

Data Path : Z:\HPCHEM1\BNA E\DATA\BE120517\
 Data File : BE094916.D
 Acq On : 5 Dec 2017 16:02
 Operator : SJ/JU
 Sample : PB104744BS
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB104744BS

Quant Time: Dec 06 04:02:39 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE113017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 01 13:33:28 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.48	152	9360	0.40	ng	0.00
7) Naphthalene-d8	11.33	136	18329	0.40	ng	0.00
13) Acenaphthene-d10	15.08	164	8433	0.40	ng	0.00
19) Phenanthrene-d10	17.79	188	19921	0.40	ng	0.02
27) Chrysene-d12	21.89	240	19218	0.40	ng	0.00
34) Perylene-d12	24.57	264	15256	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.95	112	2937	0.20	ng	0.00
5) Phenol-d6	7.59	99	4980	0.23	ng	0.00
8) Nitrobenzene-d5	9.66	82	2366	0.22	ng	0.00
11) 2-Methylnaphthalene-d10	12.87	152	9881	0.34	ng	0.00
14) 2,4,6-Tribromophenol	16.53	330	275	0.23	ng	0.00
15) 2-Fluorobiphenyl	13.71	172	14955	0.41	ng	0.00
25) Fluoranthene-d10	19.77	212	83325	0.31	ng	0.00
29) Terphenyl-d14	20.33	244	15823	0.45	ng	0.00

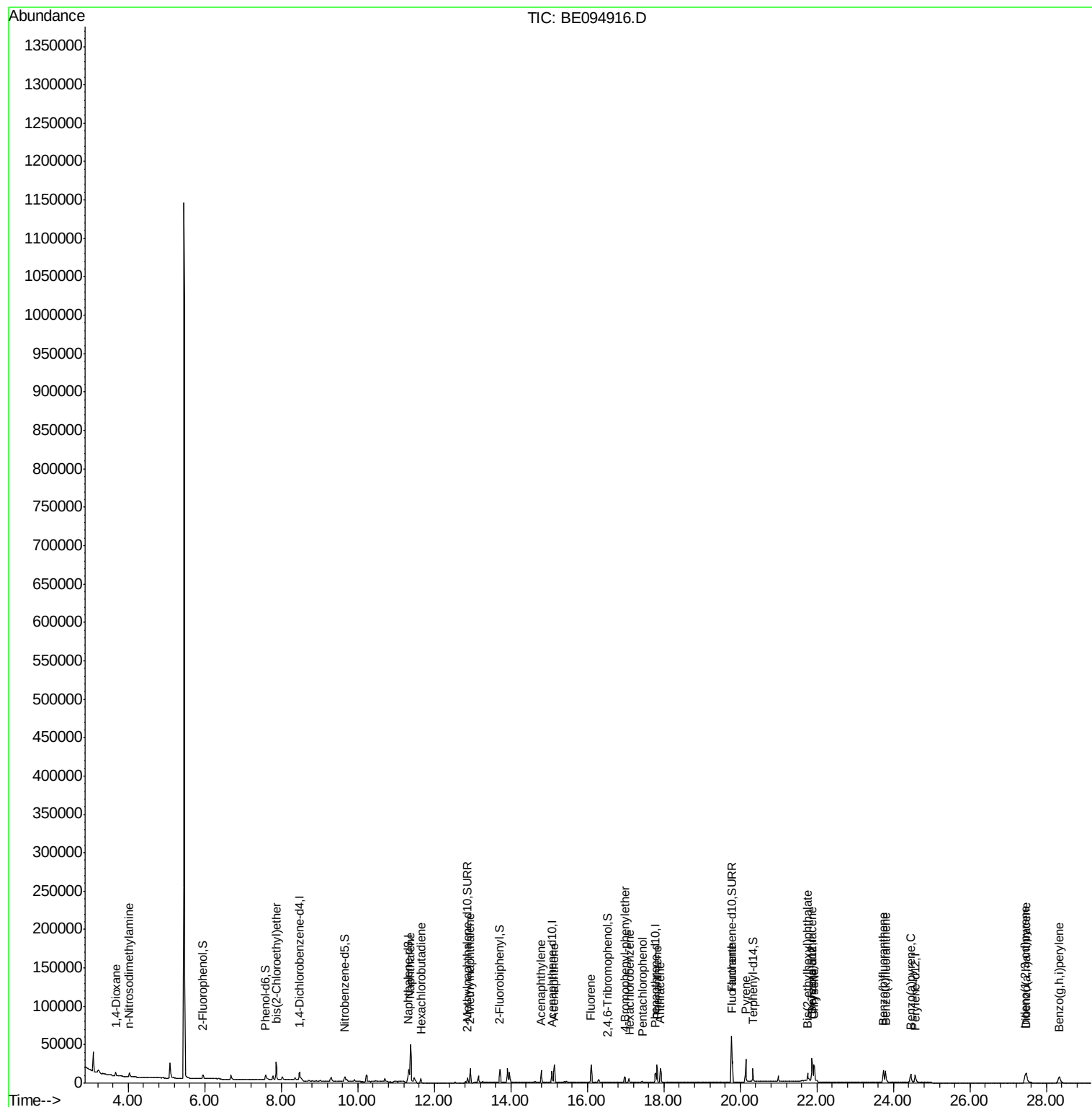
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.68	88	2861	0.292	ng	# 45
3) n-Nitrosodimethylamine	4.02	42	4518	0.362	ng	# 74
6) bis(2-Chloroethyl)ether	7.88	93	7616	0.350	ng	99
9) Naphthalene	11.38	128	84431	0.393	ng	99
10) Hexachlorobutadiene	11.64	225	3600	0.397	ng	97
12) 2-Methylnaphthalene	12.94	142	19829	0.371	ng	99
16) Acenaphthylene	14.79	152	17275	0.363	ng	100
17) Acenaphthene	15.14	154	11472	0.372	ng	93
18) Fluorene	16.10	166	14051	0.359	ng	# 77
20) 4-Bromophenyl-phenylether	16.98	248	4283	0.385	ng	# 67
21) Hexachlorobenzene	17.10	284	4292	0.396	ng	# 81
22) Pentachlorophenol	17.43	266	1024	0.419	ng	# 73
23) Phenanthrene	17.82	178	25114	0.396	ng	98
24) Anthracene	17.91	178	24772	0.368	ng	# 93
26) Fluoranthene	19.79	202	28705	0.352	ng	100
28) Pyrene	20.14	202	29016	0.437	ng	96
30) Benzo(a)anthracene	21.87	228	23815	0.404	ng	# 61
31) Chrysene	21.92	228	27207	0.418	ng	# 65
32) Bis(2-ethylhexyl)phthalate	21.76	149	10932	0.112	ng	100
33) Indeno(1,2,3-cd)pyrene	27.44	276	22712	0.426	ng	99
35) Benzo(b)fluoranthene	23.73	252	22762	0.409	ng	# 40
36) Benzo(k)fluoranthene	23.79	252	22638	0.399	ng	# 40
37) Benzo(a)pyrene	24.45	252	20086	0.411	ng	# 34
38) Dibenzo(a,h)anthracene	27.48	278	18518	0.411	ng	# 43
39) Benzo(g,h,i)perylene	28.33	276	20730	0.460	ng	# 53

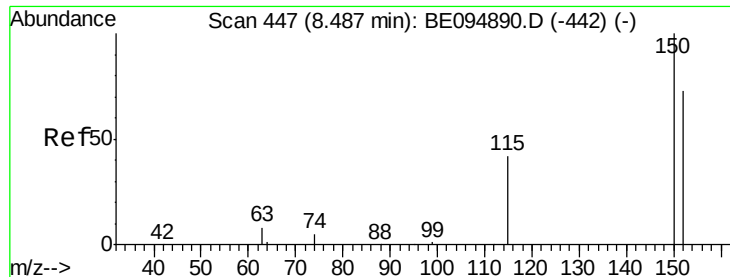
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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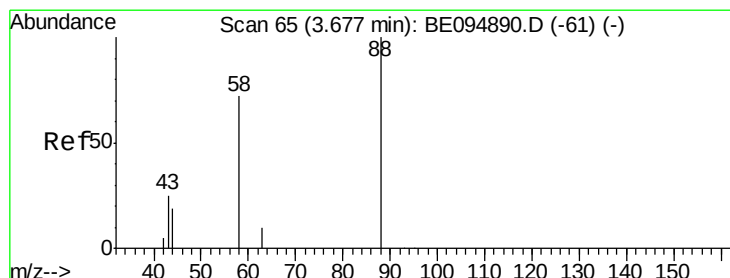
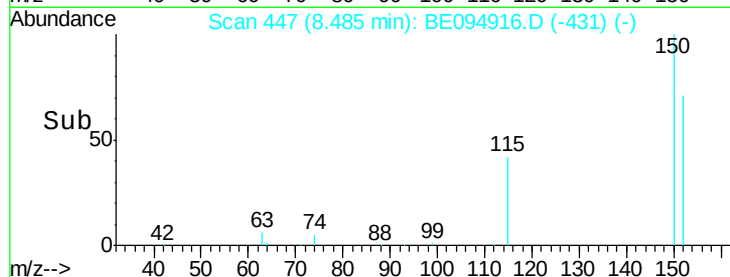
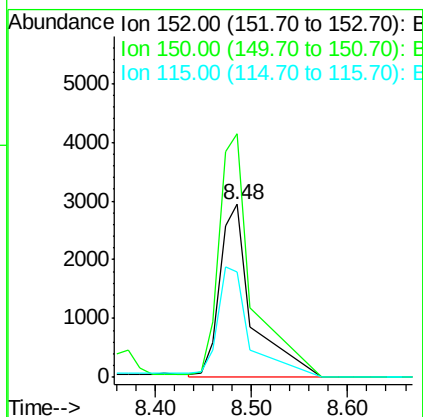
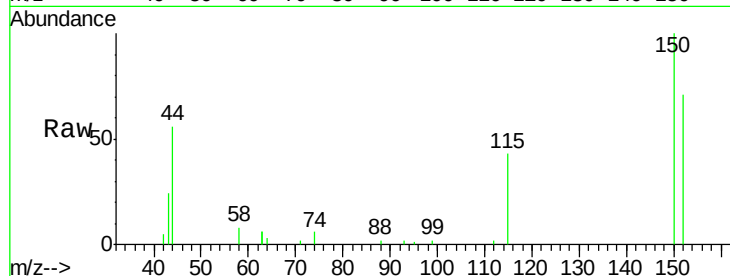


#1

1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.48 min Scan# 447
Delta R.T. -0.00 min
Lab File: BE094916.D
Acq: 5 Dec 2017 16:02

Instrument :
BNA_E
ClientSampleId :
PB104744BS

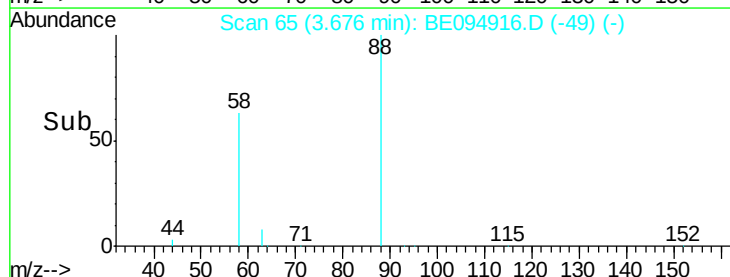
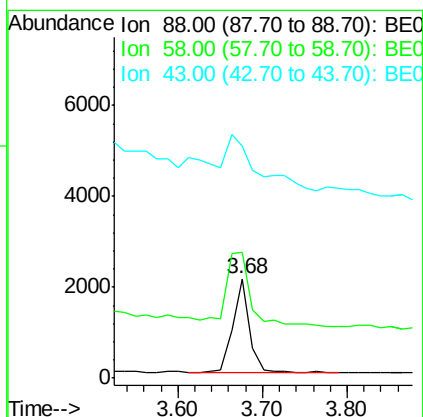
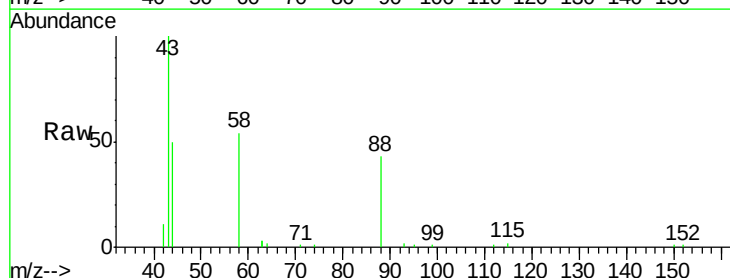
Tot Ion:152 Resp: 9360
Ion Ratio Lower Upper
152 100
150 140.9 117.2 175.8
115 60.9 57.0 85.6

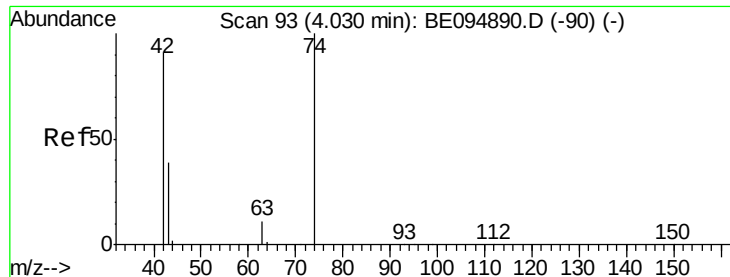


#2

1,4-Dioxane
Concen: 0.292 ng
RT: 3.68 min Scan# 65
Delta R.T. -0.00 min
Lab File: BE094916.D
Acq: 5 Dec 2017 16:02

Tgt Ion: 88 Resp: 2861
Ion Ratio Lower Upper
88 100
58 116.2 63.2 94.8#
43 103.4 41.2 61.8#





#3

n-Nitrosodimethylamine

Concen: 0.362 ng

RT: 4.02 min Scan# 92

Delta R.T. -0.01 min

Lab File: BE094916.D

Acq: 5 Dec 2017 16:02

Instrument :

BNA_E

ClientSampleId :

