

Data Path : Z:\HPCHEM1\BNA E\DATA\BE100617\
 Data File : BE094184.D
 Acq On : 6 Oct 2017 18:12
 Operator : SJ/JU
 Sample : PB102941BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB102941BS

Quant Time: Oct 07 01:12:37 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE100617.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 06 15:16:13 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.90	152	1441	0.40	ng	0.00
7) Naphthalene-d8	10.69	136	6398	0.40	ng	0.00
13) Acenaphthene-d10	14.51	164	3555	0.40	ng	0.00
19) Phenanthrene-d10	17.24	188	11077	0.40	ng	0.00
27) Chrysene-d12	21.40	240	10294	0.40	ng	0.00
34) Perylene-d12	23.91	264	9301	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.50	112	1304	0.27	ng	0.00
5) Phenol-d6	7.09	99	1706	0.25	ng	0.00
8) Nitrobenzene-d5	9.06	82	1561	0.29	ng	0.00
11) 2-Methylnaphthalene-d10	12.27	152	2894	0.29	ng	0.00
14) 2,4,6-Tribromophenol	16.00	330	327	0.21	ng	0.00
15) 2-Fluorobiphenyl	13.13	172	3691	0.30	ng	0.00
25) Fluoranthene-d10	19.27	212	33661	0.30	ng	0.00
29) Terphenyl-d14	19.85	244	5662	0.29	ng	0.00

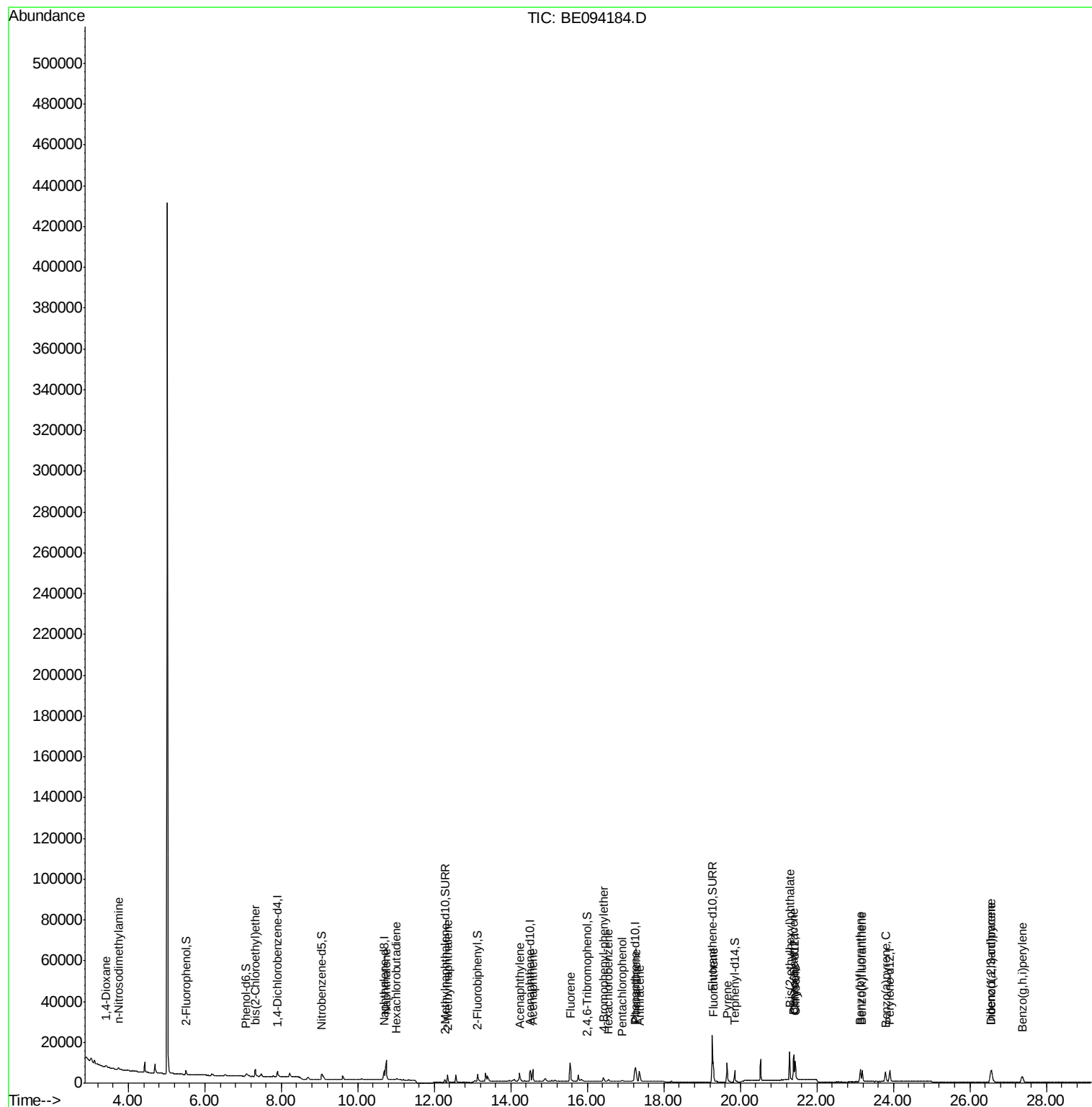
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.42	88	685	0.262	ng	# 40
3) n-Nitrosodimethylamine	3.74	42	824	0.294	ng	# 91
6) bis(2-Chloroethyl)ether	7.33	93	1372	0.243	ng	84
9) Naphthalene	10.74	128	19024	0.264	ng	100
10) Hexachlorobutadiene	11.01	225	723	0.264	ng	98
12) 2-Methylnaphthalene	12.35	142	3102	0.262	ng	98
16) Acenaphthylene	14.23	152	4782	0.266	ng	99
17) Acenaphthene	14.57	154	3233	0.272	ng	99
18) Fluorene	15.55	166	4233	0.272	ng	99
20) 4-Bromophenyl-phenylether	16.42	248	1623	0.254	ng	92
21) Hexachlorobenzene	16.55	284	1414	0.247	ng	88
22) Pentachlorophenol	16.91	266	718	0.462	ng	# 74
23) Phenanthrene	17.27	178	10088	0.263	ng	99
24) Anthracene	17.37	178	8134	0.278	ng	99
26) Fluoranthene	19.30	202	8988	0.267	ng	99
28) Pyrene	19.65	202	9296	0.263	ng	99
30) Benzo(a)anthracene	21.38	228	8886	0.263	ng	99
31) Chrysene	21.44	228	8894	0.267	ng	99
32) Bis(2-ethylhexyl)phthalate	21.29	149	17869	0.229	ng	100
33) Indeno(1,2,3-cd)pyrene	26.55	276	9102	0.275	ng	99
35) Benzo(b)fluoranthene	23.13	252	8604	0.275	ng	97
36) Benzo(k)fluoranthene	23.18	252	8816	0.277	ng	99
37) Benzo(a)pyrene	23.79	252	8274	0.280	ng	99
38) Dibenzo(a,h)anthracene	26.56	278	7478	0.273	ng	99
39) Benzo(g,h,i)perylene	27.37	276	7672	0.274	ng	98

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

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.90 min Scan# 401

Delta R.T. -0.00 min

Lab File: BE094184.D

Acq: 6 Oct 2017 18:12

Instrument :

BNA_E

ClientSampleId :

PB102941BS

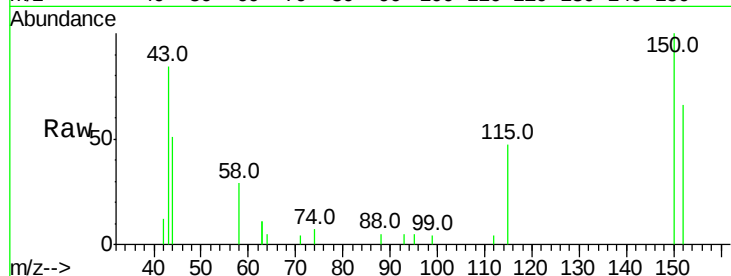
Tot Ion:152 Resp: 1441

Ion Ratio Lower Upper

152 100

150 152.2 117.2 175.8

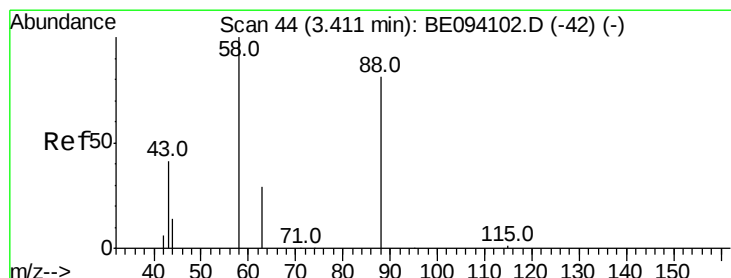
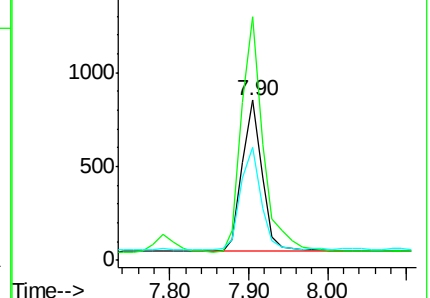
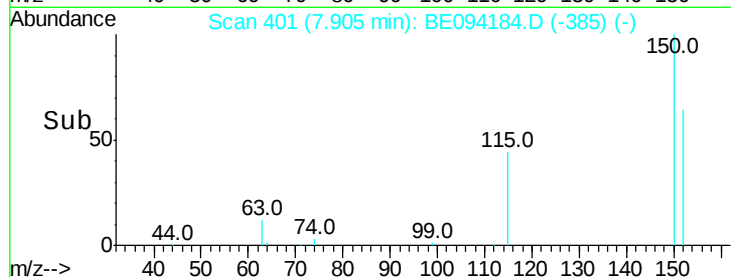
115 70.9 57.0 85.6



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: 0.262 ng

RT: 3.42 min Scan# 45

Delta R.T. 0.01 min

Lab File: BE094184.D

Acq: 6 Oct 2017 18:12

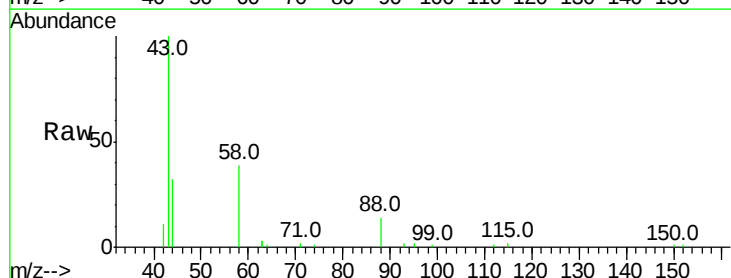
Tgt Ion: 88 Resp: 685

Ion Ratio Lower Upper

88 100

58 124.2 63.2 94.8#

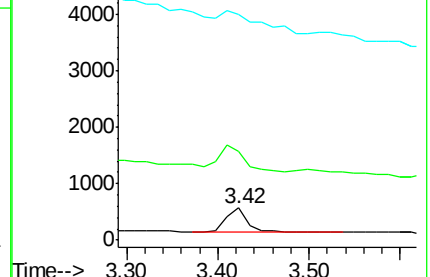
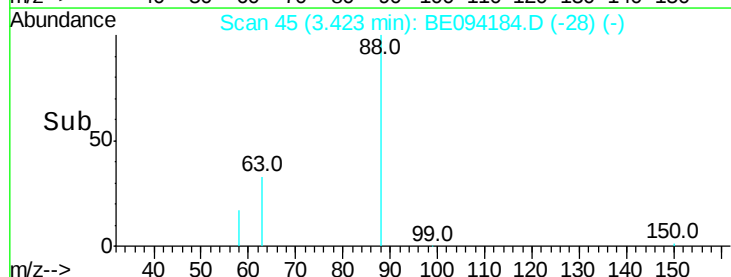
43 0.0 41.2 61.8#



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: 0.294 ng

RT: 3.74 min Scan# 70

Delta R.T. 0.01 min

Lab File: BE094184.D

Acq: 6 Oct 2017 18:12

Instrument :

BNA_E

ClientSampleId :

PB102941BS

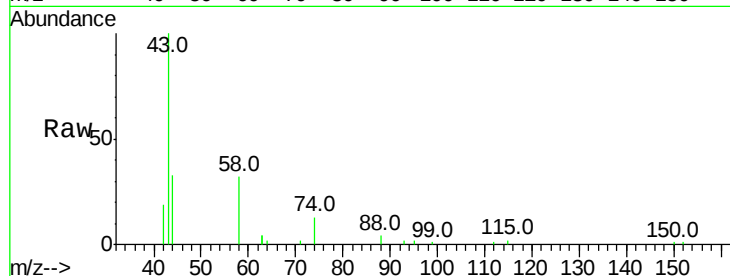
Tot Ion: 42 Resp: 824

Ion Ratio Lower Upper

42 100

74 119.3 100.3 150.5

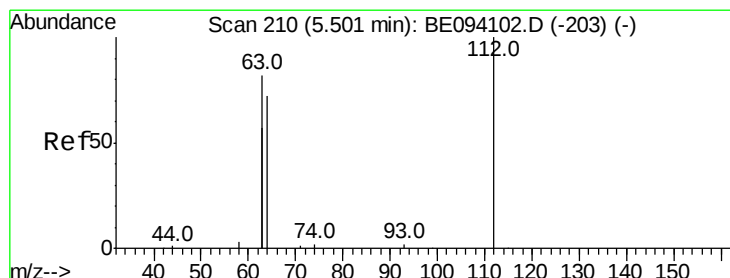
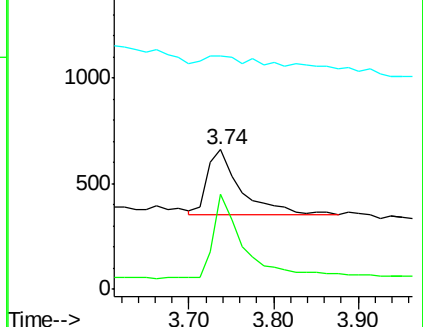
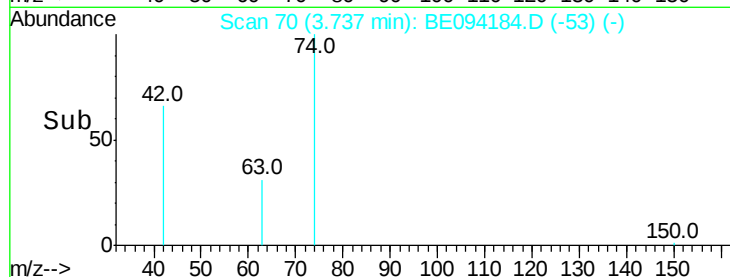
44 34.3 17.0 25.4#



