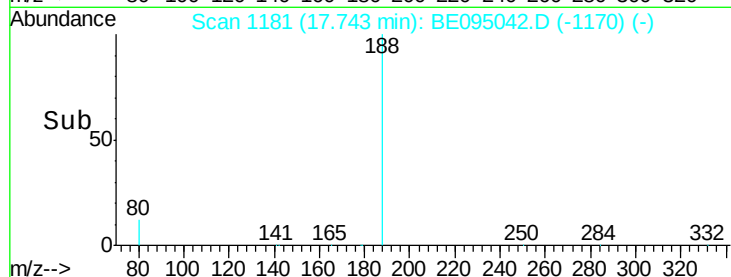
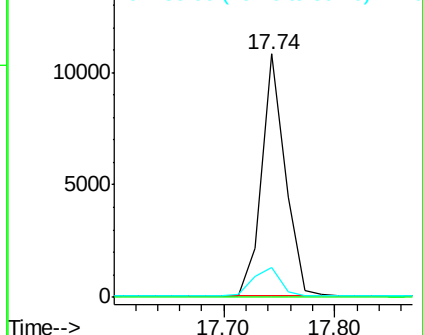
80 12.3 3.6 5.4#



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



#20

4-Bromophenyl-phenylether

Concen: 0.298 ng

RT: 16.94 min Scan# 1127

Delta R.T. -0.03 min

Lab File: BE095042.D

Acq: 22 Dec 2017 12:54

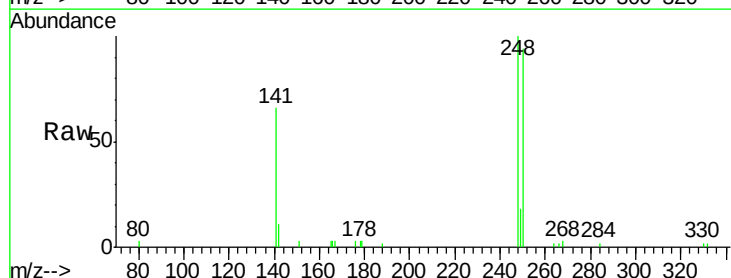
Tgt Ion:248 Resp: 2764

Ion Ratio Lower Upper

248 100

250 94.1 62.7 94.1#

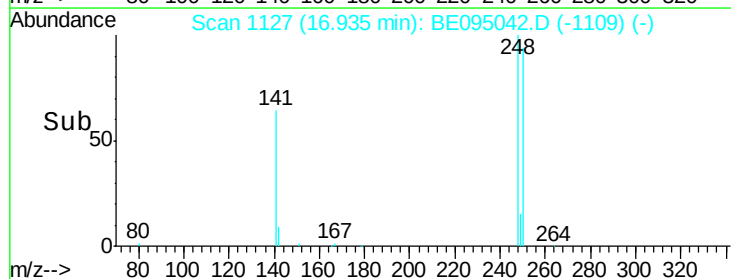
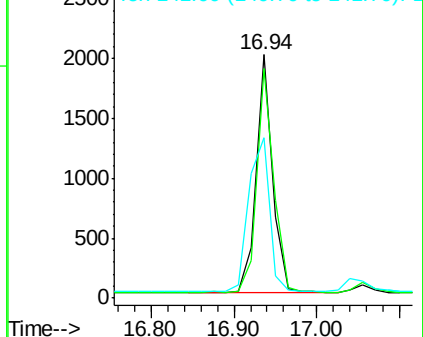
141 65.7 48.2 72.2

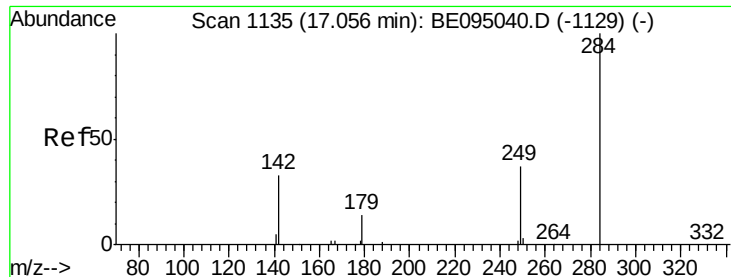


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.297 ng

RT: 17.06 min Scan# 1135

Delta R.T. -0.03 min

Lab File: BE095042.D

Acq: 22 Dec 2017 12:54

Instrument :

BNA_E

ClientSampleId :

PB105289BSD

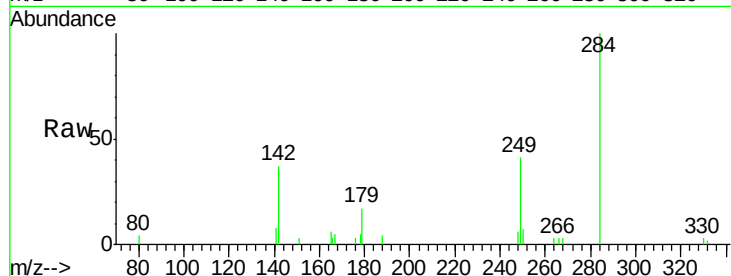
Tot Ion:284 Resp: 2819

Ion Ratio Lower Upper

284 100

142 41.8 22.1 33.1#

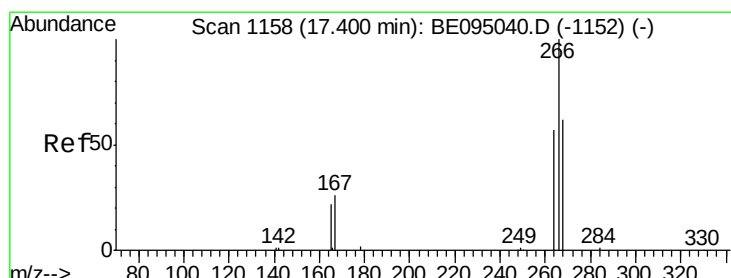
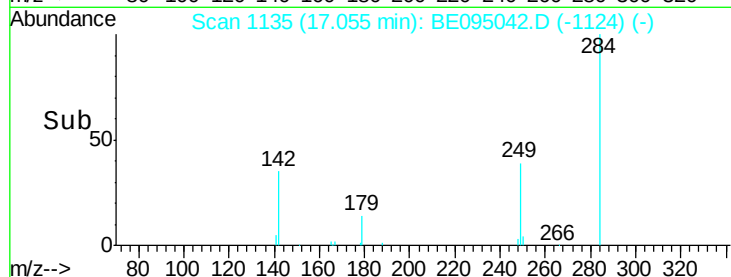
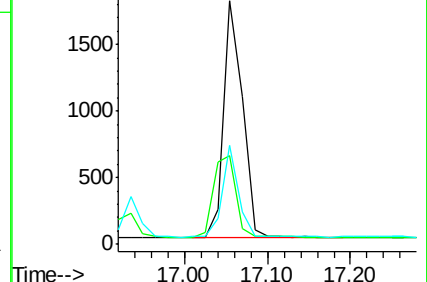
249 33.8 34.8 52.2#