PB104744BS

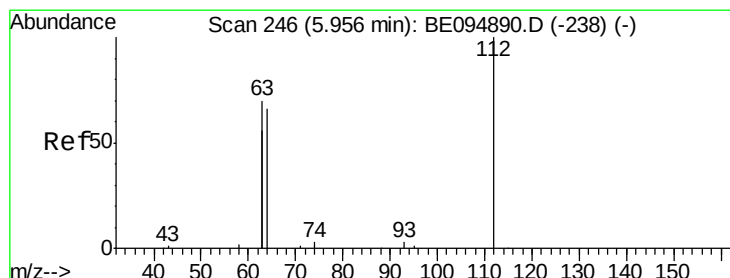
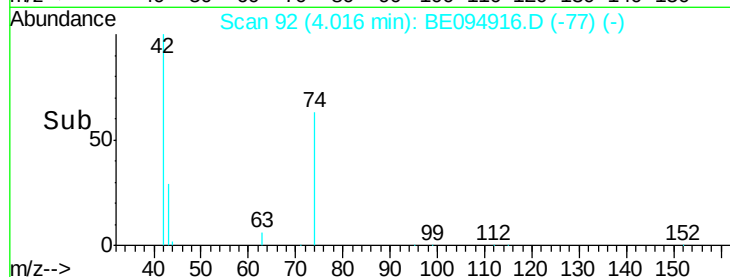
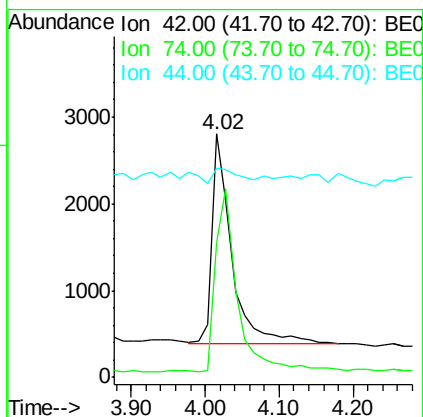
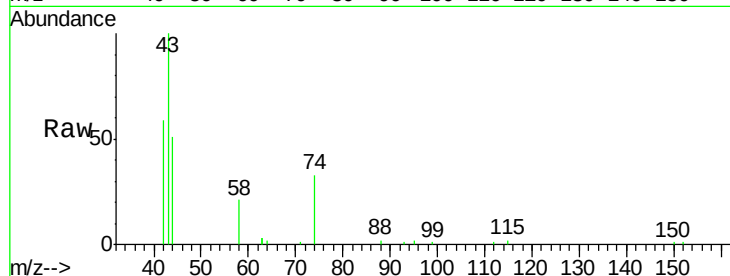
Tot Ion: 42 Resp: 4518

Ion Ratio Lower Upper

42 100

74 95.8 100.3 150.5#

44 9.1 17.0 25.4#



#4

2-Fluorophenol

Concen: 0.198 ng

RT: 5.95 min Scan# 246

Delta R.T. -0.00 min

Lab File: BE094916.D

Acq: 5 Dec 2017 16:02

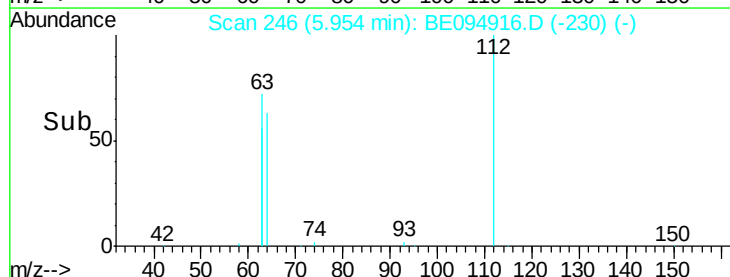
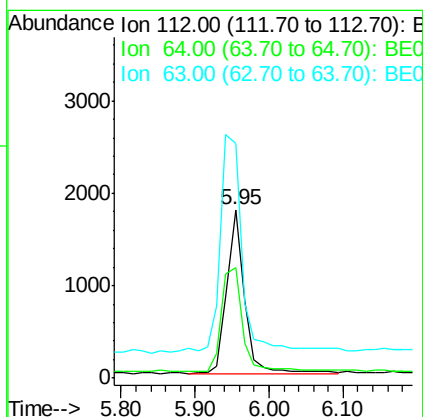
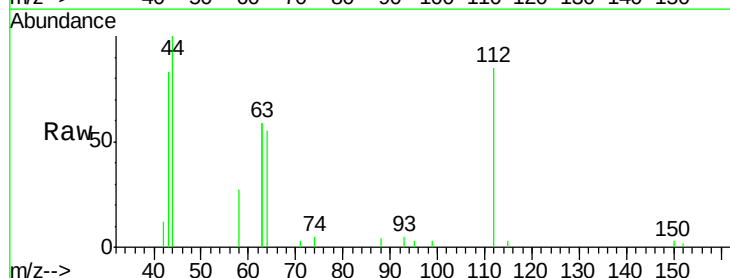
Tgt Ion: 112 Resp: 2937

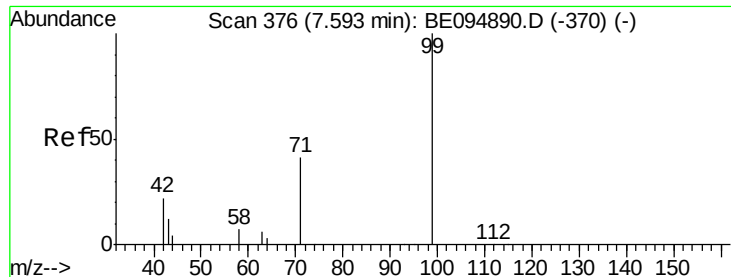
Ion Ratio Lower Upper

112 100

64 75.2 60.1 90.1

63 164.4 116.8 175.2





#5

Phenol-d6

Concen: 0.227 ng

RT: 7.59 min Scan# 376

Delta R.T. -0.00 min

Lab File: BE094916.D

Acq: 5 Dec 2017 16:02

Instrument :

BNA_E

ClientSampleId :

PB104744BS

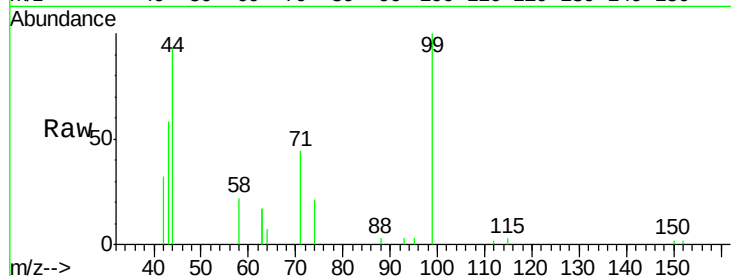
Tot Ion: 99 Resp: 4980

Ion Ratio Lower Upper

99 100

42 26.9 20.2 30.2

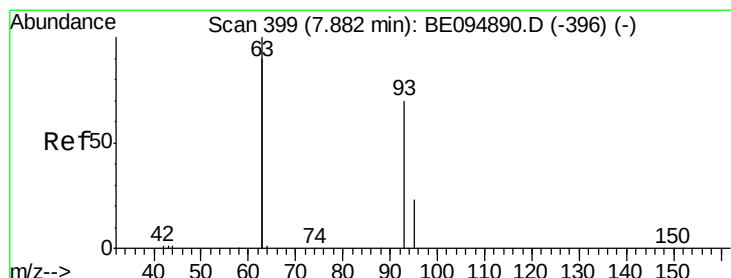
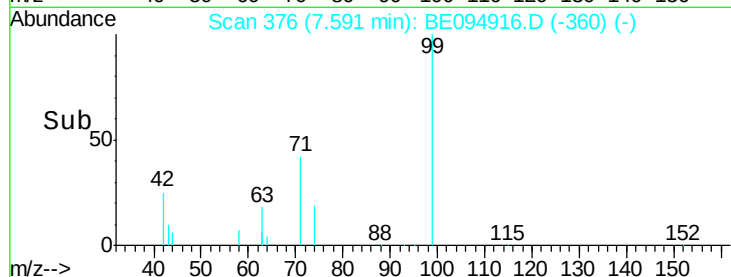
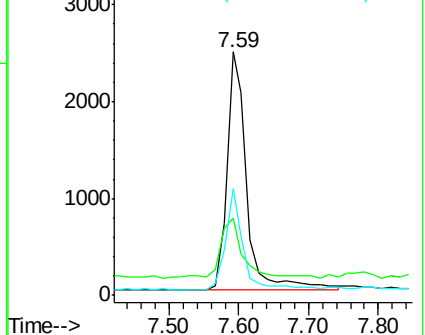
71 37.5 28.4 42.6



Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



#6

bis(2-Chloroethyl)ether

Concen: 0.350 ng

RT: 7.88 min Scan# 399

Delta R.T. -0.00 min

Lab File: BE094916.D

Acq: 5 Dec 2017 16:02

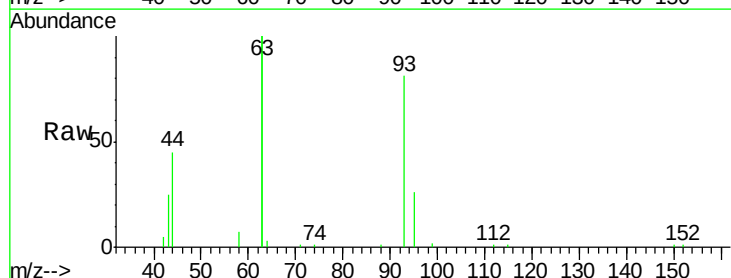
Tgt Ion: 93 Resp: 7616

Ion Ratio Lower Upper

93 100

63 345.6 275.3 412.9

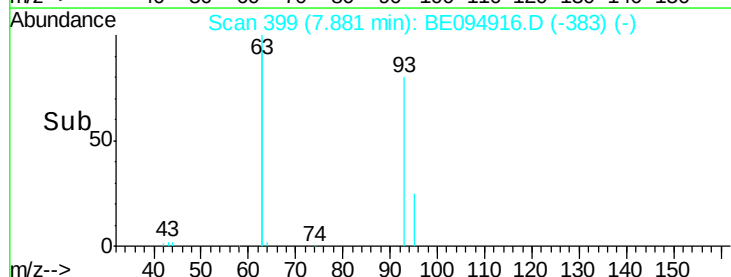
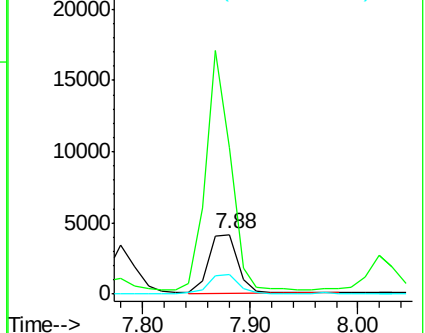
95 30.7 25.2 37.8

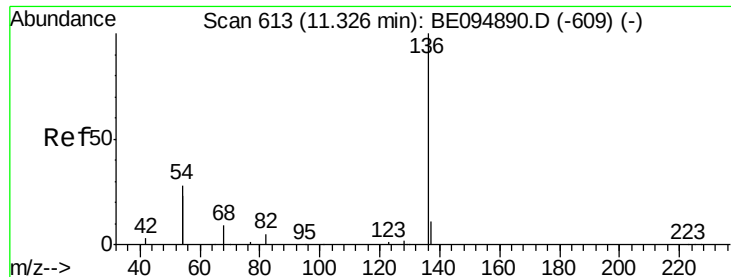


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 11.33 min Scan# 613

Delta R.T. -0.00 min

Lab File: BE094916.D

Acq: 5 Dec 2017 16:02

Instrument :

BNA_E

ClientSampleId :

PB104744BS

Tot Ion:136 Resp: 18329

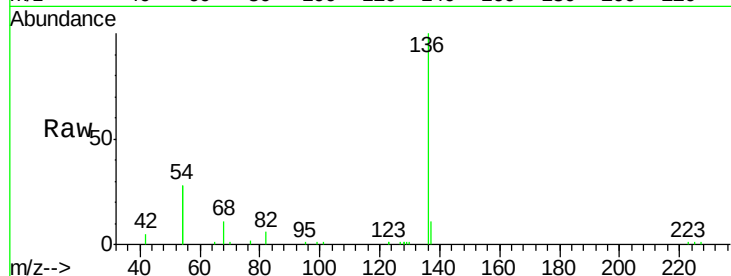
Ion Ratio Lower Upper

136 100

137 11.1 9.5 14.3

54 56.6 29.1 43.7#

68 11.0 6.2 9.2#

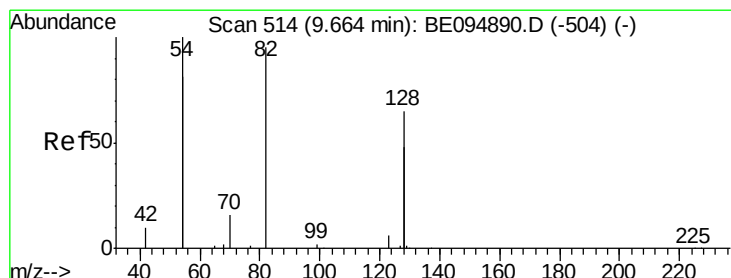
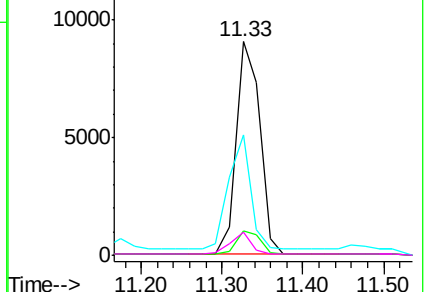
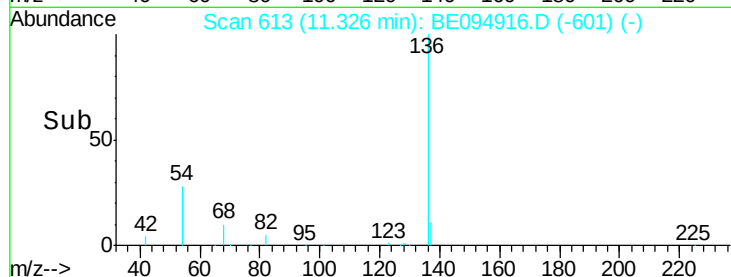


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.218 ng

RT: 9.66 min Scan# 514

Delta R.T. -0.00 min

Lab File: BE094916.D

Acq: 5 Dec 2017 16:02

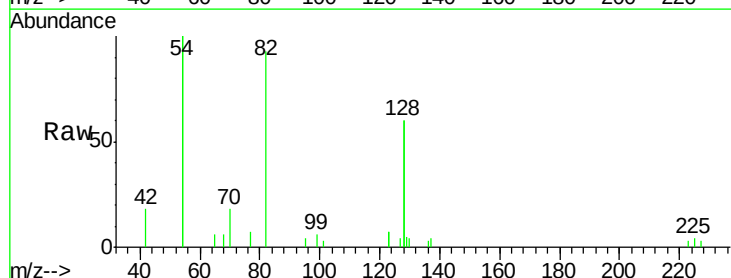
Tgt Ion: 82 Resp: 2366

Ion Ratio Lower Upper

82 100

128 128.7 150.0 225.0#

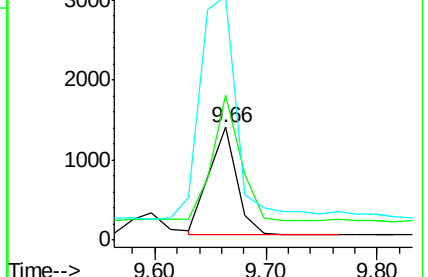
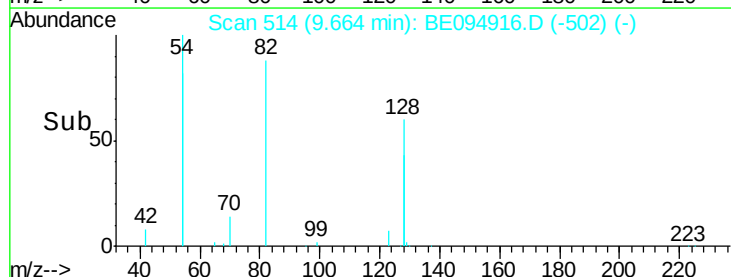
54 216.2 154.2 231.4