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



#4

2-Fluorophenol

Concen: 0.272 ng

RT: 5.50 min Scan# 210

Delta R.T. -0.00 min

Lab File: BE094184.D

Acq: 6 Oct 2017 18:12

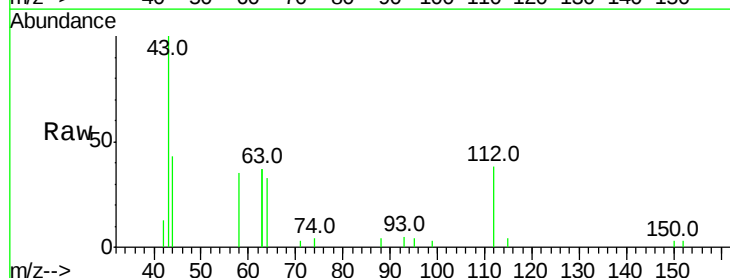
Tgt Ion: 112 Resp: 1304

Ion Ratio Lower Upper

112 100

64 76.6 60.1 90.1

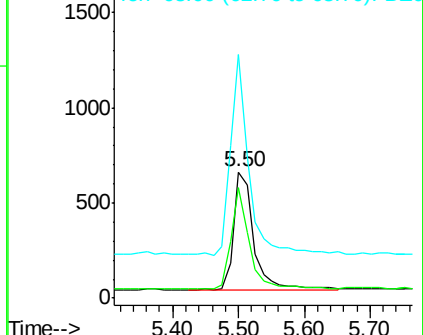
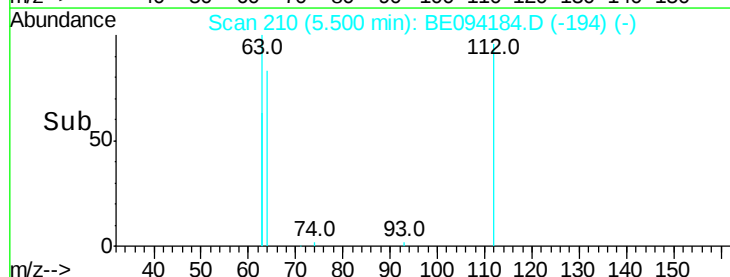
63 150.2 116.8 175.2

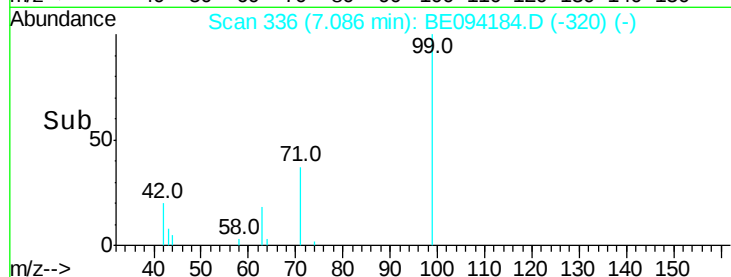
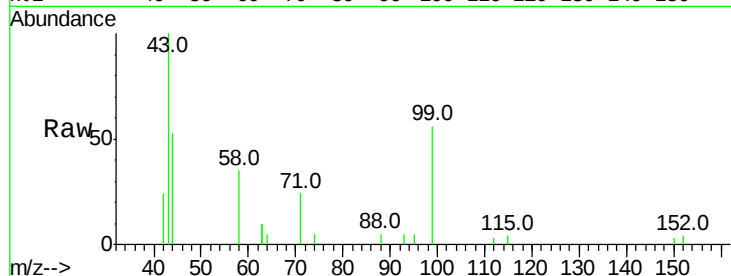
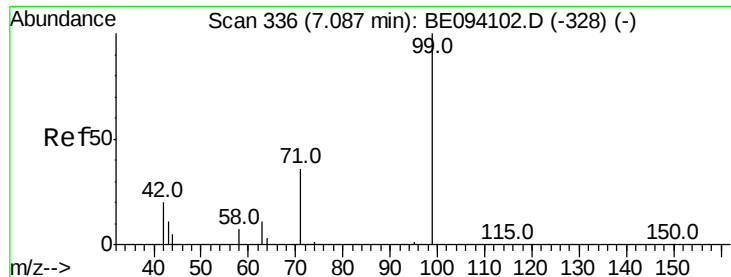


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.245 ng

RT: 7.09 min Scan# 336

Delta R.T. -0.00 min

Lab File: BE094184.D

Acq: 6 Oct 2017 18:12

Instrument :

BNA_E

ClientSampleId :

PB102941BS

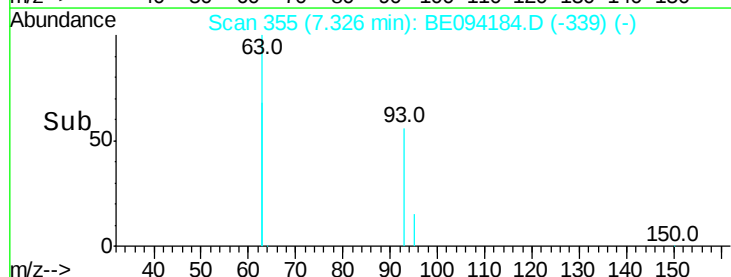
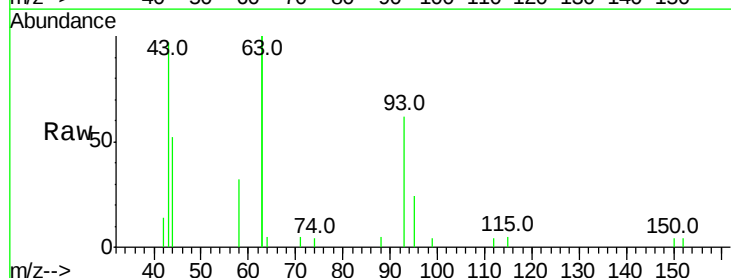
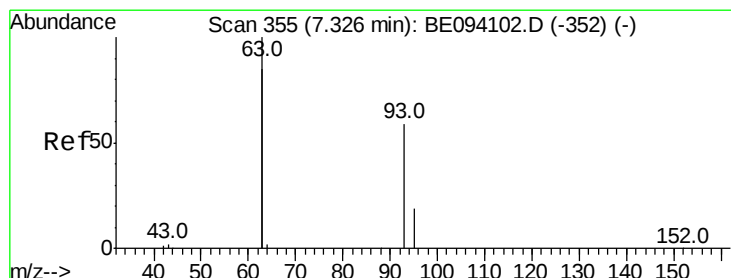
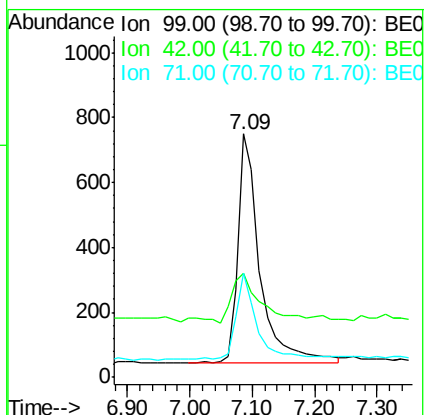
Tot Ion: 99 Resp: 1706

Ion Ratio Lower Upper

99 100

42 26.5 20.2 30.2

71 37.7 28.4 42.6



#6

bis(2-Chloroethyl)ether

Concen: 0.243 ng

RT: 7.33 min Scan# 355

Delta R.T. -0.00 min

Lab File: BE094184.D

Acq: 6 Oct 2017 18:12

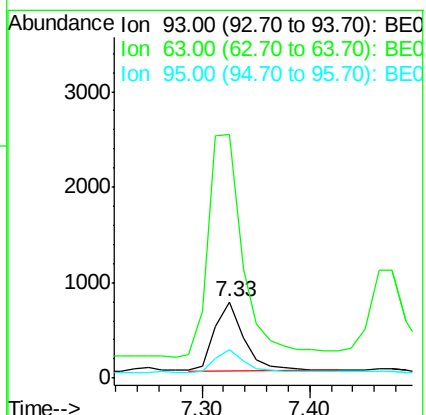
Tgt Ion: 93 Resp: 1372

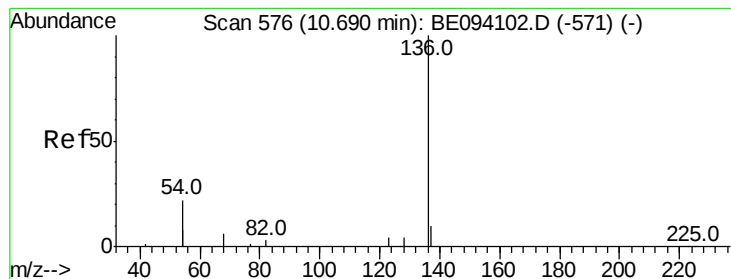
Ion Ratio Lower Upper

93 100

63 378.9 275.3 412.9

95 37.2 25.2 37.8





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.69 min Scan# 576

Delta R.T. -0.00 min

Lab File: BE094184.D

Acq: 6 Oct 2017 18:12

Instrument :

BNA_E

ClientSampleId :

PB102941BS

Tot Ion:136 Resp: 6398

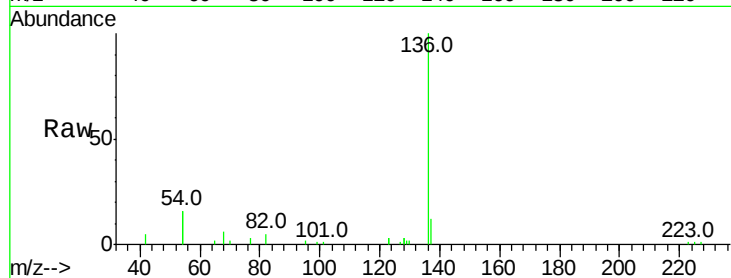
Ion Ratio Lower Upper

136 100

137 12.0 9.5 14.3

54 31.2 29.1 43.7

68 6.2 6.2 9.2

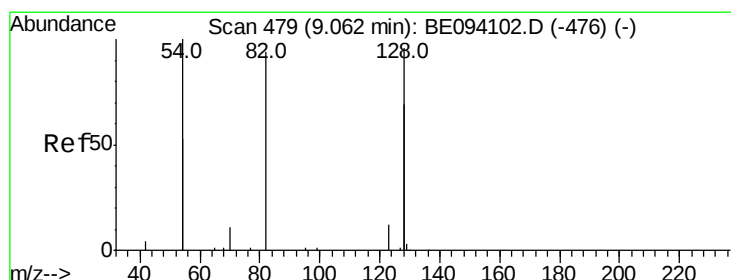
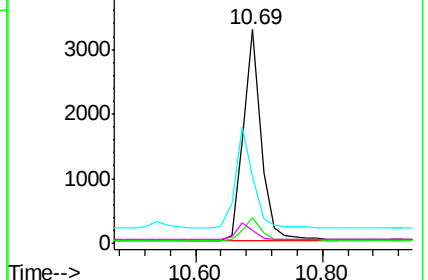
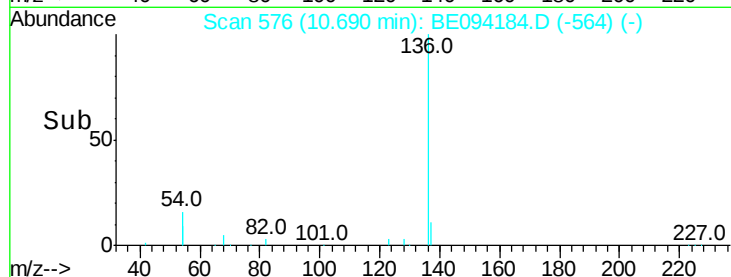


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.293 ng

RT: 9.06 min Scan# 479

Delta R.T. -0.00 min

Lab File: BE094184.D

Acq: 6 Oct 2017 18:12

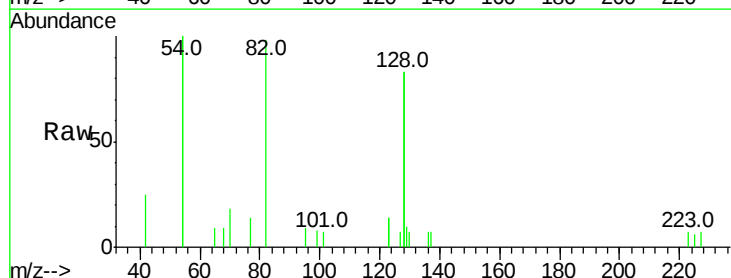
Tgt Ion: 82 Resp: 1561

Ion Ratio Lower Upper

82 100

128 168.8 150.0 225.0

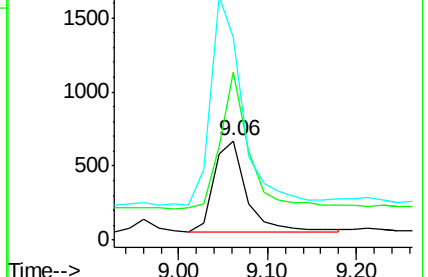
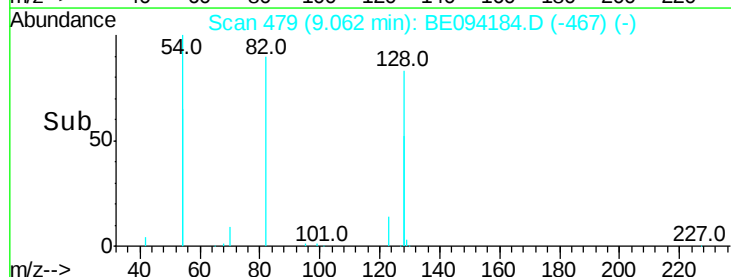
54 203.3 154.2 231.4

