

Data Path : Z:\HPCHEM1\BNA E\DATA\BE051217\
 Data File : BE093009.D
 Acq On : 12 May 2017 9:36
 Operator : SJ/MA
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC0.4

Quant Time: May 12 17:21:42 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE051117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 11 14:48:08 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.75	152	872	0.40	ng	-0.00
7) Naphthalene-d8	10.53	136	3671	0.40	ng	0.00
13) Acenaphthene-d10	14.39	164	1772	0.40	ng	0.00
19) Phenanthrene-d10	17.13	188	4925	0.40	ng	0.00
27) Chrysene-d12	21.28	240	5282	0.40	ng	0.00
34) Perylene-d12	23.69	264	4411	0.40	ng	-0.01

System Monitoring Compounds						
4) 2-Fluorophenol	5.35	112	935	0.39	ng	0.00
5) Phenol-d6	6.92	99	1263	0.42	ng	-0.02
8) Nitrobenzene-d5	8.88	82	1117	0.39	ng	-0.02
11) 2-Methylnaphthalene-d10	12.12	152	1881	0.36	ng	-0.02
14) 2,4,6-Tribromophenol	15.88	330	190	0.39	ng	0.00
15) 2-Fluorobiphenyl	13.01	172	2604	0.37	ng	0.00
25) Fluoranthene-d10	19.14	212	4375	0.34	ng	-0.02
29) Terphenyl-d14	19.74	244	3313	0.35	ng	0.00

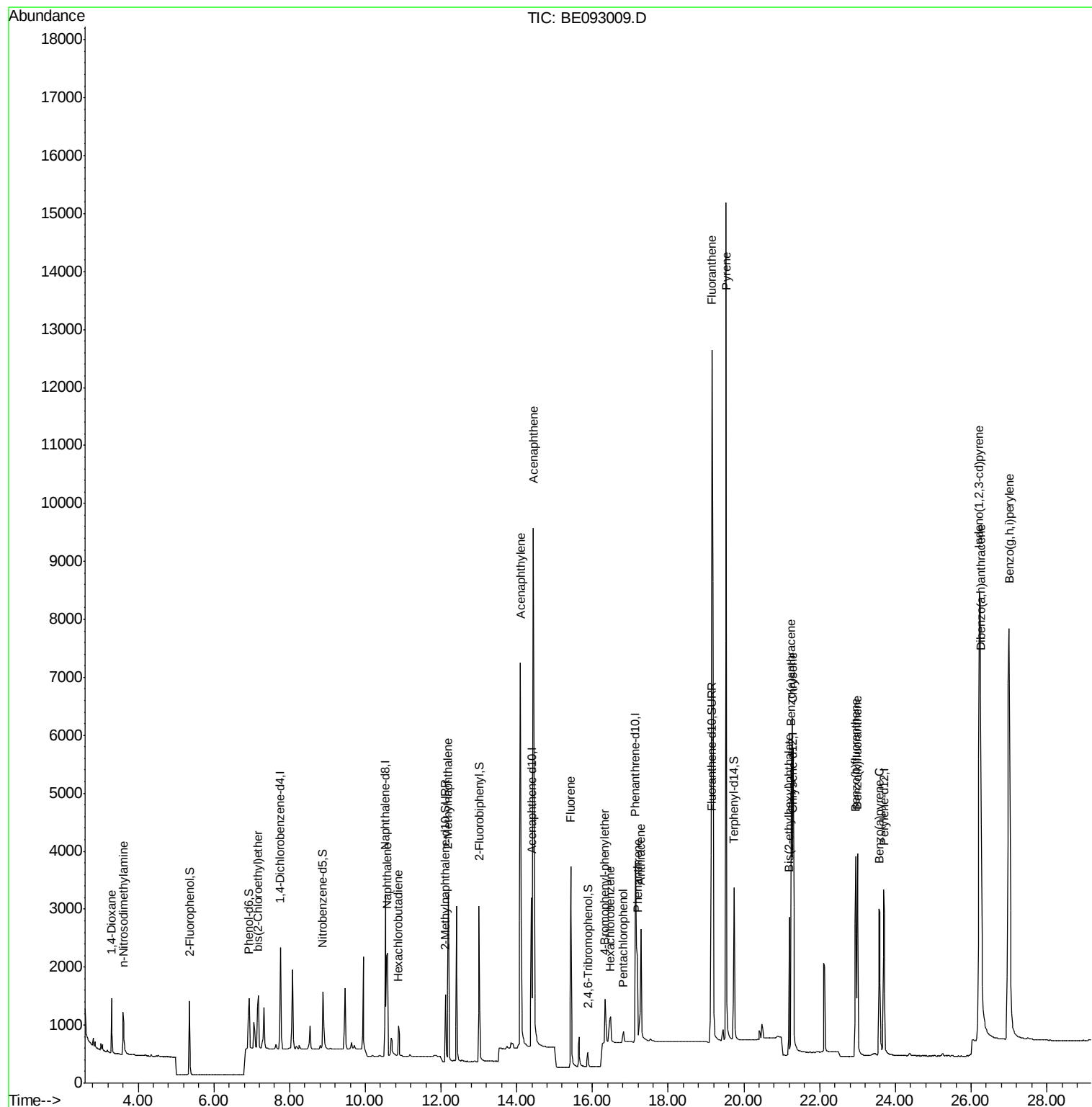
Target Compounds						Qvalue
2) 1,4-Dioxane	3.30	88	603	0.34	ng	99
3) n-Nitrosodimethylamine	3.60	42	540	0.36	ng	# 98
6) bis(2-Chloroethyl)ether	7.18	93	1034	0.35	ng	# 99
9) Naphthalene	10.58	128	3424	0.35	ng	99
10) Hexachlorobutadiene	10.87	225	467	0.35	ng	99
12) 2-Methylnaphthalene	12.19	142	2099	0.37	ng	96
16) Acenaphthylene	14.10	152	10643	0.35	ng	99
17) Acenaphthene	14.44	154	1930	0.35	ng	97
18) Fluorene	15.43	166	2429	0.36	ng	98
20) 4-Bromophenyl-phenylether	16.33	248	511	0.32	ng	# 1
21) Hexachlorobenzene	16.47	284	704	0.26	ng	# 100
22) Pentachlorophenol	16.82	266	235	0.45	ng	96
23) Phenanthrene	17.19	178	3604	0.31	ng	# 77
24) Anthracene	17.28	178	3240	0.32	ng	98
26) Fluoranthene	19.16	202	20619	0.33	ng	# 59
28) Pyrene	19.53	202	22790	0.34	ng	# 97
30) Benzo(a)anthracene	21.25	228	5255	0.40	ng	# 87
31) Chrysene	21.30	228	5522	0.34	ng	# 86
32) Bis(2-ethylhexyl)phthalate	21.20	149	2317	0.46	ng	95
33) Indeno(1,2,3-cd)pyrene	26.22	276	19871	0.38	ng	99
35) Benzo(b)fluoranthene	22.95	252	4902	0.34	ng	98
36) Benzo(k)fluoranthene	22.99	252	4750	0.33	ng	97
37) Benzo(a)pyrene	23.57	252	4469	0.36	ng	98
38) Dibenzo(a,h)anthracene	26.25	278	4146	0.37	ng	98
39) Benzo(g,h,i)perylene	27.00	276	18001	0.35	ng	99

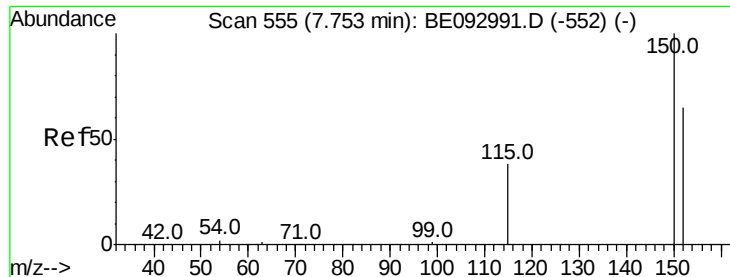
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.40 ng

RT: 7.75 min Scan# 555

Delta R.T. -0.02 min

Lab File: BE093009.D

Acq: 12 May 2017 9:36

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

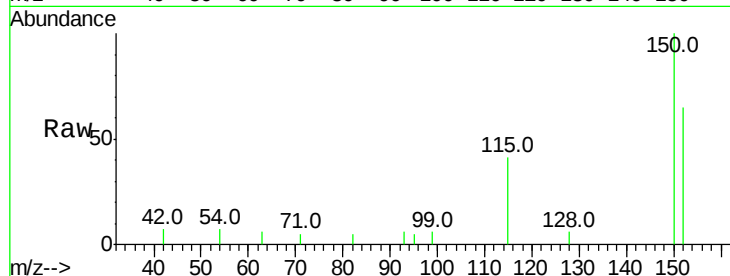
Tot Ion:152 Resp: 872

Ion Ratio Lower Upper

152 100

150 153.9 125.1 187.7

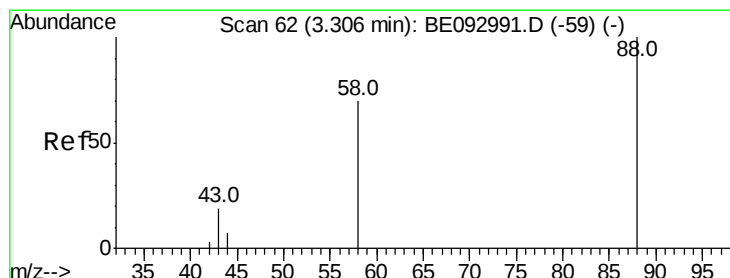
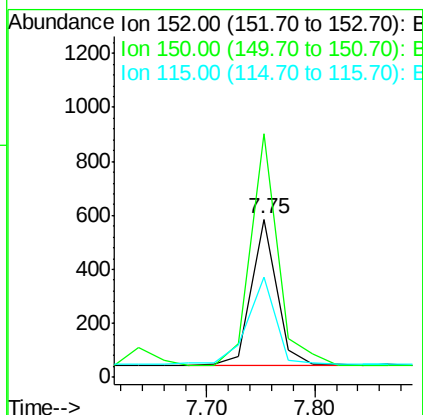
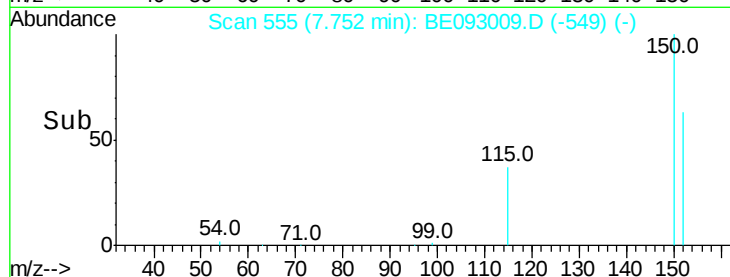
115 63.3 55.7 83.5



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: 0.34 ng

RT: 3.30 min Scan# 62

Delta R.T. -0.00 min

Lab File: BE093009.D

Acq: 12 May 2017 9:36

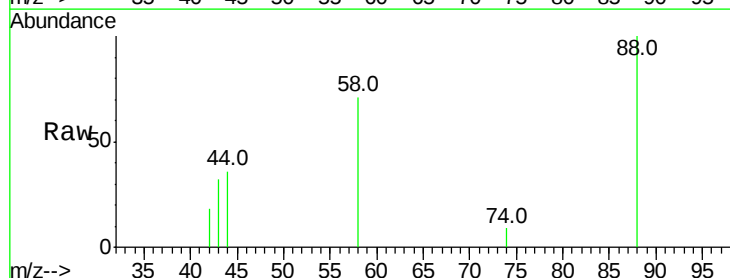
Tgt Ion: 88 Resp: 603

Ion Ratio Lower Upper

88 100

58 77.8 62.2 93.4

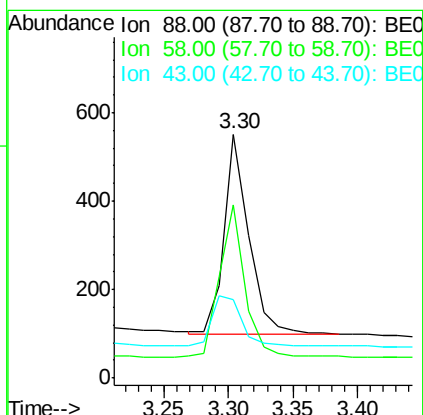
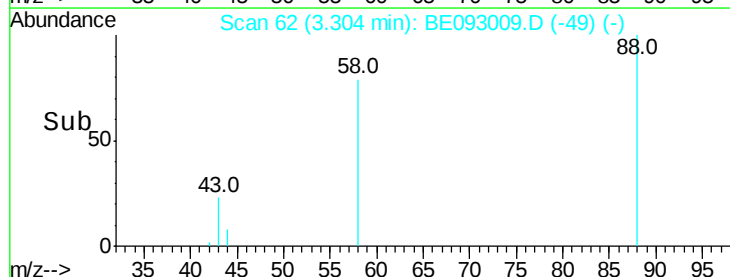
43 30.2 23.2 34.8

