

Data Path : Z:\HPCHEM1\BNA E\DATA\BE092517\
 Data File : BE094106.D
 Acq On : 25 Sep 2017 17:22
 Operator : SJ/JU
 Sample : SSTDICV0.4
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Sep 25 17:58:08 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	1256	0.40	ng	0.00
7) Naphthalene-d8	10.69	136	5471	0.40	ng	0.00
13) Acenaphthene-d10	14.51	164	3106	0.40	ng	0.00
19) Phenanthrene-d10	17.24	188	11728	0.40	ng	0.00
27) Chrysene-d12	21.40	240	12985	0.40	ng	0.00
34) Perylene-d12	23.91	264	12713	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.50	112	1797	0.38	ng	0.00
5) Phenol-d6	7.09	99	2464	0.37	ng	0.00
8) Nitrobenzene-d5	9.06	82	2007	0.38	ng	0.00
11) 2-Methylnaphthalene-d10	12.28	152	3362	0.40	ng	0.00
14) 2,4,6-Tribromophenol	16.00	330	548	0.30	ng	0.00
15) 2-Fluorobiphenyl	13.15	172	4366	0.43	ng	0.02
25) Fluoranthene-d10	19.27	212	46463	0.41	ng	0.00
29) Terphenyl-d14	19.85	244	8646	0.36	ng	0.00

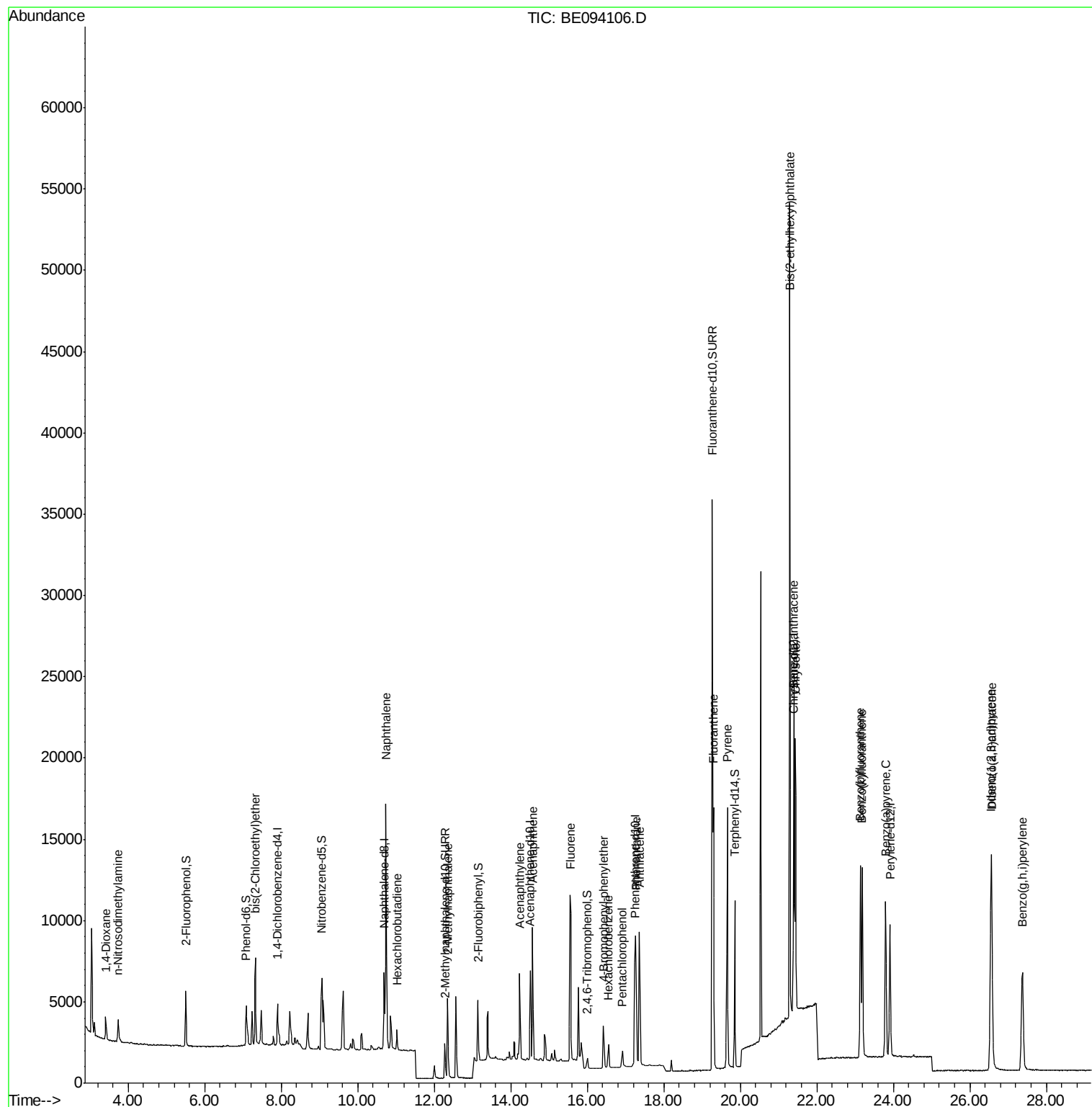
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.41	88	820	0.335	ng	# 87
3) n-Nitrosodimethylamine	3.73	42	1072	0.343	ng	# 95
6) bis(2-Chloroethyl)ether	7.33	93	1957	0.382	ng	95
9) Naphthalene	10.74	128	24866	0.403	ng	100
10) Hexachlorobutadiene	11.02	225	918	0.396	ng	97
12) 2-Methylnaphthalene	12.35	142	3957	0.396	ng	99
16) Acenaphthylene	14.23	152	6249	0.401	ng	99
17) Acenaphthene	14.57	154	4133	0.425	ng	97
18) Fluorene	15.56	166	5394	0.409	ng	98
20) 4-Bromophenyl-phenylether	16.42	248	1915	0.398	ng	# 85
21) Hexachlorobenzene	16.55	284	1334	0.439	ng	# 86
22) Pentachlorophenol	16.91	266	1011	0.363	ng	# 74
23) Phenanthrene	17.27	178	12090	0.403	ng	98
24) Anthracene	17.37	178	12544	0.398	ng	98
26) Fluoranthene	19.30	202	13943	0.415	ng	100
28) Pyrene	19.66	202	15247	0.371	ng	100
30) Benzo(a)anthracene	21.38	228	17368	0.397	ng	97
31) Chrysene	21.44	228	17018	0.403	ng	97
32) Bis(2-ethylhexyl)phthalate	21.29	149	55438	0.269	ng	100
33) Indeno(1,2,3-cd)pyrene	26.55	276	17850	0.395	ng	99
35) Benzo(b)fluoranthene	23.14	252	17055	0.372	ng	97
36) Benzo(k)fluoranthene	23.19	252	16959	0.386	ng	98
37) Benzo(a)pyrene	23.80	252	16150	0.390	ng	97
38) Dibenzo(a,h)anthracene	26.56	278	15351	0.391	ng	98
39) Benzo(g,h,i)perylene	27.37	276	15362	0.395	ng	99

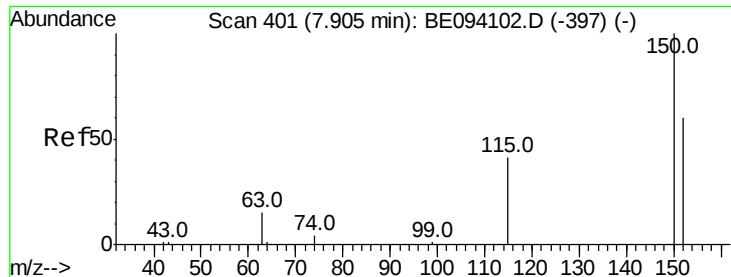
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Sep 25 17:37:08 2017
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.91 min Scan# 401

Delta R.T. 0.00 min

Lab File: BE094106.D

Acq: 25 Sep 2017 17:22

Instrument :

BNA_E

ClientSampleId :

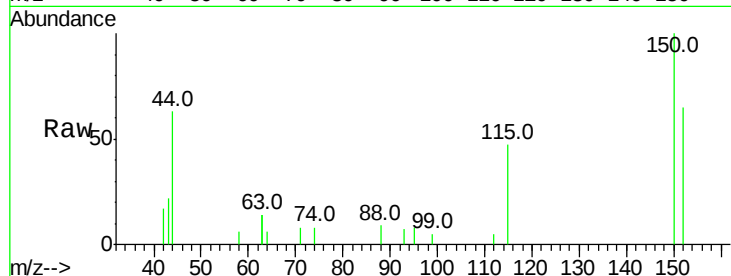
Tot Ion:152 Resp: 1256

Ion Ratio Lower Upper

152 100

150 153.6 117.2 175.8

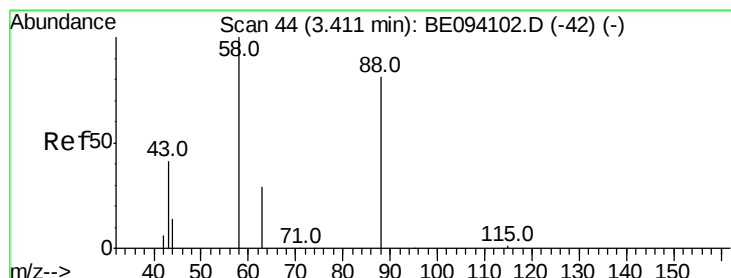
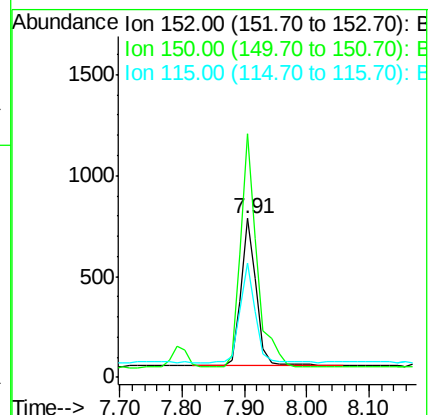
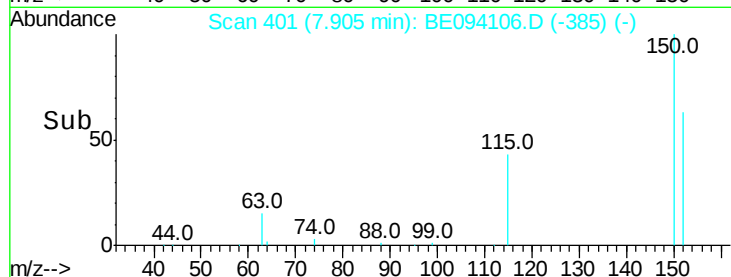
115 72.3 57.0 85.6