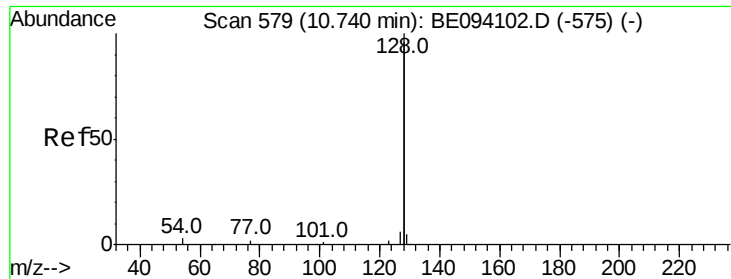


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.264 ng

RT: 10.74 min Scan# 579

Delta R.T. -0.00 min

Lab File: BE094184.D

Acq: 6 Oct 2017 18:12

Instrument :

BNA_E

ClientSampleId :

PB102941BS

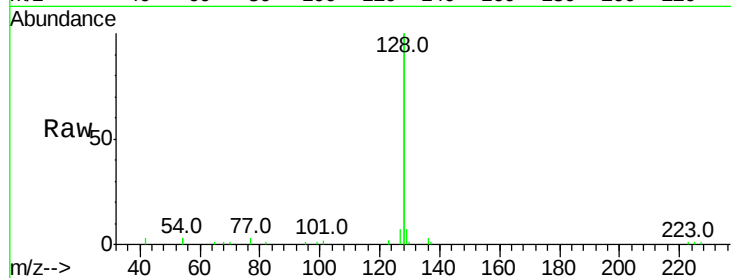
Tot Ion:128 Resp: 19024

Ion Ratio Lower Upper

128 100

129 3.3 2.6 3.8

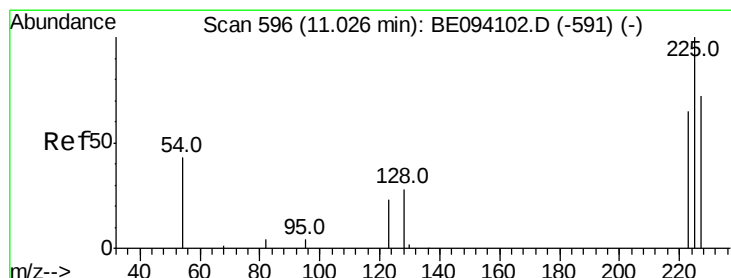
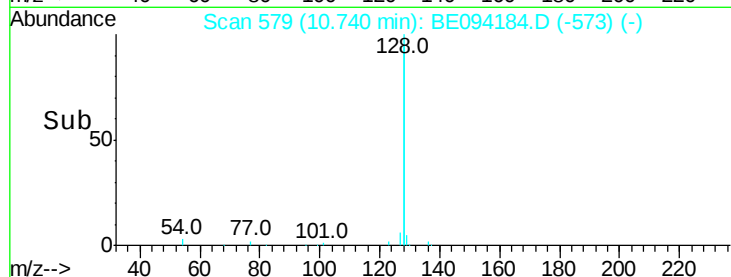
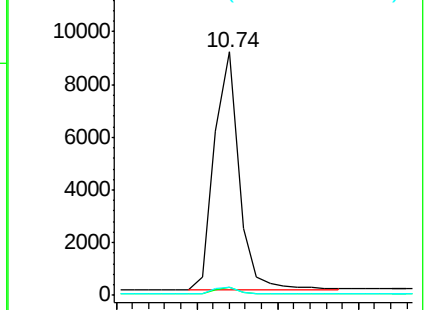
127 3.5 2.8 4.2



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: 0.264 ng

RT: 11.01 min Scan# 595

Delta R.T. -0.02 min

Lab File: BE094184.D

Acq: 6 Oct 2017 18:12

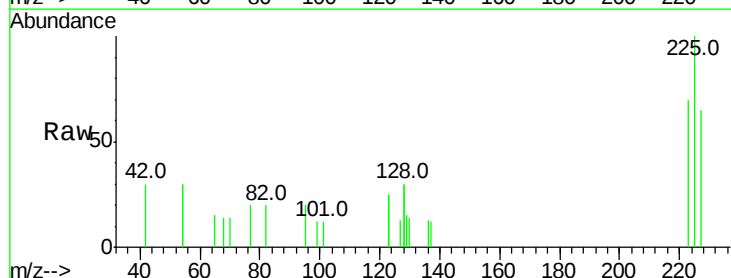
Tgt Ion:225 Resp: 723

Ion Ratio Lower Upper

225 100

223 63.6 53.0 79.6

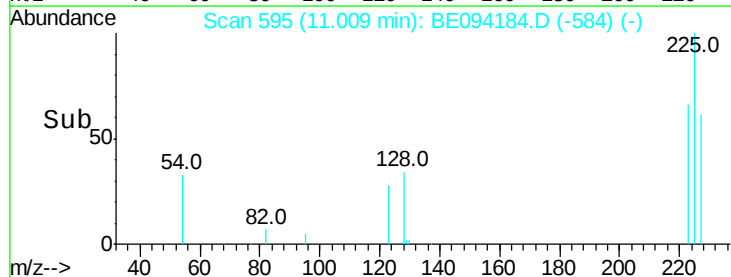
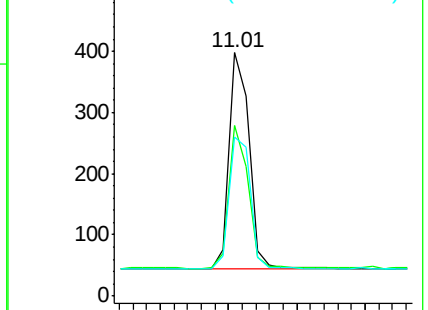
227 64.7 51.4 77.2



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: 0.294 ng

RT: 12.27 min Scan# 820

Delta R.T. -0.00 min

Lab File: BE094184.D

Acq: 6 Oct 2017 18:12

Instrument :

BNA_E

ClientSampleId :

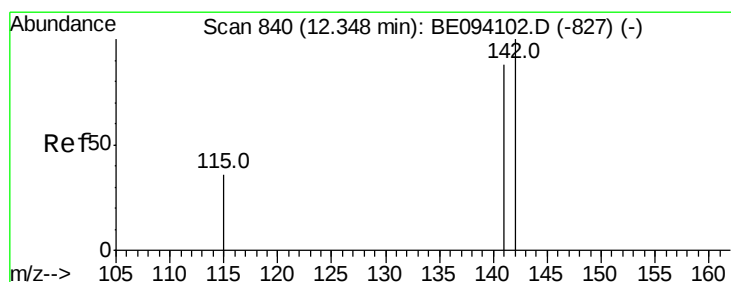
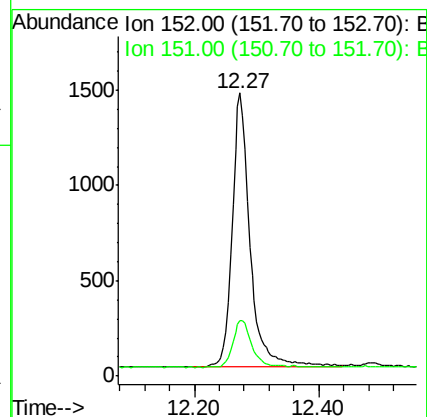
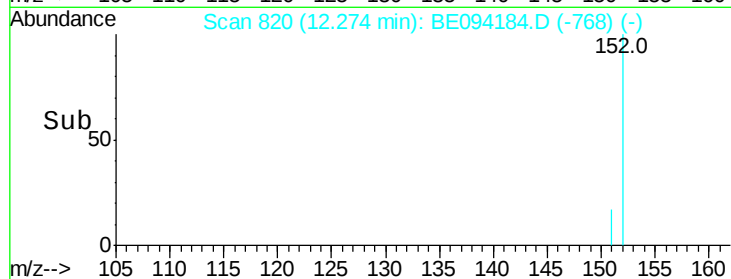
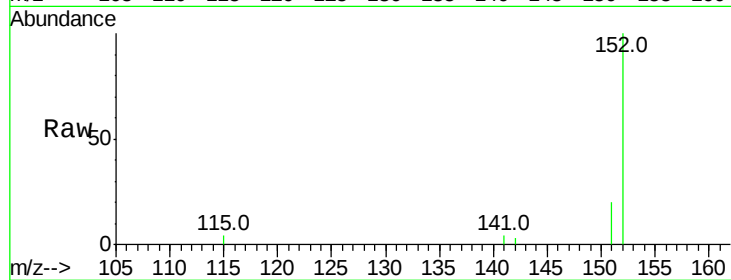
PB102941BS

Tot Ion:152 Resp: 2894

Ion Ratio Lower Upper

152 100

151 17.6 15.4 23.0



#12

2-Methylnaphthalene

Concen: 0.262 ng

RT: 12.35 min Scan# 839

Delta R.T. -0.00 min

Lab File: BE094184.D

Acq: 6 Oct 2017 18:12

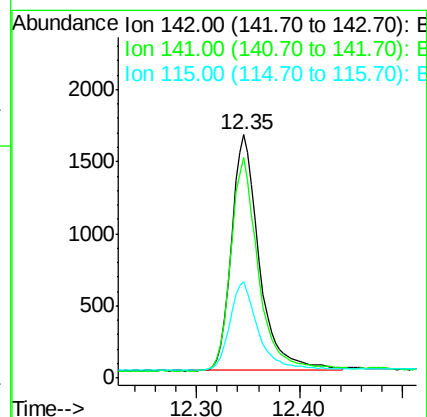
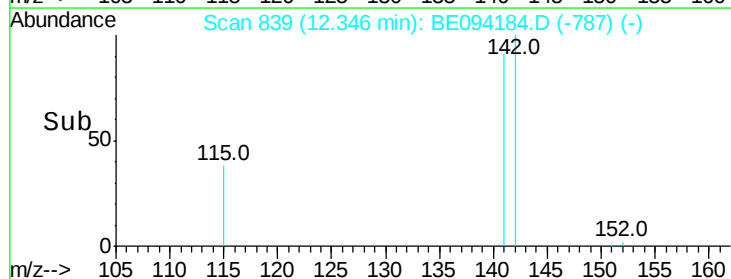
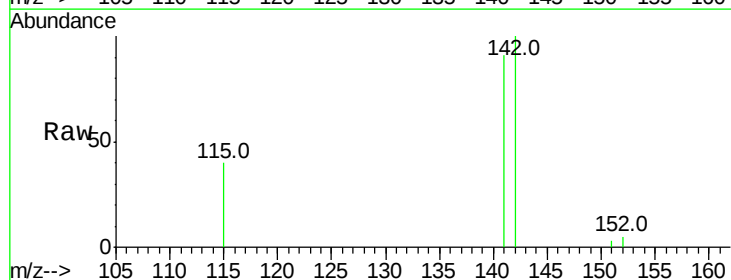
Tgt Ion:142 Resp: 3102

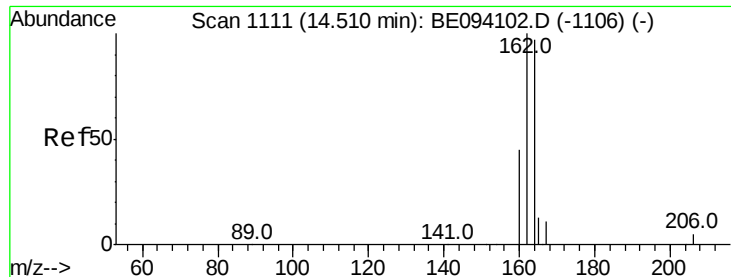
Ion Ratio Lower Upper

142 100

141 90.6 70.4 105.6

115 39.6 31.7 47.5

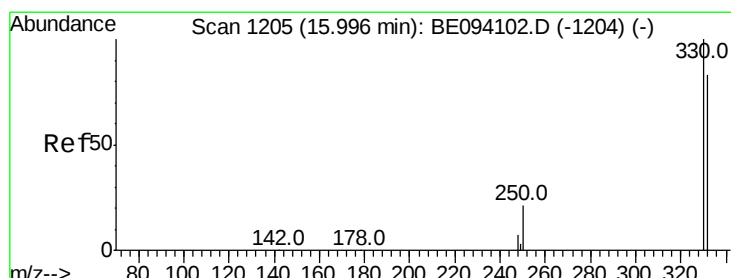
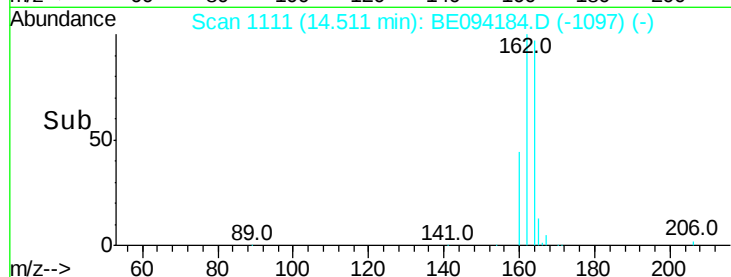
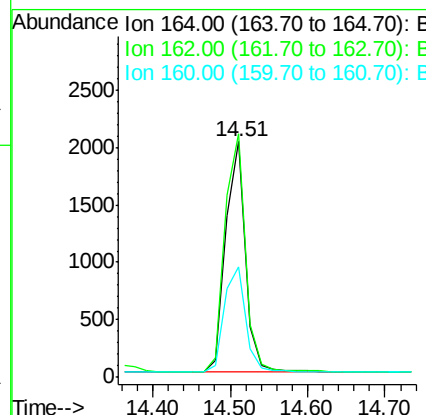
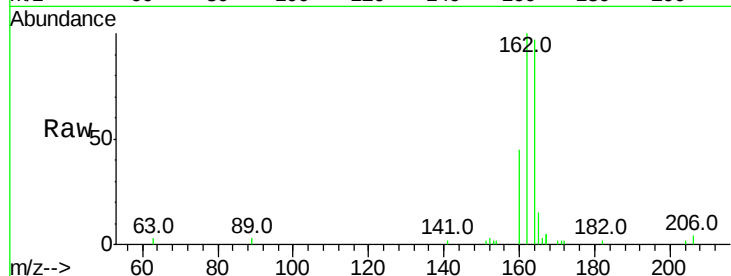




