

Data Path : Z:\HPCHEM1\BNA E\DATA\BE092517\
 Data File : BE094108.D
 Acq On : 25 Sep 2017 18:39
 Operator : SJ/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Sep 26 01:35:12 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE092517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 25 17:37:08 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	1265	0.40	ng	0.00
7) Naphthalene-d8	10.69	136	5673	0.40	ng	0.00
13) Acenaphthene-d10	14.51	164	3349	0.40	ng	0.00
19) Phenanthrene-d10	17.24	188	12769	0.40	ng	0.00
27) Chrysene-d12	21.40	240	13536	0.40	ng	0.00
34) Perylene-d12	23.91	264	12847	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.50	112	1821	0.38	ng	0.00
5) Phenol-d6	7.09	99	2561	0.38	ng	0.00
8) Nitrobenzene-d5	9.06	82	2008	0.37	ng	0.00
11) 2-Methylnaphthalene-d10	12.28	152	3441	0.39	ng	0.00
14) 2,4,6-Tribromophenol	16.00	330	575	0.29	ng	0.00
15) 2-Fluorobiphenyl	13.15	172	4529	0.41	ng	0.01
25) Fluoranthene-d10	19.27	212	49833	0.40	ng	0.00
29) Terphenyl-d14	19.85	244	9077	0.37	ng	0.00

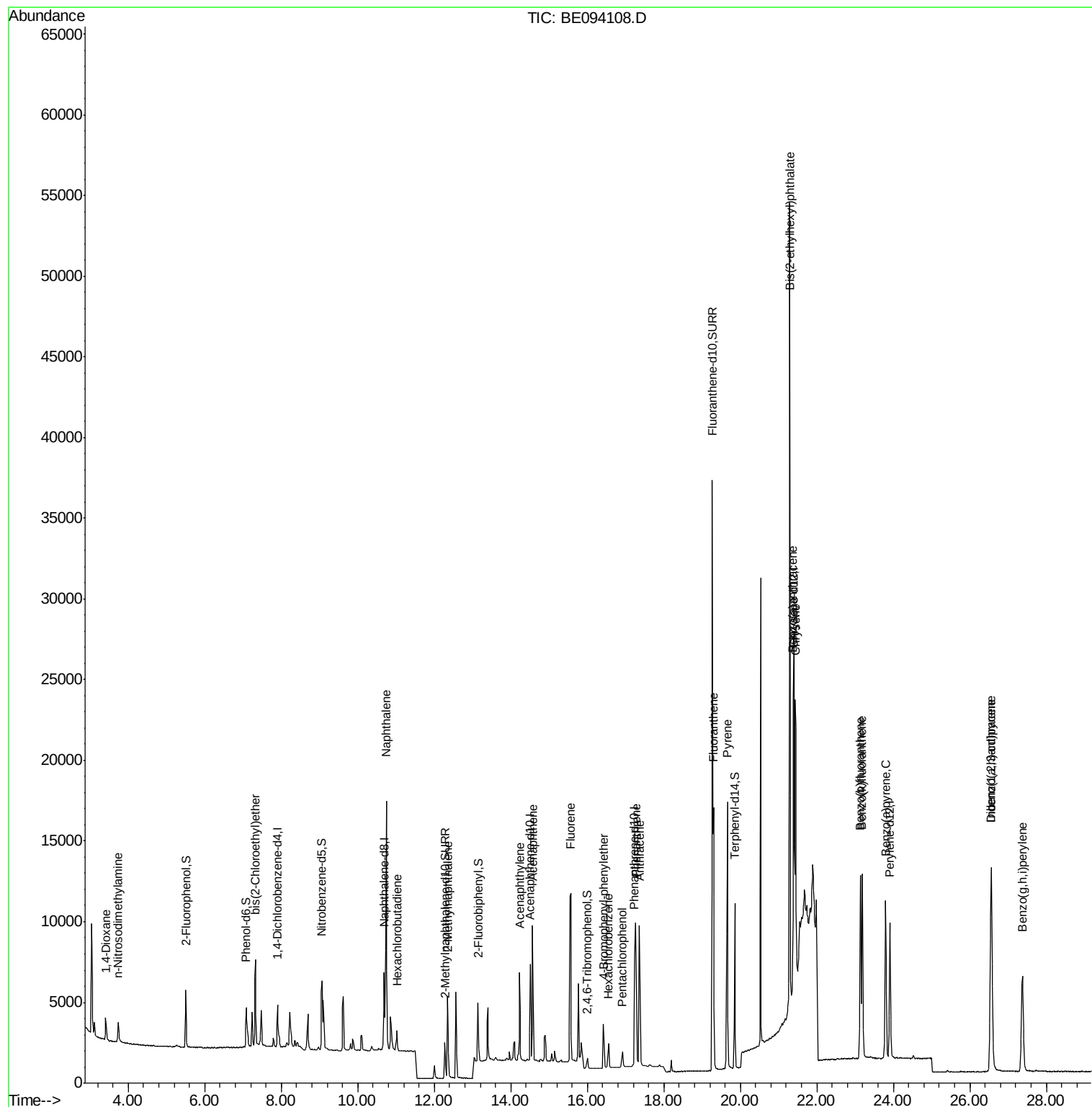
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.41	88	1002	0.406	ng	# 90
3) n-Nitrosodimethylamine	3.73	42	1068	0.339	ng	# 93
6) bis(2-Chloroethyl)ether	7.33	93	2014	0.390	ng	95
9) Naphthalene	10.74	128	25537	0.399	ng	100
10) Hexachlorobutadiene	11.03	225	945	0.394	ng	97
12) 2-Methylnaphthalene	12.35	142	4133	0.399	ng	97
16) Acenaphthylene	14.23	152	6580	0.392	ng	99
17) Acenaphthene	14.57	154	4369	0.416	ng	98
18) Fluorene	15.56	166	5817	0.409	ng	99
20) 4-Bromophenyl-phenylether	16.42	248	2044	0.390	ng	# 83
21) Hexachlorobenzene	16.55	284	1414	0.428	ng	# 85
22) Pentachlorophenol	16.91	266	1011	0.334	ng	# 72
23) Phenanthrene	17.27	178	13555	0.415	ng	98
24) Anthracene	17.37	178	13290	0.388	ng	98
26) Fluoranthene	19.30	202	15085	0.412	ng	100
28) Pyrene	19.66	202	16071	0.375	ng	100
30) Benzo(a)anthracene	21.38	228	17481	0.384	ng	97
31) Chrysene	21.44	228	17341	0.394	ng	97
32) Bis(2-ethylhexyl)phthalate	21.29	149	60248	0.292	ng	98
33) Indeno(1,2,3-cd)pyrene	26.55	276	17525	0.372	ng	99
35) Benzo(b)fluoranthene	23.14	252	16896	0.365	ng	96
36) Benzo(k)fluoranthene	23.19	252	16685	0.376	ng	98
37) Benzo(a)pyrene	23.80	252	16003	0.382	ng	98
38) Dibenzo(a,h)anthracene	26.57	278	15035	0.379	ng	97
39) Benzo(g,h,i)perylene	27.37	276	14941	0.381	ng	99

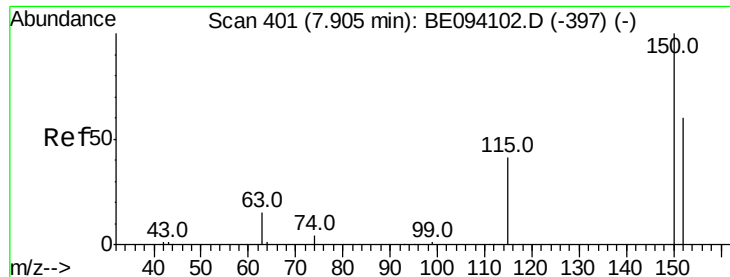
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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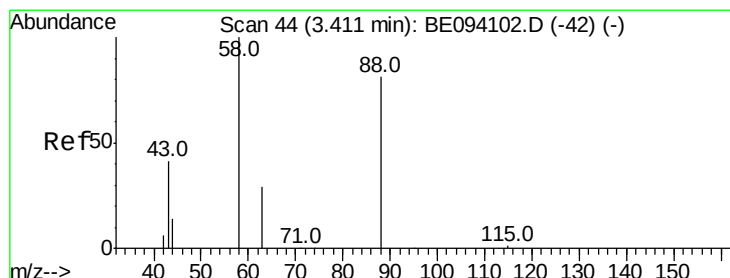
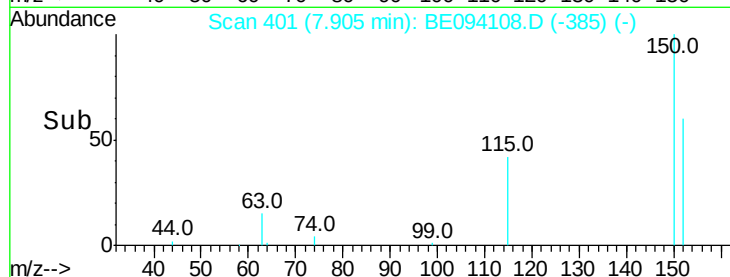
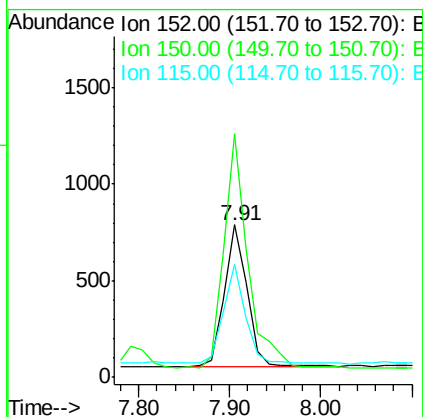
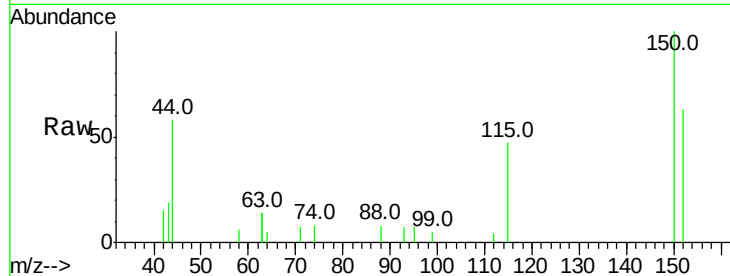


#1

1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.91 min Scan# 401
Delta R.T. 0.00 min
Lab File: BE094108.D
Acq: 25 Sep 2017 18:39

Instrument :
BNA_E
ClientSampleId :

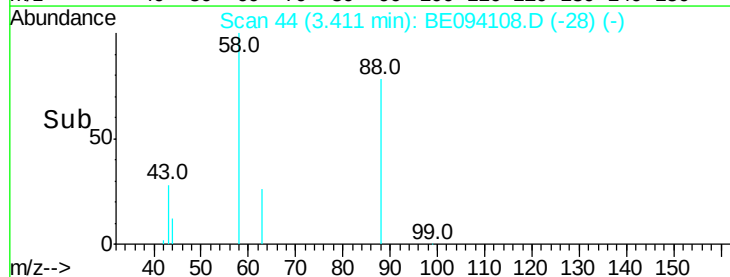
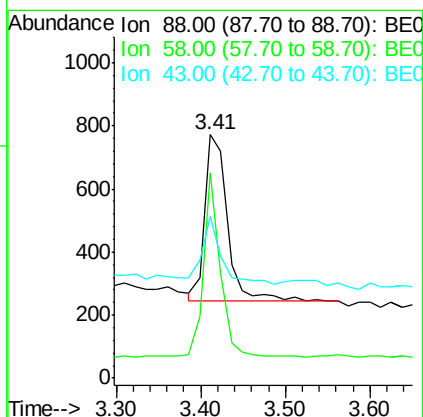
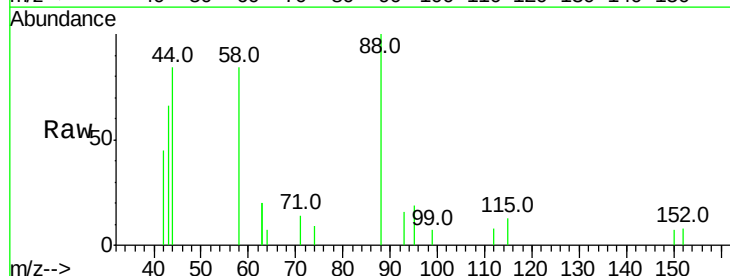
Tot Ion:152 Resp: 1265
Ion Ratio Lower Upper
152 100
150 159.8 117.2 175.8
115 74.5 57.0 85.6

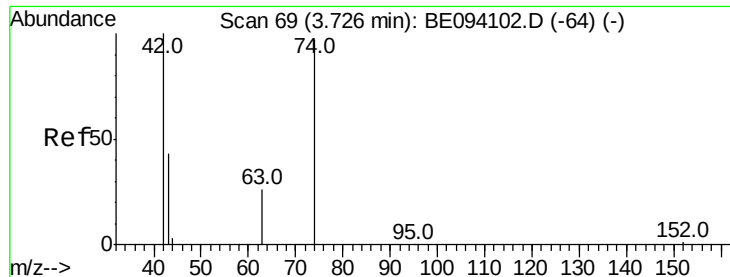


#2

1,4-Dioxane
Concen: 0.406 ng
RT: 3.41 min Scan# 44
Delta R.T. 0.00 min
Lab File: BE094108.D
Acq: 25 Sep 2017 18:39

Tgt Ion: 88 Resp: 1002
Ion Ratio Lower Upper
88 100
58 80.2 63.2 94.8
43 35.9 41.2 61.8#