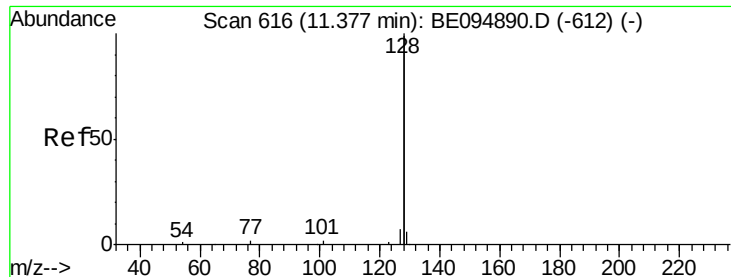


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.393 ng

RT: 11.38 min Scan# 616

Delta R.T. -0.00 min

Lab File: BE094916.D

Acq: 5 Dec 2017 16:02

Instrument :

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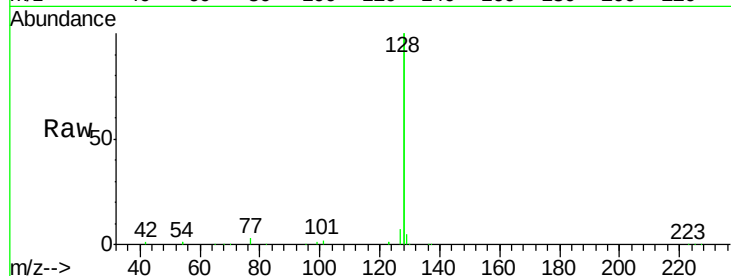
Tot Ion:128 Resp: 84431

Ion Ratio Lower Upper

128 100

129 2.7 2.6 3.8

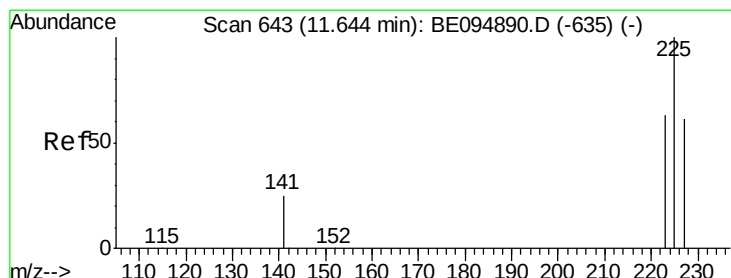
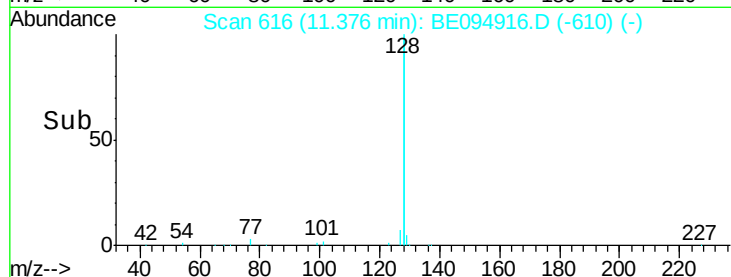
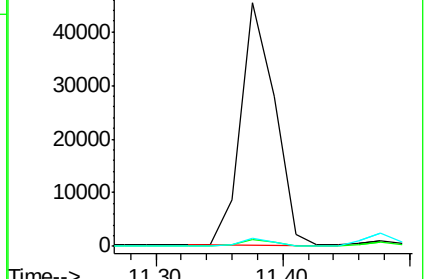
127 3.5 2.8 4.2



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: 0.397 ng

RT: 11.64 min Scan# 643

Delta R.T. 0.00 min

Lab File: BE094916.D

Acq: 5 Dec 2017 16:02

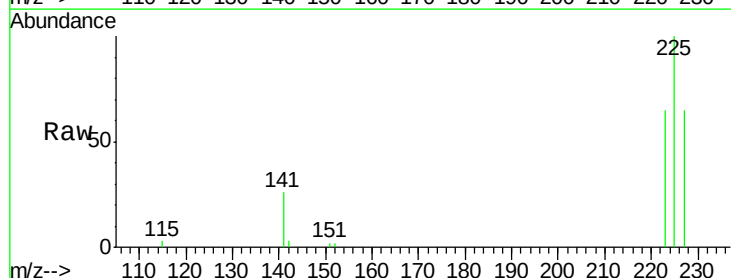
Tgt Ion:225 Resp: 3600

Ion Ratio Lower Upper

225 100

223 63.5 53.0 79.6

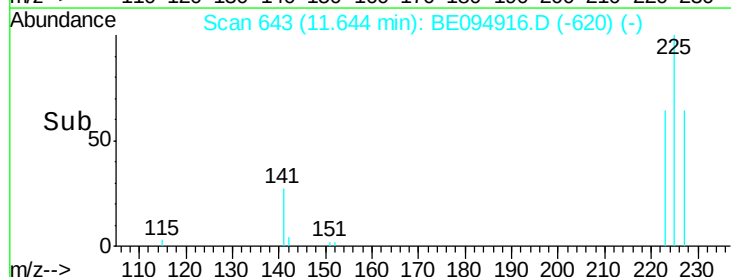
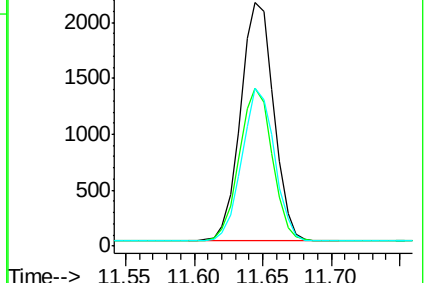
227 62.7 51.4 77.2

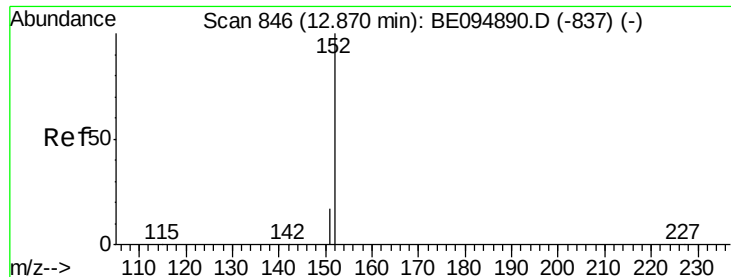


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.338 ng

RT: 12.87 min Scan# 846

Delta R.T. 0.00 min

Lab File: BE094916.D

Acq: 5 Dec 2017 16:02

Instrument :

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ClientSampleId :

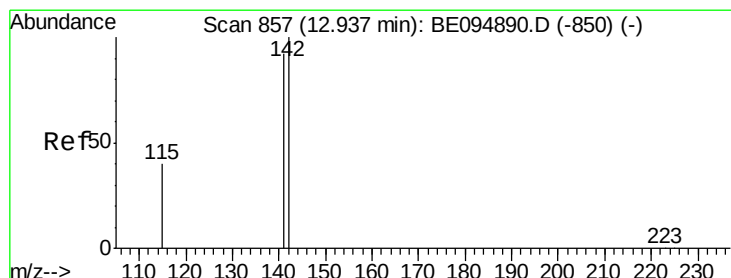
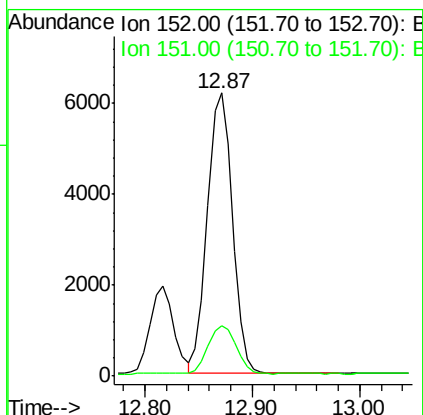
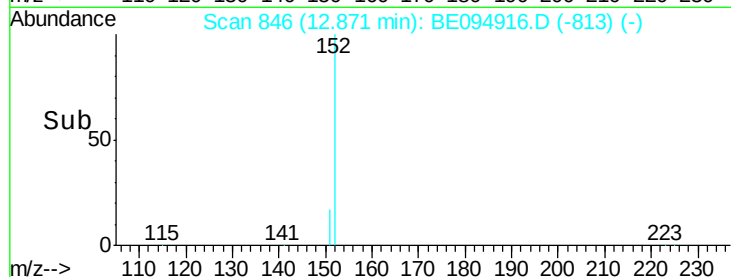
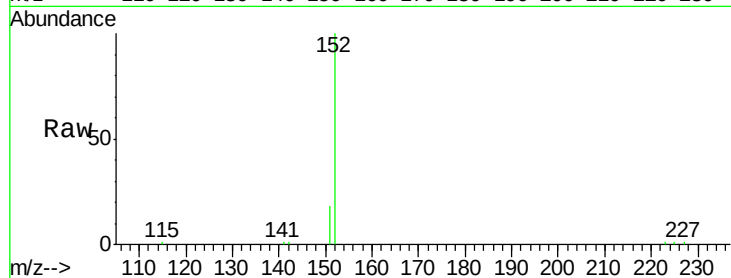
PB104744BS

Tot Ion:152 Resp: 9881

Ion Ratio Lower Upper

152 100

151 19.2 15.4 23.0



#12

2-Methylnaphthalene

Concen: 0.371 ng

RT: 12.94 min Scan# 858

Delta R.T. 0.01 min

Lab File: BE094916.D

Acq: 5 Dec 2017 16:02

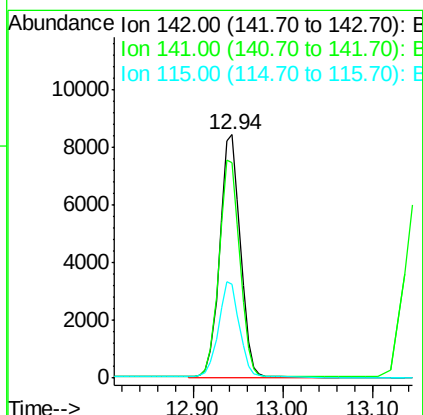
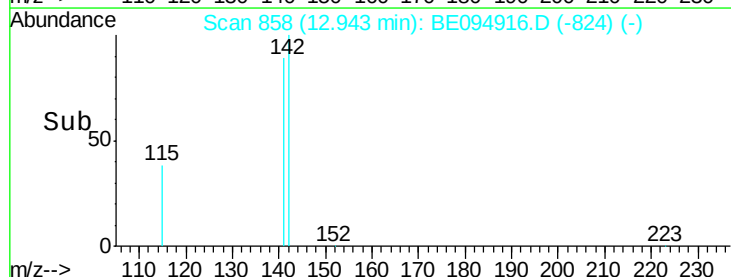
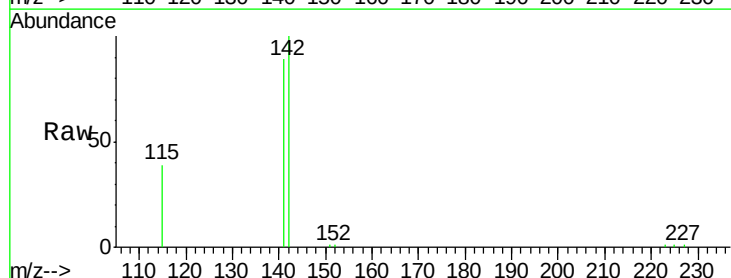
Tgt Ion:142 Resp: 19829

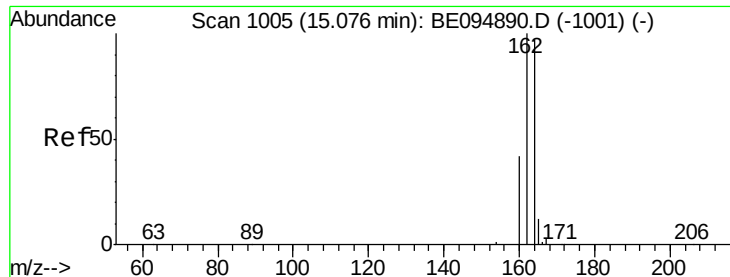
Ion Ratio Lower Upper

142 100

141 88.6 70.4 105.6

115 38.8 31.7 47.5





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 15.08 min Scan# 1005

Delta R.T. 0.00 min

Lab File: BE094916.D

Acq: 5 Dec 2017 16:02

Instrument :

BNA_E

ClientSampleId :

PB104744BS

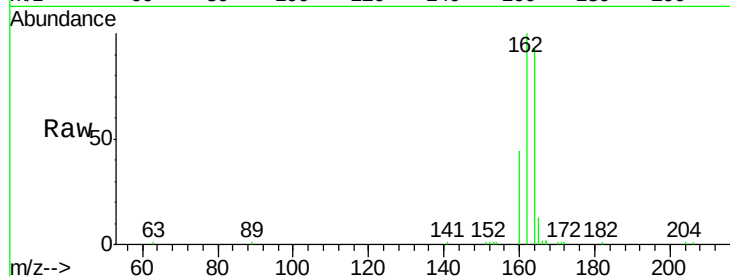
Tot Ion:164 Resp: 8433

Ion Ratio Lower Upper

164 100

162 107.8 83.1 124.7

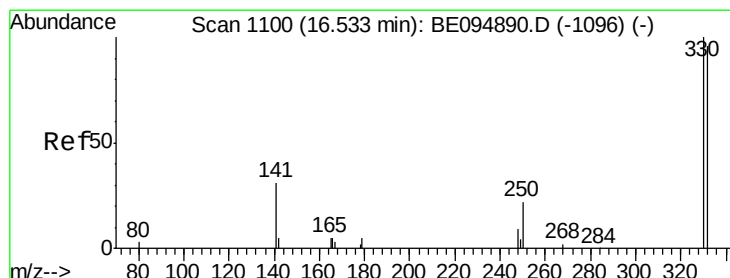
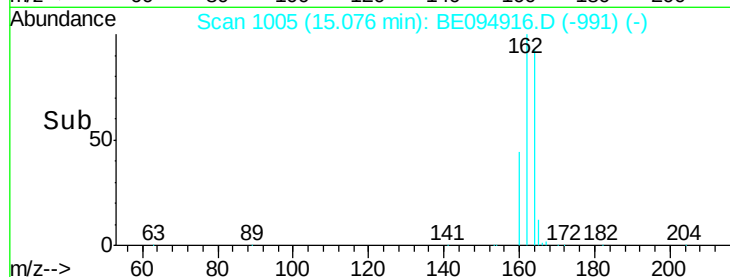
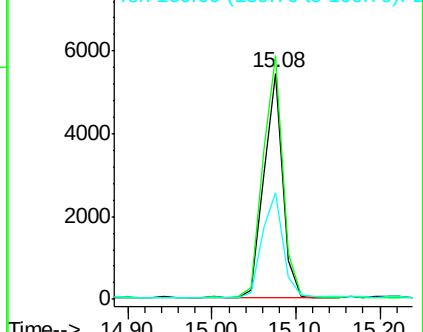
160 47.4 37.1 55.7