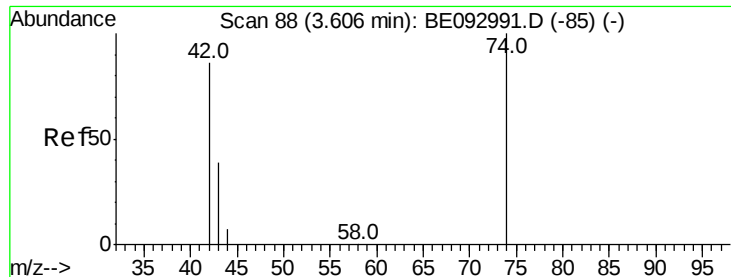


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.36 ng

RT: 3.60 min Scan# 88

Delta R.T. -0.00 min

Lab File: BE093009.D

Acq: 12 May 2017 9:36

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

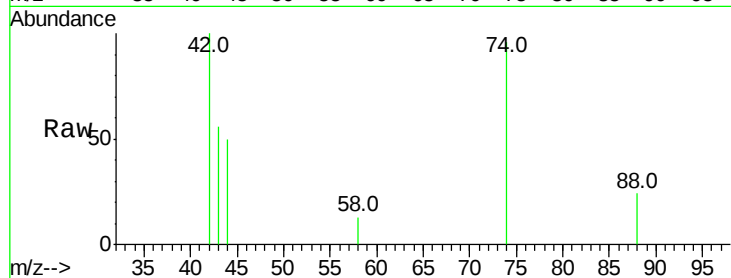
Tot Ion: 42 Resp: 540

Ion Ratio Lower Upper

42 100

74 126.3 99.1 148.7

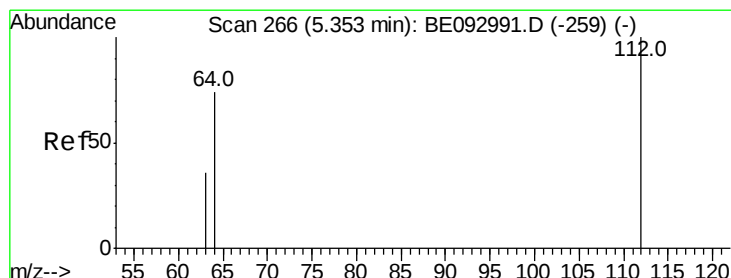
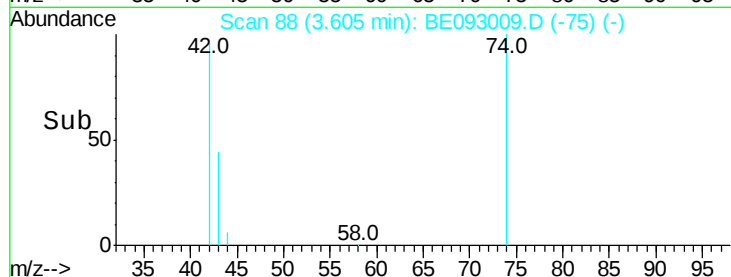
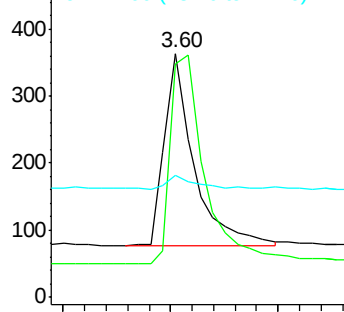
44 6.9 7.4 11.2#



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: 0.39 ng

RT: 5.35 min Scan# 266

Delta R.T. -0.01 min

Lab File: BE093009.D

Acq: 12 May 2017 9:36

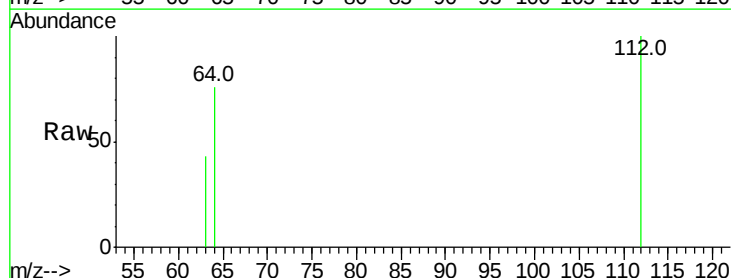
Tgt Ion: 112 Resp: 935

Ion Ratio Lower Upper

112 100

64 72.6 56.4 84.6

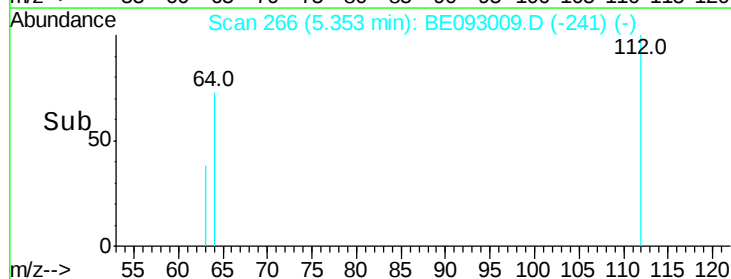
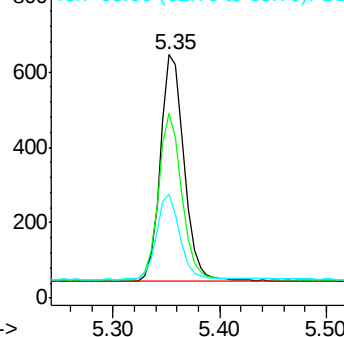
63 36.9 29.3 43.9

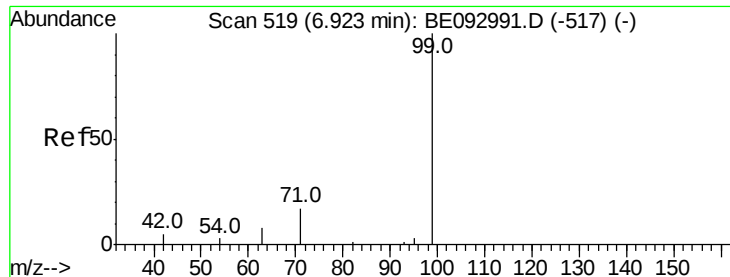


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.42 ng

RT: 6.92 min Scan# 519

Delta R.T. -0.02 min

Lab File: BE093009.D

Acq: 12 May 2017 9:36

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

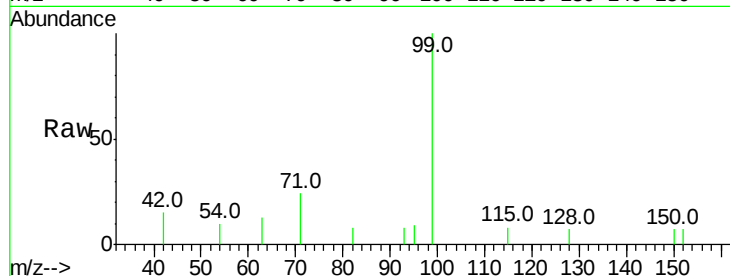
Tot Ion: 99 Resp: 1263

Ion Ratio Lower Upper

99 100

42 0.0 0.0 0.0

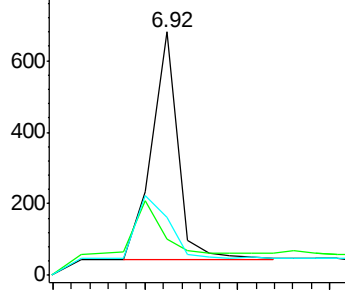
71 0.0 0.0 0.0



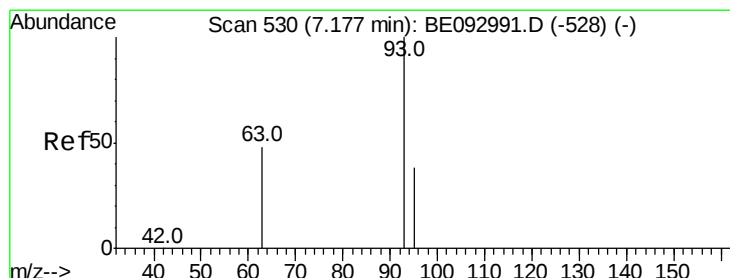
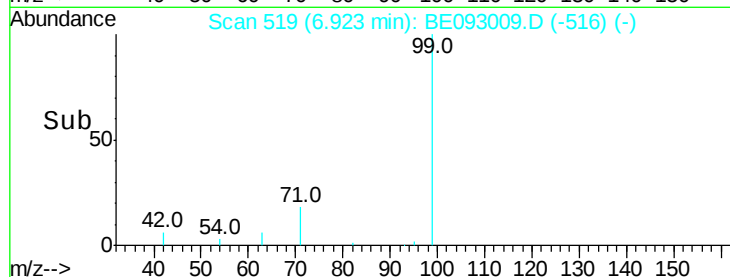
Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



Time--> 6.80 6.90 7.00



#6

bis(2-Chloroethyl)ether

Concen: 0.35 ng

RT: 7.18 min Scan# 530

Delta R.T. -0.02 min

Lab File: BE093009.D

Acq: 12 May 2017 9:36

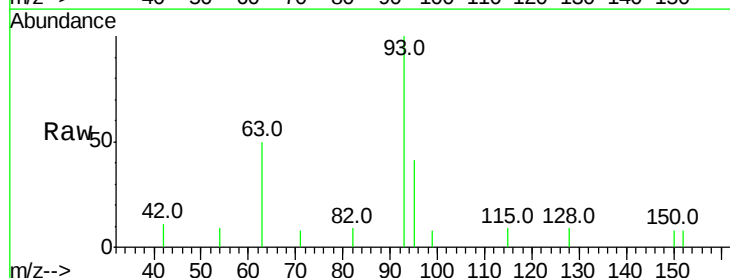
Tgt Ion: 93 Resp: 1034

Ion Ratio Lower Upper

93 100

63 0.0 0.0 0.0

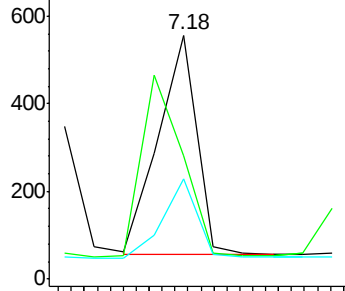
95 32.5 25.4 38.0



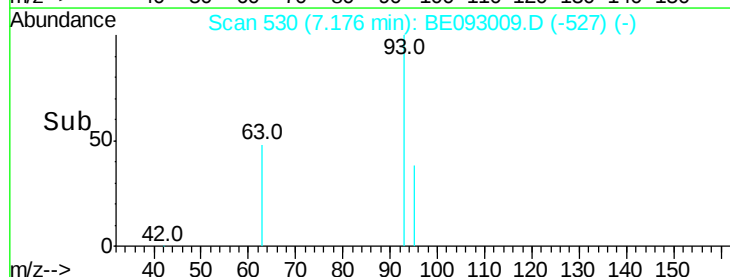
Abundance Ion 93.00 (92.70 to 93.70): BE0

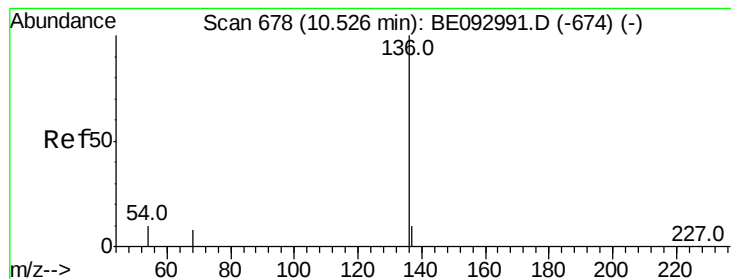
Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0



Time--> 7.10 7.15 7.20 7.25





#7

Naphthalene-d8

Concen: 0.40 ng

RT: 10.53 min Scan# 678

Delta R.T. -0.00 min

Lab File: BE093009.D

Acq: 12 May 2017 9:36

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

Tot Ion:136 Resp: 3671

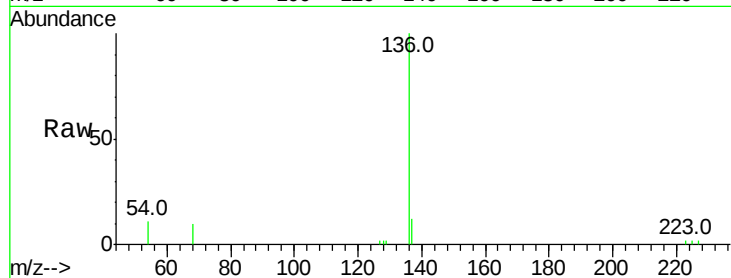
Ion Ratio Lower Upper

136 100

137 12.1 9.8 14.8

54 10.8 10.3 15.5

68 9.5 9.0 13.4

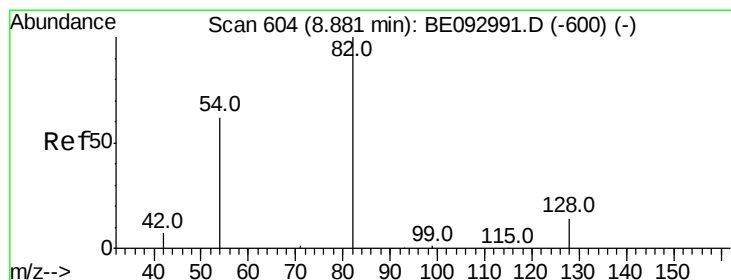
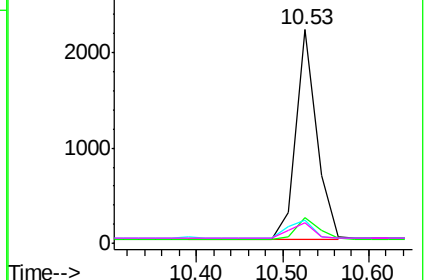
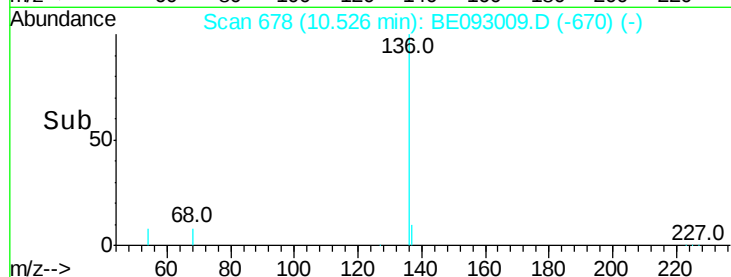


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.39 ng

RT: 8.88 min Scan# 604

Delta R.T. -0.02 min

Lab File: BE093009.D

Acq: 12 May 2017 9:36

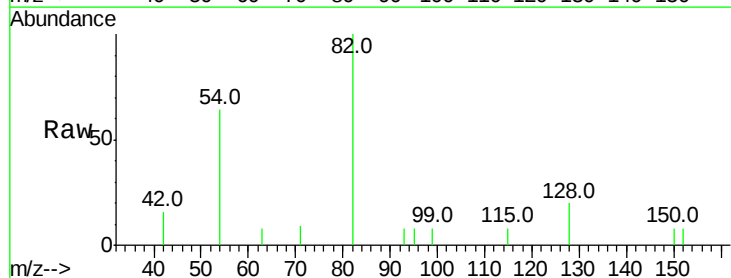
Tgt Ion: 82 Resp: 1117

Ion Ratio Lower Upper

82 100

128 20.4 17.0 25.4

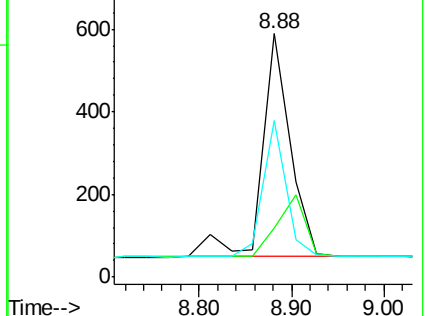
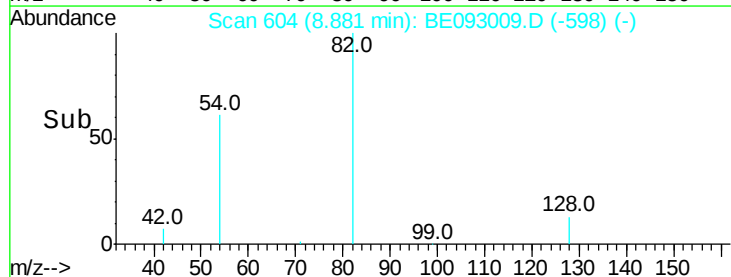
54 64.2 53.8 80.6

