

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE121517\
 Data File : BE094996.D
 Acq On : 15 Dec 2017 11:44
 Operator : SJ/JU
 Sample : PB104984BS
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB104984BS

Quant Time: Dec 15 16:31:25 2017
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 14 18:42:53 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.47	152	6984	0.40	ng	0.00
7) Naphthalene-d8	11.33	136	14668	0.40	ng	0.00
13) Acenaphthene-d10	15.06	164	7351	0.40	ng	0.00
19) Phenanthrene-d10	17.77	188	16629	0.40	ng	0.00
27) Chrysene-d12	21.87	240	19170	0.40	ng	0.00
34) Perylene-d12	24.55	264	15240	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.95	112	2763	0.25	ng	0.00
5) Phenol-d6	7.59	99	3785	0.23	ng	0.00
8) Nitrobenzene-d5	9.65	82	3459	0.29	ng	0.00
11) 2-Methylnaphthalene-d10	12.86	152	5837	0.24	ng	0.00
14) 2,4,6-Tribromophenol	16.53	330	464	0.27	ng	0.00
15) 2-Fluorobiphenyl	13.71	172	8924	0.27	ng	0.01
25) Fluoranthene-d10	19.75	212	52510	0.24	ng	0.00
29) Terphenyl-d14	20.31	244	10561	0.29	ng	0.00

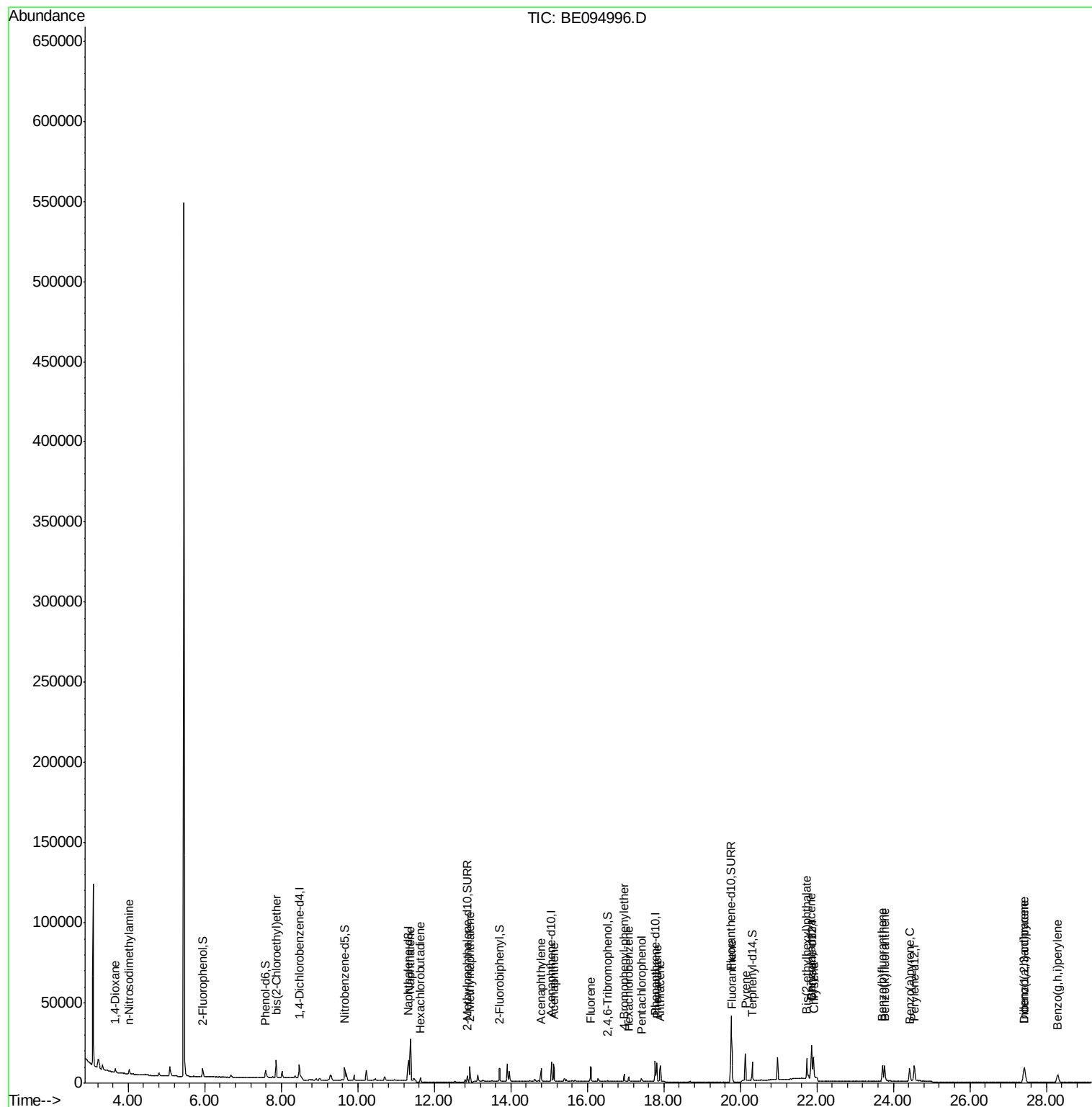
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.66	88	1638	0.238	ng	# 31
3) n-Nitrosodimethylamine	4.02	42	2052	0.252	ng	# 91
6) bis(2-Chloroethyl)ether	7.87	93	3893	0.248	ng	94
9) Naphthalene	11.38	128	43346	0.252	ng	99
10) Hexachlorobutadiene	11.64	225	1932	0.247	ng	98
12) 2-Methylnaphthalene	12.94	142	10549	0.245	ng	97
16) Acenaphthylene	14.79	152	9252	0.235	ng	100
17) Acenaphthene	15.12	154	6039	0.232	ng	94
18) Fluorene	16.10	166	7603	0.235	ng	# 78
20) 4-Bromophenyl-phenylether	16.97	248	2426	0.249	ng	# 81
21) Hexachlorobenzene	17.09	284	2470	0.248	ng	# 82
22) Pentachlorophenol	17.41	266	1101	0.526	ng	# 80
23) Phenanthrene	17.82	178	12850	0.248	ng	97
24) Anthracene	17.91	178	13396	0.252	ng	# 89
26) Fluoranthene	19.78	202	15649	0.245	ng	98
28) Pyrene	20.13	202	17010	0.262	ng	97
30) Benzo(a)anthracene	21.86	228	15553	0.278	ng	# 62
31) Chrysene	21.92	228	17154	0.272	ng	# 64
32) Bis(2-ethylhexyl)phthalate	21.73	149	17768	0.249	ng	100
33) Indeno(1,2,3-cd)pyrene	27.41	276	15065	0.293	ng	99
35) Benzo(b)fluoranthene	23.72	252	14793	0.264	ng	# 92
36) Benzo(k)fluoranthene	23.77	252	14555	0.257	ng	# 92
37) Benzo(a)pyrene	24.43	252	13546	0.273	ng	# 94
38) Dibenzo(a,h)anthracene	27.43	278	12349	0.268	ng	97
39) Benzo(g,h,i)perylene	28.29	276	13063	0.285	ng	95

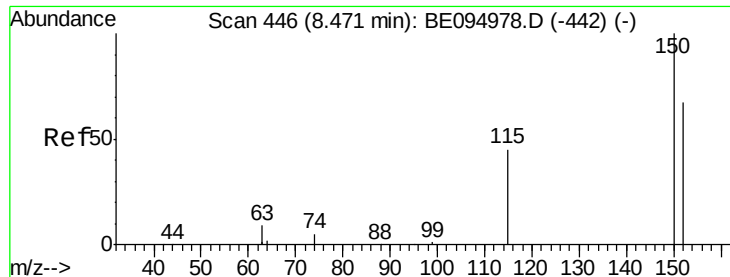
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 8.47 min Scan# 446

Delta R.T. 0.00 min

Lab File: BE094996.D

Acq: 15 Dec 2017 11:44

Instrument :

BNA_E

ClientSampleId :

PB104984BS

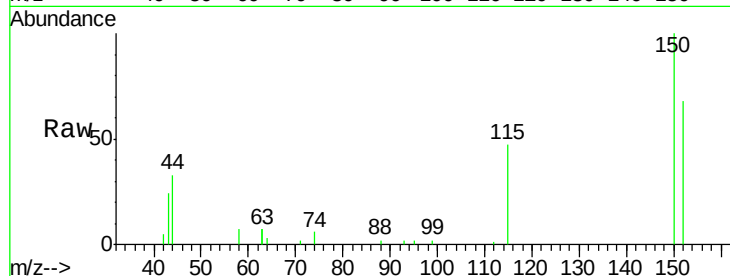
Tgt Ion:152 Resp: 6984

Ion Ratio Lower Upper

152 100

150 148.1 117.2 175.8

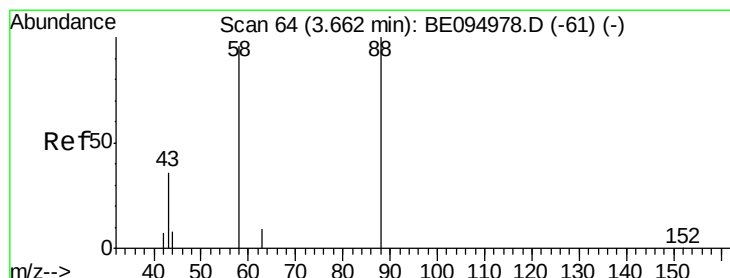
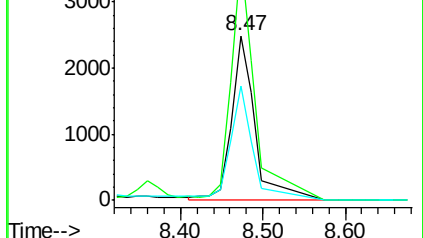
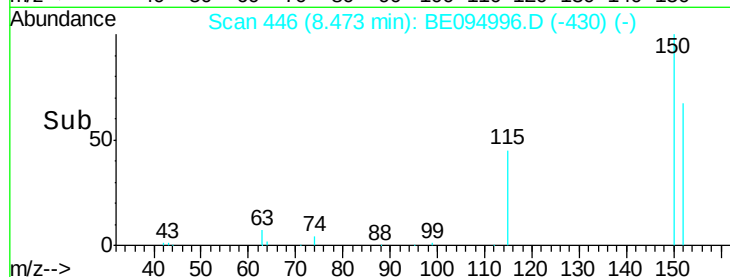
115 69.1 57.0 85.6



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 0.238 ng

RT: 3.66 min Scan# 64

Delta R.T. 0.00 min

Lab File: BE094996.D

Acq: 15 Dec 2017 11:44

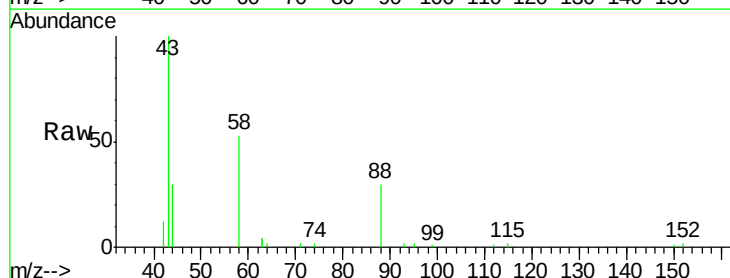
Tgt Ion: 88 Resp: 1638

Ion Ratio Lower Upper

88 100

58 107.0 63.2 94.8#

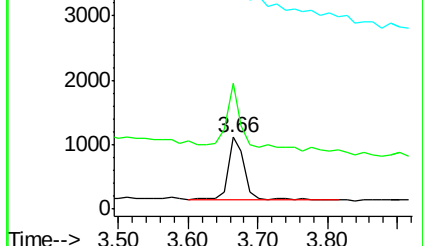
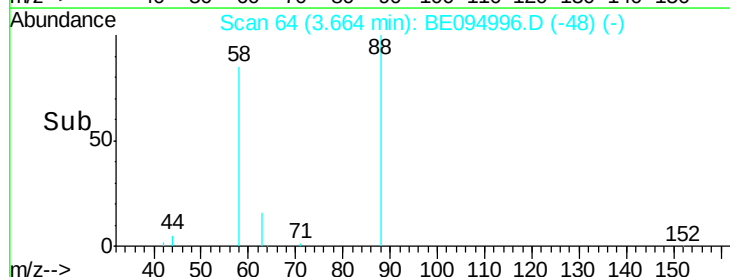
43 139.6 41.2 61.8#

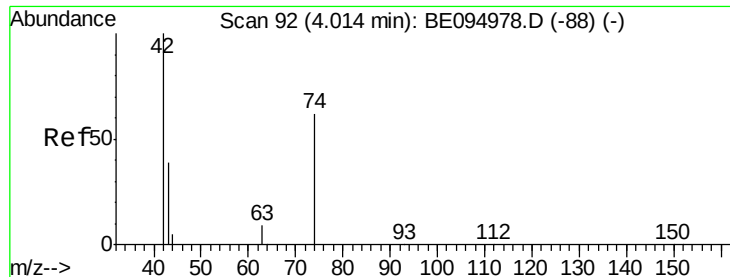


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.252 ng

RT: 4.02 min Scan# 92

Delta R.T. 0.00 min

Lab File: BE094996.D

Acq: 15 Dec 2017 11:44

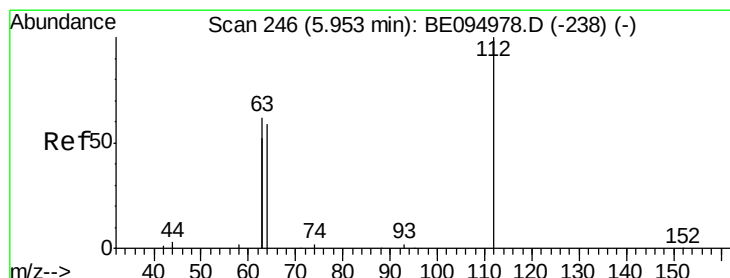
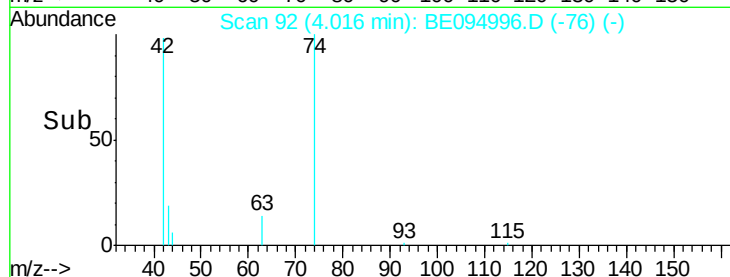
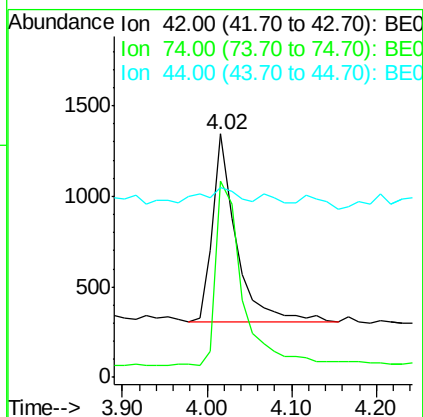
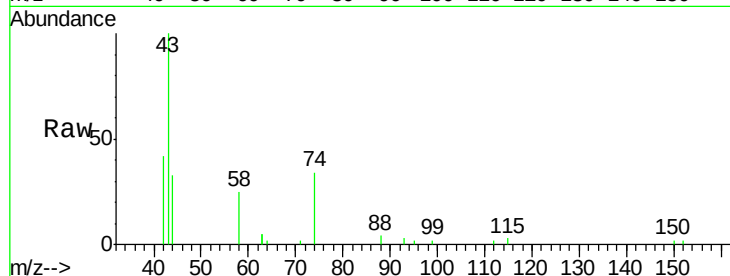
Instrument :

