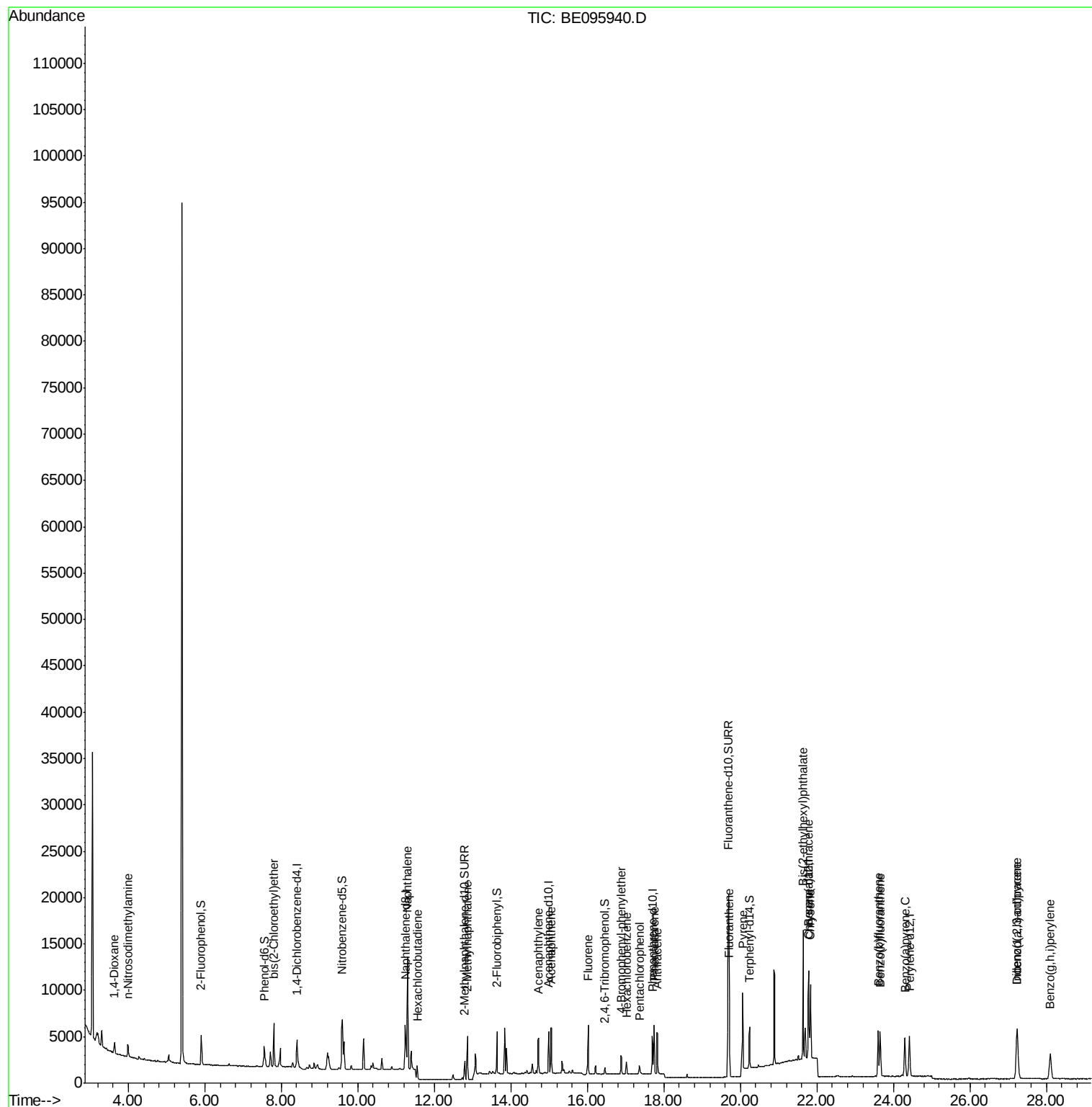
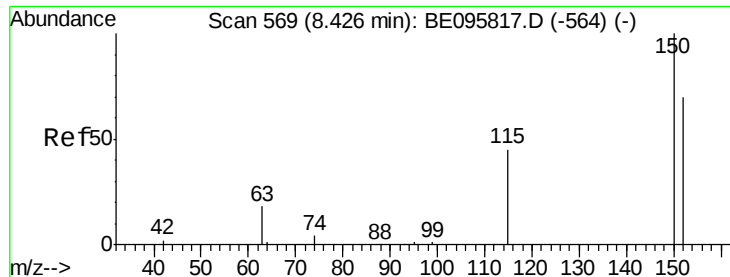


Data Path : Z:\HPCHEM1\BNA E\DATA\BE040418\
Data File : BE095940.D
Acq On : 4 Apr 2018 10:51
Operator : SJ/JU
Sample : PB107954BS
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PB107954BS

Quant Time: Apr 05 02:46:39 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE032318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 23 12:41:11 2018
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 8.41 min Scan# 567

Delta R.T. -0.02 min

Lab File: BE095940.D

Acq: 4 Apr 2018 10:51

Instrument :

BNA_E

ClientSampleId :

PB107954BS

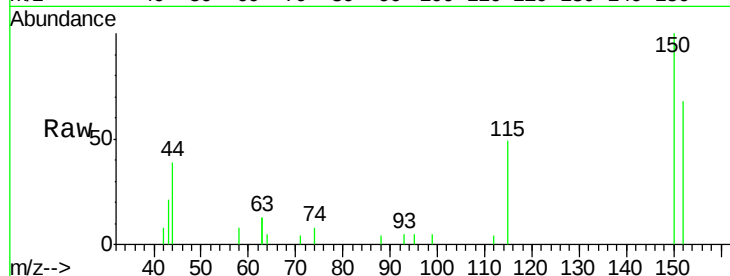
Tot Ion:152 Resp: 1418

Ion Ratio Lower Upper

152 100

150 146.4 117.2 175.8

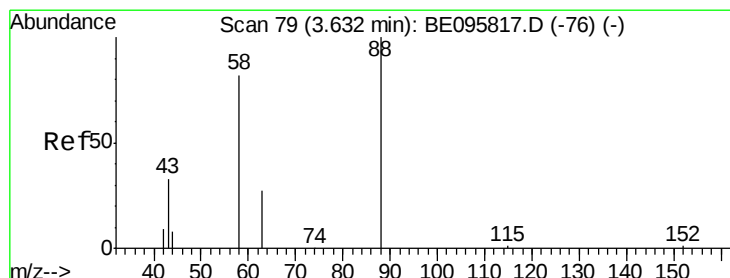
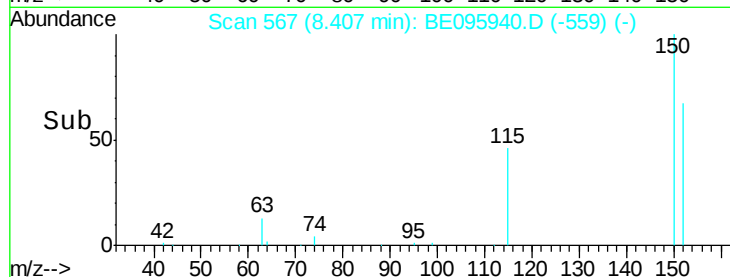
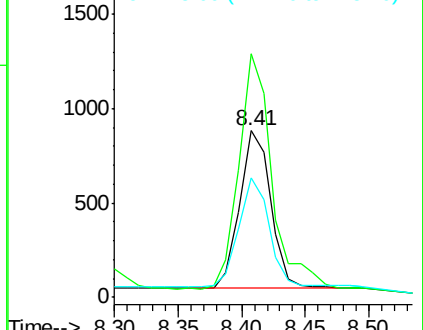
115 71.4 57.0 85.6



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: 0.305 ng

RT: 3.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: BE095940.D

Acq: 4 Apr 2018 10:51

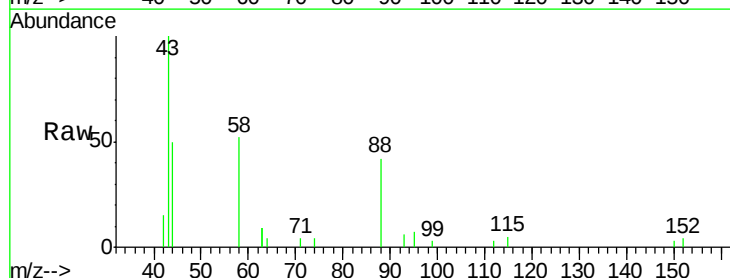
Tgt Ion: 88 Resp: 707

Ion Ratio Lower Upper

88 100

58 95.9 63.2 94.8#

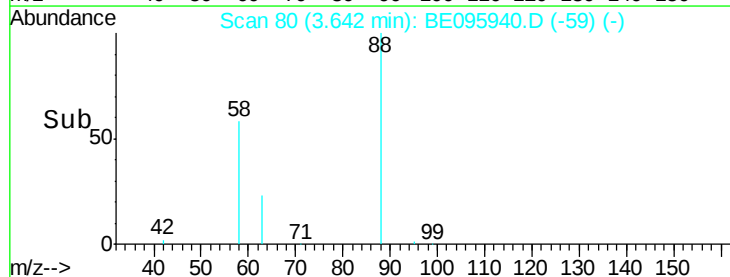
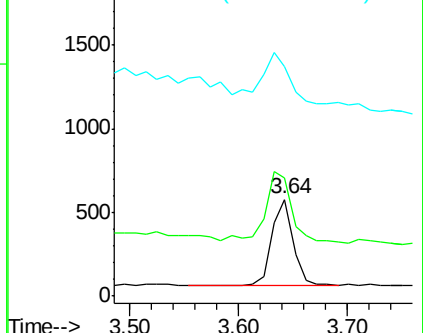
43 65.8 41.2 61.8#

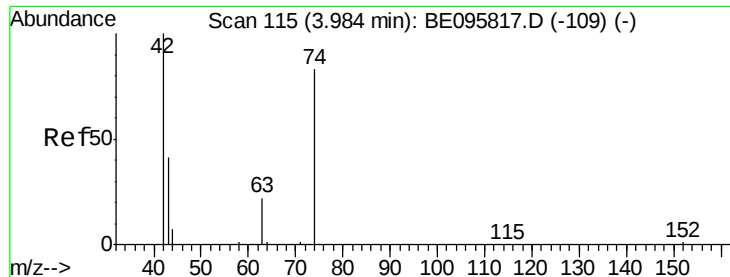


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0



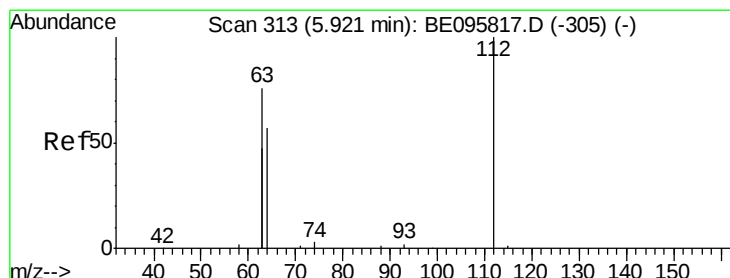
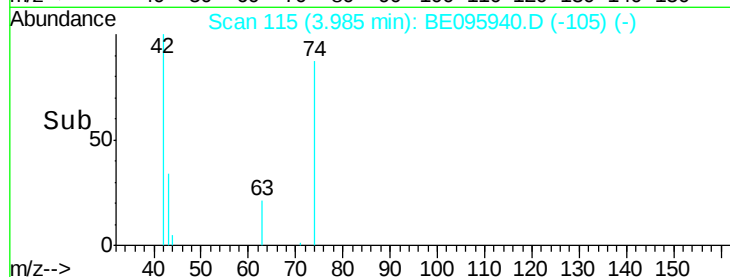
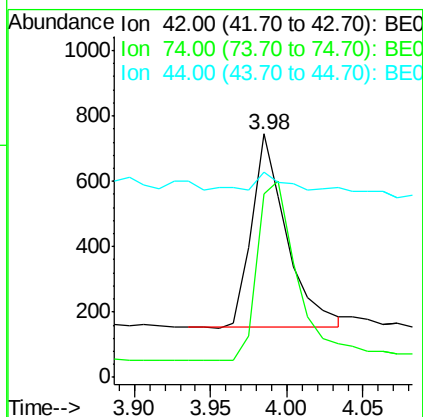
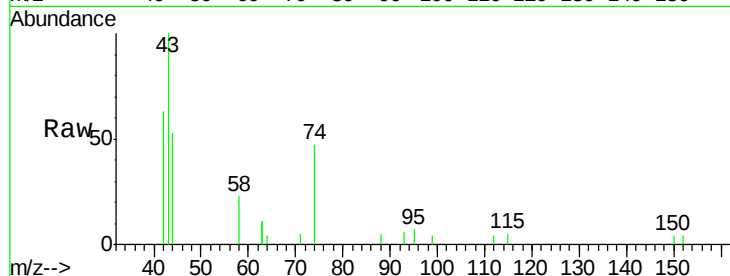


#3

n-Nitrosodimethylamine
 Concen: 0.277 ng
 RT: 3.98 min Scan# 115
 Delta R.T. 0.00 min
 Lab File: BE095940.D
 Acq: 4 Apr 2018 10:51

Instrument :
 BNA_E
 ClientSampleId :
 PB107954BS

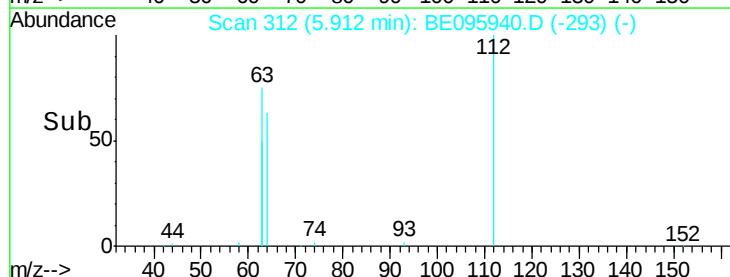
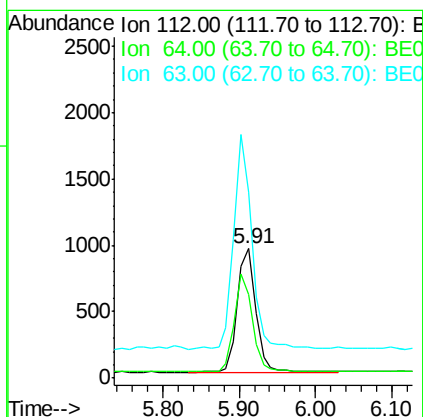
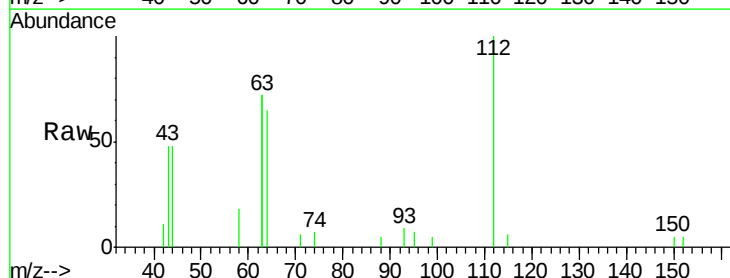
Tot Ion: 42 Resp: 944
 Ion Ratio Lower Upper
 42 100
 74 104.1 96.0 144.0
 44 4.8 12.0 18.0#