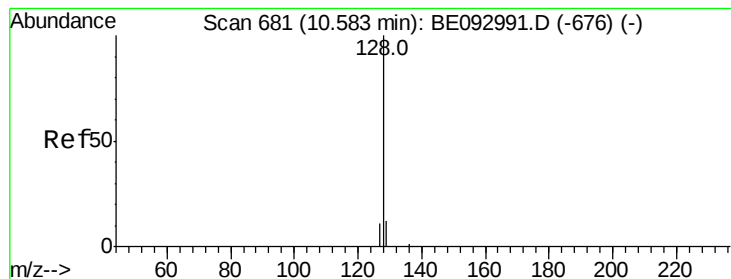


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.35 ng

RT: 10.58 min Scan# 681

Delta R.T. -0.00 min

Lab File: BE093009.D

Acq: 12 May 2017 9:36

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

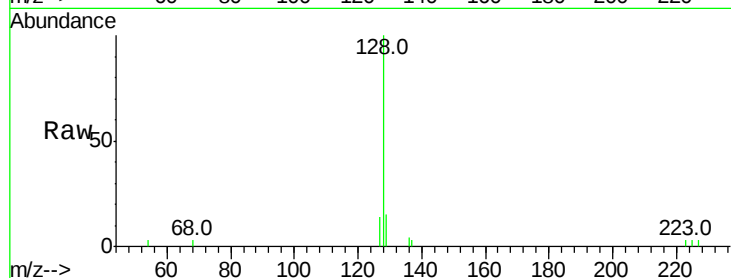
Tot Ion:128 Resp: 3424

Ion Ratio Lower Upper

128 100

129 15.1 11.4 17.0

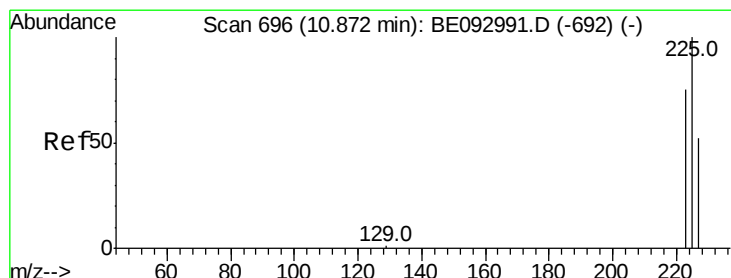
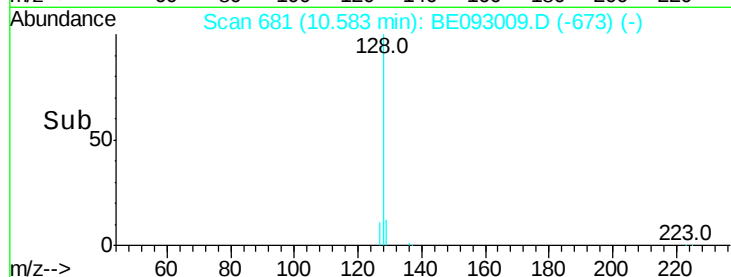
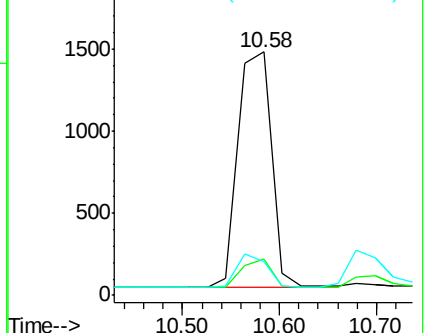
127 14.0 11.2 16.8



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: 0.35 ng

RT: 10.87 min Scan# 696

Delta R.T. -0.02 min

Lab File: BE093009.D

Acq: 12 May 2017 9:36

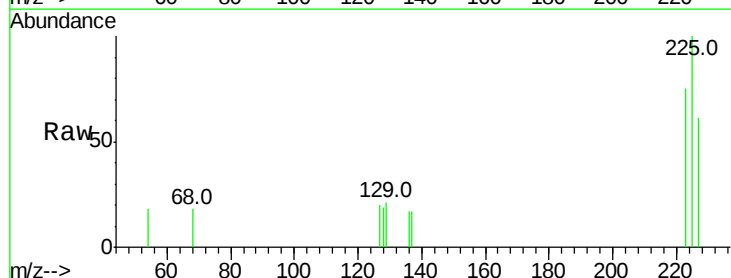
Tgt Ion:225 Resp: 467

Ion Ratio Lower Upper

225 100

223 63.6 49.7 74.5

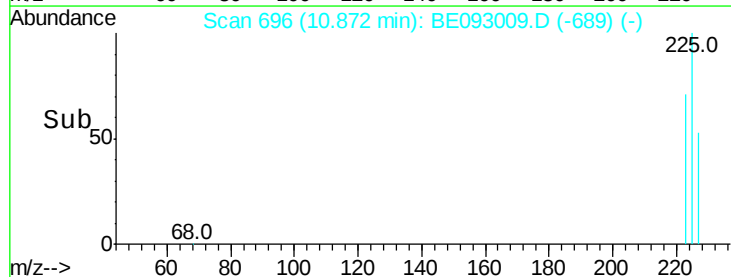
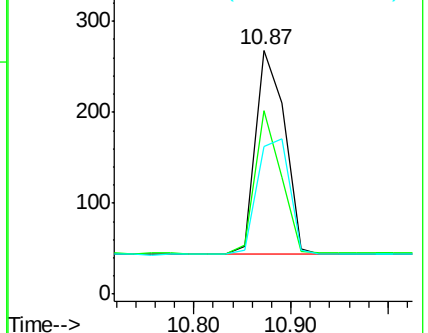
227 63.0 50.3 75.5

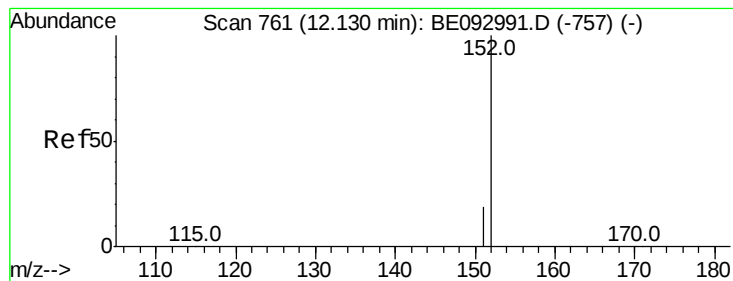


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.36 ng

RT: 12.12 min Scan# 760

Delta R.T. -0.02 min

Lab File: BE093009.D

Acq: 12 May 2017 9:36

Instrument :

BNA_E

ClientSampleId :

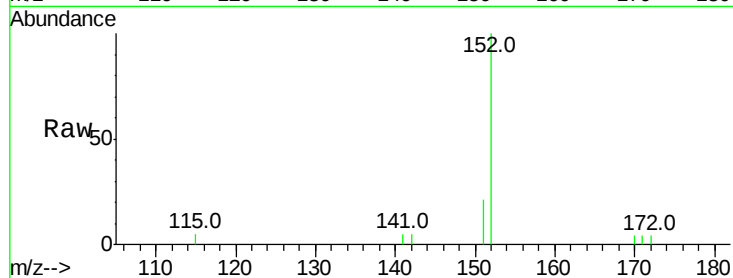
SSTDCCC0.4

Tot Ion:152 Resp: 1881

Ion Ratio Lower Upper

152 100

151 19.6 15.1 22.7



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

1200

1000

800

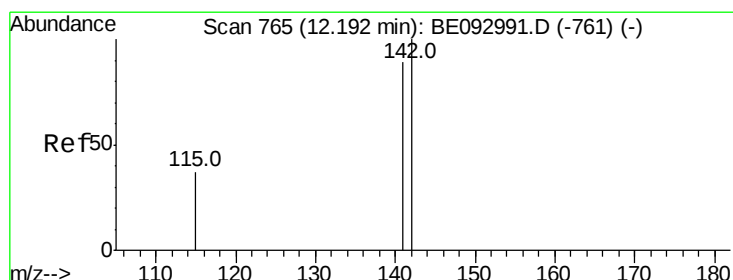
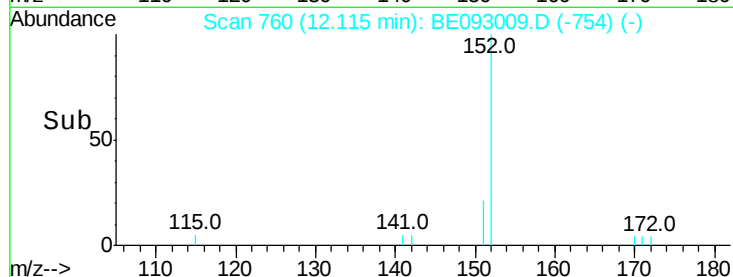
600

400

200

0

Time--> 12.00 12.10 12.20



#12

2-Methylnaphthalene

Concen: 0.37 ng

RT: 12.19 min Scan# 765

Delta R.T. -0.00 min

Lab File: BE093009.D

Acq: 12 May 2017 9:36

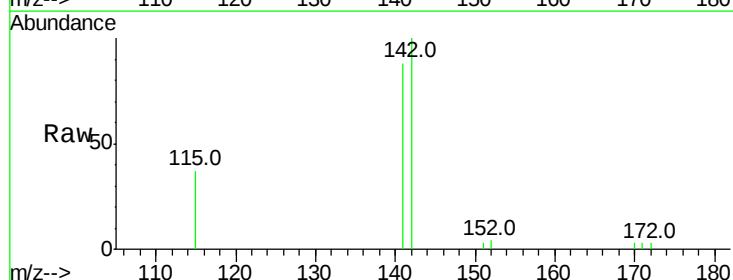
Tgt Ion:142 Resp: 2099

Ion Ratio Lower Upper

142 100

141 87.7 72.6 108.8

115 37.3 32.2 48.2



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

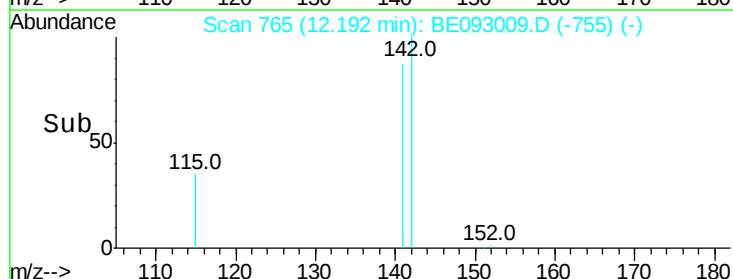
1500

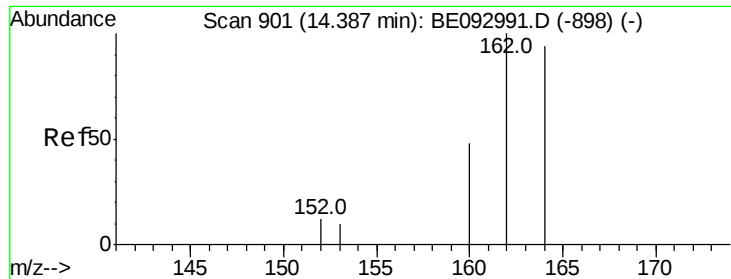
1000

500

0

Time--> 12.10 12.20 12.30





#13

Acenaphthene-d10

Concen: 0.40 ng

RT: 14.39 min Scan# 901

Delta R.T. -0.00 min

Lab File: BE093009.D

Acq: 12 May 2017 9:36

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

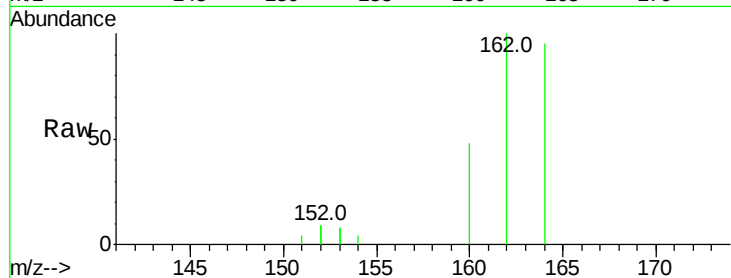
Tot Ion:164 Resp: 1772

Ion Ratio Lower Upper

164 100

162 104.9 84.6 127.0

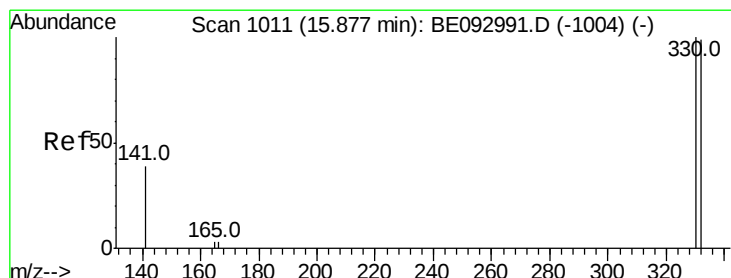
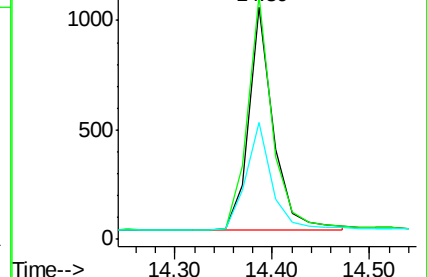
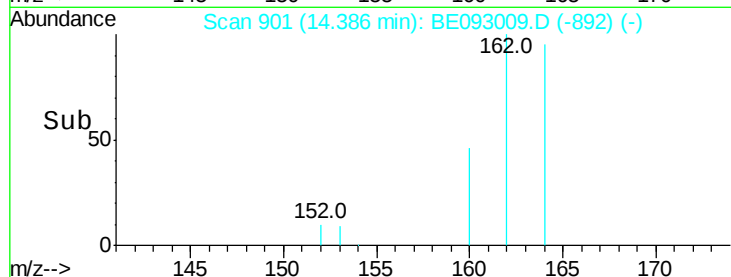
160 50.2 41.8 62.6