BNA_E

ClientSampleId :

PB104984BS

Tgt Ion:	42	Resp:	2052
Ion	Ratio	Lower	Upper
42	100		
74	110.1	96.0	144.0
44	11.2	12.0	18.0#



#4

2-Fluorophenol

Concen: 0.255 ng

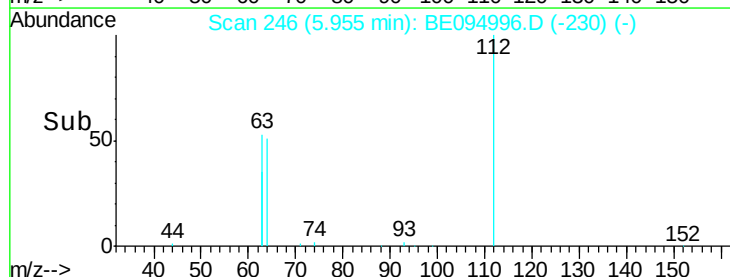
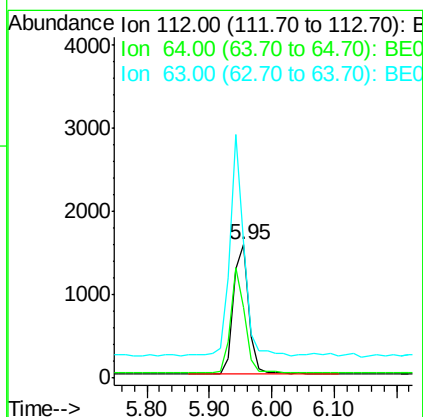
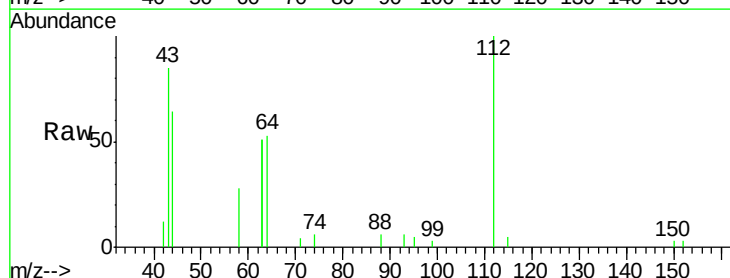
RT: 5.95 min Scan# 246

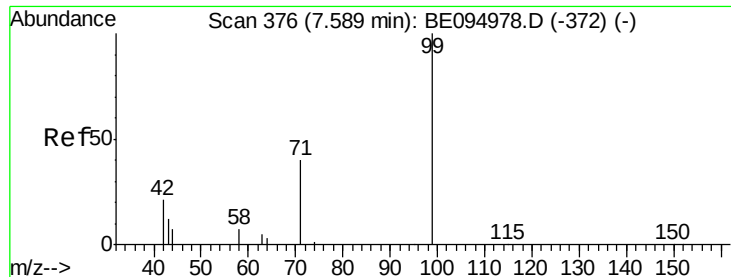
Delta R.T. 0.00 min

Lab File: BE094996.D

Acq: 15 Dec 2017 11:44

Tgt Ion:	112	Resp:	2763
Ion	Ratio	Lower	Upper
112	100		
64	74.7	60.1	90.1
63	154.5	116.8	175.2





#5

Phenol-d6

Concen: 0.235 ng

RT: 7.59 min Scan# 376

Delta R.T. 0.00 min

Lab File: BE094996.D

Acq: 15 Dec 2017 11:44

Instrument :

BNA_E

ClientSampleId :

PB104984BS

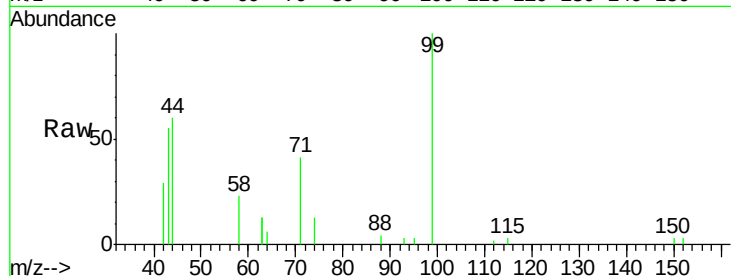
Tgt Ion: 99 Resp: 3785

Ion Ratio Lower Upper

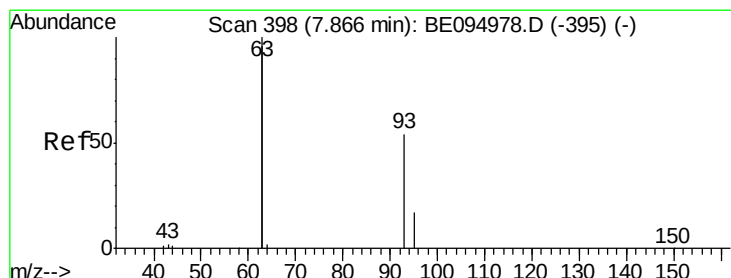
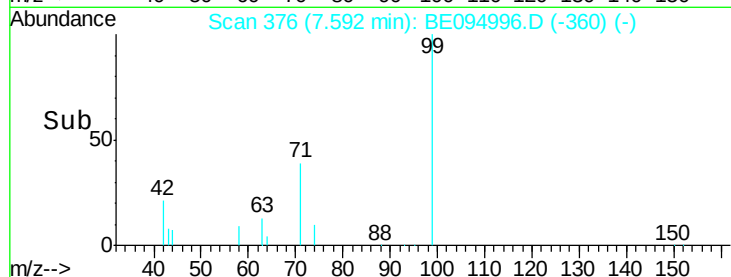
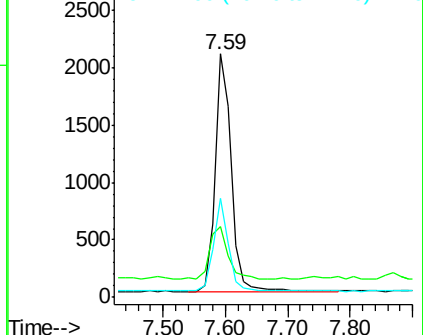
99 100

42 24.8 20.2 30.2

71 36.1 28.4 42.6



Abundance Ion 99.00 (98.70 to 99.70): BE0
Ion 42.00 (41.70 to 42.70): BE0
Ion 71.00 (70.70 to 71.70): BE0



#6

bis(2-Chloroethyl)ether

Concen: 0.248 ng

RT: 7.87 min Scan# 398

Delta R.T. 0.00 min

Lab File: BE094996.D

Acq: 15 Dec 2017 11:44

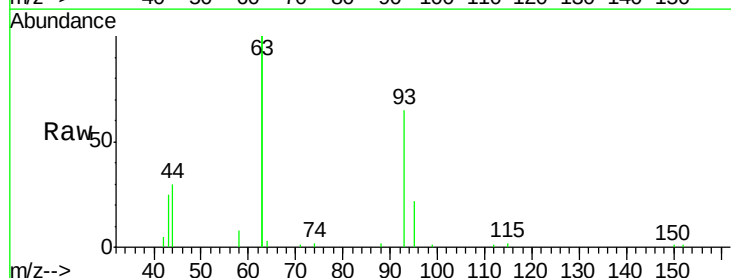
Tgt Ion: 93 Resp: 3893

Ion Ratio Lower Upper

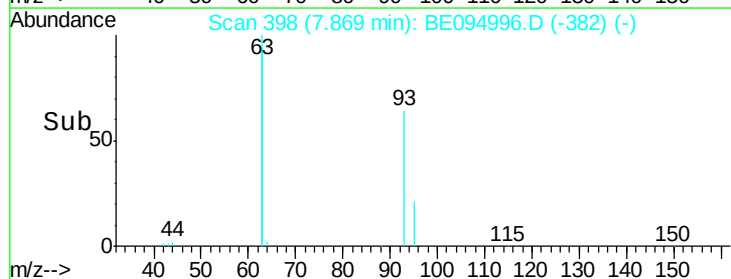
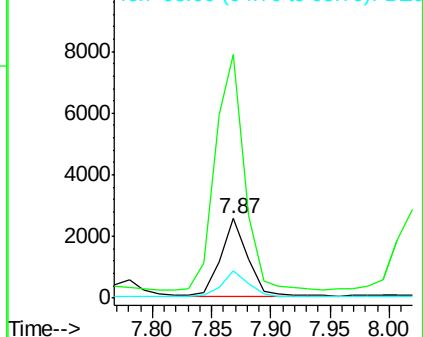
93 100

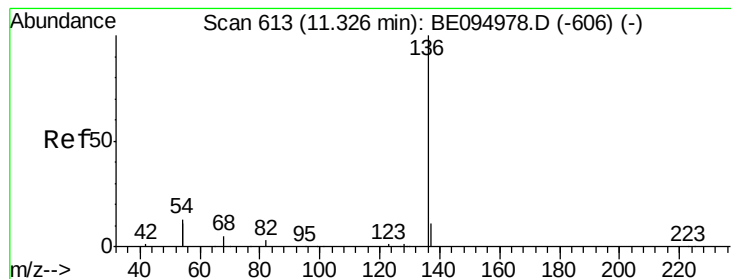
63 330.9 275.3 412.9

95 31.4 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: BE094996.D

Acq: 15 Dec 2017 11:44

Instrument :

BNA_E

ClientSampleId :

PB104984BS

Tgt Ion:136 Resp: 14668

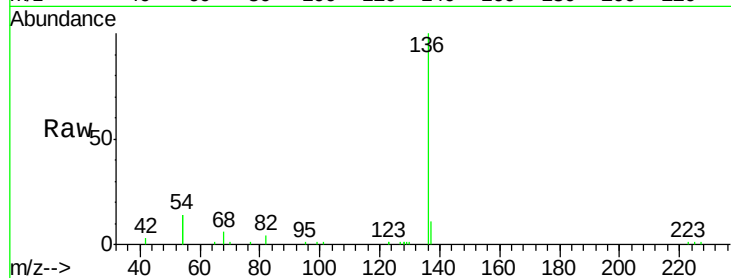
Ion Ratio Lower Upper

136 100

137 11.2 9.5 14.3

54 27.1 29.1 43.7#

68 6.0 6.2 9.2#

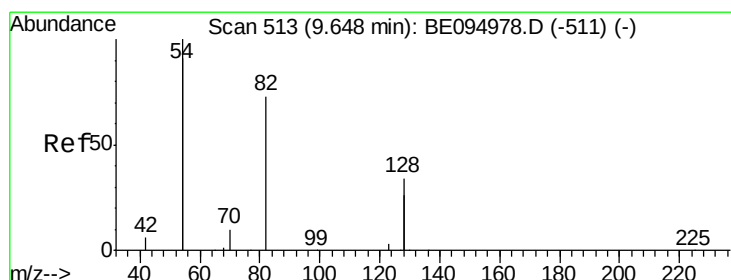
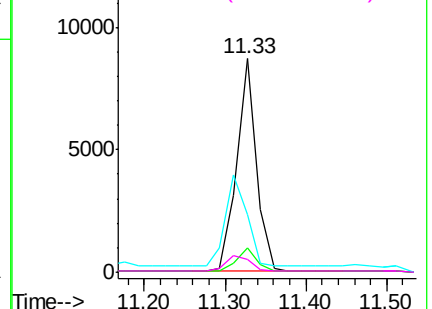
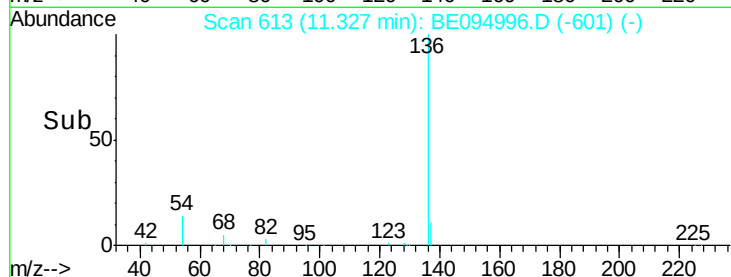


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.287 ng

RT: 9.65 min Scan# 513

Delta R.T. 0.00 min

Lab File: BE094996.D

Acq: 15 Dec 2017 11:44

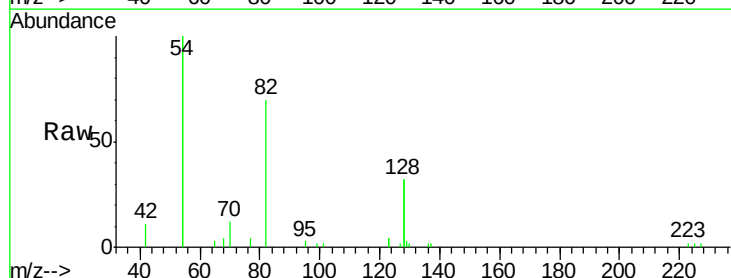
Tgt Ion: 82 Resp: 3459

Ion Ratio Lower Upper

82 100

128 92.7 150.0 225.0#

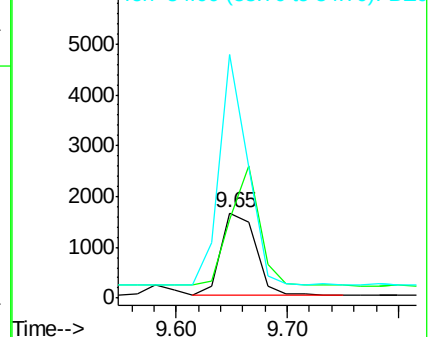
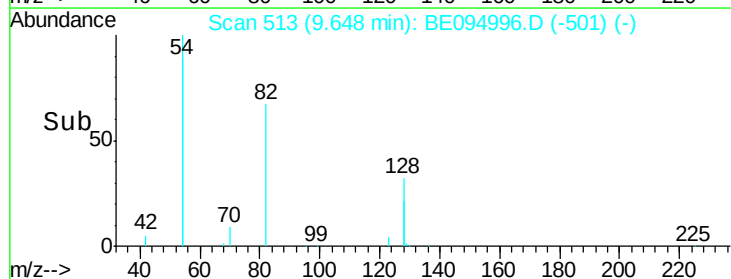
54 286.3 154.2 231.4#