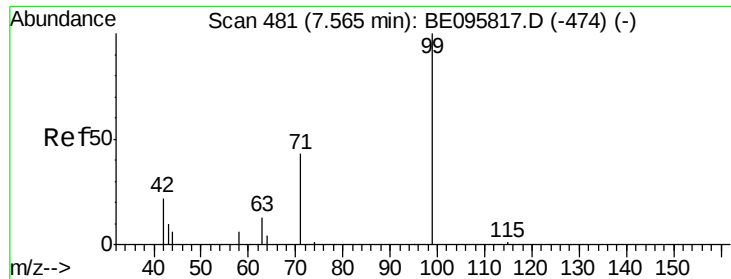


#4

2-Fluorophenol
 Concen: 0.336 ng
 RT: 5.91 min Scan# 312
 Delta R.T. -0.01 min
 Lab File: BE095940.D
 Acq: 4 Apr 2018 10:51

Tgt Ion: 112 Resp: 1569
 Ion Ratio Lower Upper
 112 100
 64 77.0 60.1 90.1
 63 167.6 116.8 175.2





#5

Phenol-d6

Concen: 0.327 ng

RT: 7.56 min Scan# 480

Delta R.T. -0.01 min

Lab File: BE095940.D

Acq: 4 Apr 2018 10:51

Instrument :

BNA_E

ClientSampleId :

PB107954BS

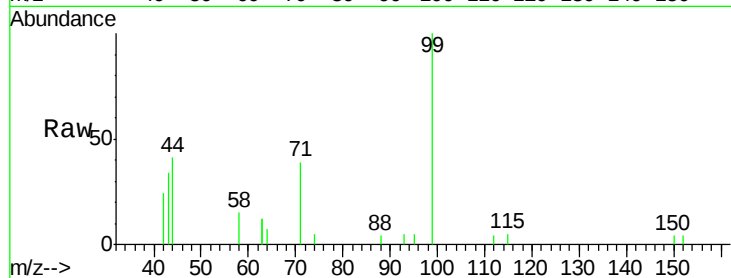
Tot Ion: 99 Resp: 2102

Ion Ratio Lower Upper

99 100

42 27.2 20.2 30.2

71 40.7 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

1500

1000

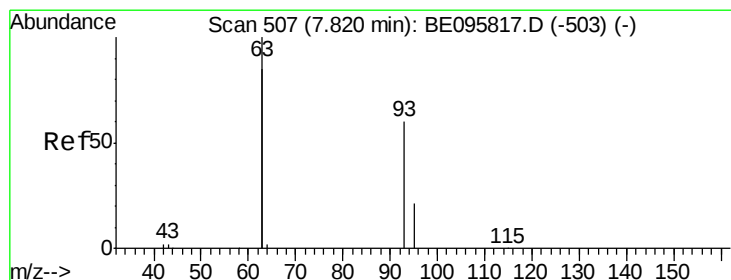
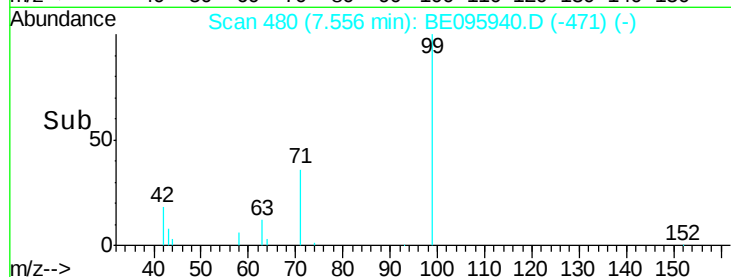
500

0

7.56

Time-->

7.45 7.50 7.55 7.60 7.65



#6

bis(2-Chloroethyl)ether

Concen: 0.308 ng

RT: 7.81 min Scan# 506

Delta R.T. -0.01 min

Lab File: BE095940.D

Acq: 4 Apr 2018 10:51

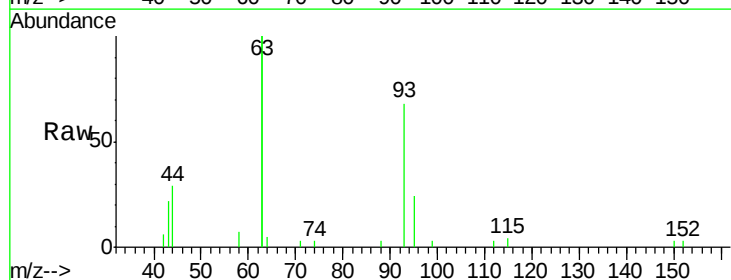
Tgt Ion: 93 Resp: 1710

Ion Ratio Lower Upper

93 100

63 338.3 275.3 412.9

95 32.2 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

5000

4000

3000

2000

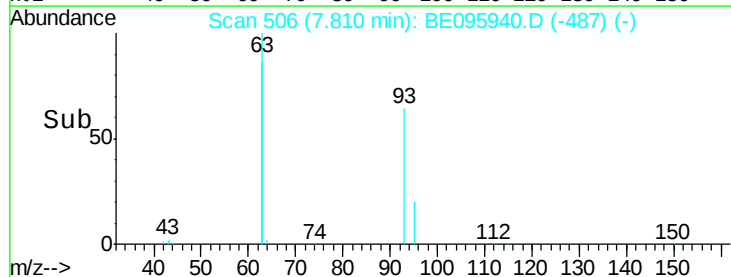
1000

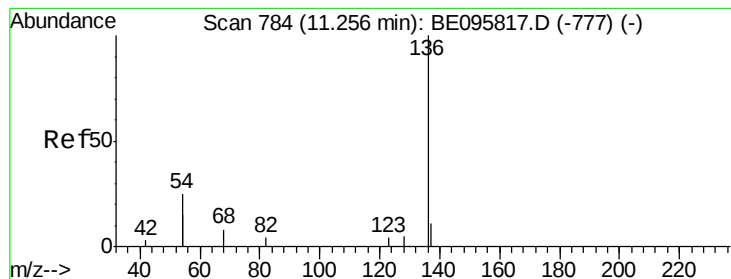
0

7.81

Time-->

7.75 7.80 7.85 7.90





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 11.24 min Scan# 783

Delta R.T. -0.01 min

Lab File: BE095940.D

Acq: 4 Apr 2018 10:51

Instrument :

BNA_E

ClientSampleId :

PB107954BS

Tot Ion:136 Resp: 5112

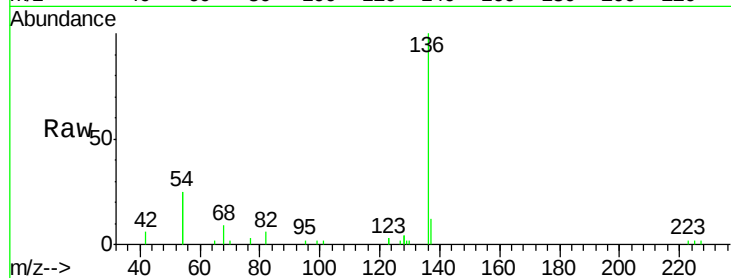
Ion Ratio Lower Upper

136 100

137 11.7 9.5 14.3

54 50.0 29.1 43.7#

68 8.7 6.2 9.2

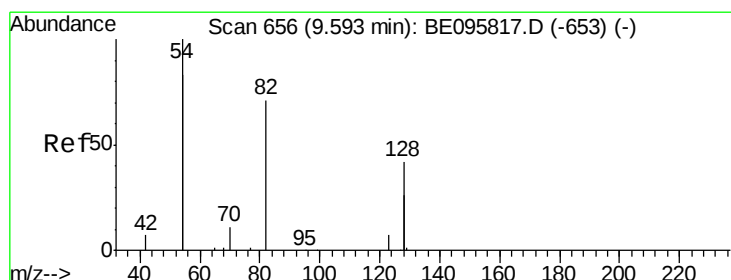
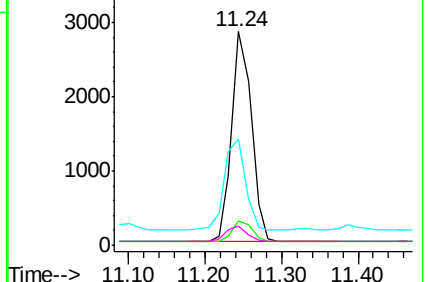
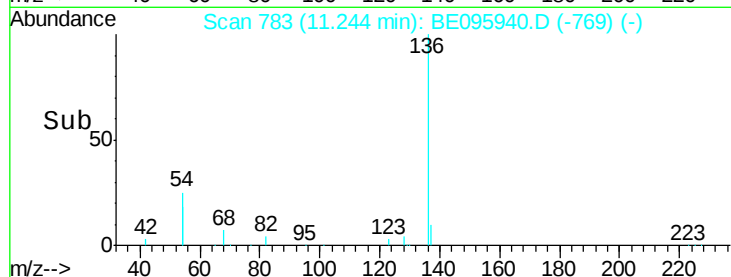


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.343 ng

RT: 9.59 min Scan# 656

Delta R.T. 0.00 min

Lab File: BE095940.D

Acq: 4 Apr 2018 10:51

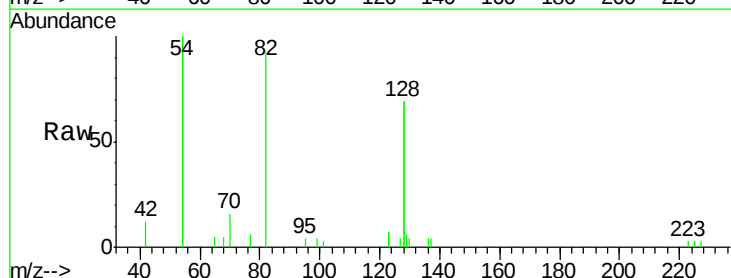
Tgt Ion: 82 Resp: 2070

Ion Ratio Lower Upper

82 100

128 150.2 150.0 225.0

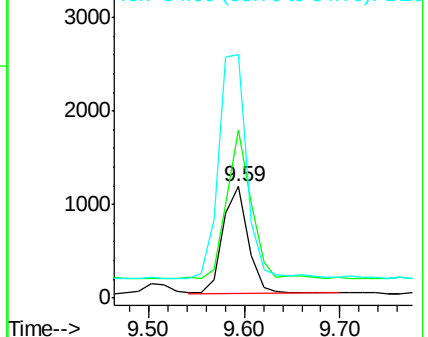
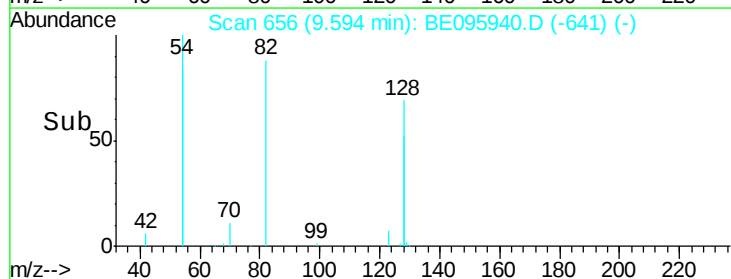
54 218.3 154.2 231.4

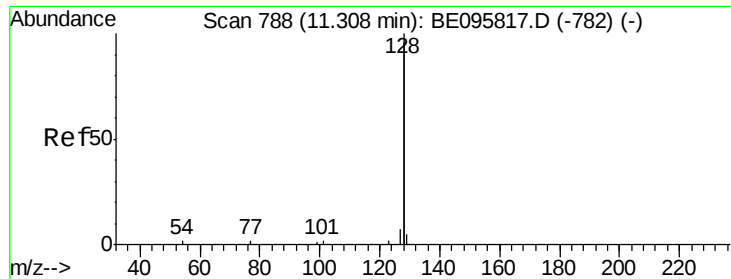


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.329 ng

RT: 11.30 min Scan# 787

Delta R.T. -0.01 min

Lab File: BE095940.D

Acq: 4 Apr 2018 10:51

Instrument :

BNA_E

ClientSampleId :

PB107954BS

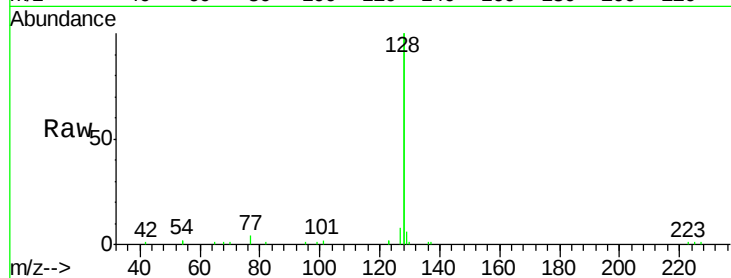
Tot Ion:128 Resp: 19196

Ion Ratio Lower Upper

128 100

129 3.1 2.6 3.8

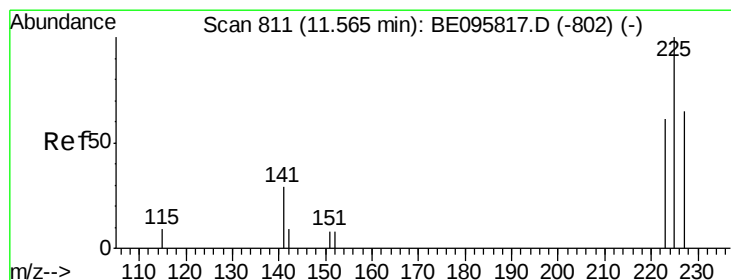
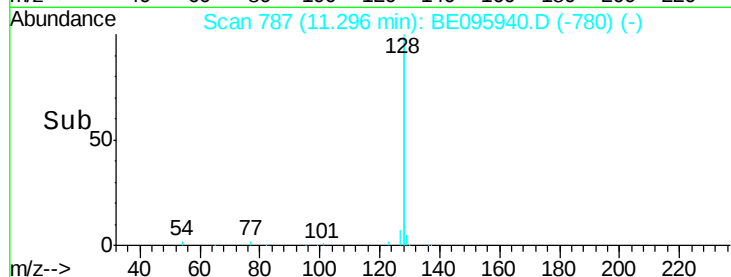
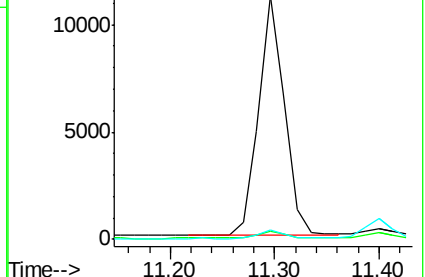
127 3.8 2.8 4.2