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 0.335 ng

RT: 3.41 min Scan# 44

Delta R.T. 0.00 min

Lab File: BE094106.D

Acq: 25 Sep 2017 17:22

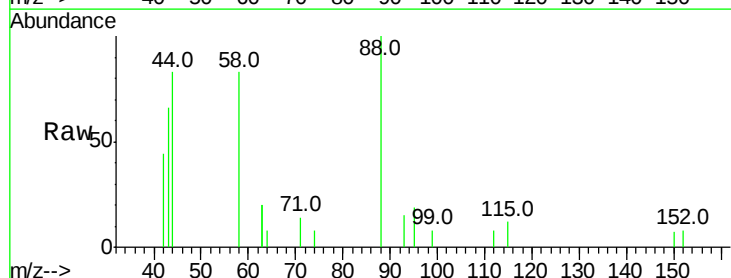
Tgt Ion: 88 Resp: 820

Ion Ratio Lower Upper

88 100

58 95.9 63.2 94.8#

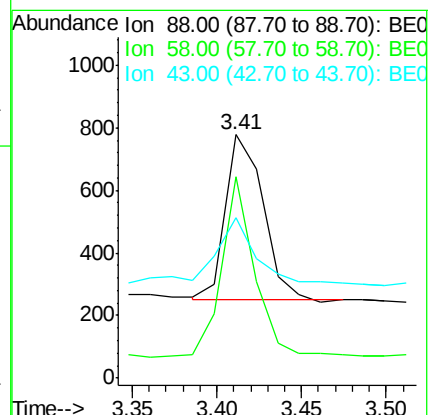
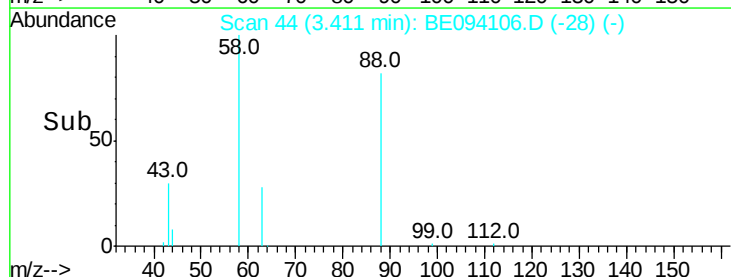
43 48.7 41.2 61.8

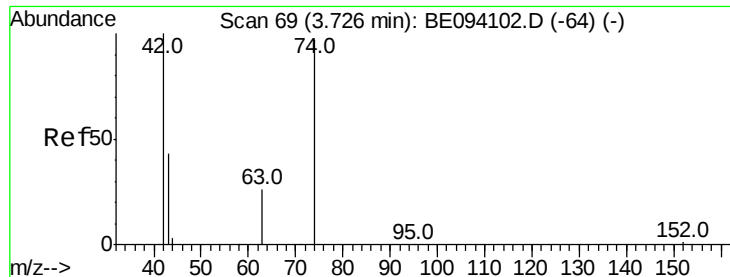


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0



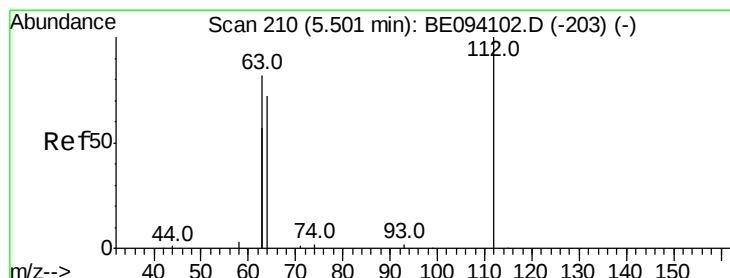
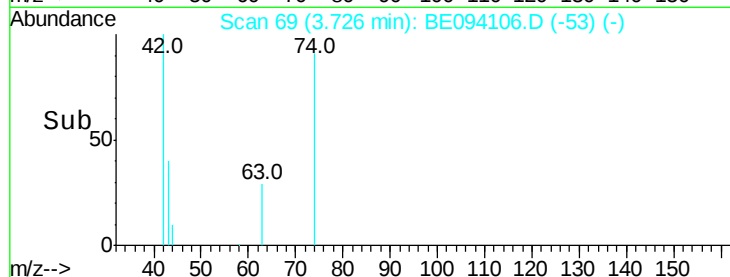
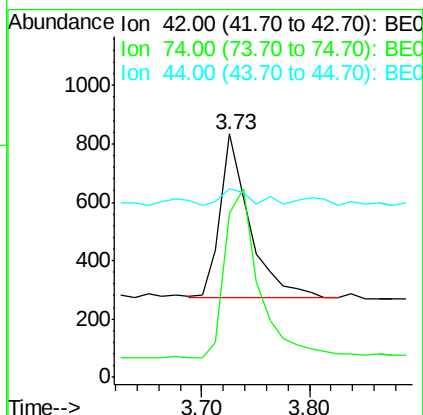
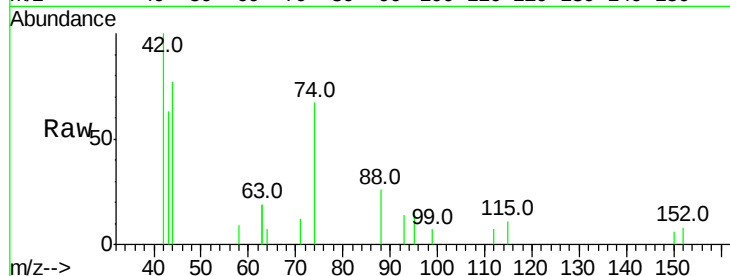


#3

n-Nitrosodimethylamine
 Concen: 0.343 ng
 RT: 3.73 min Scan# 69
 Delta R.T. 0.00 min
 Lab File: BE094106.D
 Acq: 25 Sep 2017 17:22

Instrument :
 BNA_E
 ClientSampled :

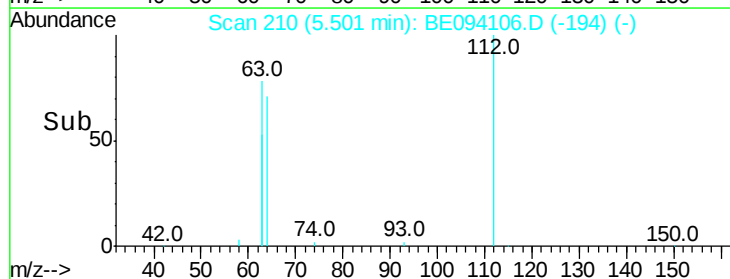
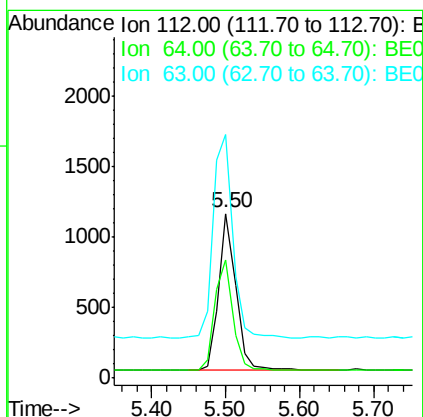
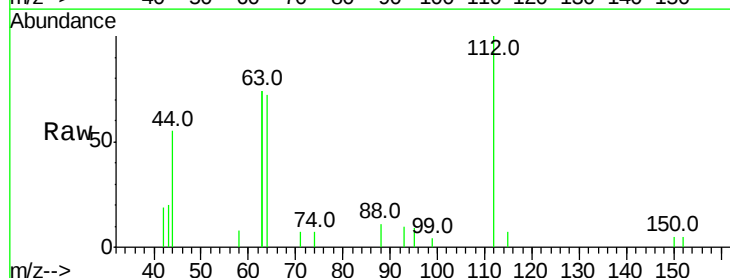
Tot Ion: 42 Resp: 1072
 Ion Ratio Lower Upper
 42 100
 74 122.6 100.3 150.5
 44 11.5 17.0 25.4#

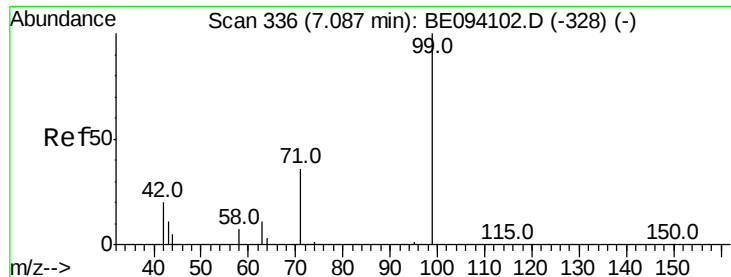


#4

2-Fluorophenol
 Concen: 0.377 ng
 RT: 5.50 min Scan# 210
 Delta R.T. 0.00 min
 Lab File: BE094106.D
 Acq: 25 Sep 2017 17:22

Tgt Ion: 112 Resp: 1797
 Ion Ratio Lower Upper
 112 100
 64 74.8 60.1 90.1
 63 148.0 116.8 175.2





#5

Phenol-d6

Concen: 0.373 ng

RT: 7.09 min Scan# 336

Delta R.T. 0.00 min

Lab File: BE094106.D

Acq: 25 Sep 2017 17:22

Instrument :

BNA_E

ClientSampleId :

