

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102317\
 Data File : BE094501.D
 Acq On : 23 Oct 2017 18:33
 Operator : SJ/JU
 Sample : SSTDICV0.4
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 ICVBE102317

Quant Time: Oct 23 19:28:55 2017
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE102317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 23 19:26:42 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	1201	0.40	ng	0.00
7) Naphthalene-d8	10.71	136	6738	0.40	ng	0.00
13) Acenaphthene-d10	14.51	164	3985	0.40	ng	0.00
19) Phenanthrene-d10	17.23	188	7254	0.40	ng	0.00
27) Chrysene-d12	21.42	240	9316	0.40	ng	-0.01
34) Perylene-d12	23.95	264	8940	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.53	112	1685	0.41	ng	0.00
5) Phenol-d6	0.00	99	0	0.00	ng	
8) Nitrobenzene-d5	8.96	82	124	0.02	ng	-0.12
11) 2-Methylnaphthalene-d10	12.29	152	4301	0.40	ng	0.00
14) 2,4,6-Tribromophenol	16.03	330	438	0.40	ng	0.00
15) 2-Fluorobiphenyl	13.15	172	5745	0.41	ng	0.00
25) Fluoranthene-d10	19.28	212	41743	0.48	ng	0.00
29) Terphenyl-d14	19.87	244	7116	0.41	ng	0.00

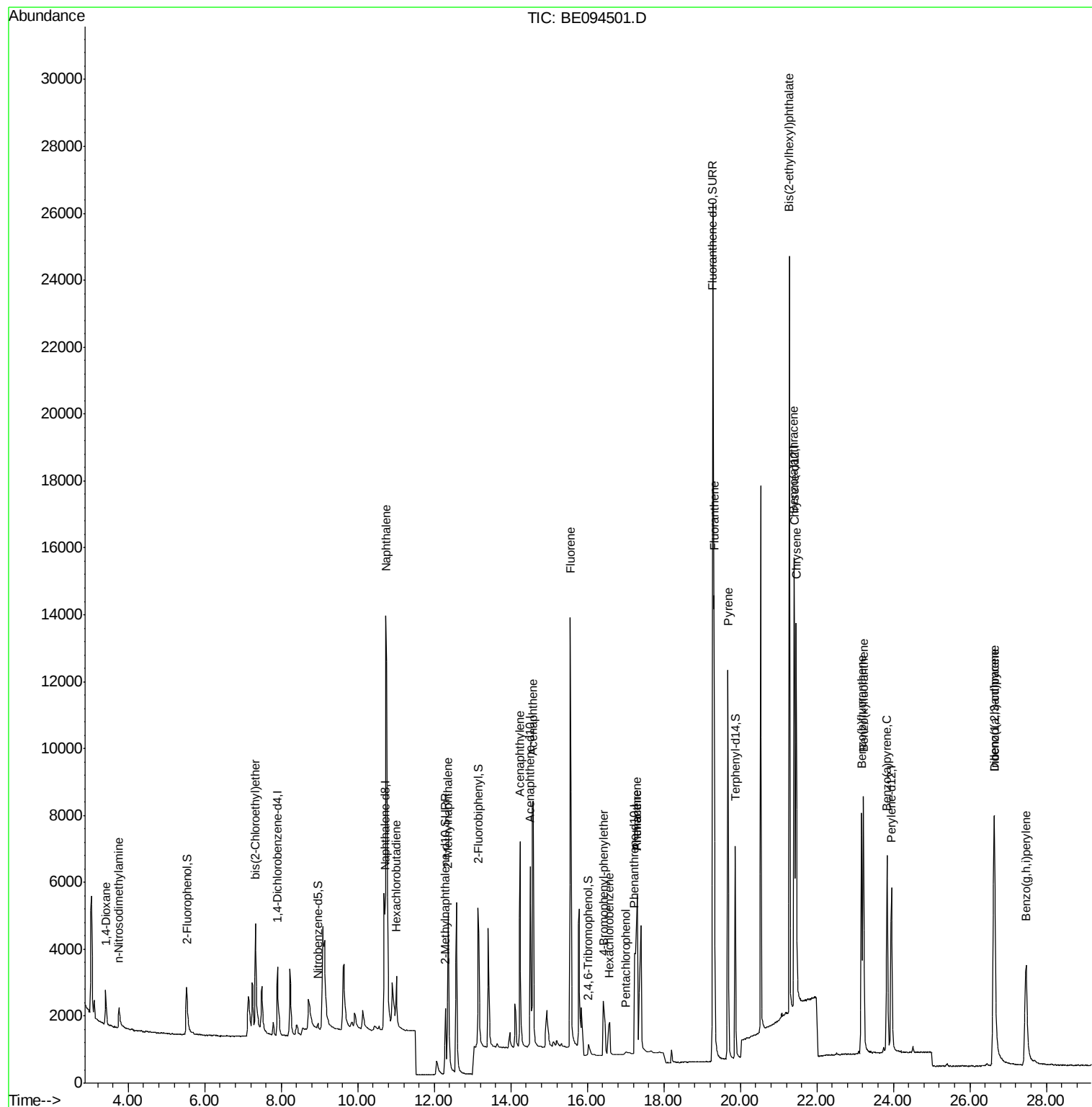
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.41	88	826	0.406	ng	# 86
3) n-Nitrosodimethylamine	3.75	42	722	0.371	ng	# 83
6) bis(2-Chloroethyl)ether	7.33	93	1911	0.398	ng	81
9) Naphthalene	10.74	128	30763	0.403	ng	100
10) Hexachlorobutadiene	11.01	225	1126	0.408	ng	97
12) 2-Methylnaphthalene	12.36	142	5198	0.402	ng	98
16) Acenaphthylene	14.24	152	8373	0.398	ng	100
17) Acenaphthene	14.58	154	5382	0.398	ng	97
18) Fluorene	15.56	166	6918	0.400	ng	99
20) 4-Bromophenyl-phenylether	16.42	248	1629	0.412	ng	# 13
21) Hexachlorobenzene	16.58	284	1774	0.512	ng	# 38
22) Pentachlorophenol	17.01	266	80	0.181	ng	95
23) Phenanthrene	17.30	178	8887	0.470	ng	# 94
24) Anthracene	17.30	178	8875	0.416	ng	93
26) Fluoranthene	19.31	202	12715	0.484	ng	99
28) Pyrene	19.67	202	13217	0.406	ng	99
30) Benzo(a)anthracene	21.40	228	12572	0.414	ng	# 62
31) Chrysene	21.46	228	12182	0.396	ng	# 63
32) Bis(2-ethylhexyl)phthalate	21.28	149	28774	0.387	ng	100
33) Indeno(1,2,3-cd)pyrene	26.63	276	11630	0.409	ng	99
35) Benzo(b)fluoranthene	23.17	252	11536	0.399	ng	# 41
36) Benzo(k)fluoranthene	23.22	252	12477	0.405	ng	# 41
37) Benzo(a)pyrene	23.83	252	11117	0.396	ng	# 35
38) Dibenzo(a,h)anthracene	26.64	278	10116	0.401	ng	# 46
39) Benzo(g,h,i)perylene	27.47	276	9622	0.408	ng	# 56

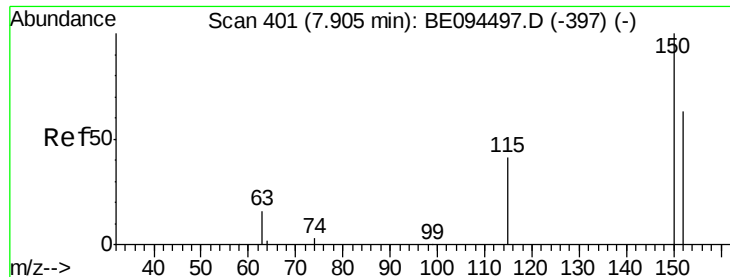
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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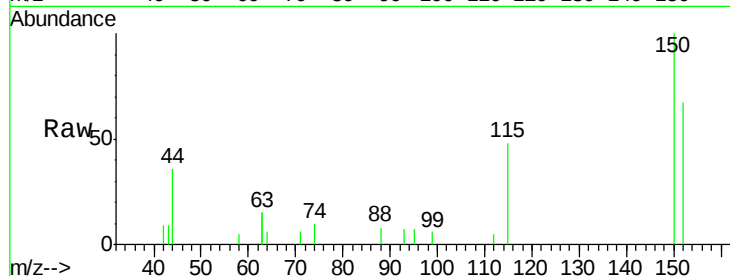




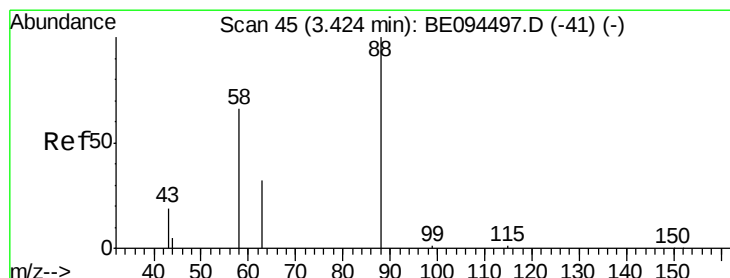
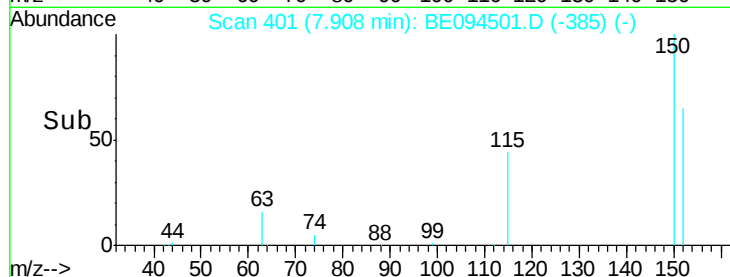
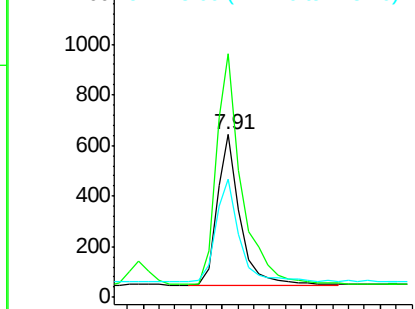
#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.91 min Scan# 401
 Delta R.T. 0.00 min
 Lab File: BE094501.D
 Acq: 23 Oct 2017 18:33

Instrument :
 BNA_E
 ClientSampleId :
 ICVBE102317

Tgt Ion: 152 Resp: 1201
 Ion Ratio Lower Upper
 152 100
 150 149.6 117.2 175.8
 115 72.3 57.0 85.6

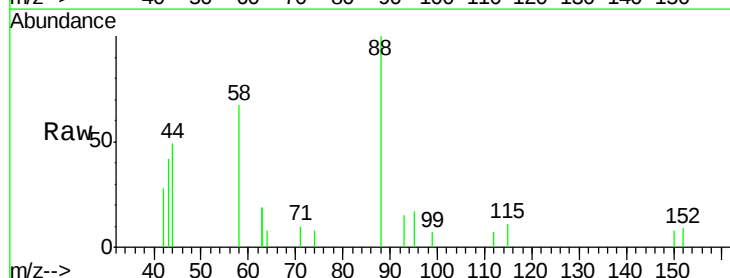


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

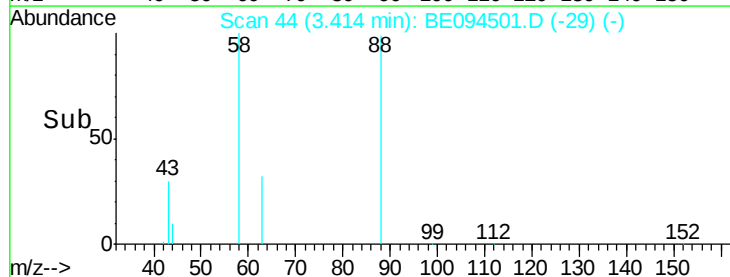
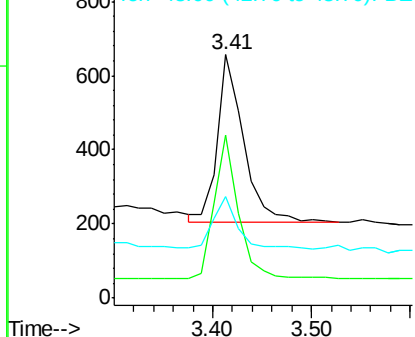


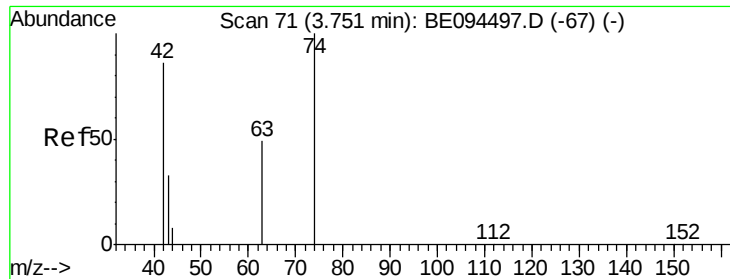
#2
 1,4-Dioxane
 Concen: 0.406 ng
 RT: 3.41 min Scan# 44
 Delta R.T. -0.01 min
 Lab File: BE094501.D
 Acq: 23 Oct 2017 18:33

Tgt Ion: 88 Resp: 826
 Ion Ratio Lower Upper
 88 100
 58 81.8 63.2 94.8
 43 30.4 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: 0.371 ng

RT: 3.75 min Scan# 71

Delta R.T. 0.00 min

Lab File: BE094501.D

Acq: 23 Oct 2017 18:33

Instrument :

BNA_E

ClientSampleId :

ICVBE102317

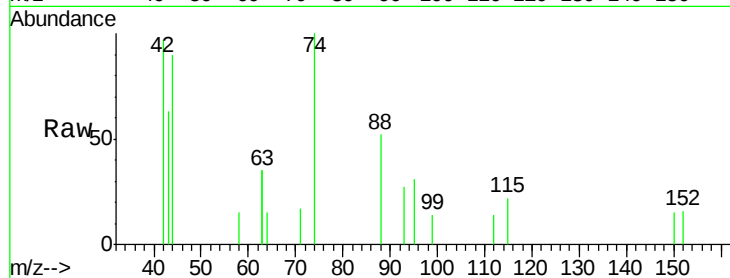
Tgt Ion: 42 Resp: 722

Ion Ratio Lower Upper

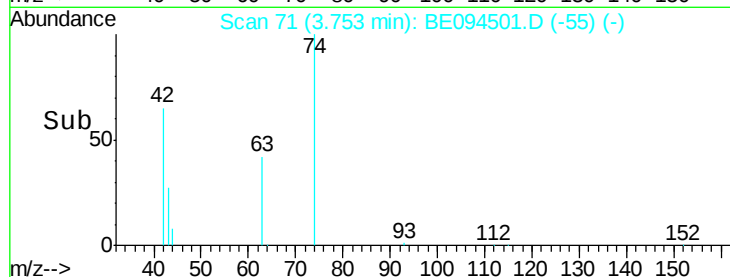
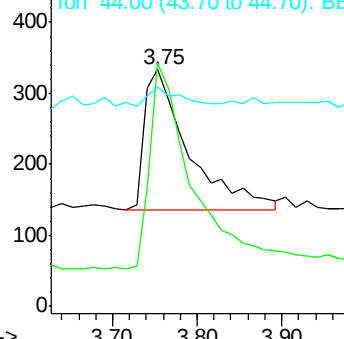
42 100