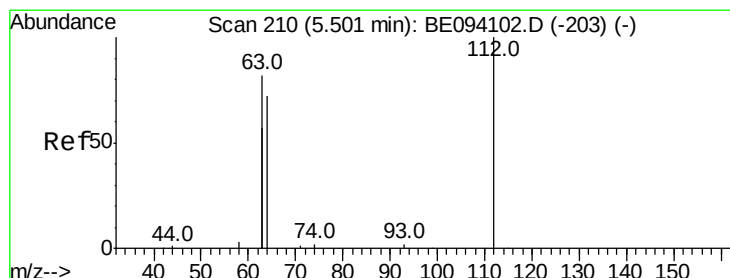
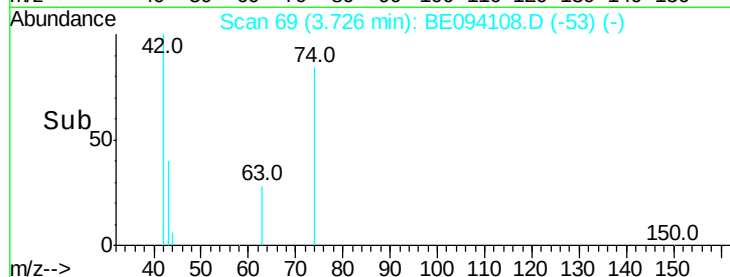
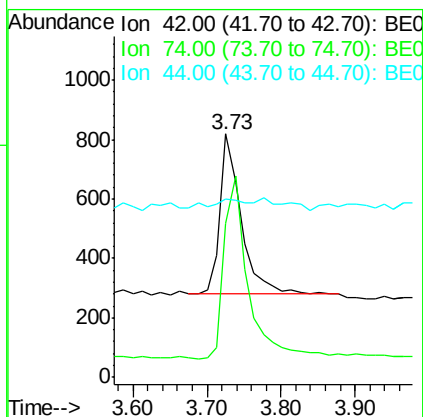
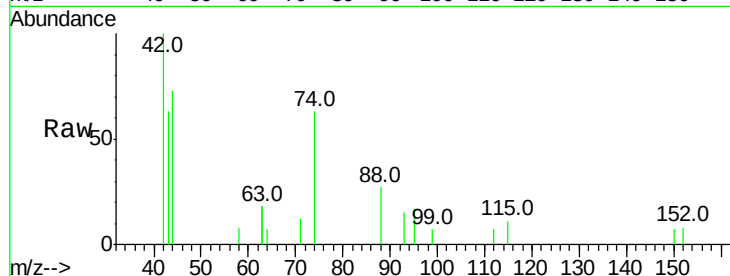


#3

n-Nitrosodimethylamine
 Concen: 0.339 ng
 RT: 3.73 min Scan# 69
 Delta R.T. 0.00 min
 Lab File: BE094108.D
 Acq: 25 Sep 2017 18:39

Instrument :
 BNA_E
 ClientSampleId :

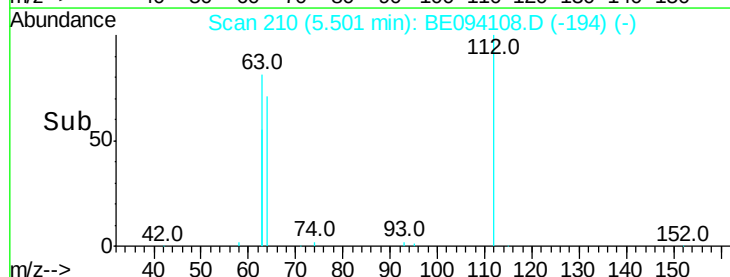
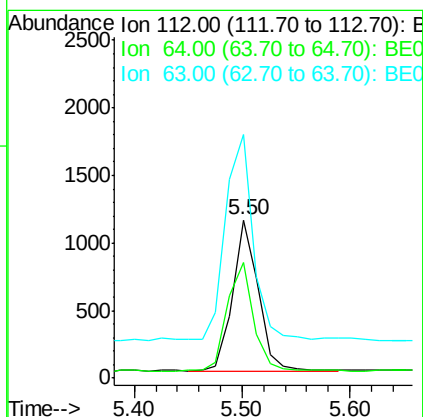
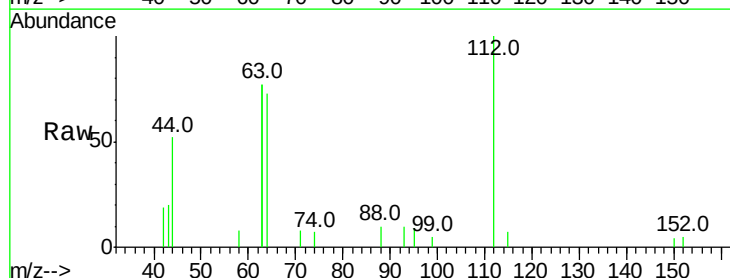
Tot Ion: 42 Resp: 1068
 Ion Ratio Lower Upper
 42 100
 74 129.0 100.3 150.5
 44 8.2 17.0 25.4#

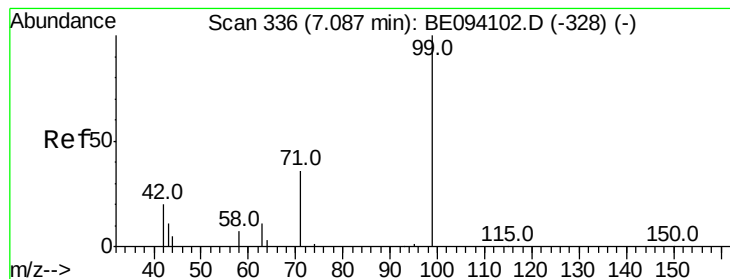


#4

2-Fluorophenol
 Concen: 0.380 ng
 RT: 5.50 min Scan# 210
 Delta R.T. 0.00 min
 Lab File: BE094108.D
 Acq: 25 Sep 2017 18:39

Tgt Ion: 112 Resp: 1821
 Ion Ratio Lower Upper
 112 100
 64 74.2 60.1 90.1
 63 146.3 116.8 175.2





#5

Phenol-d6

Concen: 0.384 ng

RT: 7.09 min Scan# 336

Delta R.T. 0.00 min

Lab File: BE094108.D

Acq: 25 Sep 2017 18:39

Instrument :

BNA_E

ClientSampleId :

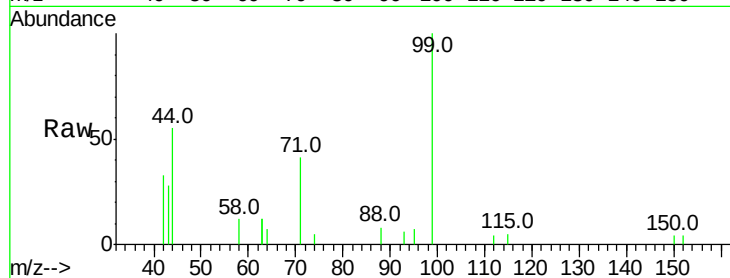
Tot Ion: 99 Resp: 2561

Ion Ratio Lower Upper

99 100

42 22.7 20.2 30.2

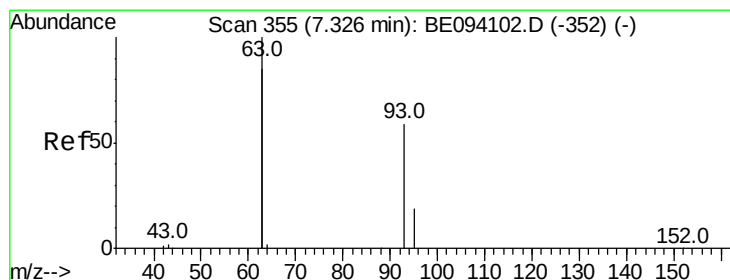
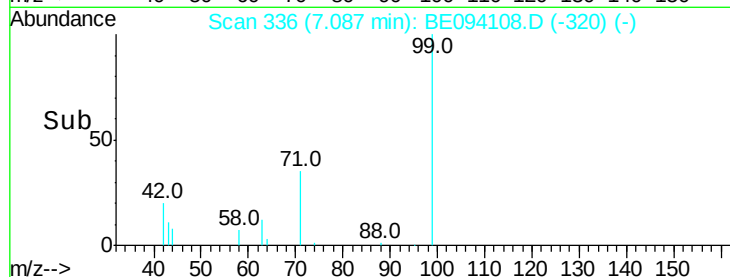
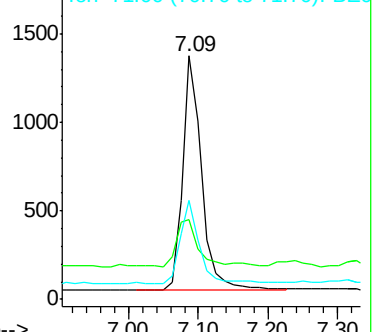
71 34.8 28.4 42.6



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: 0.390 ng

RT: 7.33 min Scan# 355

Delta R.T. 0.00 min

Lab File: BE094108.D

Acq: 25 Sep 2017 18:39

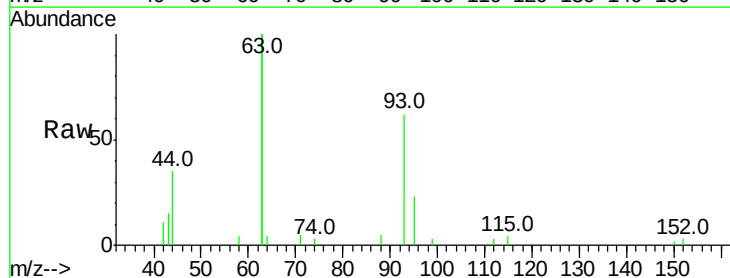
Tgt Ion: 93 Resp: 2014

Ion Ratio Lower Upper

93 100

63 356.0 275.3 412.9

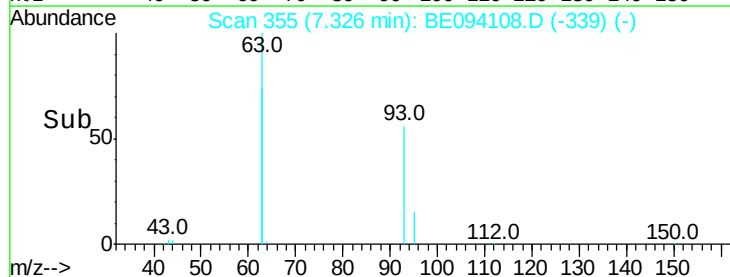
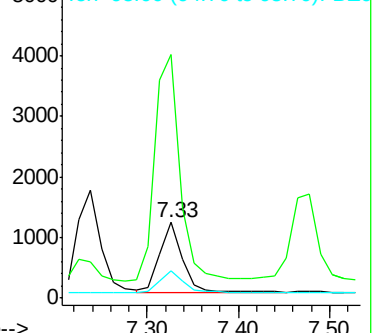
95 31.5 25.2 37.8

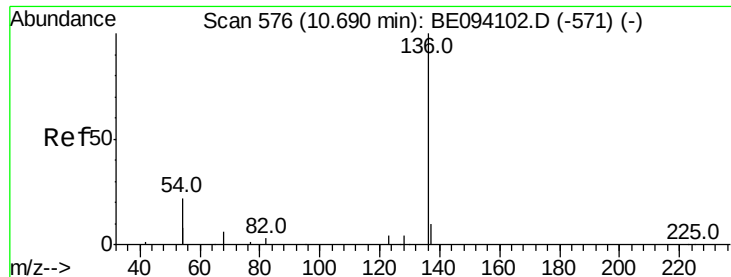


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: 10.69 min Scan# 576

Delta R.T. 0.00 min

Lab File: BE094108.D

Acq: 25 Sep 2017 18:39

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 5673

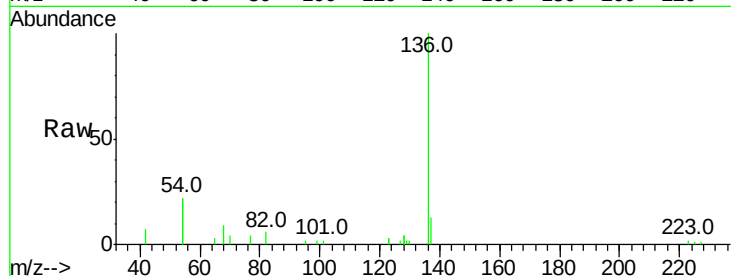
Ion Ratio Lower Upper

136 100

137 12.6 9.5 14.3

54 43.4 29.1 43.7

68 8.9 6.2 9.2

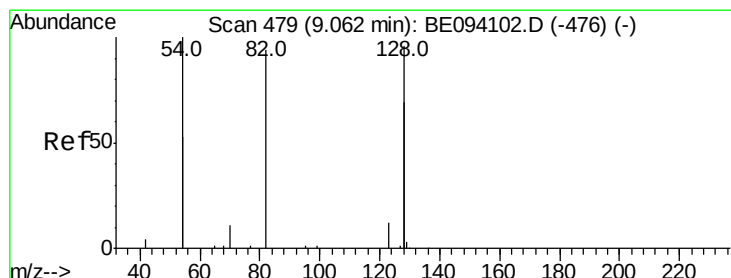
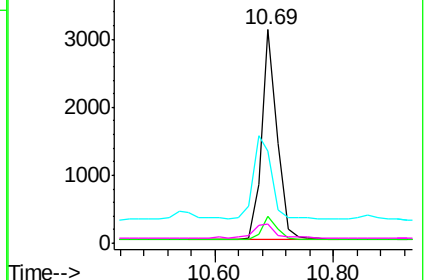
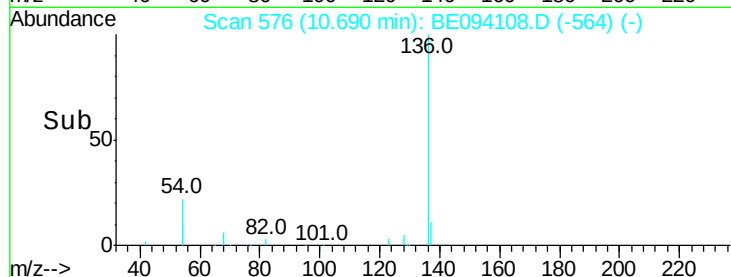


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.366 ng

RT: 9.06 min Scan# 479

Delta R.T. 0.00 min

Lab File: BE094108.D

Acq: 25 Sep 2017 18:39

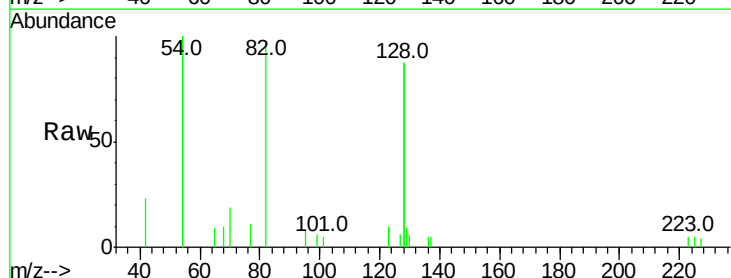
Tgt Ion: 82 Resp: 2008

Ion Ratio Lower Upper

82 100

128 179.5 150.0 225.0

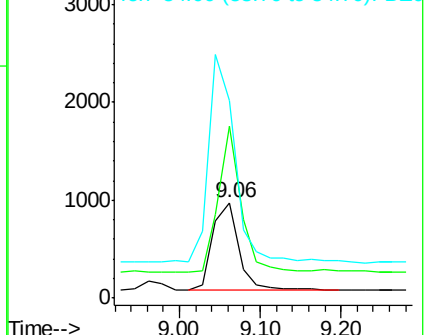
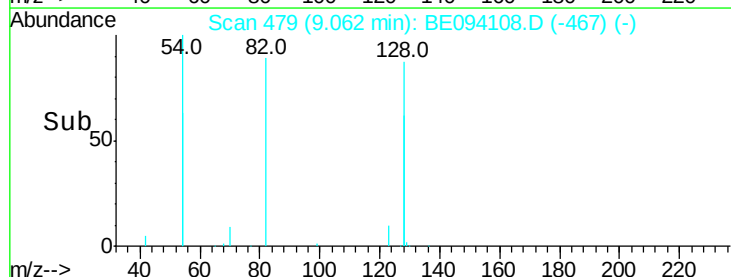
54 207.2 154.2 231.4