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: 0.323 ng

RT: 11.55 min Scan# 809

Delta R.T. -0.01 min

Lab File: BE095940.D

Acq: 4 Apr 2018 10:51

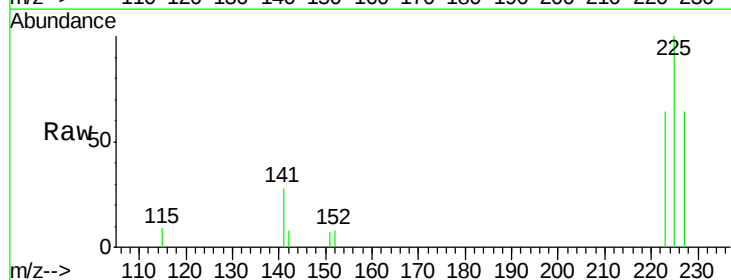
Tgt Ion:225 Resp: 1295

Ion Ratio Lower Upper

225 100

223 63.9 53.0 79.6

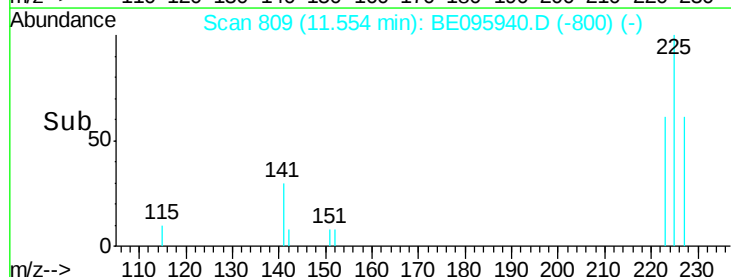
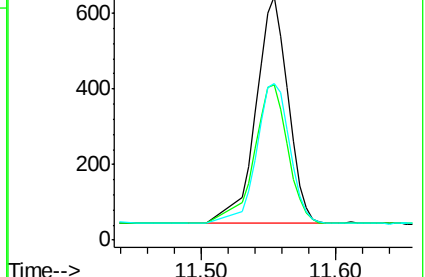
227 64.2 51.4 77.2

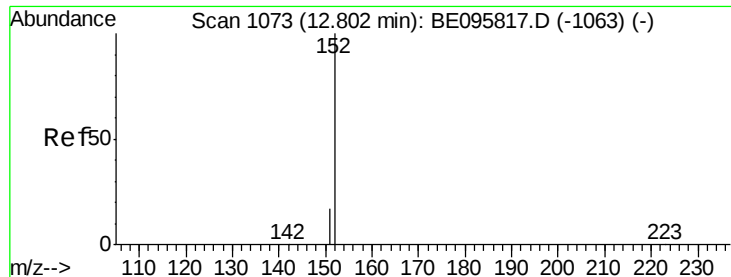


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

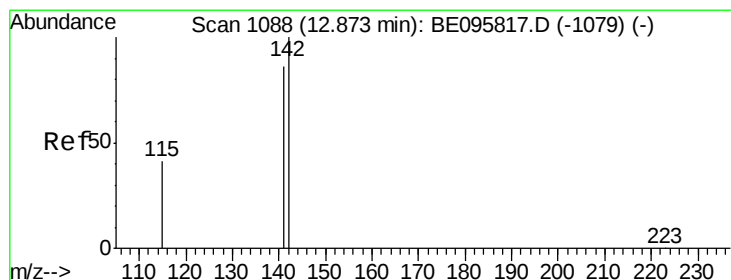
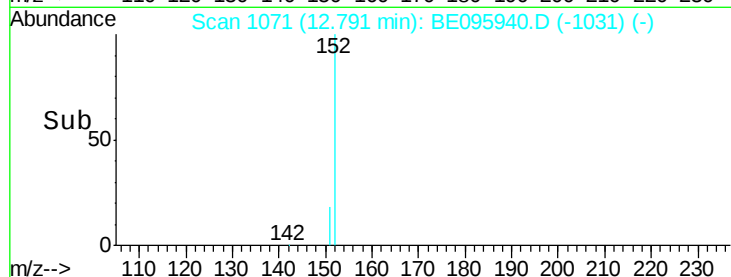
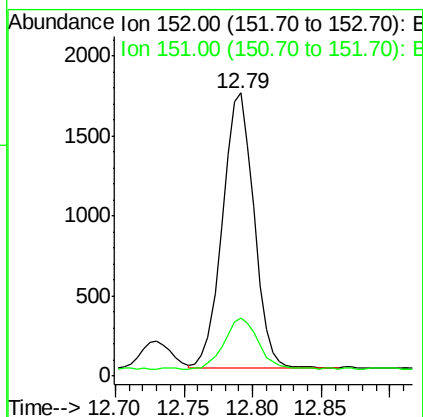
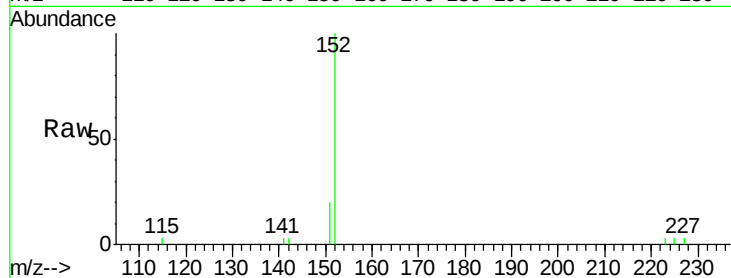




#11
2-Methylnaphthalene-d10
Concen: 0.322 ng
RT: 12.79 min Scan# 1071
Delta R.T. -0.01 min
Lab File: BE095940.D
Acq: 4 Apr 2018 10:51

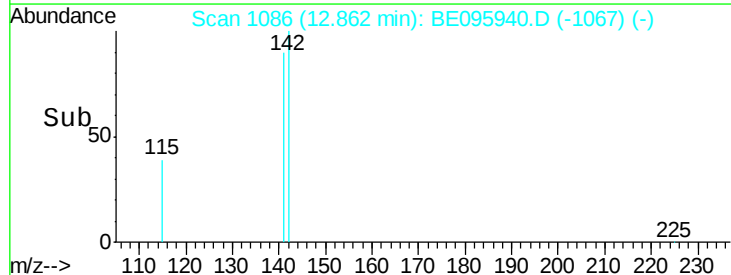
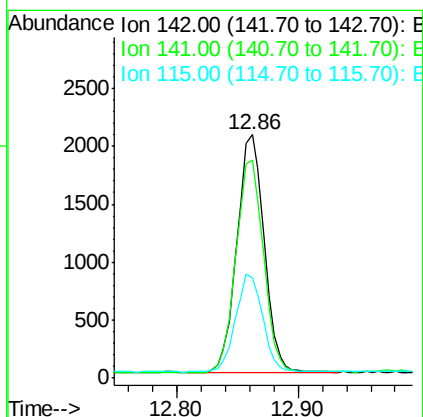
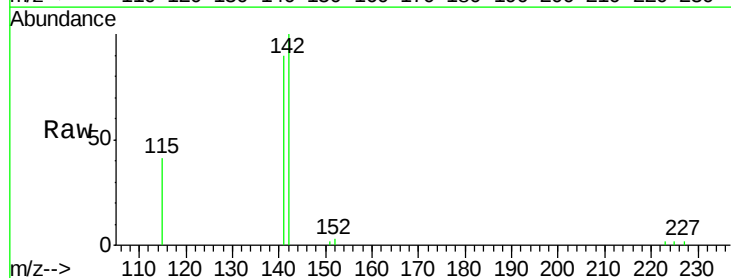
Instrument :
BNA_E
ClientSampleId :
PB107954BS

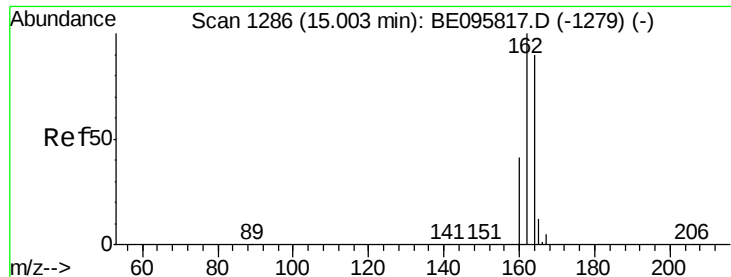
Tot Ion:152 Resp: 2744
Ion Ratio Lower Upper
152 100
151 20.0 15.4 23.0



#12
2-Methylnaphthalene
Concen: 0.323 ng
RT: 12.86 min Scan# 1086
Delta R.T. -0.01 min
Lab File: BE095940.D
Acq: 4 Apr 2018 10:51

Tgt Ion:142 Resp: 3222
Ion Ratio Lower Upper
142 100
141 89.8 70.4 105.6
115 41.1 31.7 47.5





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.99 min Scan# 1285

Delta R.T. -0.01 min

Lab File: BE095940.D

Acq: 4 Apr 2018 10:51

Instrument :

BNA_E

ClientSampleId :

PB107954BS

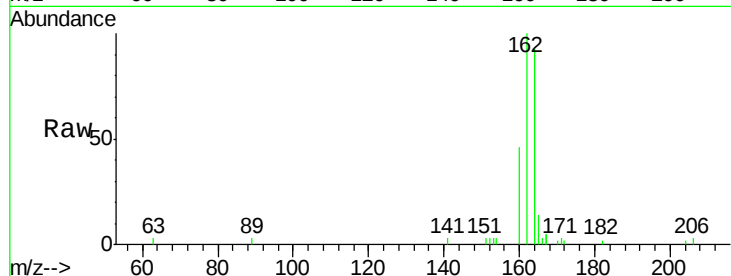
Tot Ion:164 Resp: 2549

Ion Ratio Lower Upper

164 100

162 107.6 83.1 124.7

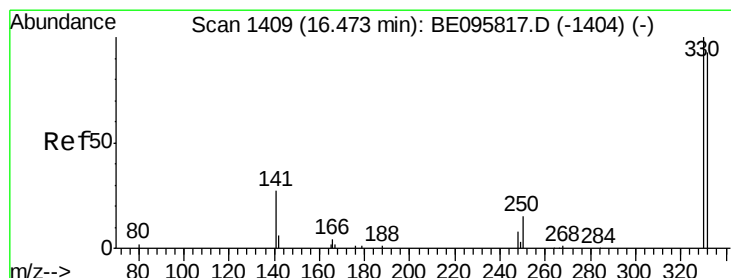
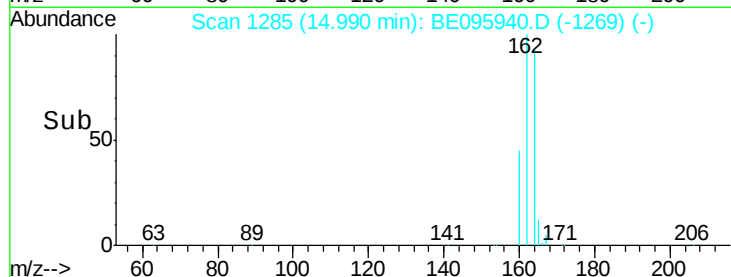
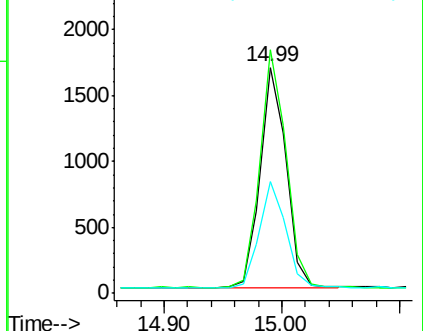
160 49.4 37.1 55.7



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: 0.252 ng

RT: 16.46 min Scan# 1408

Delta R.T. -0.01 min

Lab File: BE095940.D

Acq: 4 Apr 2018 10:51

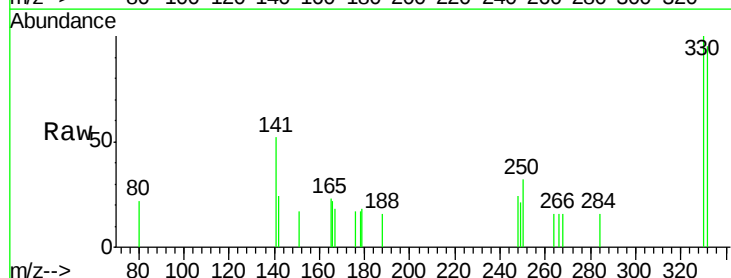
Tgt Ion:330 Resp: 370

Ion Ratio Lower Upper

330 100

332 98.1 152.7 229.1#

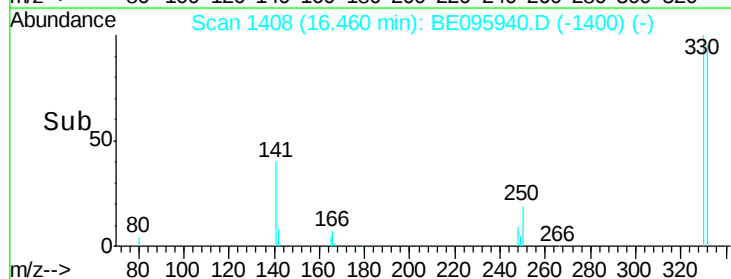
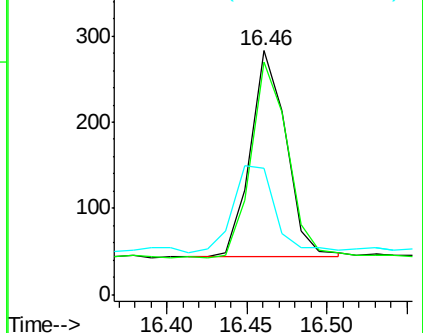
141 49.7 33.7 50.5