74 142.7 100.3 150.5

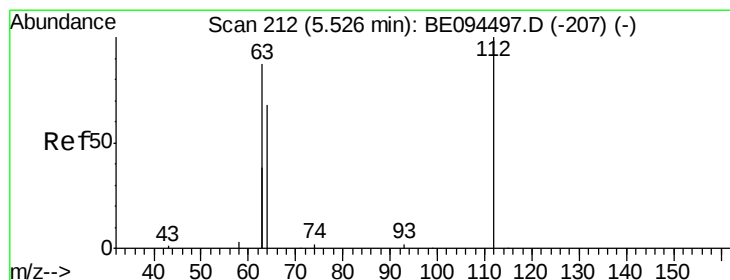
44 9.6 17.0 25.4#



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



Time-->



#4

2-Fluorophenol

Concen: 0.410 ng

RT: 5.53 min Scan# 212

Delta R.T. 0.00 min

Lab File: BE094501.D

Acq: 23 Oct 2017 18:33

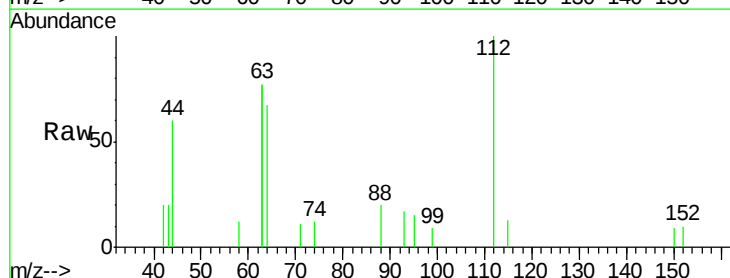
Tgt Ion: 112 Resp: 1685

Ion Ratio Lower Upper

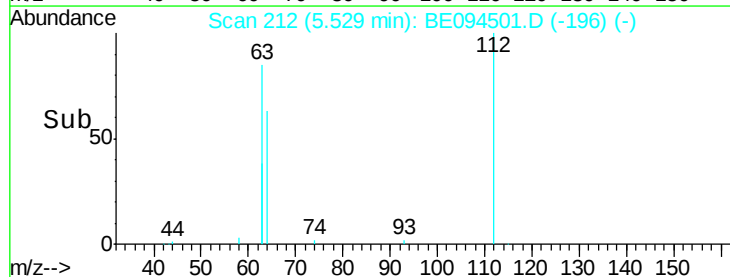
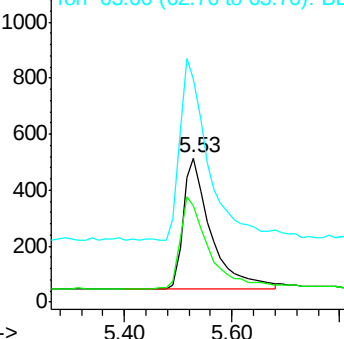
112 100

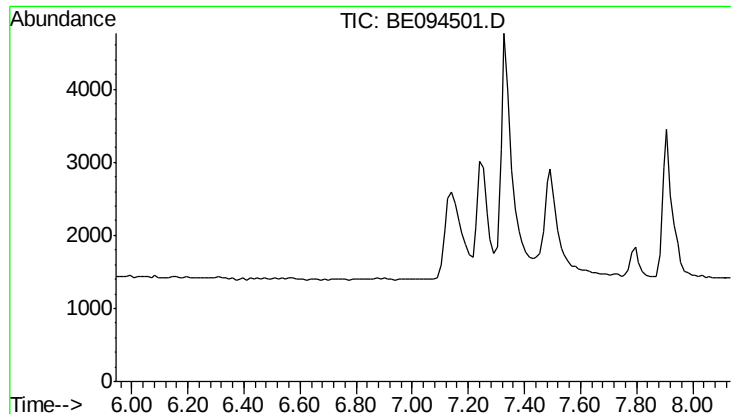
64 71.8 60.1 90.1

63 139.2 116.8 175.2



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: 0.000 ng

Expected RT: 7.14 min

Lab File: BE094501.D

Acq: 23 Oct 2017 18:33

Instrument :

BNA_E

ClientSampleId :

ICVBE102317

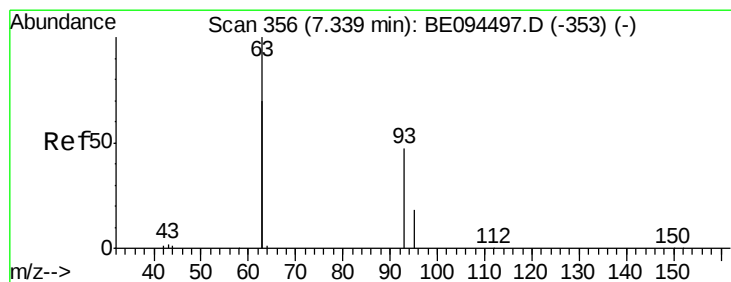
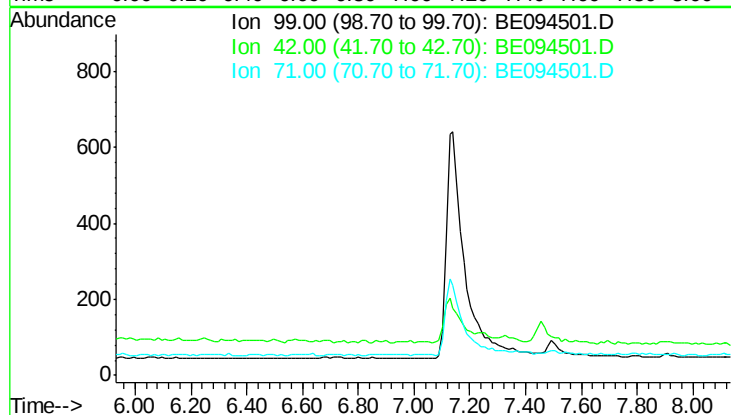
Tgt Ion: 99

Sig Exp Ratio

99 100

42 25.2

71 35.5



#6

bis(2-Chloroethyl)ether

Concen: 0.398 ng

RT: 7.33 min Scan# 355

Delta R.T. -0.01 min

Lab File: BE094501.D

Acq: 23 Oct 2017 18:33

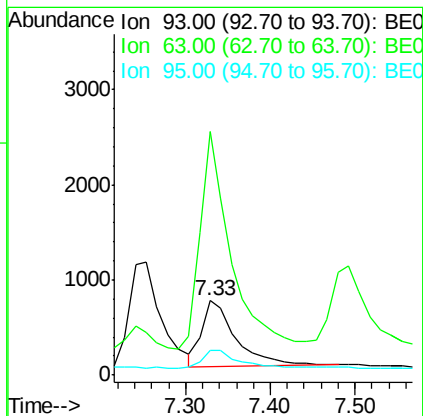
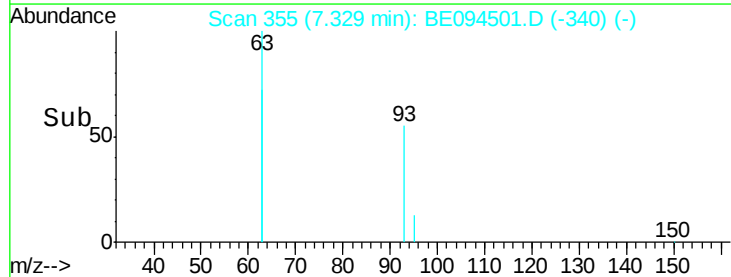
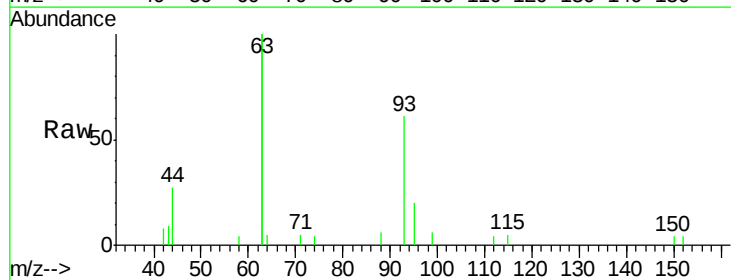
Tgt Ion: 93 Resp: 1911

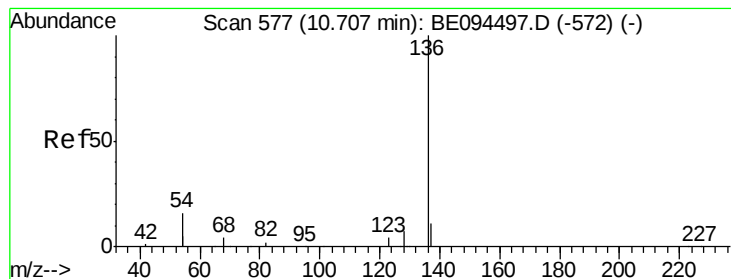
Ion Ratio Lower Upper

93 100

63 300.7 275.3 412.9

95 29.6 25.2 37.8





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.71 min Scan# 577

Delta R.T. -0.00 min

Lab File: BE094501.D

Acq: 23 Oct 2017 18:33

Instrument :

BNA_E

ClientSampleId :

ICVBE102317

Tgt Ion: 136 Resp: 6738

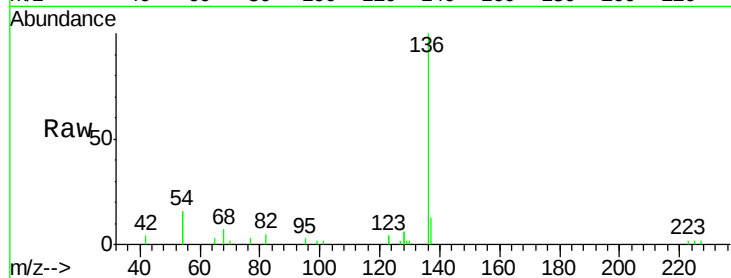
Ion Ratio Lower Upper

136 100

137 12.8 9.5 14.3

54 31.2 29.1 43.7

68 7.1 6.2 9.2

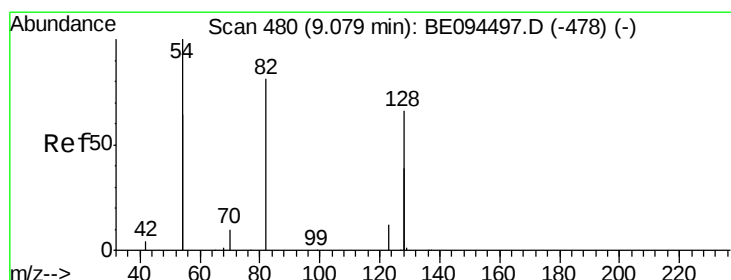
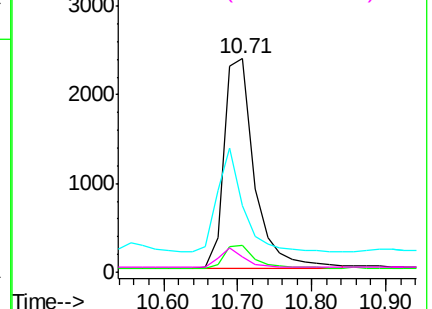
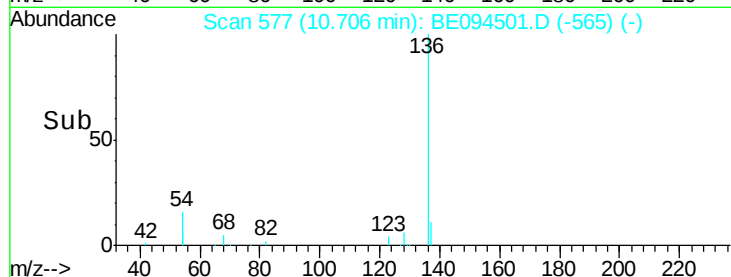


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.023 ng

RT: 8.96 min Scan# 473

Delta R.T. -0.12 min

Lab File: BE094501.D

Acq: 23 Oct 2017 18:33

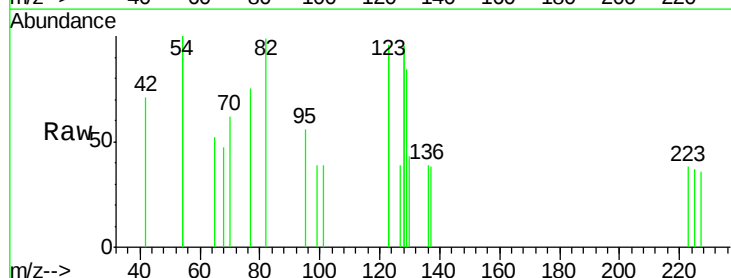
Tgt Ion: 82 Resp: 124

Ion Ratio Lower Upper

82 100

128 191.7 150.0 225.0

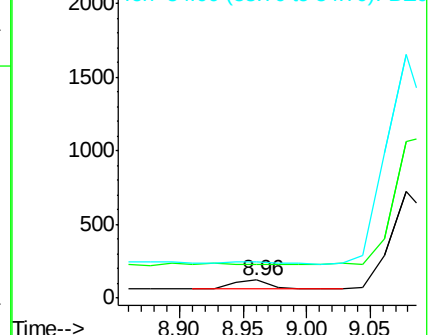
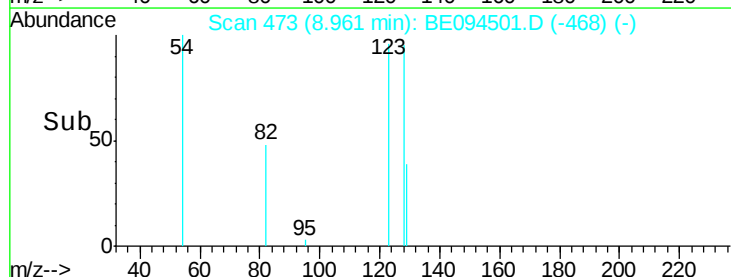
54 201.7 154.2 231.4