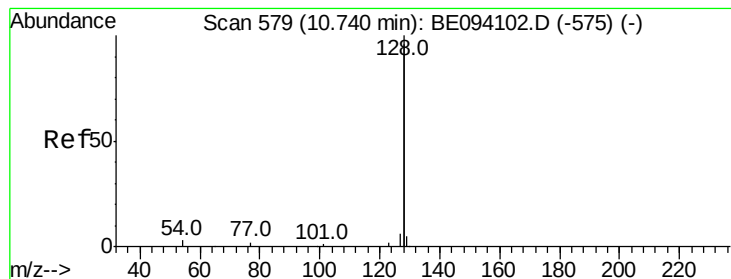


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.399 ng

RT: 10.74 min Scan# 579

Delta R.T. 0.00 min

Lab File: BE094108.D

Acq: 25 Sep 2017 18:39

Instrument :

BNA_E

ClientSampleId :

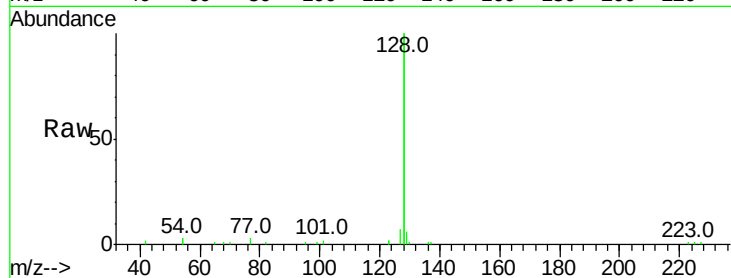
Tot Ion:128 Resp: 25537

Ion Ratio Lower Upper

128 100

129 3.1 2.6 3.8

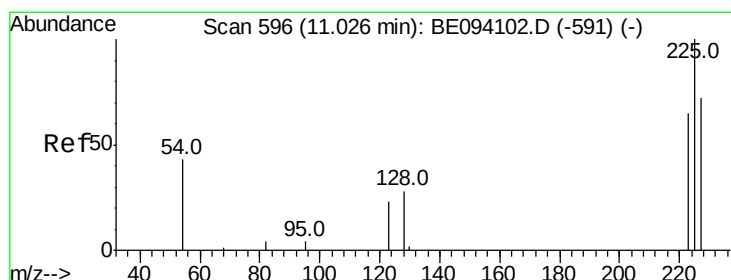
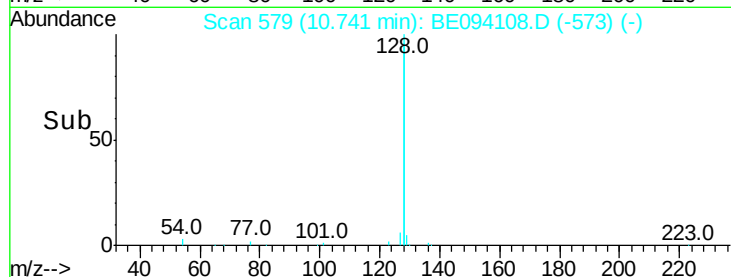
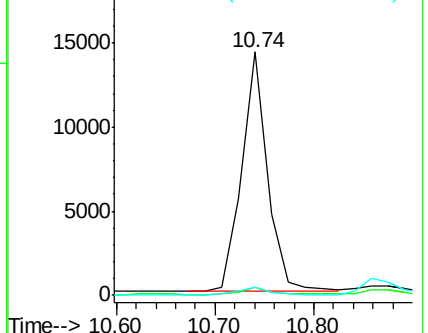
127 3.5 2.8 4.2



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: 0.394 ng

RT: 11.03 min Scan# 596

Delta R.T. 0.00 min

Lab File: BE094108.D

Acq: 25 Sep 2017 18:39

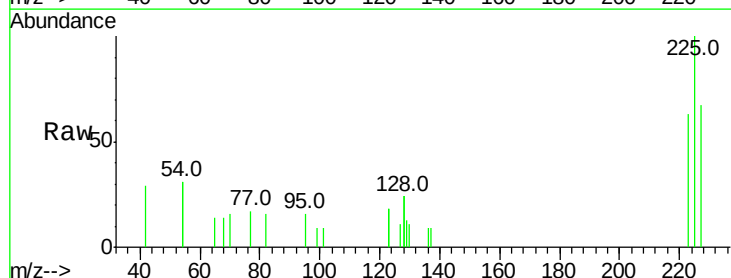
Tgt Ion:225 Resp: 945

Ion Ratio Lower Upper

225 100

223 62.4 53.0 79.6

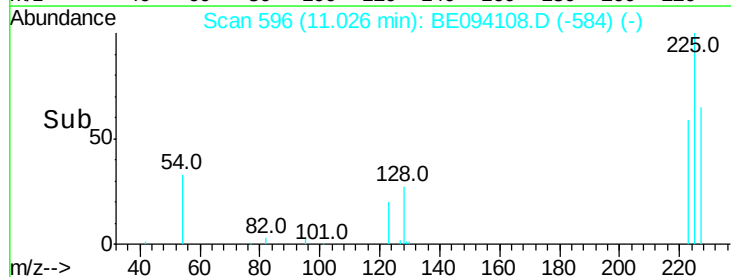
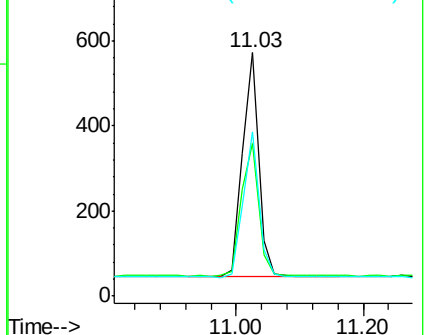
227 63.0 51.4 77.2

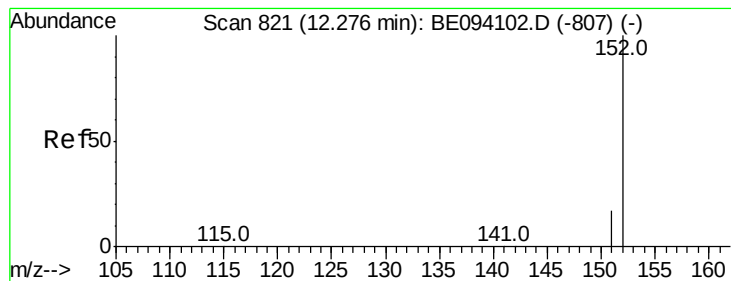


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.394 ng

RT: 12.28 min Scan# 821

Delta R.T. -0.00 min

Lab File: BE094108.D

Acq: 25 Sep 2017 18:39

Instrument :

BNA_E

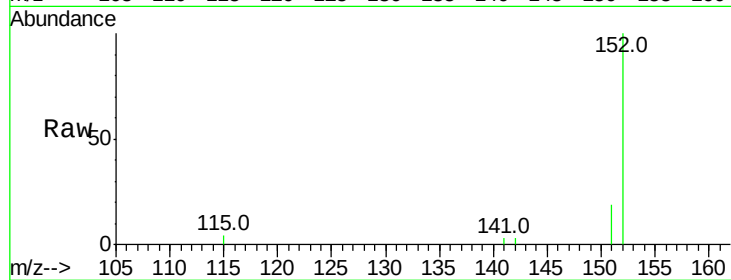
ClientSampleId :

Tot Ion:152 Resp: 3441

Ion Ratio Lower Upper

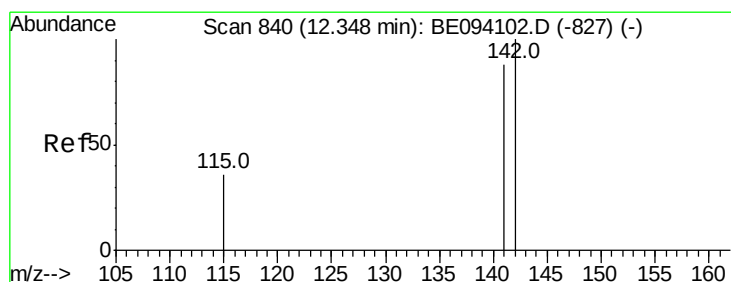
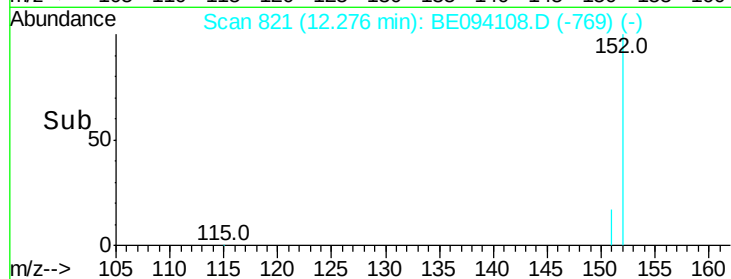
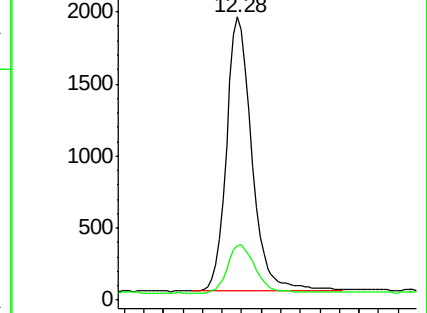
152 100

151 19.0 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.399 ng

RT: 12.35 min Scan# 840

Delta R.T. -0.00 min

Lab File: BE094108.D

Acq: 25 Sep 2017 18:39

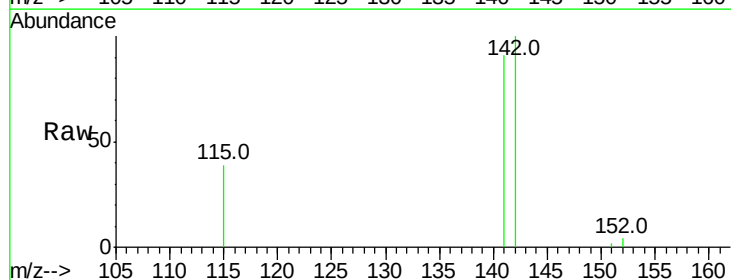
Tgt Ion:142 Resp: 4133

Ion Ratio Lower Upper

142 100

141 91.4 70.4 105.6

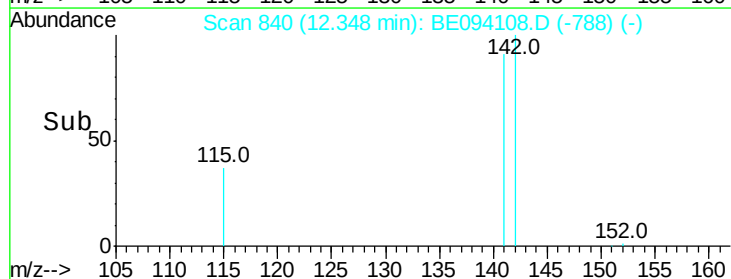
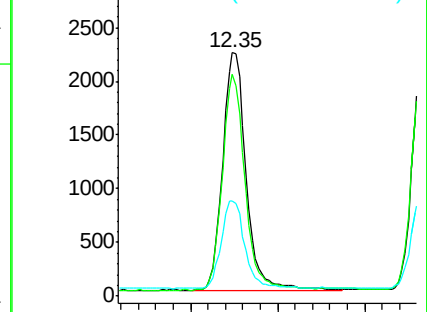
115 39.0 31.7 47.5

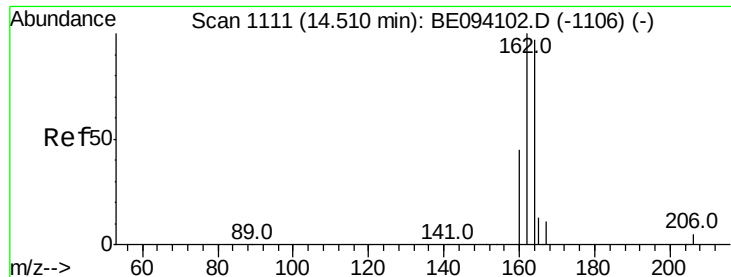


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

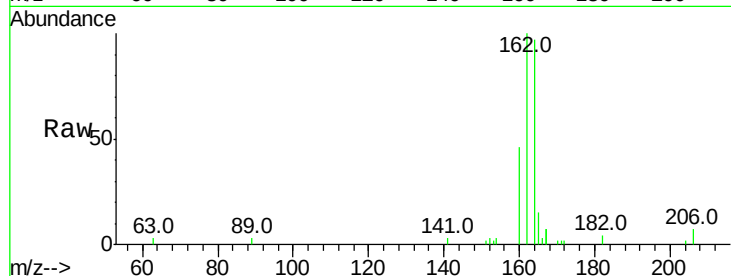




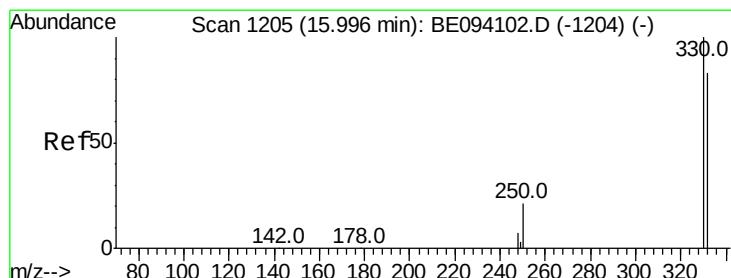
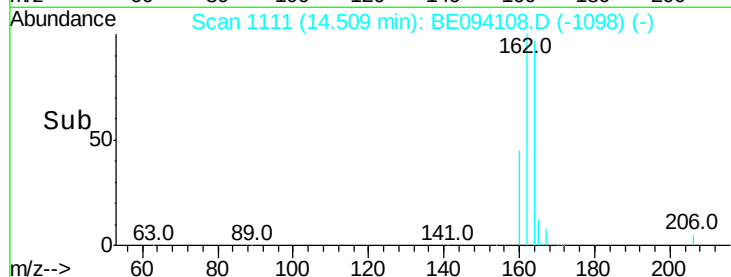
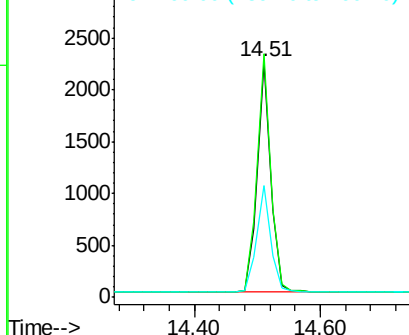
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.51 min Scan# 1111
Delta R.T. -0.00 min
Lab File: BE094108.D
Acq: 25 Sep 2017 18:39