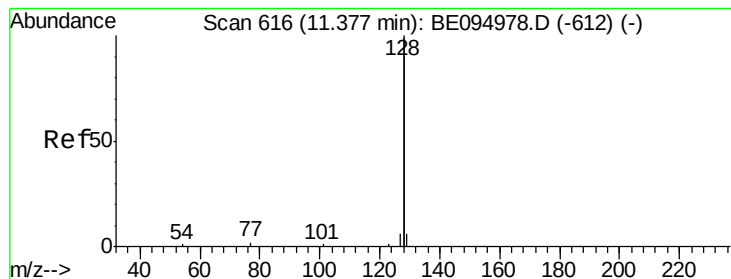


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.252 ng

RT: 11.38 min Scan# 616

Delta R.T. 0.00 min

Lab File: BE094996.D

Acq: 15 Dec 2017 11:44

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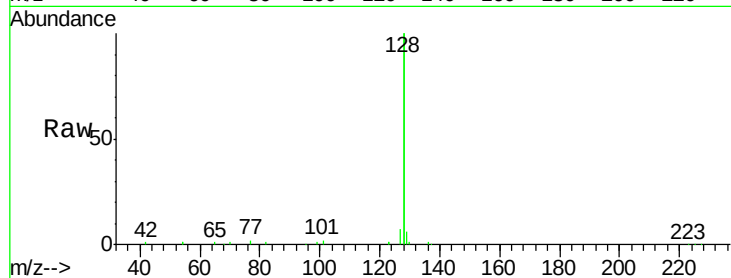
Tgt Ion:128 Resp: 43346

Ion Ratio Lower Upper

128 100

129 3.0 2.6 3.8

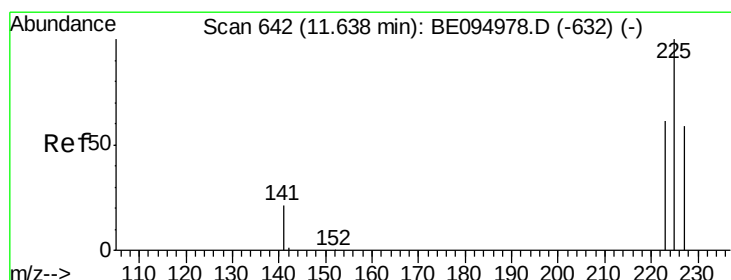
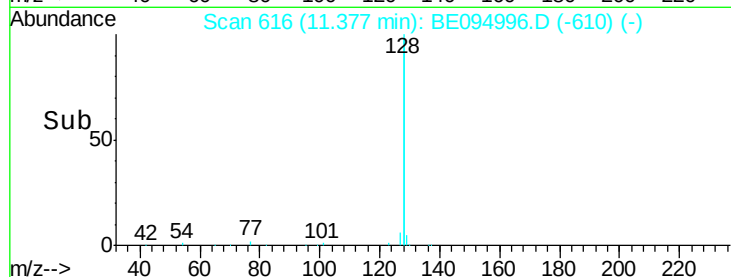
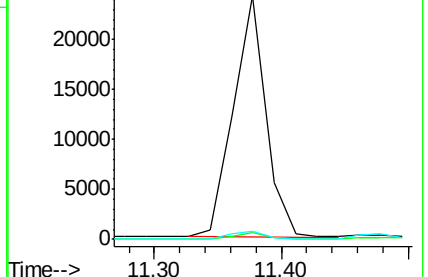
127 3.4 2.8 4.2



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: 0.247 ng

RT: 11.64 min Scan# 642

Delta R.T. -0.00 min

Lab File: BE094996.D

Acq: 15 Dec 2017 11:44

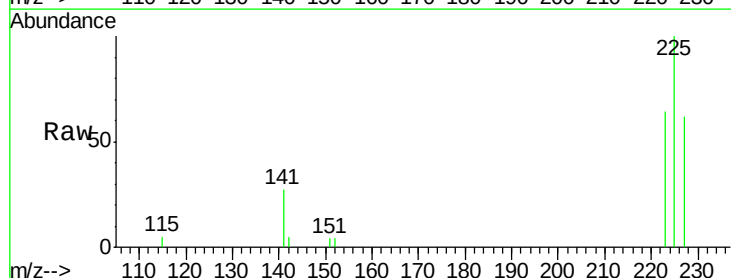
Tgt Ion:225 Resp: 1932

Ion Ratio Lower Upper

225 100

223 63.0 53.0 79.6

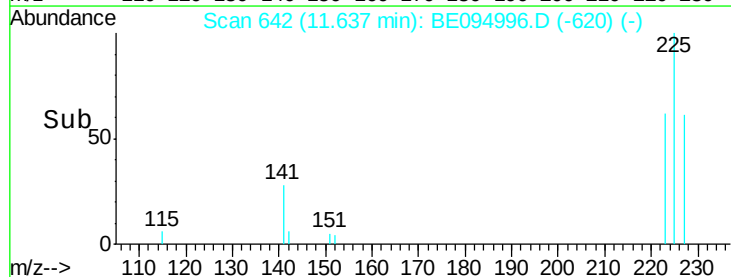
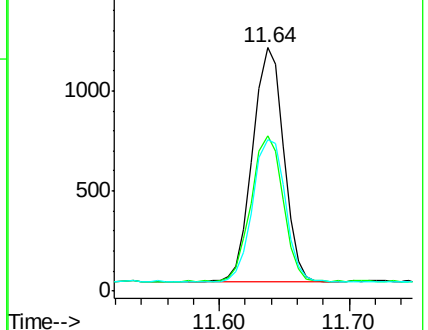
227 63.9 51.4 77.2

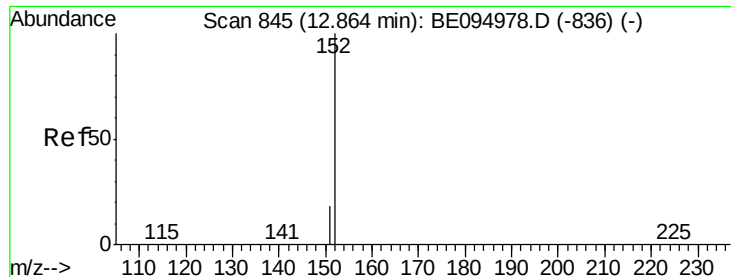


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

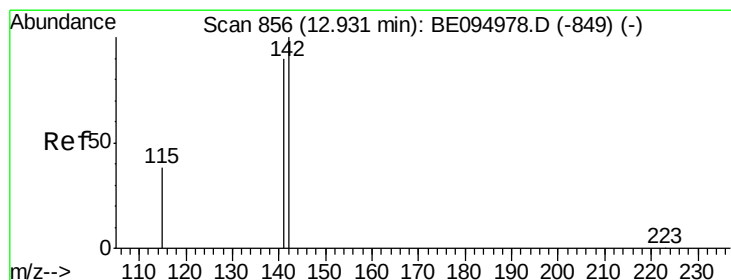
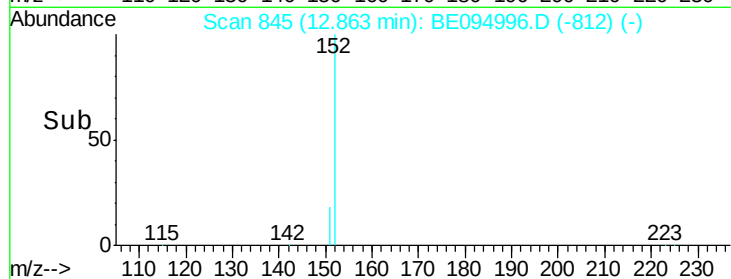
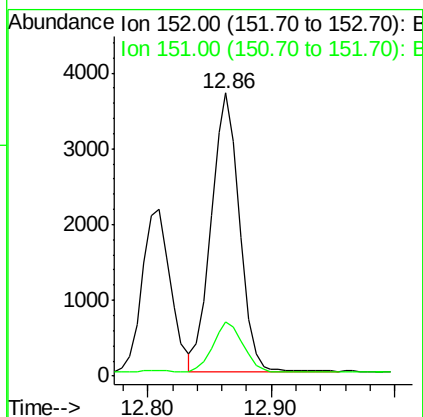
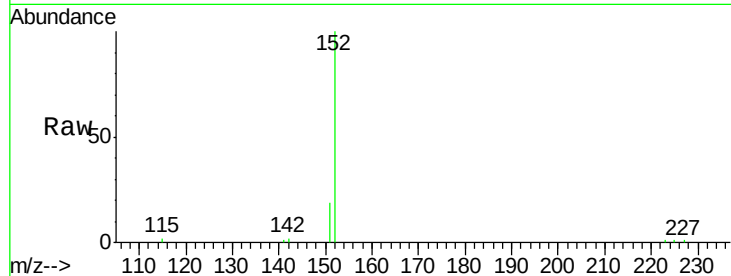




#11
 2-Methylnaphthalene-d10
 Concen: 0.243 ng
 RT: 12.86 min Scan# 845
 Delta R.T. -0.00 min
 Lab File: BE094996.D
 Acq: 15 Dec 2017 11:44

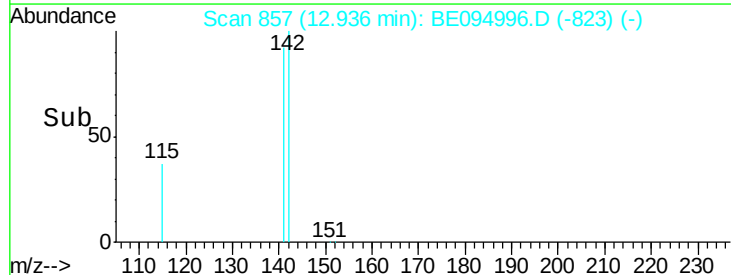
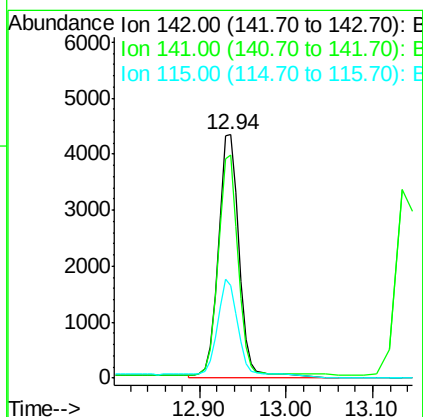
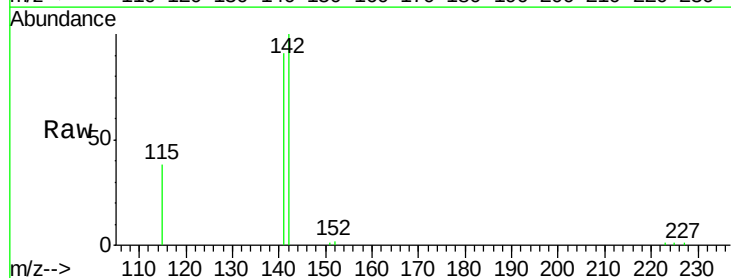
Instrument :
 BNA_E
 ClientSampleId :
 PB104984BS

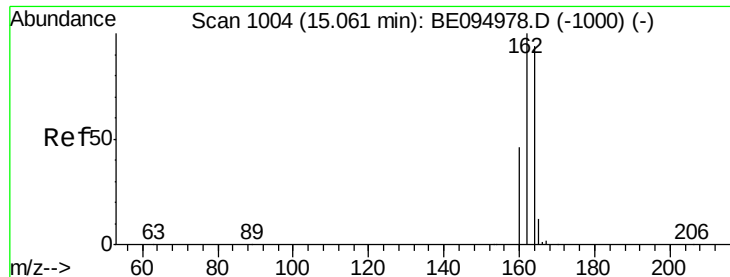
Tgt Ion:152 Resp: 5837
 Ion Ratio Lower Upper
 152 100
 151 19.2 15.4 23.0



#12
 2-Methylnaphthalene
 Concen: 0.245 ng
 RT: 12.94 min Scan# 857
 Delta R.T. 0.01 min
 Lab File: BE094996.D
 Acq: 15 Dec 2017 11:44

Tgt Ion:142 Resp: 10549
 Ion Ratio Lower Upper
 142 100
 141 91.5 70.4 105.6
 115 38.0 31.7 47.5





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 15.06 min Scan# 1004

Delta R.T. -0.00 min

Lab File: BE094996.D

Acq: 15 Dec 2017 11:44

Instrument :

BNA_E

ClientSampleId :

PB104984BS

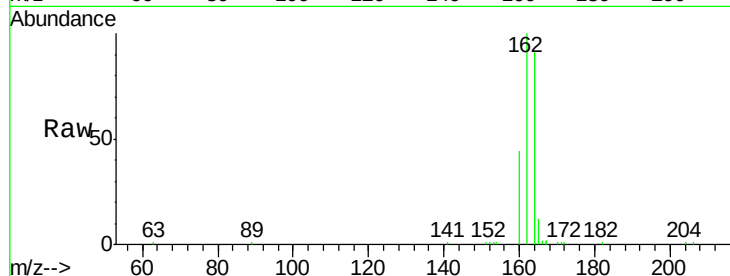
Tgt Ion:164 Resp: 7351

Ion Ratio Lower Upper

164 100

162 109.7 83.1 124.7

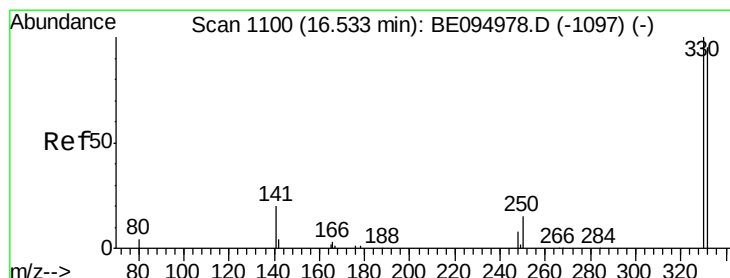
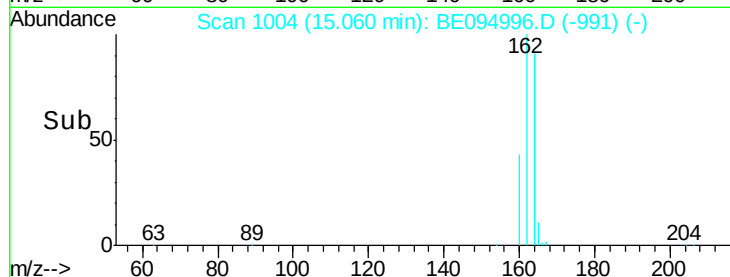
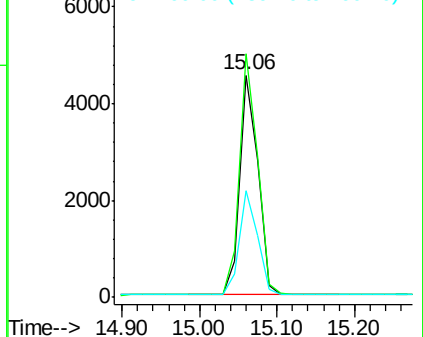
160 47.8 37.1 55.7