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.51 min Scan# 1111
Delta R.T. 0.00 min
Lab File: BE094184.D
Acq: 6 Oct 2017 18:12

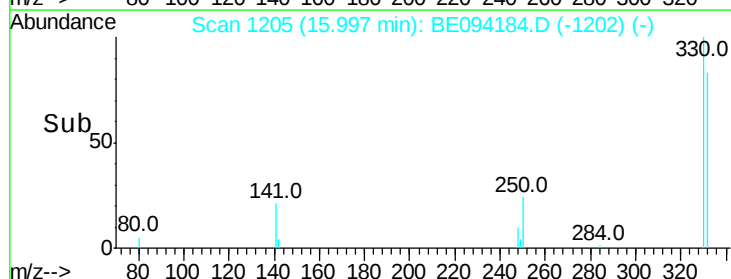
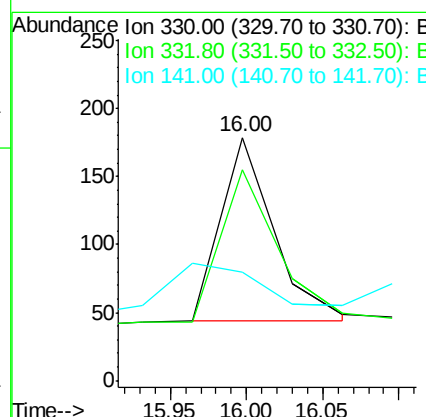
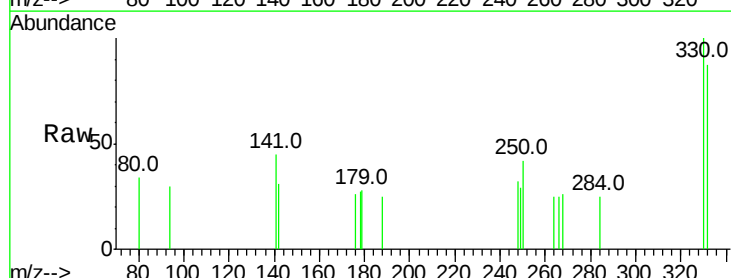
Instrument :
BNA_E
ClientSampled :
PB102941BS

Tot Ion:164 Resp: 3555
Ion Ratio Lower Upper
164 100
162 103.3 83.1 124.7
160 47.0 37.1 55.7



#14
2,4,6-Tribromophenol
Concen: 0.212 ng
RT: 16.00 min Scan# 1205
Delta R.T. 0.00 min
Lab File: BE094184.D
Acq: 6 Oct 2017 18:12

Tgt Ion:330 Resp: 327
Ion Ratio Lower Upper
330 100
332 90.2 152.7 229.1#
141 0.0 33.7 50.5#

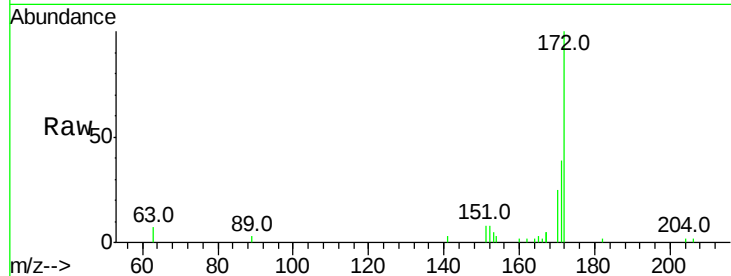




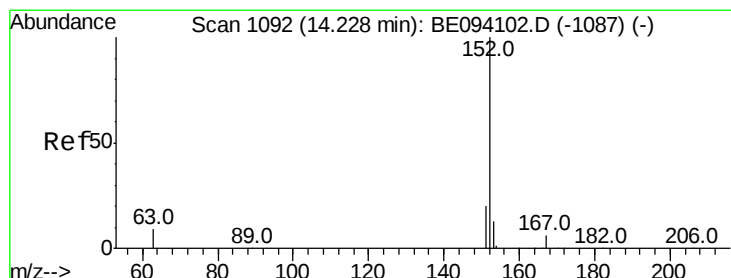
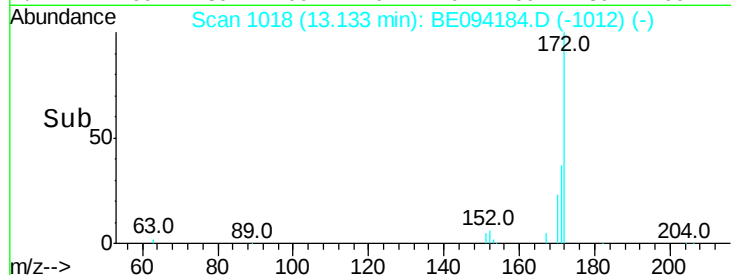
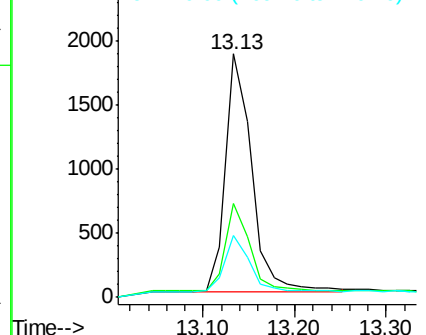
#15
2-Fluorobiphenyl
Concen: 0.303 ng
RT: 13.13 min Scan# 1018
Delta R.T. 0.00 min
Lab File: BE094184.D
Acq: 6 Oct 2017 18:12

Instrument :
BNA_E
ClientSampleId :
PB102941BS

Tot Ion:172 Resp: 3691
Ion Ratio Lower Upper
172 100
171 38.6 29.9 44.9
170 25.2 21.8 32.8

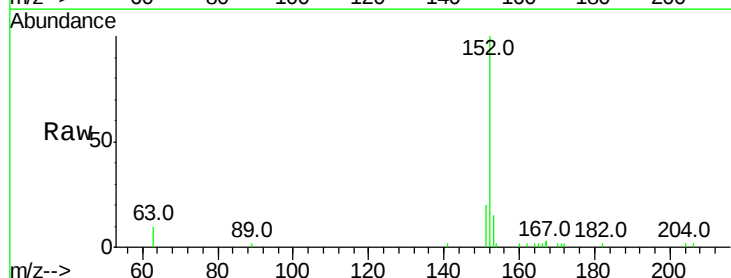


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

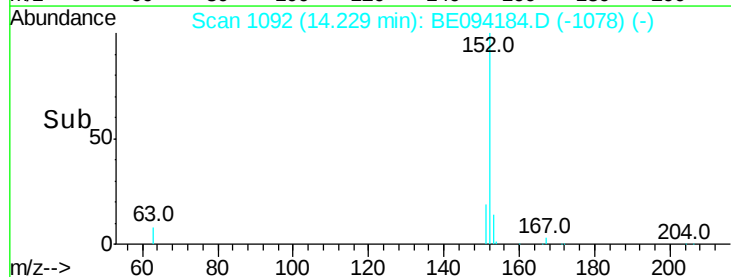
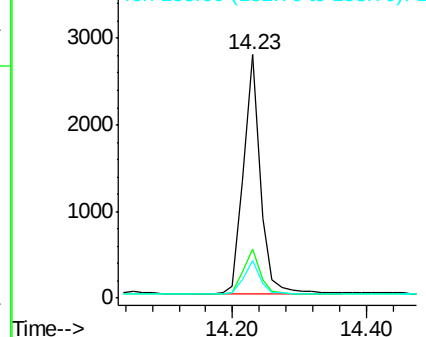


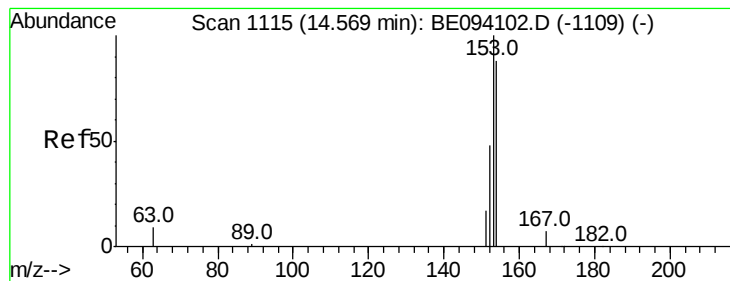
#16
Acenaphthylene
Concen: 0.266 ng
RT: 14.23 min Scan# 1092
Delta R.T. 0.00 min
Lab File: BE094184.D
Acq: 6 Oct 2017 18:12

Tgt Ion:152 Resp: 4782
Ion Ratio Lower Upper
152 100
151 19.4 15.7 23.5
153 14.0 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: 0.272 ng

RT: 14.57 min Scan# 1115

Delta R.T. 0.00 min

Lab File: BE094184.D

Acq: 6 Oct 2017 18:12

Instrument :

BNA_E

ClientSampleId :

PB102941BS

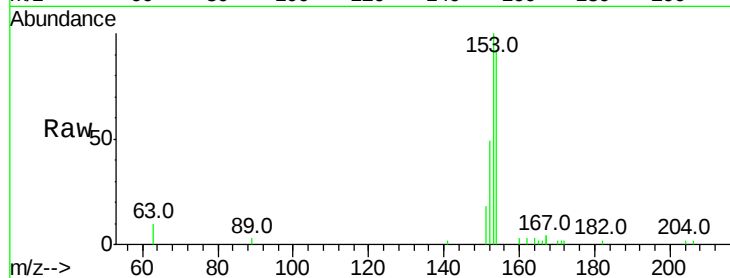
Tot Ion:154 Resp: 3233

Ion Ratio Lower Upper

154 100

153 110.9 89.2 133.8

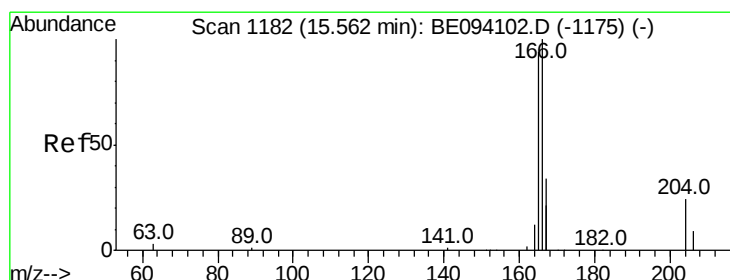
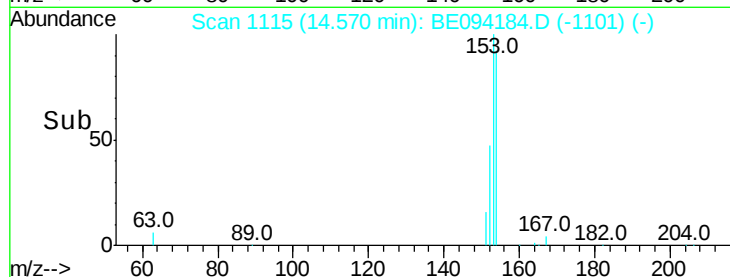
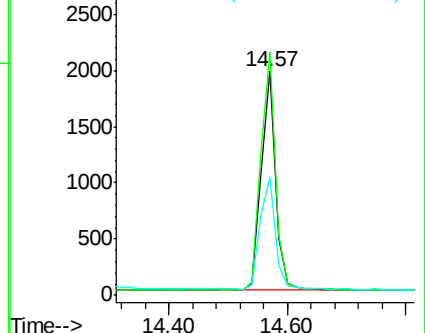
152 53.9 42.0 63.0



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: 0.272 ng

RT: 15.55 min Scan# 1181

Delta R.T. -0.01 min

Lab File: BE094184.D

Acq: 6 Oct 2017 18:12

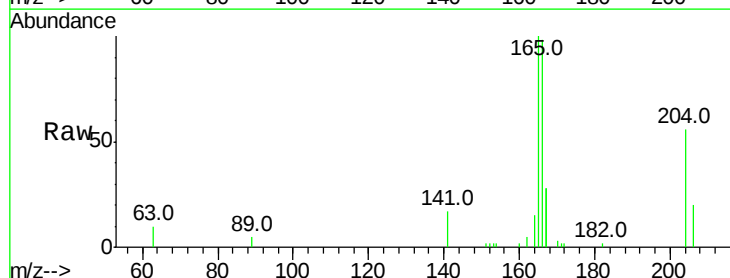
Tgt Ion:166 Resp: 4233

Ion Ratio Lower Upper

166 100

165 97.9 77.8 116.6

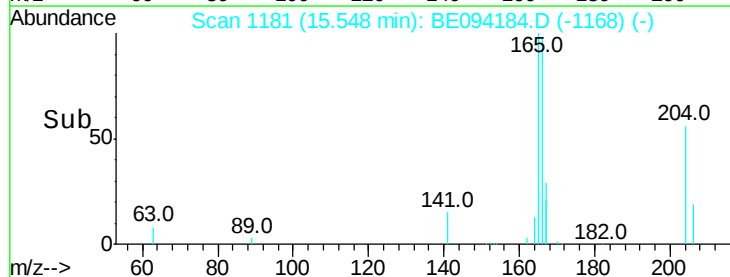
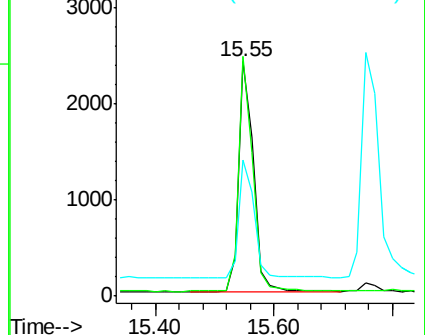
167 54.7 42.4 63.6