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



#22

Pentachlorophenol

Concen: 0.541 ng

RT: 17.40 min Scan# 1158

Delta R.T. -0.02 min

Lab File: BE095042.D

Acq: 22 Dec 2017 12:54

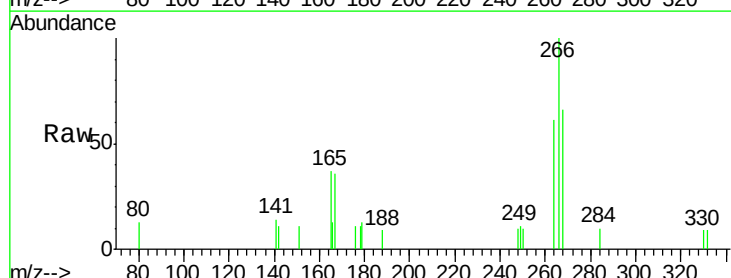
Tgt Ion:266 Resp: 1083

Ion Ratio Lower Upper

266 100

264 61.4 72.5 108.7#

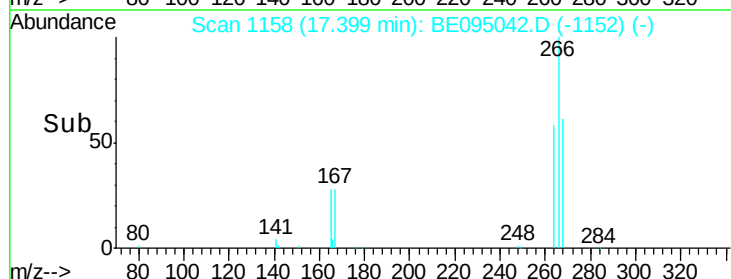
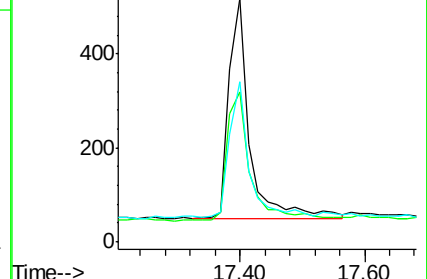
268 66.0 73.8 110.6#

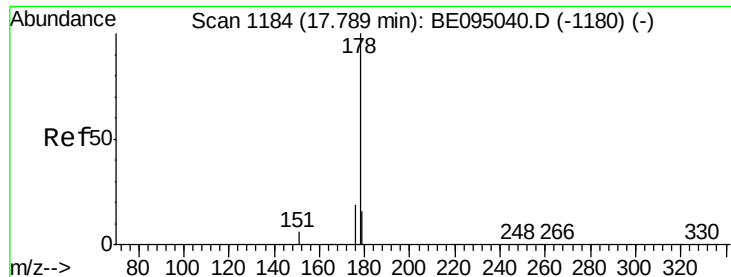


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.292 ng

RT: 17.79 min Scan# 1184

Delta R.T. -0.03 min

Lab File: BE095042.D

Acq: 22 Dec 2017 12:54

Instrument :

BNA_E

ClientSampleId :

PB105289BSD

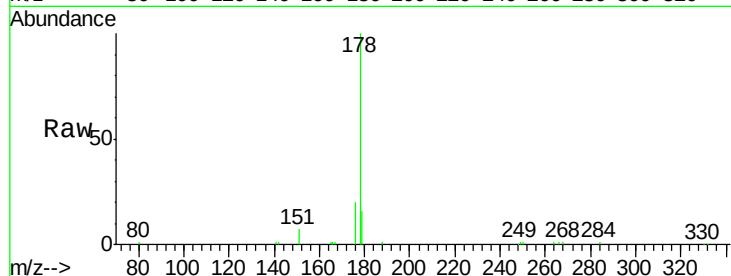
Tot Ion:178 Resp: 14441

Ion Ratio Lower Upper

178 100

176 20.3 15.1 22.7

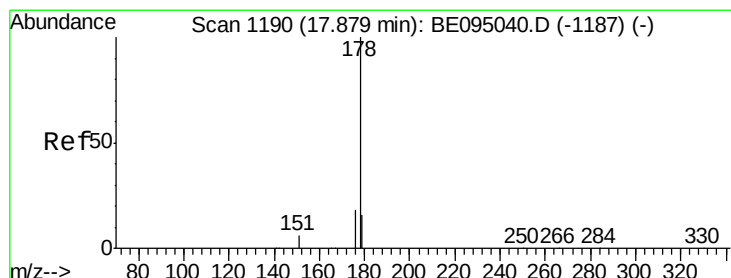
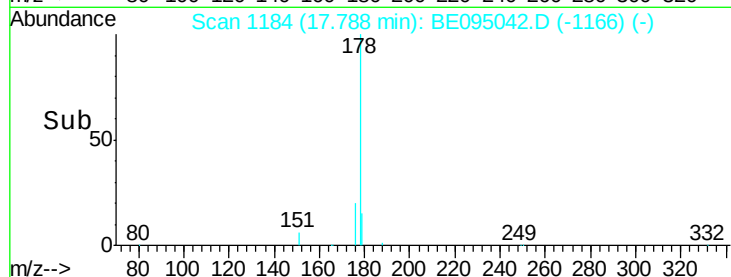
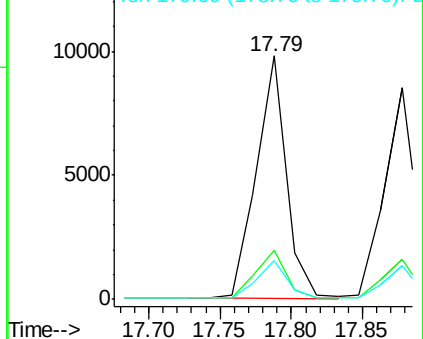
179 15.7 11.8 17.6



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



#24

Anthracene

Concen: 0.296 ng

RT: 17.88 min Scan# 1190

Delta R.T. -0.03 min

Lab File: BE095042.D

Acq: 22 Dec 2017 12:54

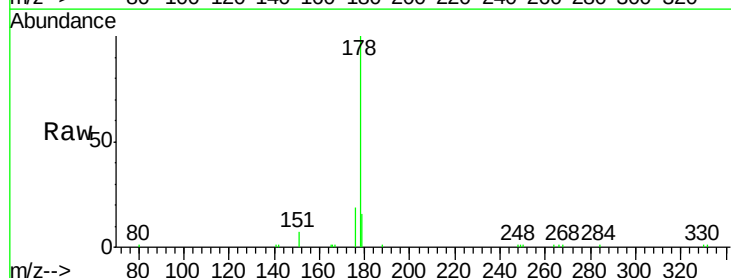
Tgt Ion:178 Resp: 14985

Ion Ratio Lower Upper

178 100

176 22.1 12.8 19.2#

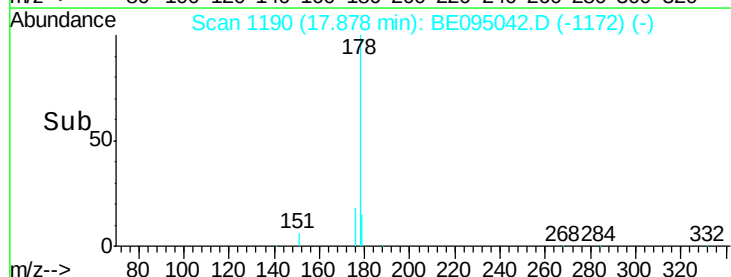
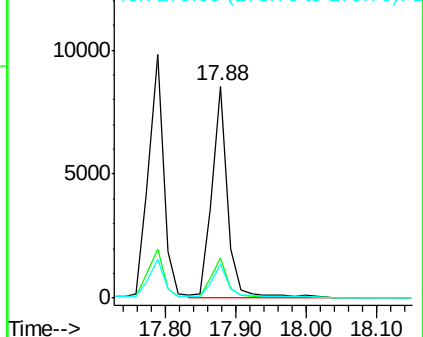
179 19.6 13.0 19.6#