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: 0.230 ng

RT: 16.53 min Scan# 1100

Delta R.T. 0.00 min

Lab File: BE094916.D

Acq: 5 Dec 2017 16:02

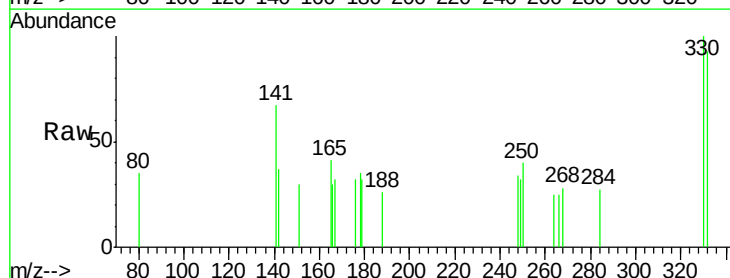
Tgt Ion:330 Resp: 275

Ion Ratio Lower Upper

330 100

332 116.0 152.7 229.1#

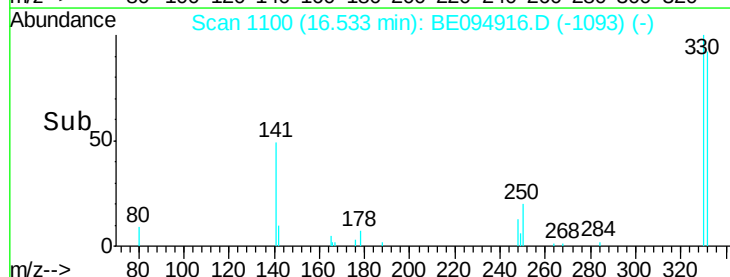
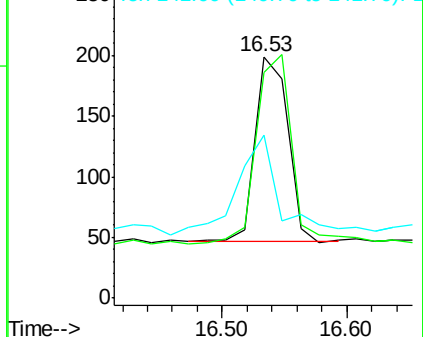
141 72.7 33.7 50.5#

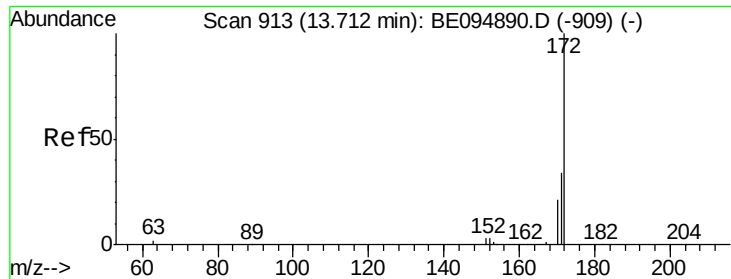


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

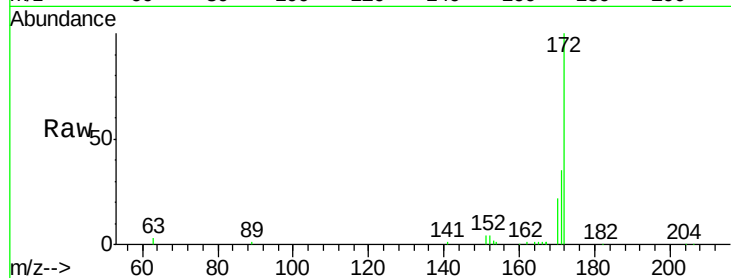




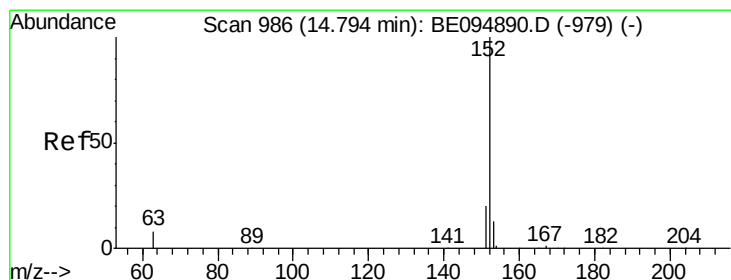
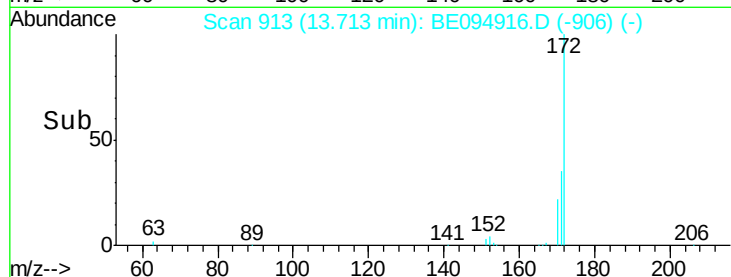
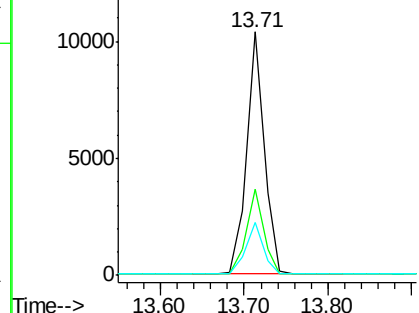
#15
2-Fluorobiphenyl
Concen: 0.414 ng
RT: 13.71 min Scan# 913
Delta R.T. 0.00 min
Lab File: BE094916.D
Acq: 5 Dec 2017 16:02

Instrument :
BNA_E
ClientSampleId :
PB104744BS

Tot Ion:172 Resp: 14955
Ion Ratio Lower Upper
172 100
171 35.3 29.9 44.9
170 22.0 21.8 32.8

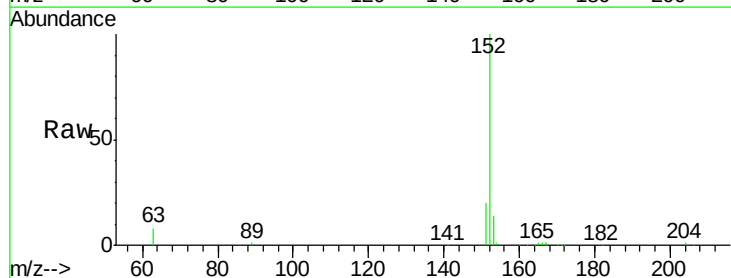


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

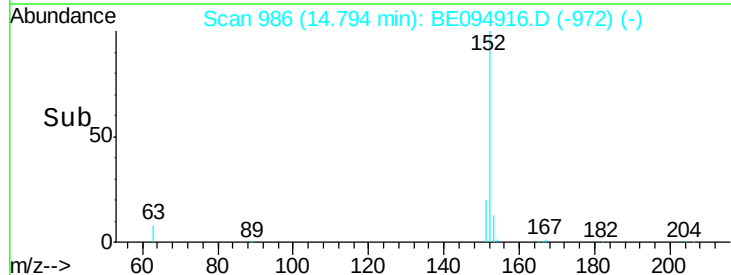
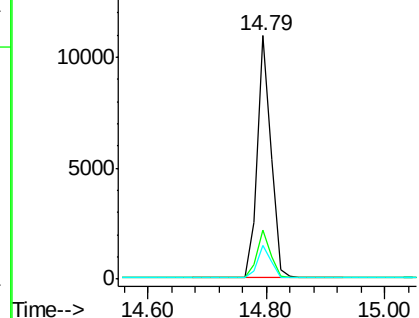


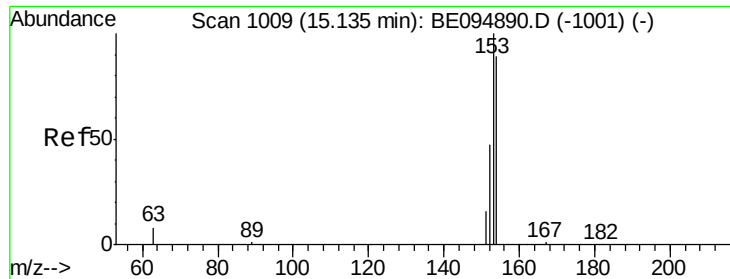
#16
Acenaphthylene
Concen: 0.363 ng
RT: 14.79 min Scan# 986
Delta R.T. 0.00 min
Lab File: BE094916.D
Acq: 5 Dec 2017 16:02

Tgt Ion:152 Resp: 17275
Ion Ratio Lower Upper
152 100
151 19.7 15.7 23.5
153 13.4 10.5 15.7



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: 0.372 ng

RT: 15.14 min Scan# 1009

Delta R.T. 0.00 min

Lab File: BE094916.D

Acq: 5 Dec 2017 16:02

Instrument :

BNA_E

ClientSampleId :

PB104744BS

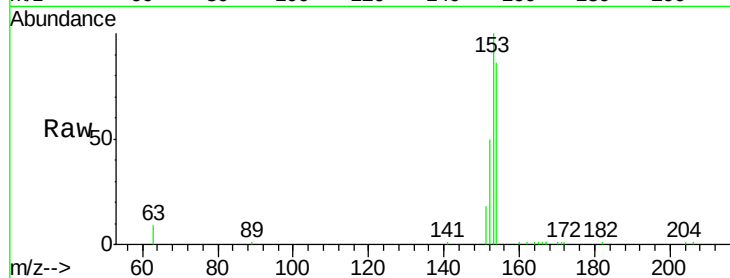
Tot Ion:154 Resp: 11472

Ion Ratio Lower Upper

154 100

153 116.9 89.2 133.8

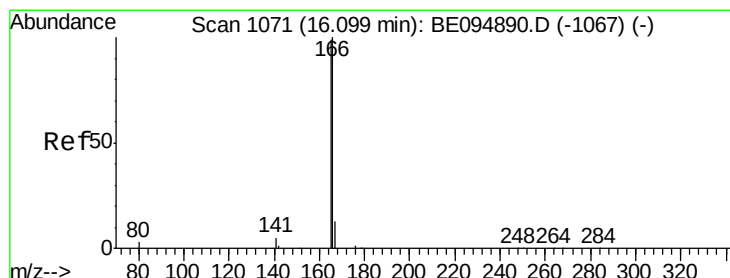
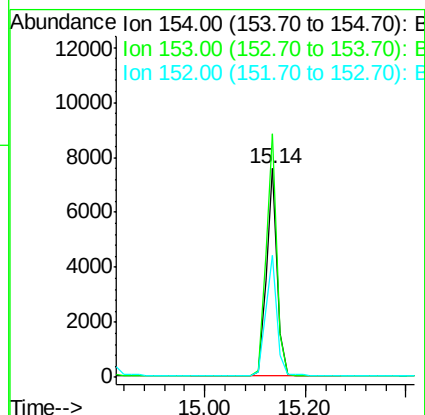
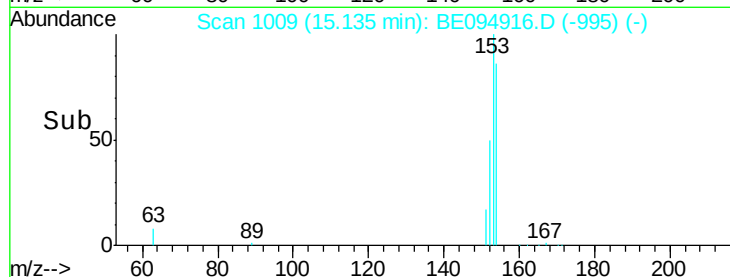
152 60.6 42.0 63.0



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: 0.359 ng

RT: 16.10 min Scan# 1071

Delta R.T. 0.00 min

Lab File: BE094916.D

Acq: 5 Dec 2017 16:02

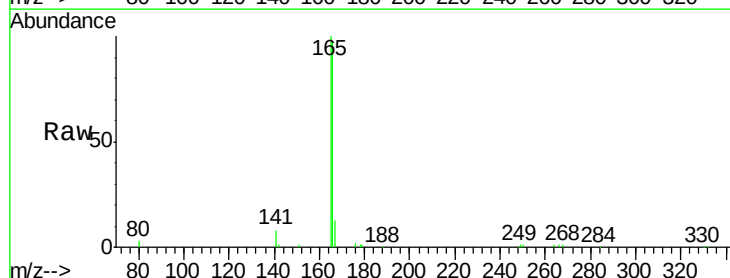
Tgt Ion:166 Resp: 14051

Ion Ratio Lower Upper

166 100

165 101.9 77.8 116.6

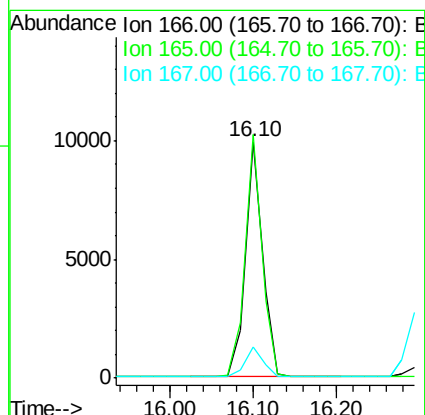
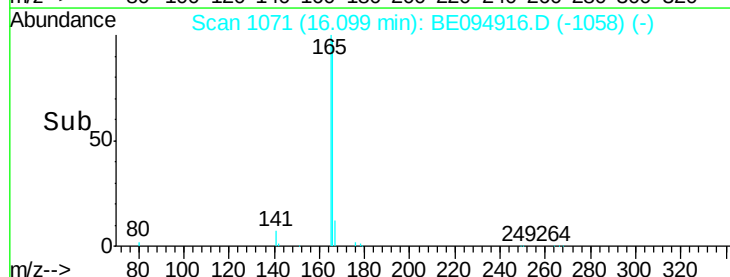
167 13.8 42.4 63.6#