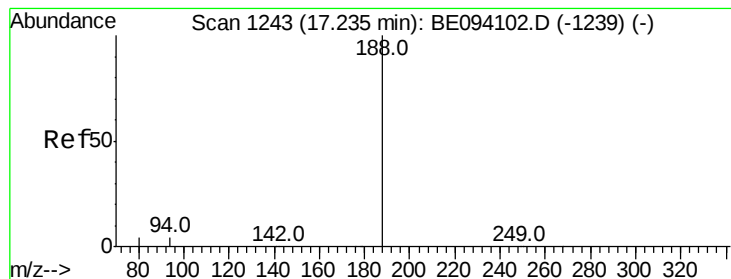


Abundance Ion 166.00 (165.70 to 166.70): E

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: 17.24 min Scan# 1243

Delta R.T. 0.00 min

Lab File: BE094184.D

Acq: 6 Oct 2017 18:12

Instrument :

BNA_E

ClientSampleId :

PB102941BS

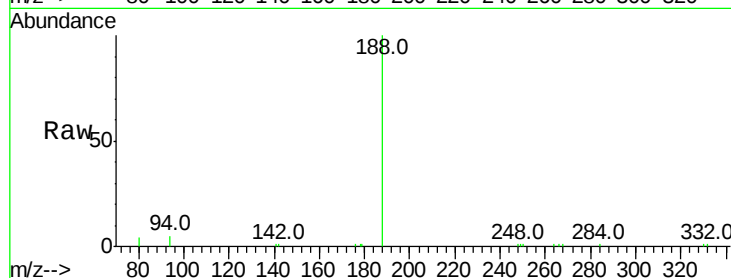
Tot Ion:188 Resp: 11077

Ion Ratio Lower Upper

188 100

94 4.6 3.9 5.9

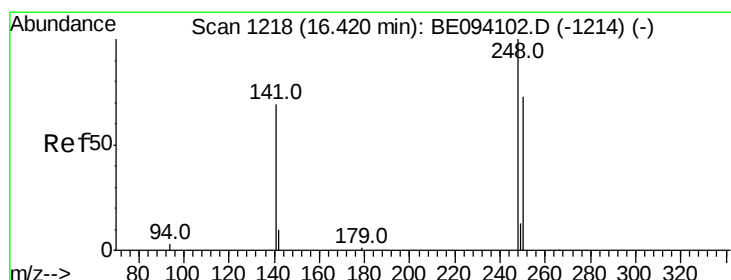
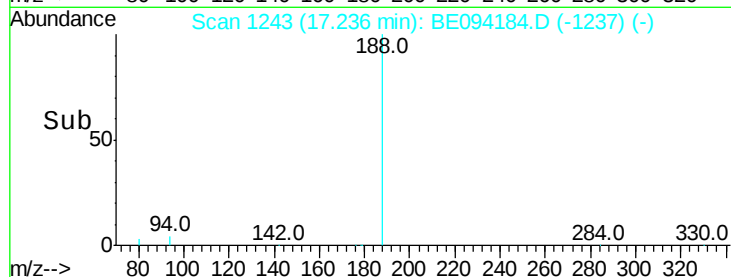
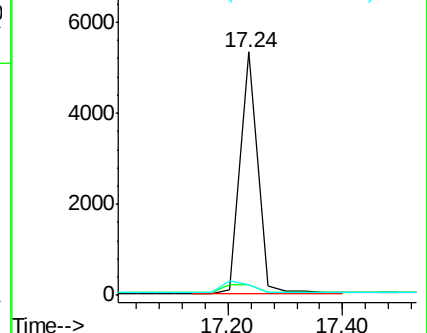
80 4.2 3.6 5.4



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: 0.254 ng

RT: 16.42 min Scan# 1218

Delta R.T. 0.00 min

Lab File: BE094184.D

Acq: 6 Oct 2017 18:12

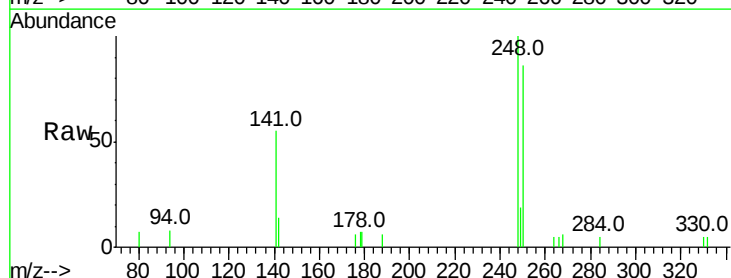
Tgt Ion:248 Resp: 1623

Ion Ratio Lower Upper

248 100

250 85.9 62.7 94.1

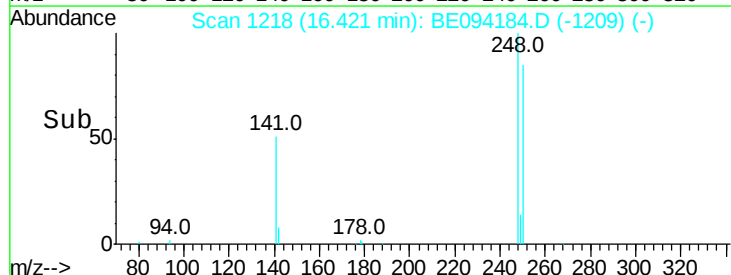
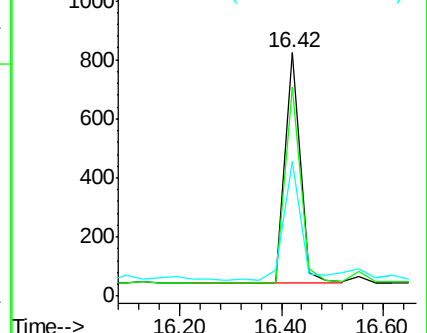
141 55.5 48.2 72.2

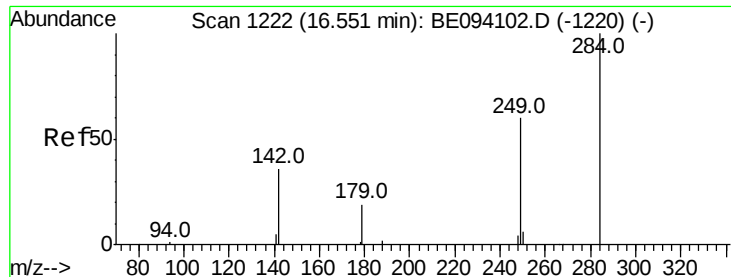


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.247 ng

RT: 16.55 min Scan# 1222

Delta R.T. 0.00 min

Lab File: BE094184.D

Acq: 6 Oct 2017 18:12

Instrument :

BNA_E

ClientSampleId :

PB102941BS

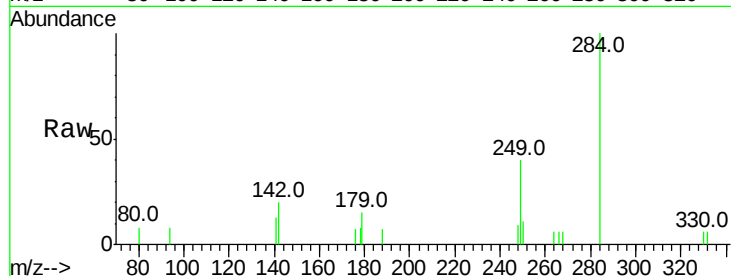
Tot Ion:284 Resp: 1414

Ion Ratio Lower Upper

284 100

142 23.0 22.1 33.1

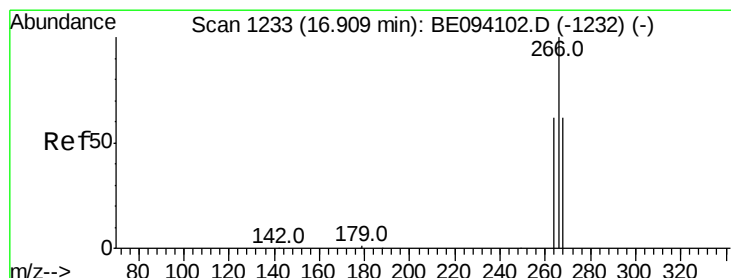
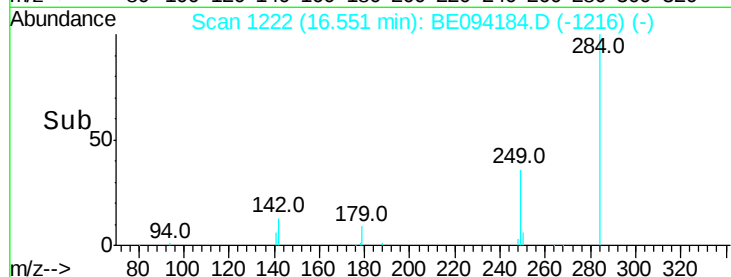
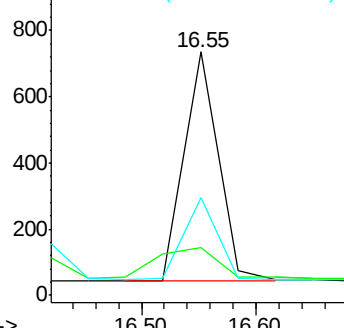
249 35.0 34.8 52.2



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: 0.462 ng

RT: 16.91 min Scan# 1233

Delta R.T. 0.00 min

Lab File: BE094184.D

Acq: 6 Oct 2017 18:12

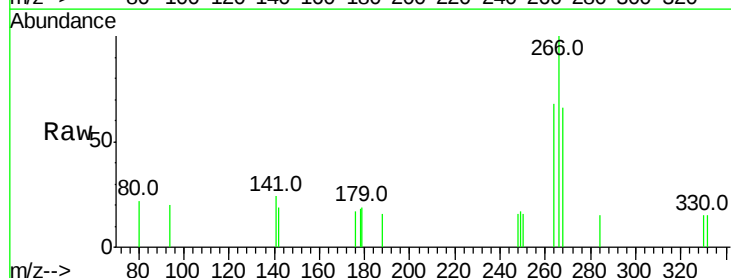
Tgt Ion:266 Resp: 718

Ion Ratio Lower Upper

266 100

264 68.1 72.5 108.7#

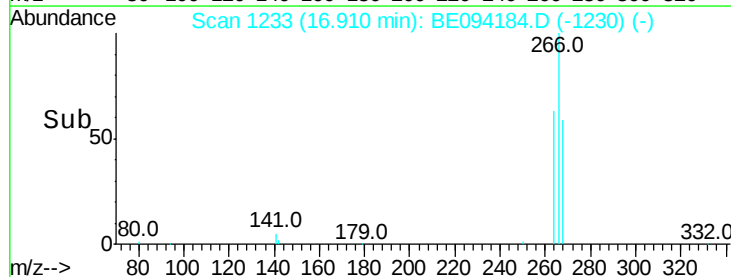
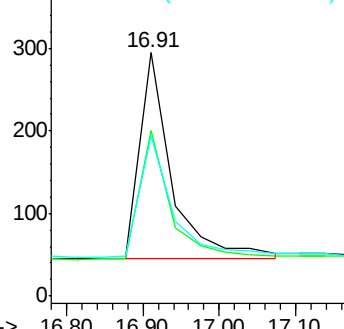
268 66.1 73.8 110.6#



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: 0.263 ng

RT: 17.27 min Scan# 1244

Delta R.T. 0.00 min

Lab File: BE094184.D

Acq: 6 Oct 2017 18:12

Instrument :

BNA_E

ClientSampleId :

PB102941BS

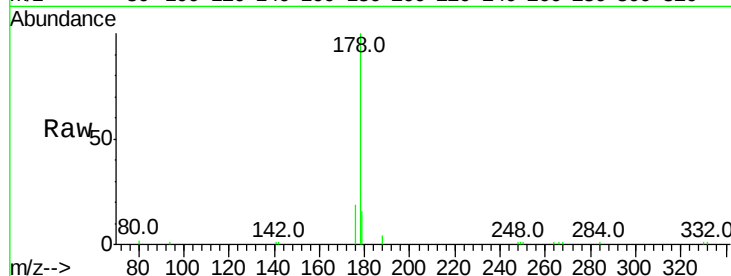
Tot Ion:178 Resp: 10088

Ion Ratio Lower Upper

178 100

176 18.9 15.1 22.7

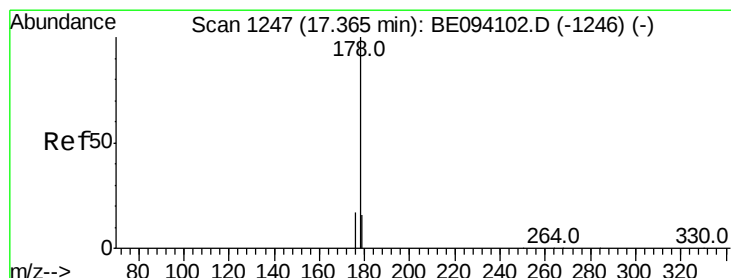
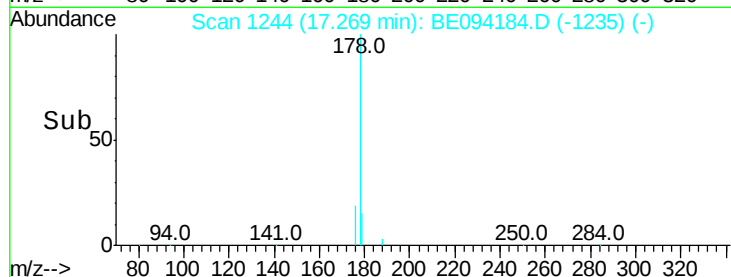
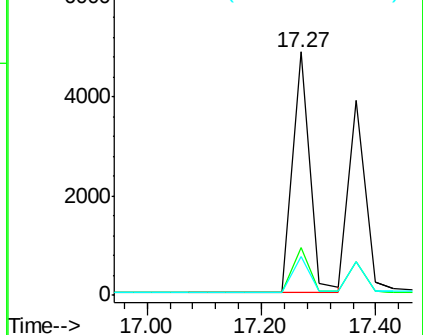
179 15.2 11.8 17.6