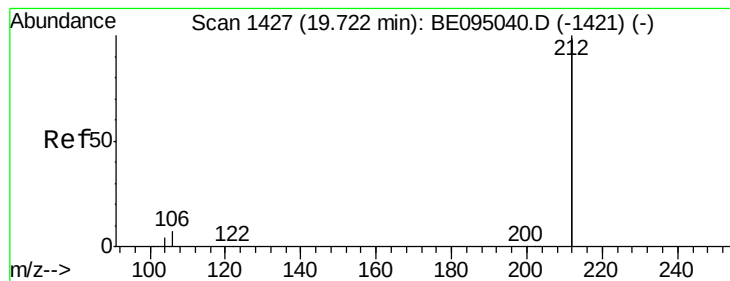


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.294 ng

RT: 19.72 min Scan# 1427

Delta R.T. -0.03 min

Lab File: BE095042.D

Acq: 22 Dec 2017 12:54

Instrument :

BNA_E

ClientSampleId :

PB105289BSD

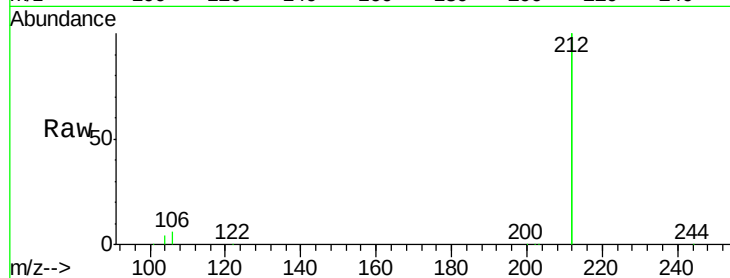
Tot Ion:212 Resp: 60383

Ion Ratio Lower Upper

212 100

106 3.2 2.8 4.2

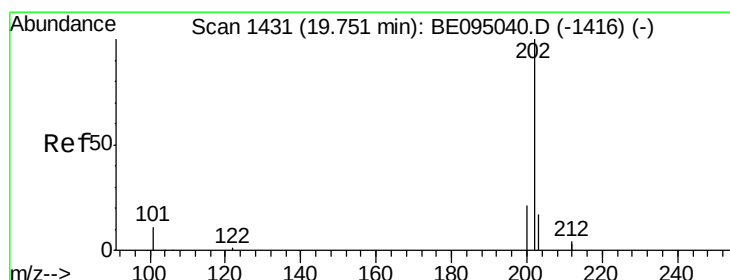
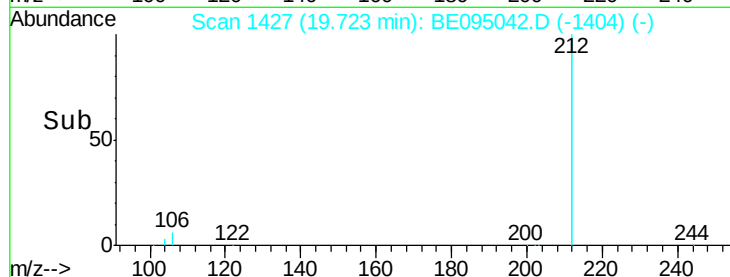
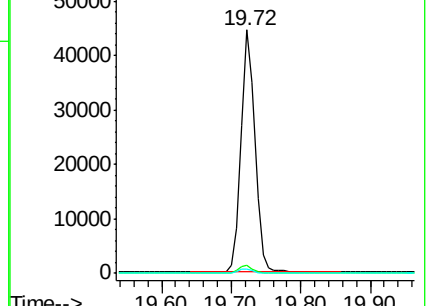
104 1.9 1.6 2.4



Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 0.293 ng

RT: 19.75 min Scan# 1431

Delta R.T. -0.03 min

Lab File: BE095042.D

Acq: 22 Dec 2017 12:54

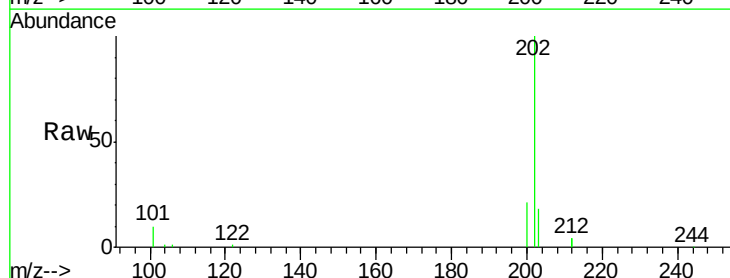
Tgt Ion:202 Resp: 17877

Ion Ratio Lower Upper

202 100

101 11.0 9.8 14.8

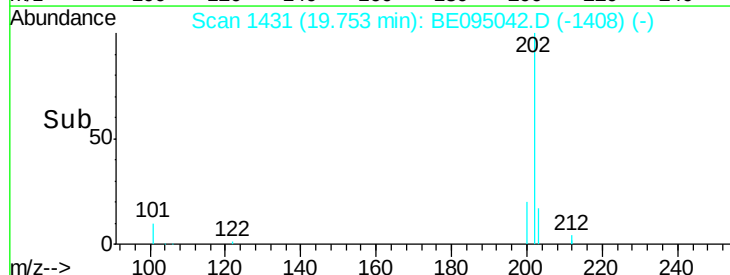
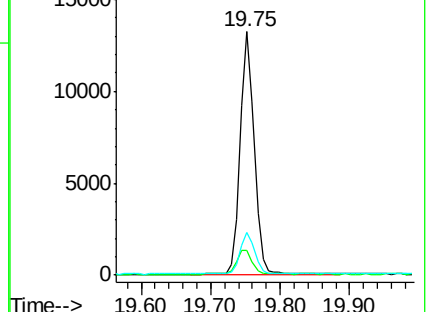
203 17.3 13.7 20.5

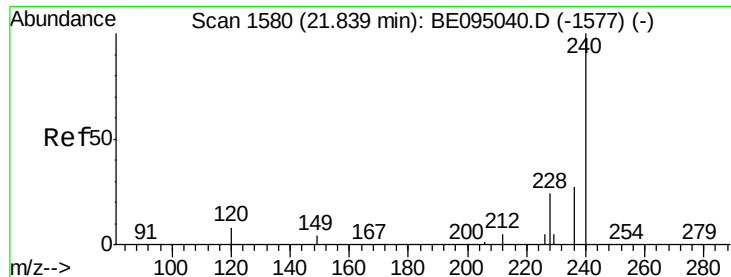


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.84 min Scan# 1580

Delta R.T. -0.03 min

Lab File: BE095042.D

Acq: 22 Dec 2017 12:54

Instrument :

BNA_E

ClientSampleId :