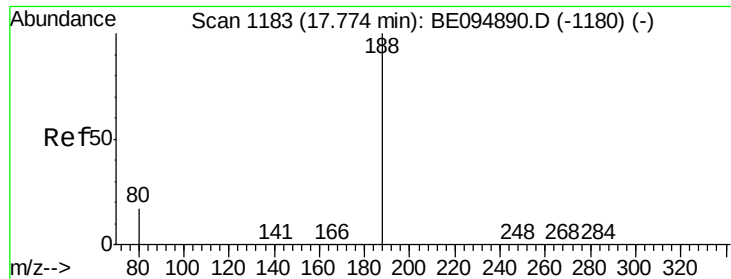


Abundance Ion 166.00 (165.70 to 166.70): E

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: 17.79 min Scan# 1184

Delta R.T. 0.02 min

Lab File: BE094916.D

Acq: 5 Dec 2017 16:02

Instrument :

BNA_E

ClientSampleId :

PB104744BS

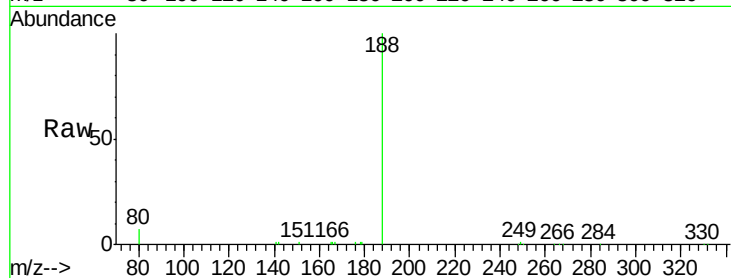
Tot Ion:188 Resp: 19921

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

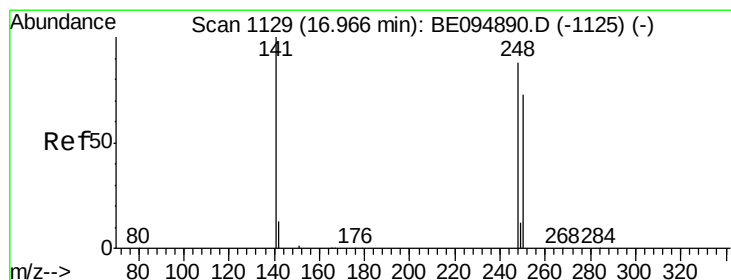
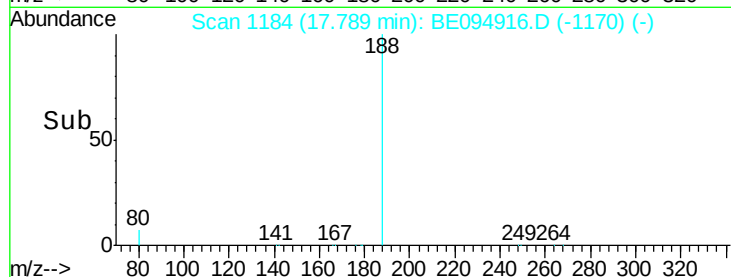
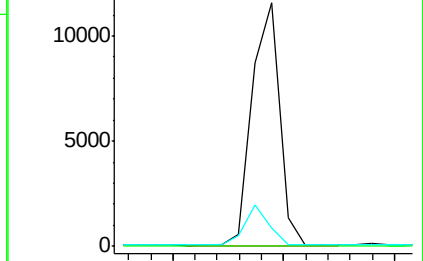
80 7.3 3.6 5.4#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



#20

4-Bromophenyl-phenylether

Concen: 0.385 ng

RT: 16.98 min Scan# 1130

Delta R.T. 0.02 min

Lab File: BE094916.D

Acq: 5 Dec 2017 16:02

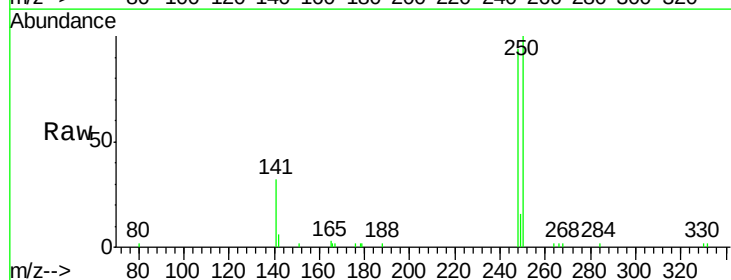
Tgt Ion:248 Resp: 4283

Ion Ratio Lower Upper

248 100

250 106.2 62.7 94.1#

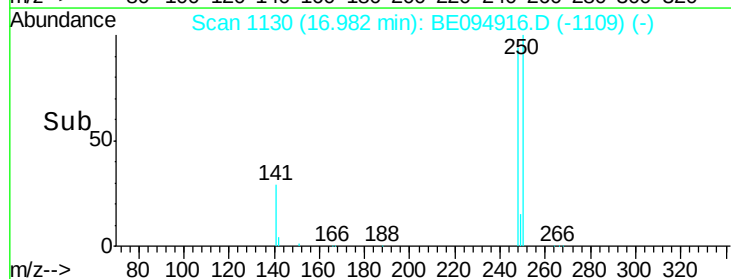
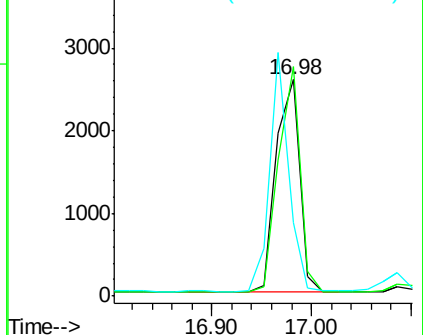
141 33.6 48.2 72.2#

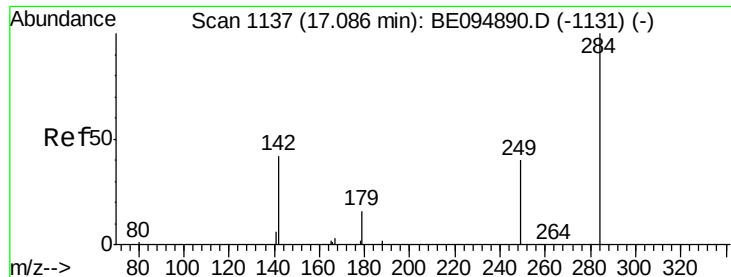


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.396 ng

RT: 17.10 min Scan# 1138

Delta R.T. 0.02 min

Lab File: BE094916.D

Acq: 5 Dec 2017 16:02

Instrument :

BNA_E

ClientSampleId :

PB104744BS

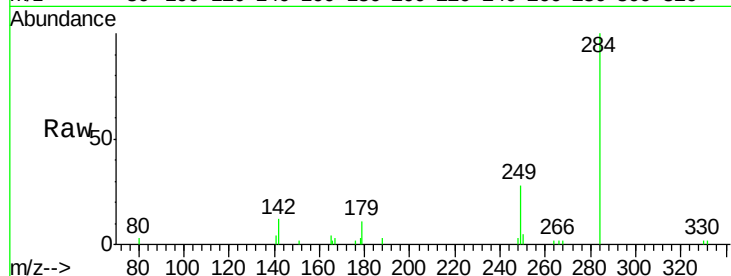
Tot Ion:284 Resp: 4292

Ion Ratio Lower Upper

284 100

142 45.2 22.1 33.1#

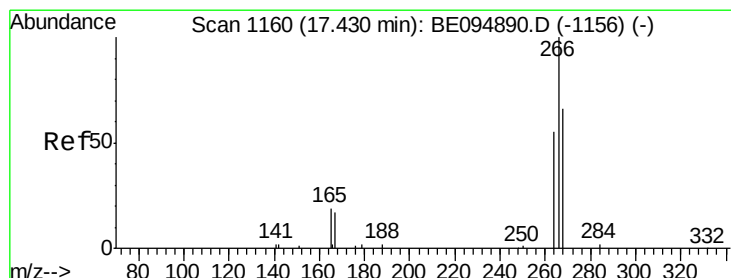
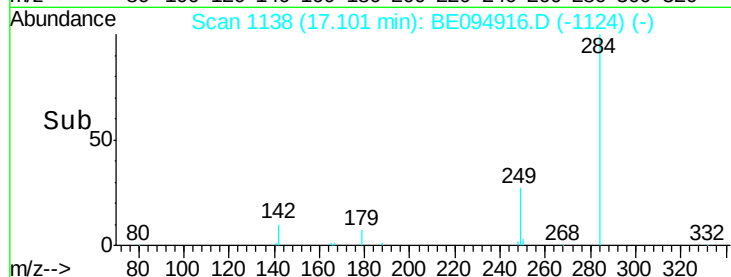
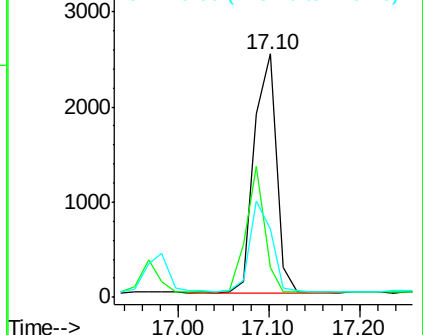
249 37.0 34.8 52.2



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: 0.419 ng

RT: 17.43 min Scan# 1160

Delta R.T. 0.00 min

Lab File: BE094916.D

Acq: 5 Dec 2017 16:02

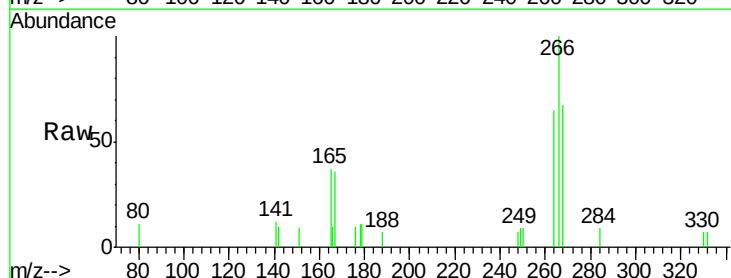
Tgt Ion:266 Resp: 1024

Ion Ratio Lower Upper

266 100

264 65.3 72.5 108.7#

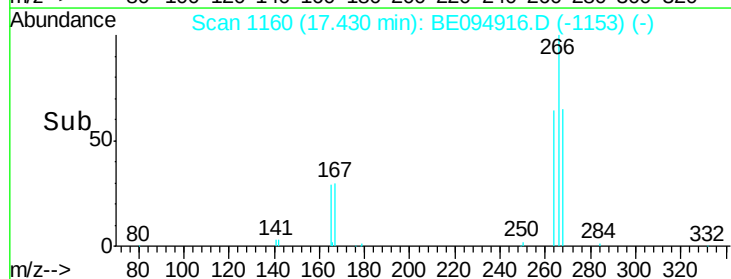
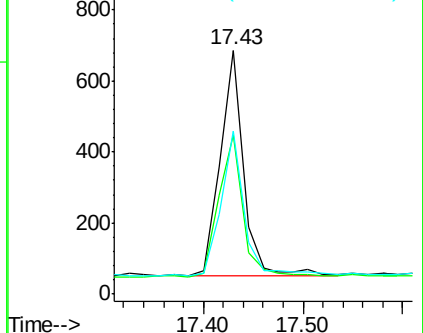
268 66.9 73.8 110.6#

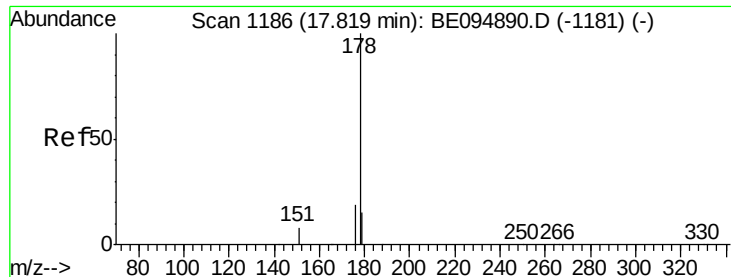


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.396 ng

RT: 17.82 min Scan# 1186

Delta R.T. 0.00 min

Lab File: BE094916.D

Acq: 5 Dec 2017 16:02

Instrument :

BNA_E

ClientSampleId :

PB104744BS

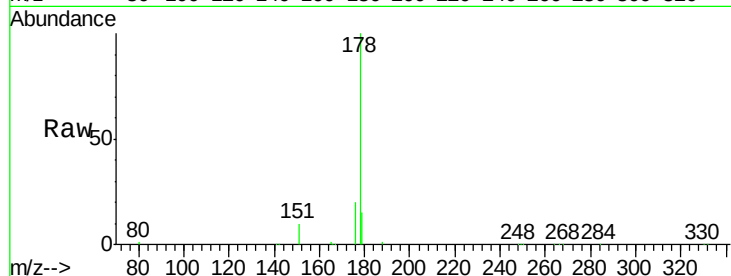
Tot Ion:178 Resp: 25114

Ion Ratio Lower Upper

178 100

176 19.7 15.1 22.7

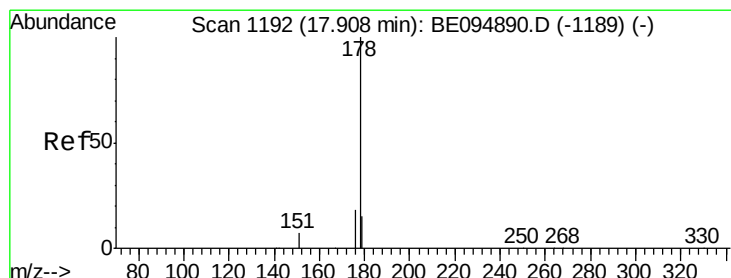
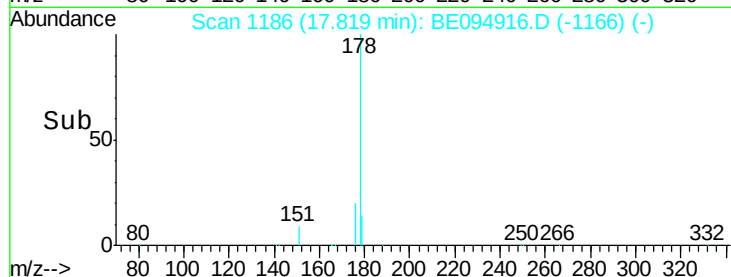
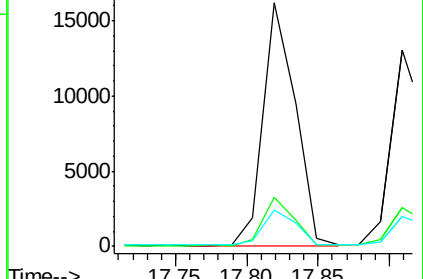
179 15.6 11.8 17.6