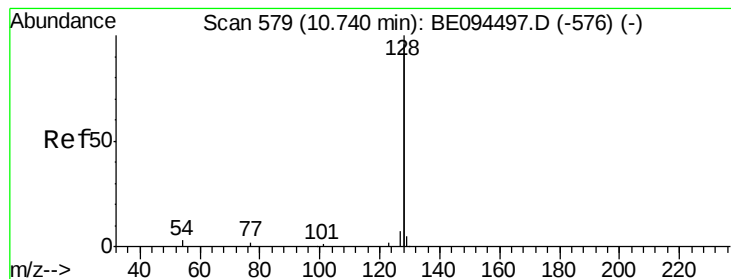


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.403 ng

RT: 10.74 min Scan# 579

Delta R.T. -0.00 min

Lab File: BE094501.D

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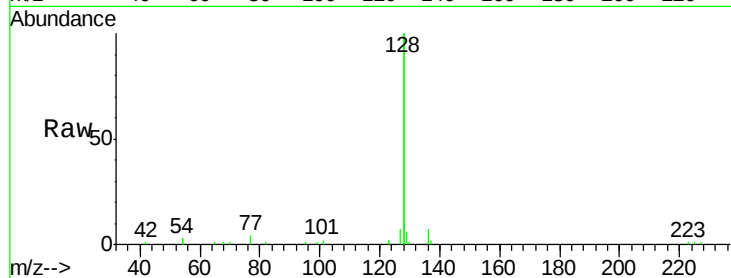
Tgt Ion:128 Resp: 30763

Ion Ratio Lower Upper

128 100

129 3.1 2.6 3.8

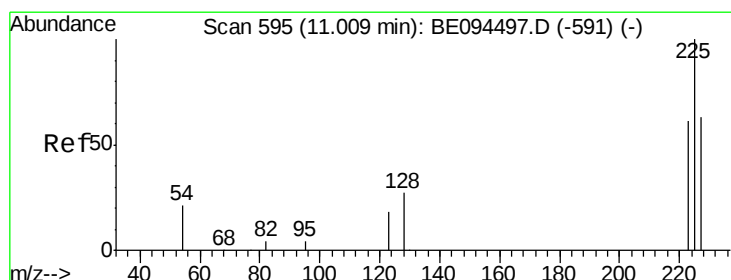
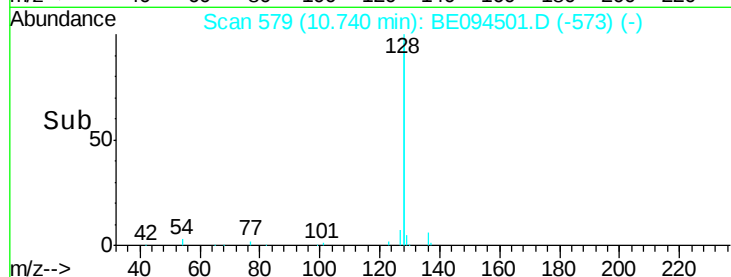
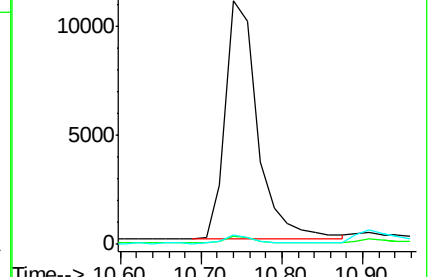
127 3.7 2.8 4.2



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: 0.408 ng

RT: 11.01 min Scan# 595

Delta R.T. -0.00 min

Lab File: BE094501.D

Acq: 23 Oct 2017 18:33

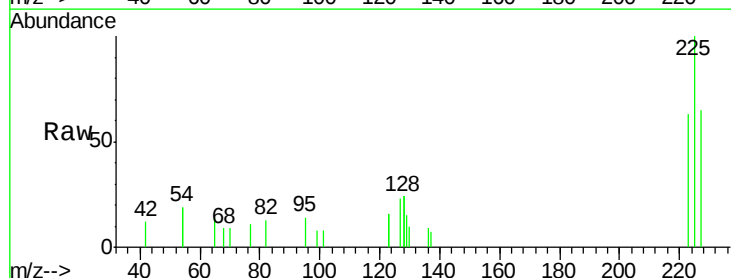
Tgt Ion:225 Resp: 1126

Ion Ratio Lower Upper

225 100

223 61.4 53.0 79.6

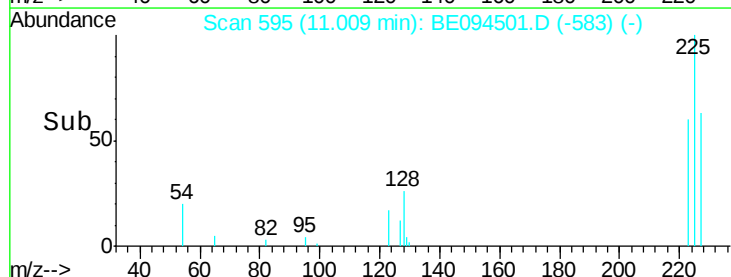
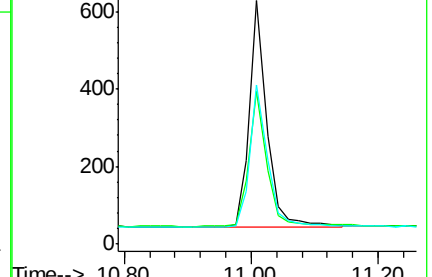
227 64.1 51.4 77.2

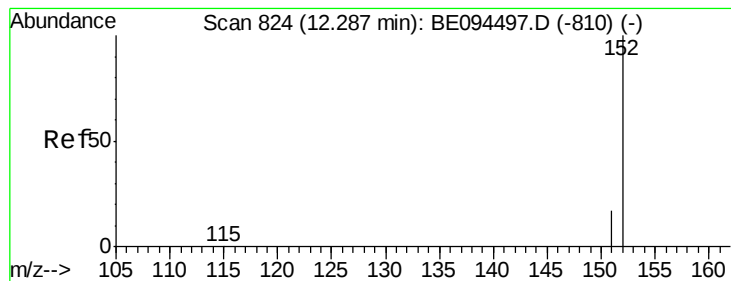


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.398 ng

RT: 12.29 min Scan# 824

Delta R.T. 0.00 min

Lab File: BE094501.D

Acq: 23 Oct 2017 18:33

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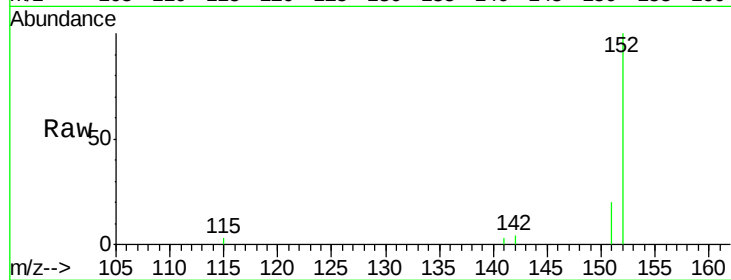
ICVBE102317

Tgt Ion:152 Resp: 4301

Ion Ratio Lower Upper

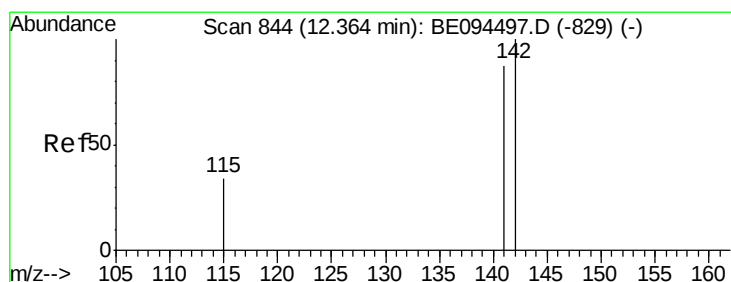
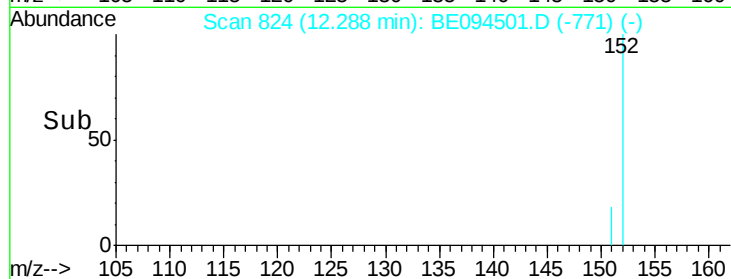
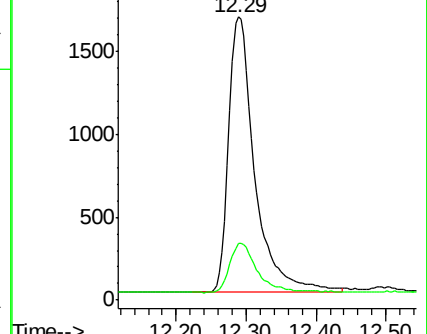
152 100

151 19.2 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.402 ng

RT: 12.36 min Scan# 843

Delta R.T. -0.00 min

Lab File: BE094501.D

Acq: 23 Oct 2017 18:33

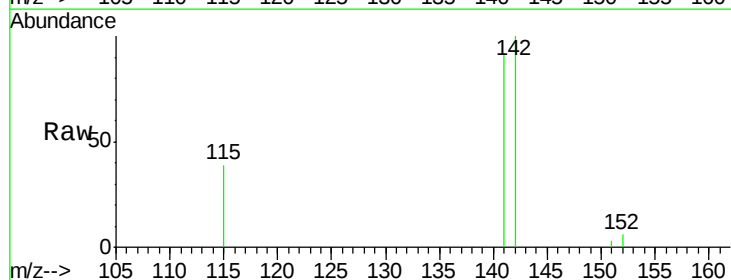
Tgt Ion:142 Resp: 5198

Ion Ratio Lower Upper

142 100

141 90.8 70.4 105.6

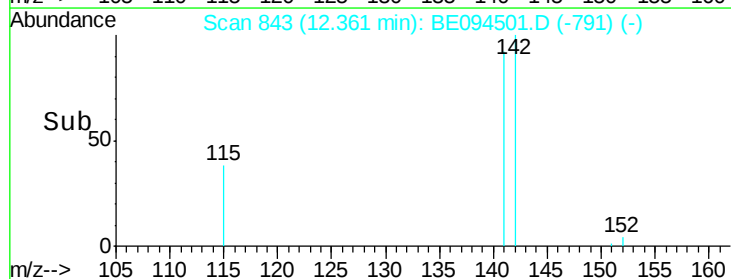
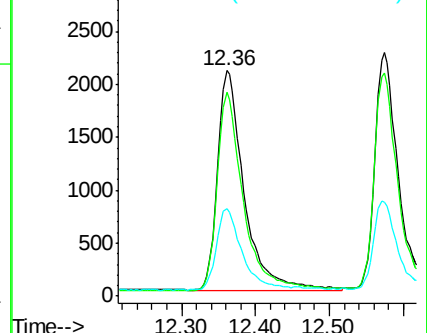
115 38.9 31.7 47.5

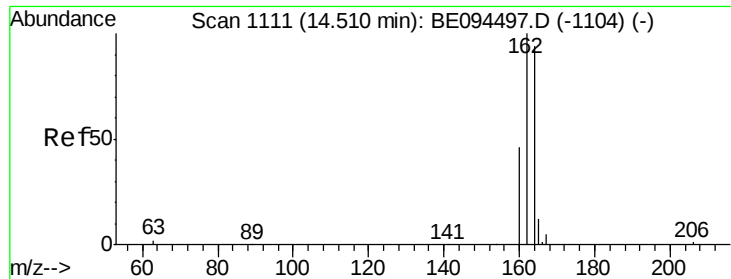


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.51 min Scan# 1110

Delta R.T. -0.00 min

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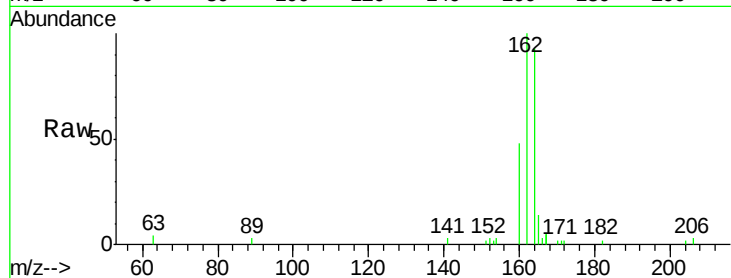
Tgt Ion:164 Resp: 3985

Ion Ratio Lower Upper

164 100

162 107.3 83.1 124.7

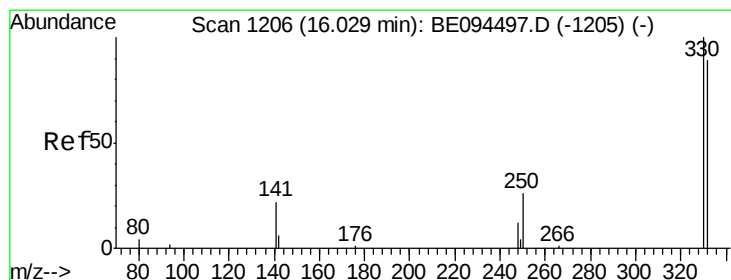
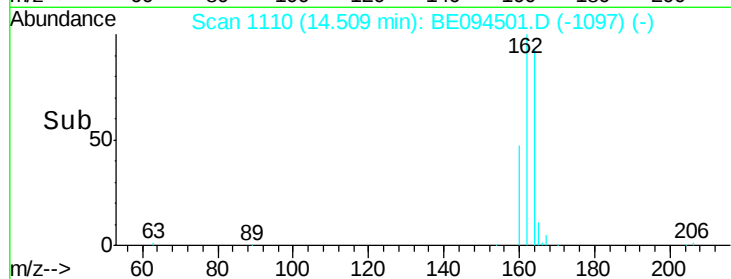
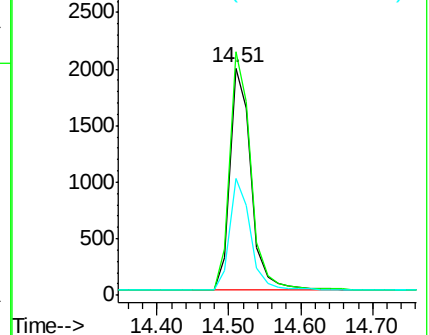
160 51.3 37.1 55.7