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: 0.272 ng

RT: 16.53 min Scan# 1100

Delta R.T. 0.00 min

Lab File: BE094996.D

Acq: 15 Dec 2017 11:44

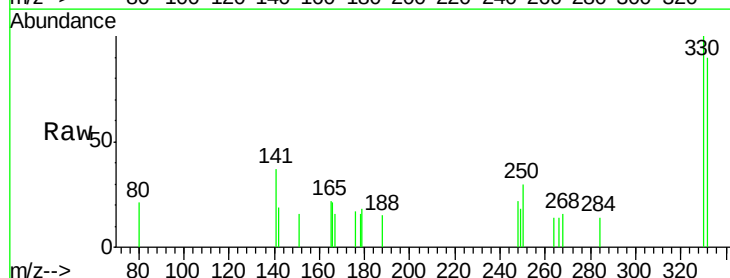
Tgt Ion:330 Resp: 464

Ion Ratio Lower Upper

330 100

332 96.3 152.7 229.1#

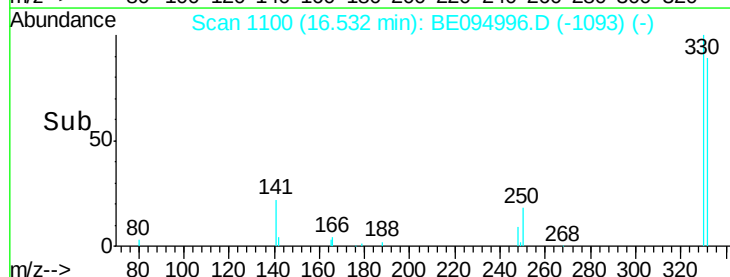
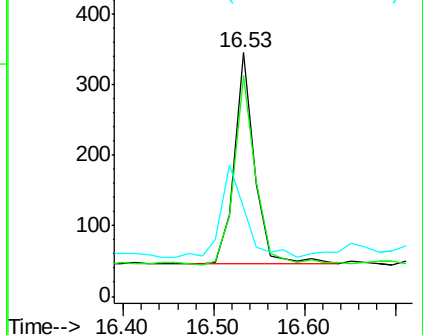
141 50.4 33.7 50.5

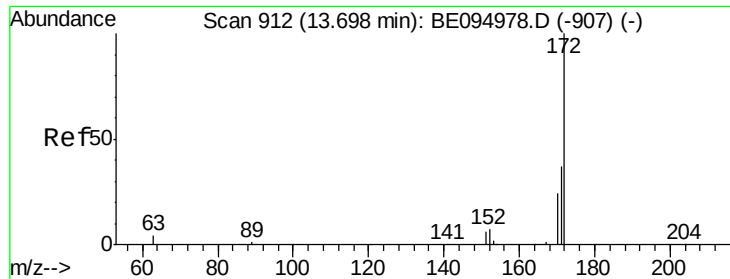


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

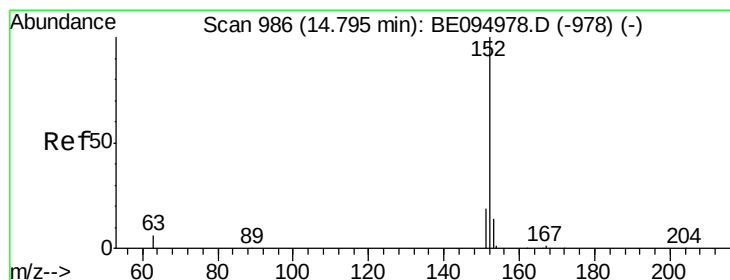
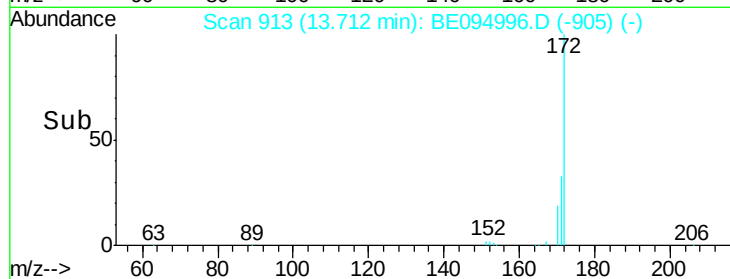
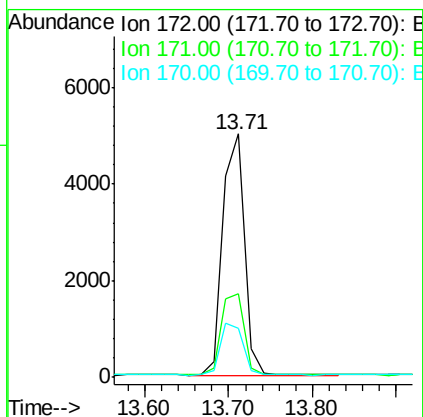
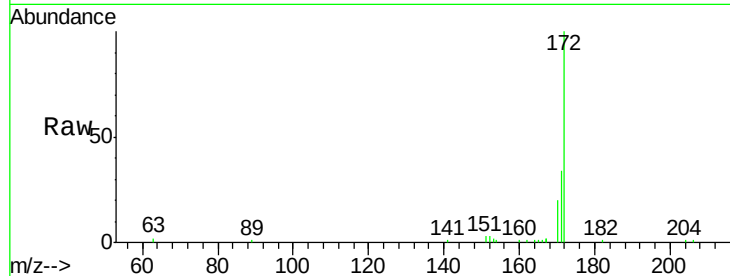




#15
 2-Fluorobiphenyl
 Concen: 0.274 ng
 RT: 13.71 min Scan# 913
 Delta R.T. 0.01 min
 Lab File: BE094996.D
 Acq: 15 Dec 2017 11:44

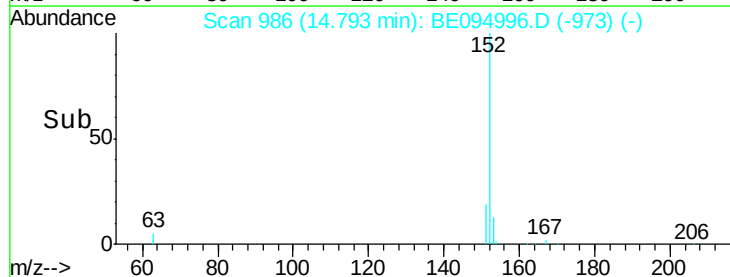
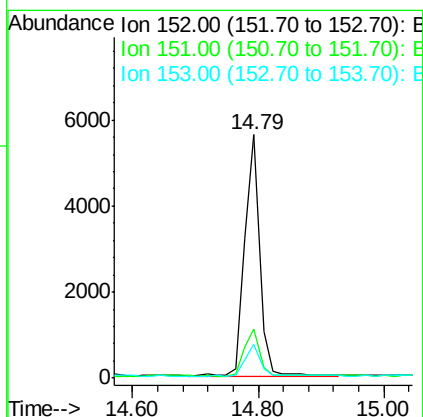
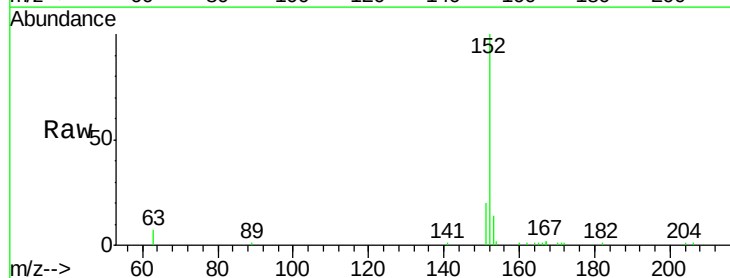
Instrument :
 BNA_E
 ClientSampleId :
 PB104984BS

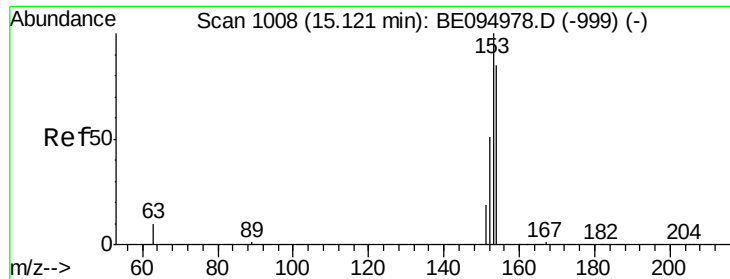
Tgt Ion:172 Resp: 8924
 Ion Ratio Lower Upper
 172 100
 171 34.1 29.9 44.9
 170 20.1 21.8 32.8#



#16
 Acenaphthylene
 Concen: 0.235 ng
 RT: 14.79 min Scan# 986
 Delta R.T. -0.00 min
 Lab File: BE094996.D
 Acq: 15 Dec 2017 11:44

Tgt Ion:152 Resp: 9252
 Ion Ratio Lower Upper
 152 100
 151 19.7 15.7 23.5
 153 13.2 10.5 15.7

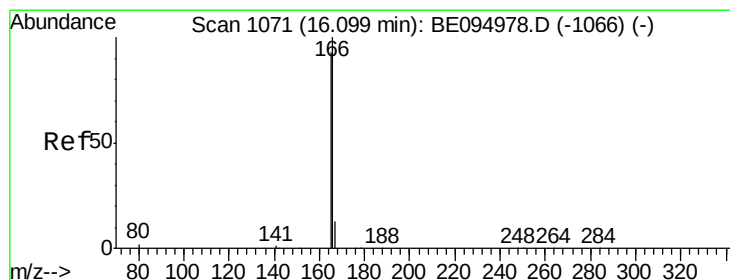
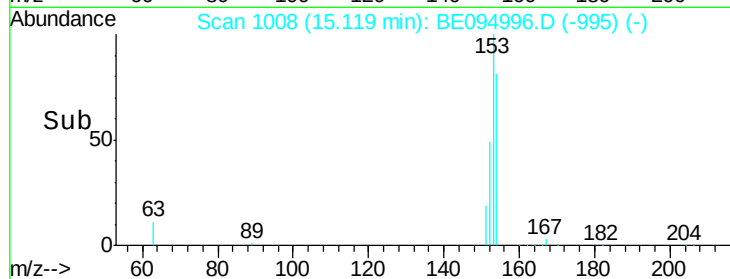
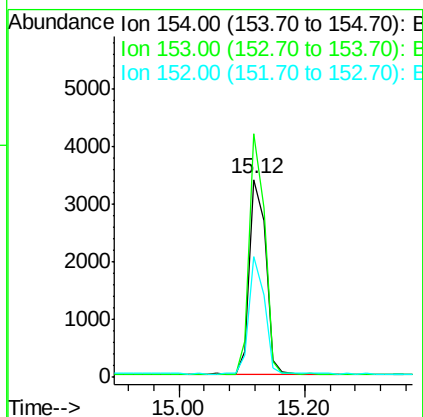
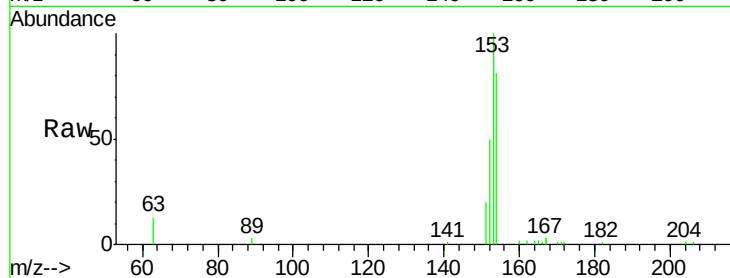




#17
Acenaphthene
Concen: 0.232 ng
RT: 15.12 min Scan# 1008
Delta R.T. -0.00 min
Lab File: BE094996.D
Acq: 15 Dec 2017 11:44

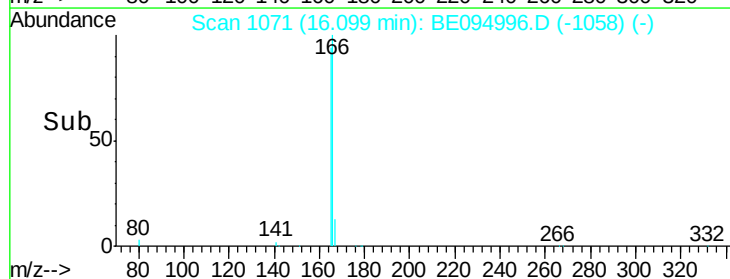
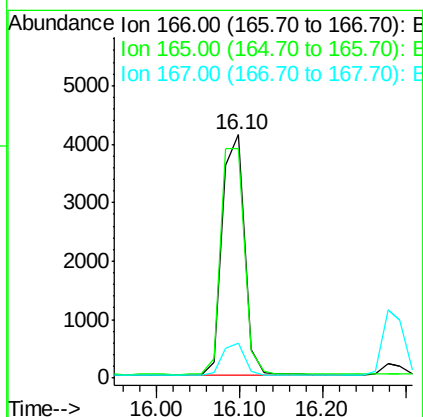
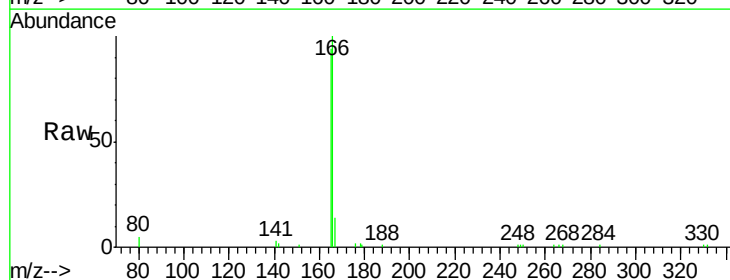
Instrument :
BNA_E
ClientSampleId :
PB104984BS

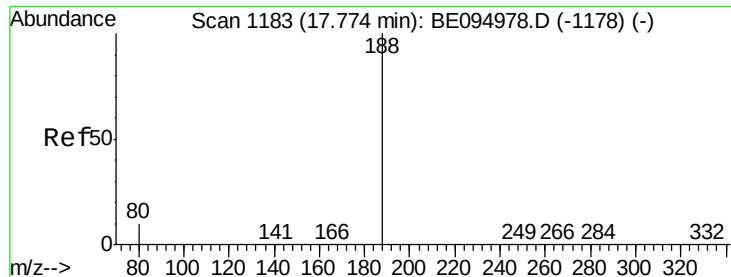
Tgt Ion:154 Resp: 6039
Ion Ratio Lower Upper
154 100
153 116.1 89.2 133.8
152 58.3 42.0 63.0