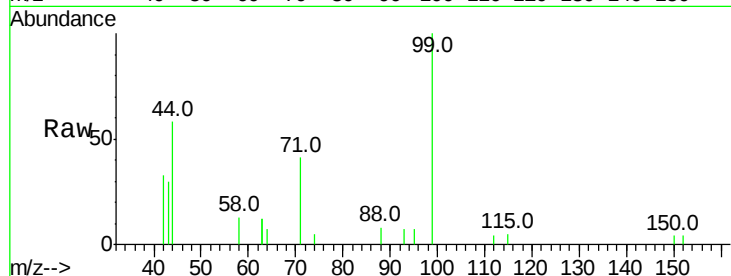
Tot Ion: 99 Resp: 2464

Ion Ratio Lower Upper

99 100

42 23.0 20.2 30.2

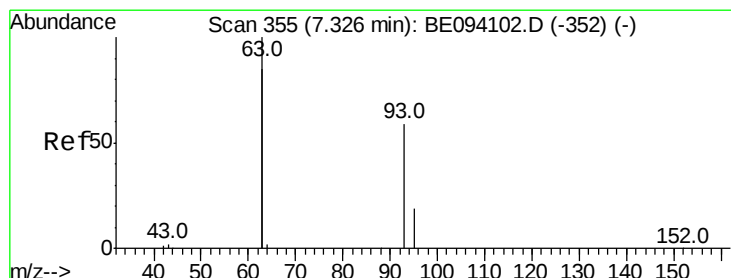
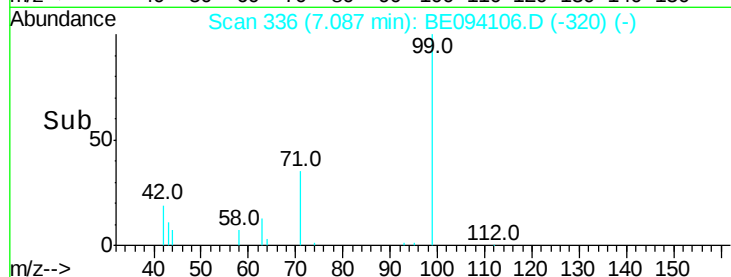
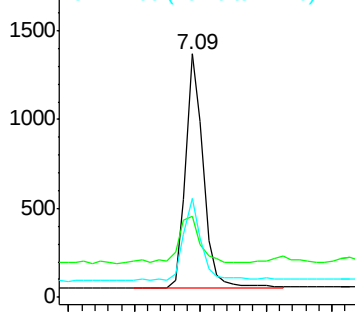
71 35.2 28.4 42.6



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: 0.382 ng

RT: 7.33 min Scan# 355

Delta R.T. 0.00 min

Lab File: BE094106.D

Acq: 25 Sep 2017 17:22

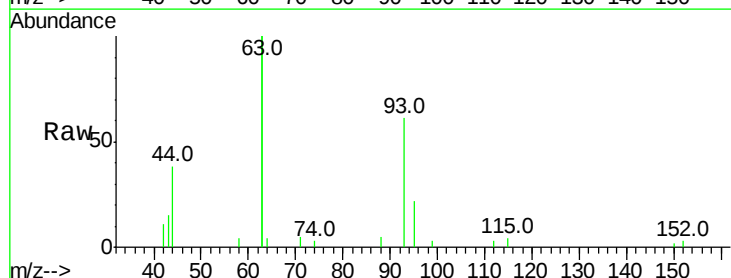
Tgt Ion: 93 Resp: 1957

Ion Ratio Lower Upper

93 100

63 354.6 275.3 412.9

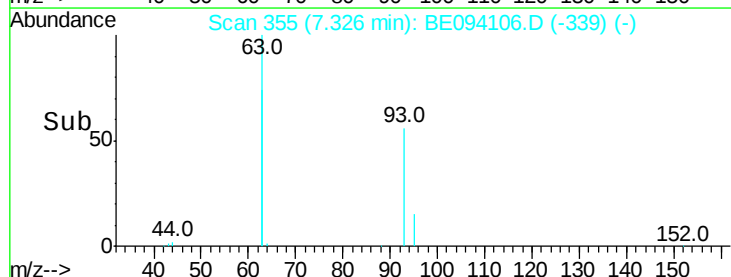
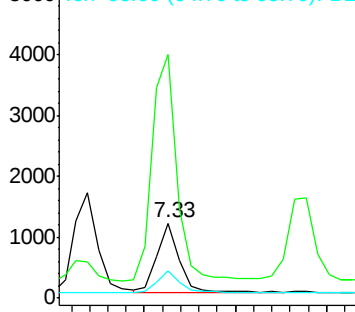
95 31.1 25.2 37.8

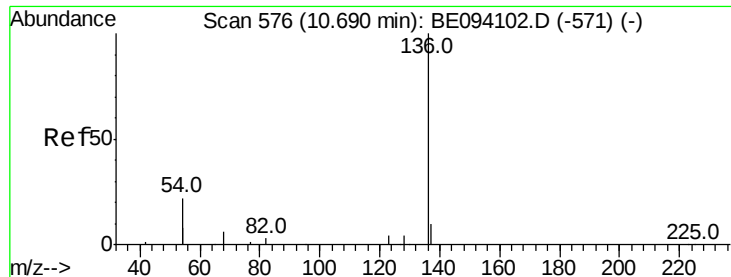


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: BE094106.D

Acq: 25 Sep 2017 17:22

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 5471

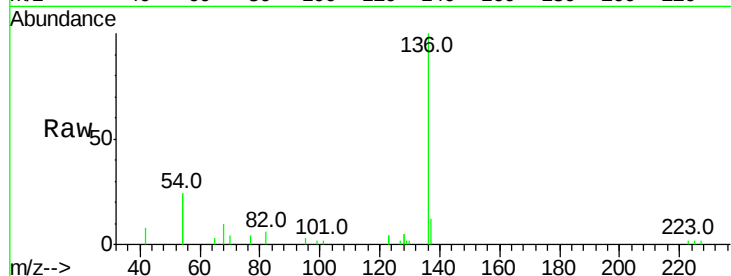
Ion Ratio Lower Upper

136 100

137 12.0 9.5 14.3

54 49.0 29.1 43.7#

68 10.3 6.2 9.2#

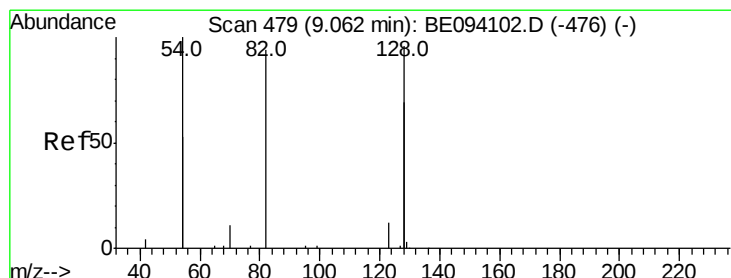
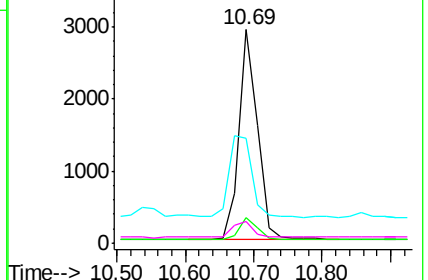
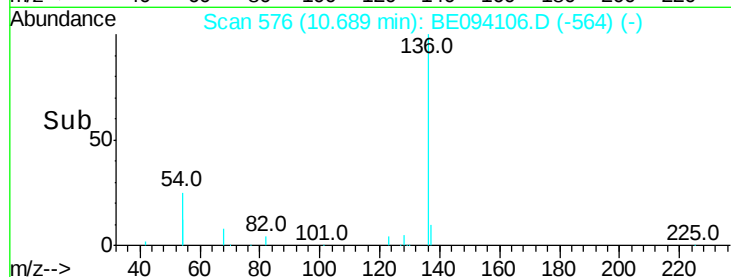


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.379 ng

RT: 9.06 min Scan# 479

Delta R.T. -0.00 min

Lab File: BE094106.D

Acq: 25 Sep 2017 17:22

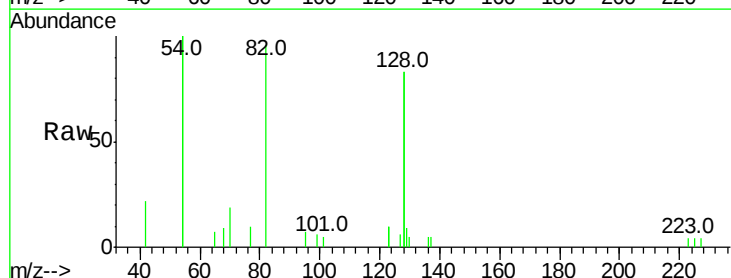
Tgt Ion: 82 Resp: 2007

Ion Ratio Lower Upper

82 100

128 172.0 150.0 225.0

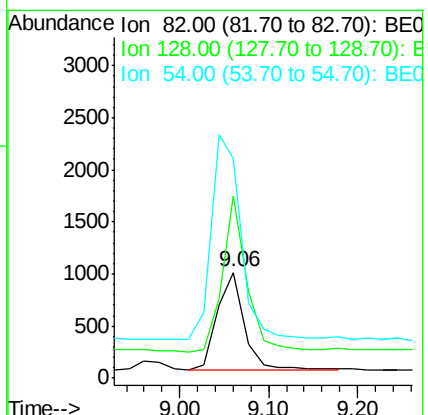
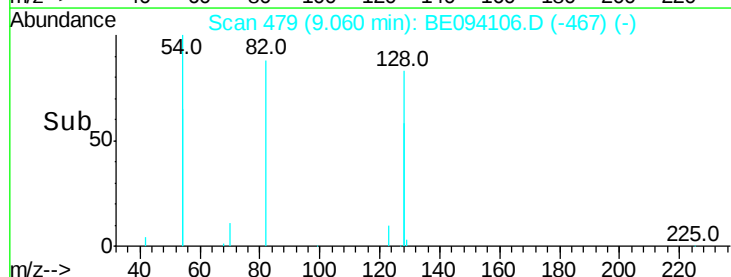
54 207.7 154.2 231.4

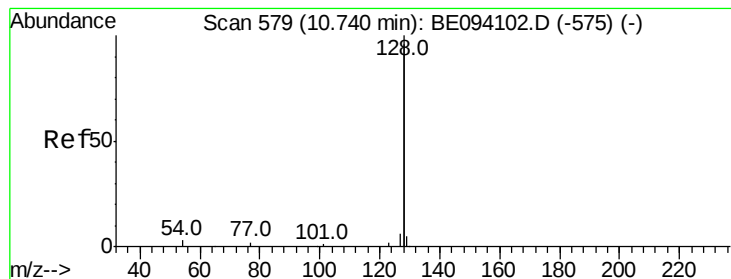


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.403 ng

RT: 10.74 min Scan# 579

Delta R.T. -0.00 min

Lab File: BE094106.D

Acq: 25 Sep 2017 17:22

Instrument :