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: 0.398 ng

RT: 16.03 min Scan# 1205

Delta R.T. -0.00 min

Lab File: BE094501.D

Acq: 23 Oct 2017 18:33

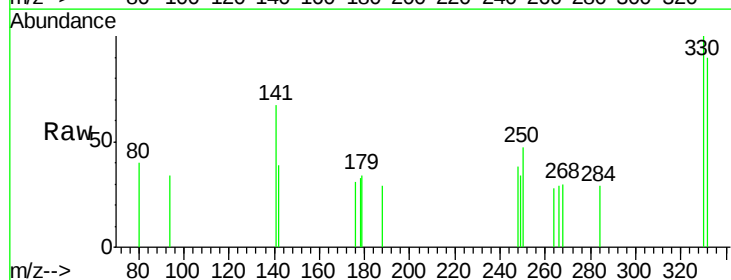
Tgt Ion:330 Resp: 438

Ion Ratio Lower Upper

330 100

332 95.2 152.7 229.1#

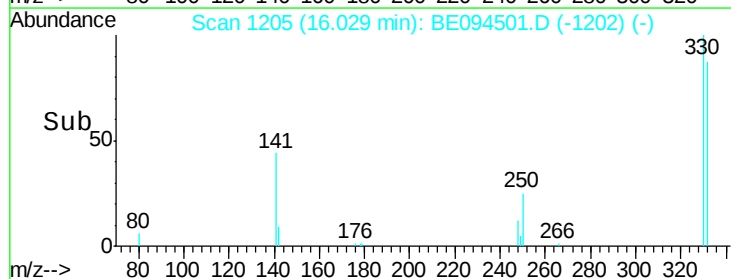
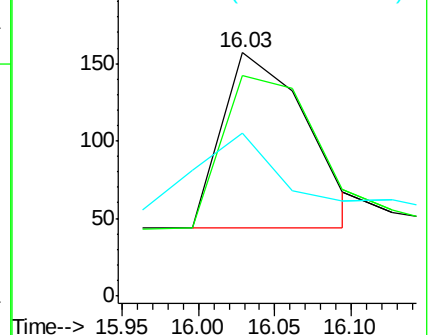
141 22.8 33.7 50.5#

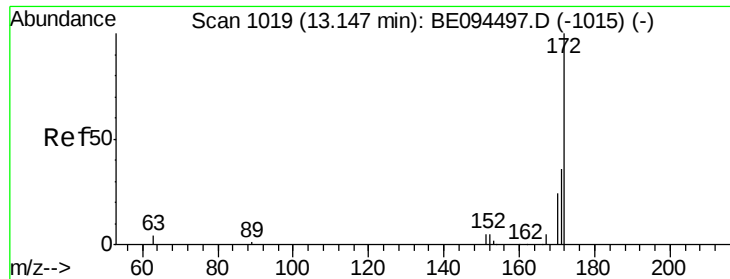


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

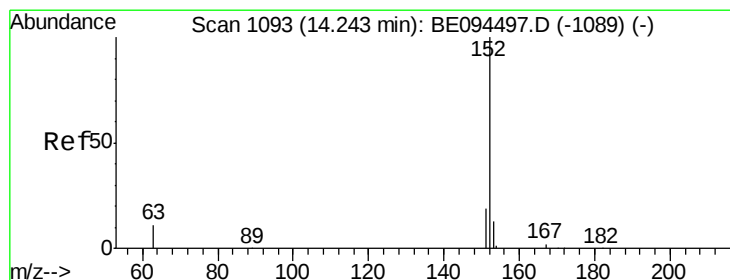
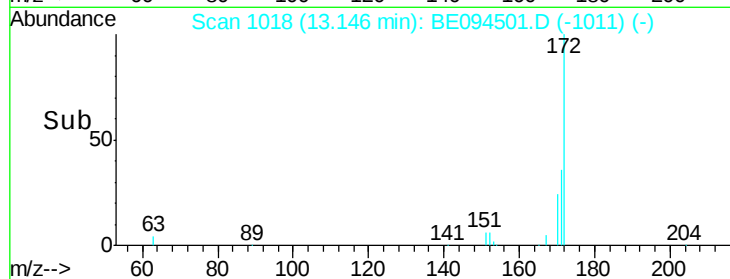
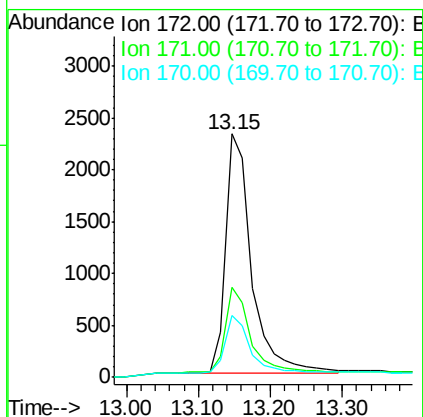
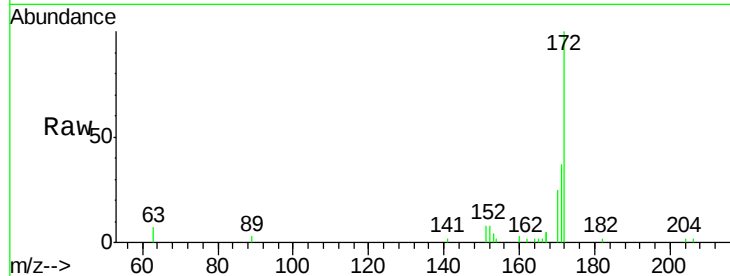




#15
2-Fluorobiphenyl
Concen: 0.409 ng
RT: 13.15 min Scan# 1018
Delta R.T. -0.00 min
Lab File: BE094501.D
Acq: 23 Oct 2017 18:33

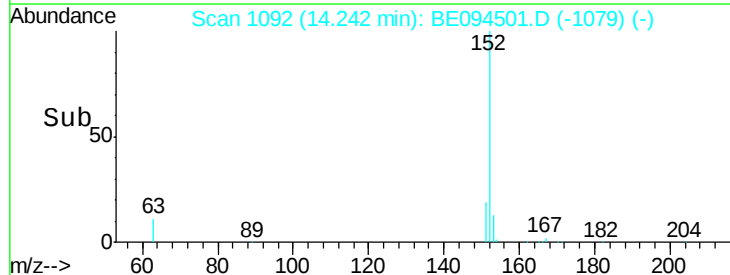
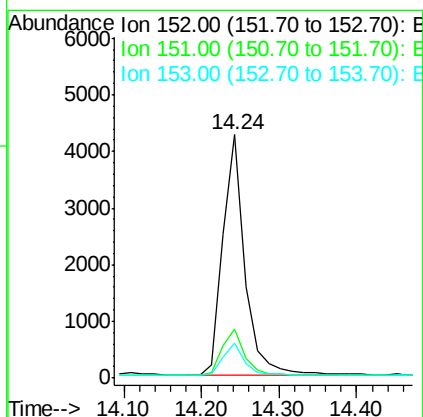
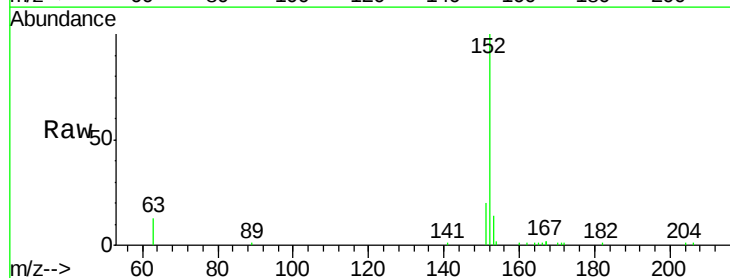
Instrument :
BNA_E
ClientSampleId :
ICVBE102317

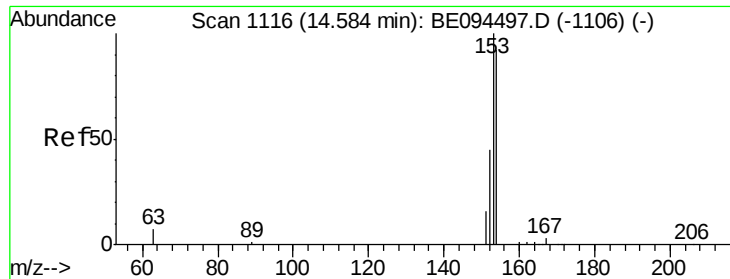
Tgt Ion:172 Resp: 5745
Ion Ratio Lower Upper
172 100
171 37.2 29.9 44.9
170 25.2 21.8 32.8



#16
Acenaphthylene
Concen: 0.398 ng
RT: 14.24 min Scan# 1092
Delta R.T. -0.00 min
Lab File: BE094501.D
Acq: 23 Oct 2017 18:33

Tgt Ion:152 Resp: 8373
Ion Ratio Lower Upper
152 100
151 19.7 15.7 23.5
153 13.1 10.5 15.7





#17

Acenaphthene

Concen: 0.398 ng

RT: 14.58 min Scan# 1115

Delta R.T. -0.00 min

Lab File: BE094501.D

Acq: 23 Oct 2017 18:33

Instrument :

BNA_E

ClientSampleId :

ICVBE102317

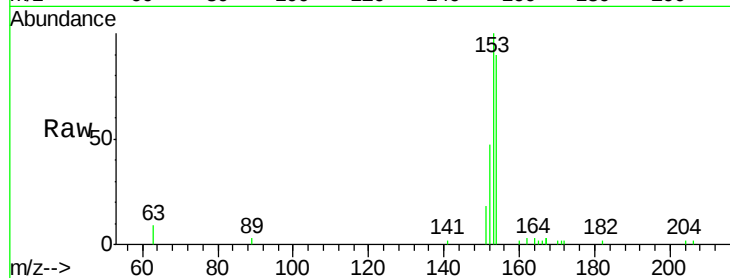
Tgt Ion:154 Resp: 5382

Ion Ratio Lower Upper

154 100

153 114.7 89.2 133.8

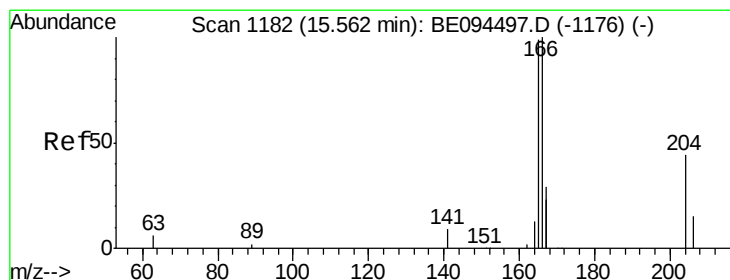
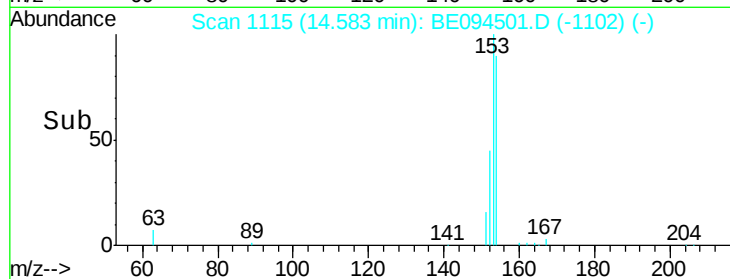
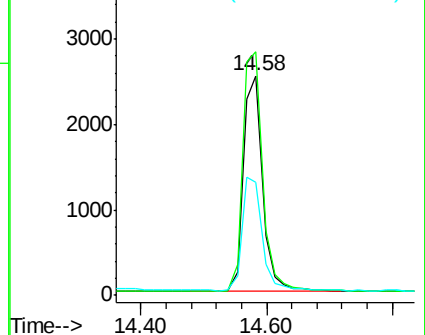
152 54.3 42.0 63.0



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: 0.400 ng

RT: 15.56 min Scan# 1181

Delta R.T. -0.00 min

Lab File: BE094501.D

Acq: 23 Oct 2017 18:33

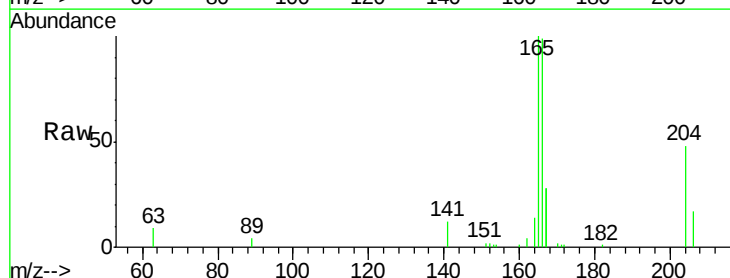
Tgt Ion:166 Resp: 6918

Ion Ratio Lower Upper

166 100

165 98.8 77.8 116.6

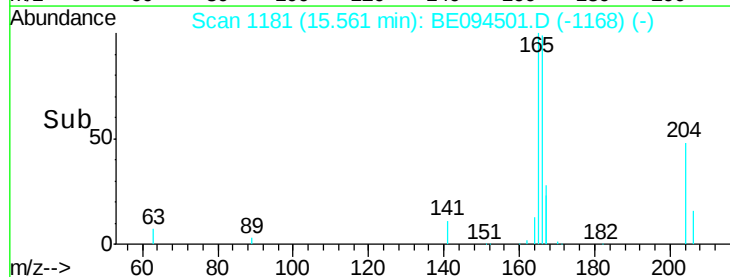
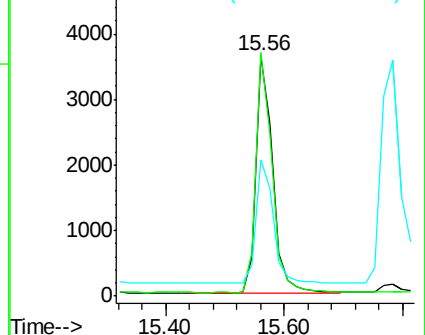
167 53.7 42.4 63.6

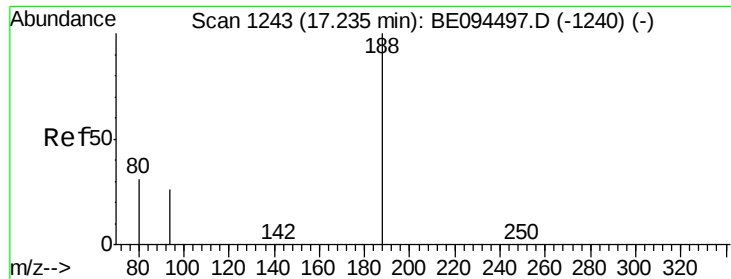


Abundance Ion 166.00 (165.70 to 166.70): E

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: 17.23 min Scan# 1242

Delta R.T. -0.00 min

Lab File: BE094501.D

Acq: 23 Oct 2017 18:33

Instrument :

BNA_E

ClientSampleId :