#18
Fluorene
Concen: 0.235 ng
RT: 16.10 min Scan# 1071
Delta R.T. -0.00 min
Lab File: BE094996.D
Acq: 15 Dec 2017 11:44

Tgt Ion:166 Resp: 7603
Ion Ratio Lower Upper
166 100
165 101.2 77.8 116.6
167 13.3 42.4 63.6#





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.77 min Scan# 1183

Delta R.T. -0.00 min

Lab File: BE094996.D

Acq: 15 Dec 2017 11:44

Instrument :

BNA_E

ClientSampleId :

PB104984BS

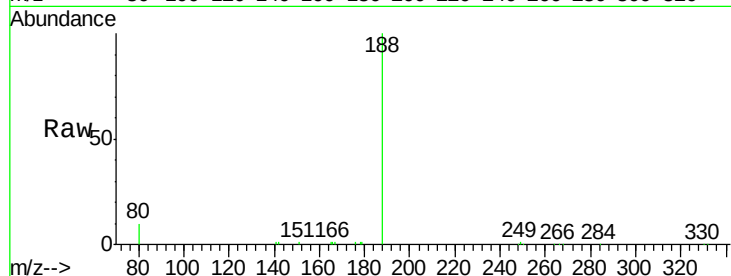
Tgt Ion:188 Resp: 16629

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

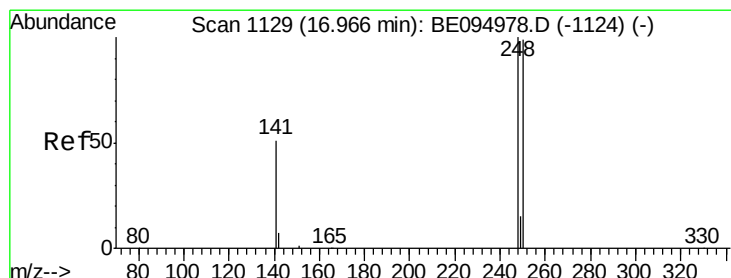
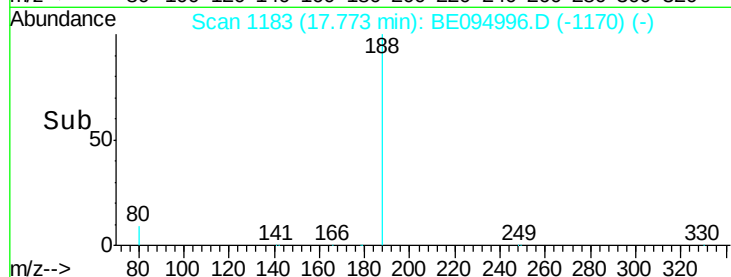
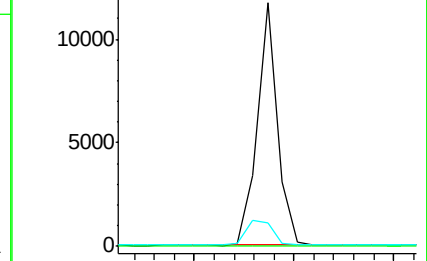
80 9.8 3.6 5.4#



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: 0.249 ng

RT: 16.97 min Scan# 1129

Delta R.T. -0.00 min

Lab File: BE094996.D

Acq: 15 Dec 2017 11:44

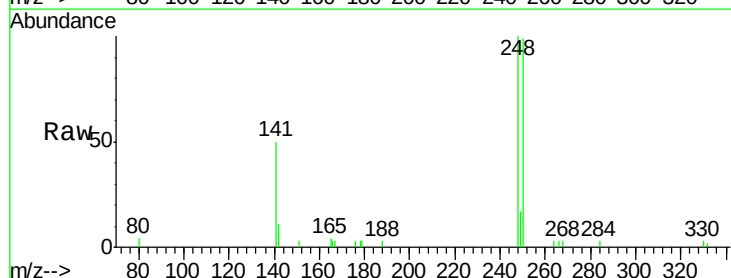
Tgt Ion:248 Resp: 2426

Ion Ratio Lower Upper

248 100

250 98.7 62.7 94.1#

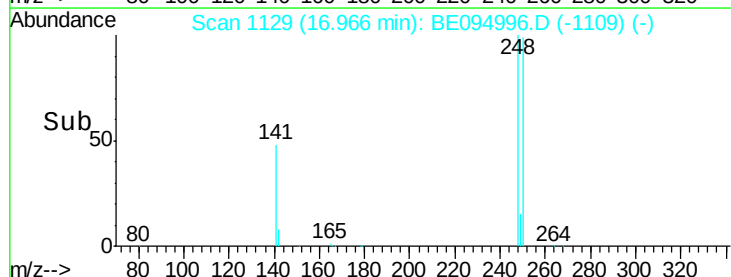
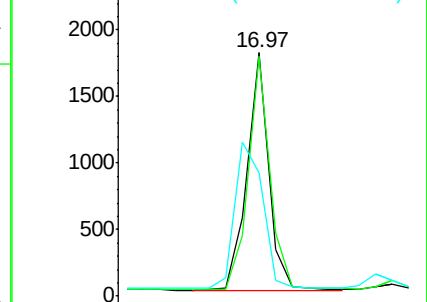
141 50.5 48.2 72.2

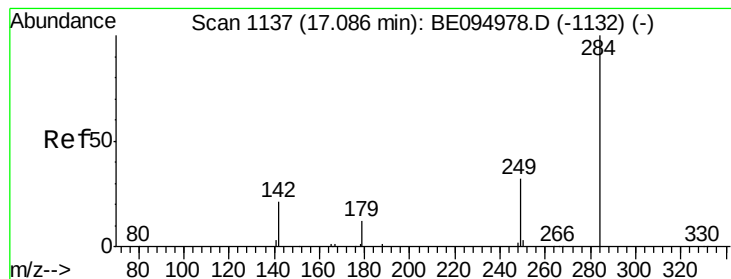


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.248 ng

RT: 17.09 min Scan# 1137

Delta R.T. -0.00 min

Lab File: BE094996.D

Acq: 15 Dec 2017 11:44

Instrument :

BNA_E

ClientSampleId :

PB104984BS

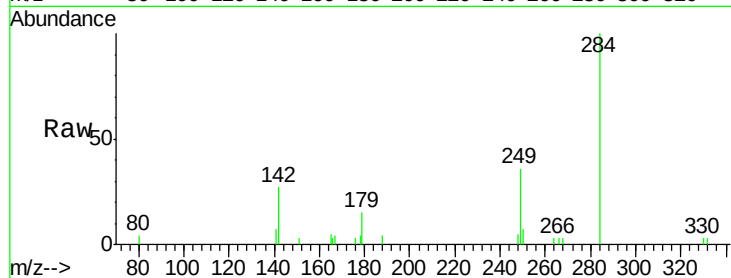
Tgt Ion:284 Resp: 2470

Ion Ratio Lower Upper

284 100

142 41.3 22.1 33.1#

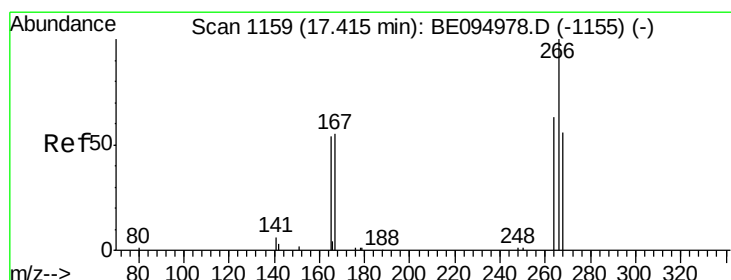
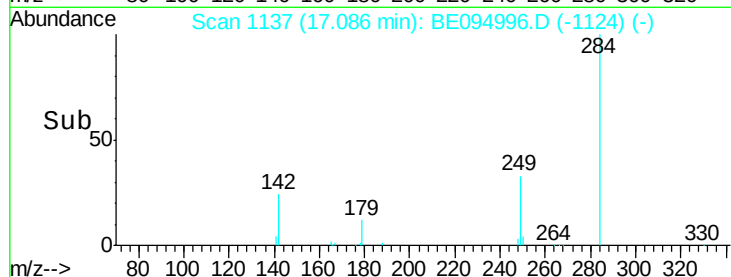
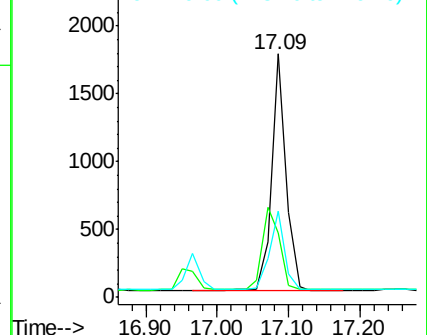
249 34.8 34.8 52.2



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#22

Pentachlorophenol

Concen: 0.526 ng

RT: 17.41 min Scan# 1159

Delta R.T. -0.00 min

Lab File: BE094996.D

Acq: 15 Dec 2017 11:44

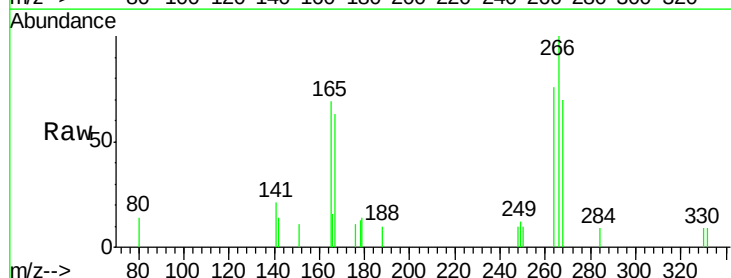
Tgt Ion:266 Resp: 1101

Ion Ratio Lower Upper

266 100

264 75.9 72.5 108.7

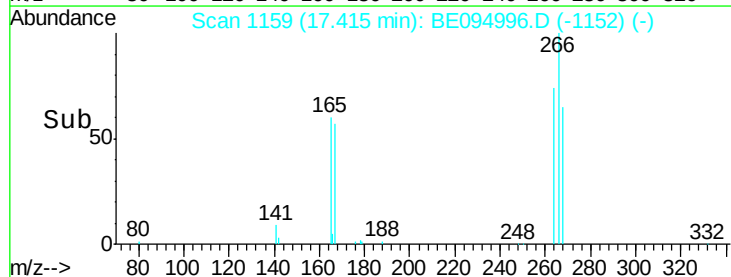
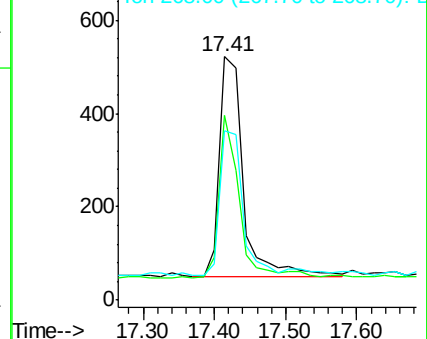
268 69.5 73.8 110.6#

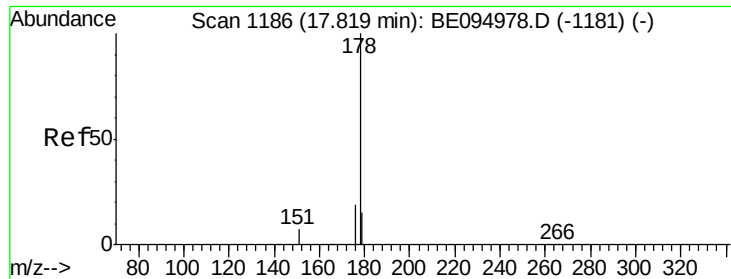


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.248 ng

RT: 17.82 min Scan# 1186

Delta R.T. -0.00 min

Lab File: BE094996.D

Acq: 15 Dec 2017 11:44

Instrument :

BNA_E

ClientSampleId :

PB104984BS

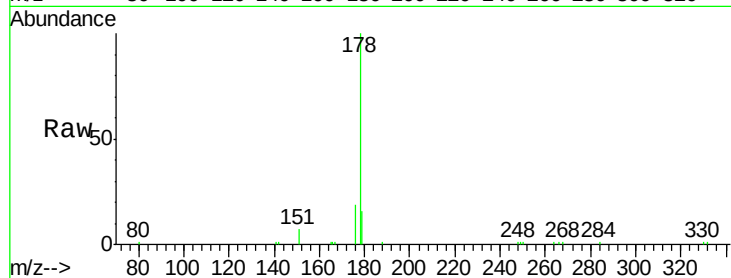
Tgt Ion:178 Resp: 12850

Ion Ratio Lower Upper

178 100

176 20.0 15.1 22.7

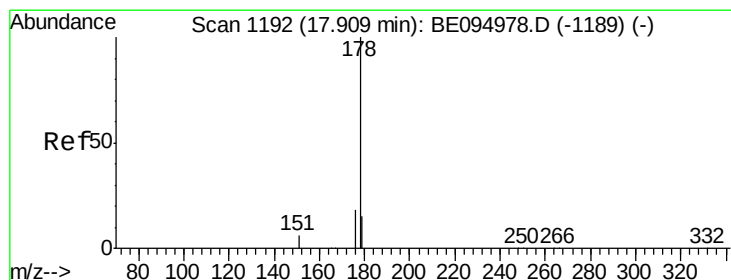
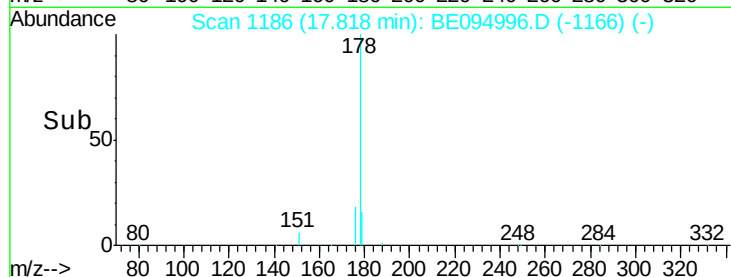
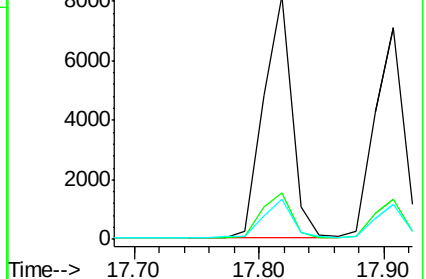
179 15.8 11.8 17.6