PB105289BSD

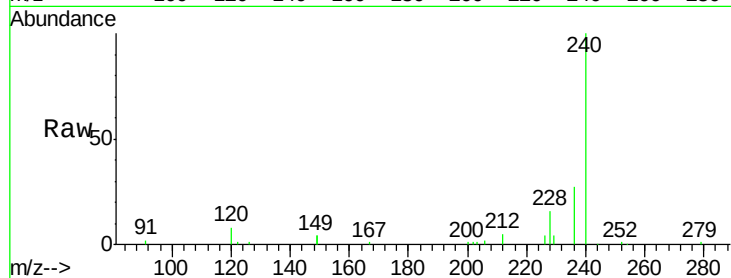
Tot Ion:240 Resp: 17530

Ion Ratio Lower Upper

240 100

120 7.9 5.5 8.3

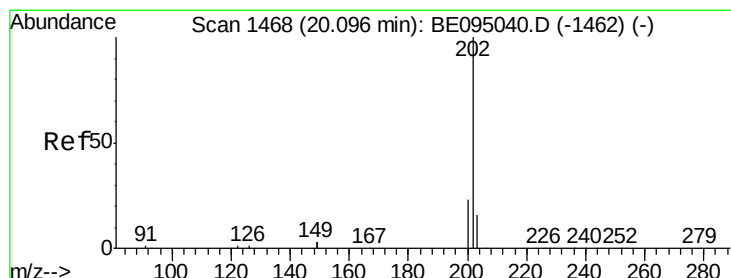
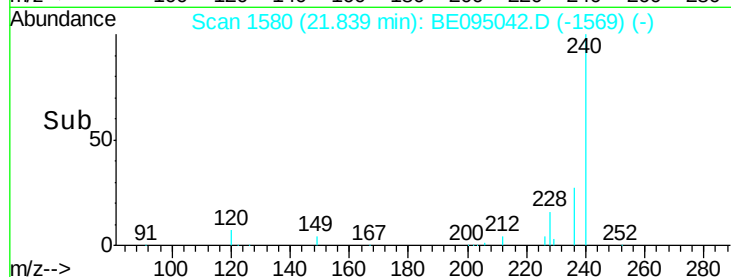
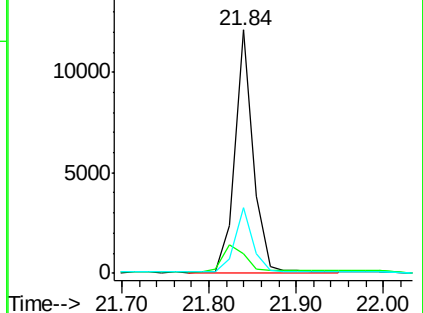
236 27.0 20.7 31.1



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



#28

Pyrene

Concen: 0.341 ng

RT: 20.10 min Scan# 1468

Delta R.T. -0.03 min

Lab File: BE095042.D

Acq: 22 Dec 2017 12:54

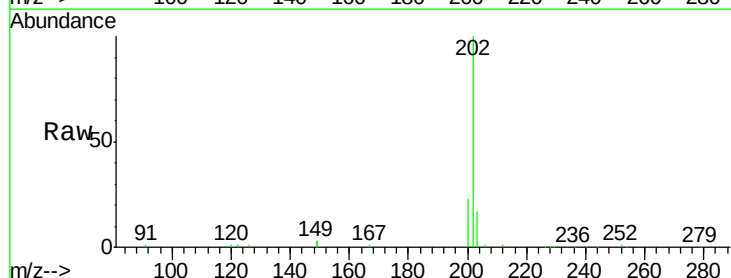
Tgt Ion:202 Resp: 20258

Ion Ratio Lower Upper

202 100

200 22.4 16.6 25.0

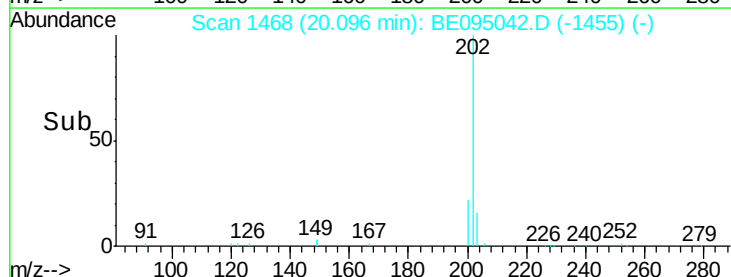
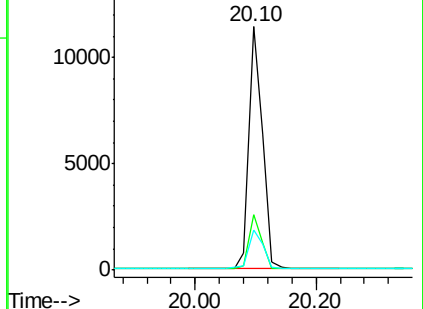
203 17.9 13.8 20.8

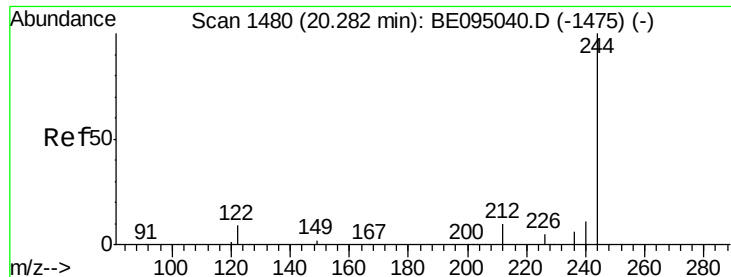


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.368 ng

RT: 20.28 min Scan# 1480

Delta R.T. -0.03 min

Lab File: BE095042.D

Acq: 22 Dec 2017 12:54

Instrument :

BNA_E

ClientSampleId :

PB105289BSD

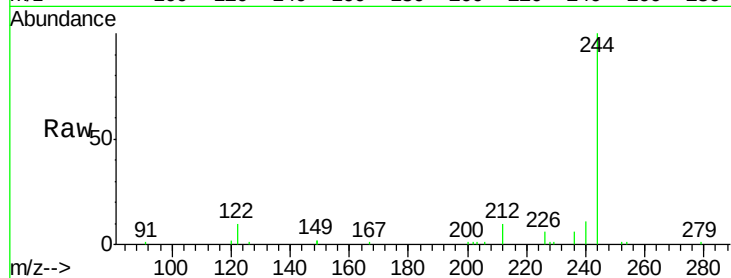
Tot Ion:244 Resp: 12153

Ion Ratio Lower Upper

244 100

212 9.6 25.4 38.0#

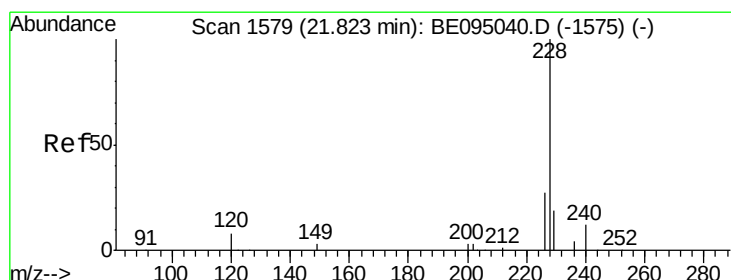
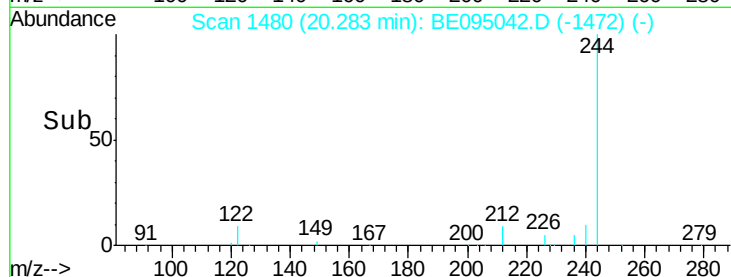
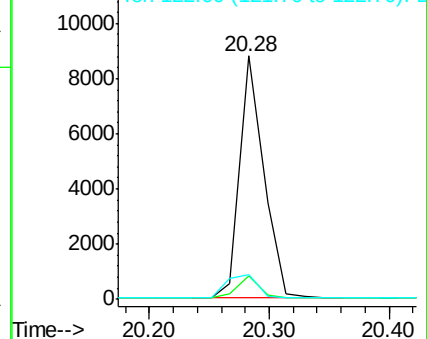
122 9.9 8.1 12.1