ICVBE102317

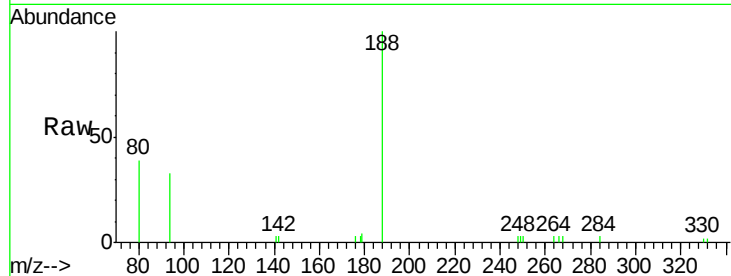
Tgt Ion:188 Resp: 7254

Ion Ratio Lower Upper

188 100

94 32.8 3.9 5.9#

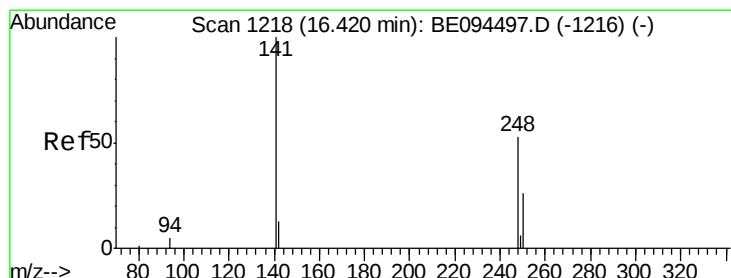
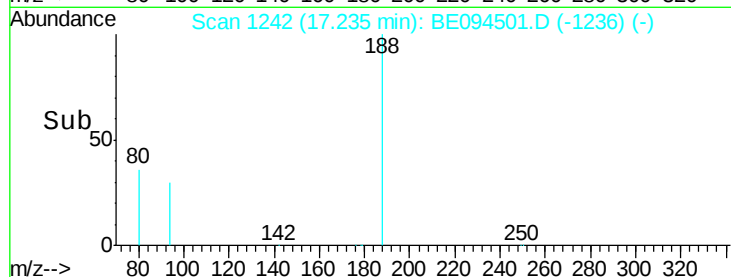
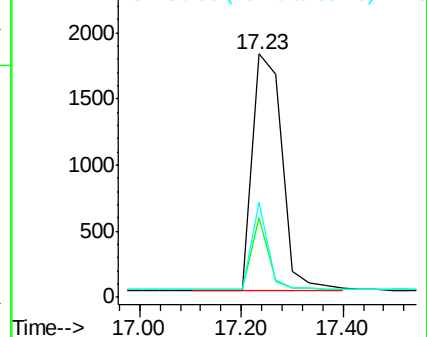
80 38.9 3.6 5.4#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE

Ion 80.00 (79.70 to 80.70): BE



#20

4-Bromophenyl-phenylether

Concen: 0.412 ng

RT: 16.42 min Scan# 1217

Delta R.T. -0.00 min

Lab File: BE094501.D

Acq: 23 Oct 2017 18:33

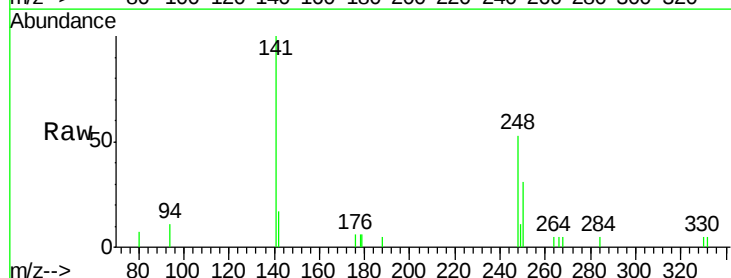
Tgt Ion:248 Resp: 1629

Ion Ratio Lower Upper

248 100

250 58.7 62.7 94.1#

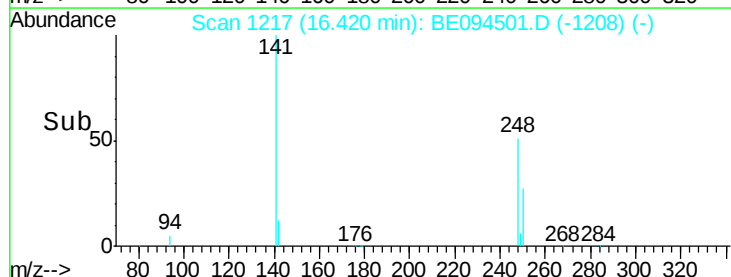
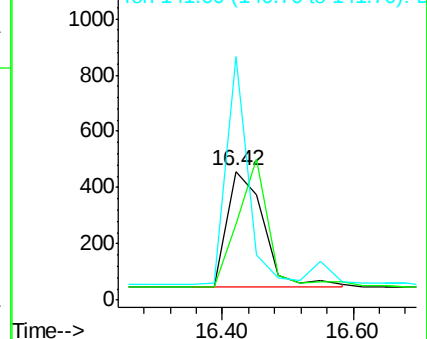
141 189.1 48.2 72.2#

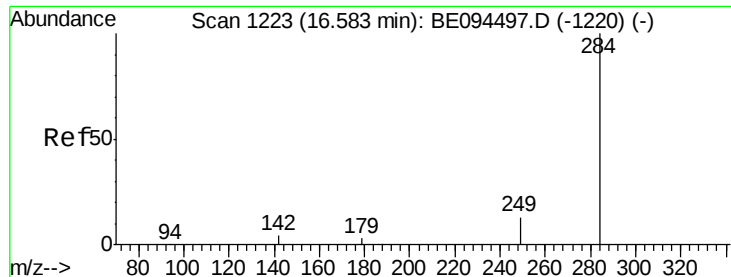


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.512 ng

RT: 16.58 min Scan# 1222

Delta R.T. -0.00 min

Lab File: BE094501.D

Acq: 23 Oct 2017 18:33

Instrument :

BNA_E

ClientSampleId :

ICVBE102317

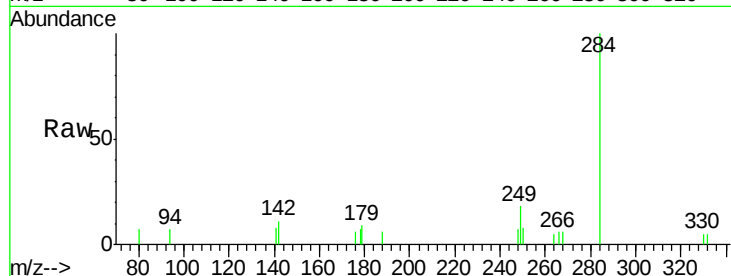
Tgt Ion:284 Resp: 1774

Ion Ratio Lower Upper

284 100

142 0.0 22.1 33.1#

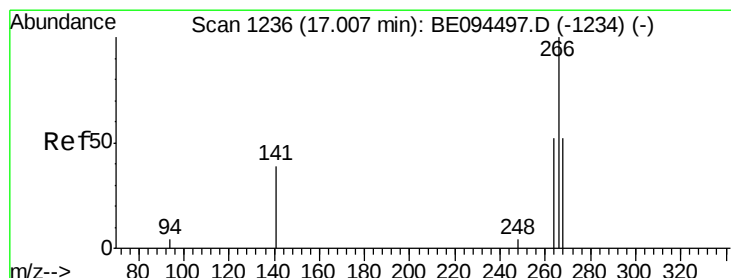
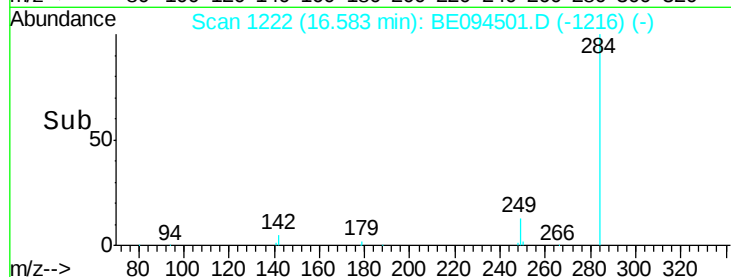
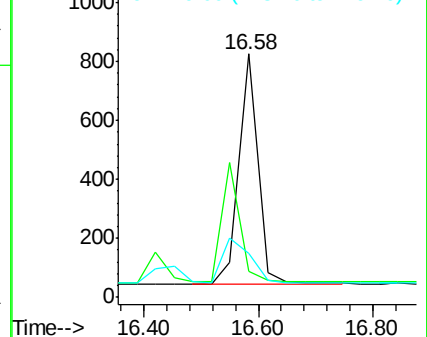
249 0.0 34.8 52.2#



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: 0.181 ng

RT: 17.01 min Scan# 1235

Delta R.T. -0.00 min

Lab File: BE094501.D

Acq: 23 Oct 2017 18:33

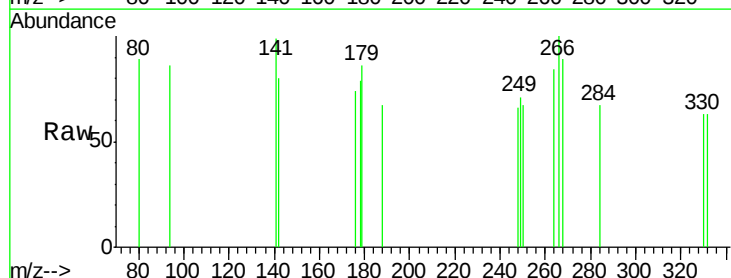
Tgt Ion:266 Resp: 80

Ion Ratio Lower Upper

266 100

264 84.3 72.5 108.7

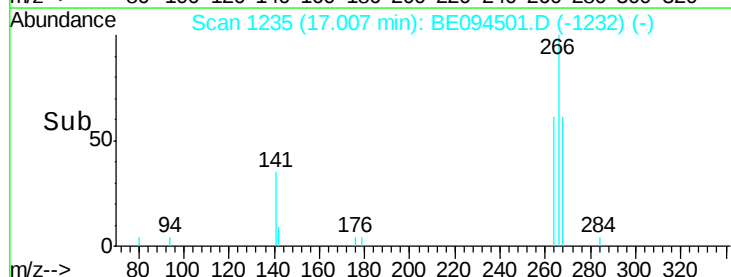
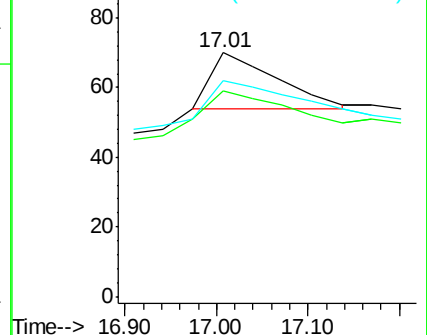
268 88.6 73.8 110.6

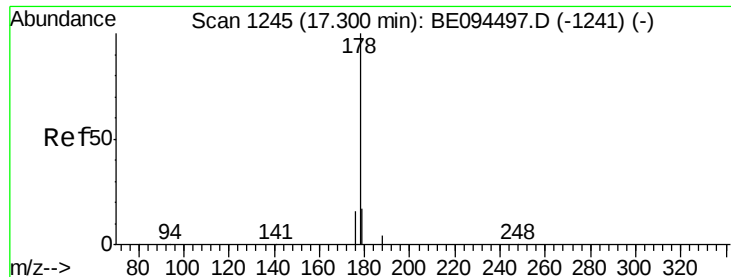


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.470 ng

RT: 17.30 min Scan# 1244

Delta R.T. 0.00 min

Lab File: BE094501.D

Acq: 23 Oct 2017 18:33

Instrument :

BNA_E

ClientSampleId :

ICVBE102317

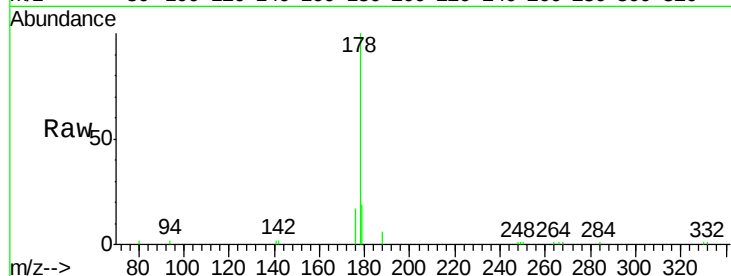
Tgt Ion:178 Resp: 8887

Ion Ratio Lower Upper

178 100

176 18.5 15.1 22.7

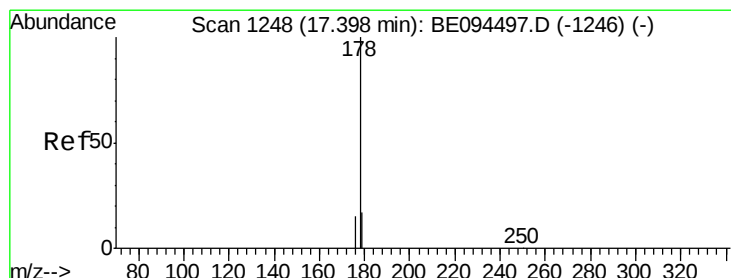
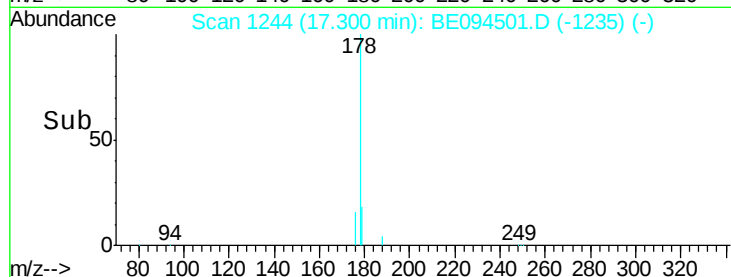
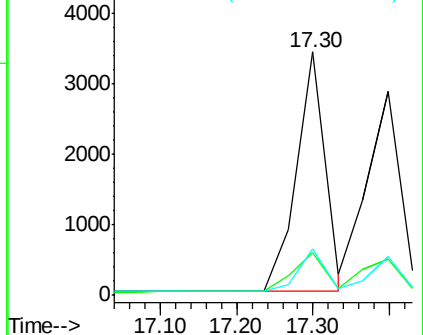
179 19.6 11.8 17.6#