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: 0.39 ng

RT: 15.88 min Scan# 1011

Delta R.T. 0.00 min

Lab File: BE093009.D

Acq: 12 May 2017 9:36

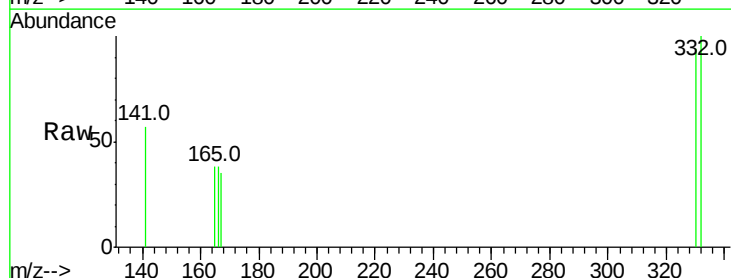
Tgt Ion:330 Resp: 190

Ion Ratio Lower Upper

330 100

332 98.9 77.7 116.5

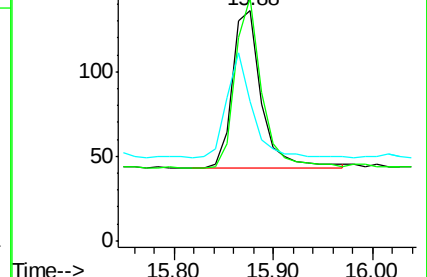
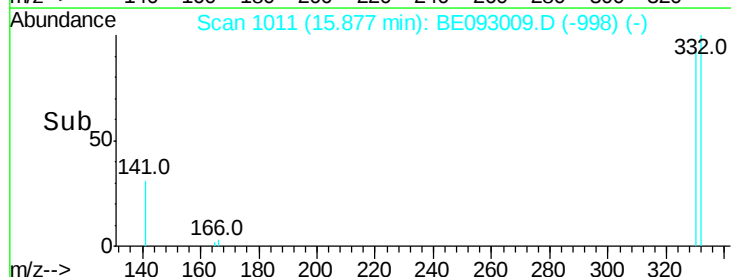
141 58.9 56.2 84.4

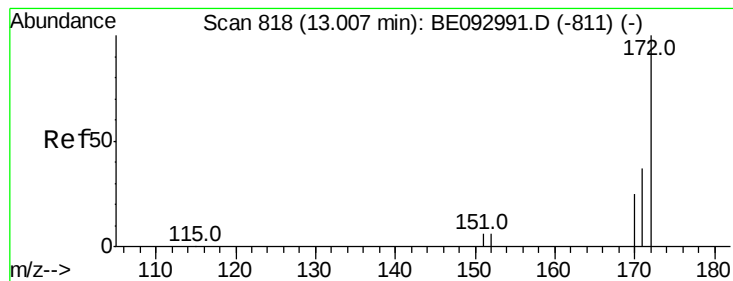


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.37 ng

RT: 13.01 min Scan# 818

Delta R.T. -0.00 min

Lab File: BE093009.D

Acq: 12 May 2017 9:36

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

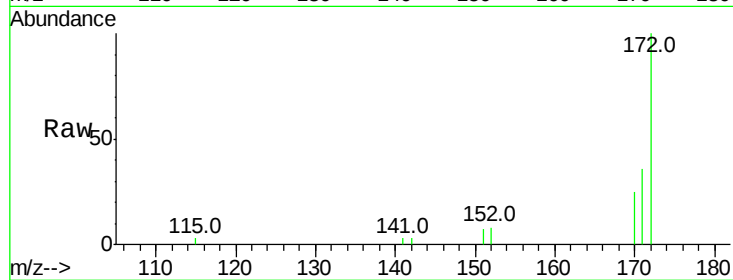
Tot Ion:172 Resp: 2604

Ion Ratio Lower Upper

172 100

171 36.3 29.8 44.6

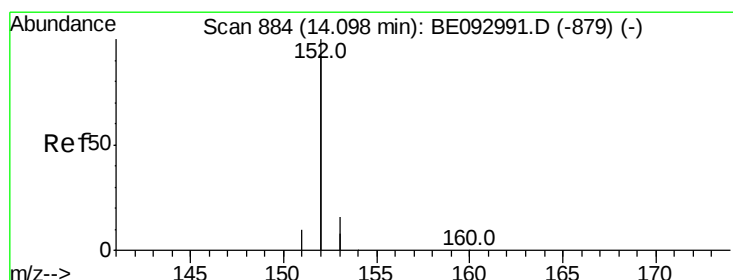
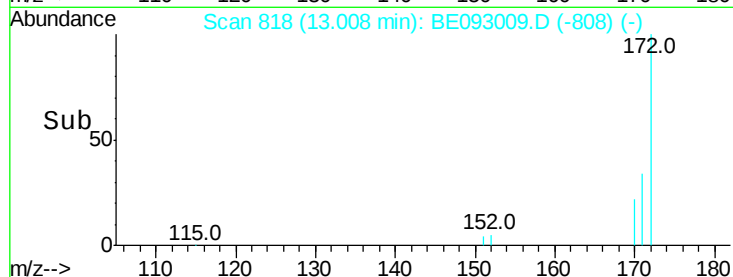
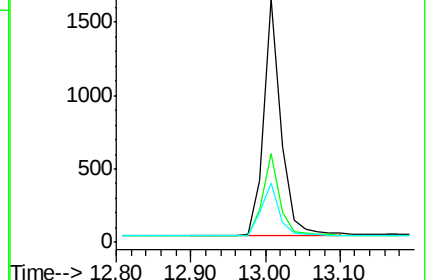
170 24.5 20.7 31.1



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#16

Acenaphthylene

Concen: 0.35 ng

RT: 14.10 min Scan# 884

Delta R.T. -0.00 min

Lab File: BE093009.D

Acq: 12 May 2017 9:36

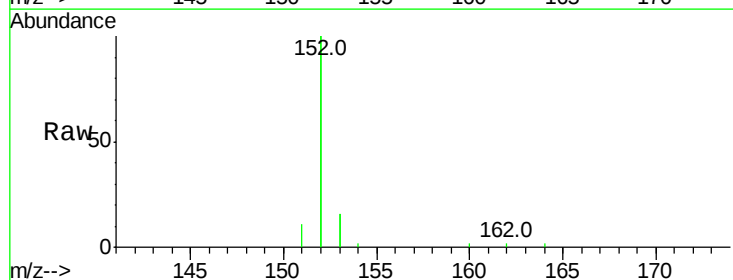
Tgt Ion:152 Resp: 10643

Ion Ratio Lower Upper

152 100

151 4.9 4.0 6.0

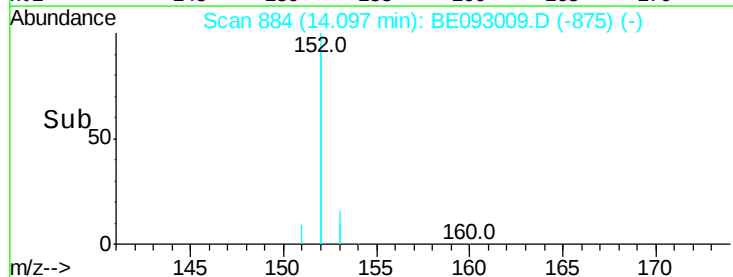
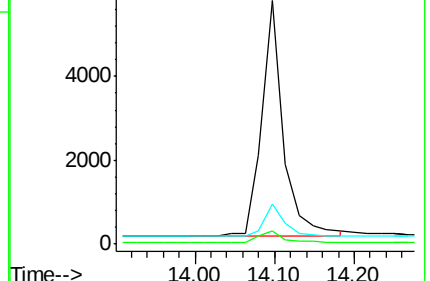
153 13.3 10.3 15.5

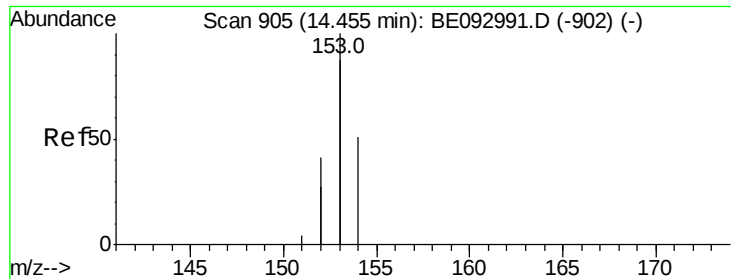


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

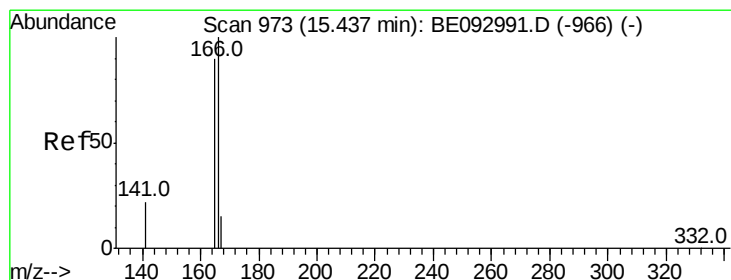
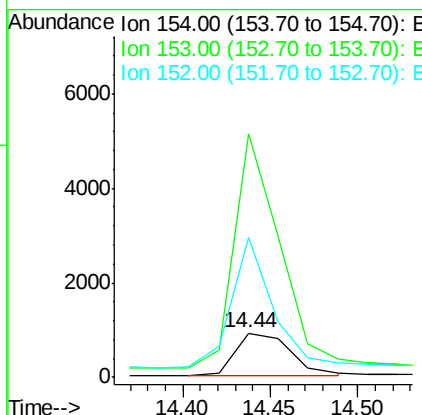
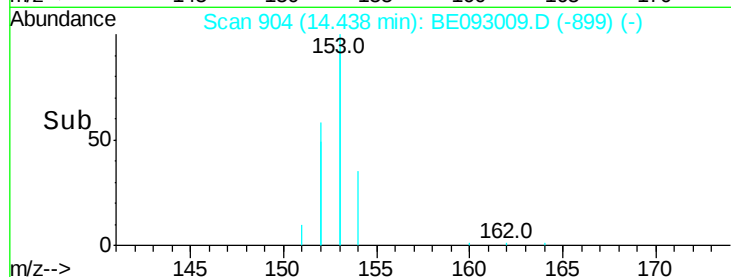
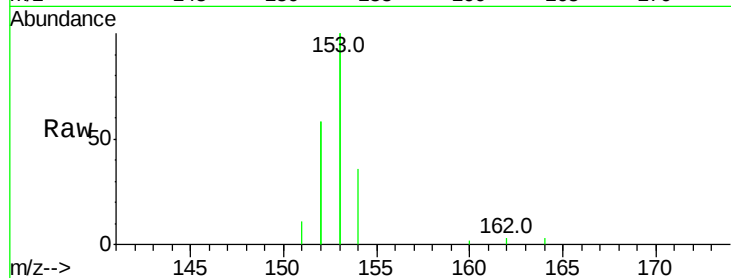




#17
Acenaphthene
Concen: 0.35 ng
RT: 14.44 min Scan# 904
Delta R.T. -0.02 min
Lab File: BE093009.D
Acq: 12 May 2017 9:36

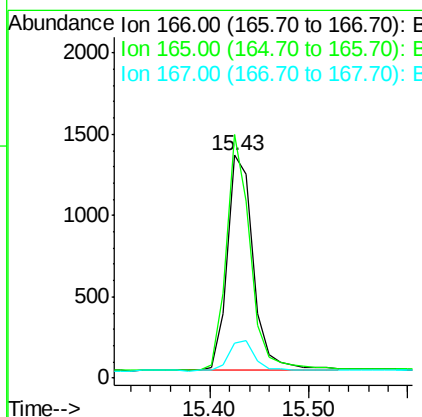
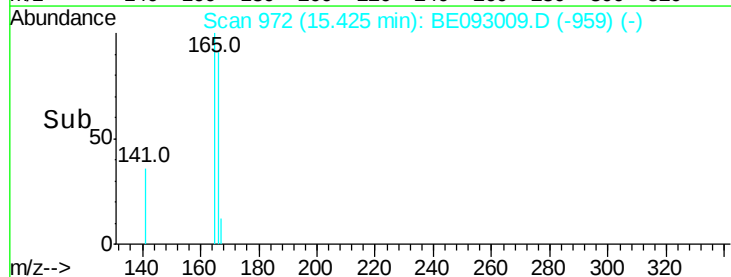
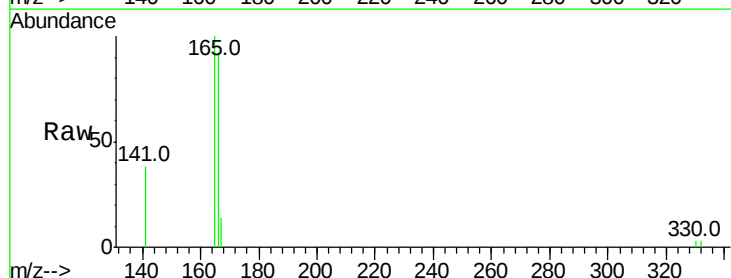
Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

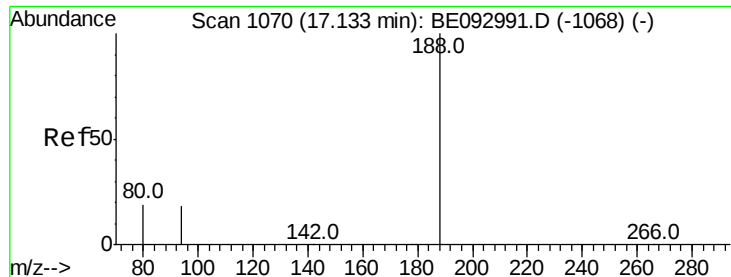
Tot Ion:154 Resp: 1930
Ion Ratio Lower Upper
154 100
153 470.5 367.8 551.6
152 237.8 188.2 282.2



#18
Fluorene
Concen: 0.36 ng
RT: 15.43 min Scan# 972
Delta R.T. 0.00 min
Lab File: BE093009.D
Acq: 12 May 2017 9:36

Tgt Ion:166 Resp: 2429
Ion Ratio Lower Upper
166 100
165 100.4 78.6 117.8
167 14.3 11.1 16.7