Instrument :
BNA_E
ClientSampleId :

Tot Ion:164 Resp: 3349
Ion Ratio Lower Upper
164 100
162 103.5 83.1 124.7
160 47.3 37.1 55.7

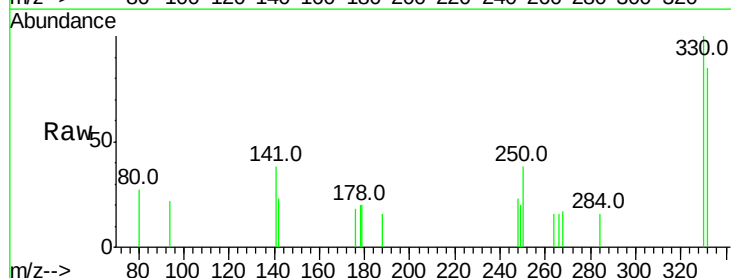


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

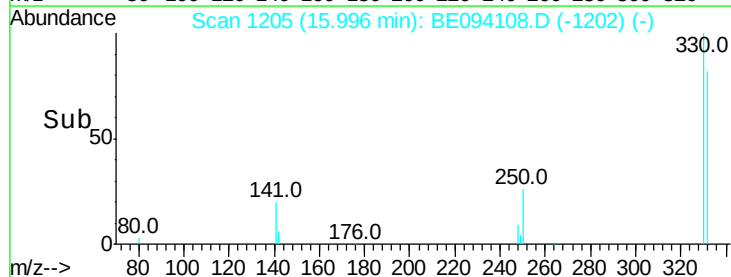
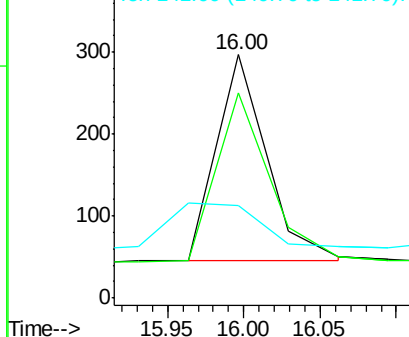


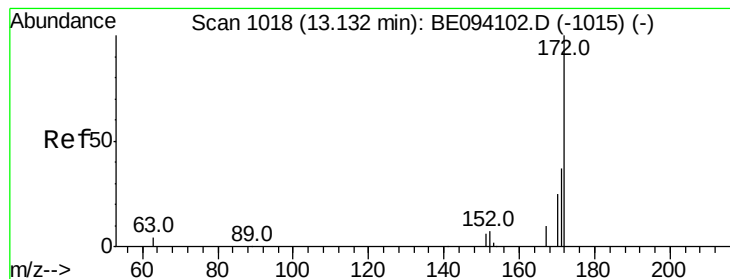
#14
2,4,6-Tribromophenol
Concen: 0.289 ng
RT: 16.00 min Scan# 1205
Delta R.T. 0.00 min
Lab File: BE094108.D
Acq: 25 Sep 2017 18:39

Tgt Ion:330 Resp: 575
Ion Ratio Lower Upper
330 100
332 85.7 152.7 229.1#
141 0.0 33.7 50.5#



Abundance Ion 330.00 (329.70 to 330.70): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.409 ng

RT: 13.15 min Scan# 1019

Delta R.T. 0.01 min

Lab File: BE094108.D

Acq: 25 Sep 2017 18:39

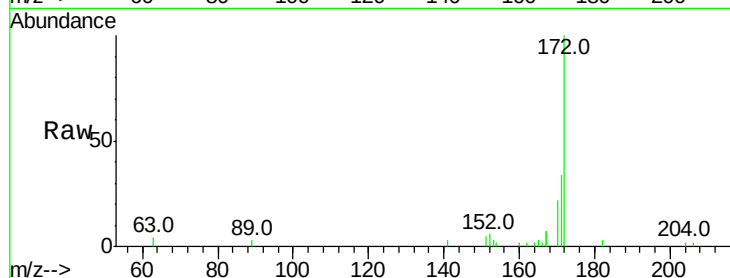
Instrument :

BNA_E

ClientSampleId :

Tot Ion:172 Resp: 4529

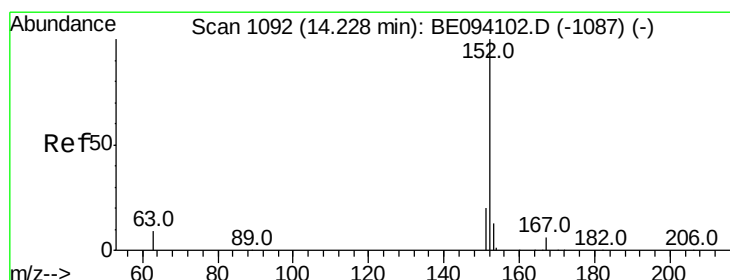
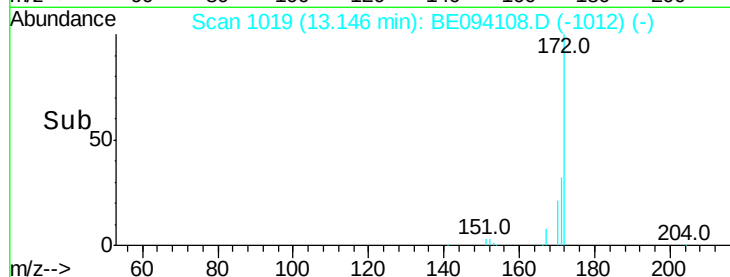
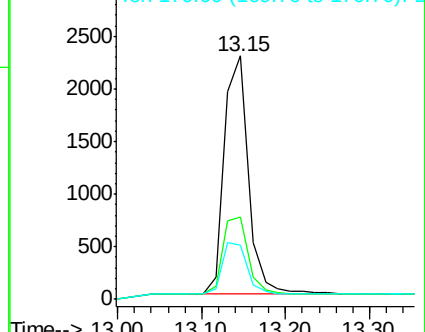
Ion	Ratio	Lower	Upper
172	100		
171	34.1	29.9	44.9
170	22.5	21.8	32.8



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: 0.392 ng

RT: 14.23 min Scan# 1092

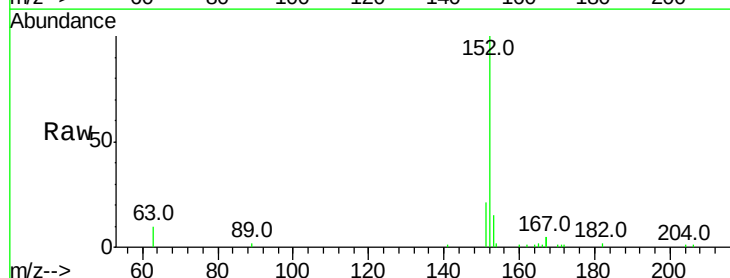
Delta R.T. -0.00 min

Lab File: BE094108.D

Acq: 25 Sep 2017 18:39

Tgt Ion:152 Resp: 6580

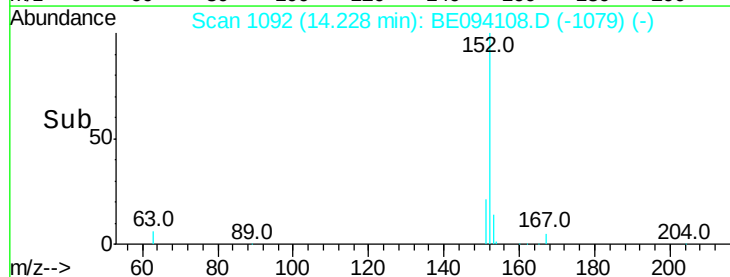
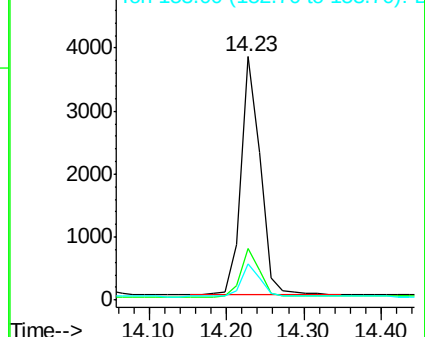
Ion	Ratio	Lower	Upper
152	100		
151	20.1	15.7	23.5
153	13.6	10.5	15.7

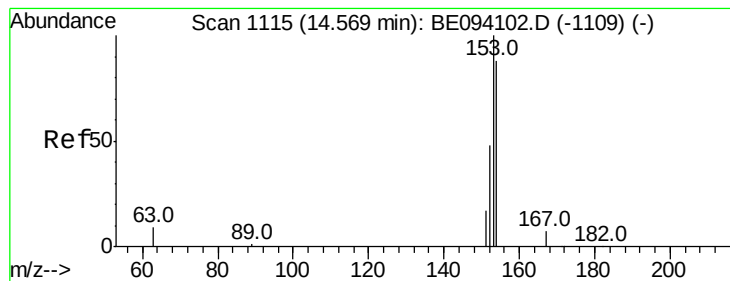


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 0.416 ng

RT: 14.57 min Scan# 1115

Delta R.T. -0.00 min

Lab File: BE094108.D

Acq: 25 Sep 2017 18:39

Instrument :

BNA_E

ClientSampleId :

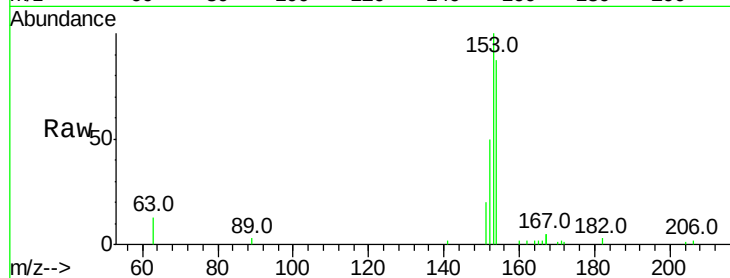
Tot Ion:154 Resp: 4369

Ion Ratio Lower Upper

154 100

153 112.9 89.2 133.8

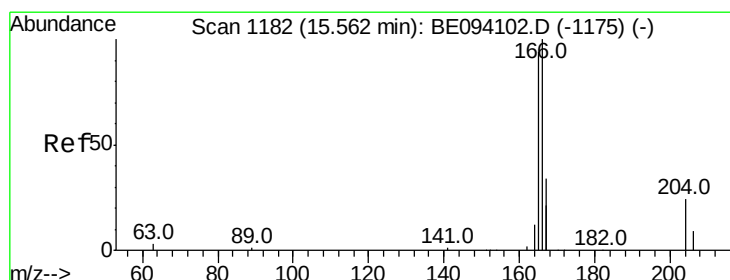
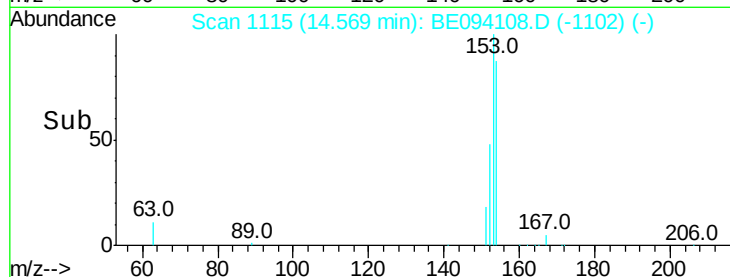
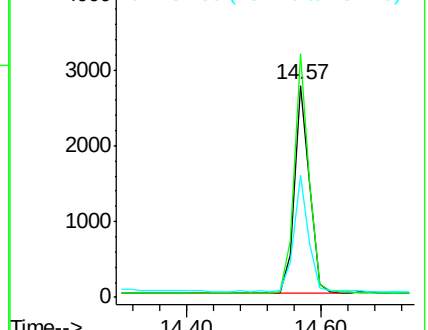
152 54.0 42.0 63.0



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: 0.409 ng

RT: 15.56 min Scan# 1182

Delta R.T. -0.00 min

Lab File: BE094108.D

Acq: 25 Sep 2017 18:39

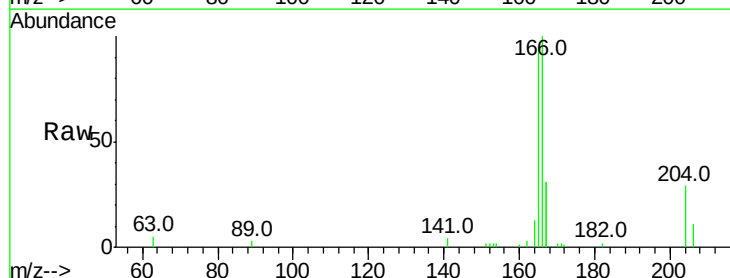
Tgt Ion:166 Resp: 5817

Ion Ratio Lower Upper

166 100

165 98.7 77.8 116.6

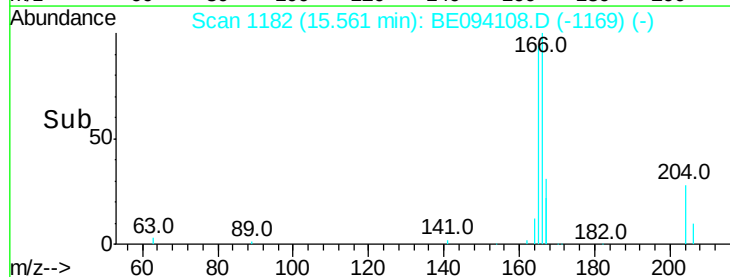
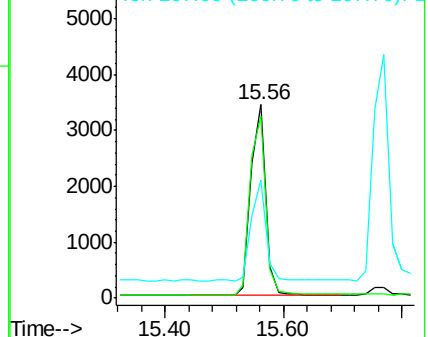
167 53.7 42.4 63.6