BNA_E

ClientSampleId :

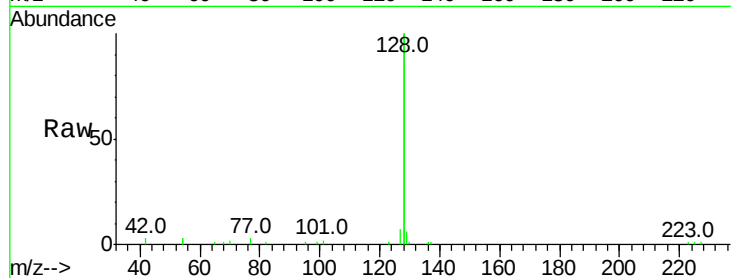
Tot Ion:128 Resp: 24866

Ion Ratio Lower Upper

128 100

129 3.2 2.6 3.8

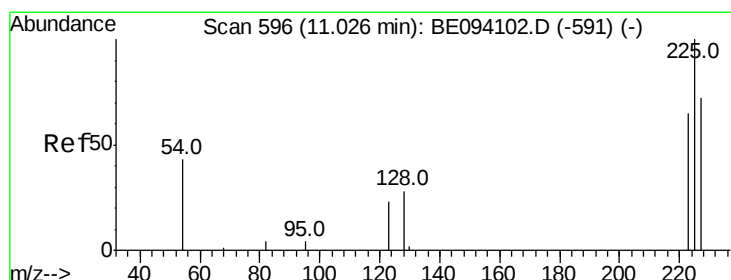
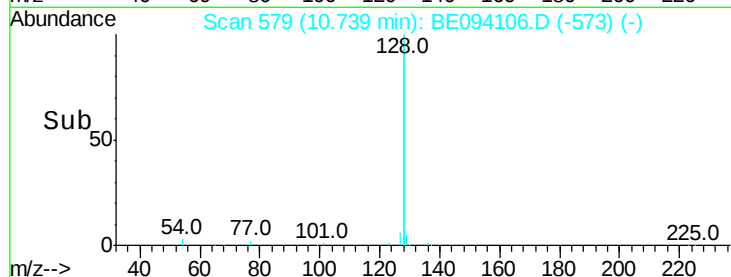
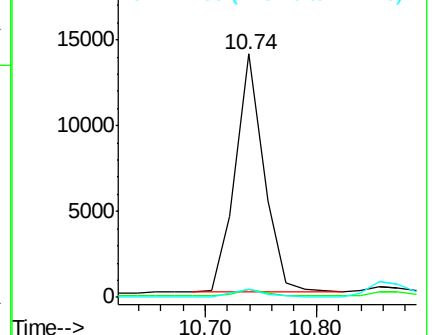
127 3.6 2.8 4.2



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: 0.396 ng

RT: 11.02 min Scan# 596

Delta R.T. -0.00 min

Lab File: BE094106.D

Acq: 25 Sep 2017 17:22

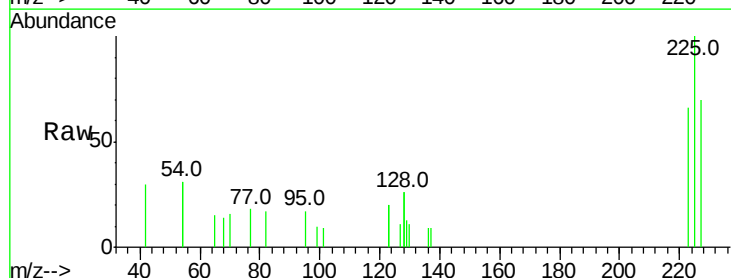
Tgt Ion:225 Resp: 918

Ion Ratio Lower Upper

225 100

223 62.7 53.0 79.6

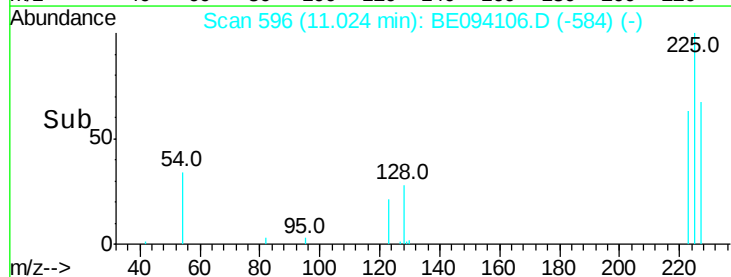
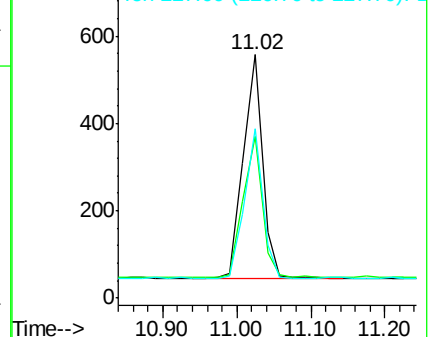
227 63.3 51.4 77.2

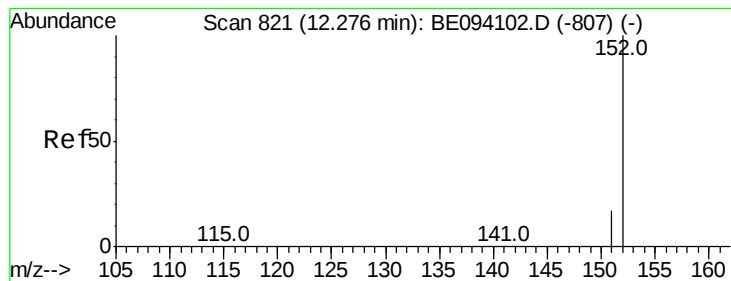


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.399 ng

RT: 12.28 min Scan# 821

Delta R.T. 0.00 min

Lab File: BE094106.D

Acq: 25 Sep 2017 17:22

Instrument :

BNA_E

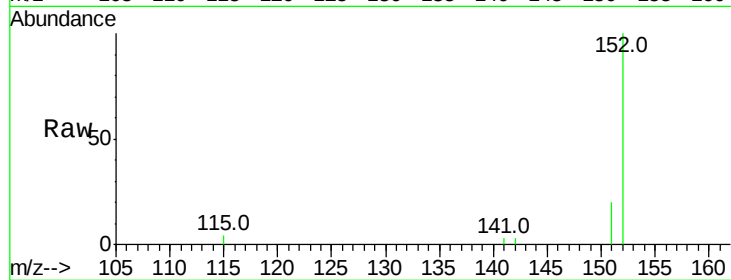
ClientSampleId :

Tot Ion:152 Resp: 3362

Ion Ratio Lower Upper

152 100

151 19.4 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.28

2000

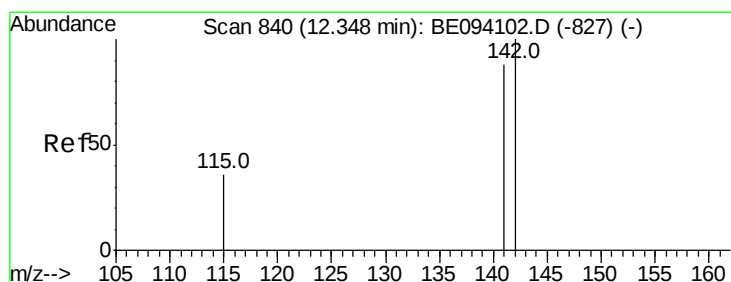
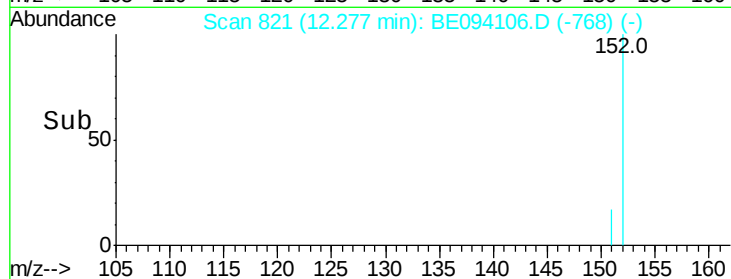
1500