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



#30

Benzo(a)anthracene

Concen: 0.325 ng

RT: 21.82 min Scan# 1579

Delta R.T. -0.03 min

Lab File: BE095042.D

Acq: 22 Dec 2017 12:54

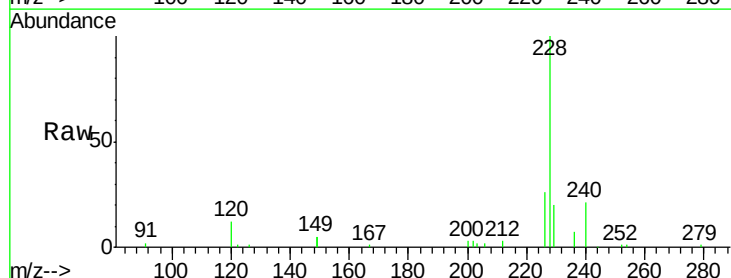
Tgt Ion:228 Resp: 16643

Ion Ratio Lower Upper

228 100

226 26.2 40.0 60.0#

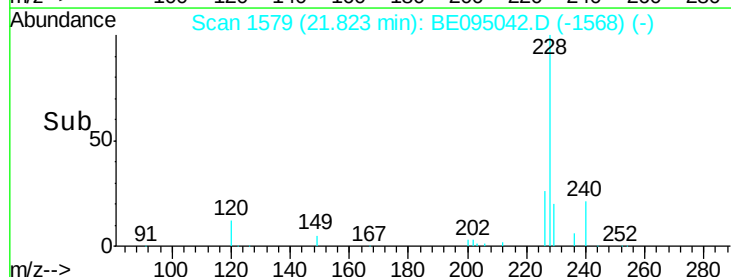
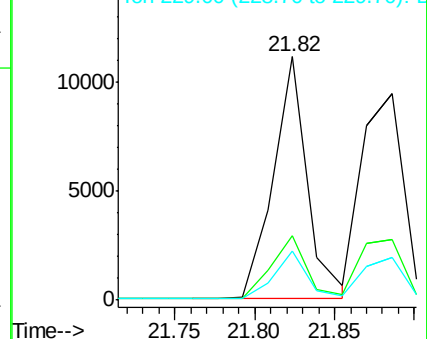
229 20.3 40.0 60.0#

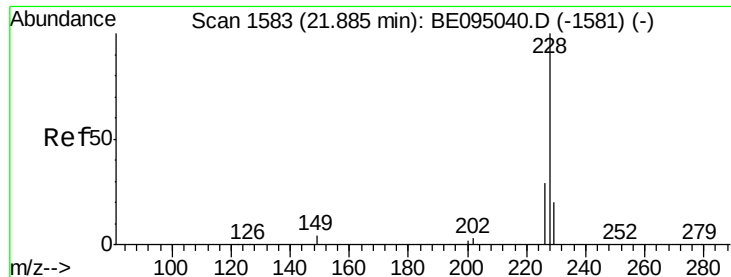


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.333 ng

RT: 21.89 min Scan# 1583

Delta R.T. -0.03 min

Lab File: BE095042.D

Acq: 22 Dec 2017 12:54

Instrument :

BNA_E

ClientSampleId :

PB105289BSD

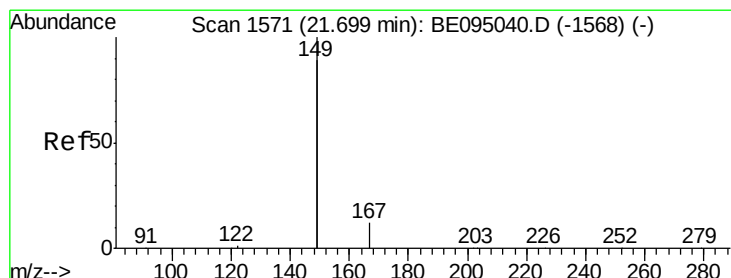
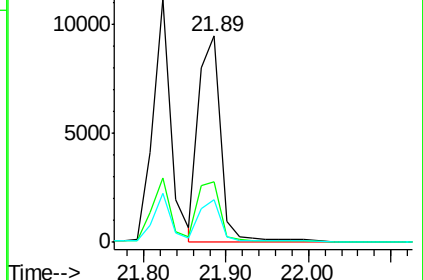
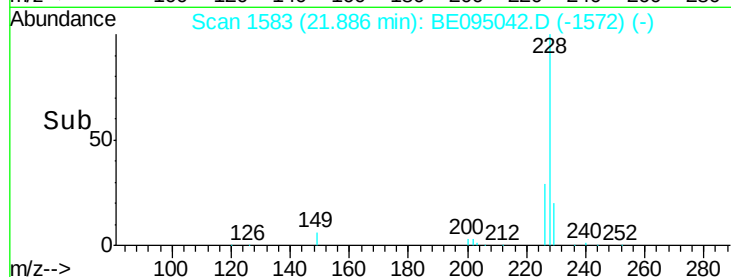
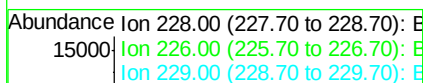
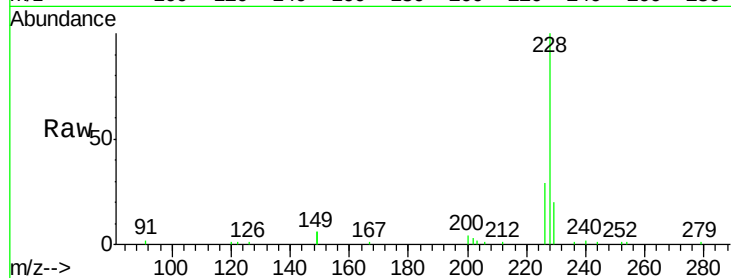
Tot Ion:228 Resp: 19177