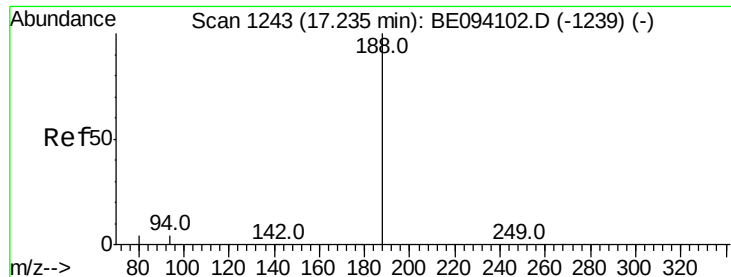


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

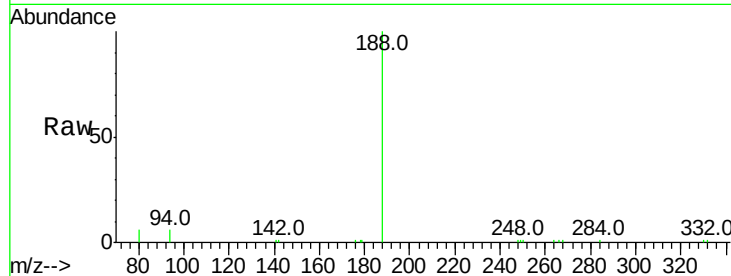




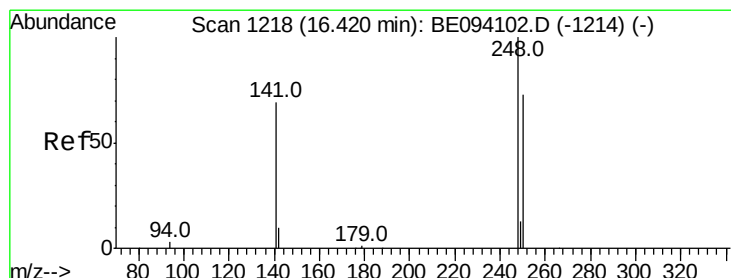
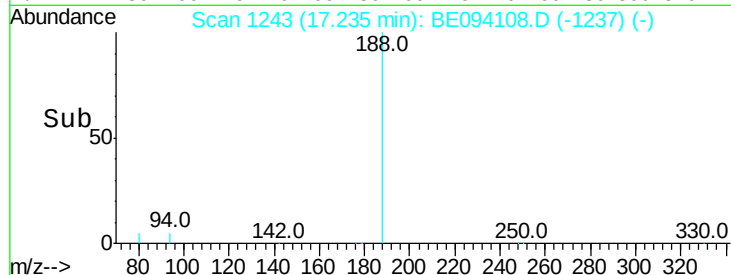
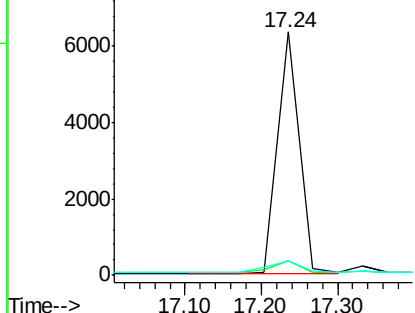
#19
 Phenanthrene-d10
 Concen: 0.400 ng
 RT: 17.24 min Scan# 1243
 Delta R.T. 0.00 min
 Lab File: BE094108.D
 Acq: 25 Sep 2017 18:39

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:188 Resp: 12769
 Ion Ratio Lower Upper
 188 100
 94 6.1 3.9 5.9#
 80 5.9 3.6 5.4#

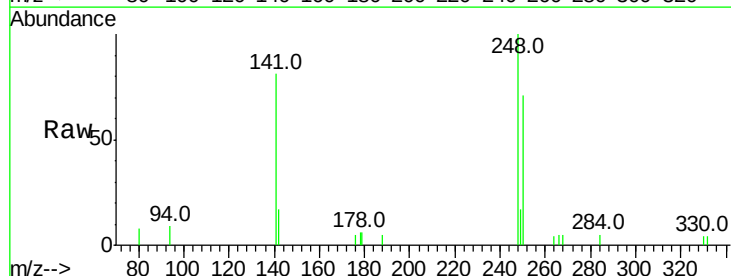


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BE0
 Ion 80.00 (79.70 to 80.70): BE0

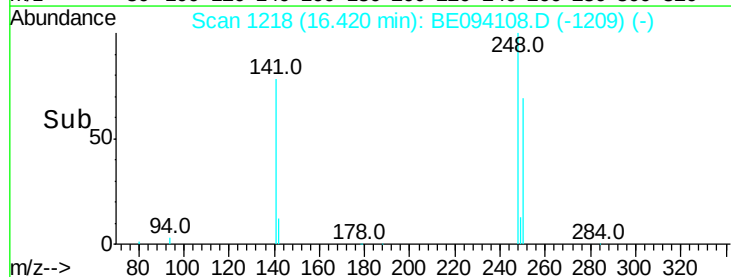
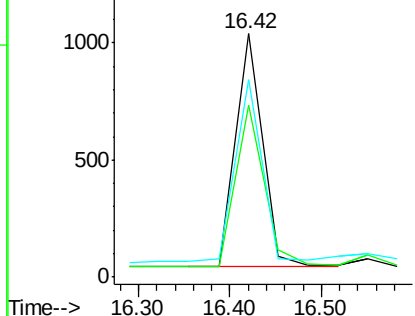


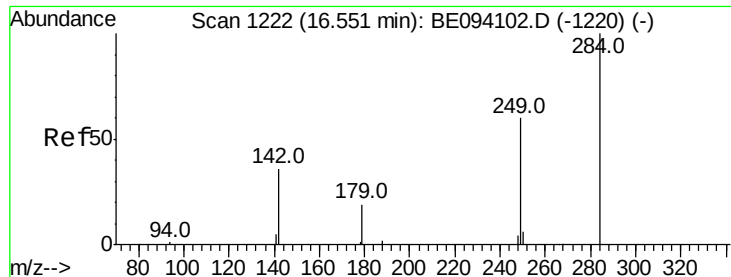
#20
 4-Bromophenyl-phenylether
 Concen: 0.390 ng
 RT: 16.42 min Scan# 1218
 Delta R.T. 0.00 min
 Lab File: BE094108.D
 Acq: 25 Sep 2017 18:39

Tgt Ion:248 Resp: 2044
 Ion Ratio Lower Upper
 248 100
 250 70.7 62.7 94.1
 141 80.9 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

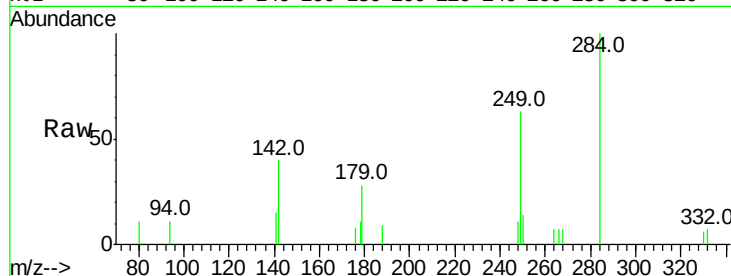




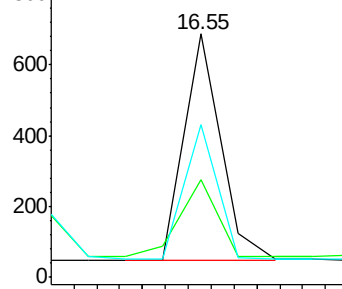
#21
Hexachlorobenzene
Concen: 0.428 ng
RT: 16.55 min Scan# 1222
Delta R.T. 0.00 min
Lab File: BE094108.D
Acq: 25 Sep 2017 18:39

Instrument :
BNA_E
ClientSampleId :

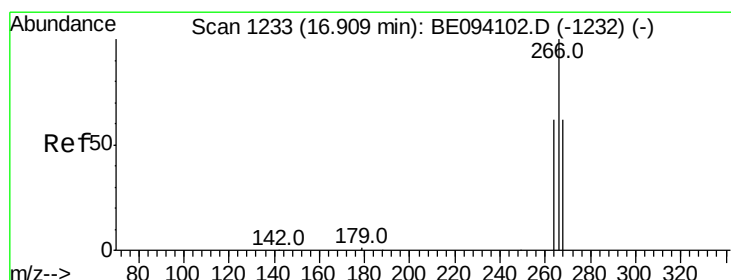
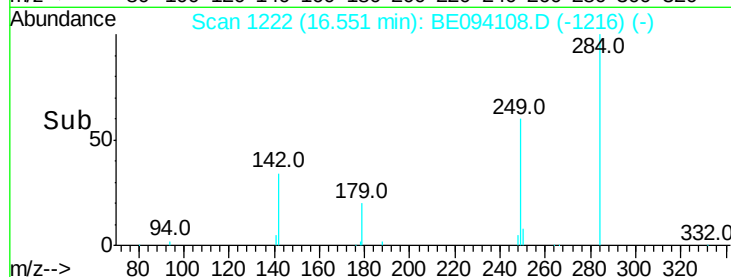
Tot Ion:284 Resp: 1414
Ion Ratio Lower Upper
284 100
142 35.0 22.1 33.1#
249 53.3 34.8 52.2#



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

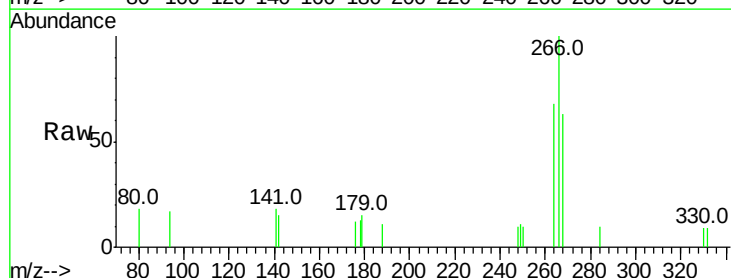


Time-->

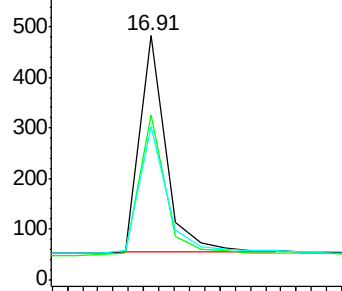


#22
Pentachlorophenol
Concen: 0.334 ng
RT: 16.91 min Scan# 1233
Delta R.T. 0.00 min
Lab File: BE094108.D
Acq: 25 Sep 2017 18:39

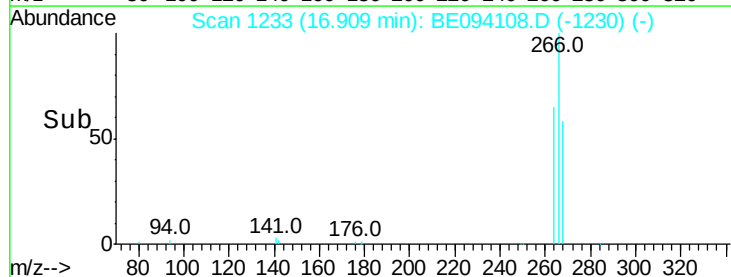
Tgt Ion:266 Resp: 1011
Ion Ratio Lower Upper
266 100
264 67.7 72.5 108.7#
268 62.7 73.8 110.6#

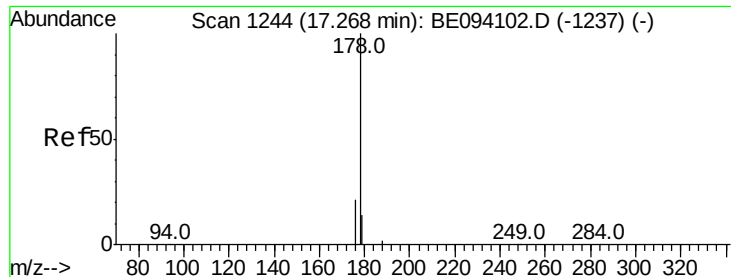


Abundance Ion 266.00 (265.70 to 266.70): E
Ion 264.00 (263.70 to 264.70): E
Ion 268.00 (267.70 to 268.70): E



Time-->





#23

Phenanthrene

Concen: 0.415 ng

RT: 17.27 min Scan# 1244

Delta R.T. 0.00 min

Lab File: BE094108.D

Acq: 25 Sep 2017 18:39

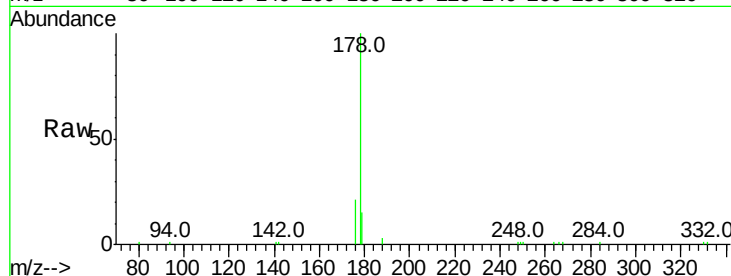
Instrument :

BNA_E

ClientSampleId :

Tot Ion:178 Resp: 13555

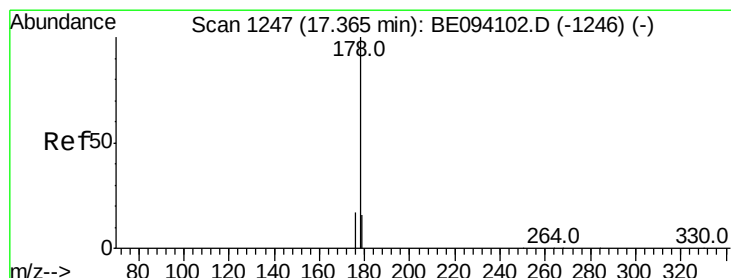
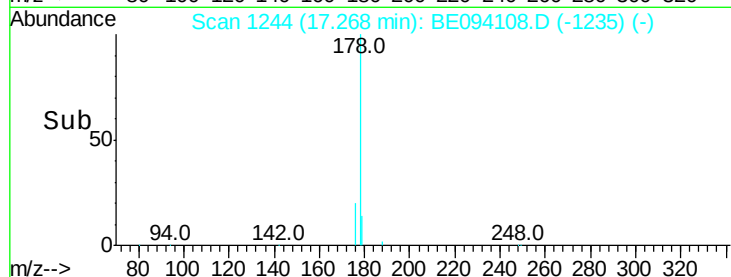
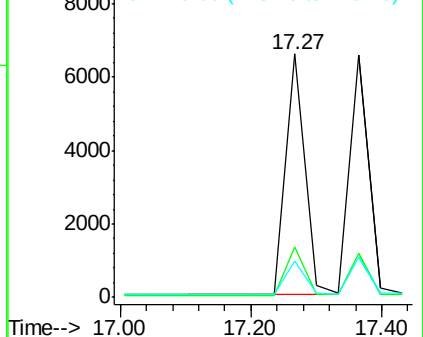
Ion	Ratio	Lower	Upper
178	100		
176	20.1	15.1	22.7
179	14.1	11.8	17.6