1000

500

0

Time--> 12.20 12.30 12.40



#12

2-Methylnaphthalene

Concen: 0.396 ng

RT: 12.35 min Scan# 840

Delta R.T. 0.00 min

Lab File: BE094106.D

Acq: 25 Sep 2017 17:22

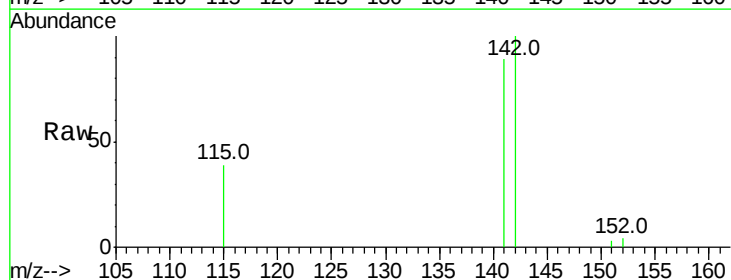
Tgt Ion:142 Resp: 3957

Ion Ratio Lower Upper

142 100

141 88.6 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

12.35

3000

2500

2000

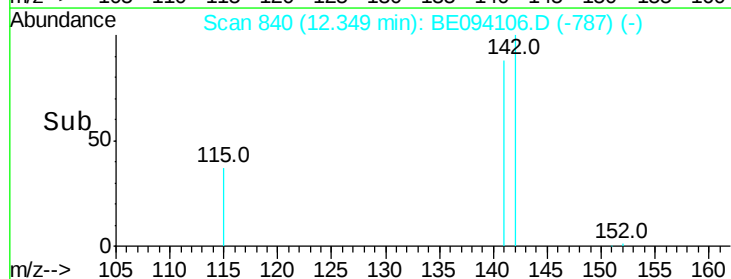
1500

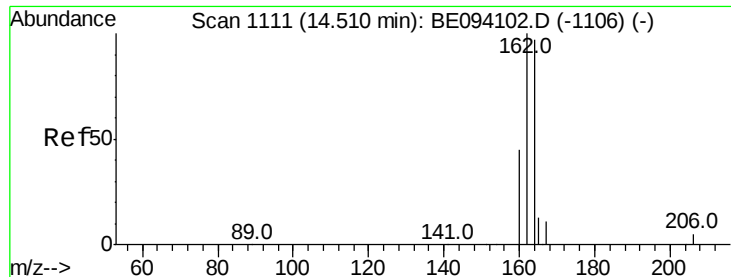
1000

500

0

Time--> 12.30 12.40

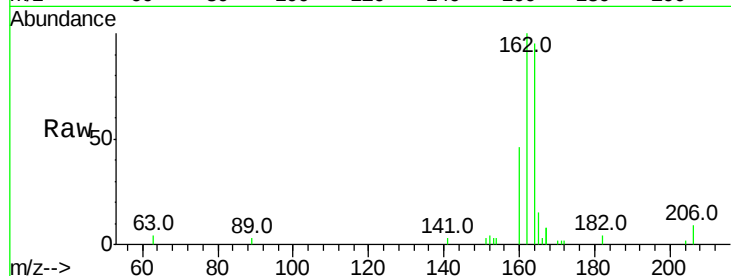




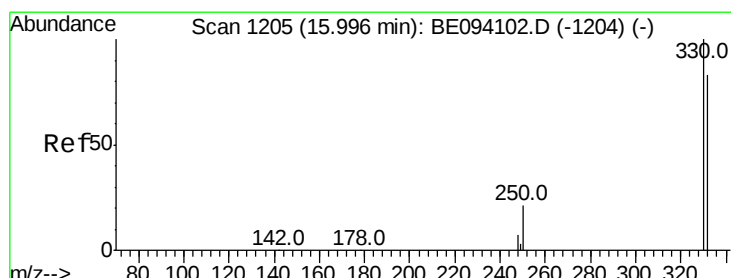
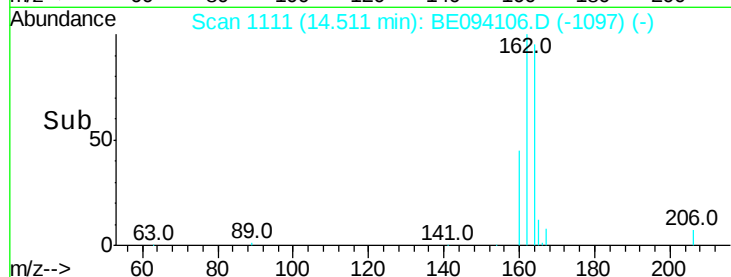
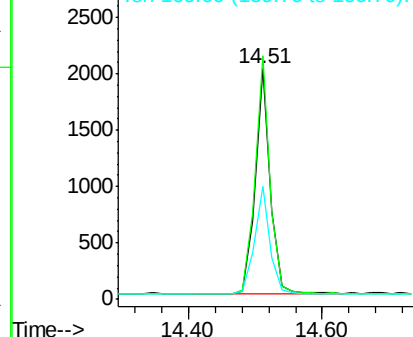
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.51 min Scan# 1111
Delta R.T. 0.00 min
Lab File: BE094106.D
Acq: 25 Sep 2017 17:22

Instrument :
BNA_E
ClientSampleId :

Tot Ion:164 Resp: 3106
Ion Ratio Lower Upper
164 100
162 105.5 83.1 124.7
160 48.8 37.1 55.7

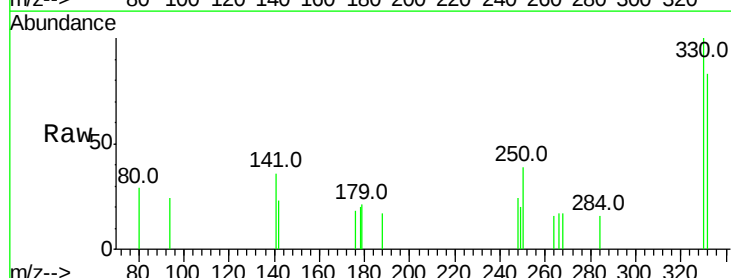


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

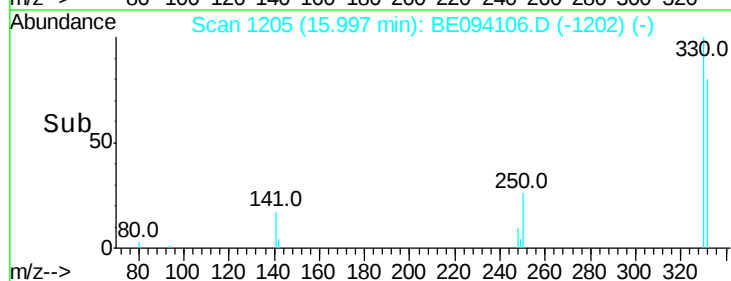
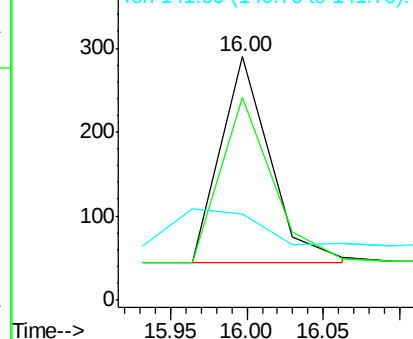


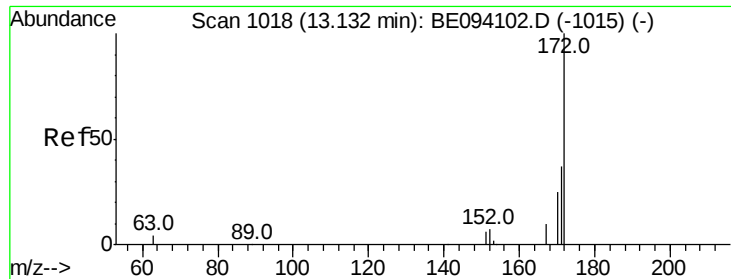
#14
2,4,6-Tribromophenol
Concen: 0.298 ng
RT: 16.00 min Scan# 1205
Delta R.T. 0.00 min
Lab File: BE094106.D
Acq: 25 Sep 2017 17:22

Tgt Ion:330 Resp: 548
Ion Ratio Lower Upper
330 100
332 84.5 152.7 229.1#
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

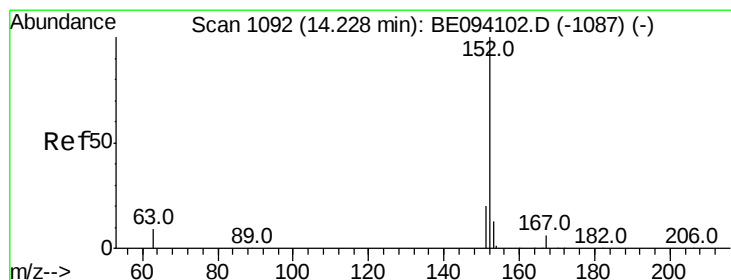
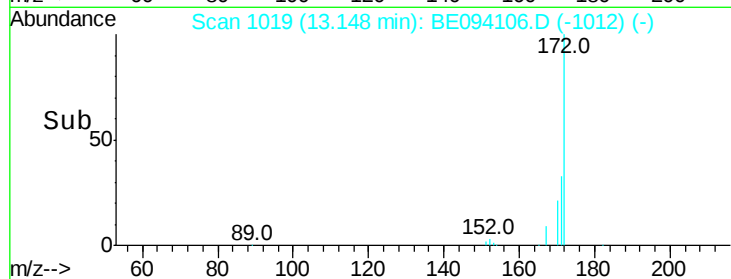
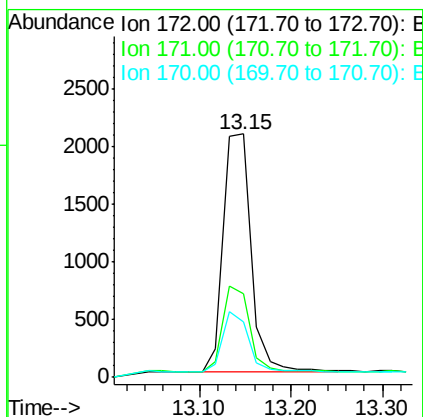
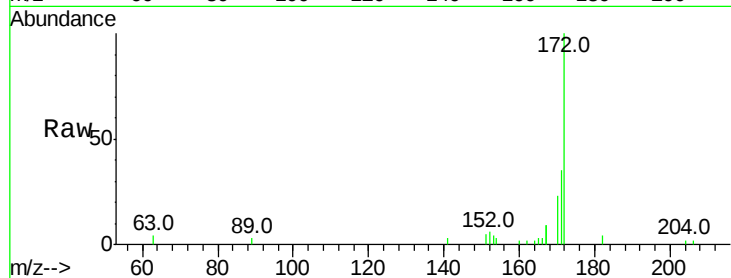




#15
2-Fluorobiphenyl
Concen: 0.425 ng
RT: 13.15 min Scan# 1019
Delta R.T. 0.02 min
Lab File: BE094106.D
Acq: 25 Sep 2017 17:22