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: 0.368 ng

RT: 17.91 min Scan# 1192

Delta R.T. 0.00 min

Lab File: BE094916.D

Acq: 5 Dec 2017 16:02

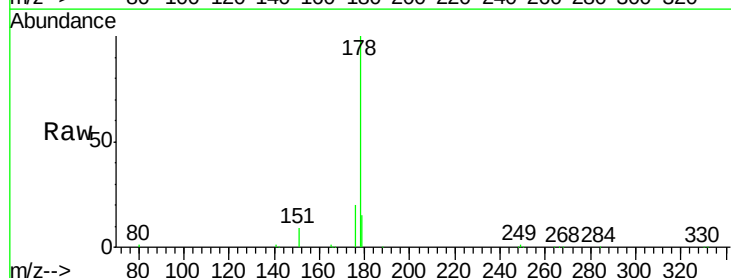
Tgt Ion:178 Resp: 24772

Ion Ratio Lower Upper

178 100

176 20.7 12.8 19.2#

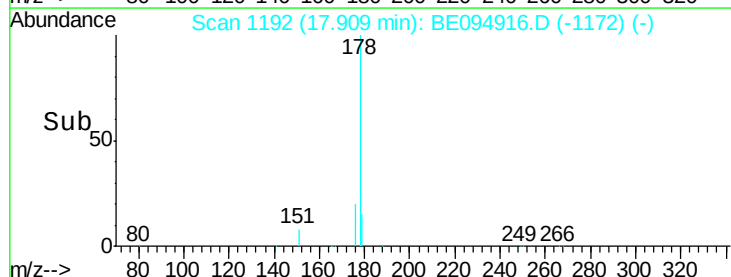
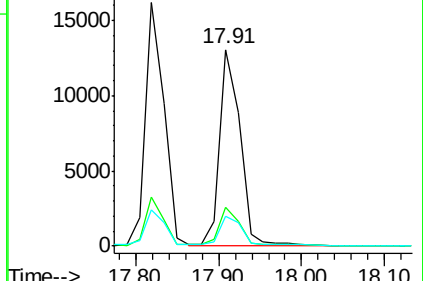
179 17.6 13.0 19.6

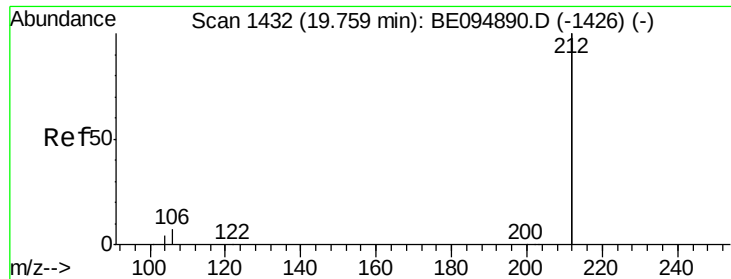


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.306 ng

RT: 19.77 min Scan# 1433

Delta R.T. 0.01 min

Lab File: BE094916.D

Acq: 5 Dec 2017 16:02

Instrument :

BNA_E

ClientSampleId :

PB104744BS

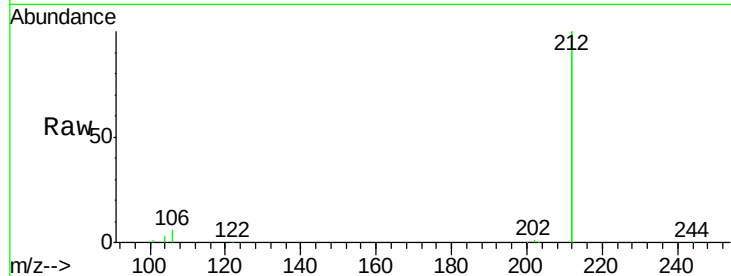
Tot Ion:212 Resp: 83325

Ion Ratio Lower Upper

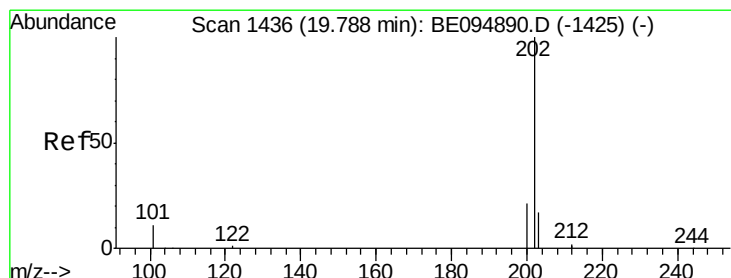
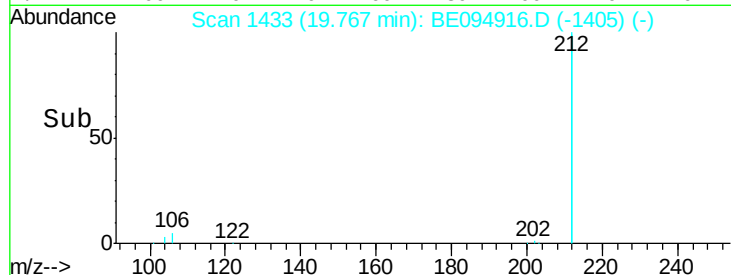
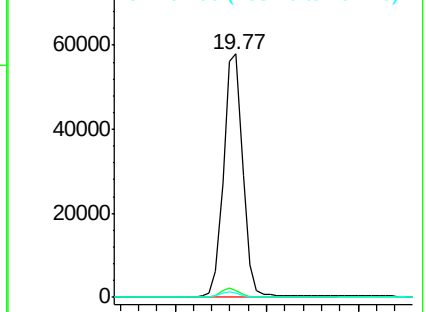
212 100

106 3.6 2.8 4.2

104 2.1 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: 0.352 ng

RT: 19.79 min Scan# 1436

Delta R.T. 0.00 min

Lab File: BE094916.D

Acq: 5 Dec 2017 16:02

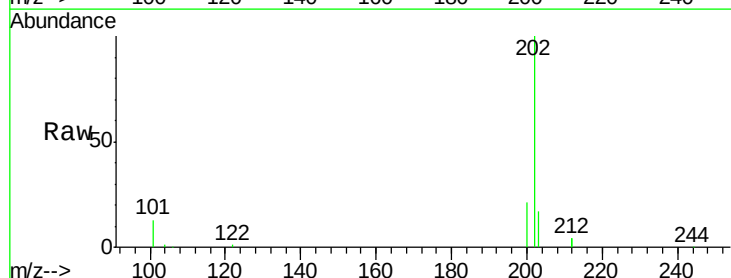
Tgt Ion:202 Resp: 28705

Ion Ratio Lower Upper

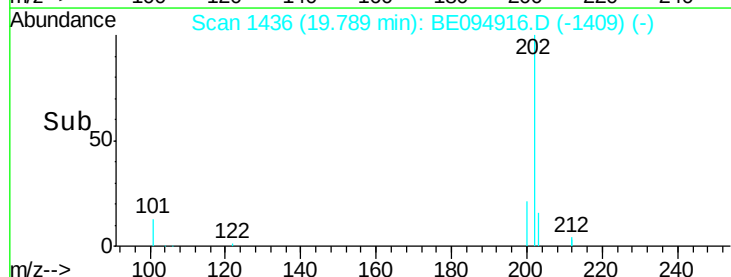
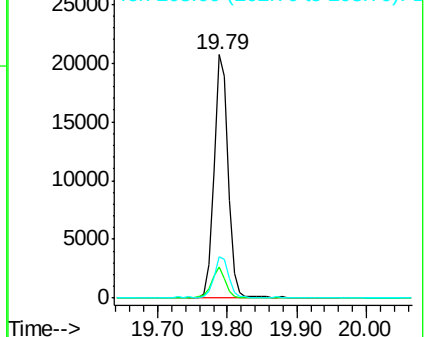
202 100

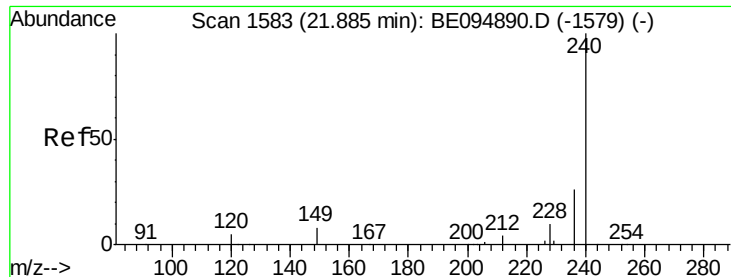
101 12.1 9.8 14.8

203 17.2 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: 21.89 min Scan# 1583

Delta R.T. 0.00 min

Lab File: BE094916.D

Acq: 5 Dec 2017 16:02

Instrument :

BNA_E

ClientSampleId :

PB104744BS

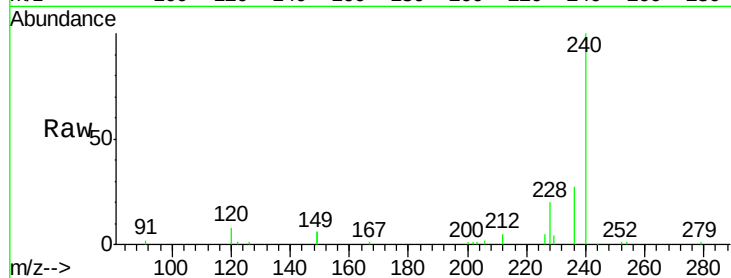
Tot Ion:240 Resp: 19218

Ion Ratio Lower Upper

240 100

120 8.3 5.5 8.3#

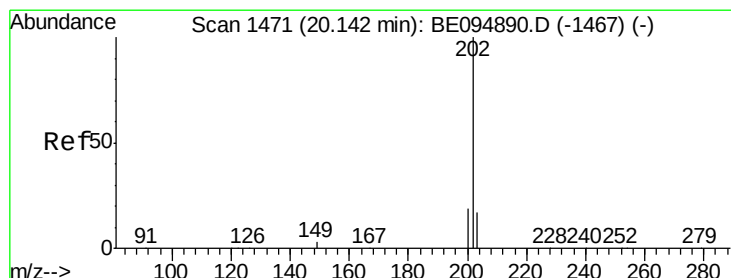
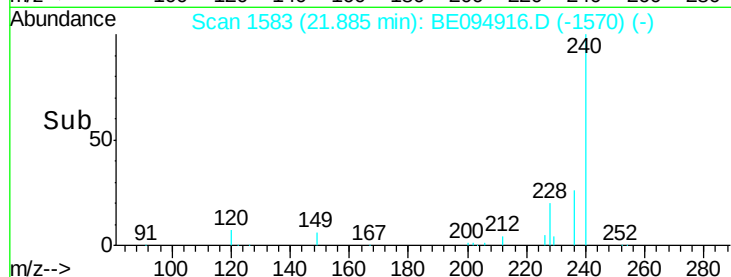
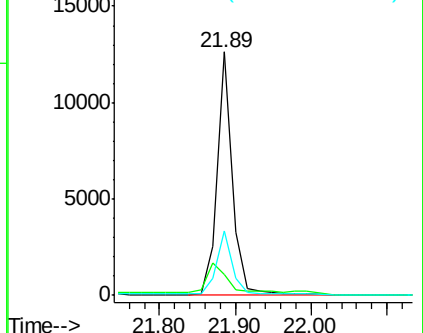
236 26.6 20.7 31.1



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: 0.437 ng

RT: 20.14 min Scan# 1471

Delta R.T. 0.00 min

Lab File: BE094916.D

Acq: 5 Dec 2017 16:02

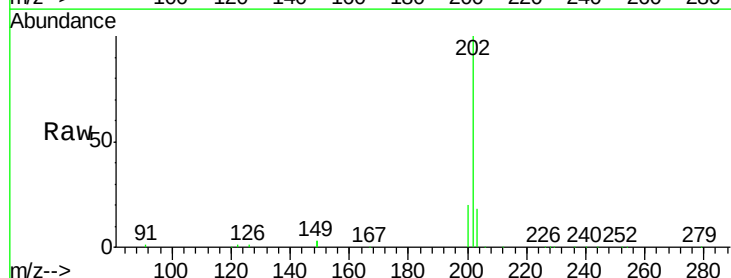
Tgt Ion:202 Resp: 29016

Ion Ratio Lower Upper

202 100

200 24.2 16.6 25.0

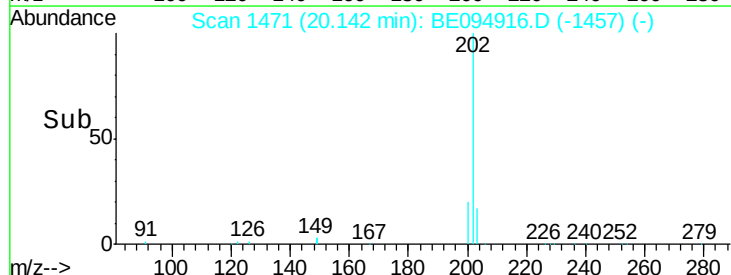
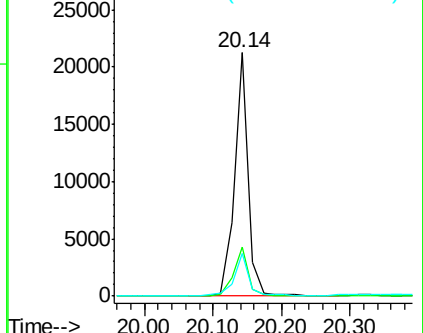
203 17.7 13.8 20.8

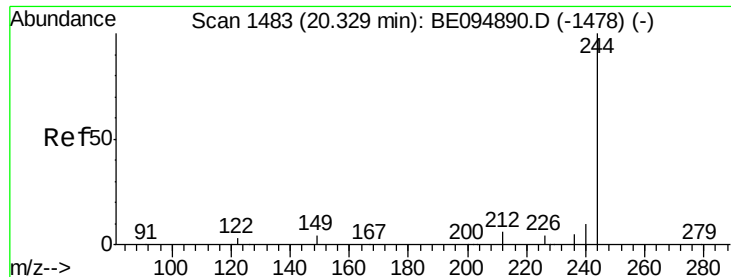


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.446 ng

RT: 20.33 min Scan# 1483

Delta R.T. 0.00 min

Lab File: BE094916.D

Acq: 5 Dec 2017 16:02

Instrument :

BNA_E

ClientSampleId :