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: 0.252 ng

RT: 17.91 min Scan# 1192

Delta R.T. -0.00 min

Lab File: BE094996.D

Acq: 15 Dec 2017 11:44

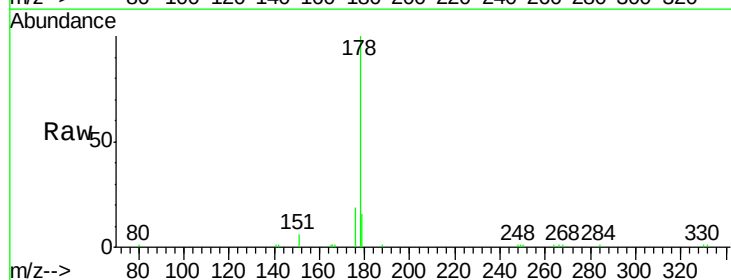
Tgt Ion:178 Resp: 13396

Ion Ratio Lower Upper

178 100

176 22.1 12.8 19.2#

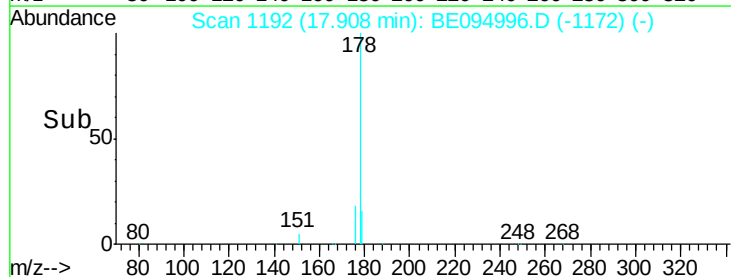
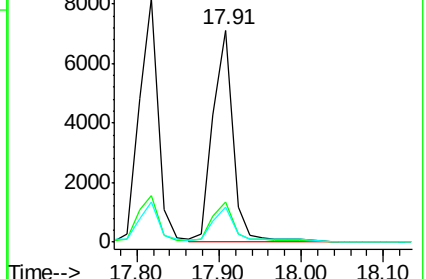
179 19.7 13.0 19.6#

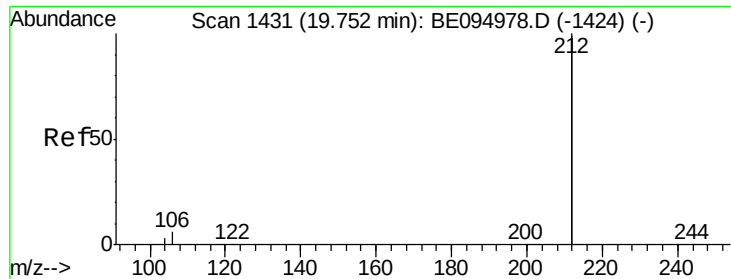


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.243 ng

RT: 19.75 min Scan# 1431

Delta R.T. 0.00 min

Lab File: BE094996.D

Acq: 15 Dec 2017 11:44

Instrument :

BNA_E

ClientSampleId :

PB104984BS

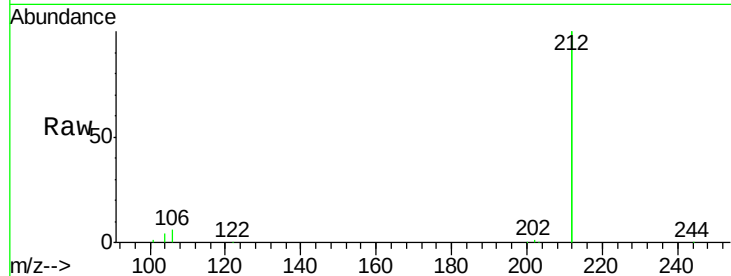
Tgt Ion:212 Resp: 52510

Ion Ratio Lower Upper

212 100

106 3.2 2.8 4.2

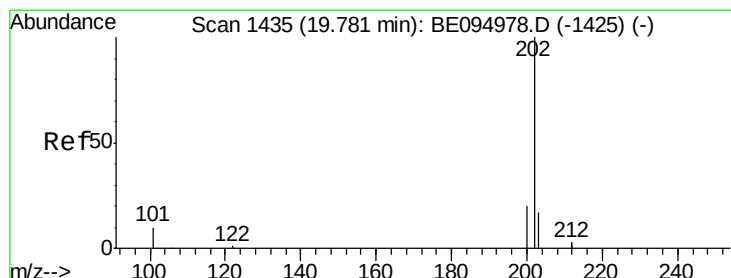
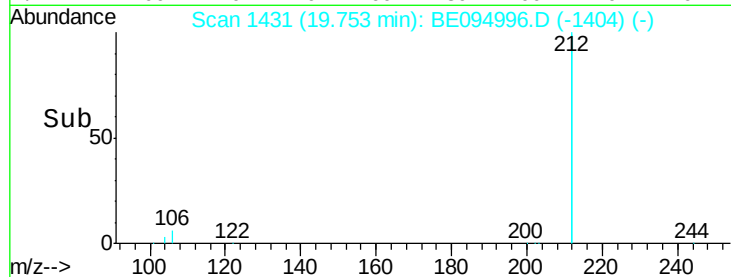
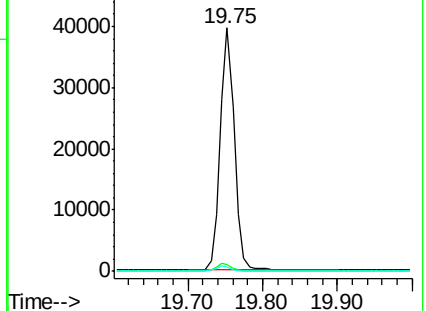
104 2.0 1.6 2.4



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: 0.245 ng

RT: 19.78 min Scan# 1435

Delta R.T. 0.00 min

Lab File: BE094996.D

Acq: 15 Dec 2017 11:44

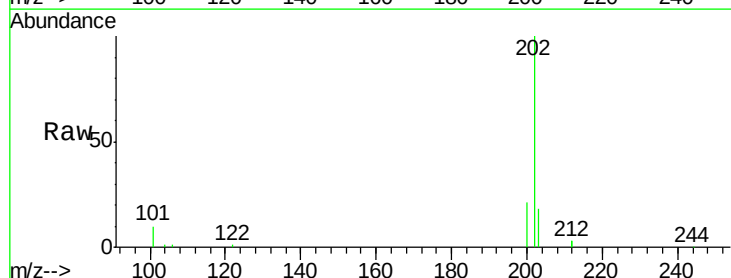
Tgt Ion:202 Resp: 15649

Ion Ratio Lower Upper

202 100

101 11.0 9.8 14.8

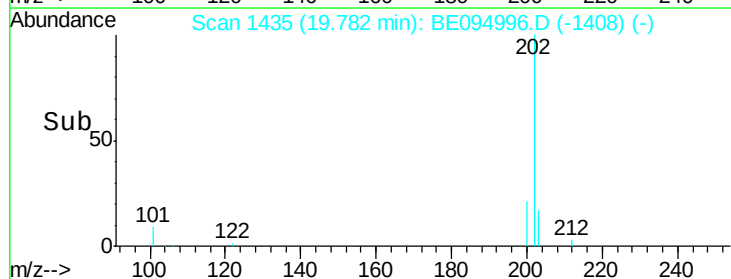
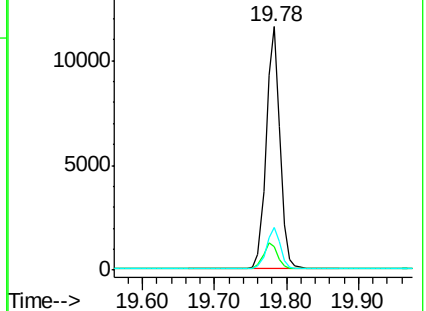
203 17.8 13.7 20.5

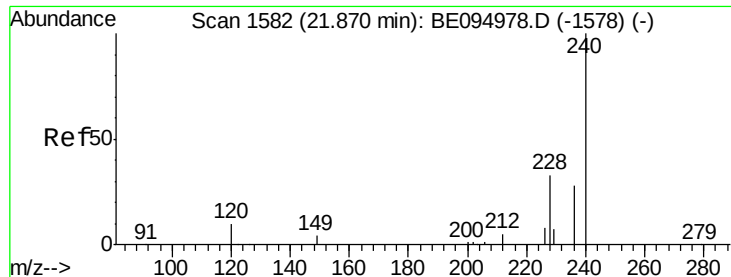


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.87 min Scan# 1582

Delta R.T. 0.00 min

Lab File: BE094996.D

Acq: 15 Dec 2017 11:44

Instrument :

BNA_E

ClientSampleId :

PB104984BS

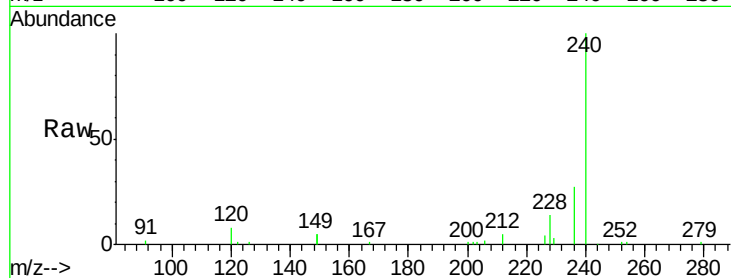
Tgt Ion:240 Resp: 19170

Ion Ratio Lower Upper

240 100

120 8.2 5.5 8.3

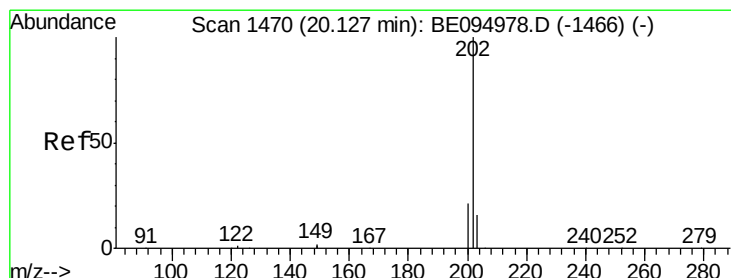
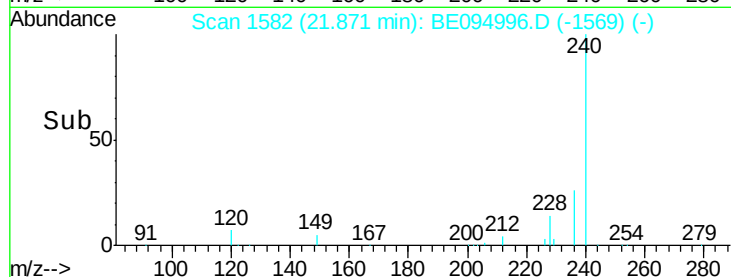
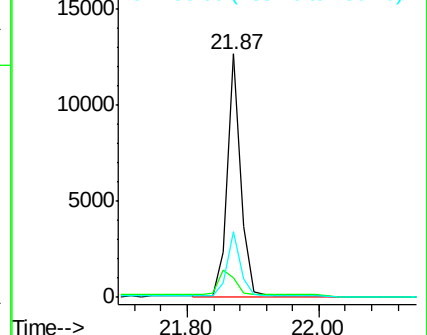
236 26.8 20.7 31.1



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: 0.262 ng

RT: 20.13 min Scan# 1470

Delta R.T. 0.00 min

Lab File: BE094996.D

Acq: 15 Dec 2017 11:44

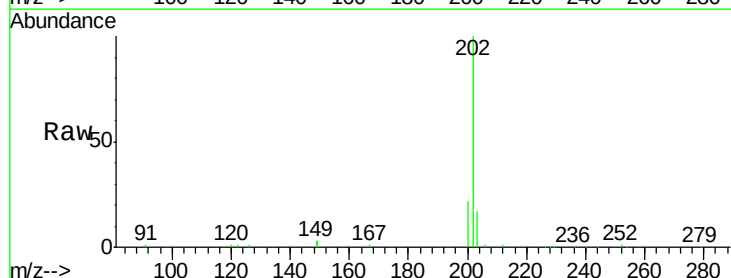
Tgt Ion:202 Resp: 17010

Ion Ratio Lower Upper

202 100

200 20.4 16.6 25.0

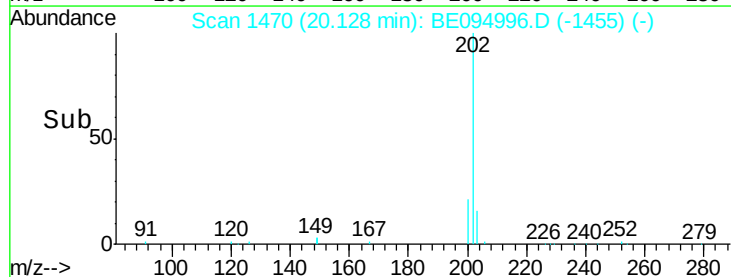
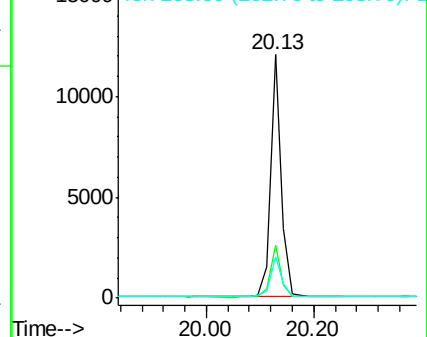
203 19.6 13.8 20.8

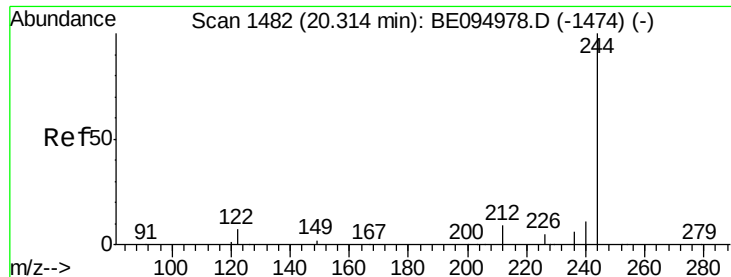


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.293 ng

RT: 20.31 min Scan# 1482

Delta R.T. 0.00 min

Lab File: BE094996.D

Acq: 15 Dec 2017 11:44

Instrument :

BNA_E

ClientSampleId :