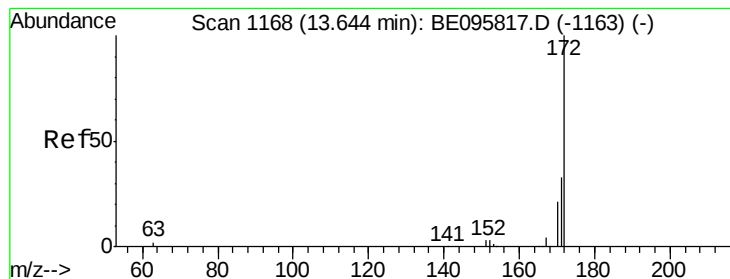


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

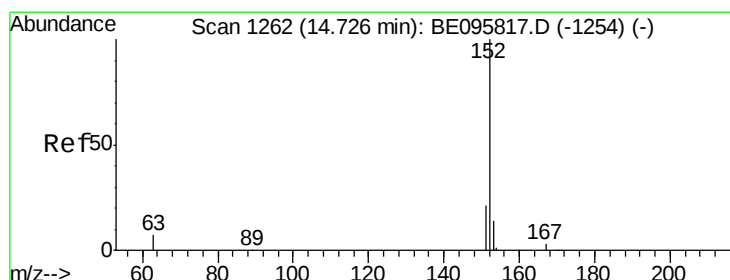
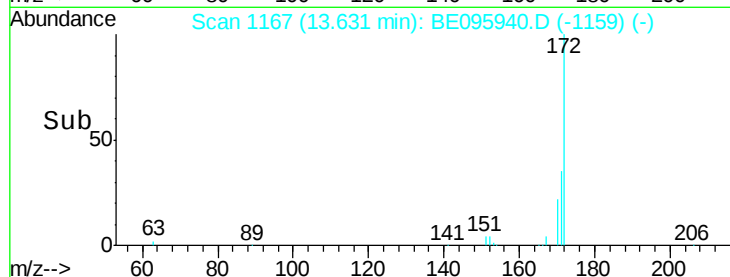
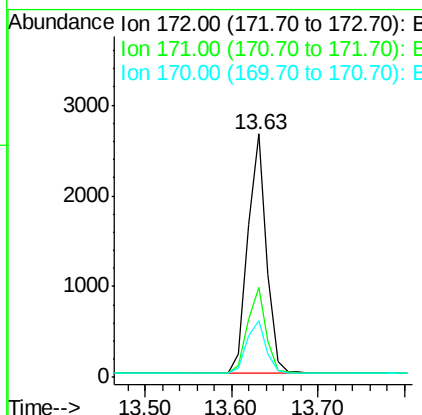
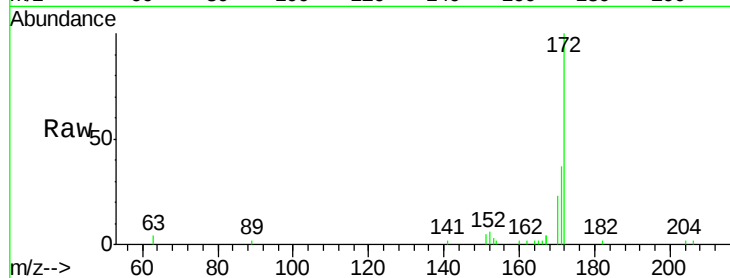




#15
2-Fluorobiphenyl
Concen: 0.370 ng
RT: 13.63 min Scan# 1167
Delta R.T. -0.01 min
Lab File: BE095940.D
Acq: 4 Apr 2018 10:51

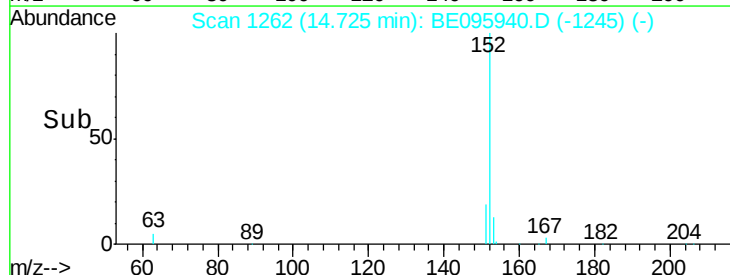
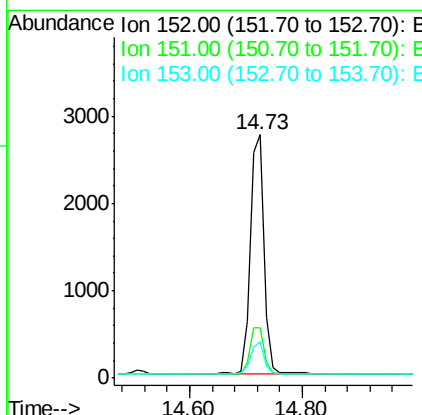
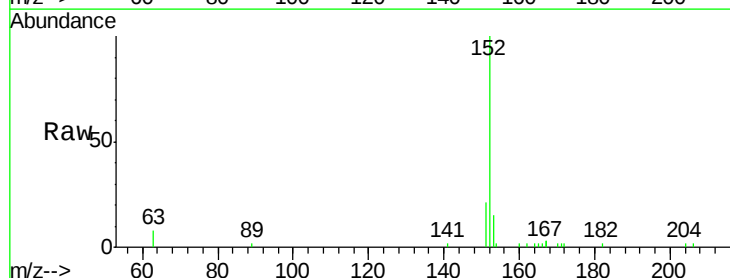
Instrument :
BNA_E
ClientSampleId :
PB107954BS

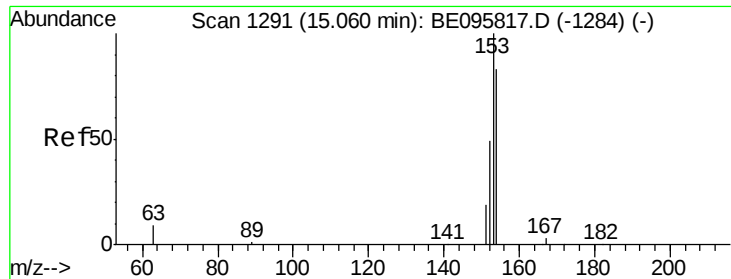
Tot Ion:172 Resp: 3974
Ion Ratio Lower Upper
172 100
171 36.7 29.9 44.9
170 23.3 21.8 32.8



#16
Acenaphthylene
Concen: 0.321 ng
RT: 14.73 min Scan# 1262
Delta R.T. -0.00 min
Lab File: BE095940.D
Acq: 4 Apr 2018 10:51

Tgt Ion:152 Resp: 4680
Ion Ratio Lower Upper
152 100
151 20.4 15.7 23.5
153 13.1 10.5 15.7

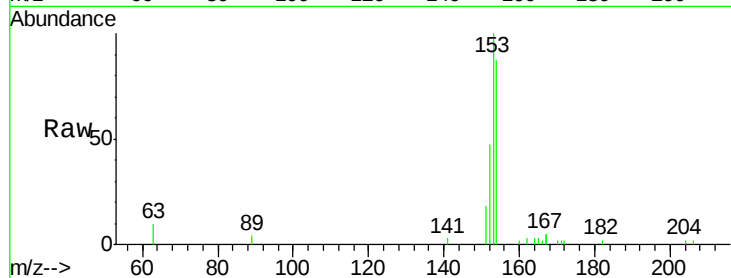




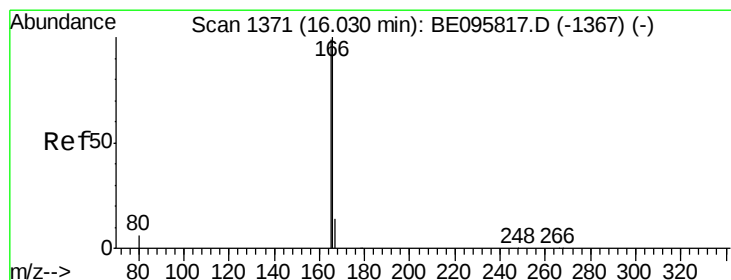
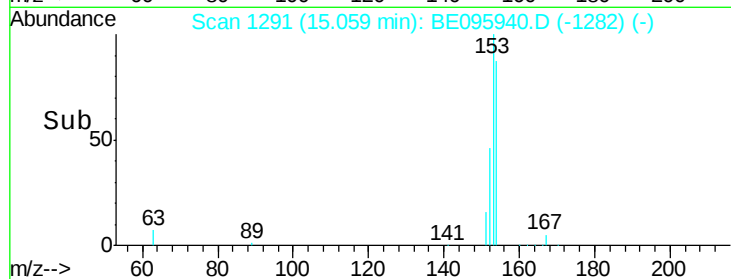
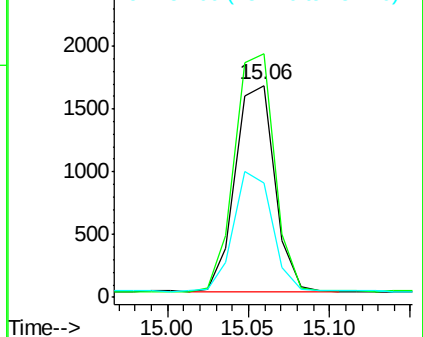
#17
Acenaphthene
Concen: 0.312 ng
RT: 15.06 min Scan# 1291
Delta R.T. -0.00 min
Lab File: BE095940.D
Acq: 4 Apr 2018 10:51

Instrument :
BNA_E
ClientSampleId :
PB107954BS

Tot Ion:154 Resp: 2770
Ion Ratio Lower Upper
154 100
153 116.5 89.2 133.8
152 57.0 42.0 63.0

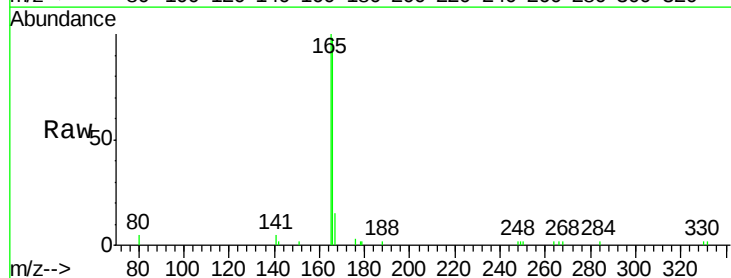


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

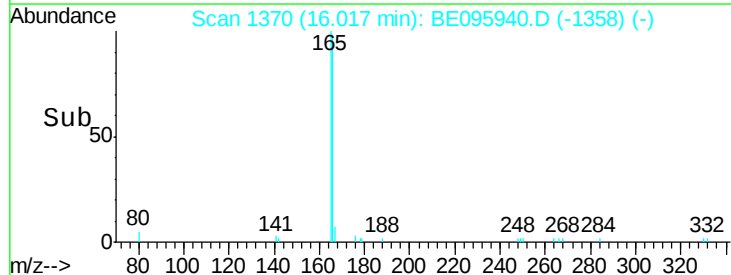
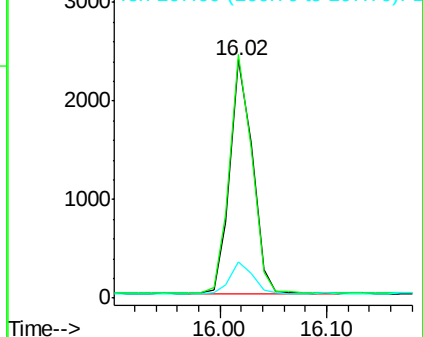


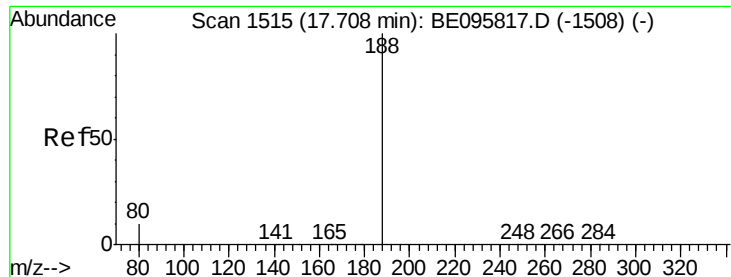
#18
Fluorene
Concen: 0.296 ng
RT: 16.02 min Scan# 1370
Delta R.T. -0.01 min
Lab File: BE095940.D
Acq: 4 Apr 2018 10:51

Tgt Ion:166 Resp: 3467
Ion Ratio Lower Upper
166 100
165 100.7 77.8 116.6
167 13.6 42.4 63.6#



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





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.70 min Scan# 1514

Delta R.T. -0.01 min

Lab File: BE095940.D

Acq: 4 Apr 2018 10:51

Instrument :

BNA_E

ClientSampleId :

PB107954BS

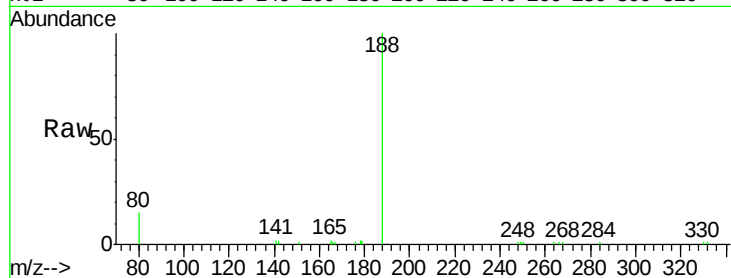
Tot Ion:188 Resp: 5515

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

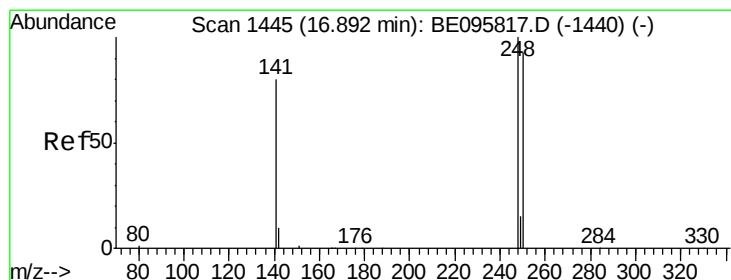
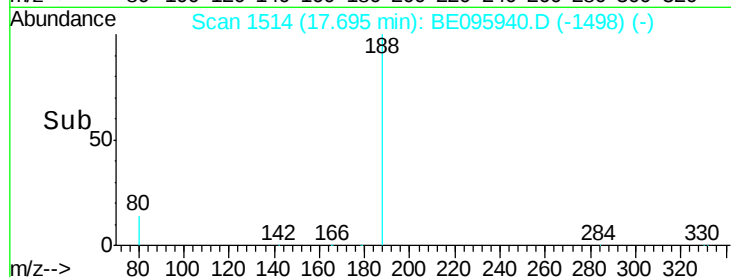
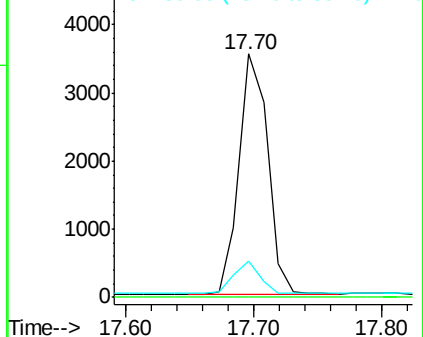
80 15.1 3.6 5.4#