PB104744BS

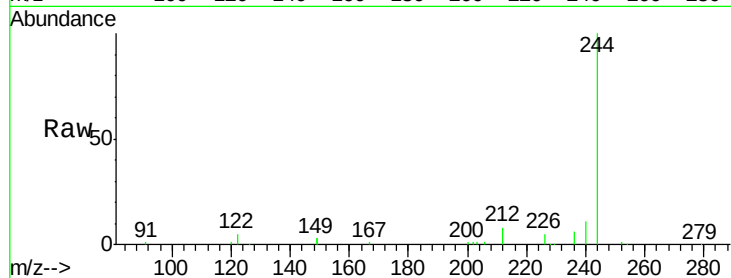
Tot Ion:244 Resp: 15823

Ion Ratio Lower Upper

244 100

212 7.8 25.4 38.0#

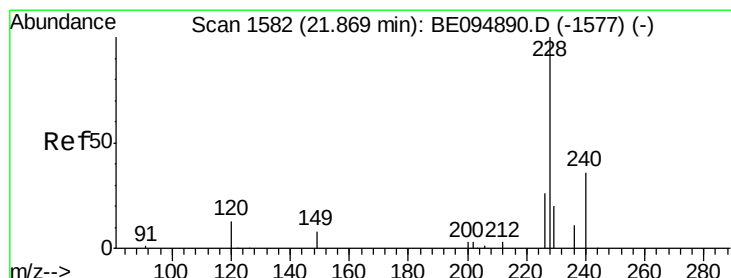
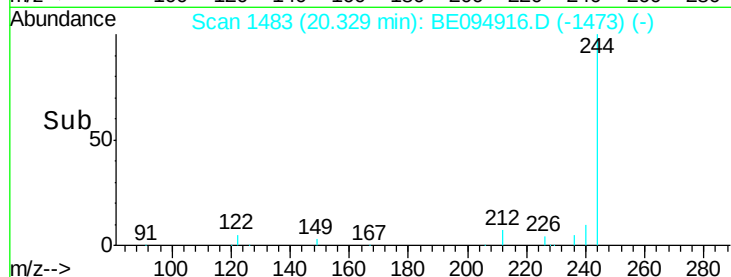
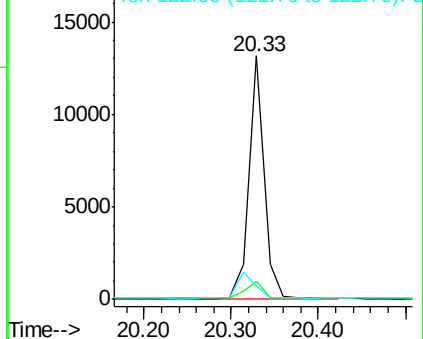
122 5.3 8.1 12.1#



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: 0.404 ng

RT: 21.87 min Scan# 1582

Delta R.T. 0.00 min

Lab File: BE094916.D

Acq: 5 Dec 2017 16:02

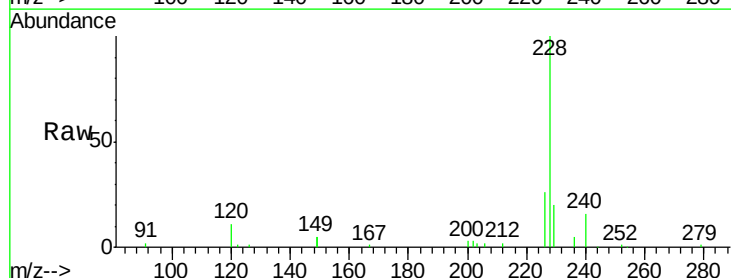
Tgt Ion:228 Resp: 23815

Ion Ratio Lower Upper

228 100

226 26.2 40.0 60.0#

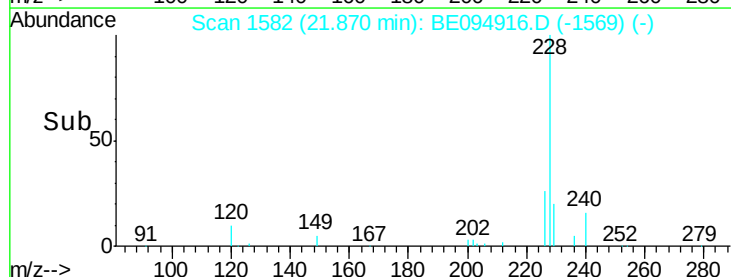
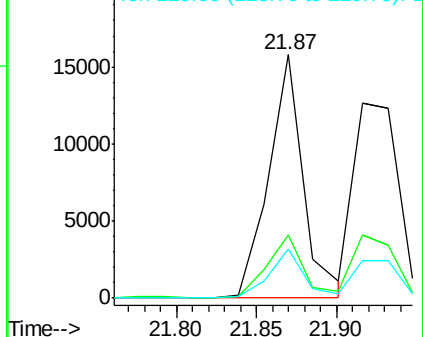
229 20.2 40.0 60.0#

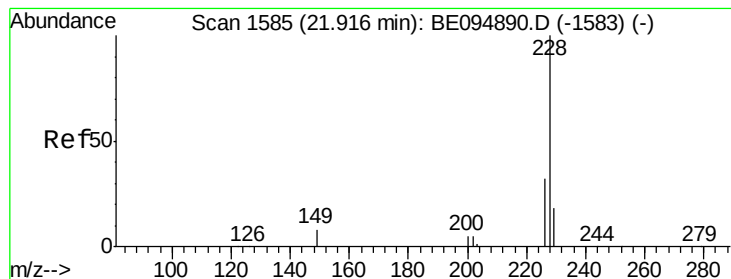


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.418 ng

RT: 21.92 min Scan# 1585

Delta R.T. 0.00 min

Lab File: BE094916.D

Acq: 5 Dec 2017 16:02

Instrument :

BNA_E

ClientSampleId :

PB104744BS

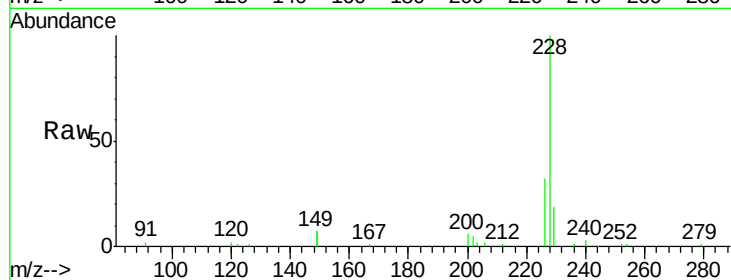
Tot Ion:228 Resp: 27207

Ion Ratio Lower Upper

228 100

226 32.2 40.0 60.0#

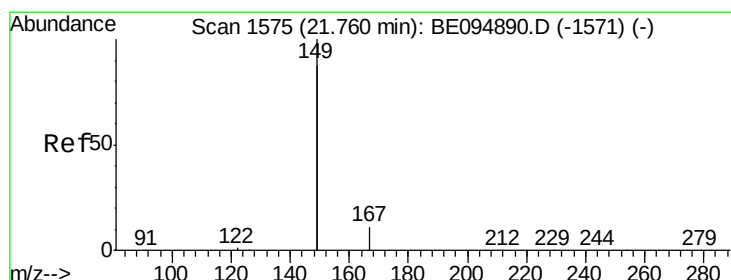
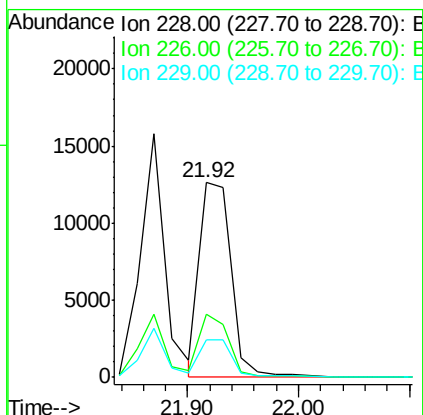
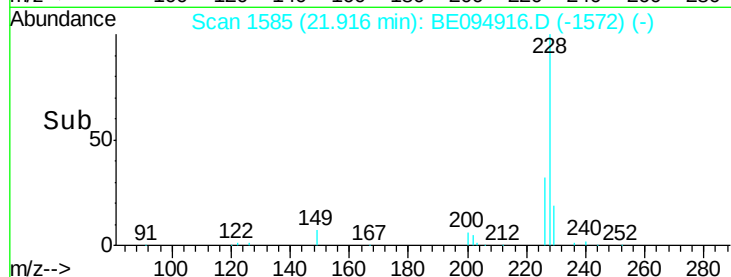
229 19.0 40.0 60.0#



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



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.112 ng

RT: 21.76 min Scan# 1575

Delta R.T. 0.00 min

Lab File: BE094916.D

Acq: 5 Dec 2017 16:02

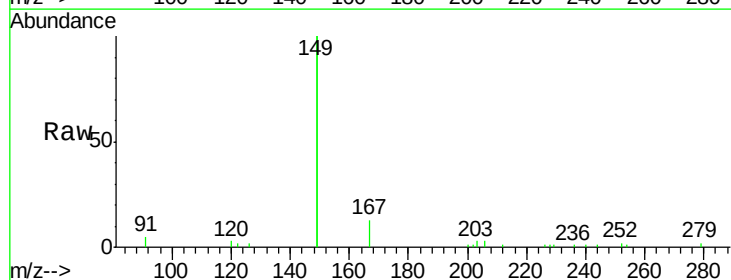
Tgt Ion:149 Resp: 10932

Ion Ratio Lower Upper

149 100

167 6.6 5.4 8.0

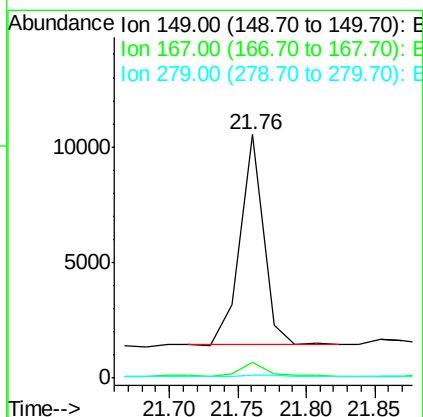
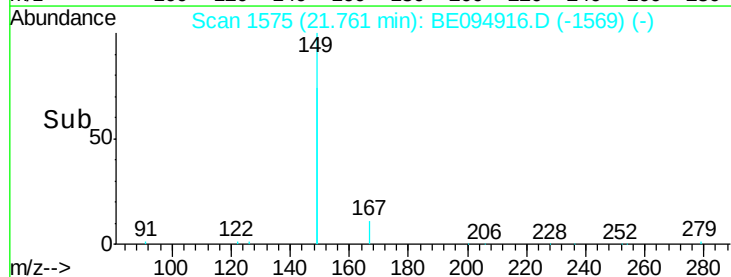
279 0.8 0.7 1.1

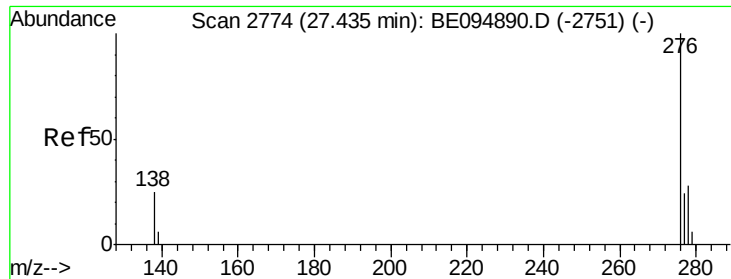


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.426 ng

RT: 27.44 min Scan# 2776

Delta R.T. 0.01 min

Lab File: BE094916.D

Acq: 5 Dec 2017 16:02

Instrument :

BNA_E

ClientSampleId :

PB104744BS

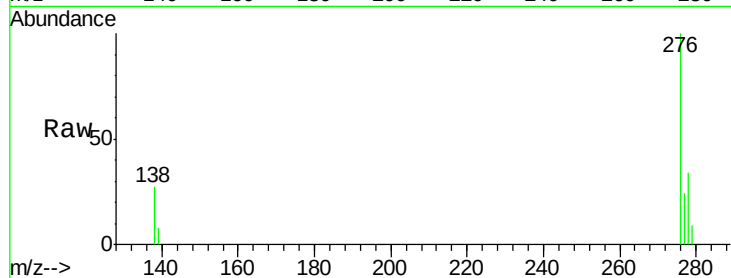
Tot Ion:276 Resp: 22712

Ion Ratio Lower Upper

276 100

138 29.3 22.5 33.7

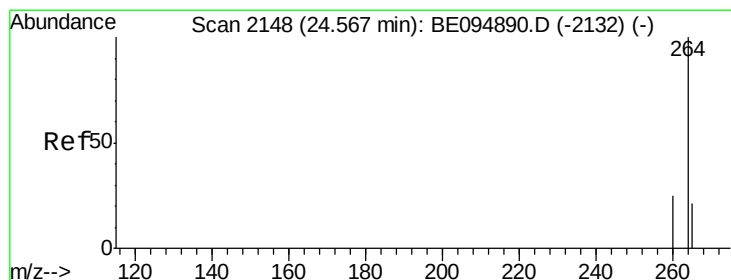
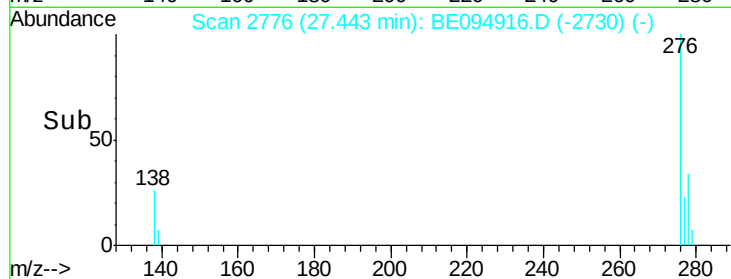
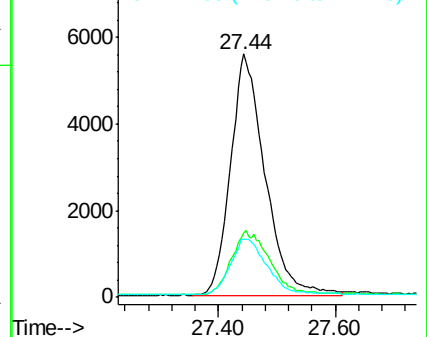
277 24.6 19.9 29.9