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: 0.416 ng

RT: 17.30 min Scan# 1244

Delta R.T. -0.10 min

Lab File: BE094501.D

Acq: 23 Oct 2017 18:33

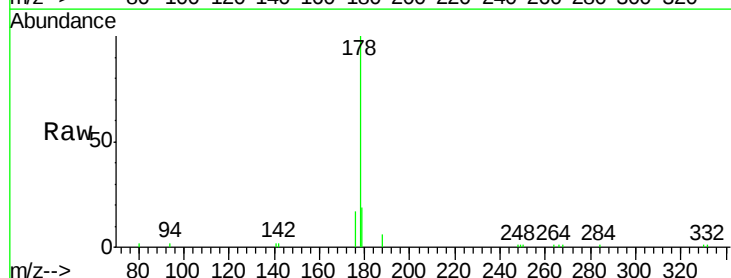
Tgt Ion:178 Resp: 8875

Ion Ratio Lower Upper

178 100

176 18.3 12.8 19.2

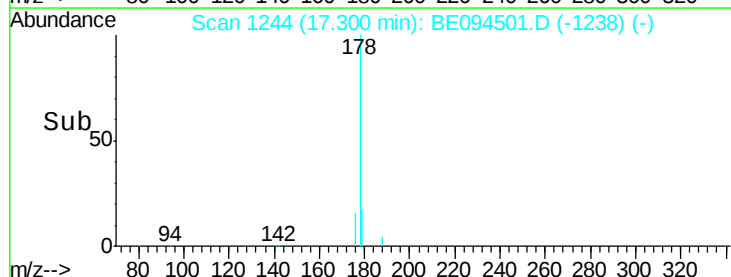
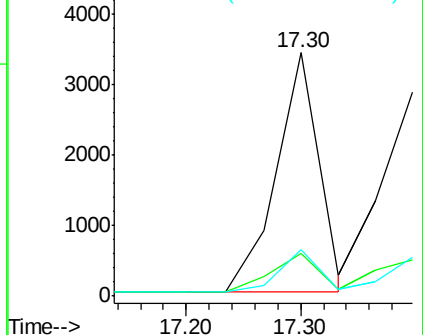
179 19.5 13.0 19.6

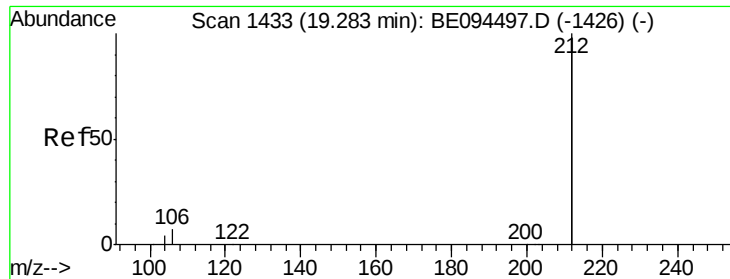


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.485 ng

RT: 19.28 min Scan# 1432

Delta R.T. -0.00 min

Lab File: BE094501.D

Acq: 23 Oct 2017 18:33

Instrument :

BNA_E

ClientSampleId :

ICVBE102317

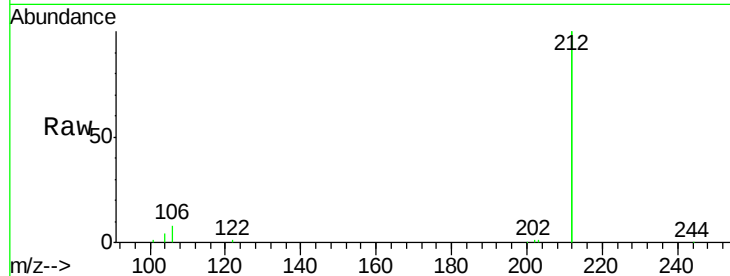
Tgt Ion:212 Resp: 41743

Ion Ratio Lower Upper

212 100

106 3.6 2.8 4.2

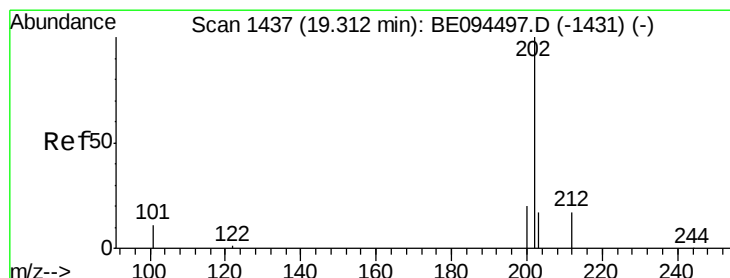
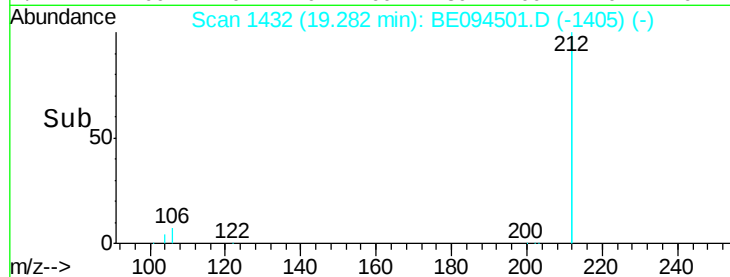
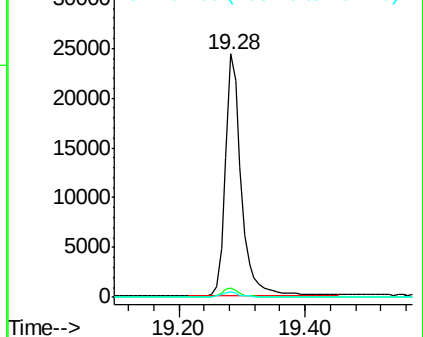
104 2.0 1.6 2.4



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: 0.484 ng

RT: 19.31 min Scan# 1436

Delta R.T. -0.00 min

Lab File: BE094501.D

Acq: 23 Oct 2017 18:33

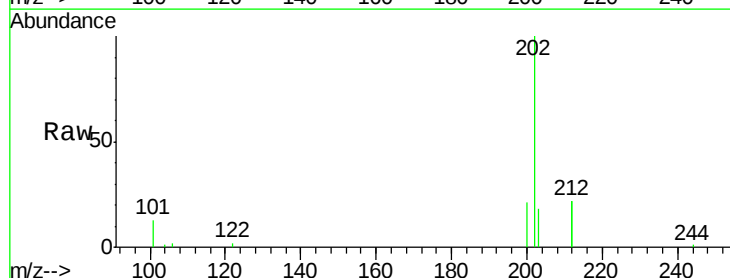
Tgt Ion:202 Resp: 12715

Ion Ratio Lower Upper

202 100

101 11.9 9.8 14.8

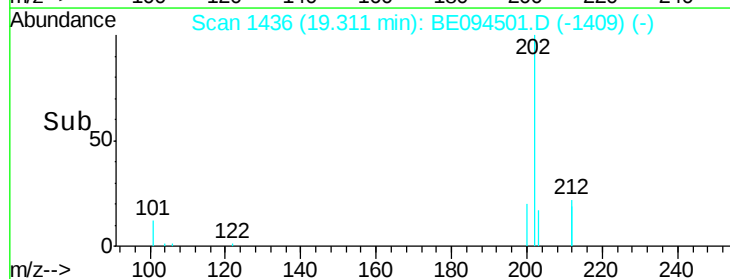
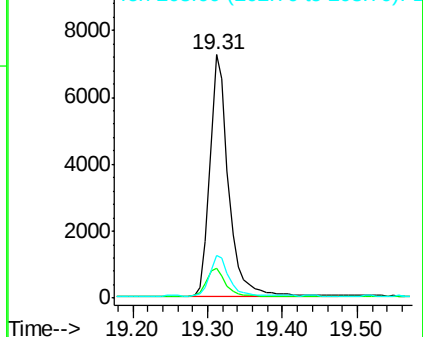
203 17.0 13.7 20.5

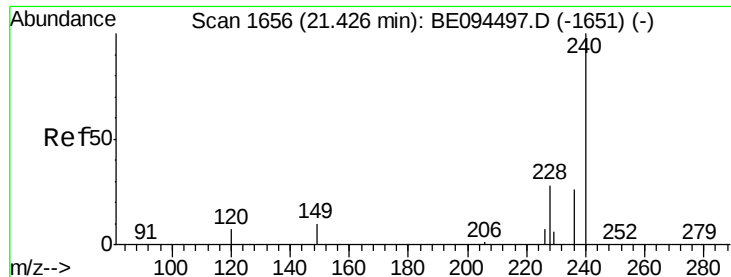


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.42 min Scan# 1654

Delta R.T. -0.01 min

Lab File: BE094501.D

Acq: 23 Oct 2017 18:33

Instrument :

BNA_E

ClientSampleId :

ICVBE102317

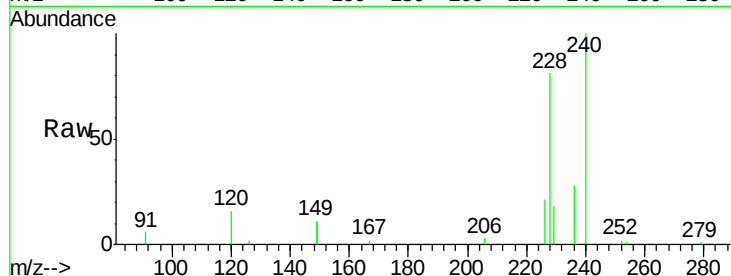
Tgt Ion:240 Resp: 9316

Ion Ratio Lower Upper

240 100

120 16.1 5.5 8.3#

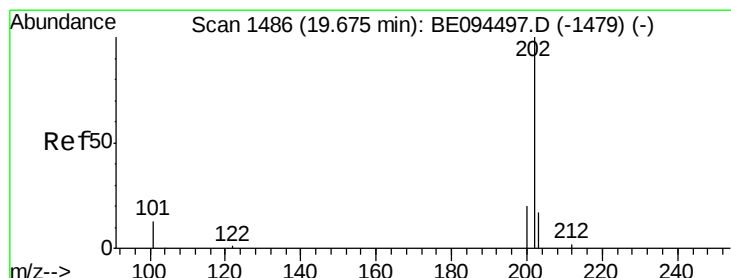
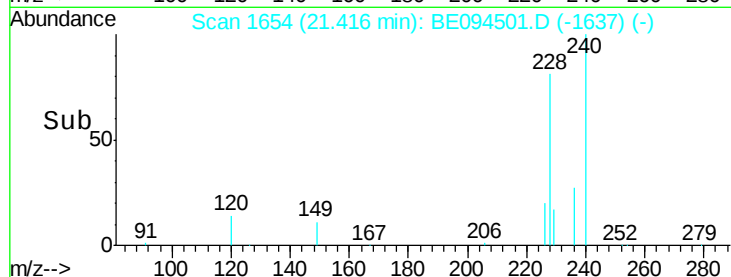
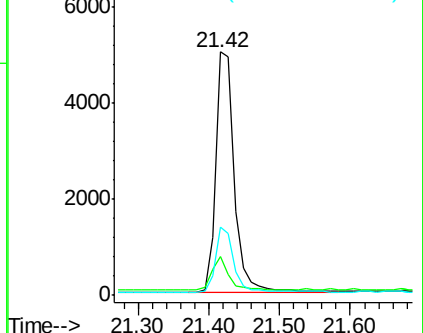
236 27.8 20.7 31.1



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: 0.406 ng

RT: 19.67 min Scan# 1485

Delta R.T. -0.00 min

Lab File: BE094501.D

Acq: 23 Oct 2017 18:33

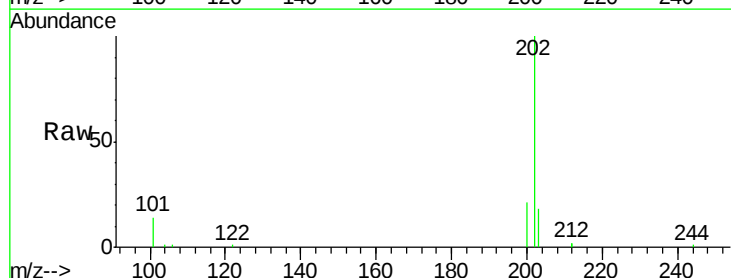
Tgt Ion:202 Resp: 13217

Ion Ratio Lower Upper

202 100

200 20.6 16.6 25.0

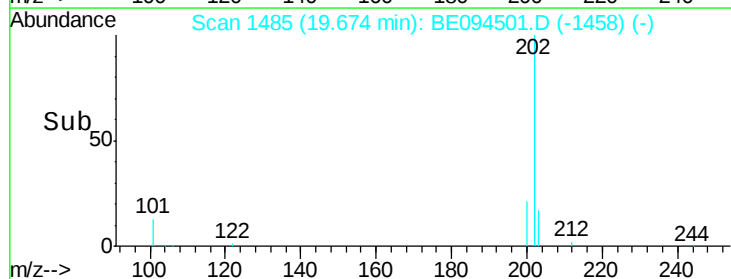
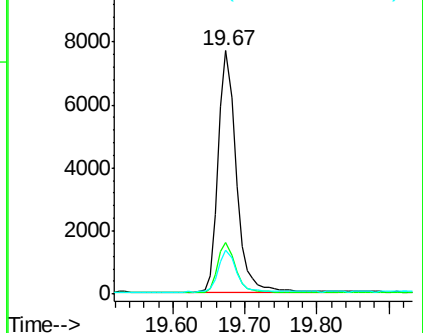
203 17.5 13.8 20.8

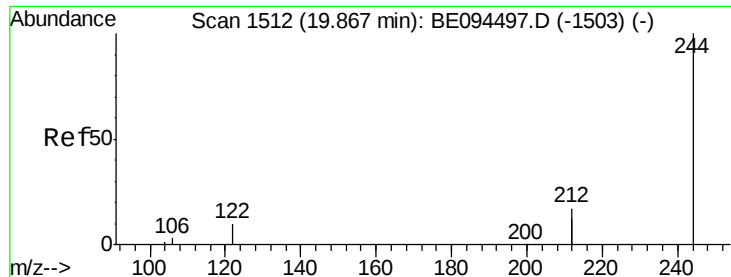


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.405 ng

RT: 19.87 min Scan# 1511

Delta R.T. -0.00 min

Lab File: BE094501.D

Acq: 23 Oct 2017 18:33

Instrument :

BNA_E

ClientSampleId :