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: 0.319 ng

RT: 16.89 min Scan# 1445

Delta R.T. -0.00 min

Lab File: BE095940.D

Acq: 4 Apr 2018 10:51

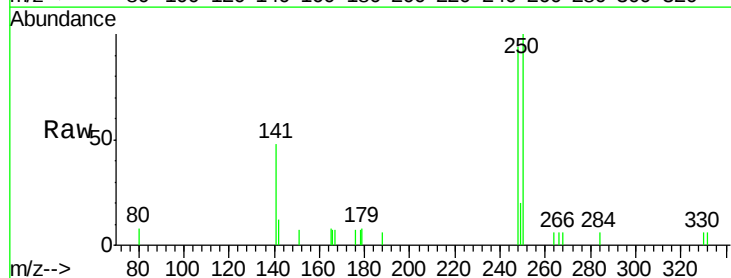
Tgt Ion:248 Resp: 1057

Ion Ratio Lower Upper

248 100

250 106.5 62.7 94.1#

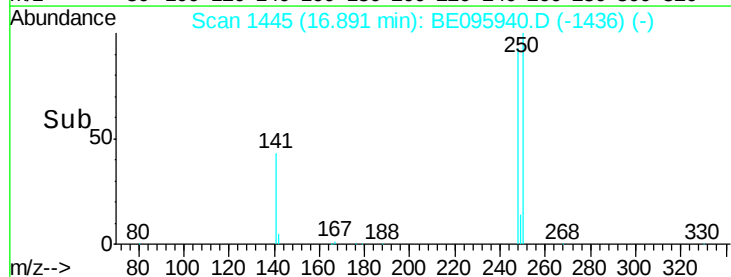
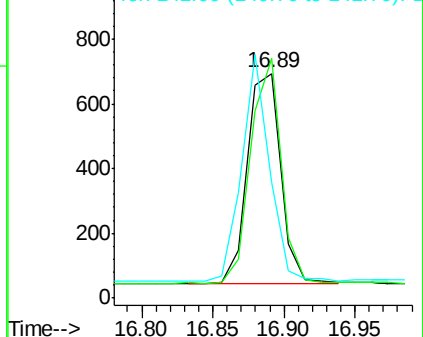
141 51.2 48.2 72.2

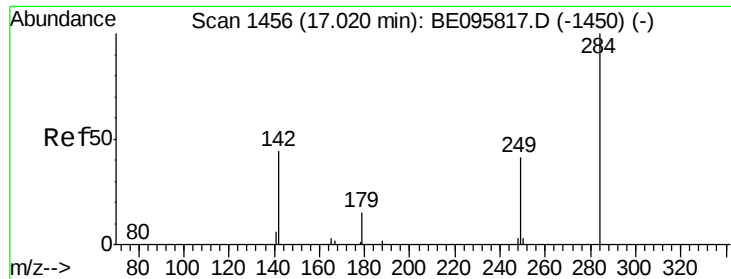


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.330 ng

RT: 17.02 min Scan# 1456

Delta R.T. -0.00 min

Lab File: BE095940.D

Acq: 4 Apr 2018 10:51

Instrument :

BNA_E

ClientSampleId :

PB107954BS

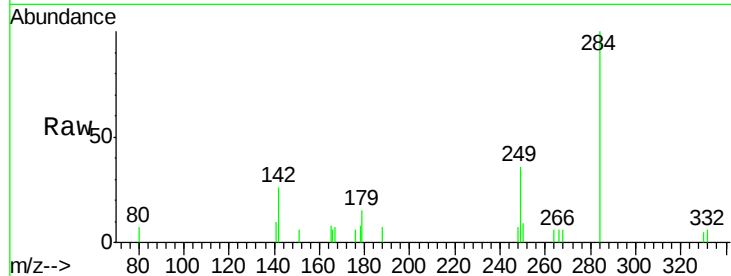
Tot Ion:284 Resp: 1094

Ion Ratio Lower Upper

284 100

142 43.1 22.1 33.1#

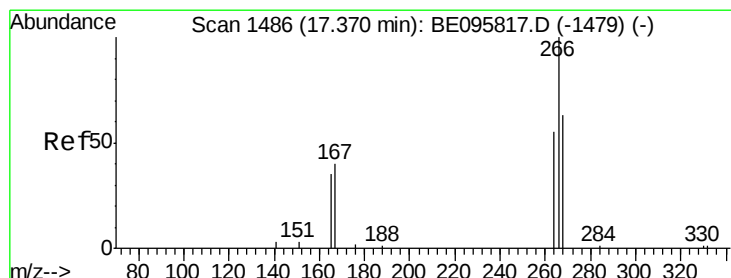
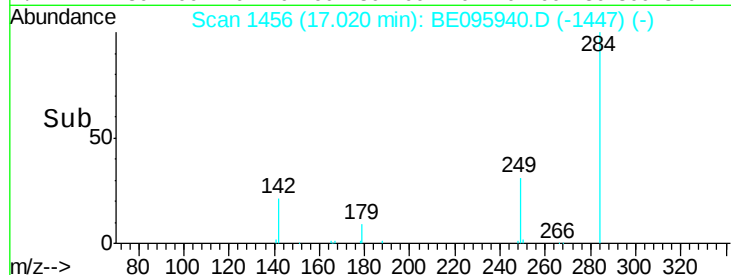
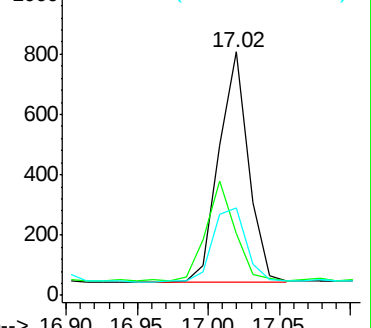
249 36.8 34.8 52.2



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: 0.588 ng

RT: 17.36 min Scan# 1485

Delta R.T. -0.01 min

Lab File: BE095940.D

Acq: 4 Apr 2018 10:51

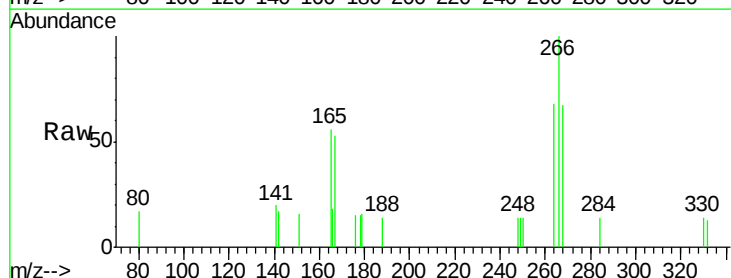
Tgt Ion:266 Resp: 571

Ion Ratio Lower Upper

266 100

264 68.1 72.5 108.7#

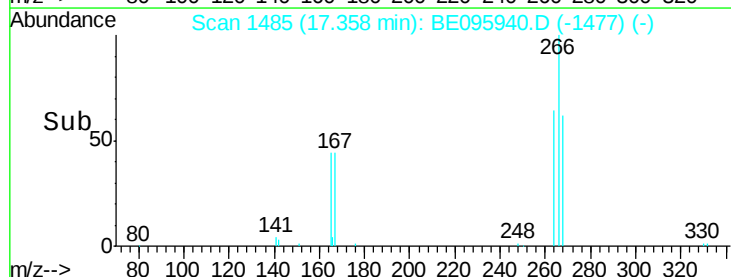
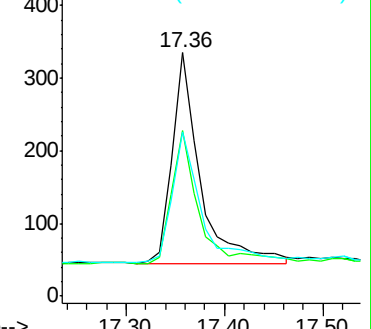
268 67.5 73.8 110.6#

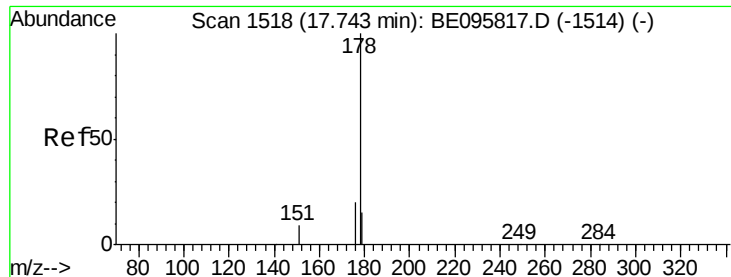


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E

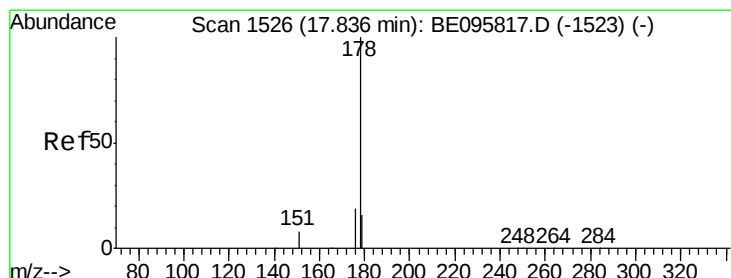
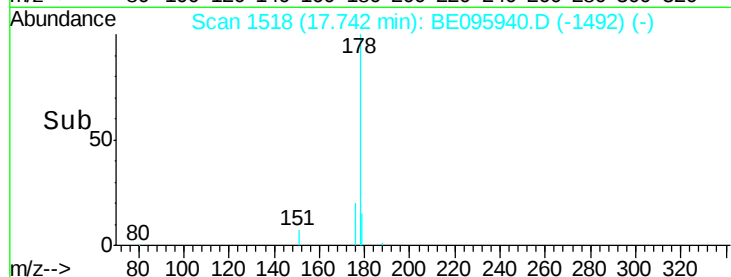
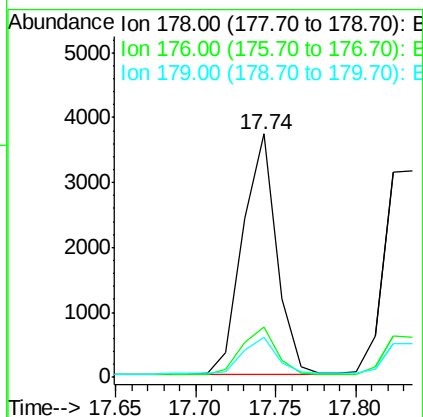
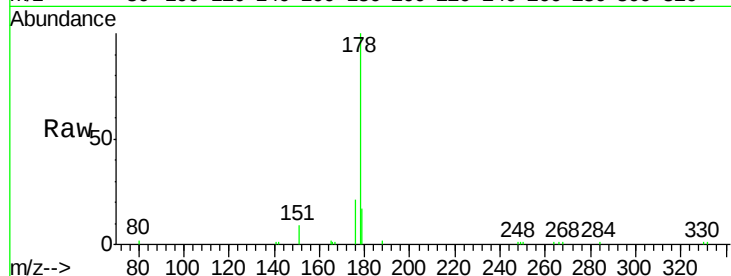




#23
Phenanthrene
Concen: 0.330 ng
RT: 17.74 min Scan# 1518
Delta R.T. -0.00 min
Lab File: BE095940.D
Acq: 4 Apr 2018 10:51

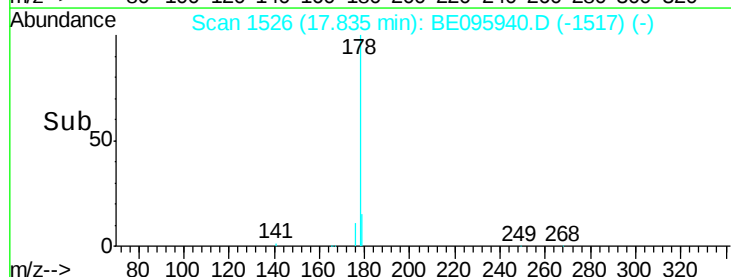
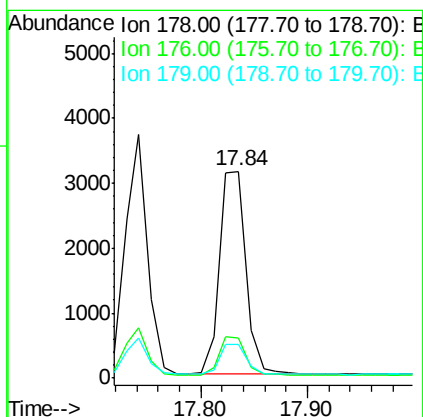
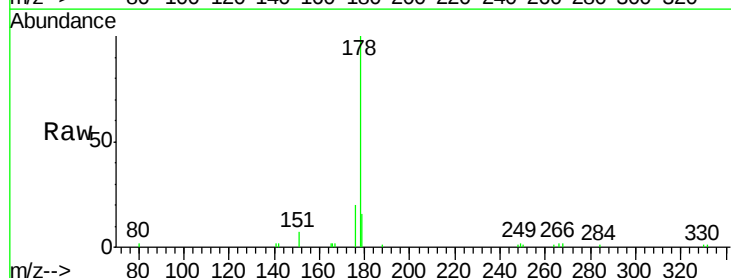
Instrument :
BNA_E
ClientSampleId :
PB107954BS

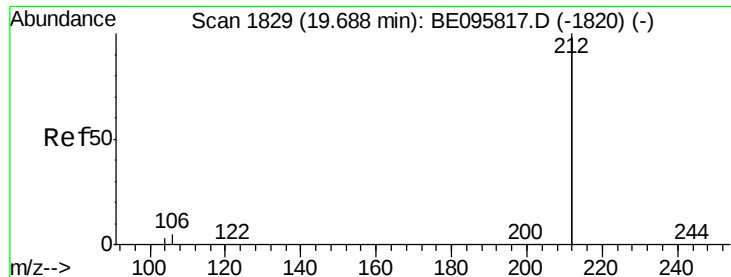
Tot Ion:178 Resp: 5451
Ion Ratio Lower Upper
178 100
176 19.5 15.1 22.7
179 14.9 11.8 17.6



#24
Anthracene
Concen: 0.324 ng
RT: 17.84 min Scan# 1526
Delta R.T. -0.00 min
Lab File: BE095940.D
Acq: 4 Apr 2018 10:51

Tgt Ion:178 Resp: 5356
Ion Ratio Lower Upper
178 100
176 18.7 12.8 19.2
179 15.1 13.0 19.6





#25

Fluoranthene-d10

Concen: 0.317 ng

RT: 19.68 min Scan# 1828

Delta R.T. -0.01 min

Lab File: BE095940.D

Acq: 4 Apr 2018 10:51

Instrument :

BNA_E

ClientSampleId :