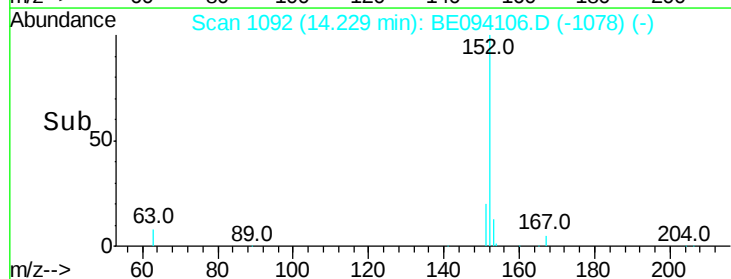
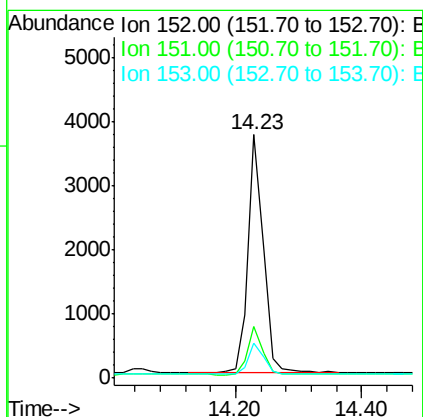
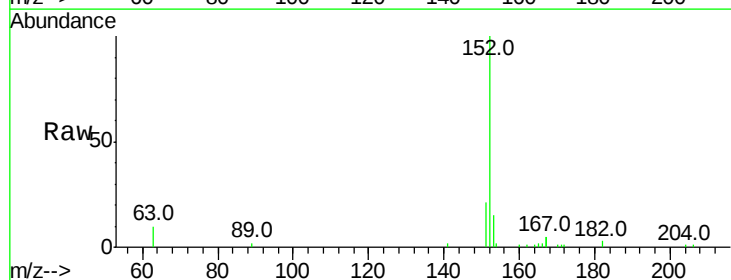
Instrument :
BNA_E
ClientSampled :

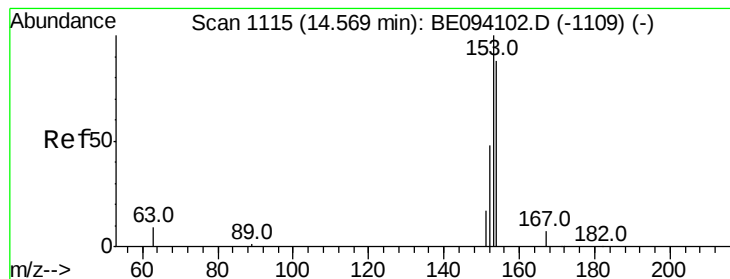
Tot Ion:172 Resp: 4366
Ion Ratio Lower Upper
172 100
171 34.6 29.9 44.9
170 22.7 21.8 32.8



#16
Acenaphthylene
Concen: 0.401 ng
RT: 14.23 min Scan# 1092
Delta R.T. 0.00 min
Lab File: BE094106.D
Acq: 25 Sep 2017 17:22

Tgt Ion:152 Resp: 6249
Ion Ratio Lower Upper
152 100
151 19.8 15.7 23.5
153 13.9 10.5 15.7





#17

Acenaphthene

Concen: 0.425 ng

RT: 14.57 min Scan# 1115

Delta R.T. 0.00 min

Lab File: BE094106.D

Acq: 25 Sep 2017 17:22

Instrument :

BNA_E

ClientSampleId :

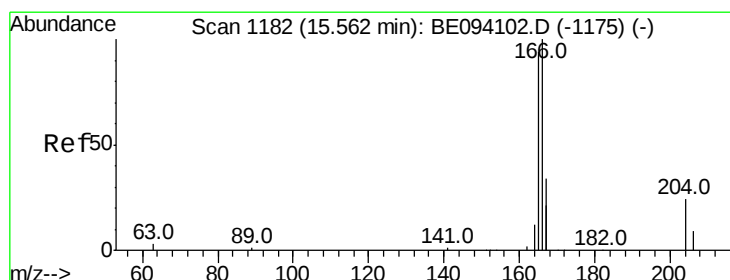
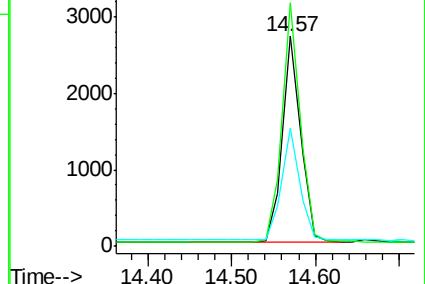
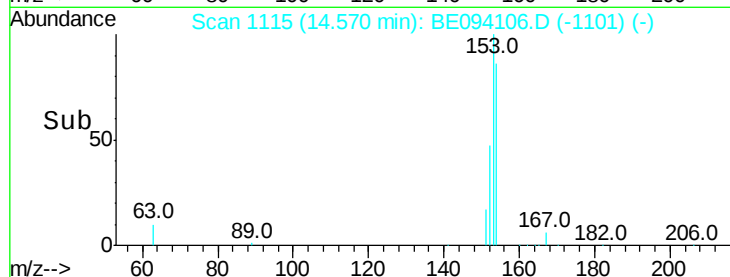
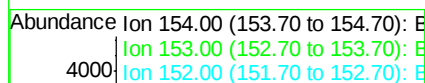
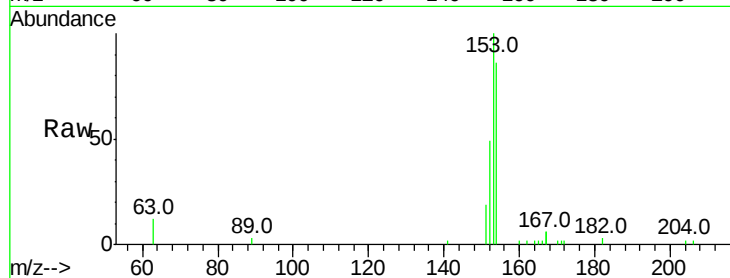
Tot Ion:154 Resp: 4133

Ion Ratio Lower Upper

154 100

153 114.4 89.2 133.8

152 54.1 42.0 63.0



#18

Fluorene

Concen: 0.409 ng

RT: 15.56 min Scan# 1182

Delta R.T. 0.00 min

Lab File: BE094106.D

Acq: 25 Sep 2017 17:22

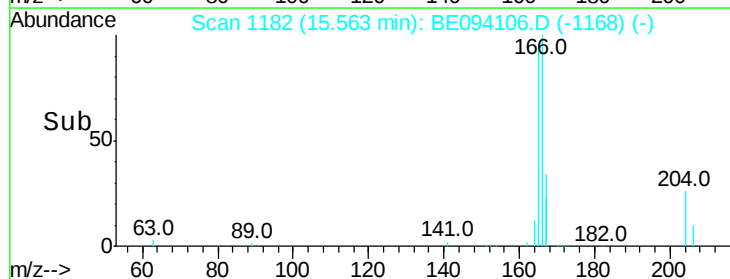
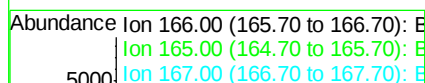
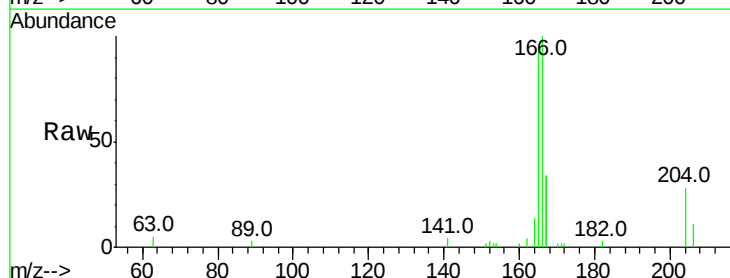
Tgt Ion:166 Resp: 5394

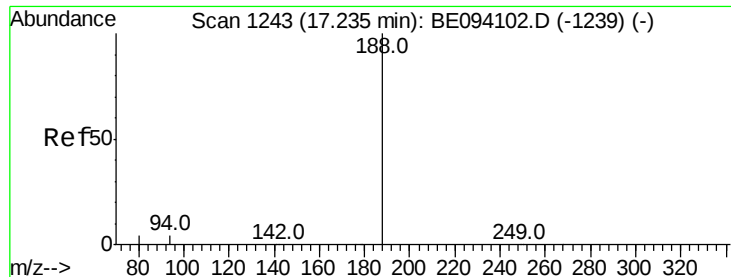
Ion Ratio Lower Upper

166 100

165 99.5 77.8 116.6

167 54.1 42.4 63.6

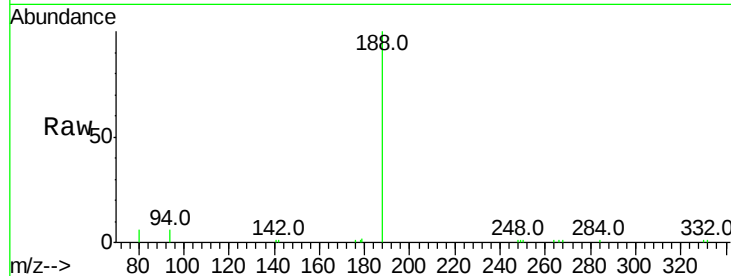




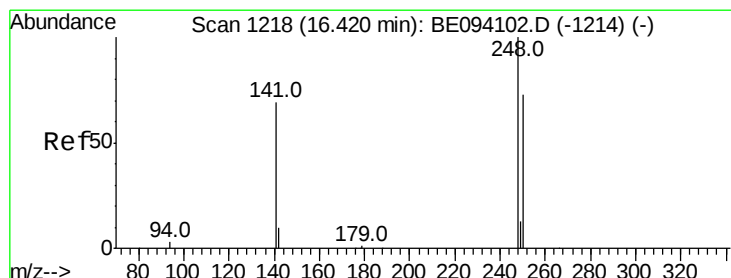
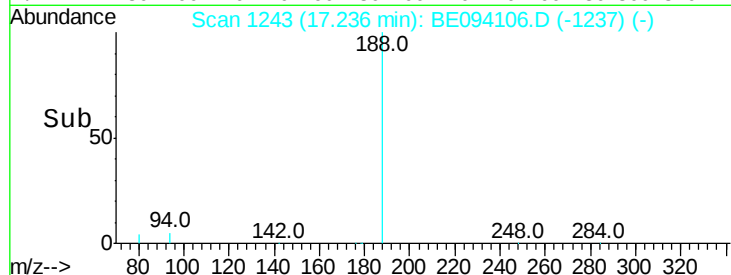
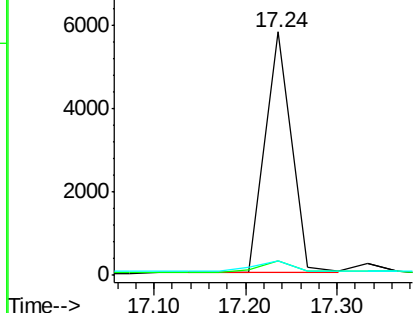
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.24 min Scan# 1243
Delta R.T. 0.00 min
Lab File: BE094106.D
Acq: 25 Sep 2017 17:22