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: 0.388 ng

RT: 17.37 min Scan# 1247

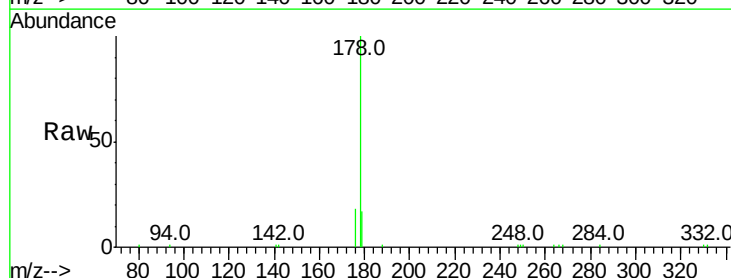
Delta R.T. 0.00 min

Lab File: BE094108.D

Acq: 25 Sep 2017 18:39

Tgt Ion:178 Resp: 13290

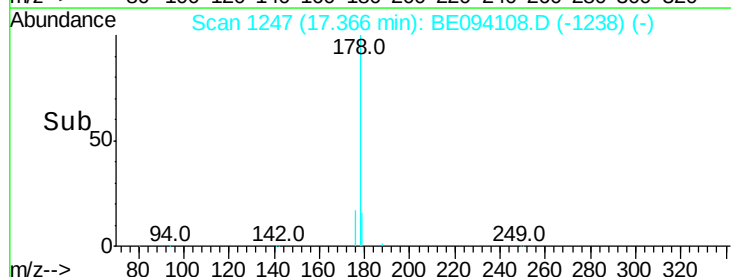
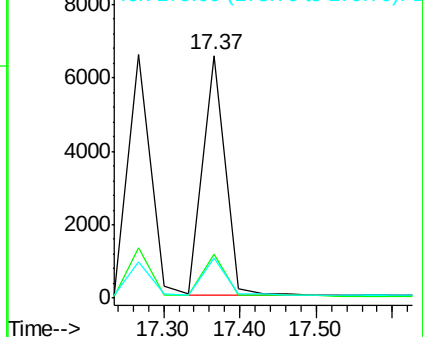
Ion	Ratio	Lower	Upper
178	100		
176	17.3	12.8	19.2
179	15.7	13.0	19.6

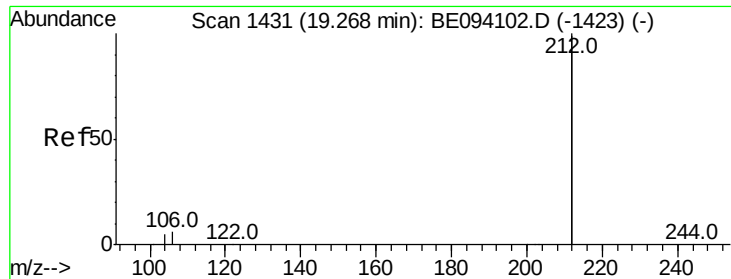


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.403 ng

RT: 19.27 min Scan# 1431

Delta R.T. 0.00 min

Lab File: BE094108.D

Acq: 25 Sep 2017 18:39

Instrument :

BNA_E

ClientSampleId :

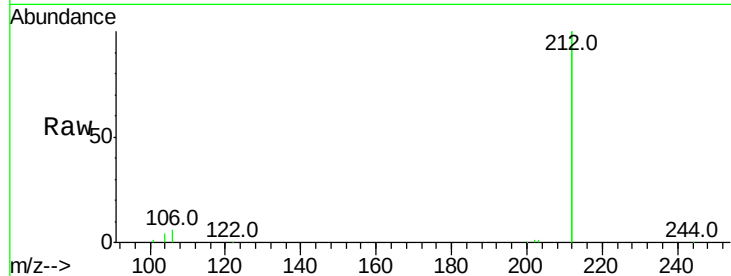
Tot Ion:212 Resp: 49833

Ion Ratio Lower Upper

212 100

106 3.4 2.8 4.2

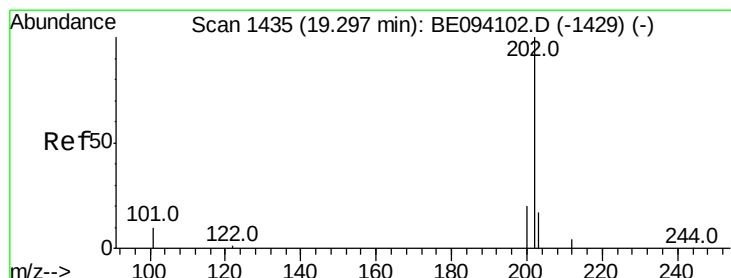
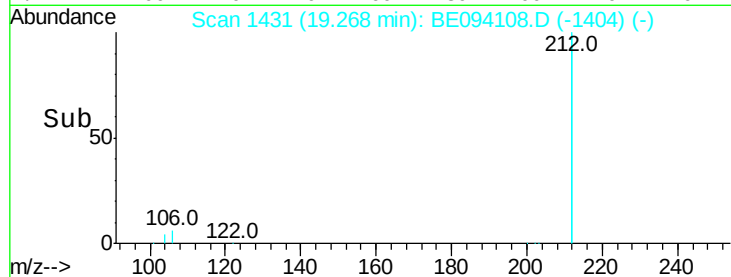
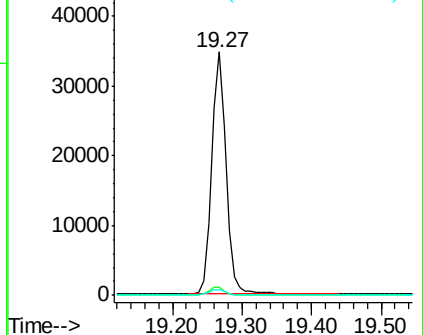
104 2.5 1.6 2.4#



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: 0.412 ng

RT: 19.30 min Scan# 1435

Delta R.T. 0.00 min

Lab File: BE094108.D

Acq: 25 Sep 2017 18:39

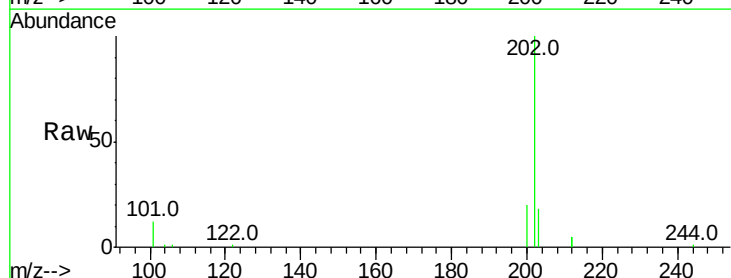
Tgt Ion:202 Resp: 15085

Ion Ratio Lower Upper

202 100

101 12.0 9.8 14.8

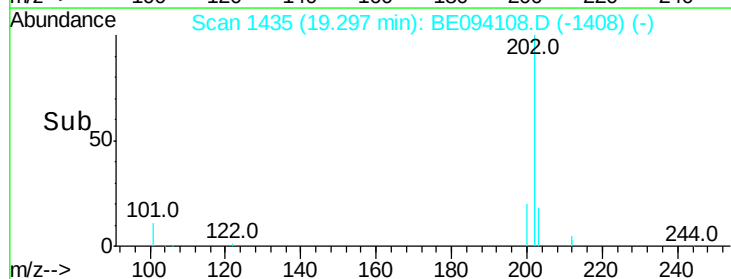
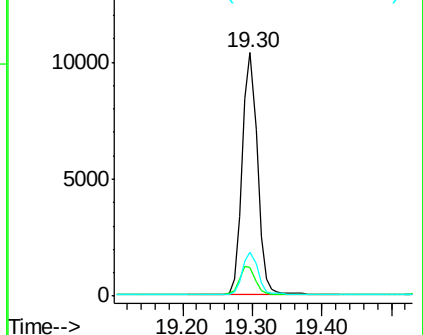
203 17.1 13.7 20.5

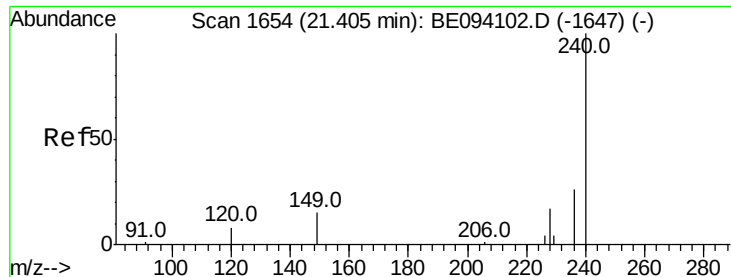


Abundance Ion 202.00 (201.70 to 202.70): E

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: BE094108.D

Acq: 25 Sep 2017 18:39

Instrument :

BNA_E

ClientSampled :

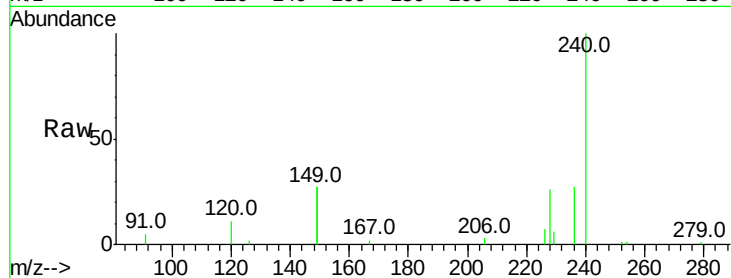
Tot Ion:240 Resp: 13536

Ion Ratio Lower Upper

240 100

120 10.9 5.5 8.3#

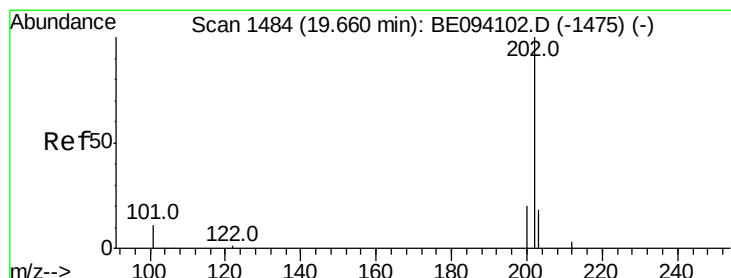
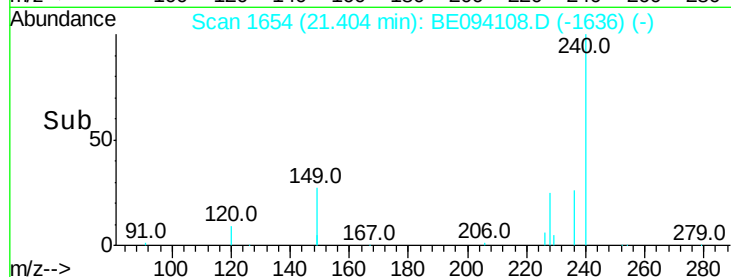
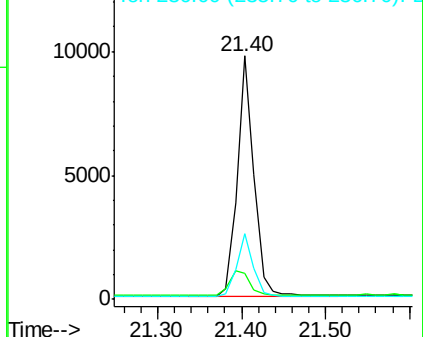
236 27.2 20.7 31.1



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: 0.375 ng

RT: 19.66 min Scan# 1484

Delta R.T. 0.00 min

Lab File: BE094108.D

Acq: 25 Sep 2017 18:39

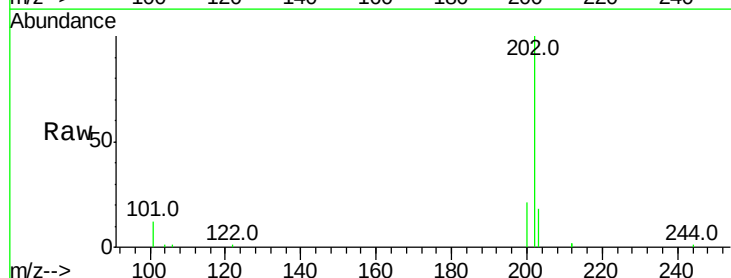
Tgt Ion:202 Resp: 16071

Ion Ratio Lower Upper

202 100

200 20.9 16.6 25.0

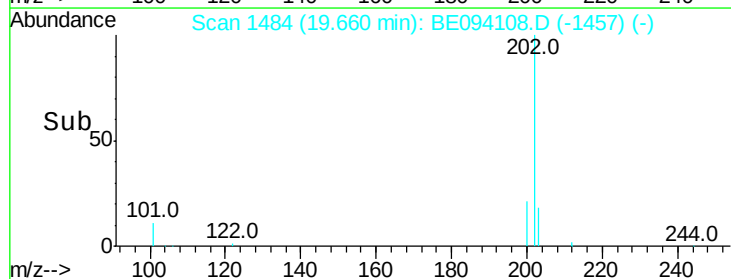
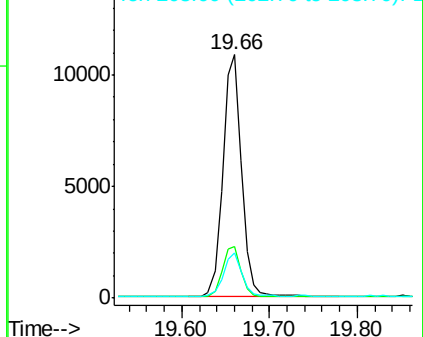
203 17.7 13.8 20.8

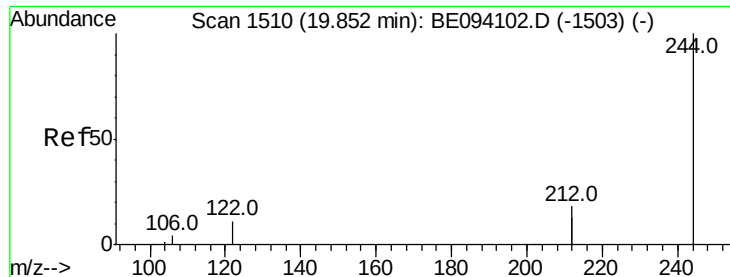


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.368 ng

RT: 19.85 min Scan# 1510

Delta R.T. 0.00 min

Lab File: BE094108.D

Acq: 25 Sep 2017 18:39

Instrument :