PB107954BS

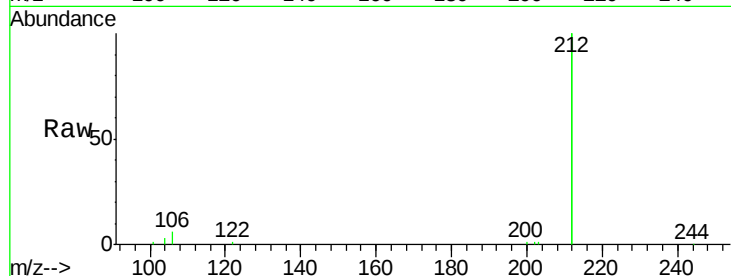
Tot Ion:212 Resp: 25986

Ion Ratio Lower Upper

212 100

106 3.0 2.8 4.2

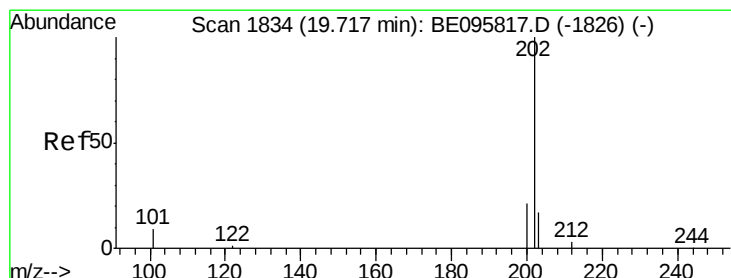
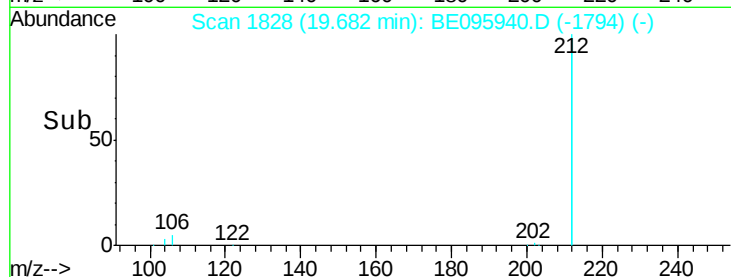
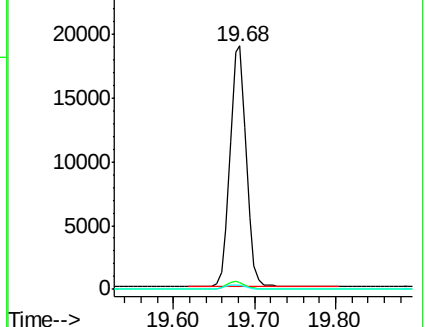
104 1.7 1.6 2.4



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: 0.311 ng

RT: 19.71 min Scan# 1833

Delta R.T. -0.01 min

Lab File: BE095940.D

Acq: 4 Apr 2018 10:51

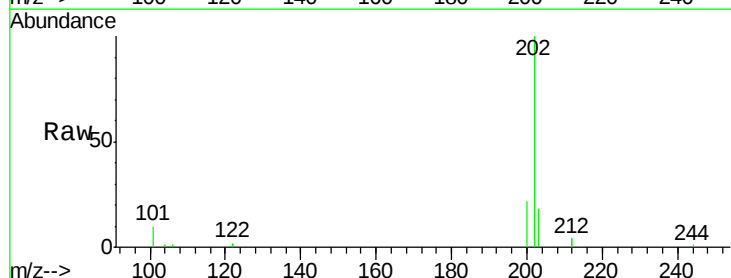
Tgt Ion:202 Resp: 7138

Ion Ratio Lower Upper

202 100

101 10.2 9.8 14.8

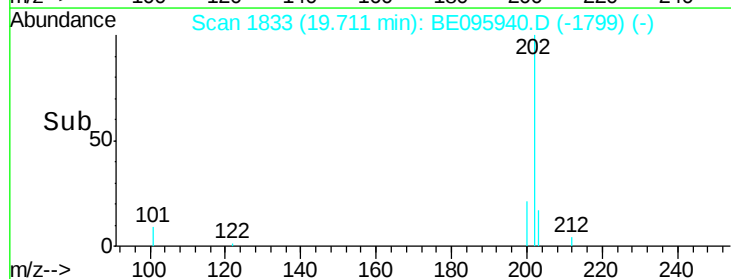
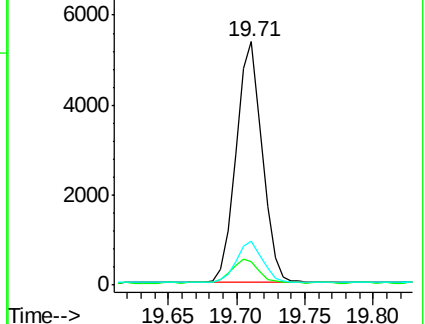
203 16.9 13.7 20.5

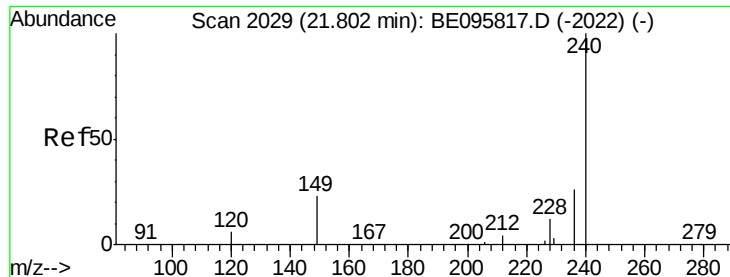


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

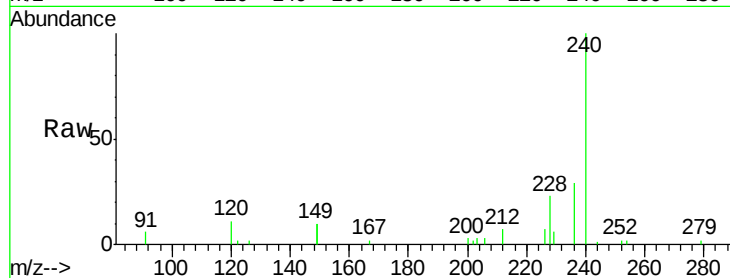




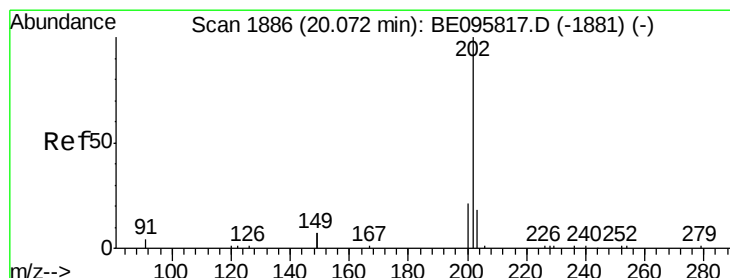
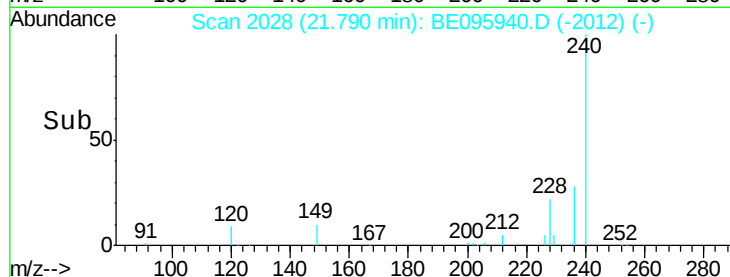
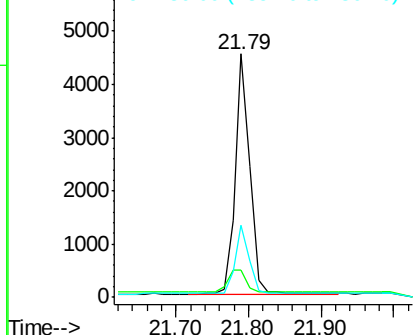
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.79 min Scan# 2028
Delta R.T. -0.01 min
Lab File: BE095940.D
Acq: 4 Apr 2018 10:51

Instrument :
BNA_E
ClientSampleId :
PB107954BS

Tot Ion:240 Resp: 6413
Ion Ratio Lower Upper
240 100
120 11.1 5.5 8.3#
236 29.4 20.7 31.1

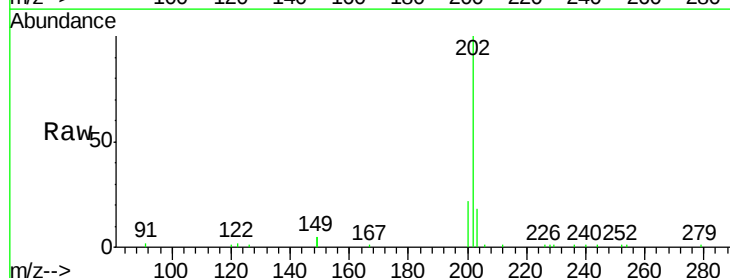


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

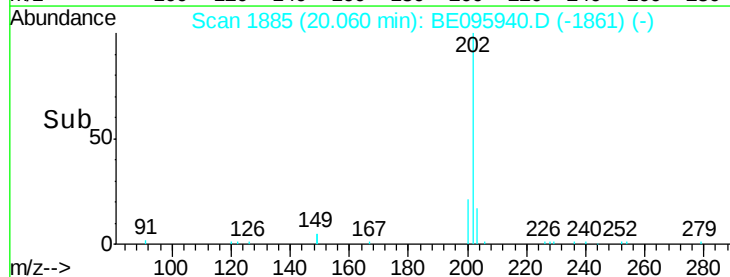
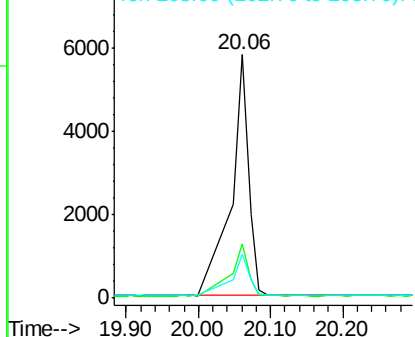


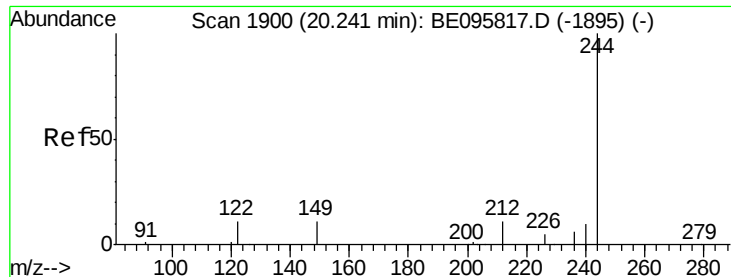
#28
Pyrene
Concen: 0.322 ng
RT: 20.06 min Scan# 1885
Delta R.T. -0.01 min
Lab File: BE095940.D
Acq: 4 Apr 2018 10:51

Tgt Ion:202 Resp: 8417
Ion Ratio Lower Upper
202 100
200 23.4 16.6 25.0
203 17.8 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: 0.338 ng

RT: 20.24 min Scan# 1900

Delta R.T. 0.00 min

Lab File: BE095940.D

Acq: 4 Apr 2018 10:51

Instrument :

BNA_E

ClientSampleId :

PB107954BS

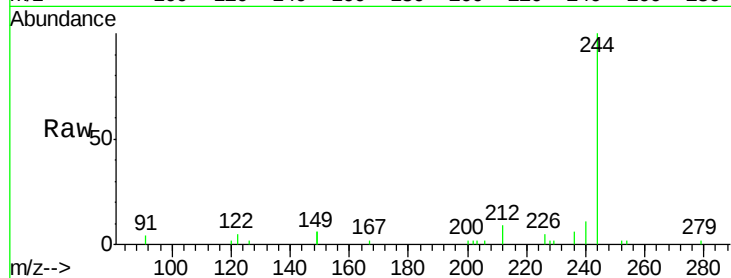
Tot Ion:244 Resp: 4610

Ion Ratio Lower Upper

244 100

212 9.0 25.4 38.0#

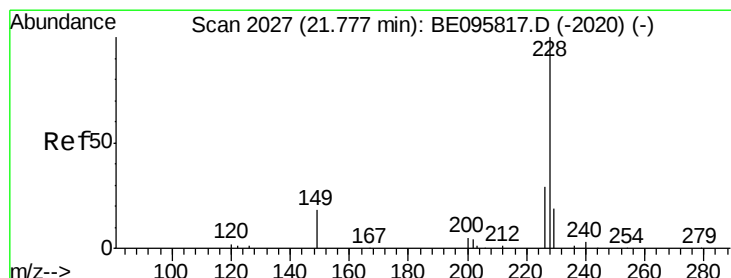
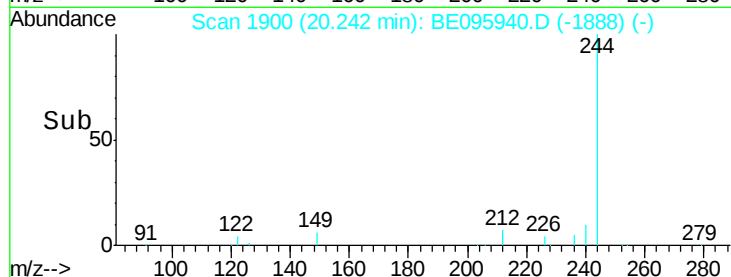
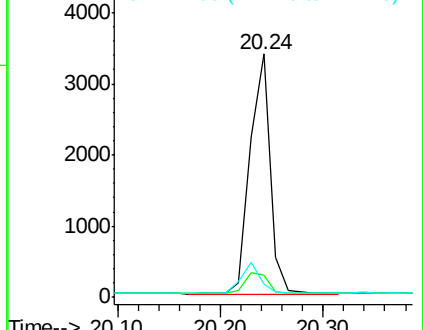
122 5.5 8.1 12.1#



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: 0.336 ng

RT: 21.78 min Scan# 2027

Delta R.T. 0.00 min

Lab File: BE095940.D

Acq: 4 Apr 2018 10:51

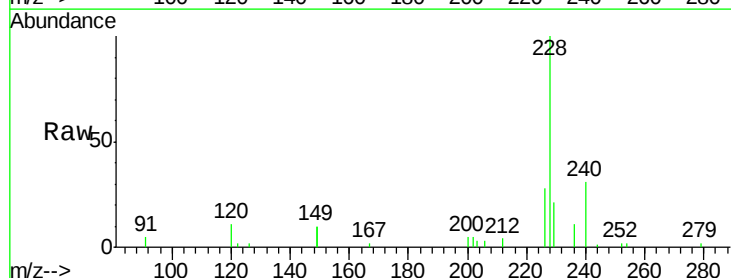
Tgt Ion:228 Resp: 7465

Ion Ratio Lower Upper

228 100

226 27.9 24.0 36.0

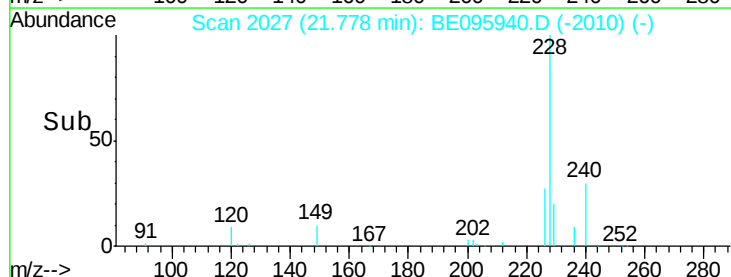
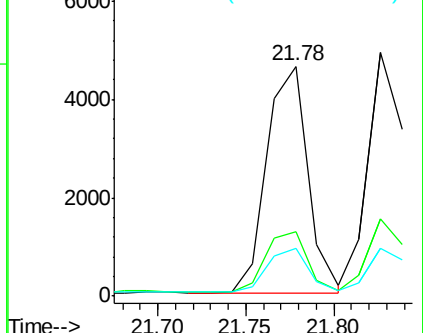
229 21.0 16.0 24.0