ICVBE102317

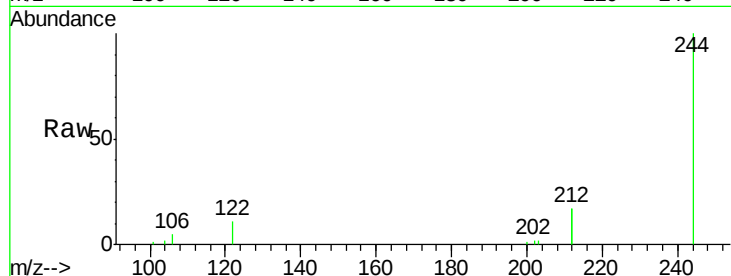
Tgt Ion:244 Resp: 7116

Ion Ratio Lower Upper

244 100

212 34.4 25.4 38.0

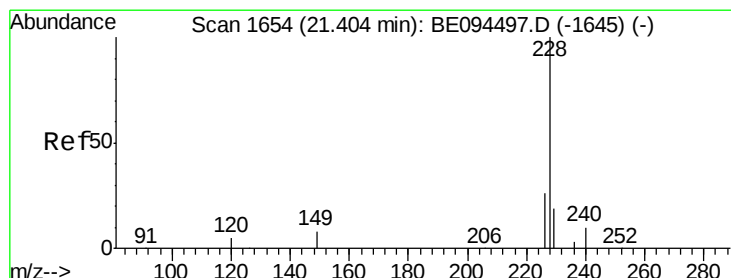
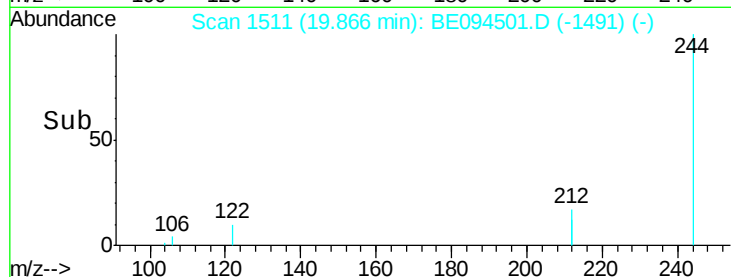
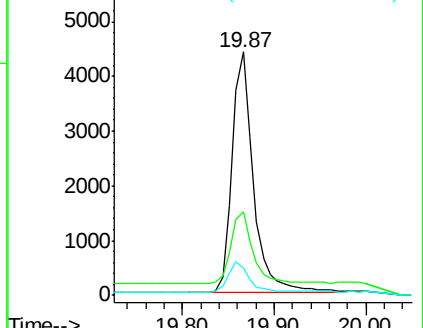
122 11.3 8.1 12.1



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: 0.414 ng

RT: 21.40 min Scan# 1653

Delta R.T. 0.00 min

Lab File: BE094501.D

Acq: 23 Oct 2017 18:33

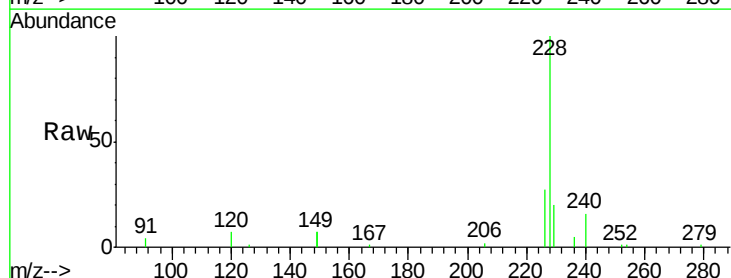
Tgt Ion:228 Resp: 12572

Ion Ratio Lower Upper

228 100

226 27.3 40.0 60.0#

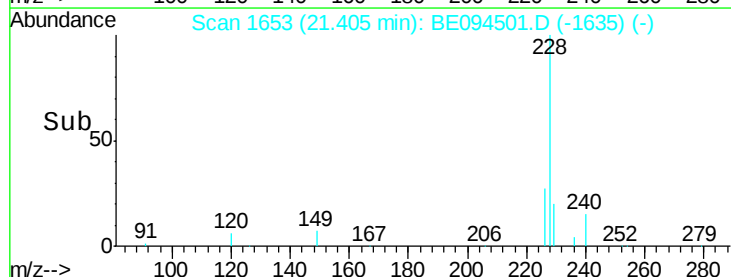
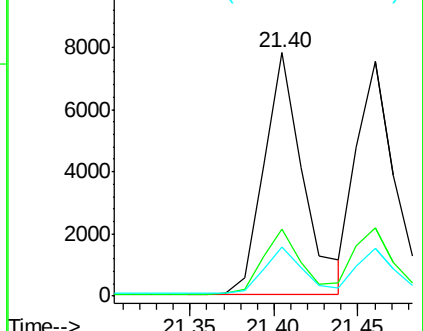
229 20.4 40.0 60.0#

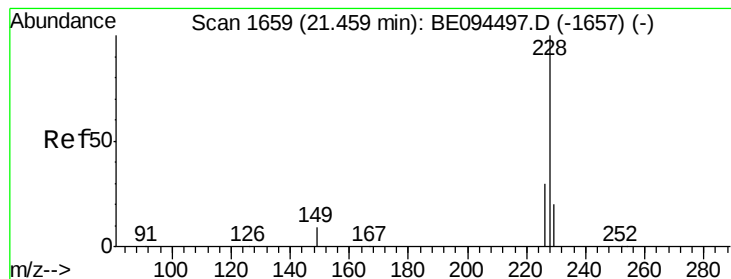


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.396 ng

RT: 21.46 min Scan# 1658

Delta R.T. 0.00 min

Lab File: BE094501.D

Acq: 23 Oct 2017 18:33

Instrument :

BNA_E

ClientSampleId :

ICVBE102317

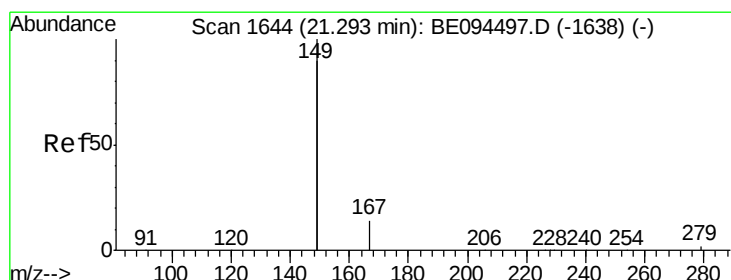
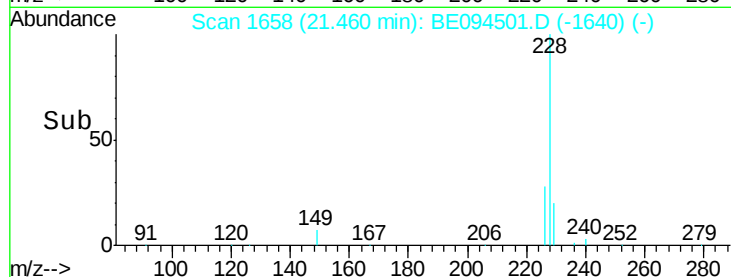
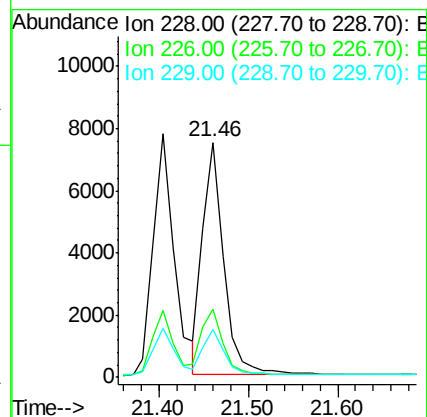
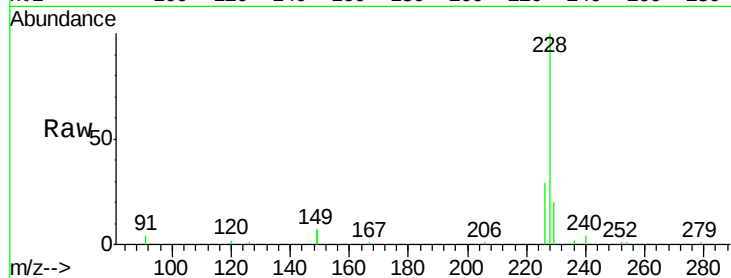
Tgt Ion:228 Resp: 12182

Ion Ratio Lower Upper

228 100

226 28.9 40.0 60.0#

229 20.4 40.0 60.0#



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.387 ng

RT: 21.28 min Scan# 1642

Delta R.T. -0.01 min

Lab File: BE094501.D

Acq: 23 Oct 2017 18:33

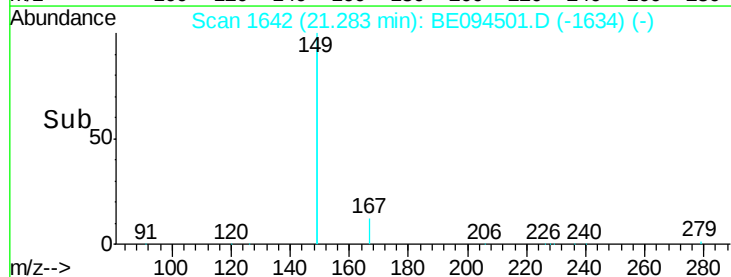
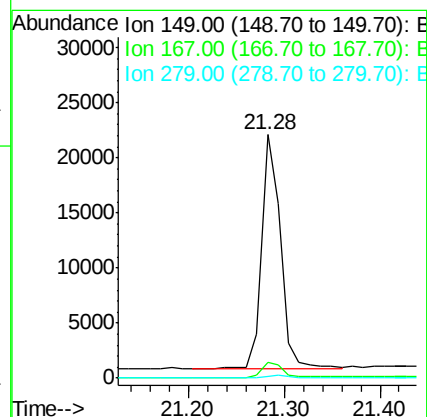
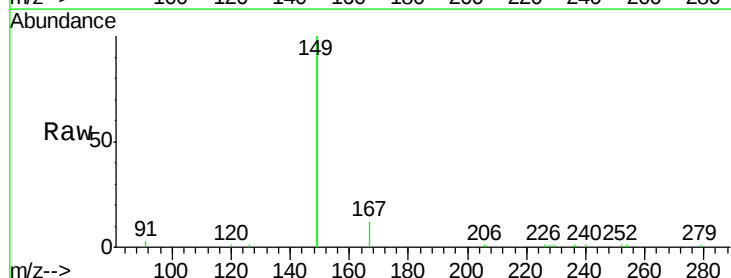
Tgt Ion:149 Resp: 28774

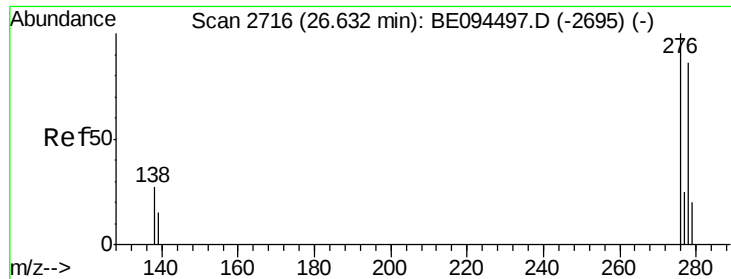
Ion Ratio Lower Upper

149 100

167 6.7 5.4 8.0

279 1.0 0.7 1.1

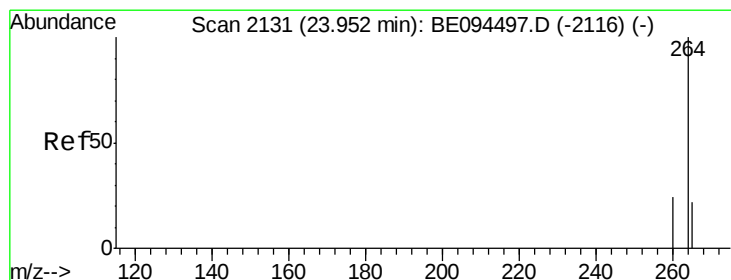
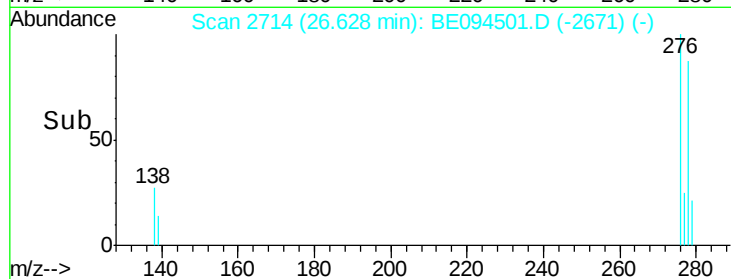
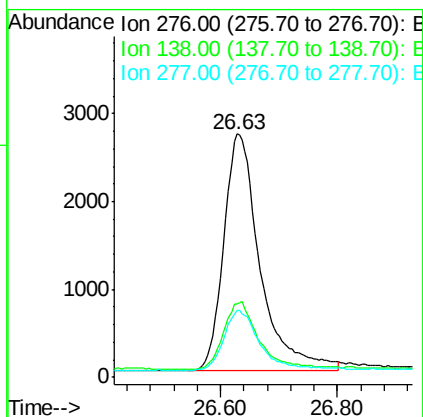
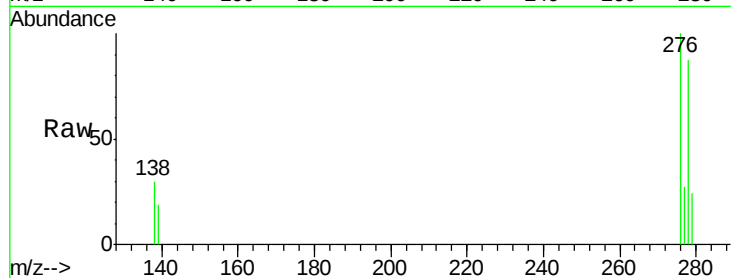




#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.409 ng
 RT: 26.63 min Scan# 2714
 Delta R.T. -0.00 min
 Lab File: BE094501.D
 Acq: 23 Oct 2017 18:33

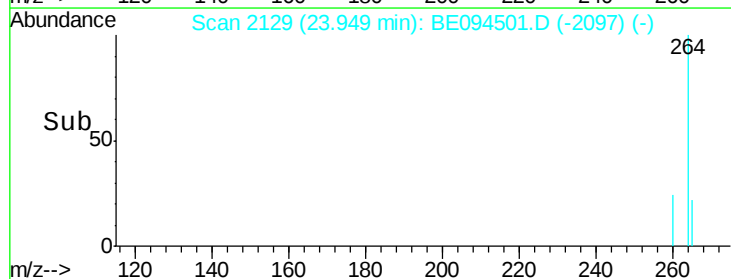
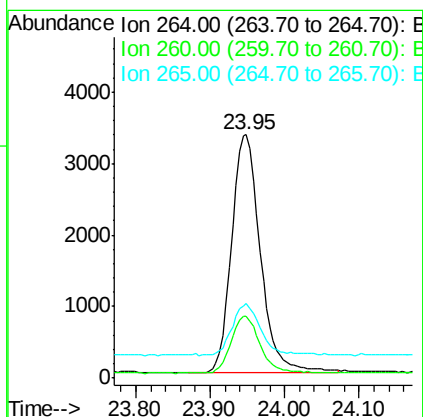
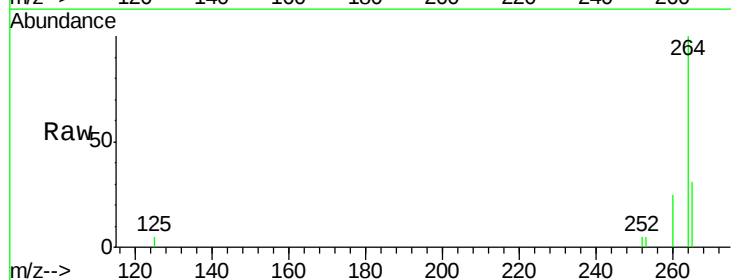
Instrument :
 BNA_E
 ClientSampleId :
 ICVBE102317