#19

Phenanthrene-d10

Concen: 0.40 ng

RT: 17.13 min Scan# 1070

Delta R.T. 0.00 min

Lab File: BE093009.D

Acq: 12 May 2017 9:36

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

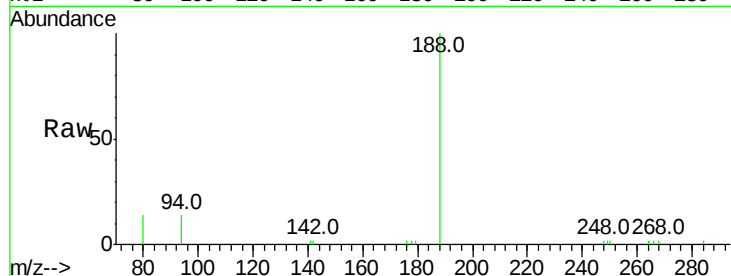
Tot Ion:188 Resp: 4925

Ion Ratio Lower Upper

188 100

94 14.2 11.3 16.9

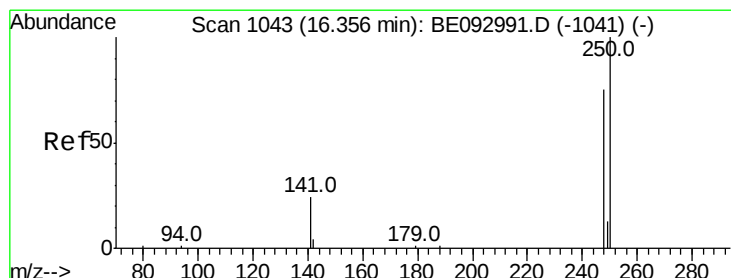
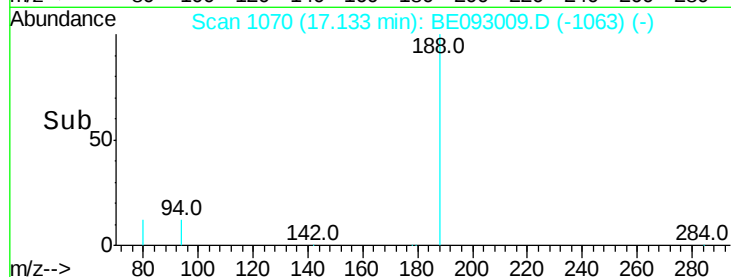
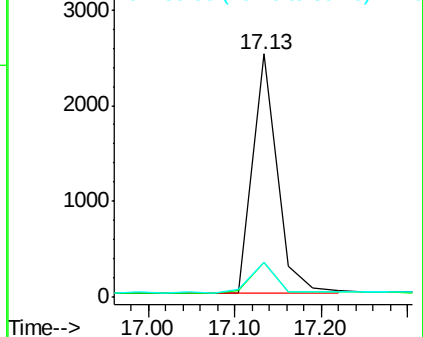
80 14.2 11.7 17.5



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: 0.32 ng

RT: 16.33 min Scan# 1042

Delta R.T. -0.03 min

Lab File: BE093009.D

Acq: 12 May 2017 9:36

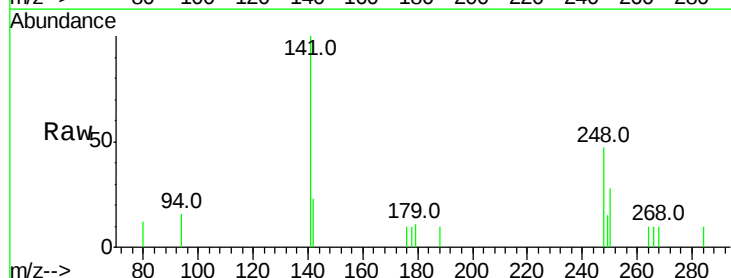
Tgt Ion:248 Resp: 511

Ion Ratio Lower Upper

248 100

250 60.2 100.0 150.0#

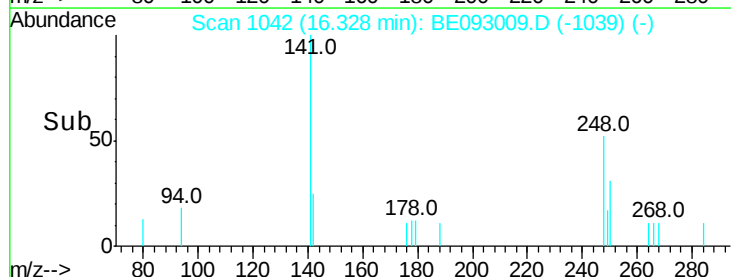
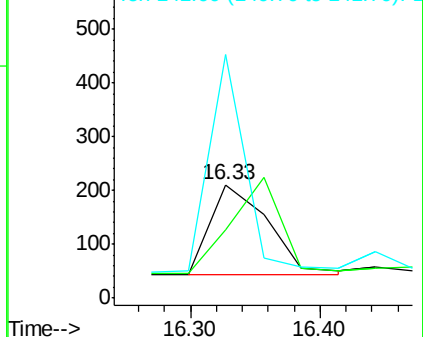
141 214.7 40.0 60.0#

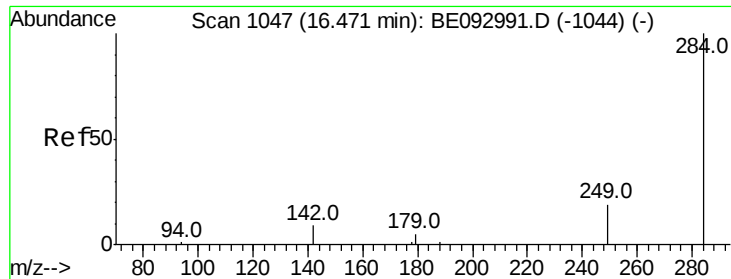


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

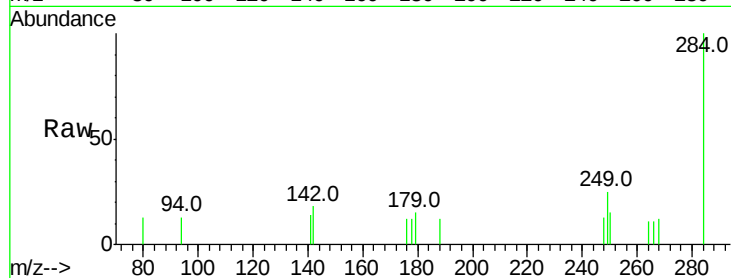




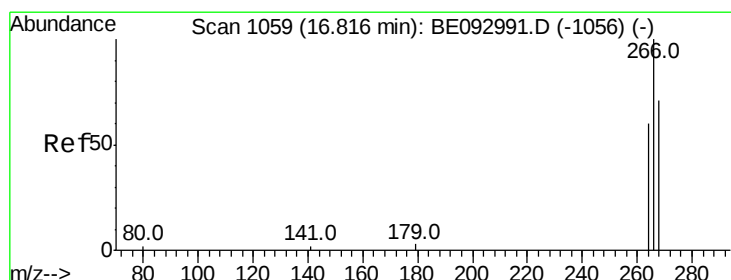
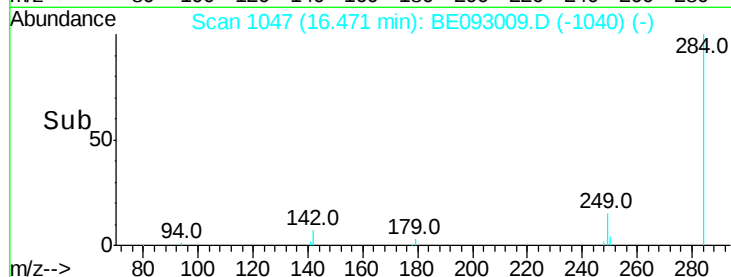
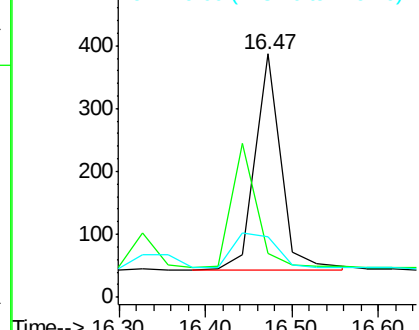
#21
Hexachlorobenzene
Concen: 0.26 ng
RT: 16.47 min Scan# 1047
Delta R.T. 0.01 min
Lab File: BE093009.D
Acq: 12 May 2017 9:36

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tot Ion:284 Resp: 704
Ion Ratio Lower Upper
284 100
142 0.0 0.0 0.0
249 0.0 0.0 0.0

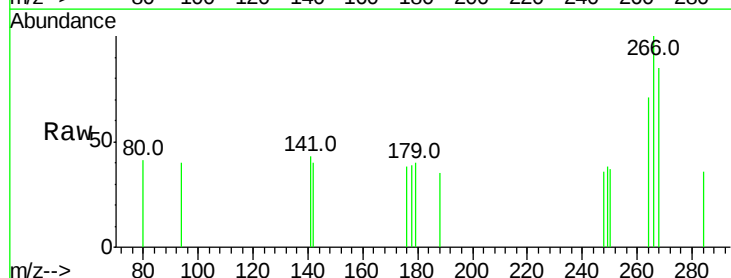


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

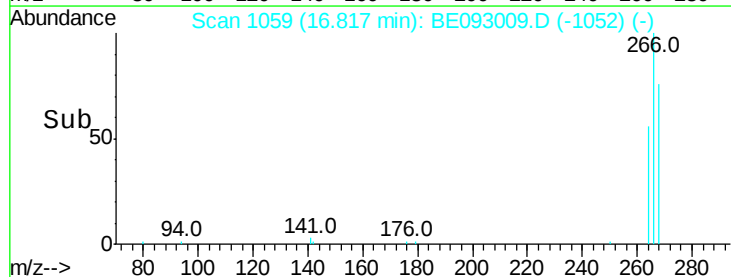
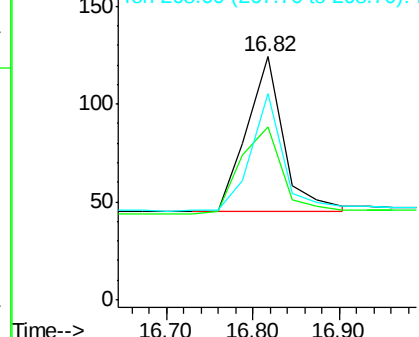


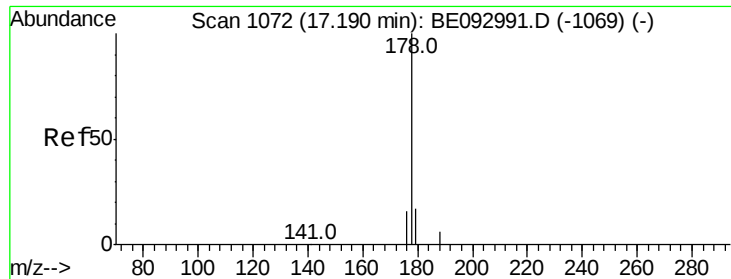
#22
Pentachlorophenol
Concen: 0.45 ng
RT: 16.82 min Scan# 1059
Delta R.T. 0.01 min
Lab File: BE093009.D
Acq: 12 May 2017 9:36

Tgt Ion:266 Resp: 235
Ion Ratio Lower Upper
266 100
264 71.0 58.2 87.2
268 84.7 71.9 107.9



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: 0.31 ng

RT: 17.19 min Scan# 1072

Delta R.T. 0.01 min

Lab File: BE093009.D

Acq: 12 May 2017 9:36

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

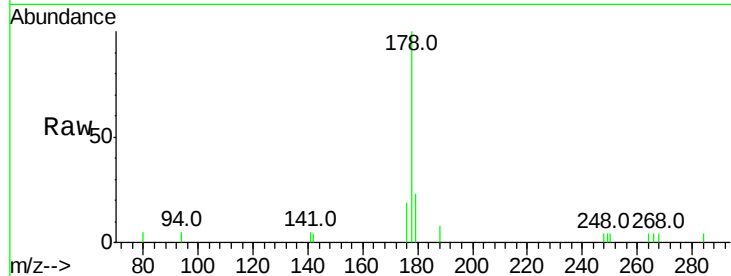
Tot Ion:178 Resp: 3604

Ion Ratio Lower Upper

178 100

176 0.0 15.0 22.4#

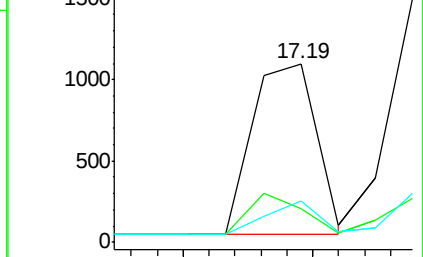
179 16.2 12.7 19.1



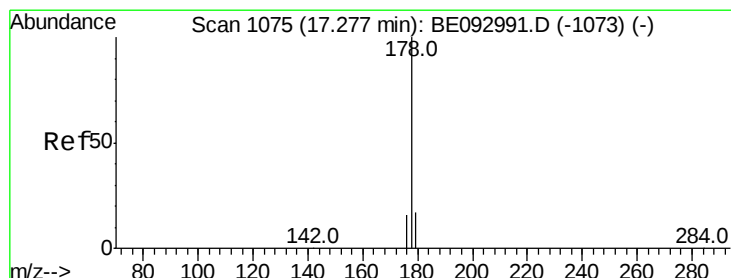
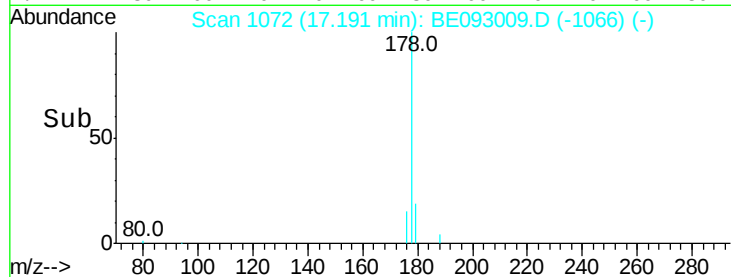
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#24