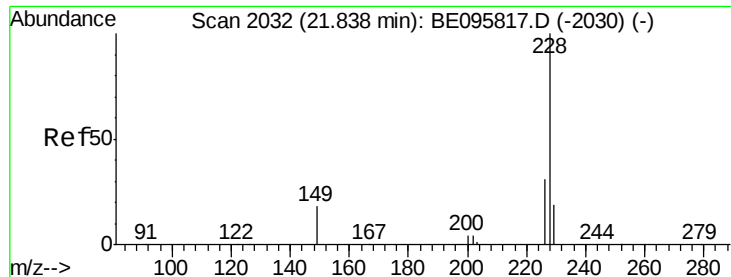


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.352 ng

RT: 21.83 min Scan# 2031

Delta R.T. -0.01 min

Lab File: BE095940.D

Acq: 4 Apr 2018 10:51

Instrument :

BNA_E

ClientSampleId :

PB107954BS

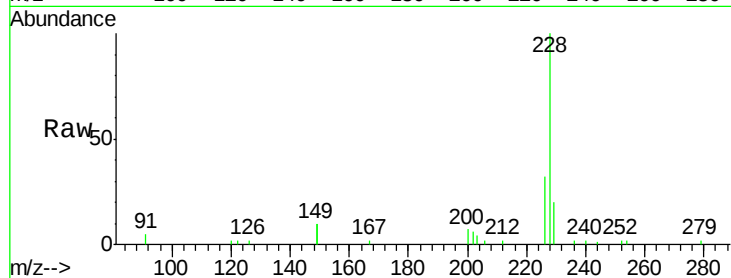
Tot Ion:228 Resp: 7137

Ion Ratio Lower Upper

228 100

226 31.7 24.0 36.0

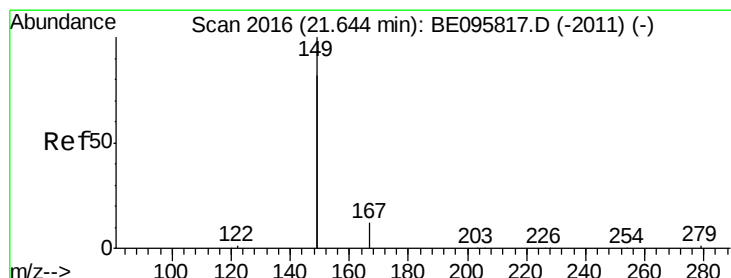
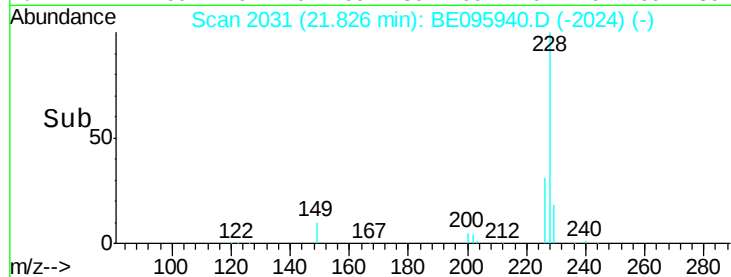
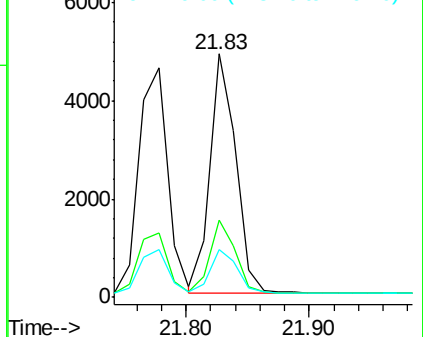
229 19.5 16.0 24.0



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



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.274 ng

RT: 21.65 min Scan# 2016

Delta R.T. 0.00 min

Lab File: BE095940.D

Acq: 4 Apr 2018 10:51

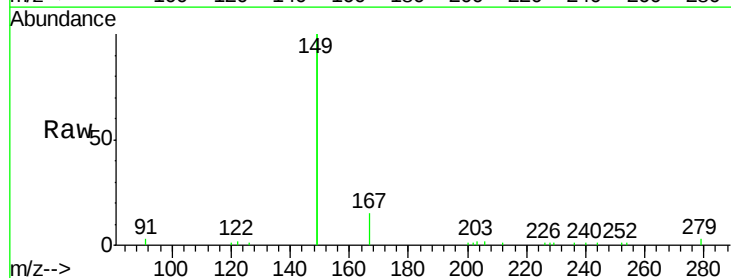
Tgt Ion:149 Resp: 18623

Ion Ratio Lower Upper

149 100

167 6.9 5.4 8.0

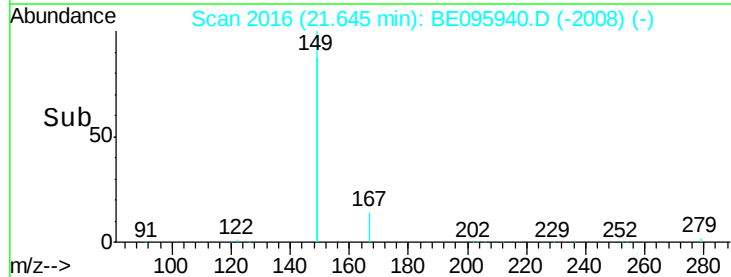
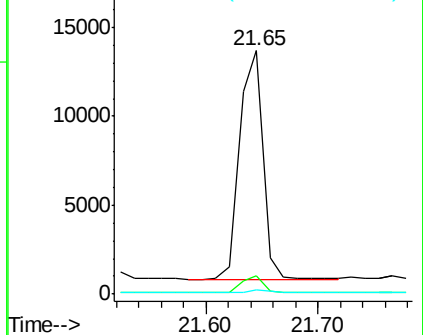
279 1.1 0.7 1.1

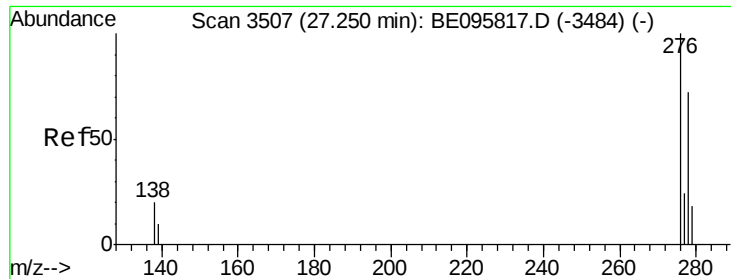


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

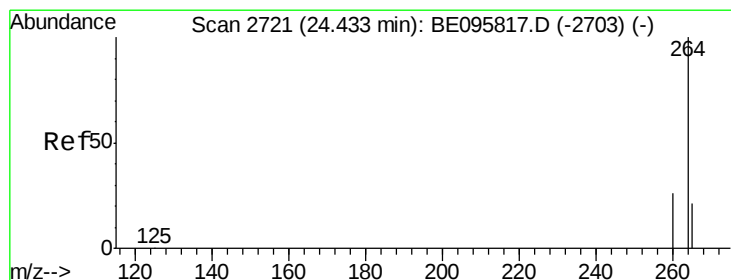
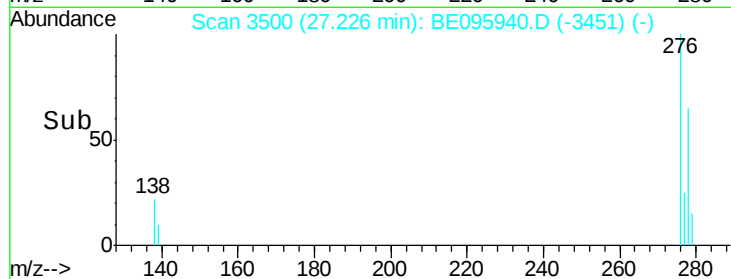
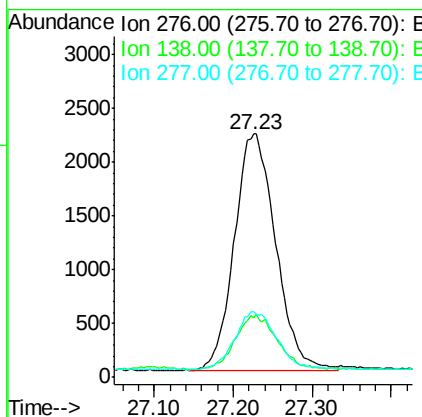
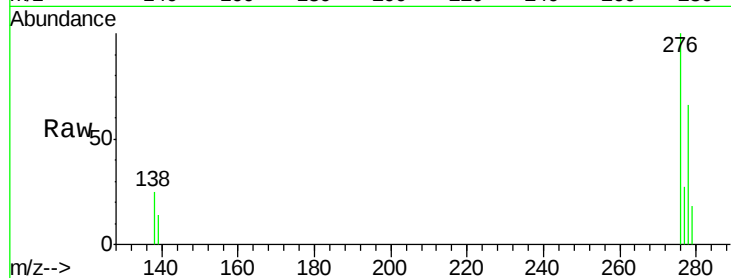




#33
Indeno(1,2,3-cd)pyrene
Concen: 0.364 ng
RT: 27.23 min Scan# 3500
Delta R.T. -0.02 min
Lab File: BE095940.D
Acq: 4 Apr 2018 10:51

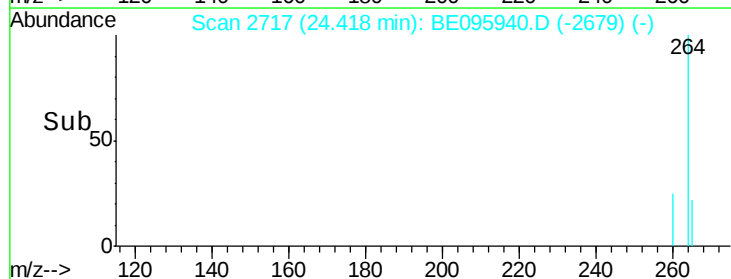
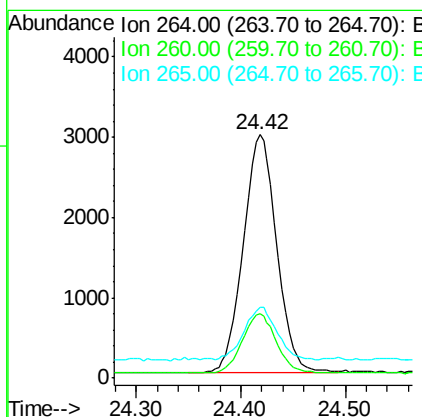
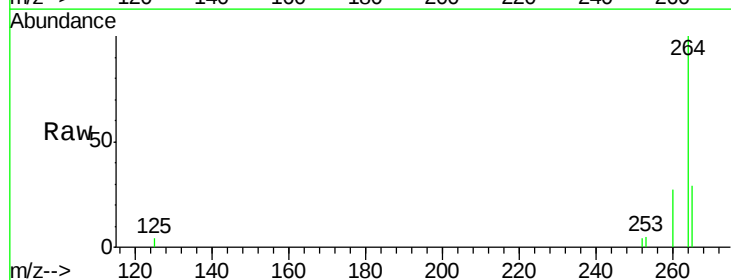
Instrument :
BNA_E
ClientSampleId :
PB107954BS

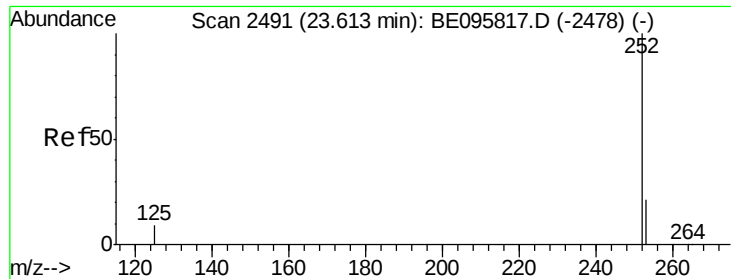
Tot Ion:276 Resp: 7969
Ion Ratio Lower Upper
276 100
138 23.1 22.5 33.7
277 25.6 19.9 29.9



#34
Perylene-d12
Concen: 0.400 ng
RT: 24.42 min Scan# 2717
Delta R.T. -0.02 min
Lab File: BE095940.D
Acq: 4 Apr 2018 10:51

Tgt Ion:264 Resp: 6587
Ion Ratio Lower Upper
264 100
260 26.7 20.5 30.7
265 28.9 22.8 34.2





#35

Benzo(b)fluoranthene

Concen: 0.336 ng

RT: 23.60 min Scan# 2488

Delta R.T. -0.01 min

Lab File: BE095940.D

Acq: 4 Apr 2018 10:51

Instrument :

BNA_E

ClientSampleId :

PB107954BS

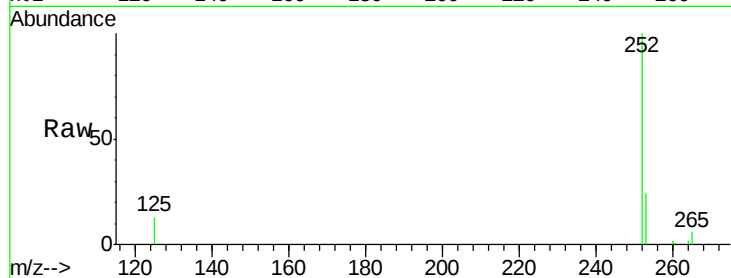
Tot Ion:252 Resp: 7317

Ion Ratio Lower Upper

252 100

253 24.2 20.0 30.0

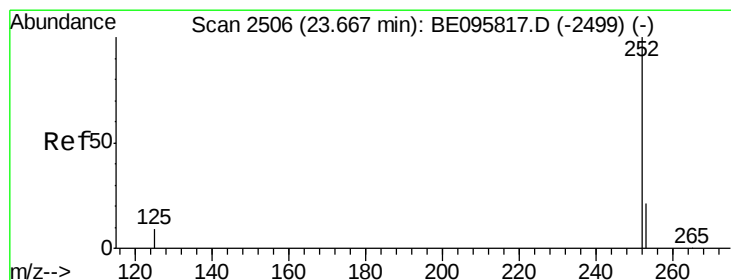
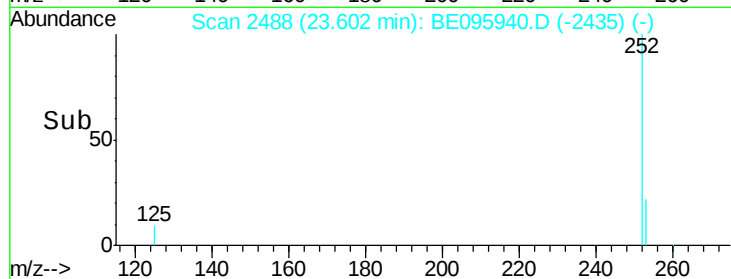
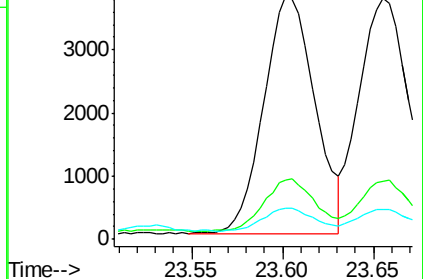
125 12.5 16.0 24.0#