BNA_E

ClientSampleId :

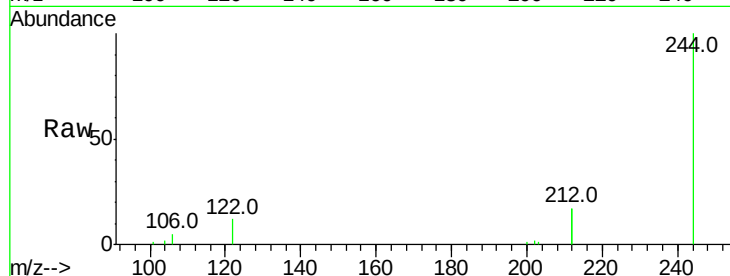
Tot Ion:244 Resp: 9077

Ion Ratio Lower Upper

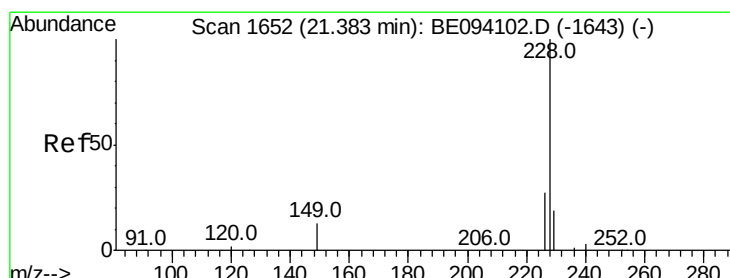
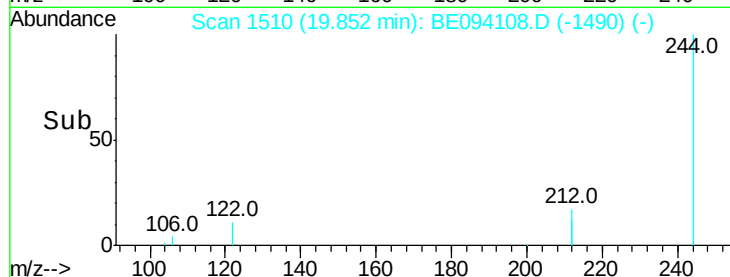
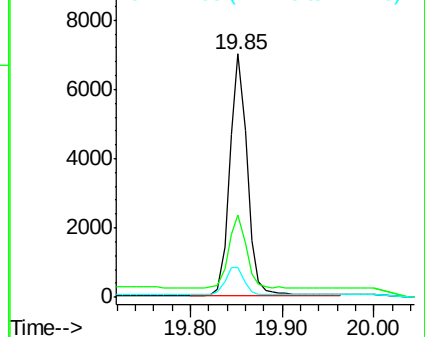
244 100

212 33.8 25.4 38.0

122 12.1 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: 0.384 ng

RT: 21.38 min Scan# 1652

Delta R.T. -0.00 min

Lab File: BE094108.D

Acq: 25 Sep 2017 18:39

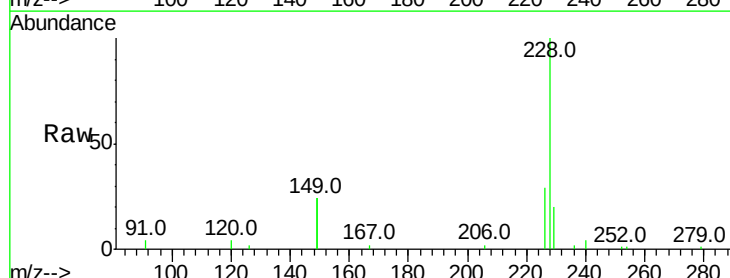
Tgt Ion:228 Resp: 17481

Ion Ratio Lower Upper

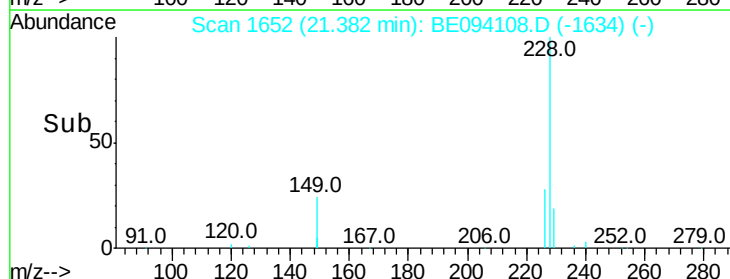
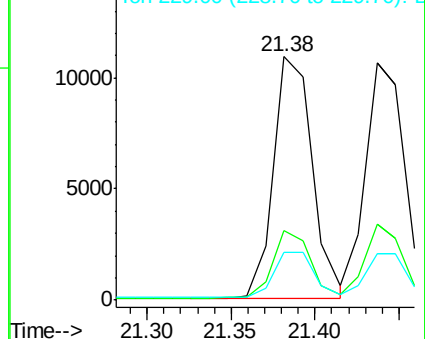
228 100

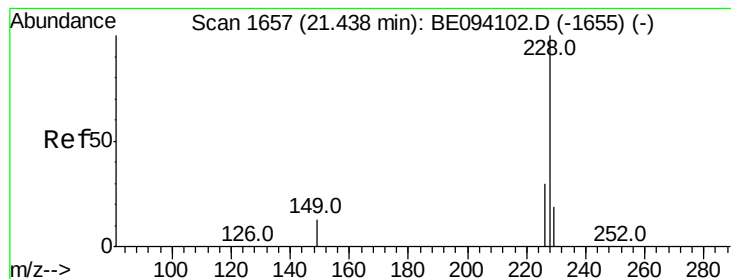
226 28.7 21.4 32.0

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





#31

Chrysene

Concen: 0.394 ng

RT: 21.44 min Scan# 1657

Delta R.T. -0.00 min

Lab File: BE094108.D

Acq: 25 Sep 2017 18:39

Instrument :

BNA_E

ClientSampled :

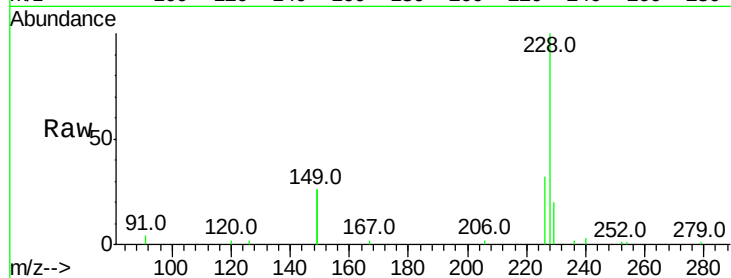
Tot Ion:228 Resp: 17341

Ion Ratio Lower Upper

228 100

226 31.8 23.6 35.4

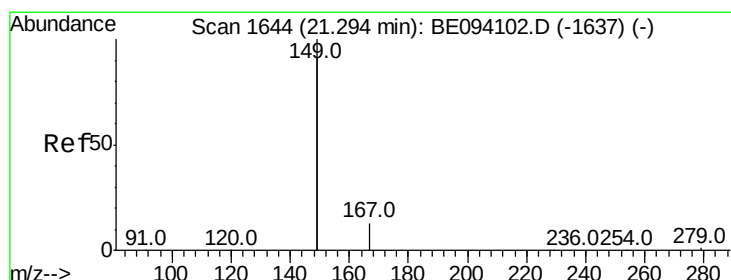
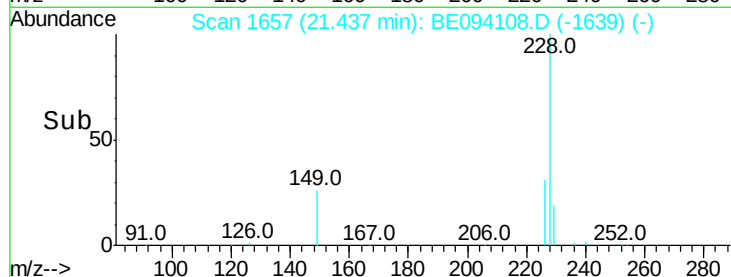
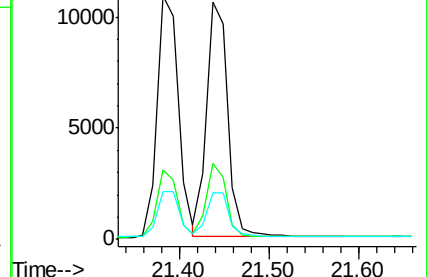
229 19.9 16.4 24.6



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: 0.292 ng

RT: 21.29 min Scan# 1644

Delta R.T. -0.00 min

Lab File: BE094108.D

Acq: 25 Sep 2017 18:39

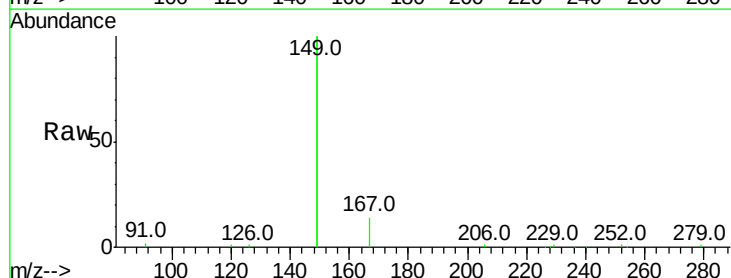
Tgt Ion:149 Resp: 60248

Ion Ratio Lower Upper

149 100

167 5.9 5.4 8.0

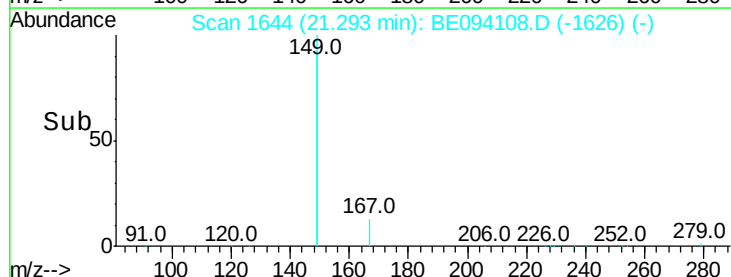
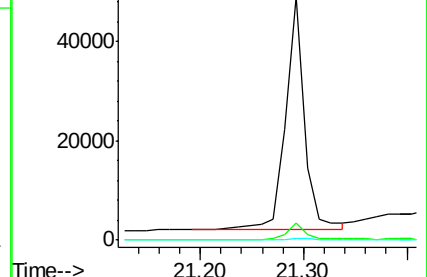
279 0.8 0.7 1.1

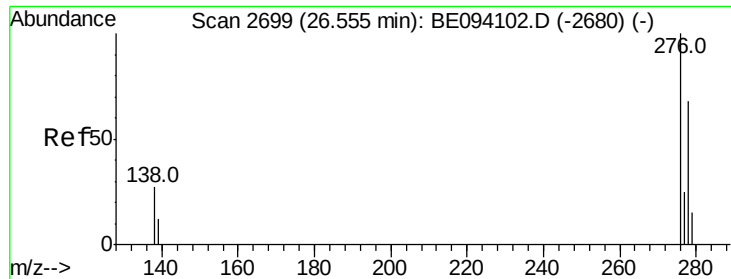


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.372 ng

RT: 26.55 min Scan# 2698

Delta R.T. -0.00 min

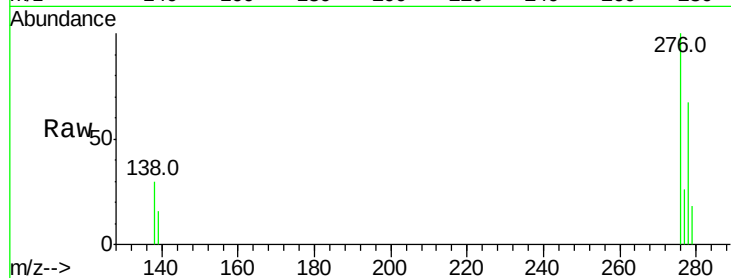
Lab File: BE094108.D

Acq: 25 Sep 2017 18:39

Instrument :

BNA_E

ClientSampleId :



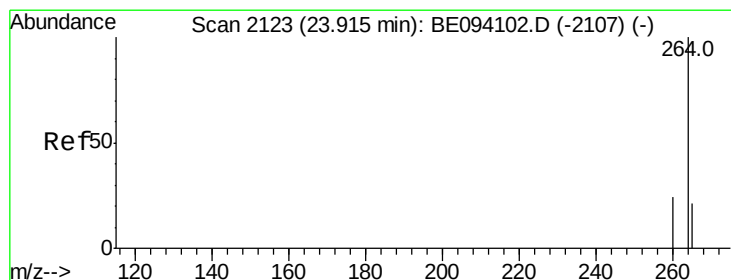
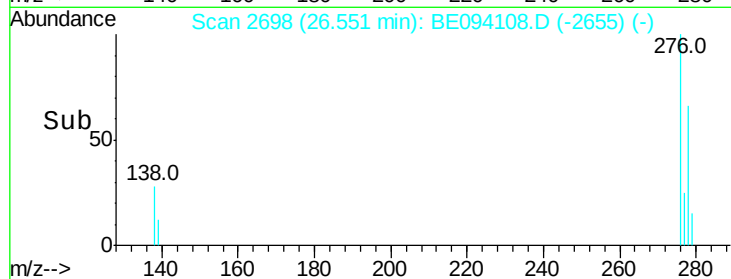
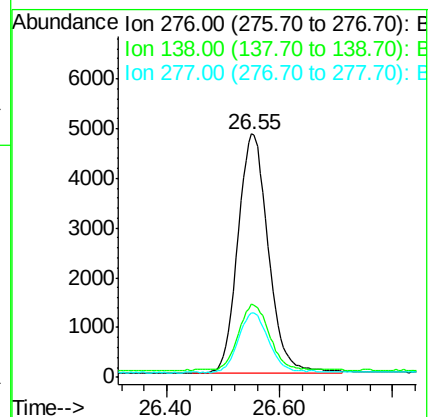
Tot Ion:276 Resp: 17525