Anthracene

Concen: 0.32 ng

RT: 17.28 min Scan# 1075

Delta R.T. 0.00 min

Lab File: BE093009.D

Acq: 12 May 2017 9:36

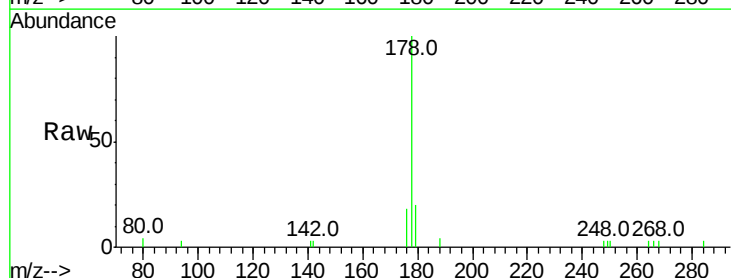
Tgt Ion:178 Resp: 3240

Ion Ratio Lower Upper

178 100

176 17.7 14.6 22.0

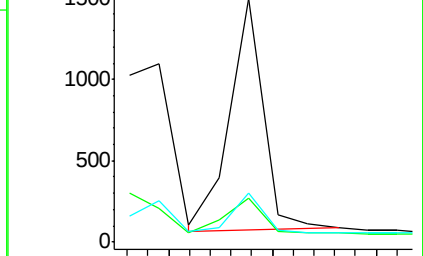
179 16.5 12.0 18.0



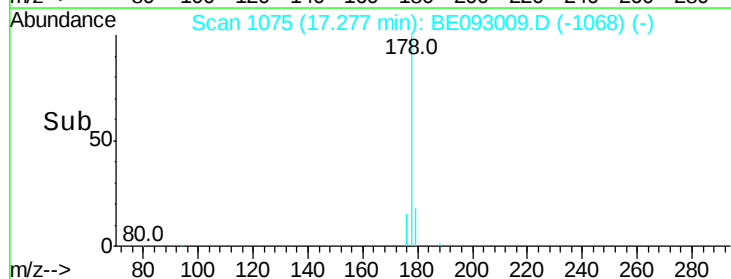
Abundance Ion 178.00 (177.70 to 178.70): E

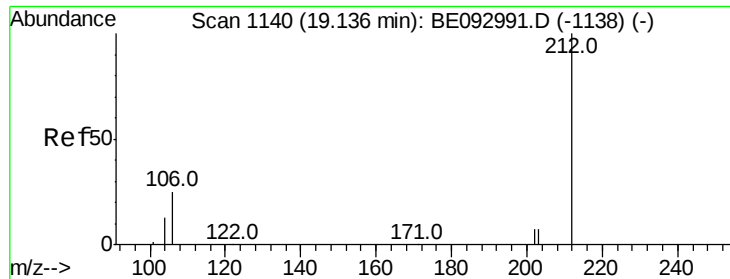
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->





#25

Fluoranthene-d10

Concen: 0.34 ng

RT: 19.14 min Scan# 1140

Delta R.T. -0.02 min

Lab File: BE093009.D

Acq: 12 May 2017 9:36

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

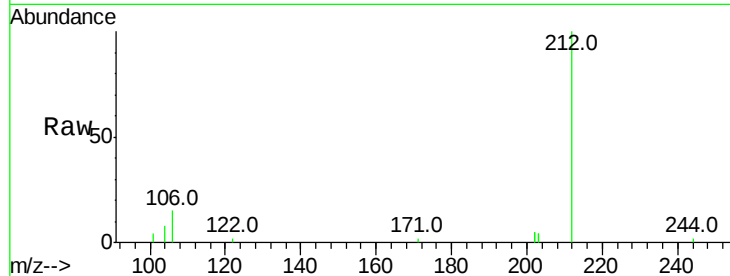
Tot Ion:212 Resp: 4375

Ion Ratio Lower Upper

212 100

106 15.4 0.0 0.0#

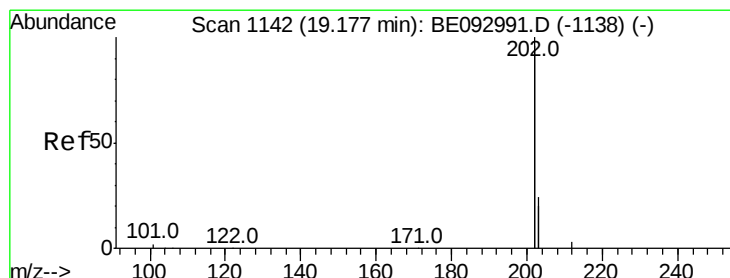
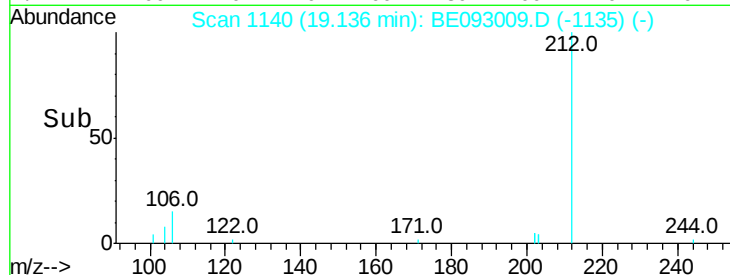
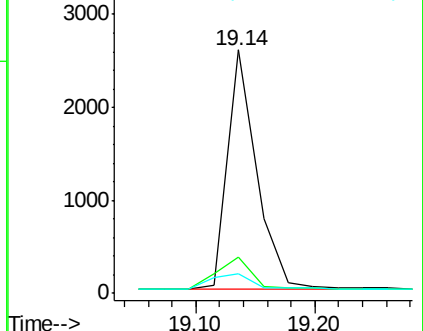
104 8.6 0.0 0.0#



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: 0.33 ng

RT: 19.16 min Scan# 1141

Delta R.T. -0.02 min

Lab File: BE093009.D

Acq: 12 May 2017 9:36

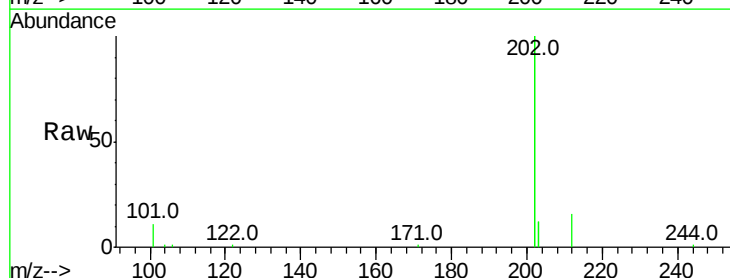
Tgt Ion:202 Resp: 20619

Ion Ratio Lower Upper

202 100

101 3.7 0.0 0.0#

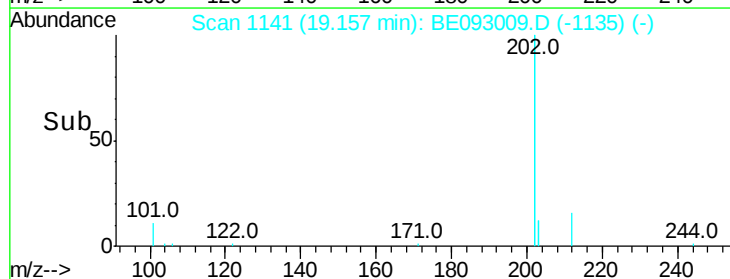
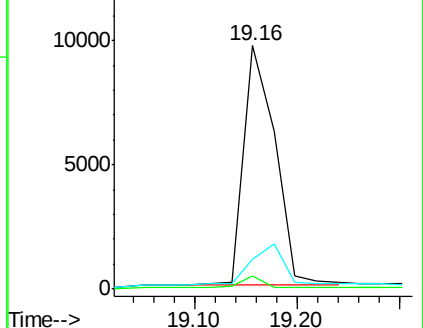
203 0.0 14.4 21.6#

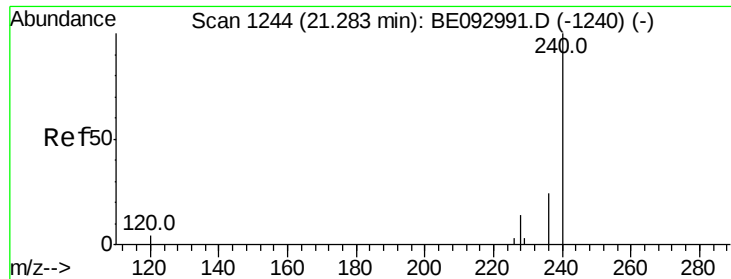


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

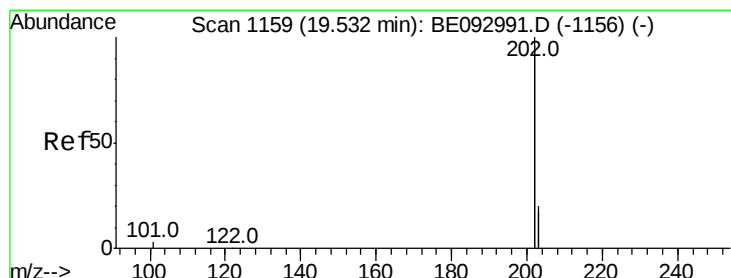
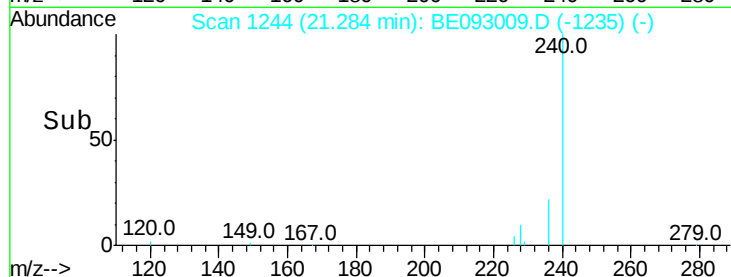
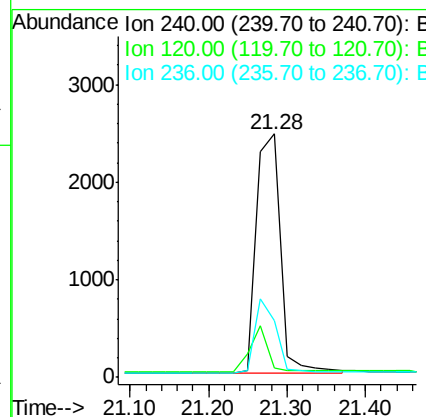
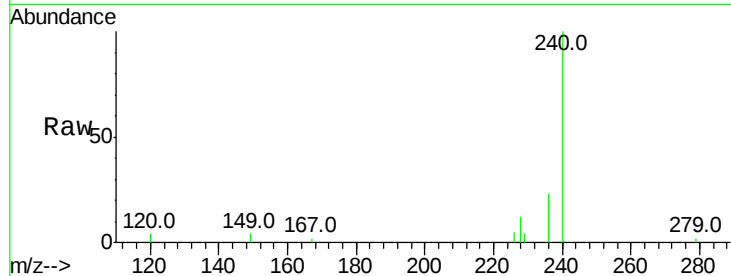




#27
Chrysene-d12
Concen: 0.40 ng
RT: 21.28 min Scan# 1244
Delta R.T. 0.00 min
Lab File: BE093009.D
Acq: 12 May 2017 9:36

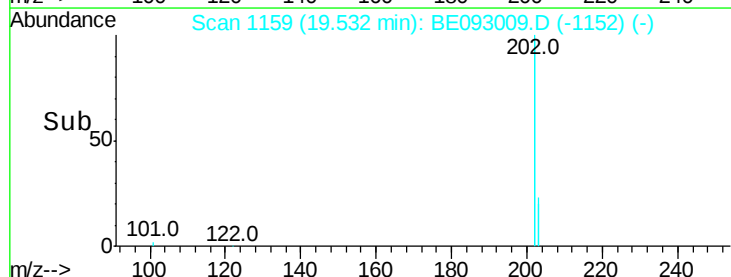
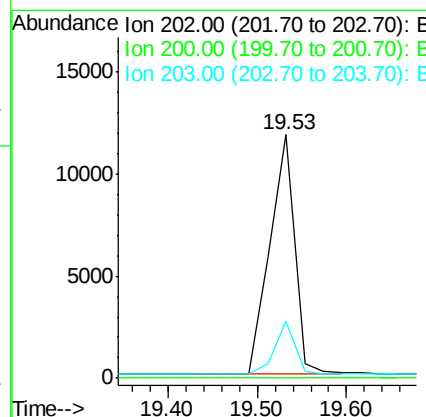
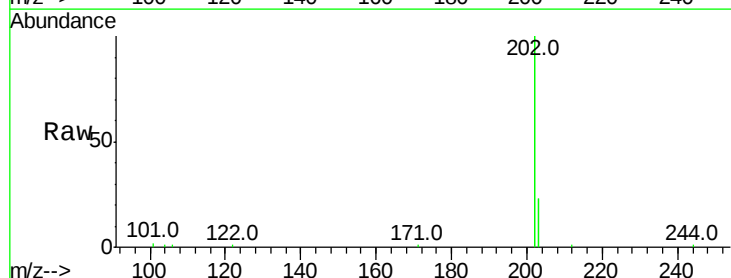
Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

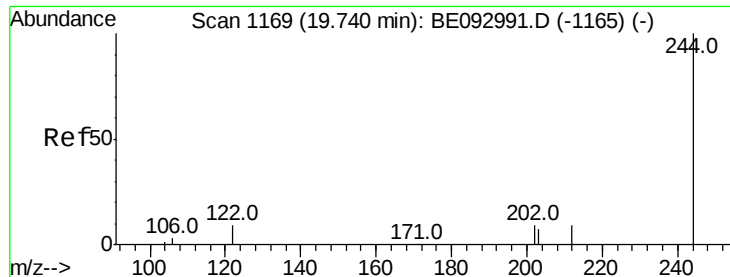
Tot Ion:240 Resp: 5282
Ion Ratio Lower Upper
240 100
120 4.1 4.6 7.0#
236 23.1 20.8 31.2



#28
Pyrene
Concen: 0.34 ng
RT: 19.53 min Scan# 1159
Delta R.T. 0.01 min
Lab File: BE093009.D
Acq: 12 May 2017 9:36

Tgt Ion:202 Resp: 22790
Ion Ratio Lower Upper
202 100
200 0.0 0.0 0.0
203 18.3 13.7 20.5