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: 0.278 ng

RT: 17.37 min Scan# 1247

Delta R.T. 0.00 min

Lab File: BE094184.D

Acq: 6 Oct 2017 18:12

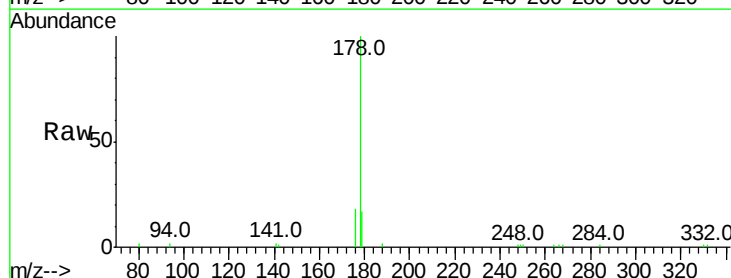
Tgt Ion:178 Resp: 8134

Ion Ratio Lower Upper

178 100

176 16.4 12.8 19.2

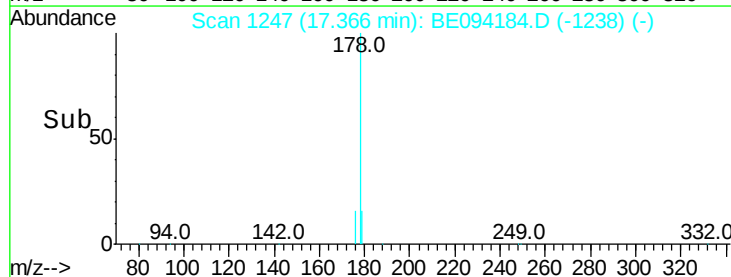
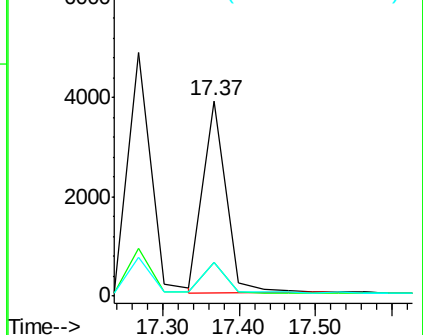
179 16.0 13.0 19.6

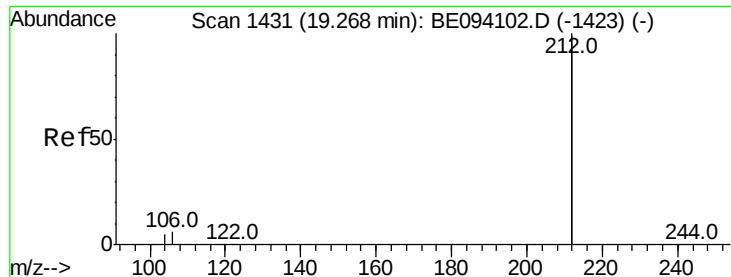


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.304 ng

RT: 19.27 min Scan# 1431

Delta R.T. -0.00 min

Lab File: BE094184.D

Acq: 6 Oct 2017 18:12

Instrument :

BNA_E

ClientSampleId :

PB102941BS

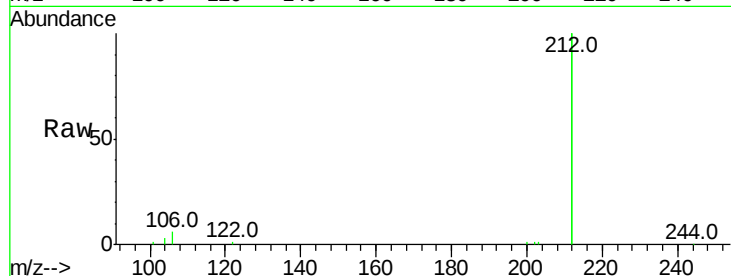
Tot Ion:212 Resp: 33661

Ion Ratio Lower Upper

212 100

106 3.5 2.8 4.2

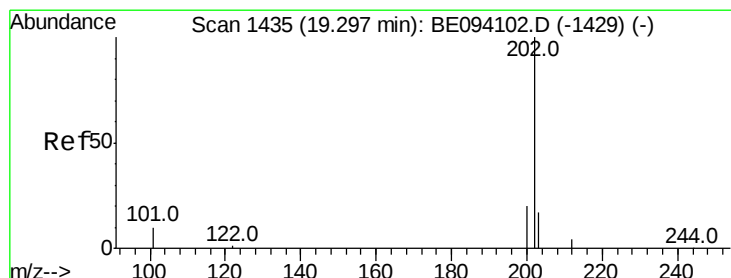
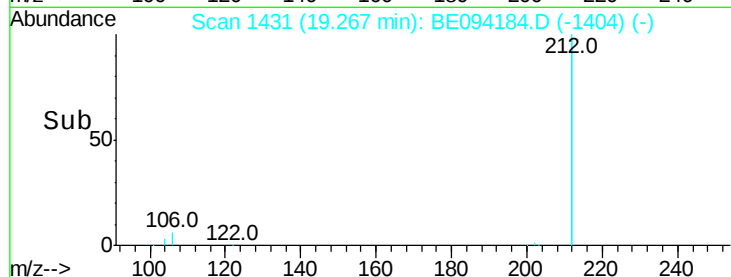
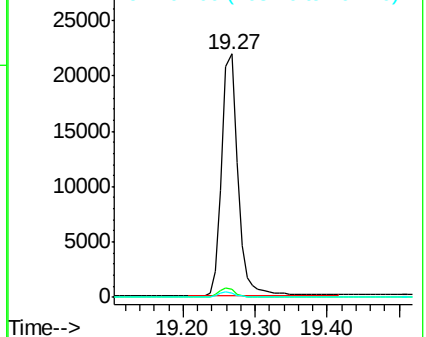
104 2.0 1.6 2.4



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: 0.267 ng

RT: 19.30 min Scan# 1435

Delta R.T. -0.00 min

Lab File: BE094184.D

Acq: 6 Oct 2017 18:12

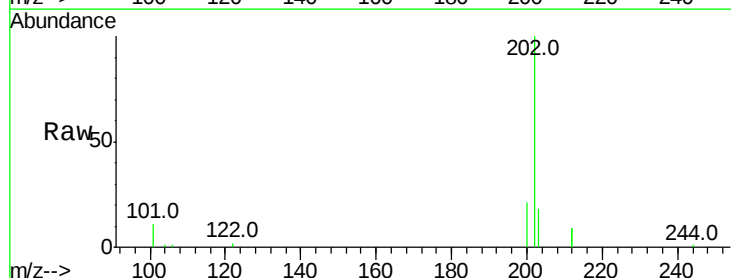
Tgt Ion:202 Resp: 8988

Ion Ratio Lower Upper

202 100

101 12.5 9.8 14.8

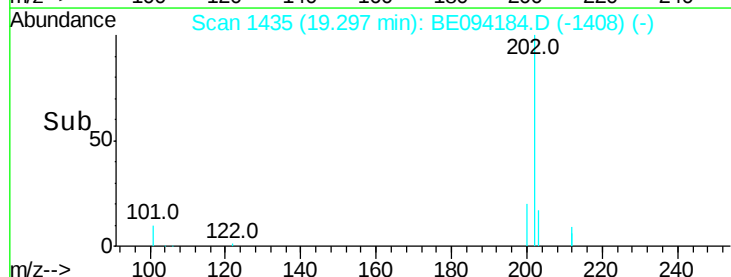
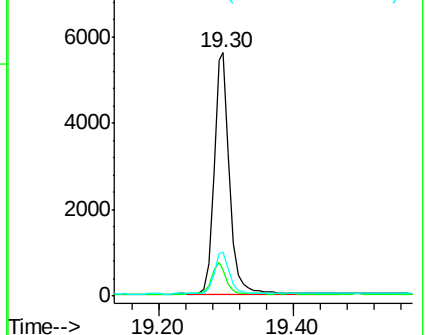
203 17.4 13.7 20.5



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

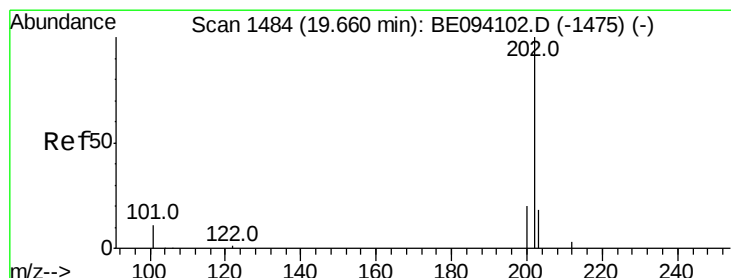
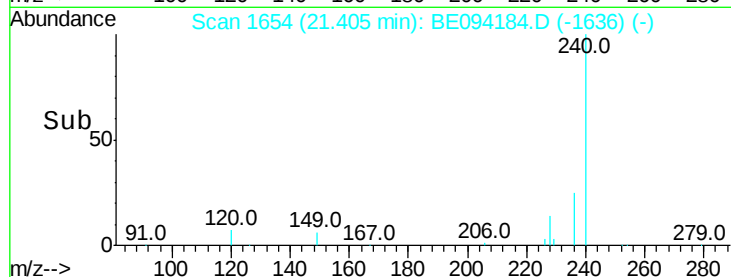
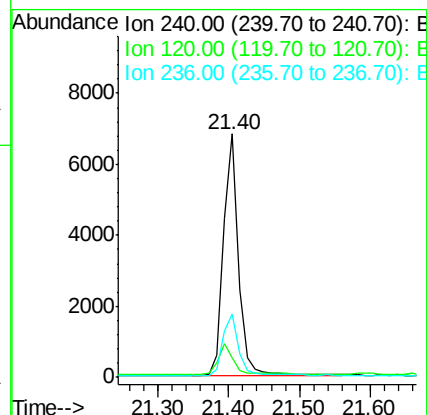
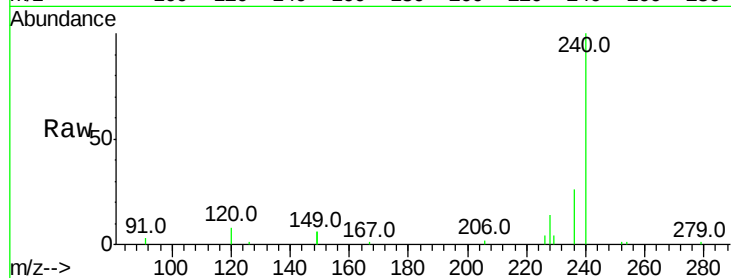




#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.40 min Scan# 1654
 Delta R.T. -0.00 min
 Lab File: BE094184.D
 Acq: 6 Oct 2017 18:12

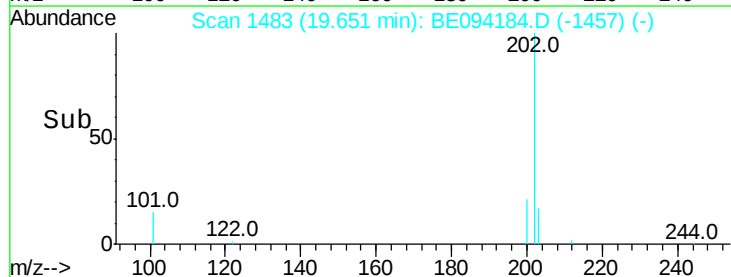
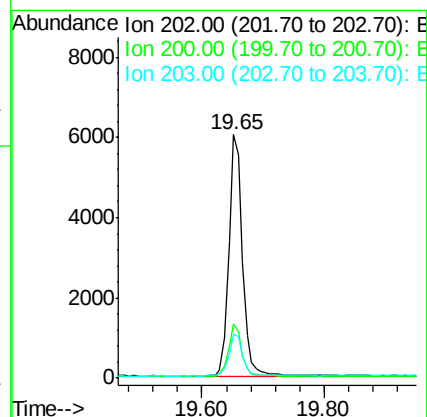
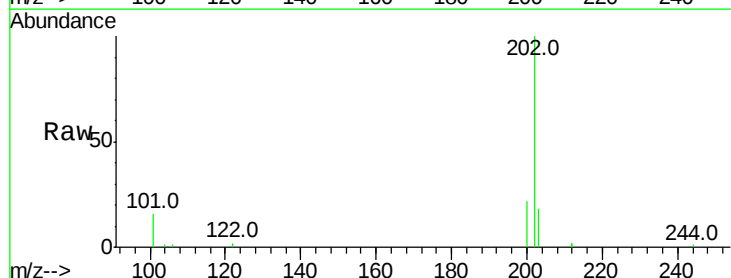
Instrument :
 BNA_E
 ClientSampleId :
 PB102941BS

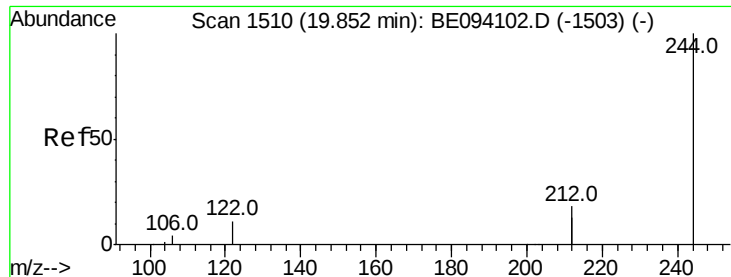
Tot Ion:240 Resp: 10294
 Ion Ratio Lower Upper
 240 100
 120 8.0 5.5 8.3
 236 26.1 20.7 31.1



#28
 Pyrene
 Concen: 0.263 ng
 RT: 19.65 min Scan# 1483
 Delta R.T. -0.01 min
 Lab File: BE094184.D
 Acq: 6 Oct 2017 18:12

Tgt Ion:202 Resp: 9296
 Ion Ratio Lower Upper
 202 100
 200 21.0 16.6 25.0
 203 17.6 13.8 20.8