PB104984BS

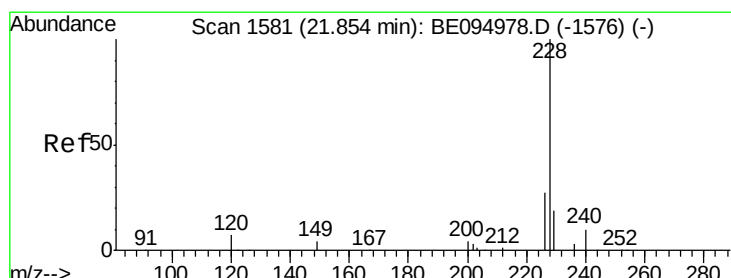
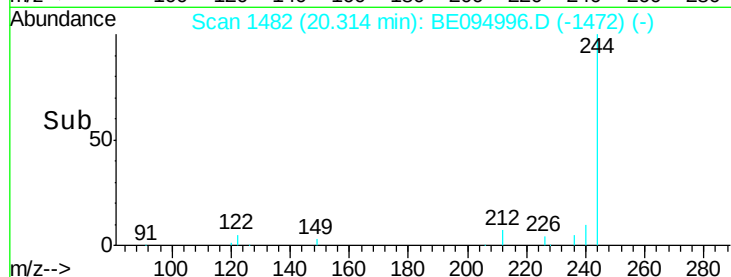
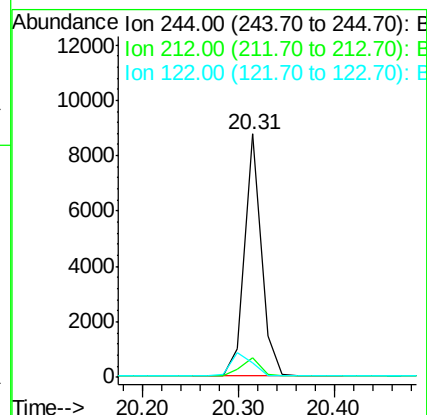
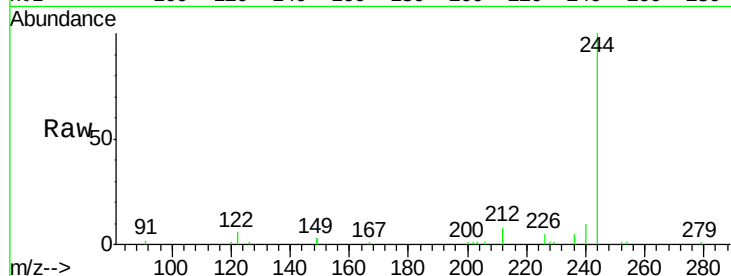
Tgt Ion:244 Resp: 10561

Ion Ratio Lower Upper

244 100

212 7.9 25.4 38.0#

122 5.9 8.1 12.1#



#30

Benzo(a)anthracene

Concen: 0.278 ng

RT: 21.86 min Scan# 1581

Delta R.T. 0.00 min

Lab File: BE094996.D

Acq: 15 Dec 2017 11:44

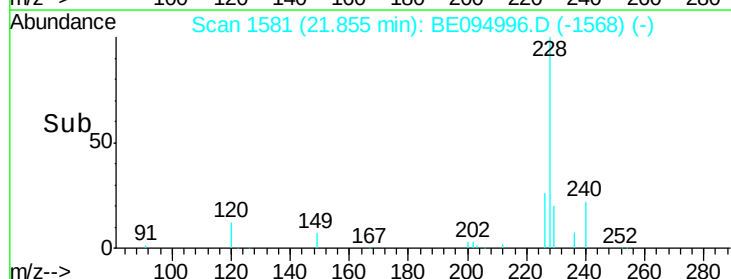
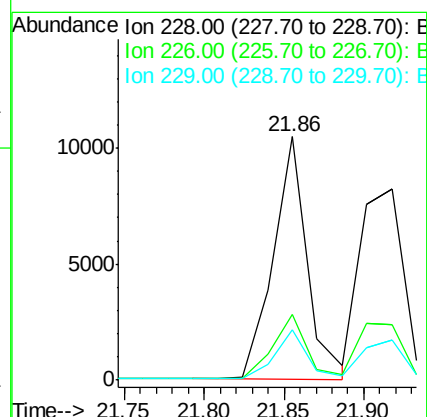
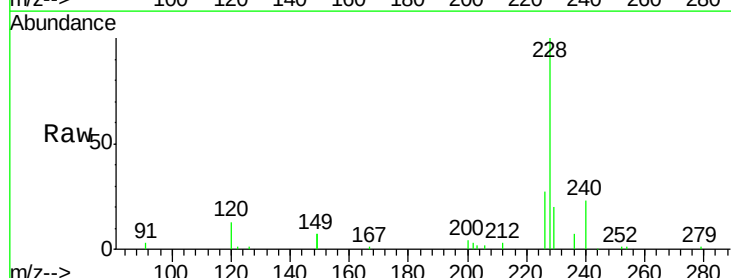
Tgt Ion:228 Resp: 15553

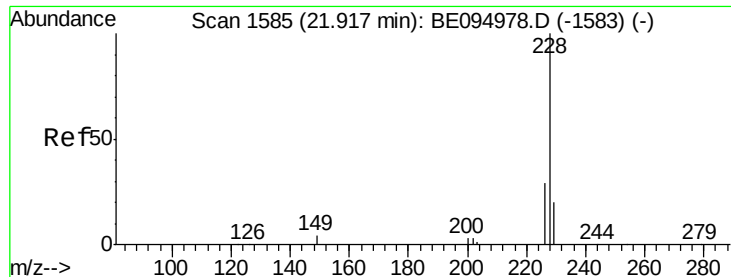
Ion Ratio Lower Upper

228 100

226 26.8 40.0 60.0#

229 20.4 40.0 60.0#





#31

Chrysene

Concen: 0.272 ng

RT: 21.92 min Scan# 1585

Delta R.T. 0.00 min

Lab File: BE094996.D

Acq: 15 Dec 2017 11:44

Instrument :

BNA_E

ClientSampleId :

PB104984BS

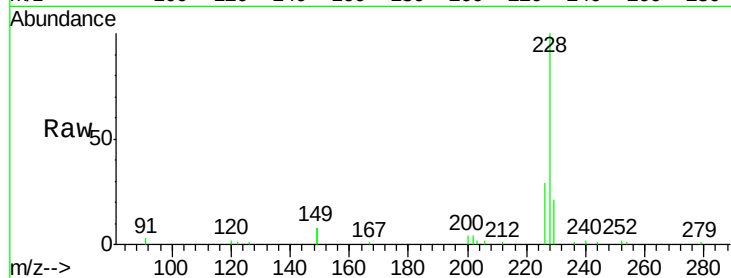
Tgt Ion:228 Resp: 17154

Ion Ratio Lower Upper

228 100

226 28.8 40.0 60.0#

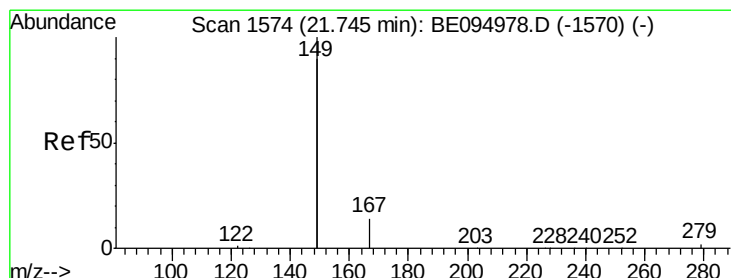
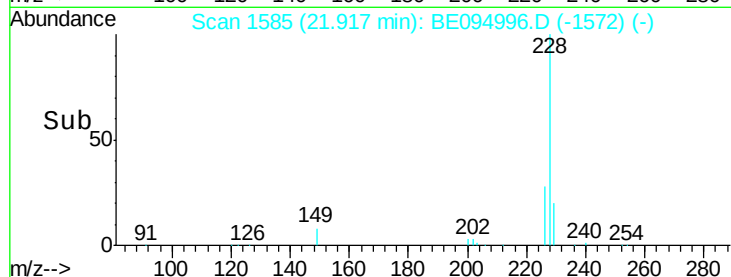
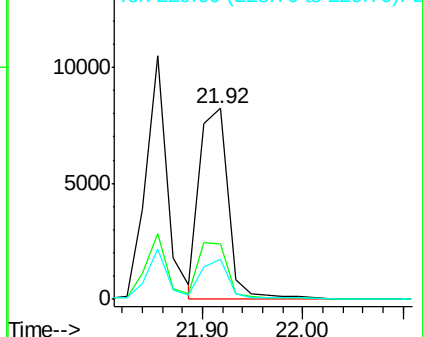
229 21.0 40.0 60.0#



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: 0.249 ng

RT: 21.73 min Scan# 1573

Delta R.T. -0.01 min

Lab File: BE094996.D

Acq: 15 Dec 2017 11:44

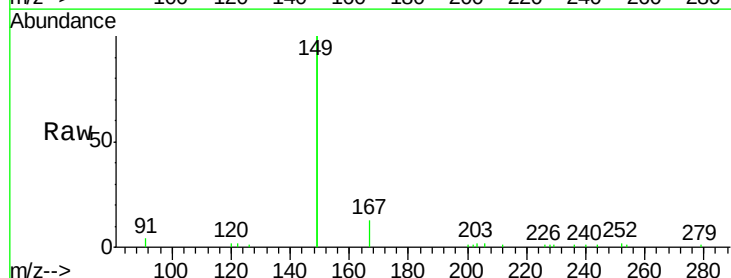
Tgt Ion:149 Resp: 17768

Ion Ratio Lower Upper

149 100

167 6.9 5.4 8.0

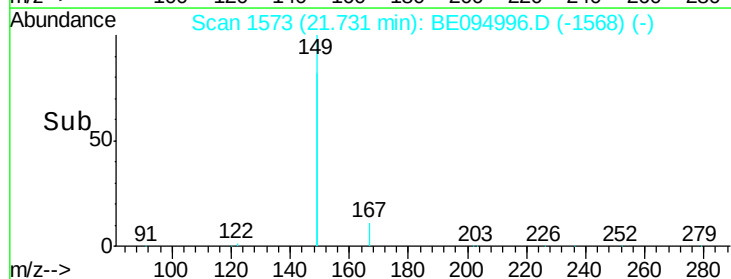
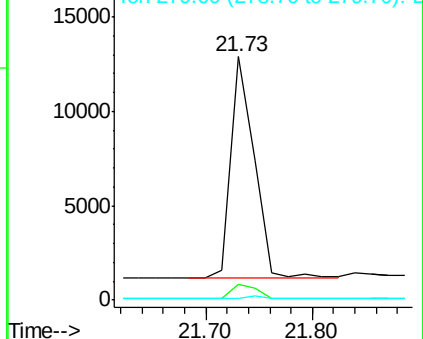
279 1.0 0.7 1.1

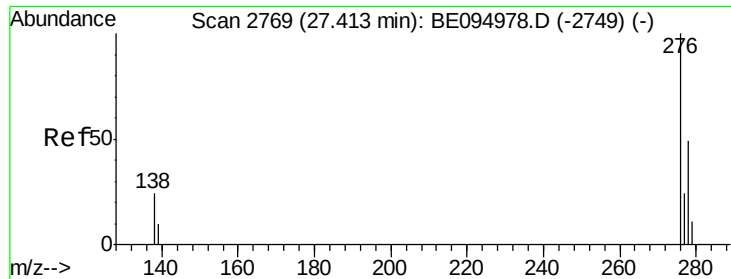


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.293 ng

RT: 27.41 min Scan# 2768

Delta R.T. -0.01 min

Lab File: BE094996.D

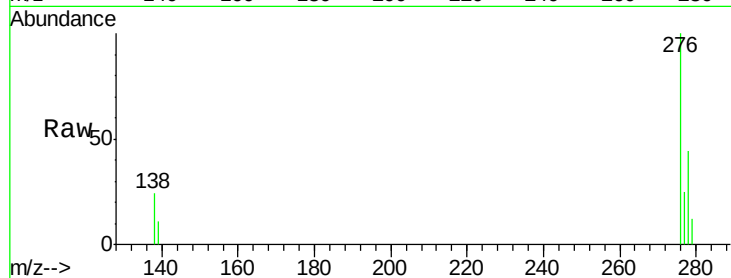
Acq: 15 Dec 2017 11:44

Instrument :

BNA_E

ClientSampleId :

PB104984BS



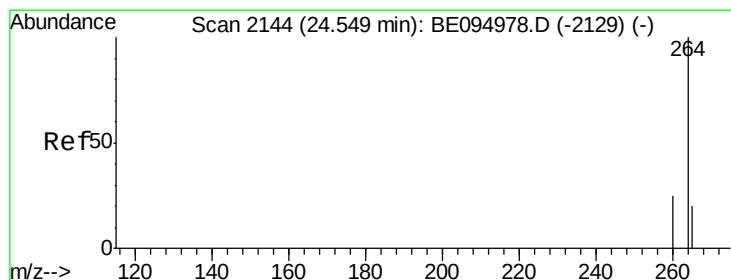
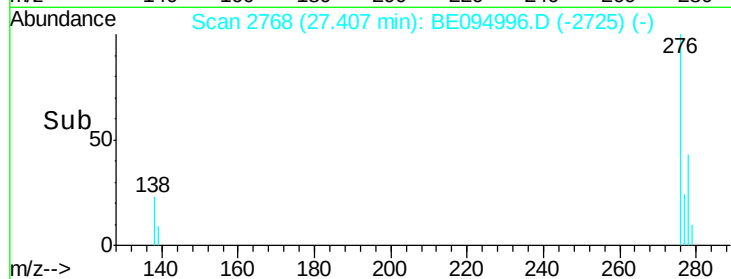
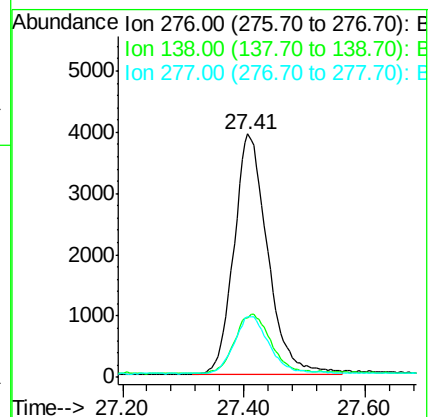
Tgt Ion:276 Resp: 15065

Ion Ratio Lower Upper

276 100

138 26.9 22.5 33.7

277 24.7 19.9 29.9



#34

Perylene-d12

Concen: 0.400 ng

RT: 24.55 min Scan# 2144

Delta R.T. -0.00 min

Lab File: BE094996.D

Acq: 15 Dec 2017 11:44

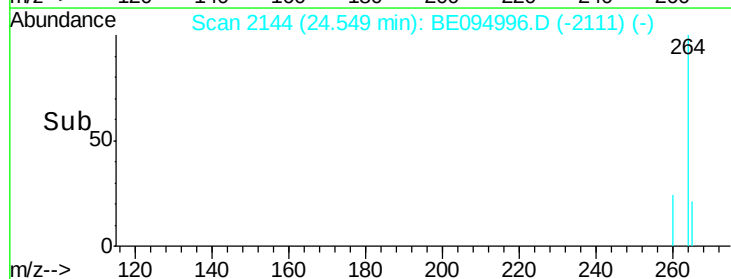
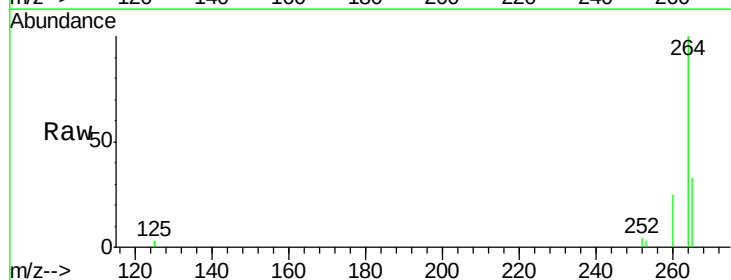
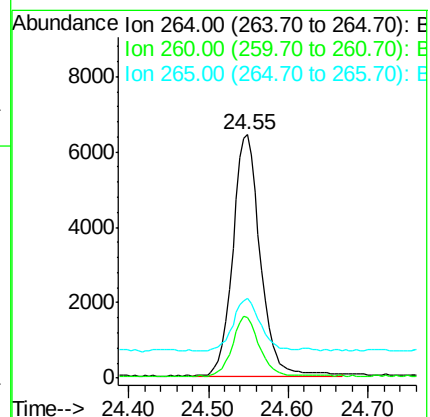
Tgt Ion:264 Resp: 15240