Ion Ratio Lower Upper

228 100

226 29.1 40.0 60.0#

229 20.5 40.0 60.0#



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.272 ng

RT: 21.70 min Scan# 1571

Delta R.T. -0.05 min

Lab File: BE095042.D

Acq: 22 Dec 2017 12:54

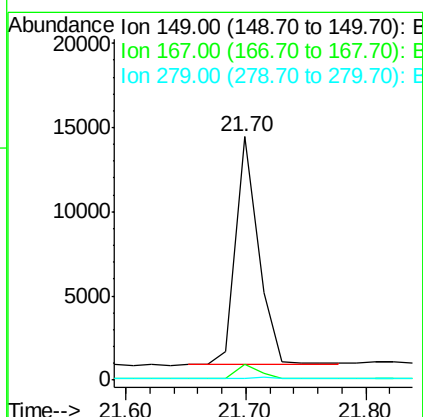
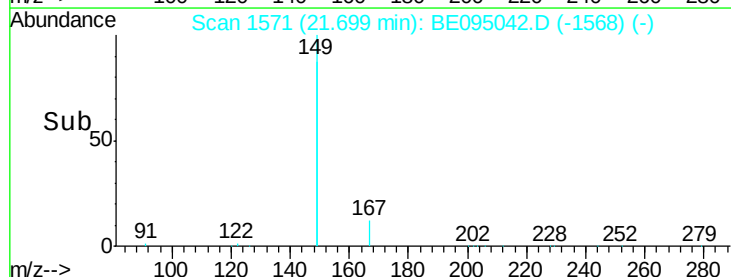
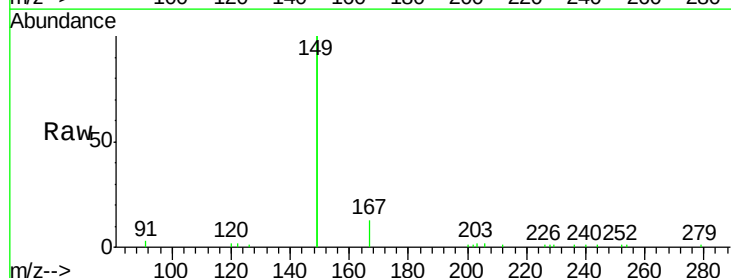
Tgt Ion:149 Resp: 17724

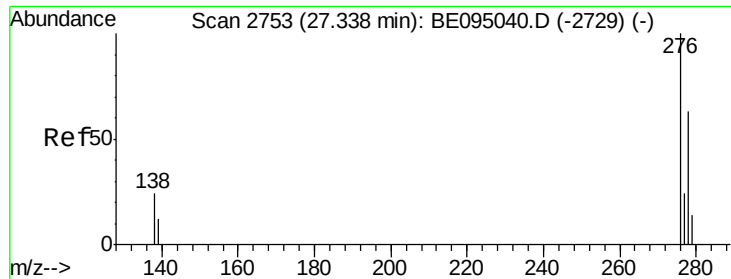
Ion Ratio Lower Upper

149 100

167 6.8 5.4 8.0

279 0.9 0.7 1.1

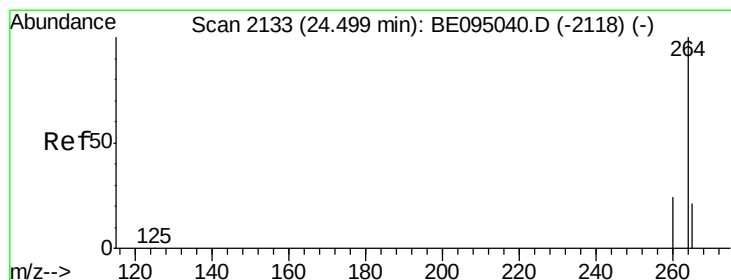
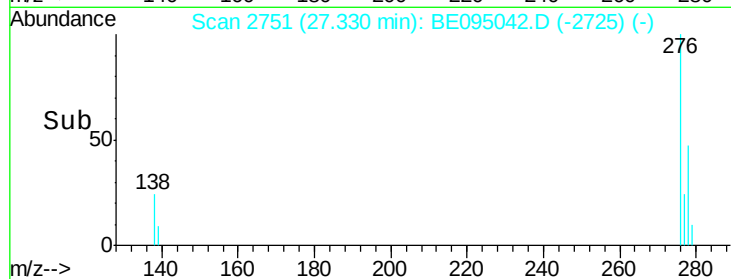
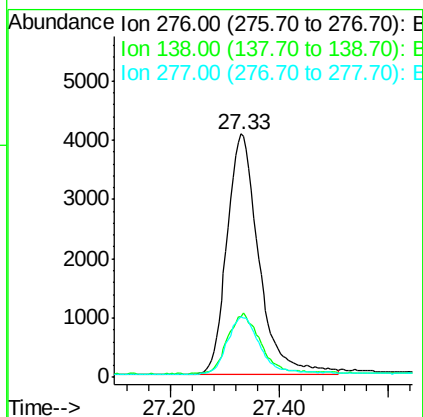
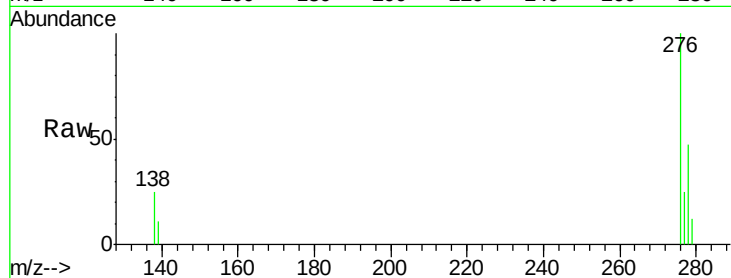




#33
Indeno(1,2,3-cd)pyrene
Concen: 0.350 ng
RT: 27.33 min Scan# 2751
Delta R.T. -0.08 min
Lab File: BE095042.D
Acq: 22 Dec 2017 12:54

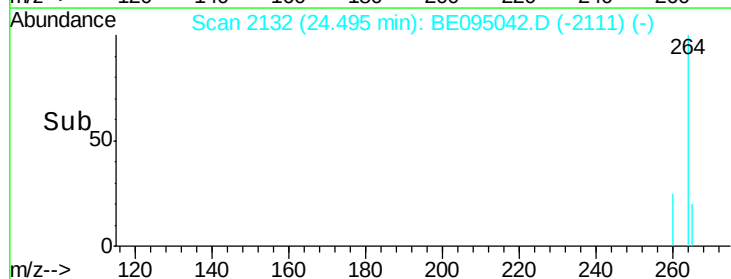
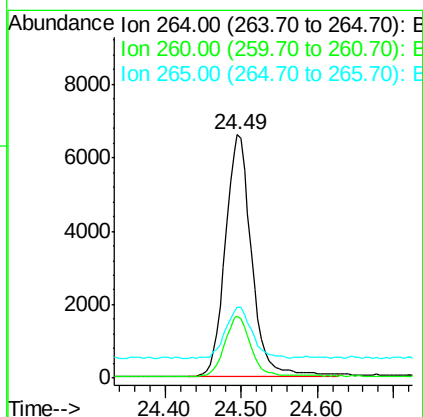
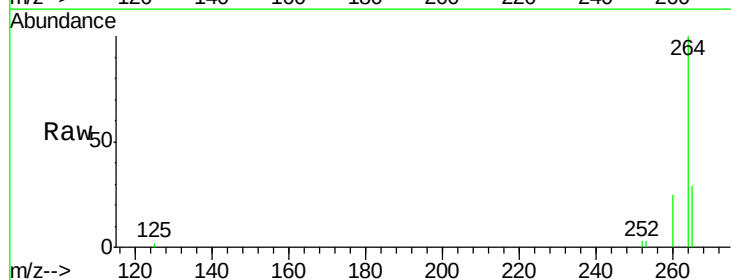
Instrument :
BNA_E
ClientSampleId :
PB105289BSD