Instrument :
BNA_E
ClientSampleId :

Tot Ion:188 Resp: 11728
Ion Ratio Lower Upper
188 100
94 6.1 3.9 5.9#
80 6.0 3.6 5.4#

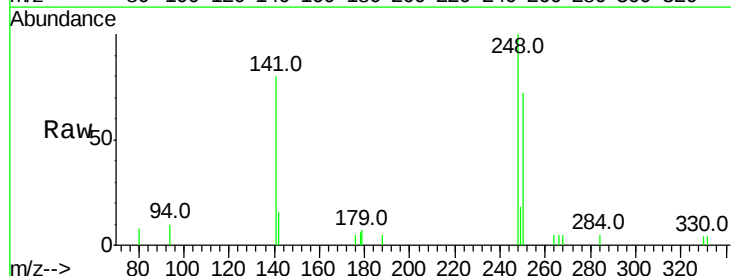


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BE0
Ion 80.00 (79.70 to 80.70): BE0

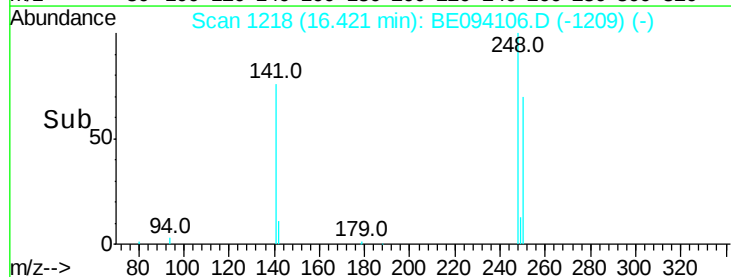
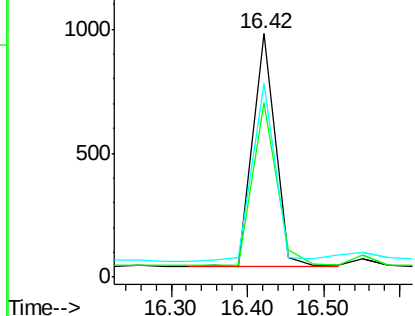


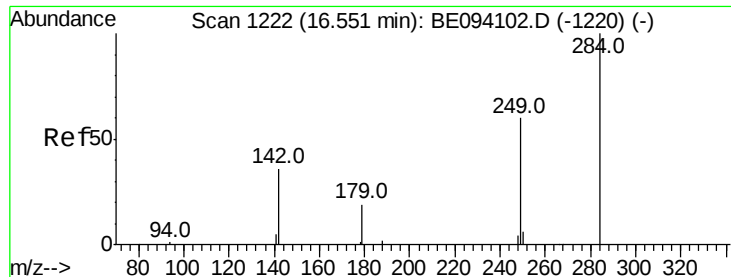
#20
4-Bromophenyl-phenylether
Concen: 0.398 ng
RT: 16.42 min Scan# 1218
Delta R.T. 0.00 min
Lab File: BE094106.D
Acq: 25 Sep 2017 17:22

Tgt Ion:248 Resp: 1915
Ion Ratio Lower Upper
248 100
250 71.9 62.7 94.1
141 79.6 48.2 72.2#



Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.439 ng

RT: 16.55 min Scan# 1222

Delta R.T. 0.00 min

Lab File: BE094106.D

Acq: 25 Sep 2017 17:22

Instrument :

BNA_E

ClientSampleId :

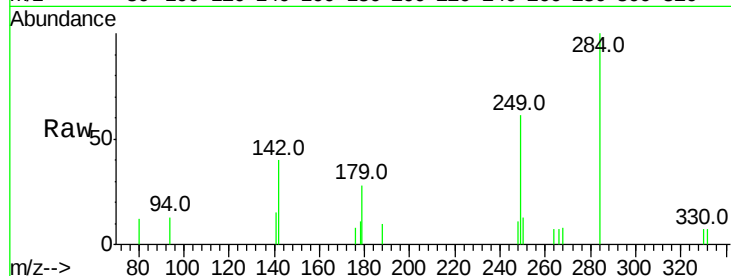
Tot Ion:284 Resp: 1334

Ion Ratio Lower Upper

284 100

142 35.5 22.1 33.1#

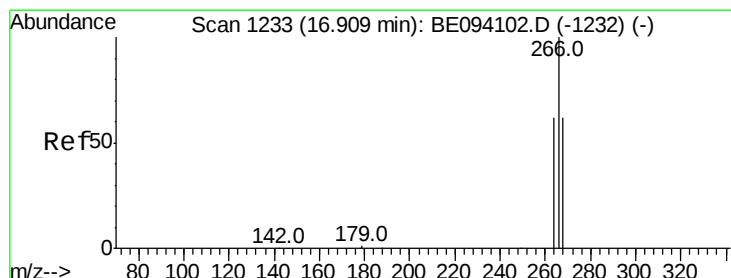
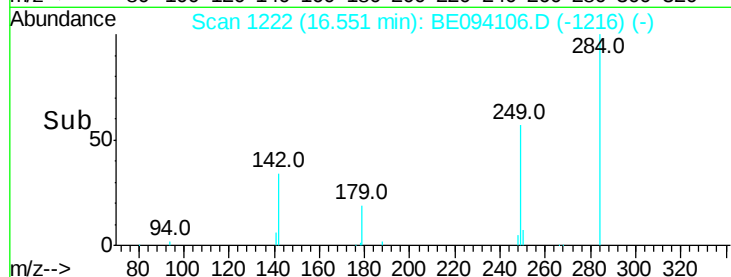
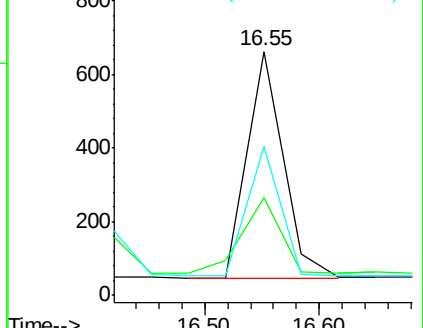
249 52.5 34.8 52.2#



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: 0.363 ng

RT: 16.91 min Scan# 1233

Delta R.T. 0.00 min

Lab File: BE094106.D

Acq: 25 Sep 2017 17:22

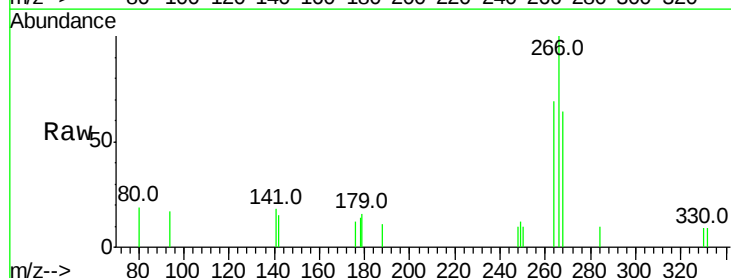
Tgt Ion:266 Resp: 1011

Ion Ratio Lower Upper

266 100

264 69.0 72.5 108.7#

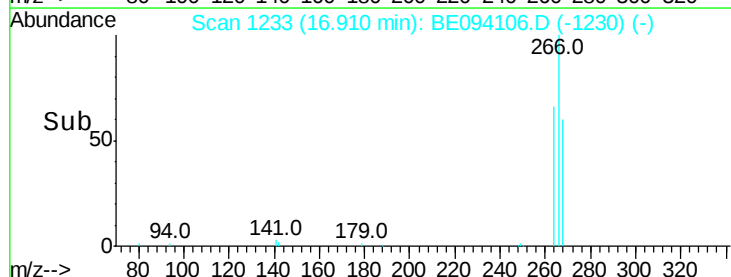
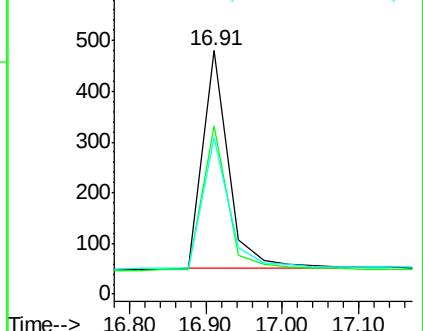
268 64.4 73.8 110.6#

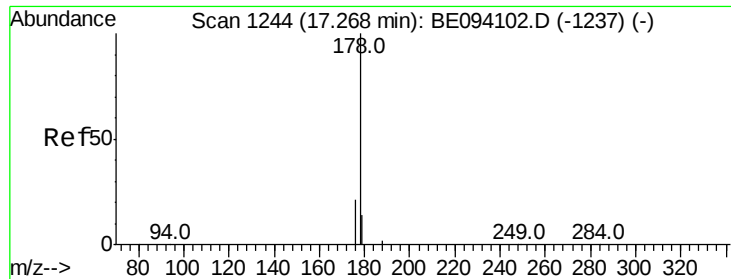


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.403 ng

RT: 17.27 min Scan# 1244

Delta R.T. 0.00 min

Lab File: BE094106.D

Acq: 25 Sep 2017 17:22

Instrument :

BNA_E

ClientSampleId :