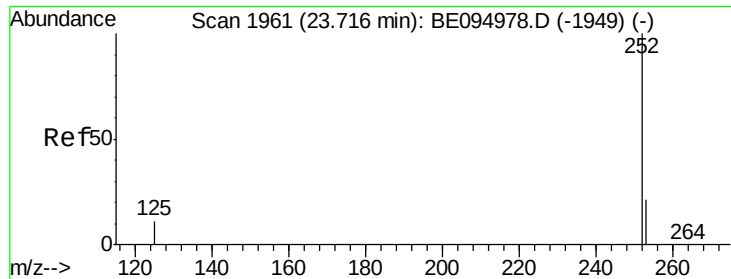
Ion Ratio Lower Upper

264 100

260 25.0 20.5 30.7

265 32.7 22.8 34.2





#35

Benzo(b)fluoranthene

Concen: 0.264 ng

RT: 23.72 min Scan# 1961

Delta R.T. -0.00 min

Lab File: BE094996.D

Acq: 15 Dec 2017 11:44

Instrument :

BNA_E

ClientSampleId :

PB104984BS

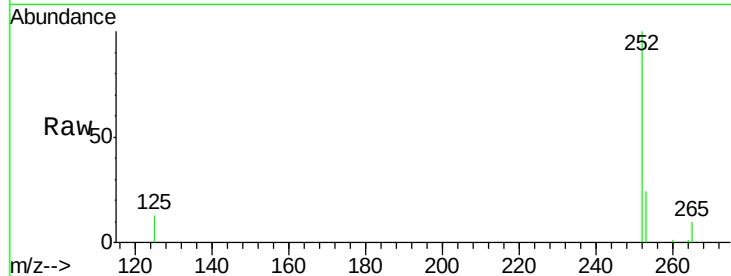
Tgt Ion:252 Resp: 14793

Ion Ratio Lower Upper

252 100

253 23.6 20.0 30.0

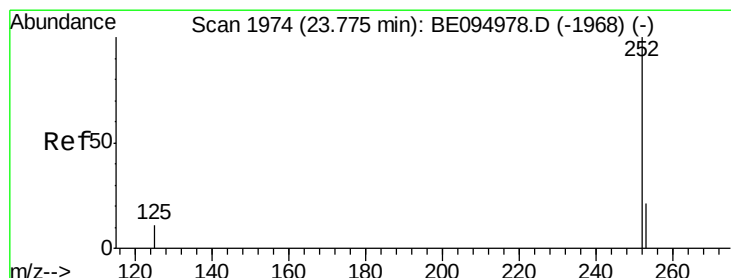
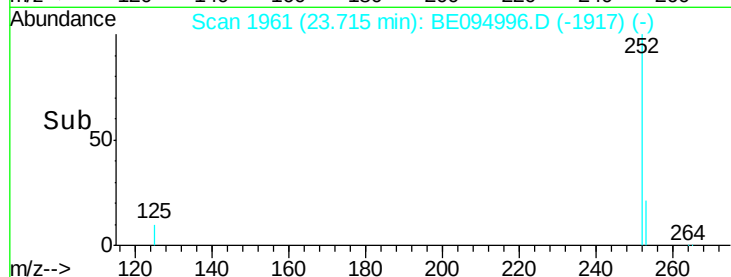
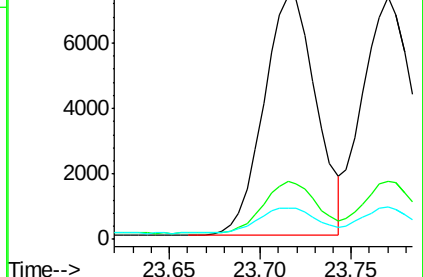
125 12.9 16.0 24.0#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#36

Benzo(k)fluoranthene

Concen: 0.257 ng

RT: 23.77 min Scan# 1973

Delta R.T. -0.01 min

Lab File: BE094996.D

Acq: 15 Dec 2017 11:44

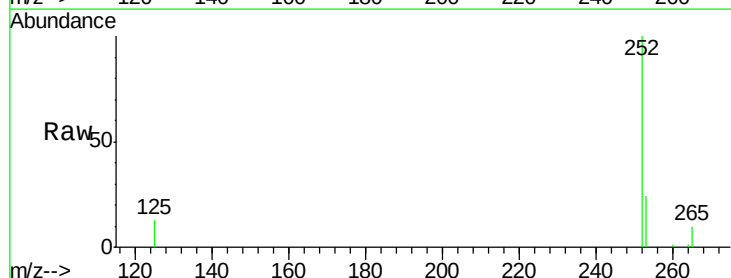
Tgt Ion:252 Resp: 14555

Ion Ratio Lower Upper

252 100

253 23.8 16.0 24.0

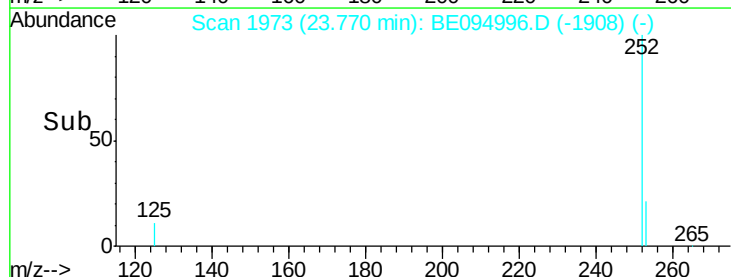
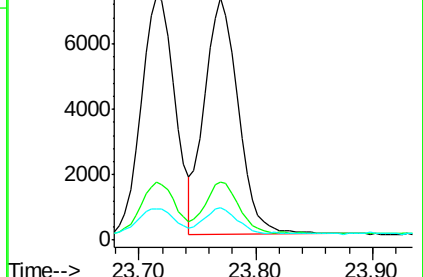
125 13.2 8.0 12.0#

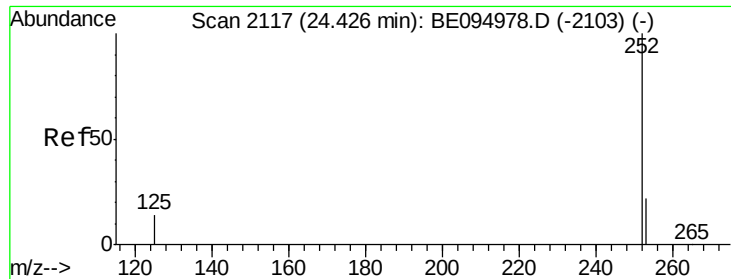


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.273 ng

RT: 24.43 min Scan# 2117

Delta R.T. -0.00 min

Lab File: BE094996.D

Acq: 15 Dec 2017 11:44

Instrument :

BNA_E

ClientSampleId :

PB104984BS

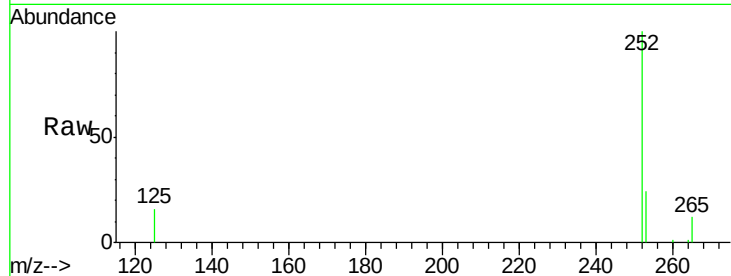
Tgt Ion:252 Resp: 13546

Ion Ratio Lower Upper

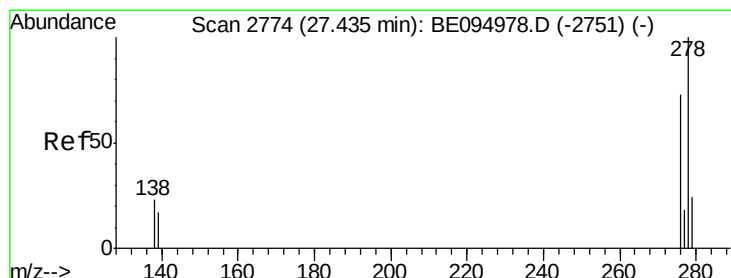
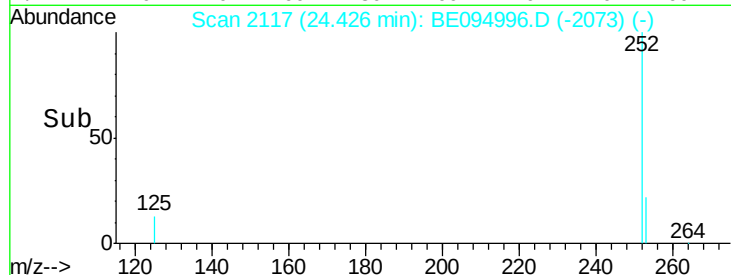
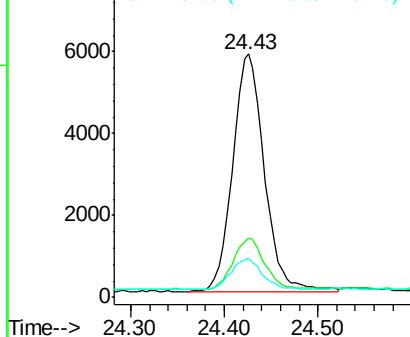
252 100

253 24.3 16.0 24.0#

125 15.7 12.0 18.0



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#38

Dibenzo(a,h)anthracene

Concen: 0.268 ng

RT: 27.43 min Scan# 2774

Delta R.T. -0.00 min

Lab File: BE094996.D

Acq: 15 Dec 2017 11:44

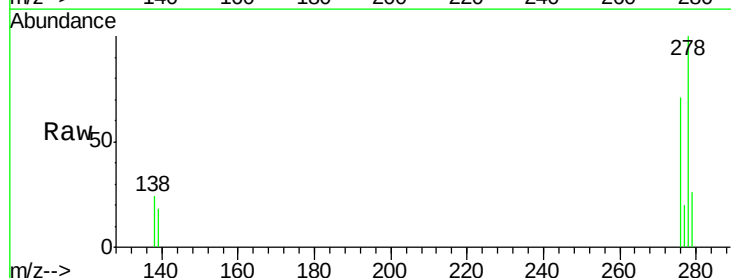
Tgt Ion:278 Resp: 12349

Ion Ratio Lower Upper

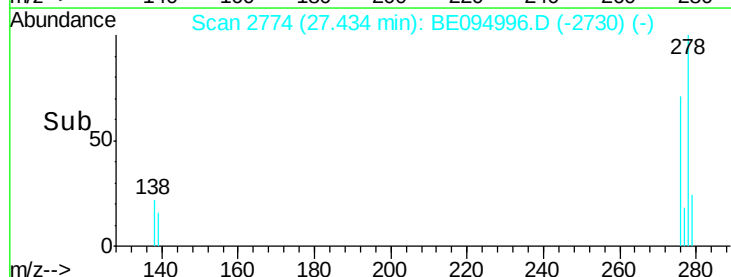
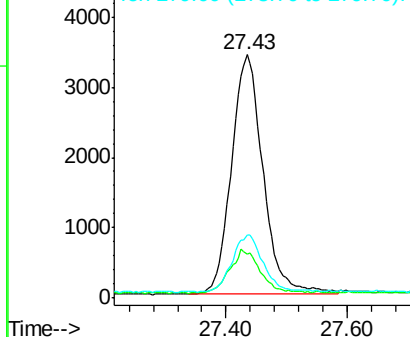
278 100

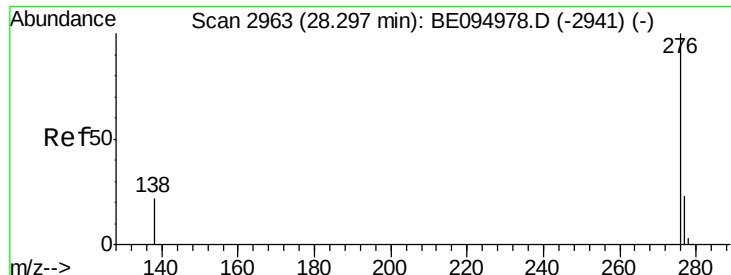
139 18.2 16.0 24.0

279 25.9 20.0 30.0



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#39

Benzo(g,h,i)perylene

Concen: 0.285 ng

RT: 28.29 min Scan# 2962

Delta R.T. -0.01 min

Lab File: BE094996.D

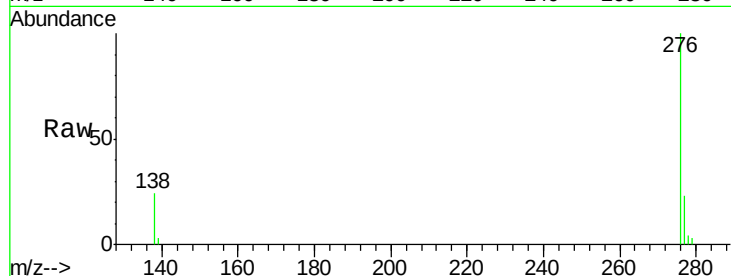
Acq: 15 Dec 2017 11:44

Instrument :

BNA_E

ClientSampleId :

PB104984BS



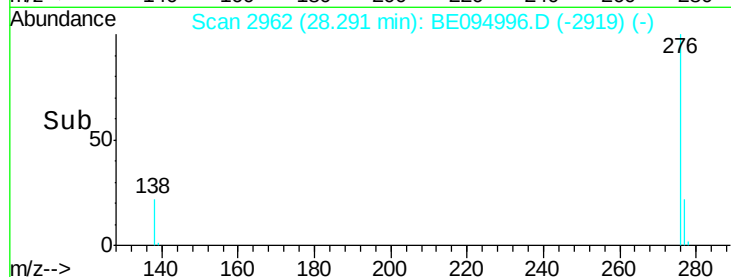
Tgt Ion: 276 Resp: 13063

Ion Ratio Lower Upper

276 100

277 23.2 16.0 24.0

138 23.8 20.0 30.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