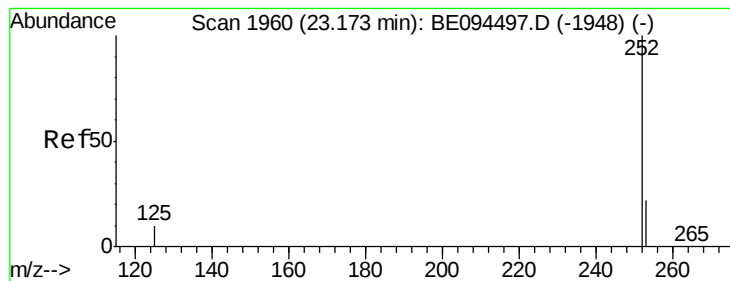
Tgt Ion: 276 Resp: 11630
 Ion Ratio Lower Upper
 276 100
 138 27.4 22.5 33.7
 277 25.4 19.9 29.9



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.95 min Scan# 2129
 Delta R.T. -0.00 min
 Lab File: BE094501.D
 Acq: 23 Oct 2017 18:33

Tgt Ion: 264 Resp: 8940
 Ion Ratio Lower Upper
 264 100
 260 25.4 20.5 30.7
 265 30.9 22.8 34.2





#35

Benzo(b)fluoranthene

Concen: 0.399 ng

RT: 23.17 min Scan# 1958

Delta R.T. -0.00 min

Lab File: BE094501.D

Acq: 23 Oct 2017 18:33

Instrument :

BNA_E

ClientSampleId :

ICVBE102317

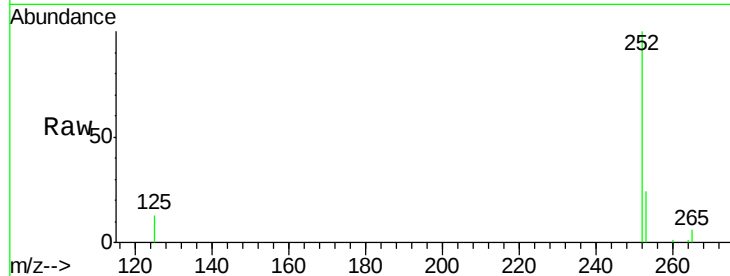
Tgt Ion:252 Resp: 11536

Ion Ratio Lower Upper

252 100

253 24.0 48.0 72.0#

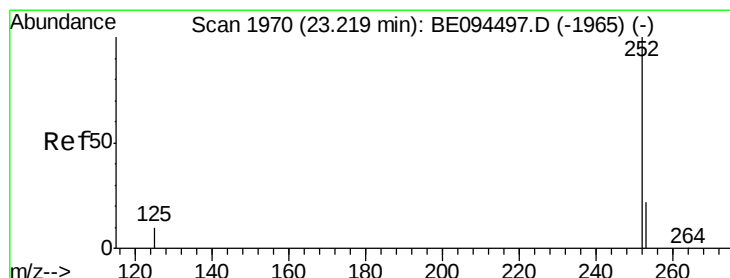
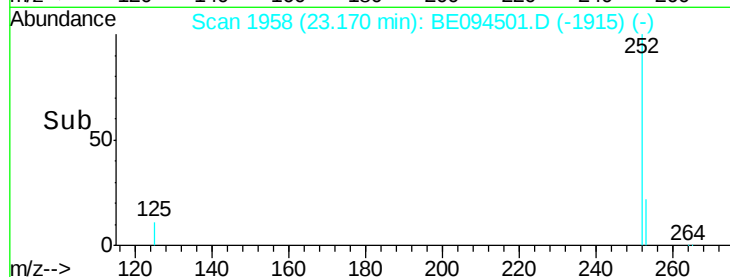
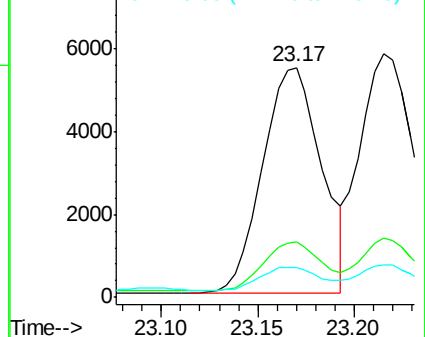
125 13.2 56.0 84.0#



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: 0.405 ng

RT: 23.22 min Scan# 1968

Delta R.T. -0.00 min

Lab File: BE094501.D

Acq: 23 Oct 2017 18:33

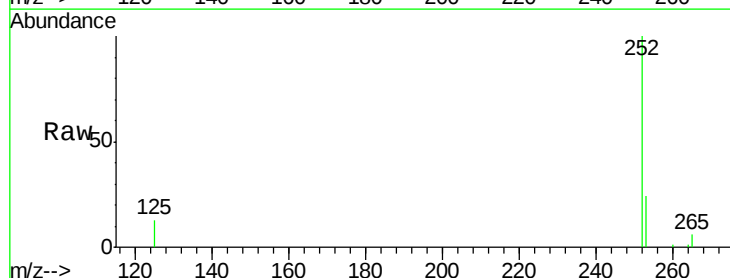
Tgt Ion:252 Resp: 12477

Ion Ratio Lower Upper

252 100

253 24.4 48.0 72.0#

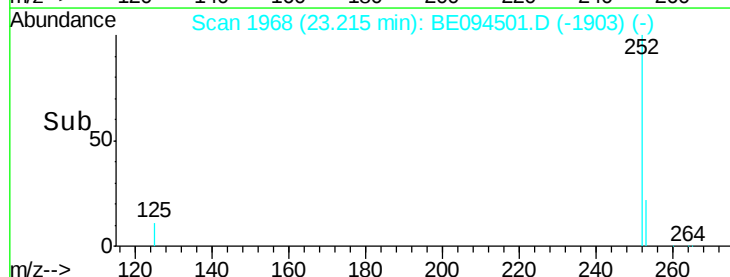
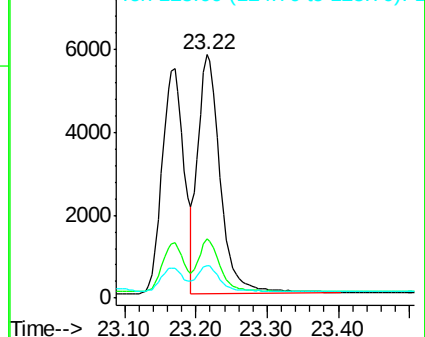
125 13.3 56.0 84.0#

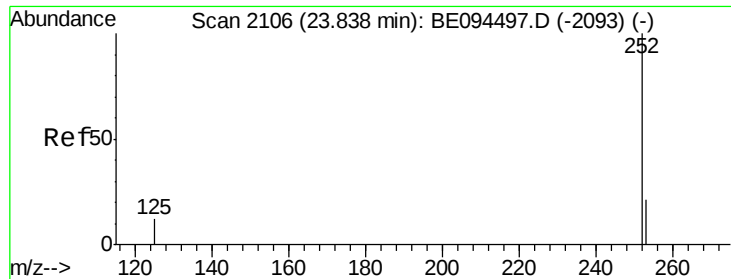


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.396 ng

RT: 23.83 min Scan# 2104

Delta R.T. -0.00 min

Lab File: BE094501.D

Acq: 23 Oct 2017 18:33

Instrument :

BNA_E

ClientSampleId :

ICVBE102317

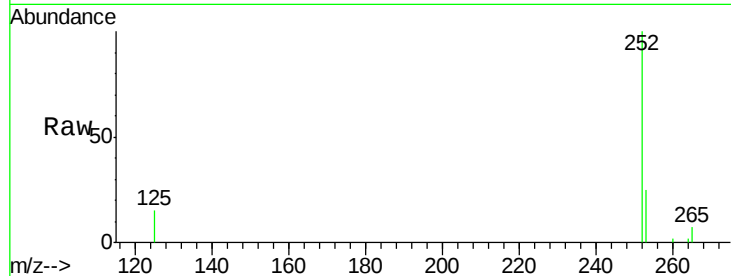
Tgt Ion:252 Resp: 11117

Ion Ratio Lower Upper

252 100

253 24.6 52.0 78.0#

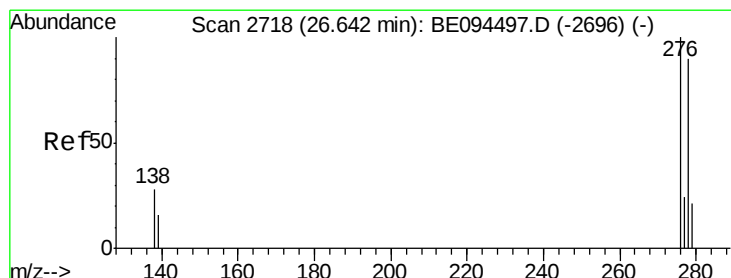
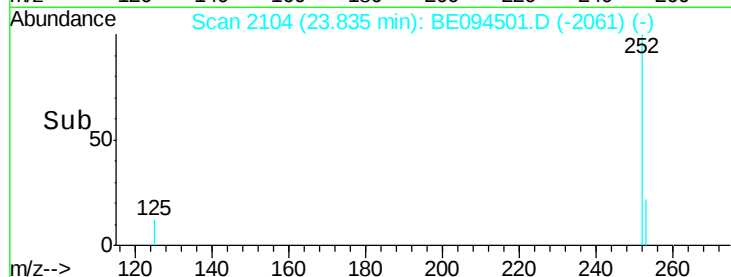
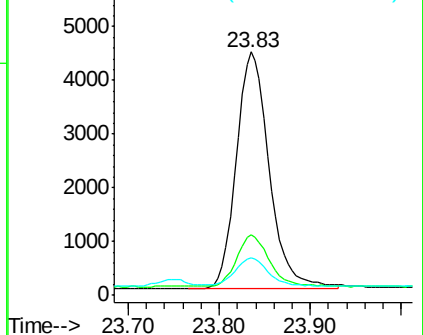
125 15.4 68.0 102.0#



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: 0.401 ng

RT: 26.64 min Scan# 2716

Delta R.T. -0.00 min

Lab File: BE094501.D

Acq: 23 Oct 2017 18:33

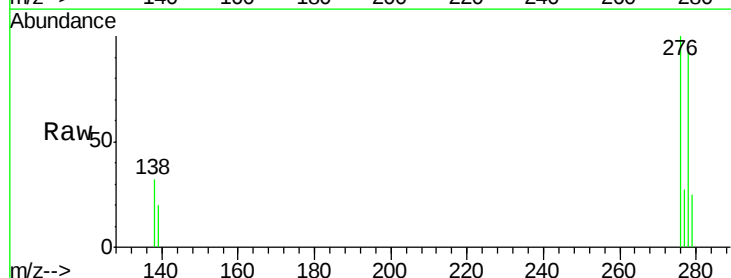
Tgt Ion:278 Resp: 10116

Ion Ratio Lower Upper

278 100

139 21.1 56.0 84.0#

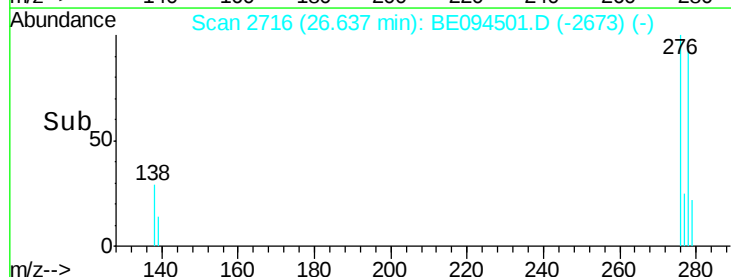
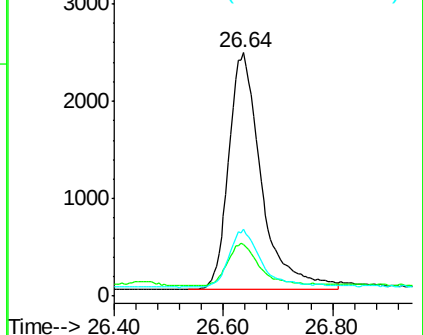
279 27.3 52.0 78.0#

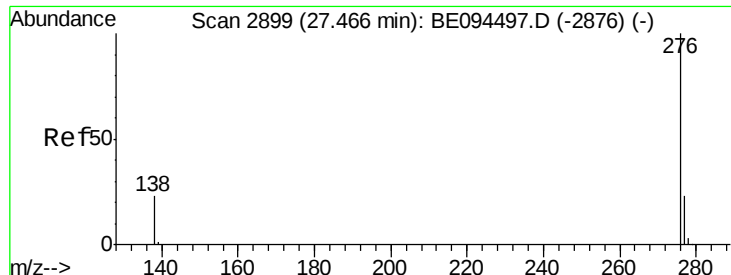


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(g,h,i)perylene

Concen: 0.408 ng

RT: 27.47 min Scan# 2899

Delta R.T. 0.00 min

Lab File: BE094501.D

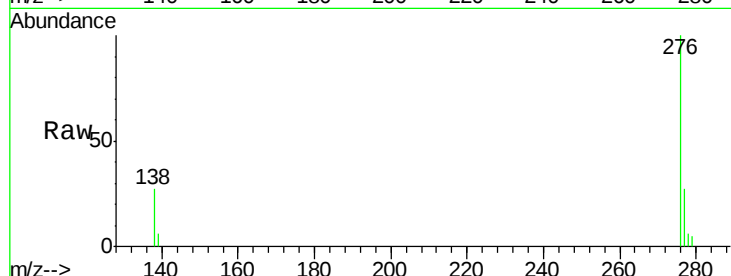
Acq: 23 Oct 2017 18:33

Instrument :

BNA_E

ClientSampleId :

ICVBE102317



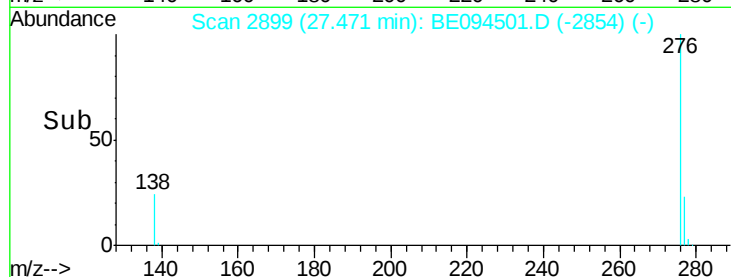
Tgt Ion: 276 Resp: 9622

Ion Ratio Lower Upper

276 100

277 26.5 52.0 78.0#

138 27.2 44.0 66.0#



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