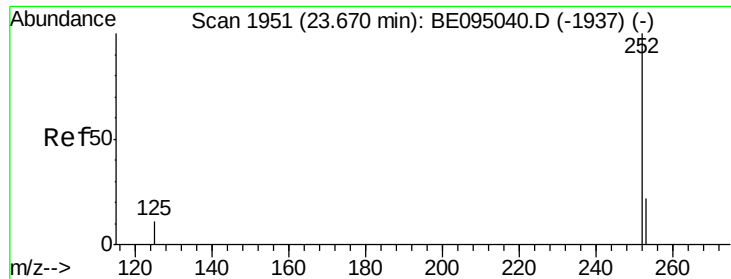
Tot Ion:276 Resp: 16427
Ion Ratio Lower Upper
276 100
138 26.1 22.5 33.7
277 23.9 19.9 29.9



#34
Perylene-d12
Concen: 0.400 ng
RT: 24.49 min Scan# 2132
Delta R.T. -0.05 min
Lab File: BE095042.D
Acq: 22 Dec 2017 12:54

Tgt Ion:264 Resp: 15741
Ion Ratio Lower Upper
264 100
260 25.5 20.5 30.7
265 28.9 22.8 34.2





#35

Benzo(b)fluoranthene

Concen: 0.293 ng

RT: 23.67 min Scan# 1951

Delta R.T. -0.05 min

Lab File: BE095042.D

Acq: 22 Dec 2017 12:54

Instrument :

BNA_E

ClientSampleId :

PB105289BSD

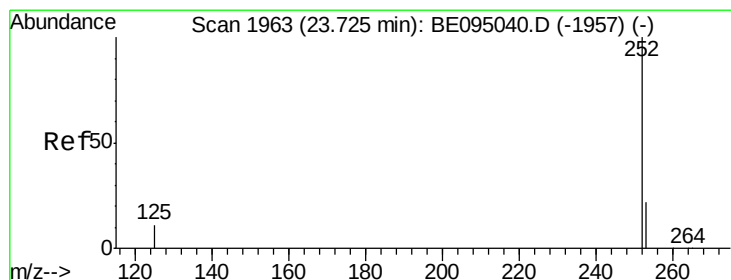
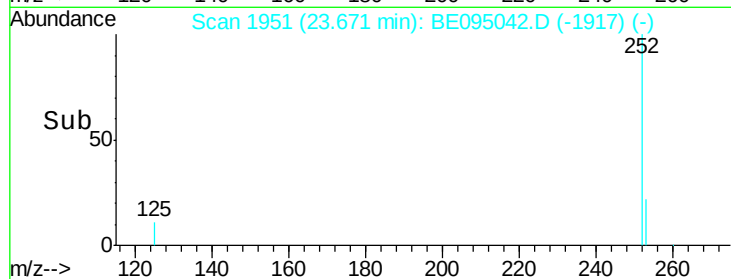
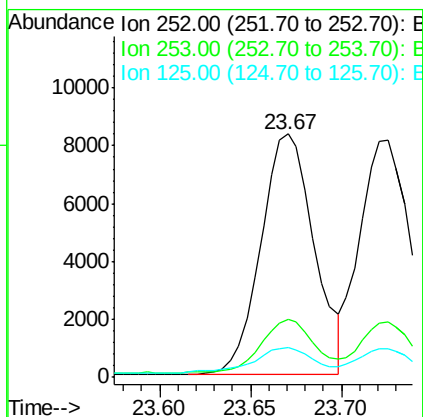
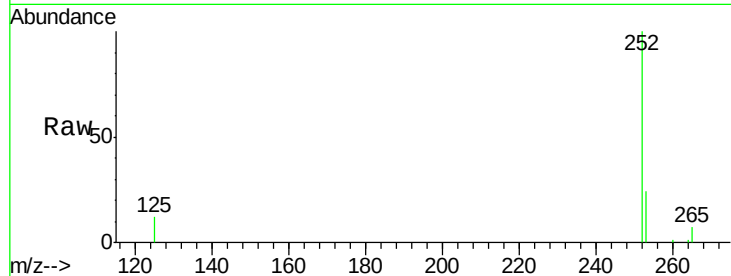
Tot Ion:252 Resp: 16916

Ion Ratio Lower Upper

252 100

253 23.6 20.0 30.0

125 12.3 16.0 24.0#



#36

Benzo(k)fluoranthene

Concen: 0.280 ng

RT: 23.73 min Scan# 1963

Delta R.T. -0.05 min

Lab File: BE095042.D

Acq: 22 Dec 2017 12:54

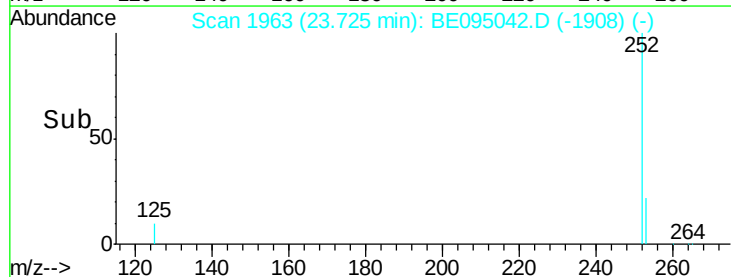
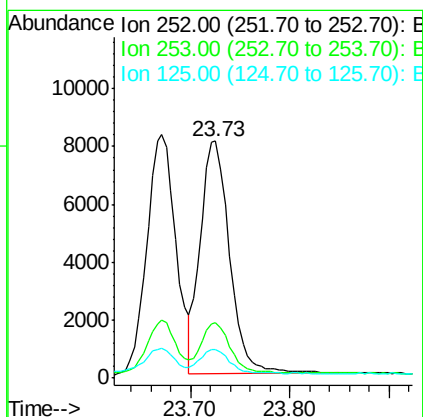
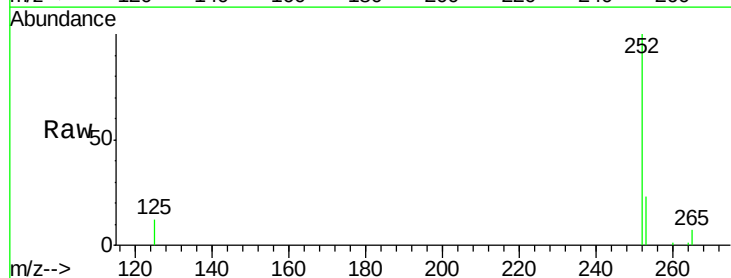
Tgt Ion:252 Resp: 16388

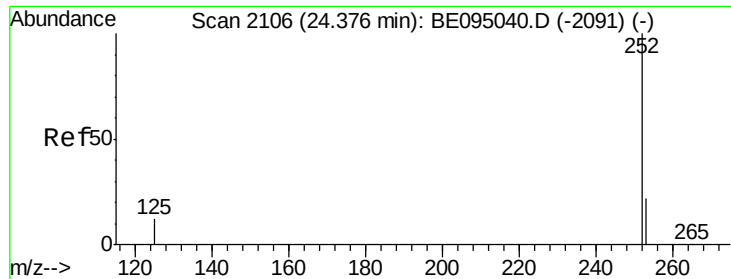
Ion Ratio Lower Upper

252 100

253 23.3 16.0 24.0

125 11.9 8.0 12.0





#37

Benzo(a)pyrene

Concen: 0.303 ng

RT: 24.37 min Scan# 2105

Delta R.T. -0.05 min

Lab File: BE095042.D

Acq: 22 Dec 2017 12:54

Instrument :