Ion Ratio Lower Upper

276 100

138 27.4 22.5 33.7

277 24.7 19.9 29.9



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.91 min Scan# 2122

Delta R.T. -0.00 min

Lab File: BE094108.D

Acq: 25 Sep 2017 18:39

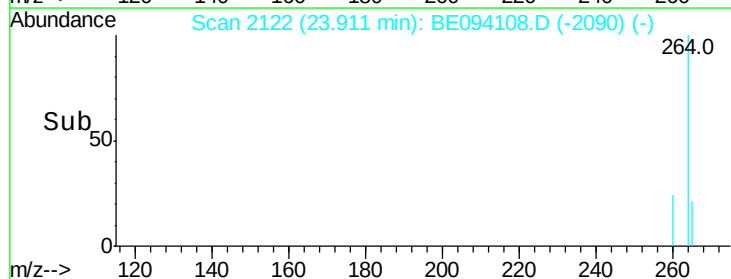
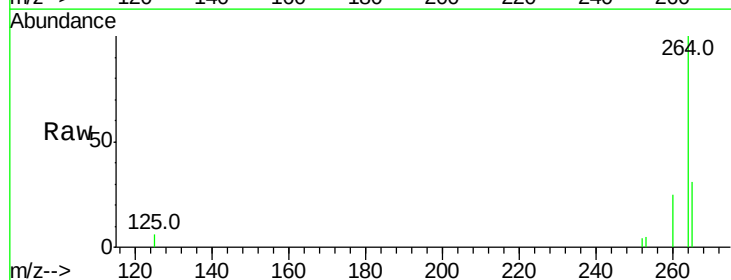
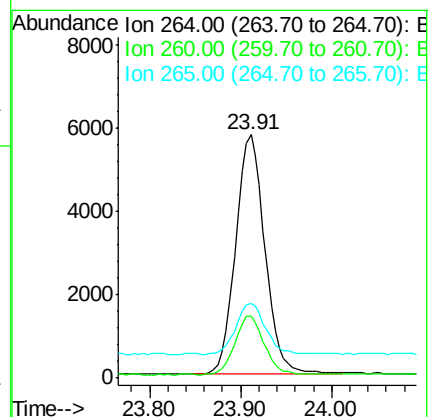
Tgt Ion:264 Resp: 12847

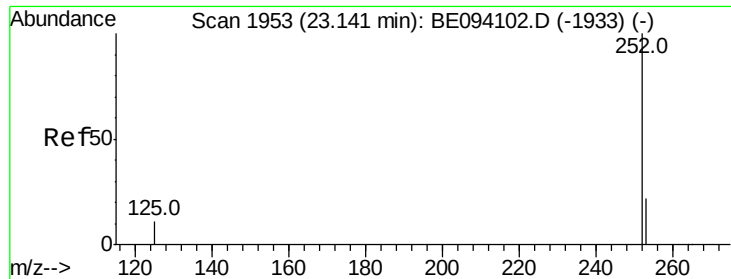
Ion Ratio Lower Upper

264 100

260 25.4 20.5 30.7

265 30.7 22.8 34.2





#35

Benzo(b)fluoranthene

Concen: 0.365 ng

RT: 23.14 min Scan# 1952

Delta R.T. -0.00 min

Lab File: BE094108.D

Acq: 25 Sep 2017 18:39

Instrument :

BNA_E

ClientSampleId :

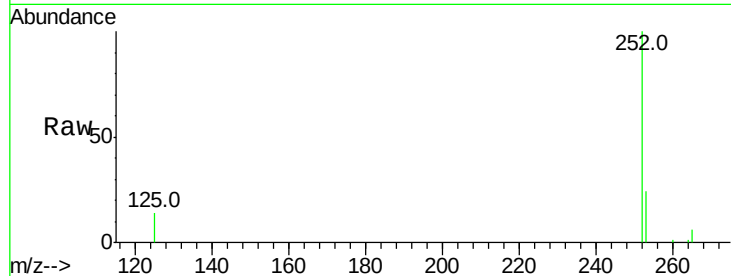
Tot Ion:252 Resp: 16896

Ion Ratio Lower Upper

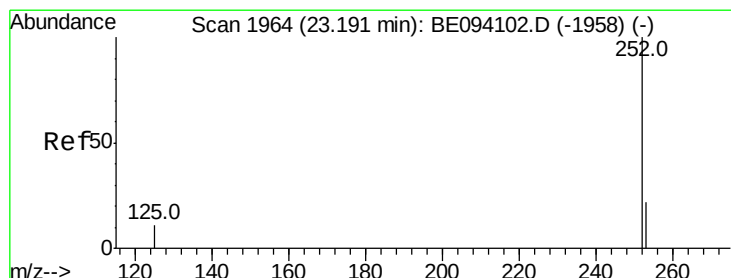
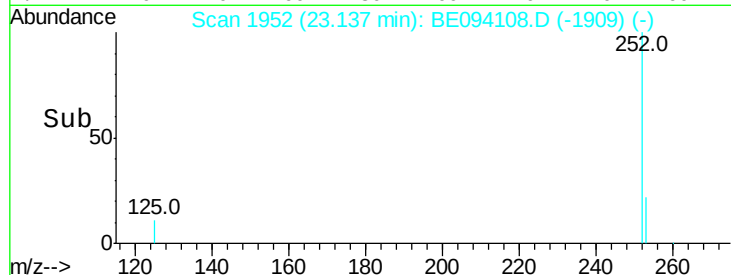
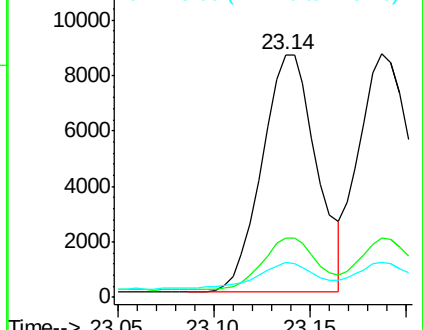
252 100

253 24.4 18.2 27.2

125 14.2 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: 0.376 ng

RT: 23.19 min Scan# 1963

Delta R.T. -0.00 min

Lab File: BE094108.D

Acq: 25 Sep 2017 18:39

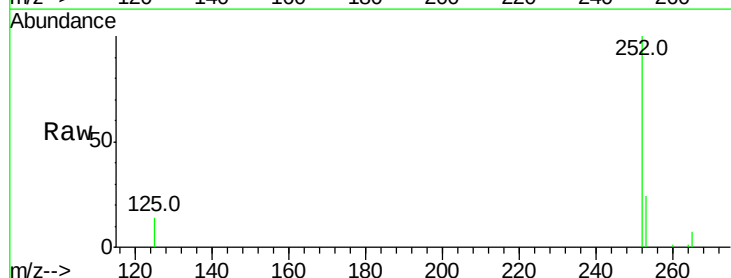
Tgt Ion:252 Resp: 16685

Ion Ratio Lower Upper

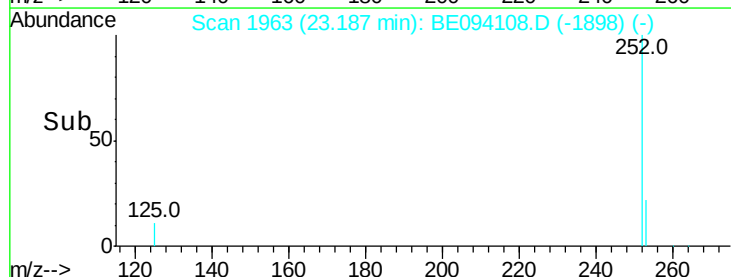
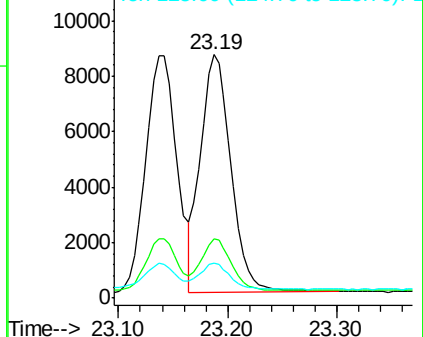
252 100

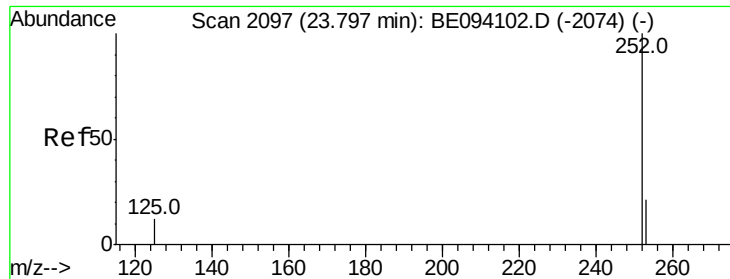
253 24.4 18.6 27.8

125 14.3 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: 0.382 ng

RT: 23.80 min Scan# 2097

Delta R.T. 0.00 min

Lab File: BE094108.D

Acq: 25 Sep 2017 18:39

Instrument :

BNA_E

ClientSampleId :

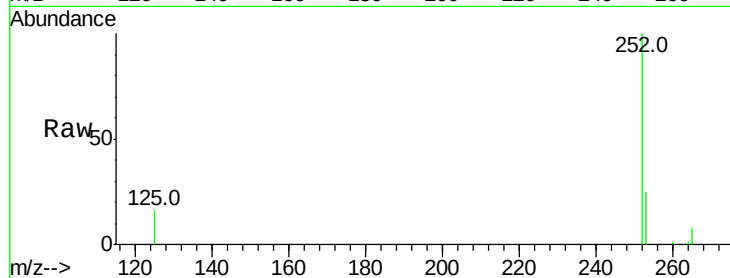
Tot Ion:252 Resp: 16003

Ion Ratio Lower Upper

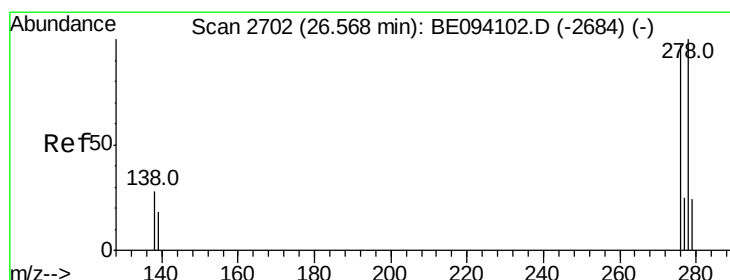
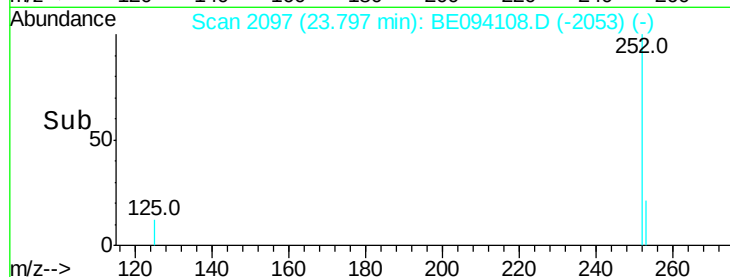
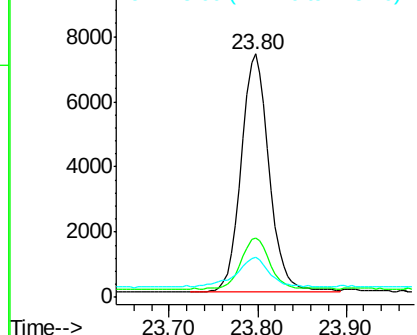
252 100

253 24.6 19.0 28.6

125 16.4 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: 0.379 ng

RT: 26.57 min Scan# 2702

Delta R.T. 0.00 min

Lab File: BE094108.D

Acq: 25 Sep 2017 18:39

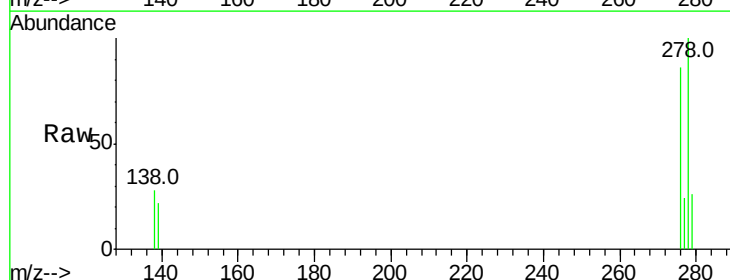
Tgt Ion:278 Resp: 15035

Ion Ratio Lower Upper

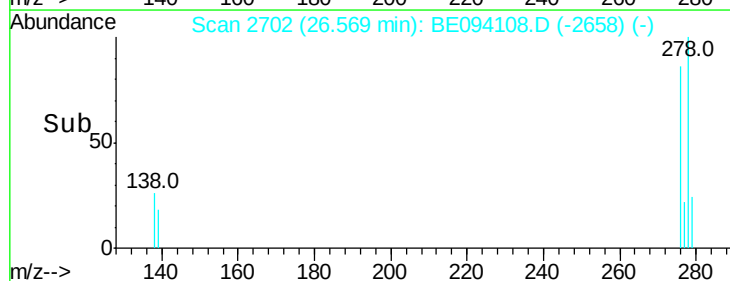
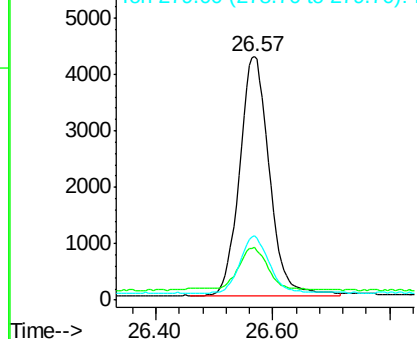
278 100

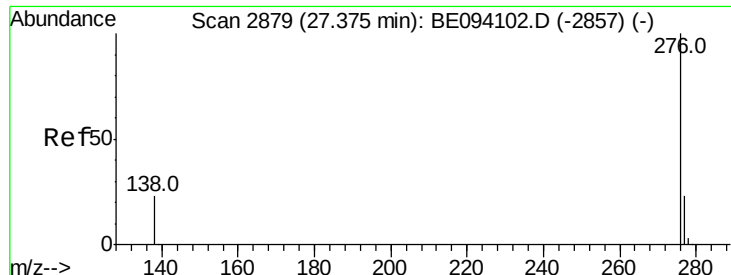
139 21.7 16.3 24.5

279 26.4 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: 0.381 ng

RT: 27.37 min Scan# 2878

Delta R.T. -0.00 min

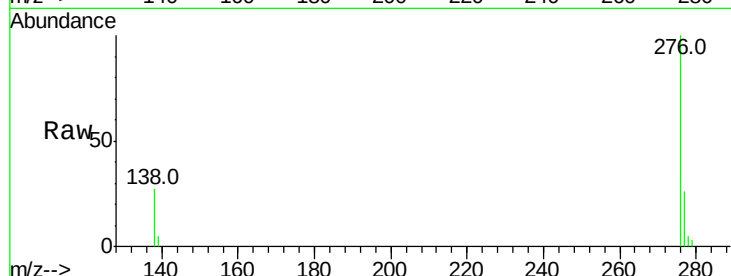
Lab File: BE094108.D

Acq: 25 Sep 2017 18:39

Instrument :

BNA_E

ClientSampleId :



Tot Ion:276 Resp: 14941

Ion Ratio Lower Upper

276 100

277 26.4 20.8 31.2

138 27.3 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