#29

Terphenyl-d14

Concen: 0.35 ng

RT: 19.74 min Scan# 1169

Delta R.T. 0.01 min

Lab File: BE093009.D

Acq: 12 May 2017 9:36

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

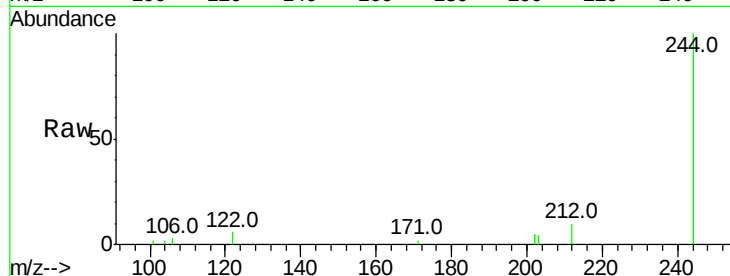
Tot Ion:244 Resp: 3313

Ion Ratio Lower Upper

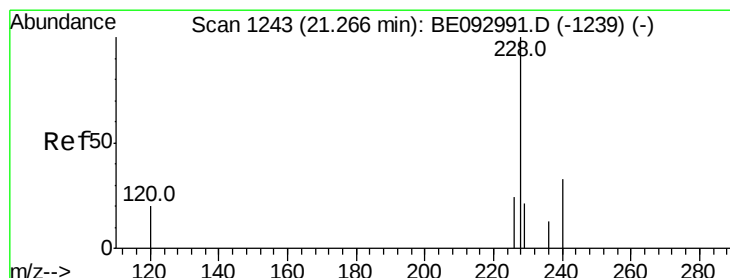
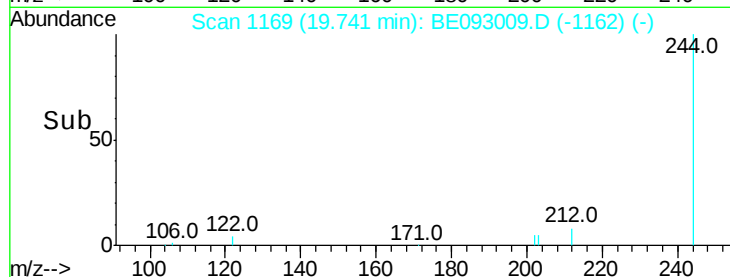
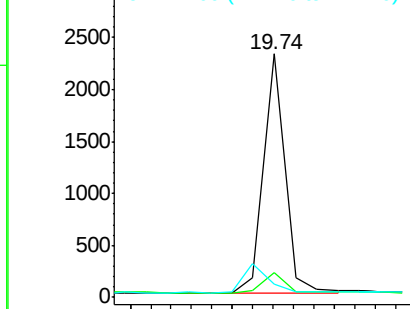
244 100

212 9.9 10.6 16.0#

122 5.7 15.4 23.0#



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: 0.40 ng

RT: 21.25 min Scan# 1242

Delta R.T. -0.02 min

Lab File: BE093009.D

Acq: 12 May 2017 9:36

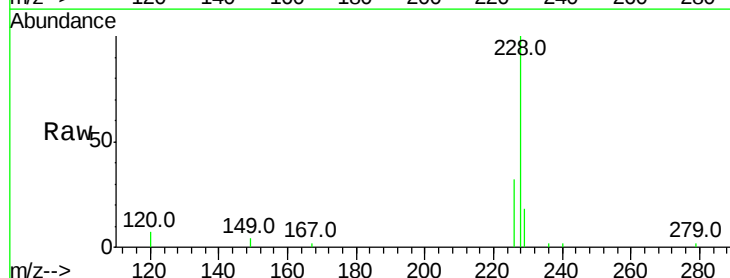
Tgt Ion:228 Resp: 5255

Ion Ratio Lower Upper

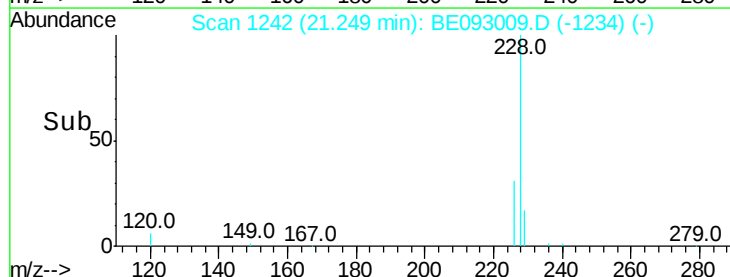
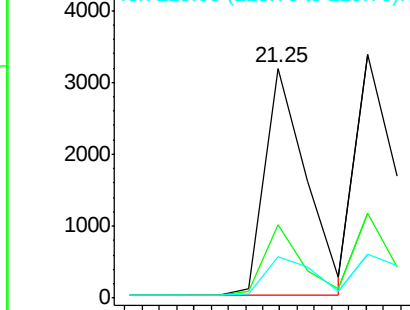
228 100

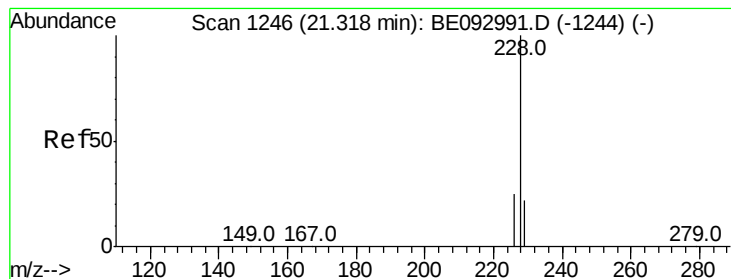
226 31.9 19.7 29.5#

229 18.0 19.2 28.8#



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.34 ng

RT: 21.30 min Scan# 1245

Delta R.T. -0.02 min

Lab File: BE093009.D

Acq: 12 May 2017 9:36

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

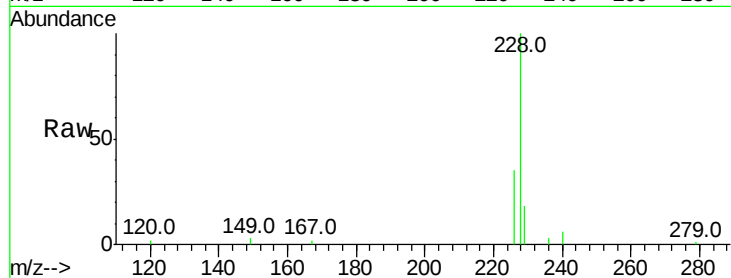
Tot Ion:228 Resp: 5522

Ion Ratio Lower Upper

228 100

226 35.0 21.5 32.3#

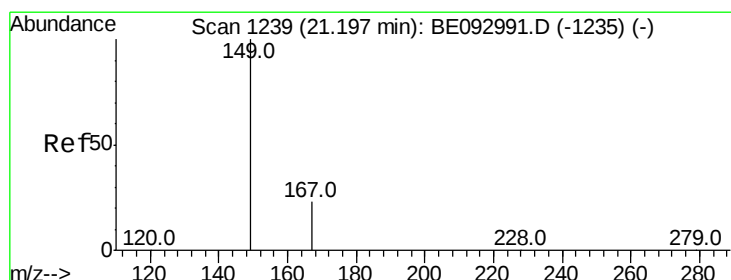
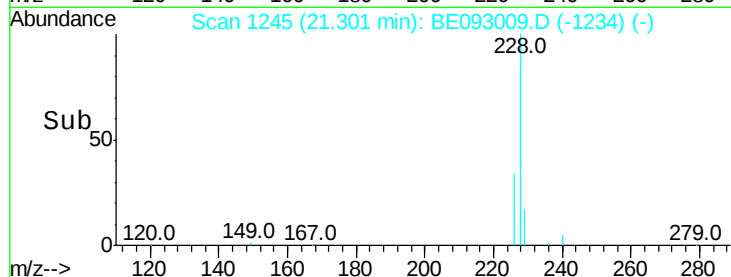
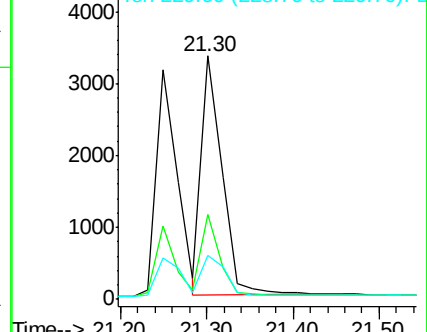
229 17.9 18.6 28.0#



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: 0.46 ng

RT: 21.20 min Scan# 1239

Delta R.T. 0.00 min

Lab File: BE093009.D

Acq: 12 May 2017 9:36

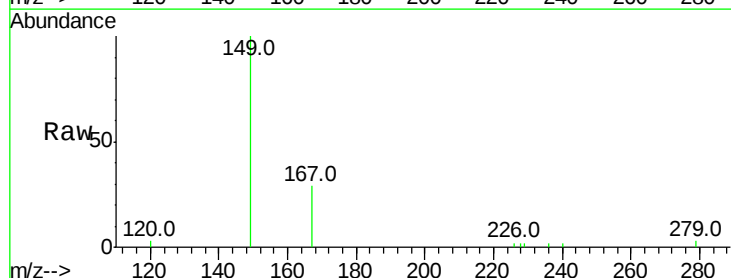
Tgt Ion:149 Resp: 2317

Ion Ratio Lower Upper

149 100

167 27.6 20.1 30.1

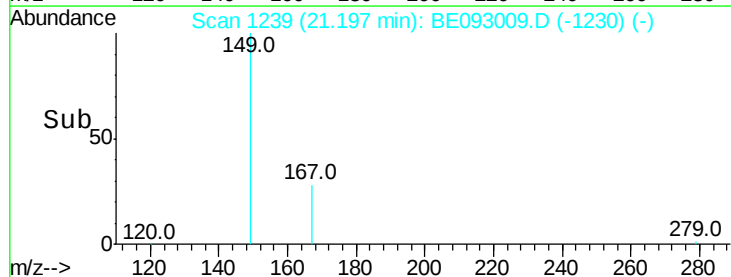
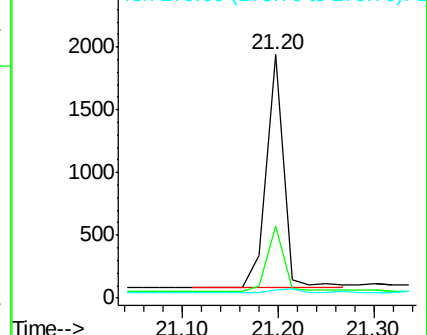
279 2.5 2.2 3.4

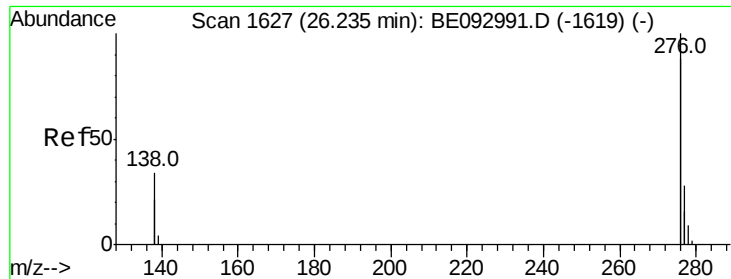


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.38 ng

RT: 26.22 min Scan# 1626

Delta R.T. -0.02 min

Lab File: BE093009.D

Acq: 12 May 2017 9:36

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

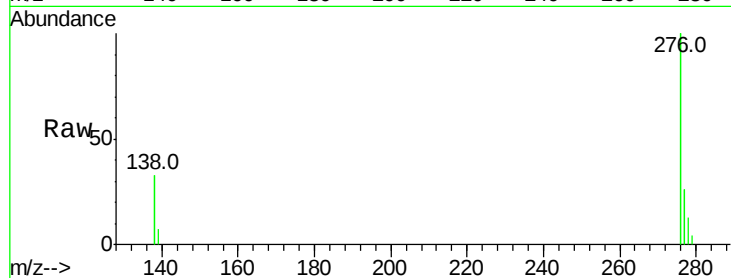
Tot Ion:276 Resp: 19871

Ion Ratio Lower Upper

276 100

138 33.1 27.4 41.2

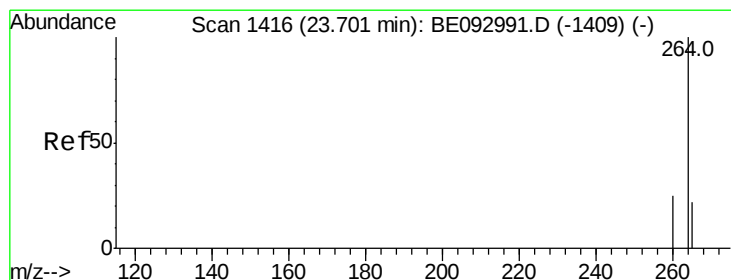
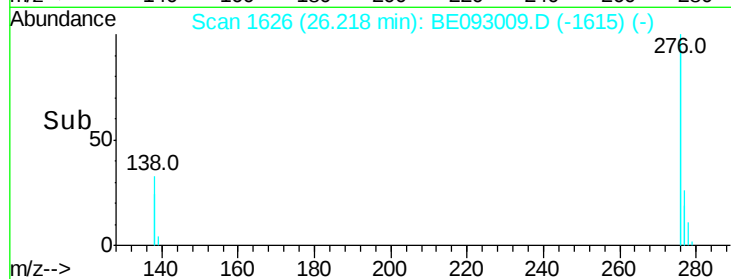
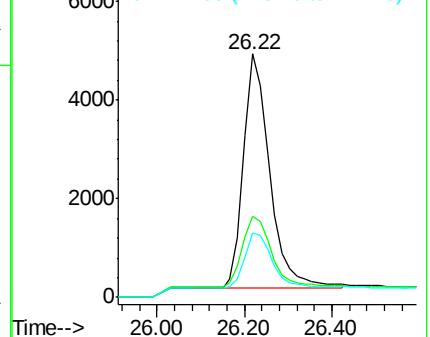
277 25.0 20.1 30.1