#29

Terphenyl-d14

Concen: 0.291 ng

RT: 19.85 min Scan# 1510

Delta R.T. -0.00 min

Lab File: BE094184.D

Acq: 6 Oct 2017 18:12

Instrument :

BNA_E

ClientSampleId :

PB102941BS

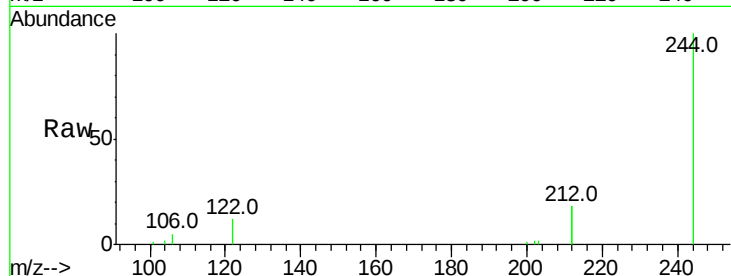
Tot Ion:244 Resp: 5662

Ion Ratio Lower Upper

244 100

212 35.9 25.4 38.0

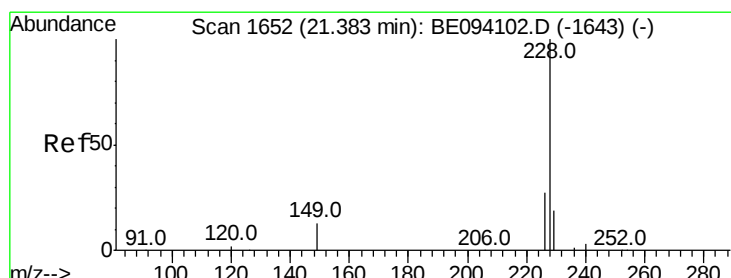
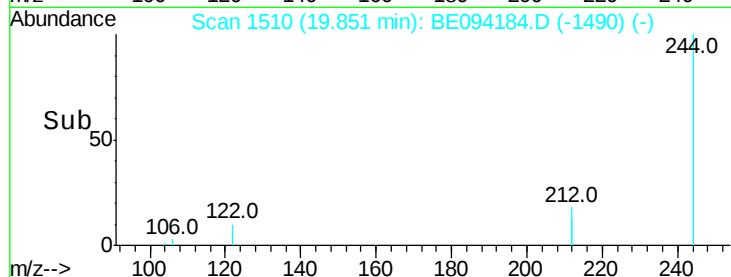
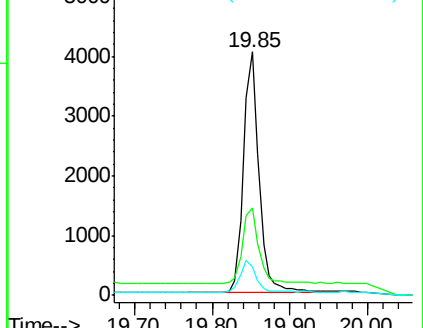
122 11.5 8.1 12.1



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#30

Benzo(a)anthracene

Concen: 0.263 ng

RT: 21.38 min Scan# 1652

Delta R.T. -0.00 min

Lab File: BE094184.D

Acq: 6 Oct 2017 18:12

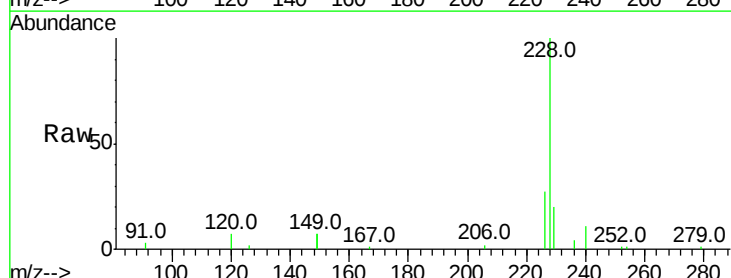
Tgt Ion:228 Resp: 8886

Ion Ratio Lower Upper

228 100

226 27.2 21.4 32.0

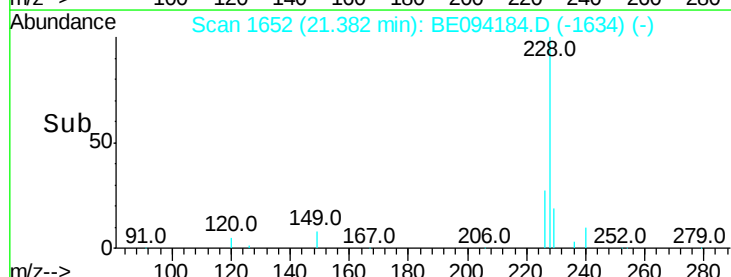
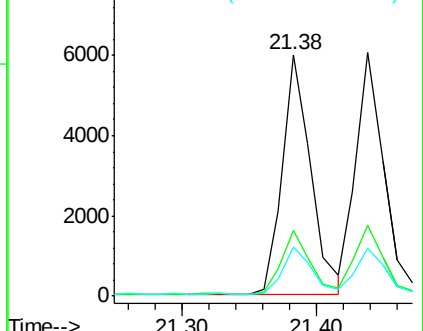
229 20.2 16.4 24.6

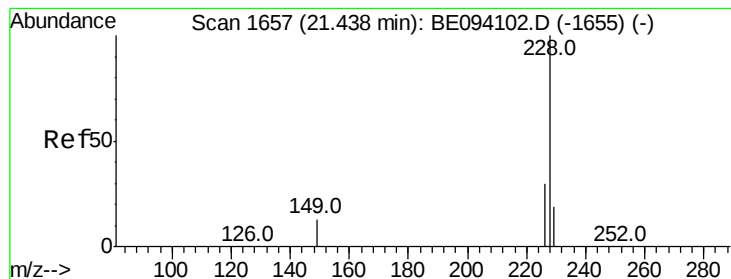


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.267 ng

RT: 21.44 min Scan# 1657

Delta R.T. -0.00 min

Lab File: BE094184.D

Acq: 6 Oct 2017 18:12

Instrument :

BNA_E

ClientSampleId :

PB102941BS

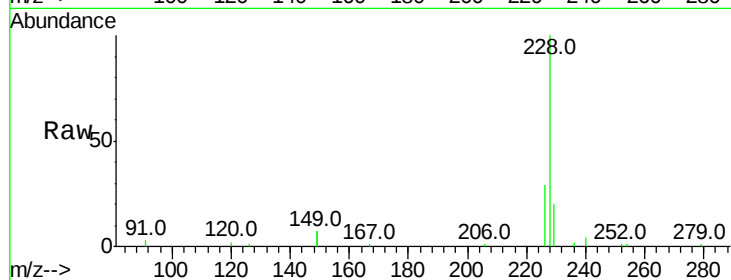
Tot Ion:228 Resp: 8894

Ion Ratio Lower Upper

228 100

226 29.2 23.6 35.4

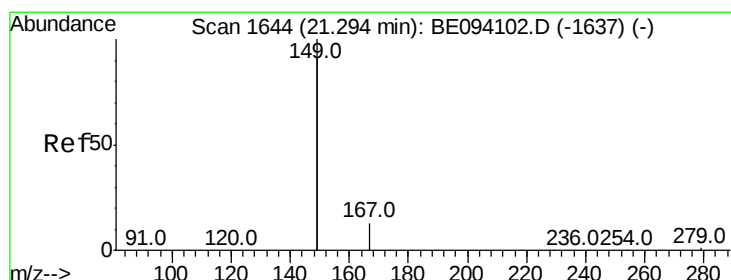
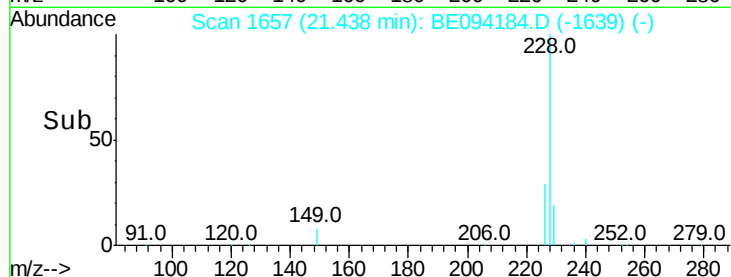
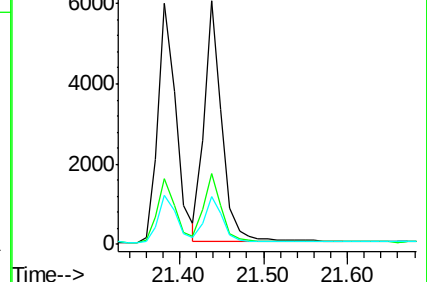
229 19.8 16.4 24.6



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: 0.229 ng

RT: 21.29 min Scan# 1644

Delta R.T. 0.00 min

Lab File: BE094184.D

Acq: 6 Oct 2017 18:12

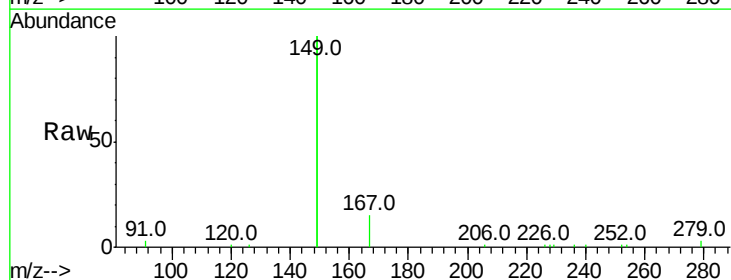
Tgt Ion:149 Resp: 17869

Ion Ratio Lower Upper

149 100

167 6.8 5.4 8.0

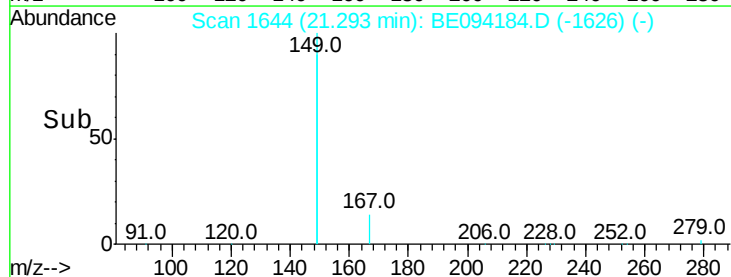
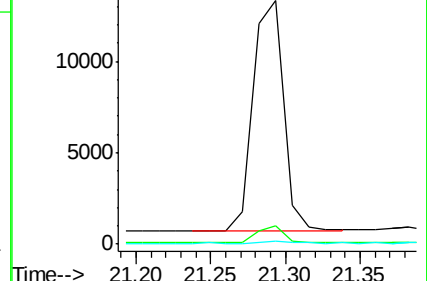
279 0.9 0.7 1.1

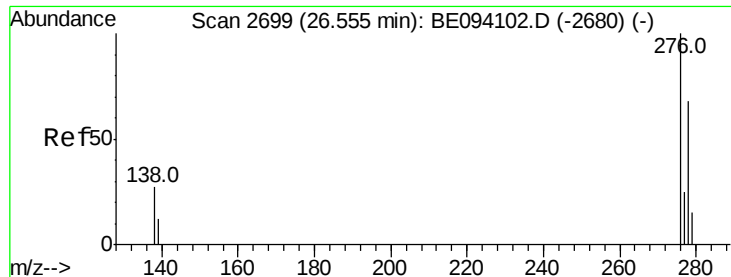


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.275 ng

RT: 26.55 min Scan# 2697

Delta R.T. -0.01 min

Lab File: BE094184.D

Acq: 6 Oct 2017 18:12

Instrument :

BNA_E

ClientSampleId :

PB102941BS

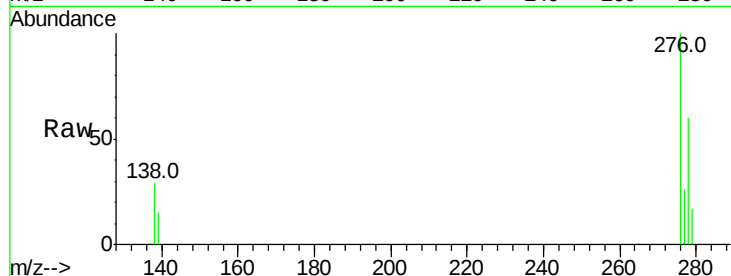
Tot Ion:276 Resp: 9102

Ion Ratio Lower Upper

276 100

138 27.2 22.5 33.7

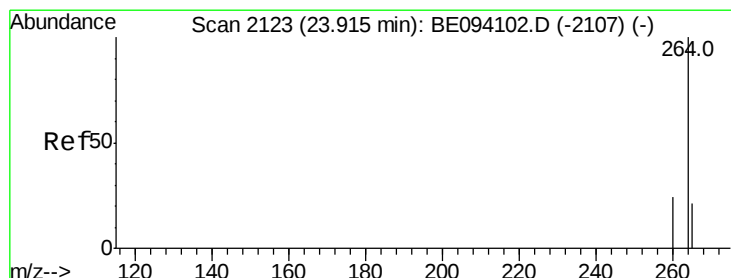
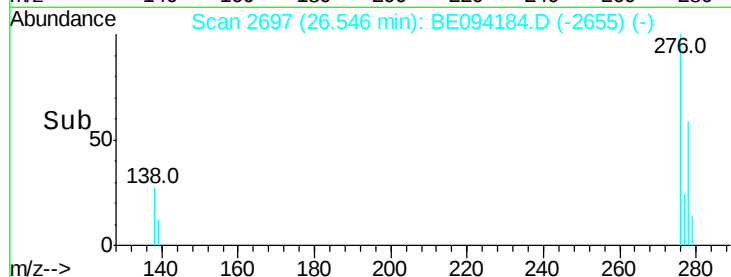
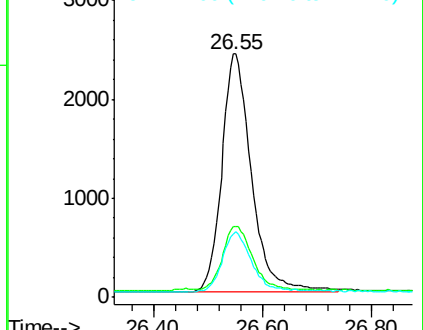
277 25.0 19.9 29.9