BNA_E

ClientSampleId :

PB105289BSD

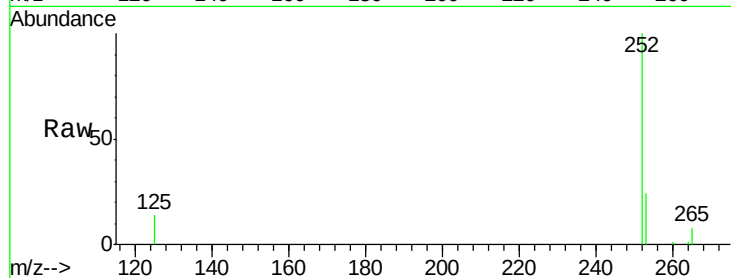
Tot Ion:252 Resp: 15541

Ion Ratio Lower Upper

252 100

253 24.0 16.0 24.0

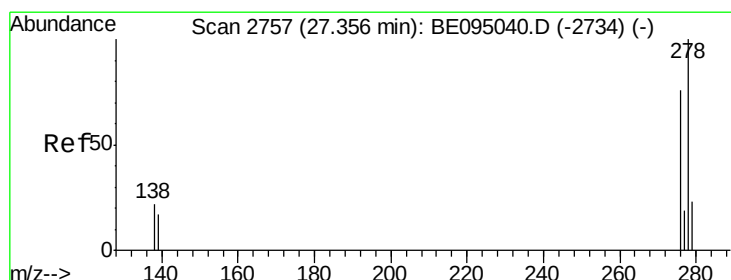
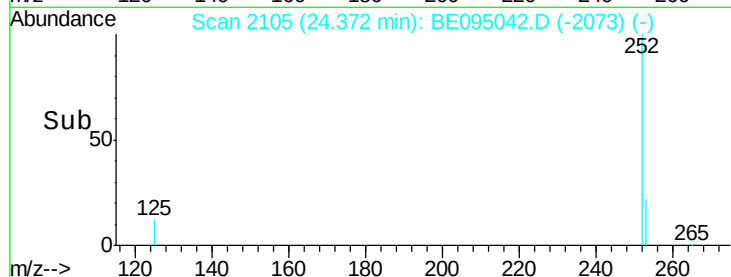
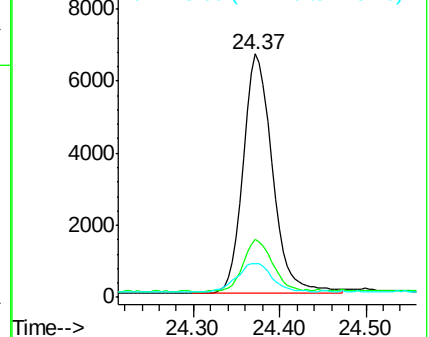
125 14.0 12.0 18.0



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



#38

Dibenzo(a,h)anthracene

Concen: 0.271 ng

RT: 27.35 min Scan# 2756

Delta R.T. -0.08 min

Lab File: BE095042.D

Acq: 22 Dec 2017 12:54

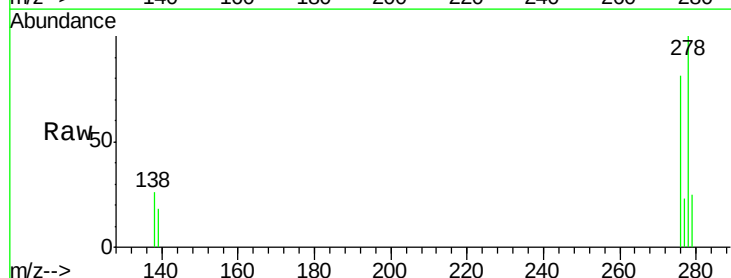
Tgt Ion:278 Resp: 12909

Ion Ratio Lower Upper

278 100

139 18.3 16.0 24.0

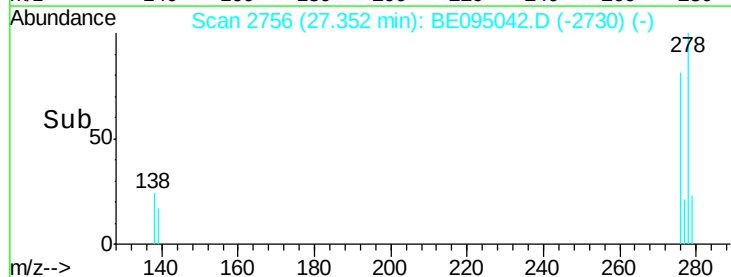
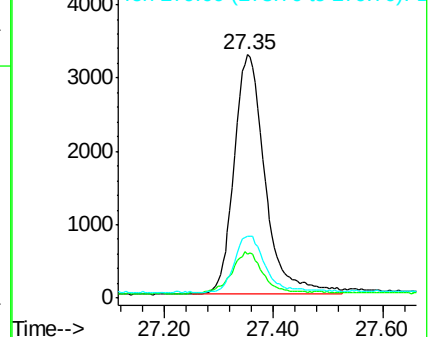
279 25.5 20.0 30.0

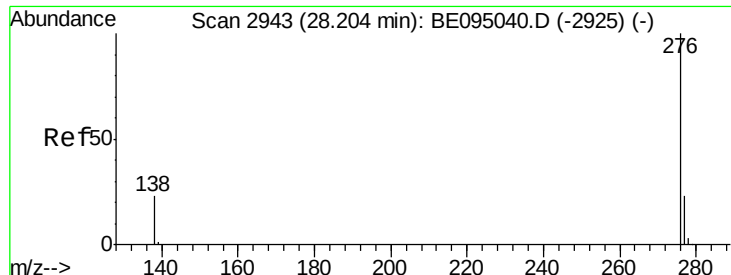


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 0.302 ng

RT: 28.21 min Scan# 2944

Delta R.T. -0.09 min

Lab File: BE095042.D

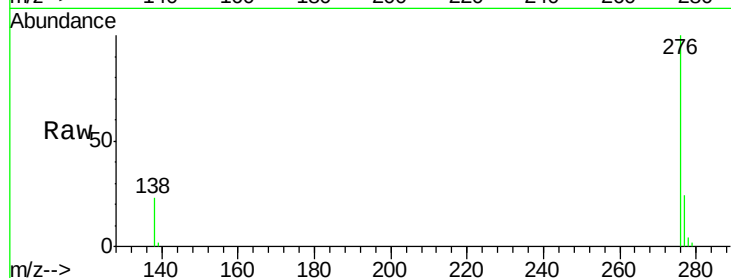
Acq: 22 Dec 2017 12:54

Instrument :

BNA_E

ClientSampleId :

PB105289BSD



Tot Ion: 276 Resp: 14307

Ion Ratio Lower Upper

276 100

277 23.8 16.0 24.0

138 23.4 20.0 30.0

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