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: 0.400 ng

RT: 24.57 min Scan# 2149

Delta R.T. 0.00 min

Lab File: BE094916.D

Acq: 5 Dec 2017 16:02

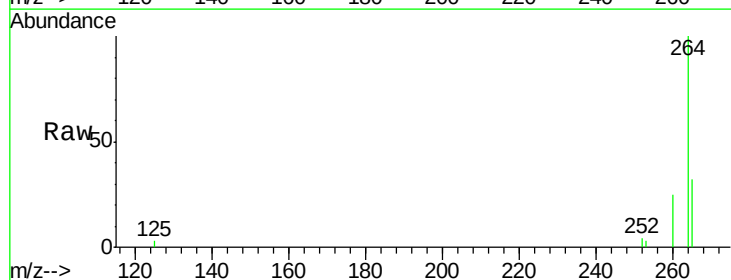
Tgt Ion:264 Resp: 15256

Ion Ratio Lower Upper

264 100

260 24.6 20.5 30.7

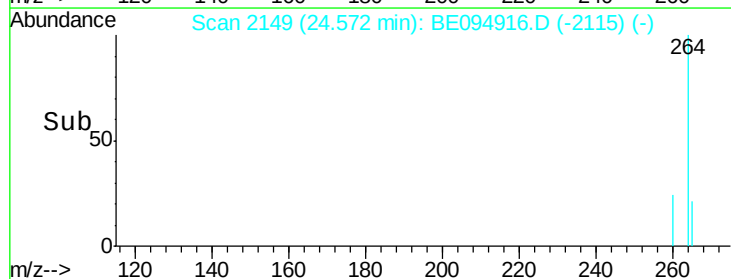
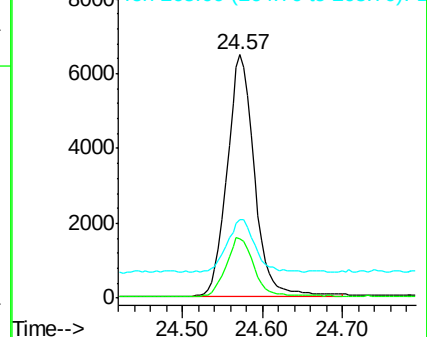
265 32.4 22.8 34.2

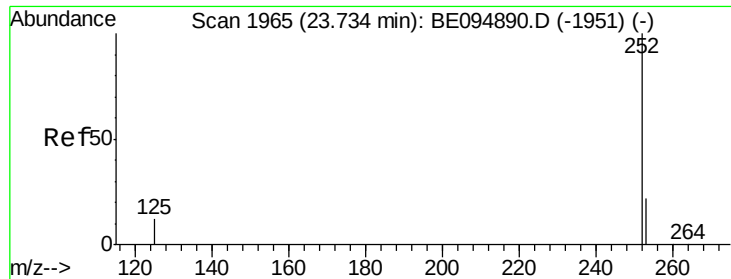


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.409 ng

RT: 23.73 min Scan# 1965

Delta R.T. 0.00 min

Lab File: BE094916.D

Acq: 5 Dec 2017 16:02

Instrument :

BNA_E

ClientSampleId :

PB104744BS

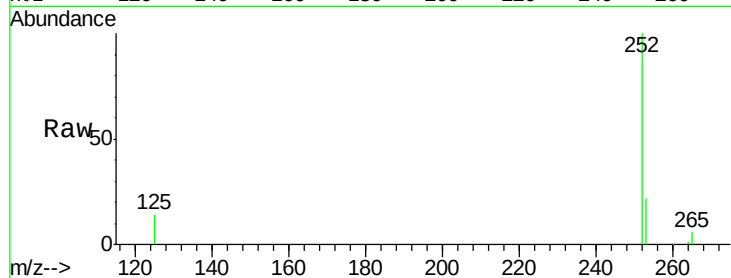
Tot Ion:252 Resp: 22762

Ion Ratio Lower Upper

252 100

253 22.3 48.0 72.0#

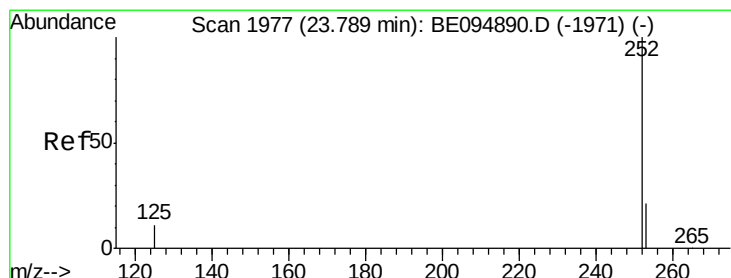
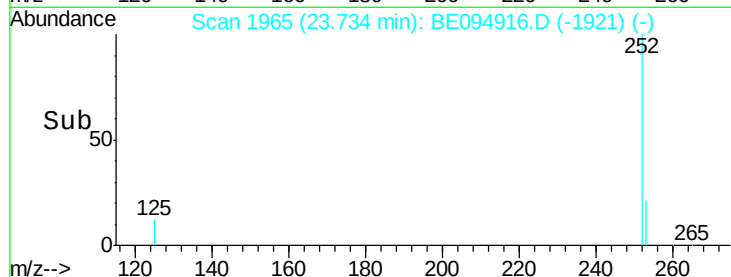
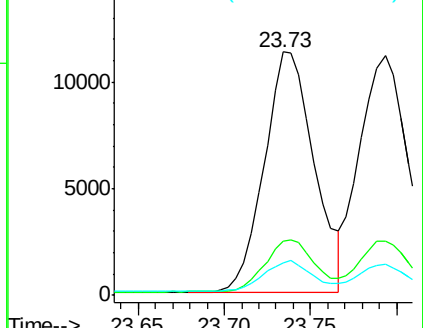
125 13.5 56.0 84.0#



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: 0.399 ng

RT: 23.79 min Scan# 1978

Delta R.T. 0.00 min

Lab File: BE094916.D

Acq: 5 Dec 2017 16:02

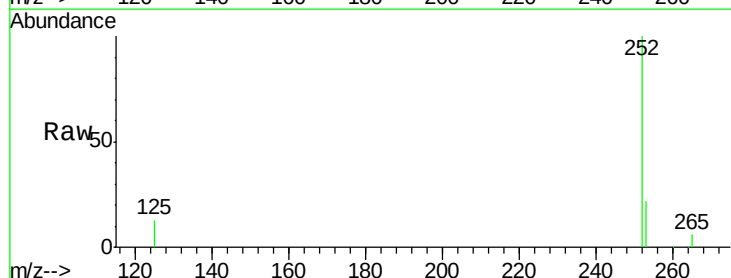
Tgt Ion:252 Resp: 22638

Ion Ratio Lower Upper

252 100

253 22.5 48.0 72.0#

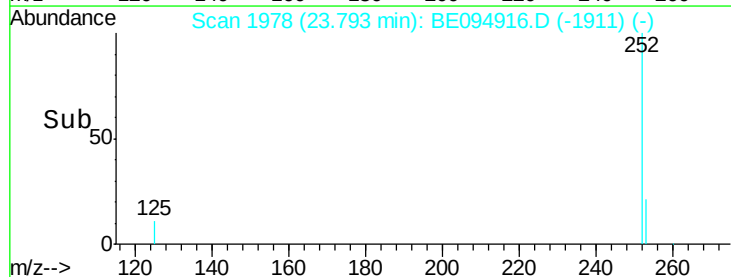
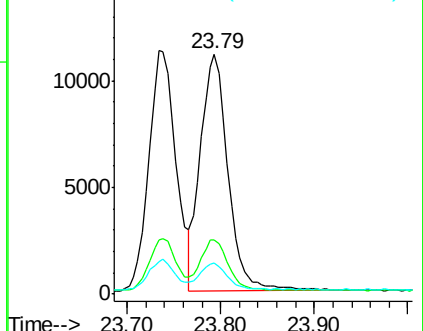
125 12.9 56.0 84.0#

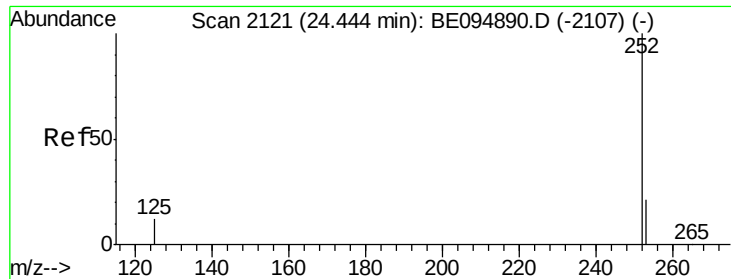


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.411 ng

RT: 24.45 min Scan# 2123

Delta R.T. 0.01 min

Lab File: BE094916.D

Acq: 5 Dec 2017 16:02

Instrument :

BNA_E

ClientSampleId :

PB104744BS

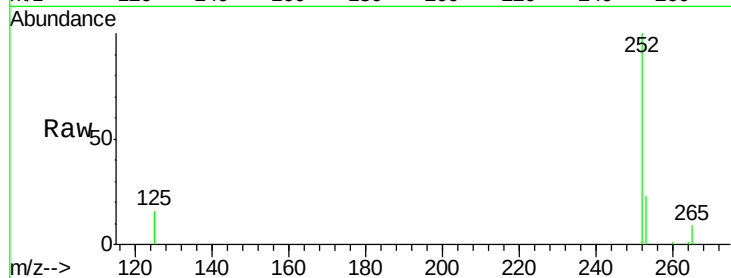
Tot Ion:252 Resp: 20086

Ion Ratio Lower Upper

252 100

253 22.9 52.0 78.0#

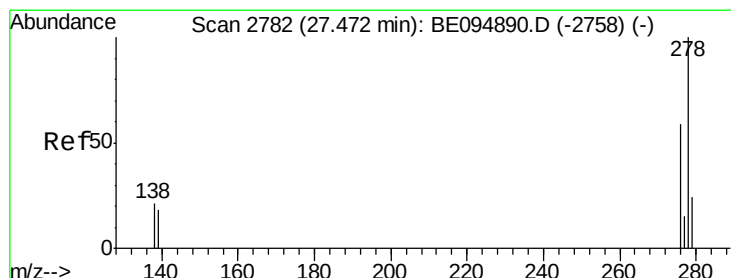
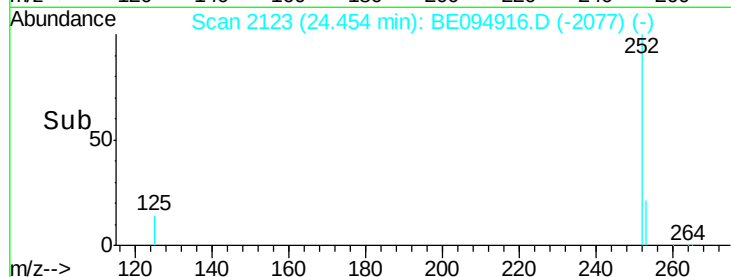
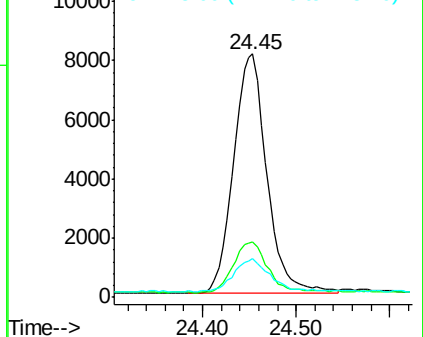
125 16.1 68.0 102.0#



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: 0.411 ng

RT: 27.48 min Scan# 2784

Delta R.T. 0.01 min

Lab File: BE094916.D

Acq: 5 Dec 2017 16:02

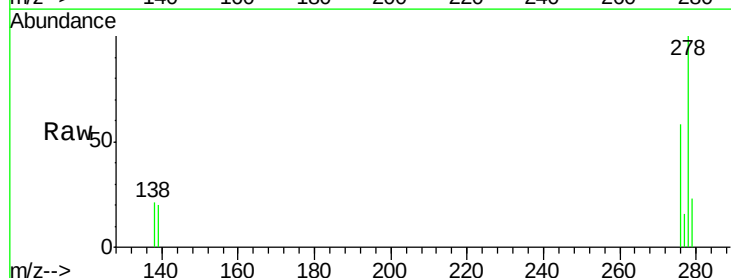
Tgt Ion:278 Resp: 18518

Ion Ratio Lower Upper

278 100

139 19.8 56.0 84.0#

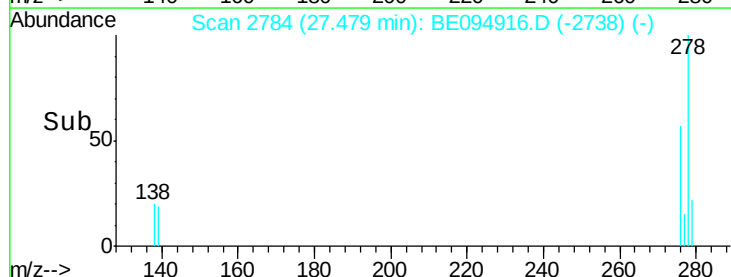
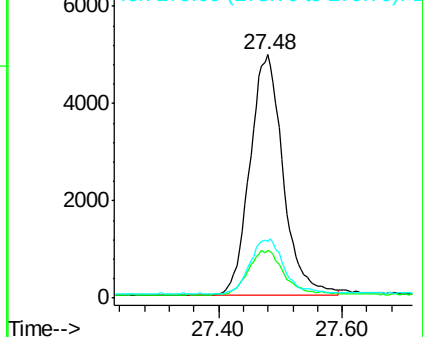
279 23.4 52.0 78.0#

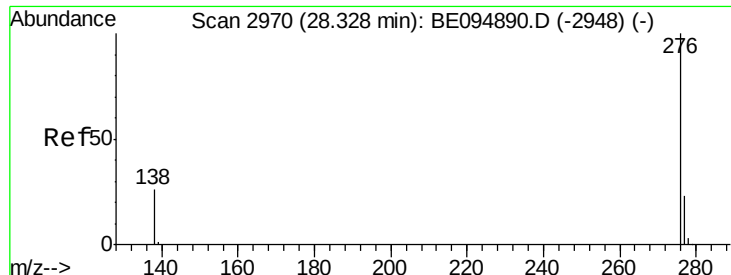


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 0.460 ng

RT: 28.33 min Scan# 2971

Delta R.T. 0.00 min

Lab File: BE094916.D

Acq: 5 Dec 2017 16:02

Instrument :

BNA_E

ClientSampleId :

PB104744BS

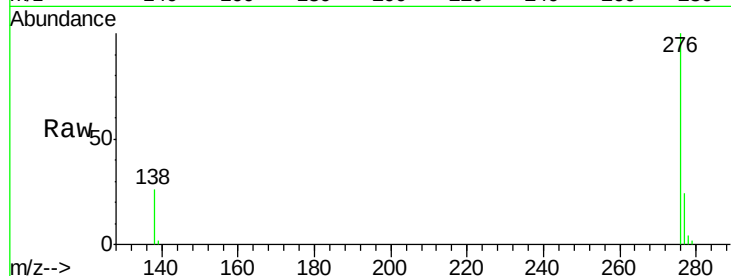
Tot Ion: 276 Resp: 20730

Ion Ratio Lower Upper

276 100

277 23.8 52.0 78.0#

138 25.7 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