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: 23.91 min Scan# 2121

Delta R.T. -0.01 min

Lab File: BE094184.D

Acq: 6 Oct 2017 18:12

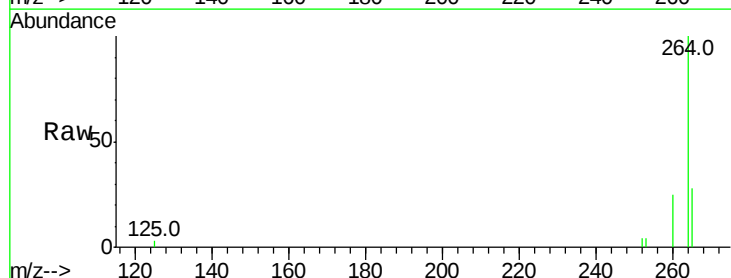
Tgt Ion:264 Resp: 9301

Ion Ratio Lower Upper

264 100

260 25.1 20.5 30.7

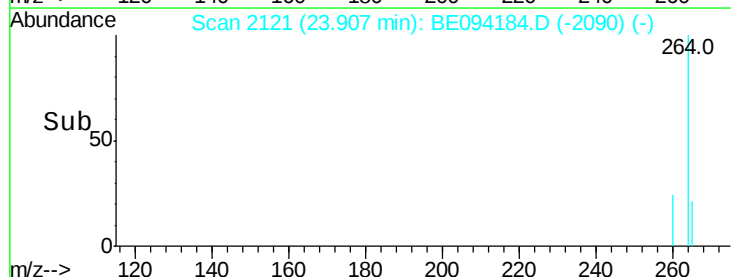
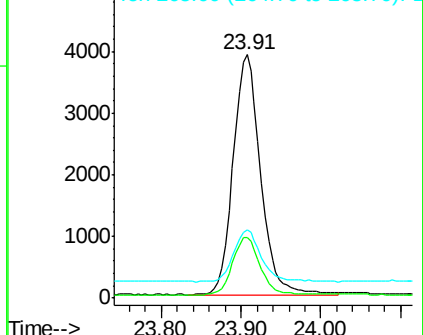
265 27.9 22.8 34.2



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: 0.275 ng

RT: 23.13 min Scan# 1951

Delta R.T. -0.01 min

Lab File: BE094184.D

Acq: 6 Oct 2017 18:12

Instrument :

BNA_E

ClientSampleId :

PB102941BS

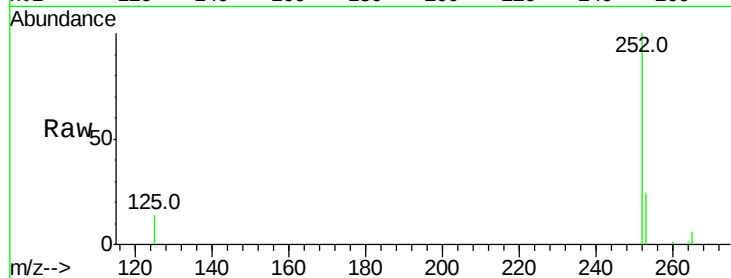
Tot Ion:252 Resp: 8604

Ion Ratio Lower Upper

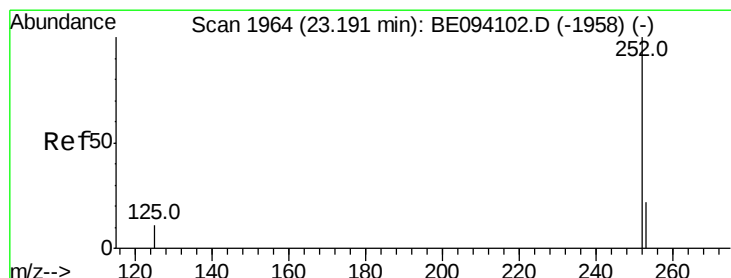
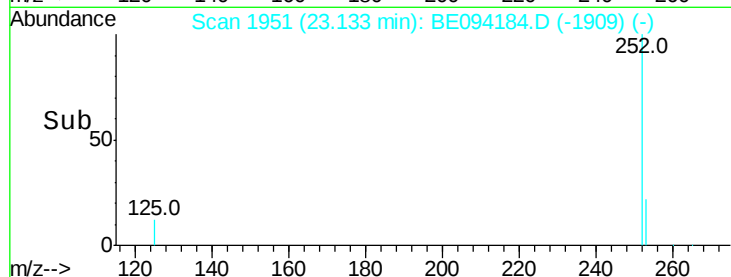
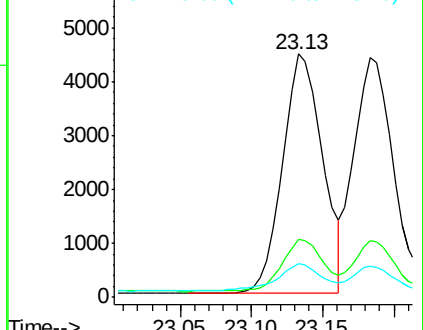
252 100

253 24.0 18.2 27.2

125 14.1 10.1 15.1



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: 0.277 ng

RT: 23.18 min Scan# 1962

Delta R.T. -0.01 min

Lab File: BE094184.D

Acq: 6 Oct 2017 18:12

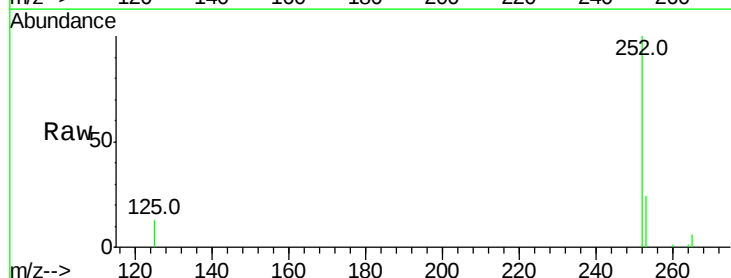
Tgt Ion:252 Resp: 8816

Ion Ratio Lower Upper

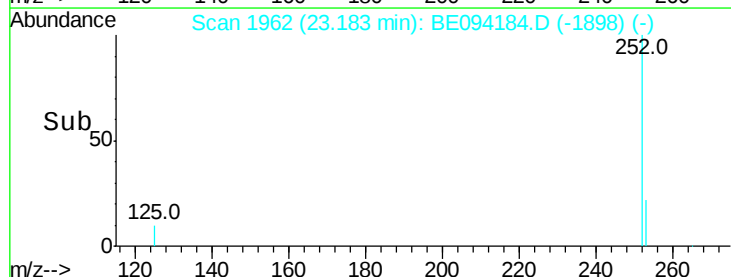
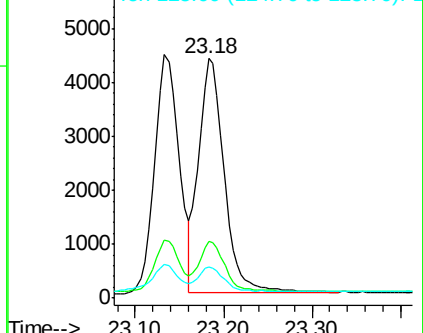
252 100

253 23.8 18.6 27.8

125 13.0 10.7 16.1



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: 0.280 ng

RT: 23.79 min Scan# 2096

Delta R.T. -0.00 min

Lab File: BE094184.D

Acq: 6 Oct 2017 18:12

Instrument :

BNA_E

ClientSampleId :

PB102941BS

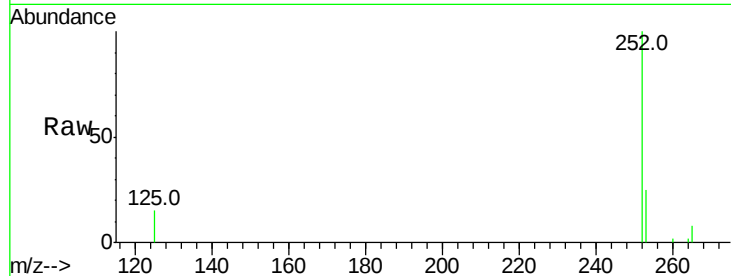
Tot Ion:252 Resp: 8274

Ion Ratio Lower Upper

252 100

253 24.6 19.0 28.6

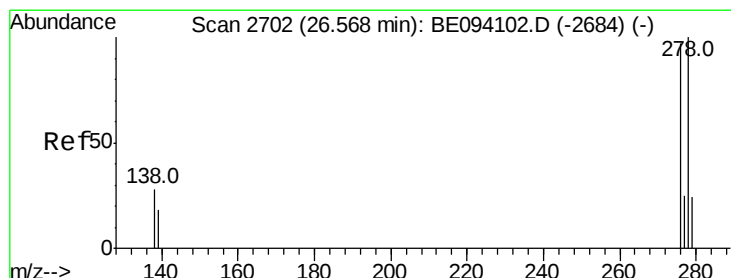
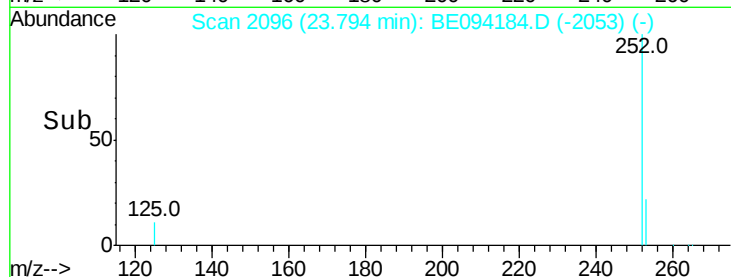
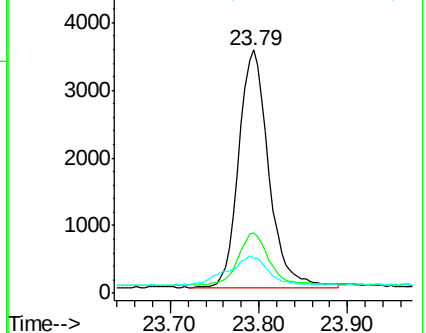
125 14.6 11.8 17.8



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#38

Dibenzo(a,h)anthracene

Concen: 0.273 ng

RT: 26.56 min Scan# 2701

Delta R.T. -0.00 min

Lab File: BE094184.D

Acq: 6 Oct 2017 18:12

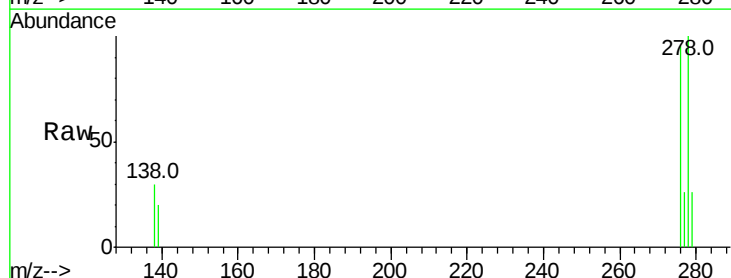
Tgt Ion:278 Resp: 7478

Ion Ratio Lower Upper

278 100

139 19.7 16.3 24.5

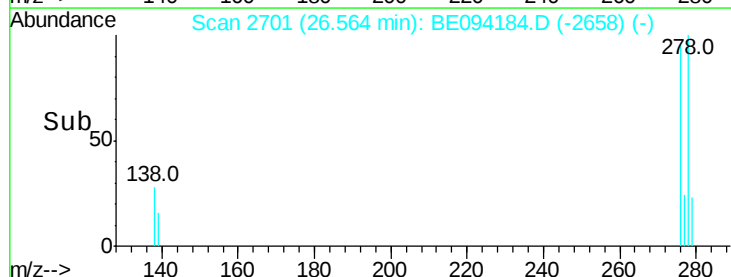
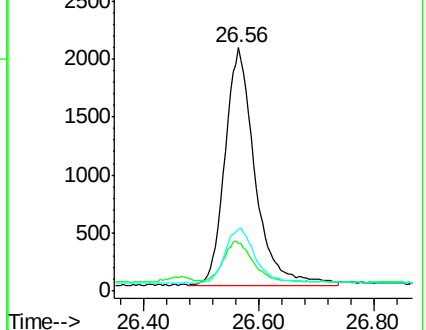
279 25.5 19.9 29.9



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: 0.274 ng

RT: 27.37 min Scan# 2877

Delta R.T. -0.01 min

Lab File: BE094184.D

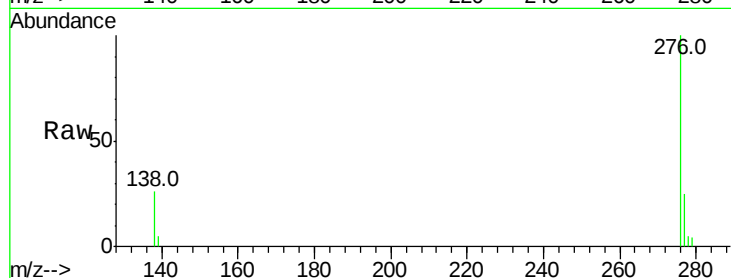
Acq: 6 Oct 2017 18:12

Instrument :

BNA_E

ClientSampleId :

PB102941BS



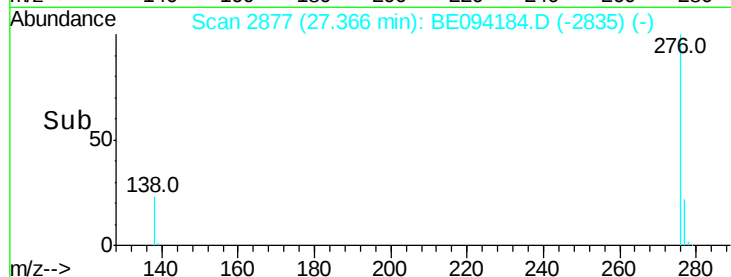
Tot Ion:276 Resp: 7672

Ion Ratio Lower Upper

276 100

277 24.7 20.8 31.2

138 25.9 21.5 32.3



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