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



#36

Benzo(k)fluoranthene

Concen: 0.331 ng

RT: 23.66 min Scan# 2503

Delta R.T. -0.01 min

Lab File: BE095940.D

Acq: 4 Apr 2018 10:51

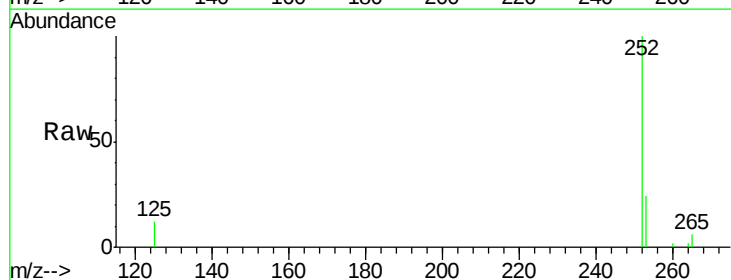
Tgt Ion:252 Resp: 7224

Ion Ratio Lower Upper

252 100

253 24.2 16.0 24.0#

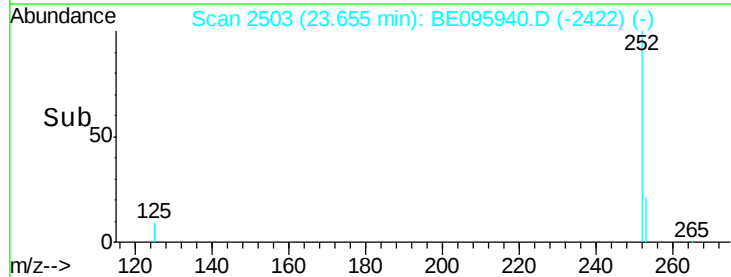
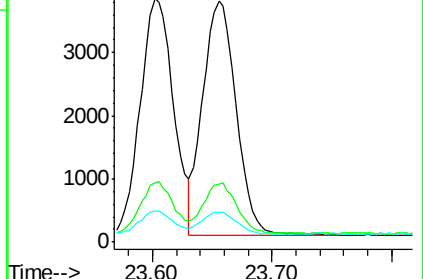
125 12.4 8.0 12.0#

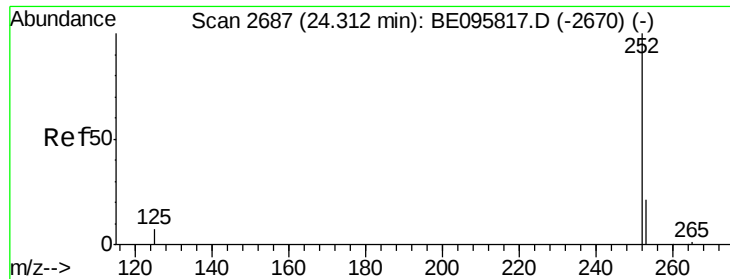


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.346 ng

RT: 24.30 min Scan# 2684

Delta R.T. -0.01 min

Lab File: BE095940.D

Acq: 4 Apr 2018 10:51

Instrument :

BNA_E

ClientSampleId :

PB107954BS

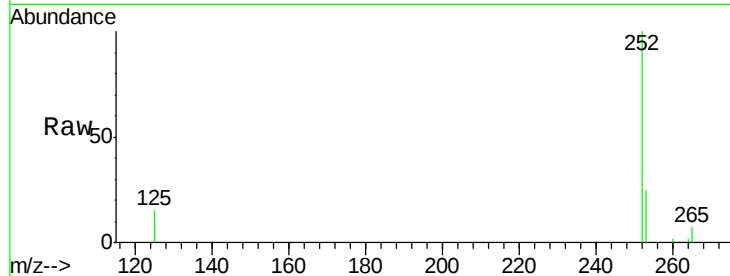
Tot Ion:252 Resp: 7062

Ion Ratio Lower Upper

252 100

253 25.2 16.0 24.0#

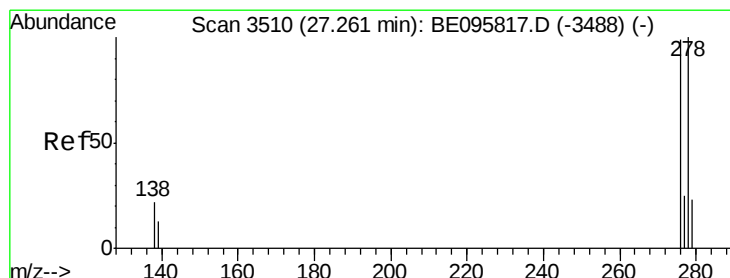
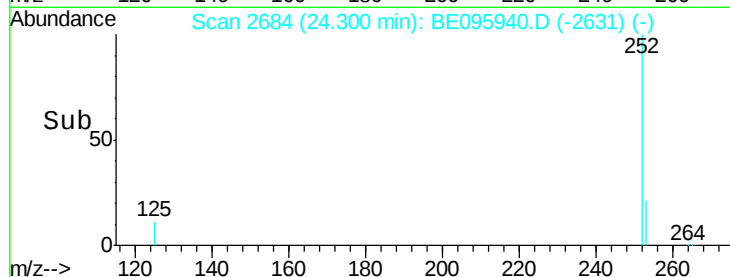
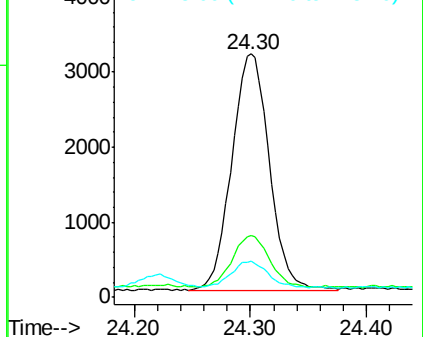
125 14.9 12.0 18.0



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: 0.333 ng

RT: 27.24 min Scan# 3505

Delta R.T. -0.02 min

Lab File: BE095940.D

Acq: 4 Apr 2018 10:51

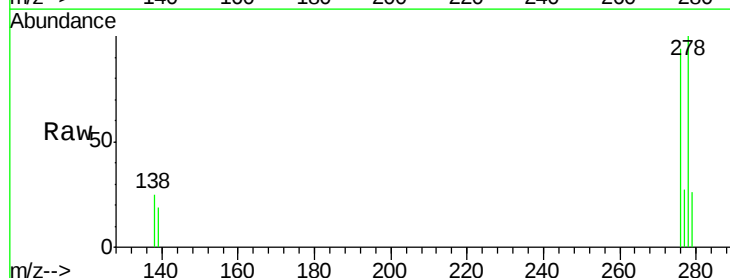
Tgt Ion:278 Resp: 6465

Ion Ratio Lower Upper

278 100

139 18.7 16.0 24.0

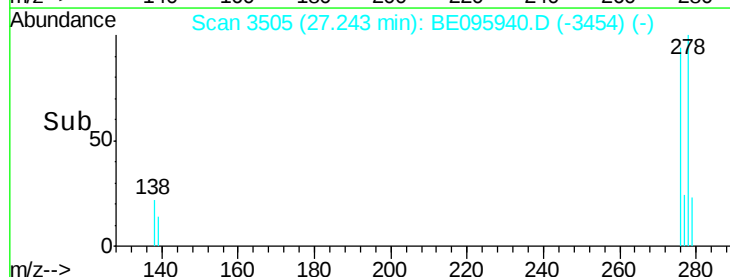
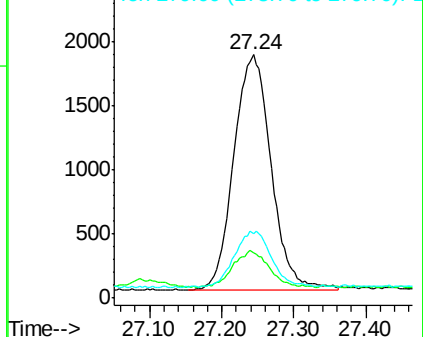
279 26.5 20.0 30.0

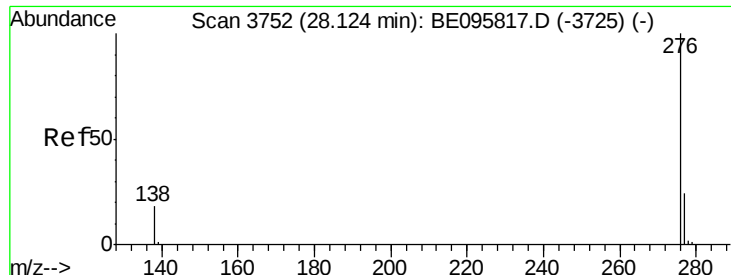


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.350 ng

RT: 28.10 min Scan# 3746

Delta R.T. -0.02 min

Lab File: BE095940.D

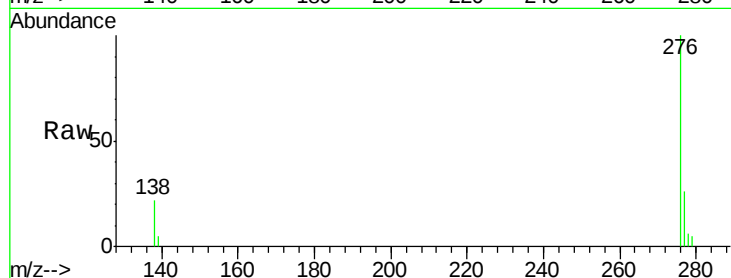
Acq: 4 Apr 2018 10:51

Instrument :

BNA_E

ClientSampleId :

PB107954BS



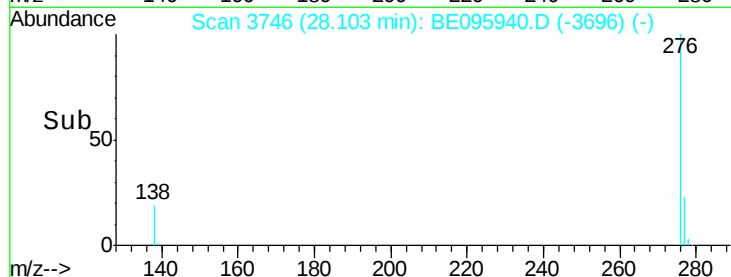
Tot Ion: 276 Resp: 6815

Ion Ratio Lower Upper

276 100

277 26.0 16.0 24.0#

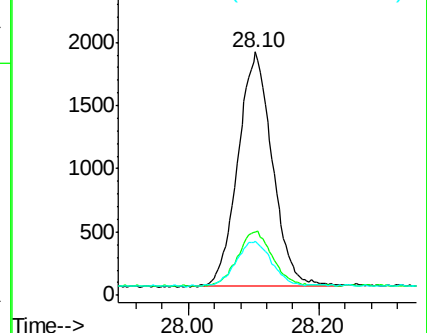
138 22.1 20.0 30.0



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



Data Path : Z:\HPCHEM1\BNA E\DATA\BE040418\
 Data File : BE095940.D
 Acq On : 4 Apr 2018 10:51
 Operator : SJ/JU
 Sample : PB107954BS
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB107954BS

Quant Time: Apr 05 02:46:39 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE032318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 23 12:41:11 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.41	152	1418	0.40	ng	-0.02
7) Naphthalene-d8	11.24	136	5112	0.40	ng	-0.01
13) Acenaphthene-d10	14.99	164	2549	0.40	ng	-0.01
19) Phenanthrene-d10	17.70	188	5515	0.40	ng	-0.01
27) Chrysene-d12	21.79	240	6413	0.40	ng	-0.01
34) Perylene-d12	24.42	264	6587	0.40	ng	-0.02

System Monitoring Compounds						
4) 2-Fluorophenol	5.91	112	1569	0.34	ng	0.00
5) Phenol-d6	7.56	99	2102	0.33	ng	0.00
8) Nitrobenzene-d5	9.59	82	2070	0.34	ng	0.00
11) 2-Methylnaphthalene-d10	12.79	152	2744	0.32	ng	-0.01
14) 2,4,6-Tribromophenol	16.46	330	370	0.25	ng	-0.01
15) 2-Fluorobiphenyl	13.63	172	3974	0.37	ng	-0.01
25) Fluoranthene-d10	19.68	212	25986	0.32	ng	0.00
29) Terphenyl-d14	20.24	244	4610	0.34	ng	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	3.64	88	707	0.305	ng	# 80
3) n-Nitrosodimethylamine	3.98	42	944	0.277	ng	# 85
6) bis(2-Chloroethyl)ether	7.81	93	1710	0.308	ng	97
9) Naphthalene	11.30	128	19196	0.329	ng	99
10) Hexachlorobutadiene	11.55	225	1295	0.323	ng	98
12) 2-Methylnaphthalene	12.86	142	3222	0.323	ng	98
16) Acenaphthylene	14.73	152	4680	0.321	ng	99
17) Acenaphthene	15.06	154	2770	0.312	ng	95
18) Fluorene	16.02	166	3467	0.296	ng	# 78
20) 4-Bromophenyl-phenylether	16.89	248	1057	0.319	ng	# 77
21) Hexachlorobenzene	17.02	284	1094	0.330	ng	# 82
22) Pentachlorophenol	17.36	266	571	0.588	ng	# 75
23) Phenanthrene	17.74	178	5451	0.330	ng	99
24) Anthracene	17.84	178	5356	0.324	ng	95
26) Fluoranthene	19.71	202	7138	0.311	ng	97
28) Pyrene	20.06	202	8417	0.322	ng	96
30) Benzo(a)anthracene	21.78	228	7465	0.336	ng	97
31) Chrysene	21.83	228	7137	0.352	ng	98
32) Bis(2-ethylhexyl)phthalate	21.65	149	18623	0.274	ng	99
33) Indeno(1,2,3-cd)pyrene	27.23	276	7969	0.364	ng	94
35) Benzo(b)fluoranthene	23.60	252	7317	0.336	ng	# 92
36) Benzo(k)fluoranthene	23.66	252	7224	0.331	ng	# 92
37) Benzo(a)pyrene	24.30	252	7062	0.346	ng	# 93
38) Dibenzo(a,h)anthracene	27.24	278	6465	0.333	ng	97
39) Benzo(g,h,i)perylene	28.10	276	6815	0.350	ng	# 91

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