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



#34

Perylene-d12

Concen: 0.40 ng

RT: 23.69 min Scan# 1415

Delta R.T. -0.01 min

Lab File: BE093009.D

Acq: 12 May 2017 9:36

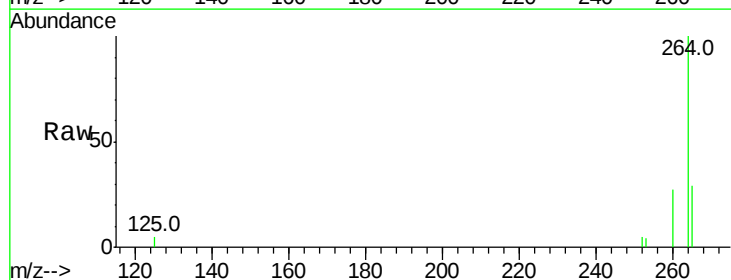
Tgt Ion:264 Resp: 4411

Ion Ratio Lower Upper

264 100

260 27.0 21.0 31.4

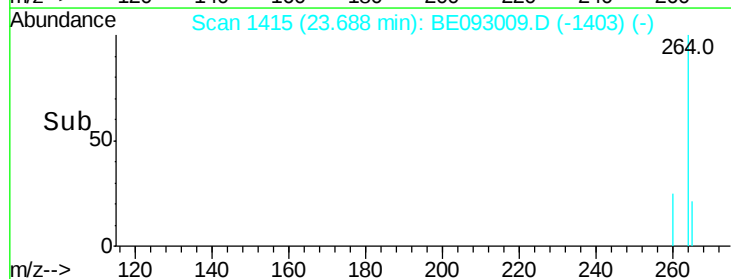
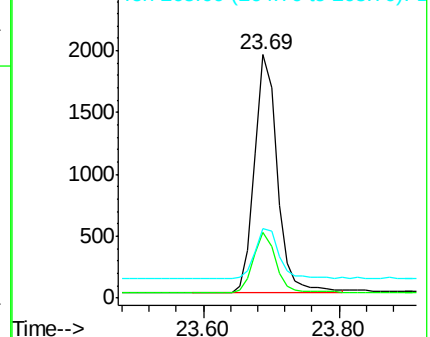
265 28.7 24.6 36.8

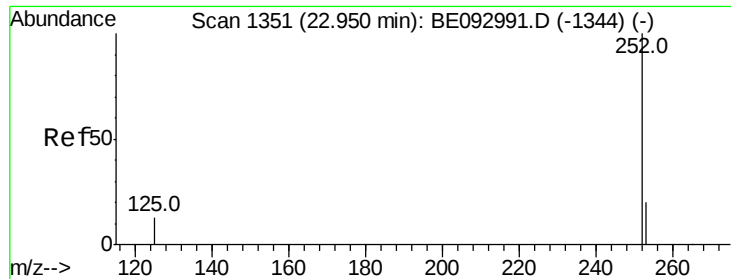


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.34 ng

RT: 22.95 min Scan# 1351

Delta R.T. -0.00 min

Lab File: BE093009.D

Acq: 12 May 2017 9:36

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

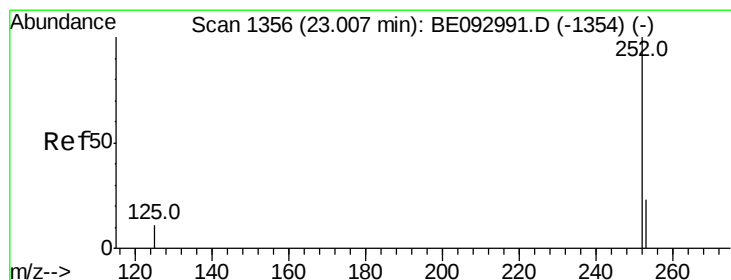
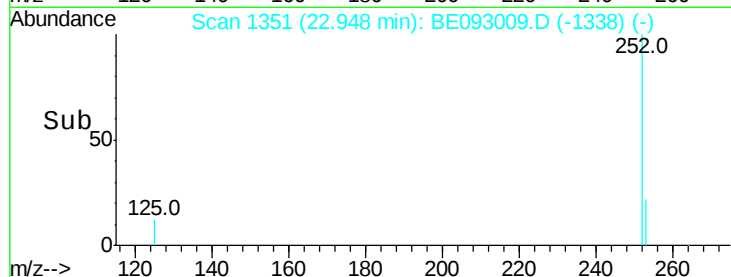
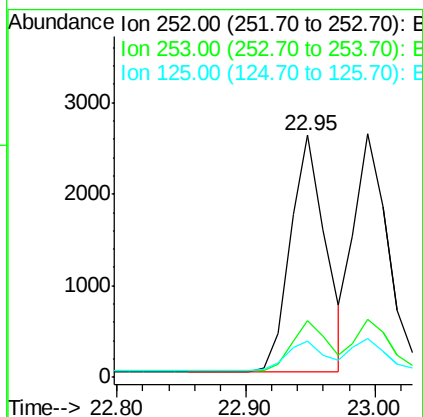
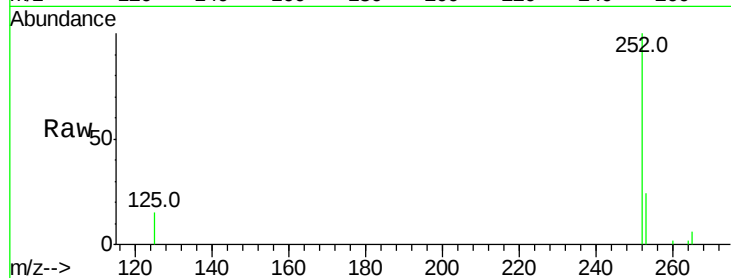
Tot Ion:252 Resp: 4902

Ion Ratio Lower Upper

252 100

253 23.7 18.5 27.7

125 15.0 13.4 20.0



#36

Benzo(k)fluoranthene

Concen: 0.33 ng

RT: 22.99 min Scan# 1355

Delta R.T. -0.01 min

Lab File: BE093009.D

Acq: 12 May 2017 9:36

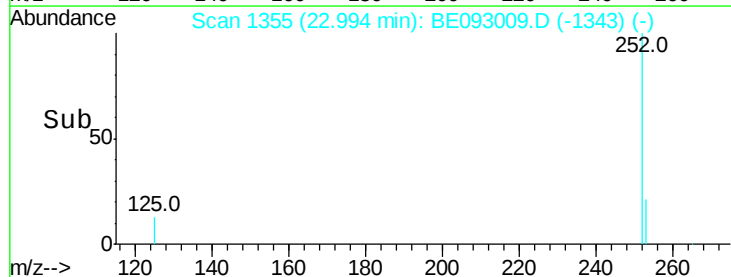
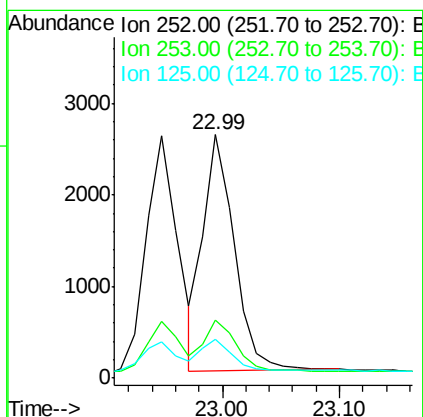
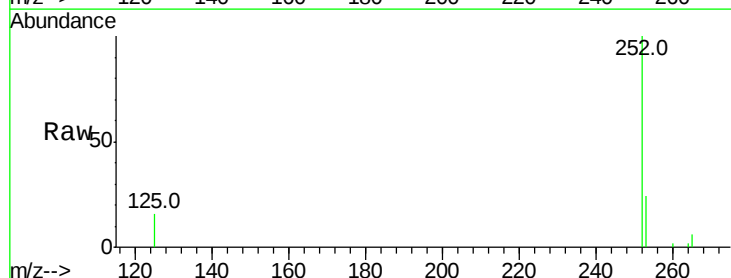
Tgt Ion:252 Resp: 4750

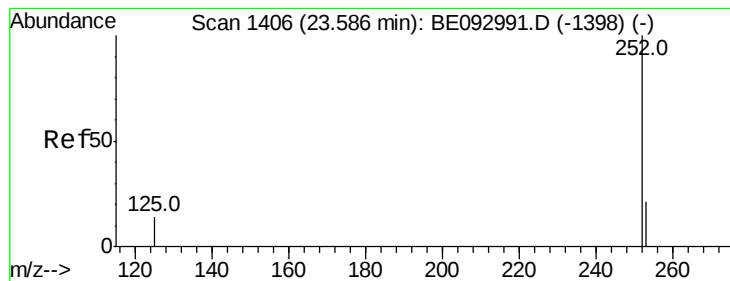
Ion Ratio Lower Upper

252 100

253 23.6 20.3 30.5

125 15.7 12.2 18.4





#37

Benzo(a)pyrene

Concen: 0.36 ng

RT: 23.57 min Scan# 1405

Delta R.T. -0.01 min

Lab File: BE093009.D

Acq: 12 May 2017 9:36

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

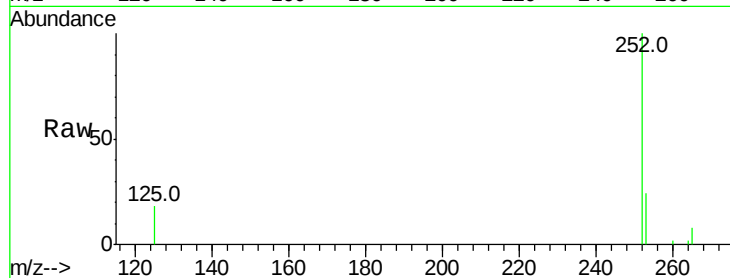
Tot Ion:252 Resp: 4469

Ion Ratio Lower Upper

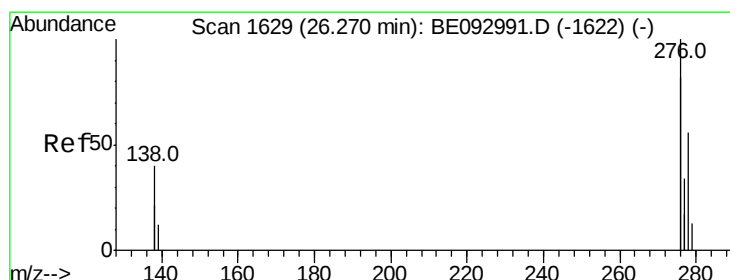
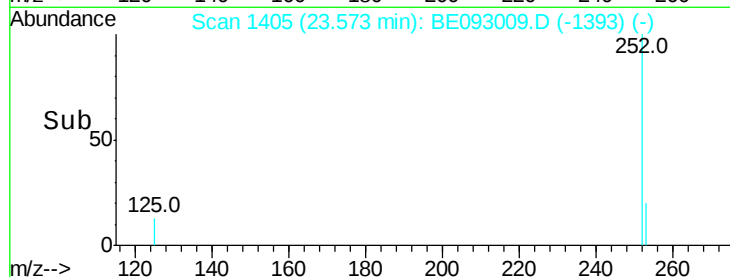
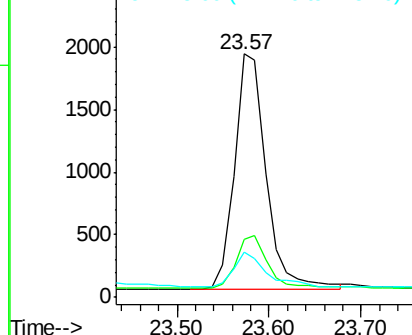
252 100

253 23.7 19.9 29.9

125 18.4 14.6 21.8



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



#38

Dibenzo(a,h)anthracene

Concen: 0.37 ng

RT: 26.25 min Scan# 1628

Delta R.T. 0.00 min

Lab File: BE093009.D

Acq: 12 May 2017 9:36

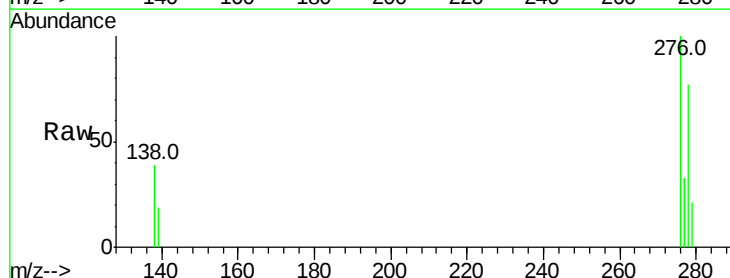
Tgt Ion:278 Resp: 4146

Ion Ratio Lower Upper

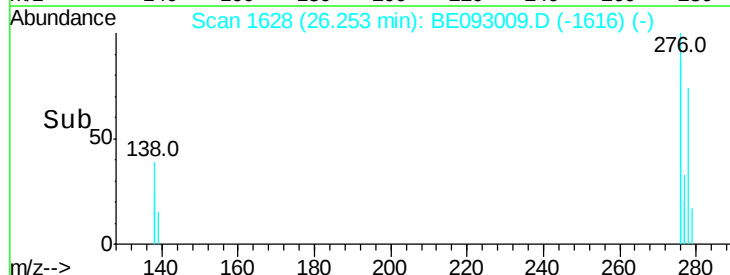
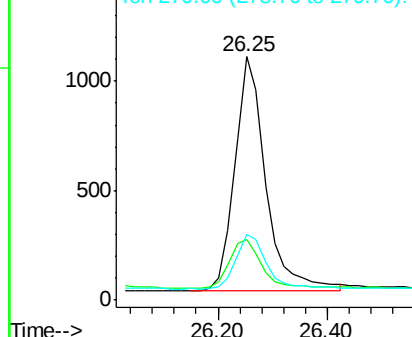
278 100

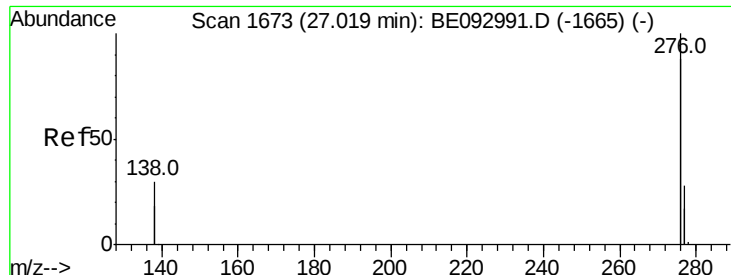
139 25.0 21.4 32.0

279 27.0 22.2 33.2



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





#39

Benzo(a,h,i)perylene

Concen: 0.35 ng

RT: 27.00 min Scan# 1672

Delta R.T. 0.00 min

Lab File: BE093009.D

Acq: 12 May 2017 9:36

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

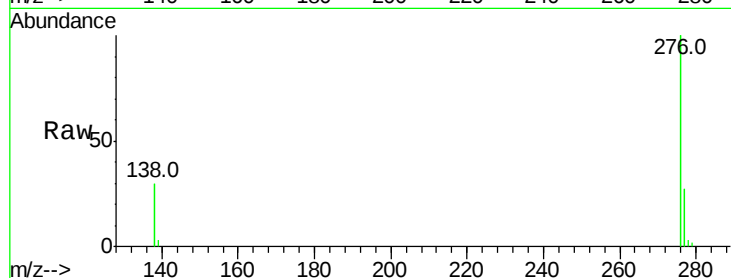
Tot Ion:276 Resp: 18001

Ion Ratio Lower Upper

276 100

277 26.6 21.2 31.8

138 29.7 24.5 36.7



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