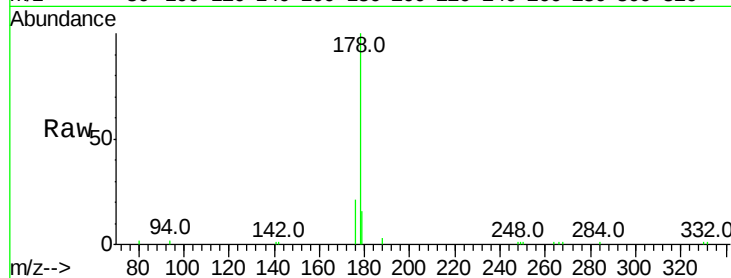
Tot Ion:178 Resp: 12090

Ion Ratio Lower Upper

178 100

176 20.3 15.1 22.7

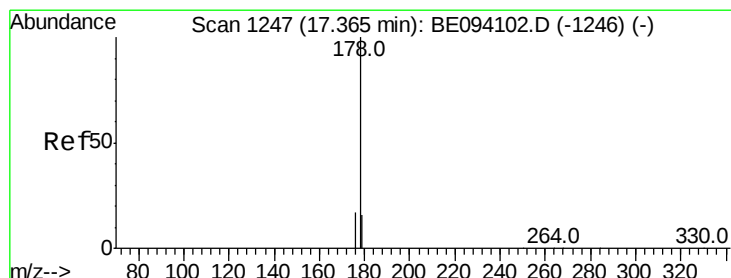
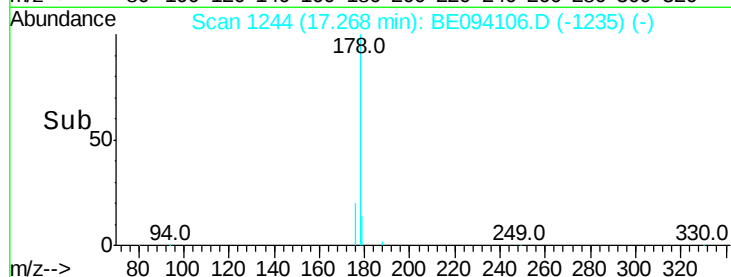
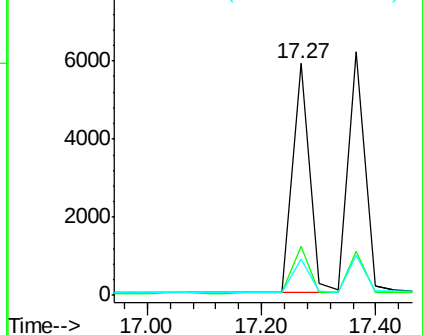
179 14.7 11.8 17.6



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: 0.398 ng

RT: 17.37 min Scan# 1247

Delta R.T. 0.00 min

Lab File: BE094106.D

Acq: 25 Sep 2017 17:22

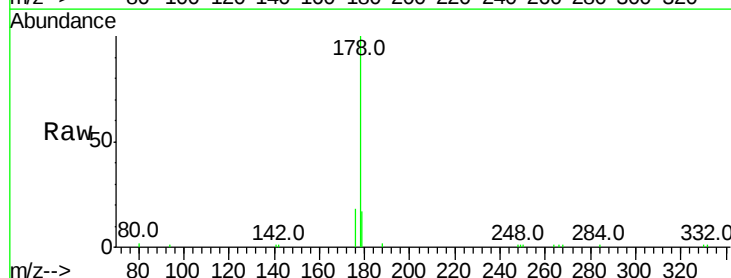
Tgt Ion:178 Resp: 12544

Ion Ratio Lower Upper

178 100

176 17.0 12.8 19.2

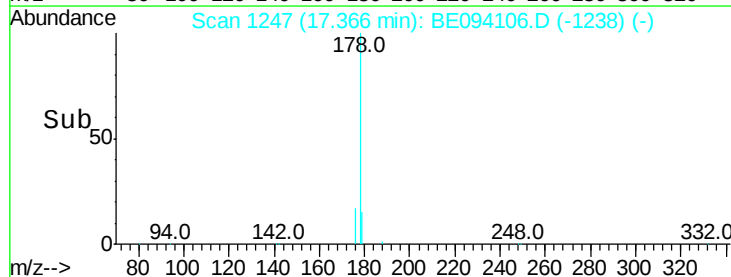
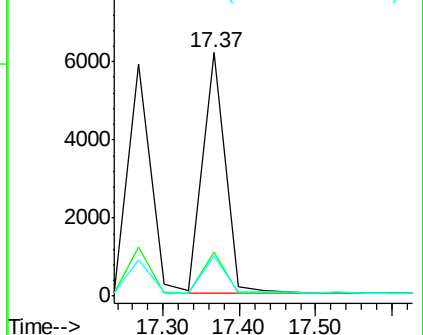
179 15.7 13.0 19.6

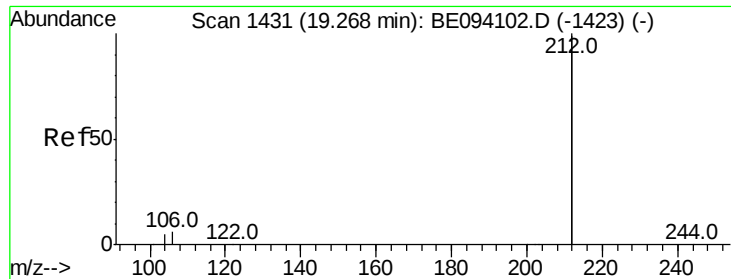


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.409 ng

RT: 19.27 min Scan# 1431

Delta R.T. -0.00 min

Lab File: BE094106.D

Acq: 25 Sep 2017 17:22

Instrument :

BNA_E

ClientSampleId :

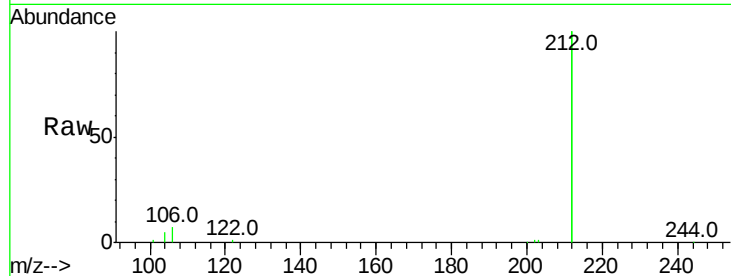
Tot Ion:212 Resp: 46463

Ion Ratio Lower Upper

212 100

106 3.4 2.8 4.2

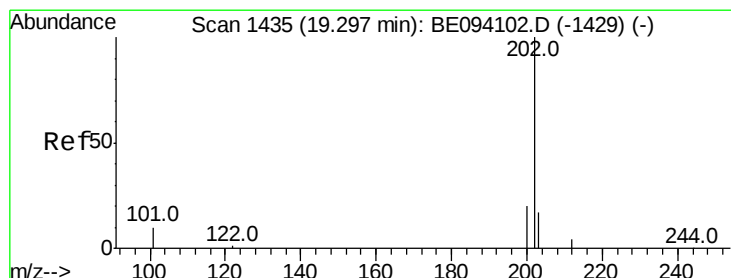
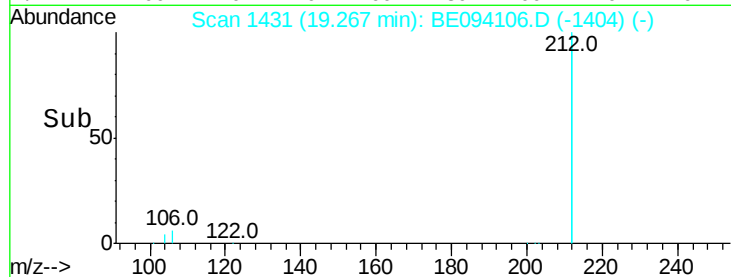
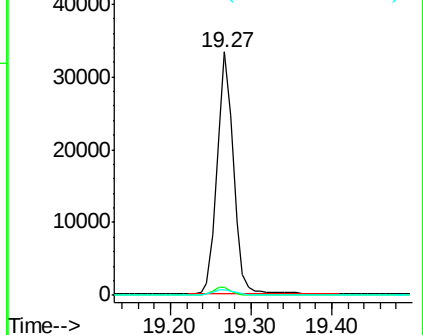
104 2.8 1.6 2.4#



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: 0.415 ng

RT: 19.30 min Scan# 1435

Delta R.T. -0.00 min

Lab File: BE094106.D

Acq: 25 Sep 2017 17:22

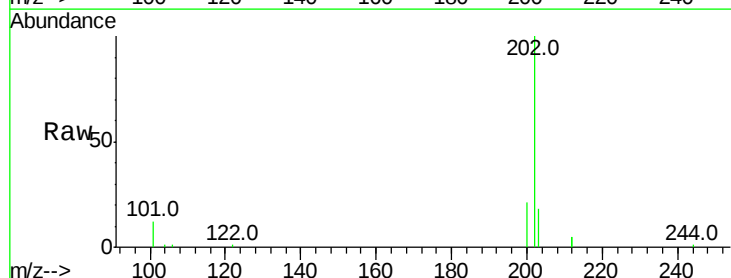
Tgt Ion:202 Resp: 13943

Ion Ratio Lower Upper

202 100

101 12.4 9.8 14.8

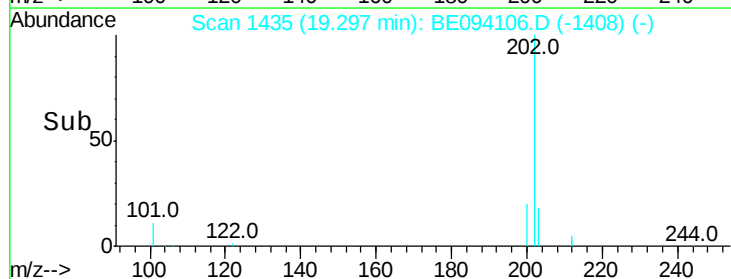
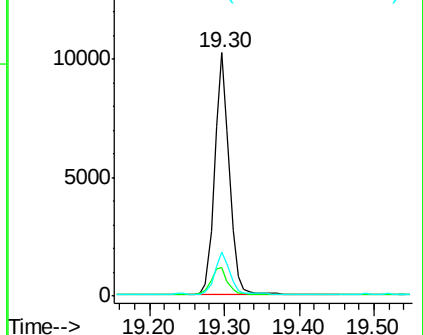
203 17.3 13.7 20.5

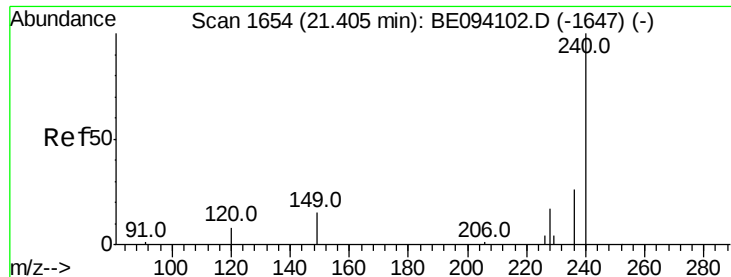


Abundance Ion 202.00 (201.70 to 202.70): E

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: BE094106.D

Acq: 25 Sep 2017 17:22

Instrument :

BNA_E

ClientSampleId :

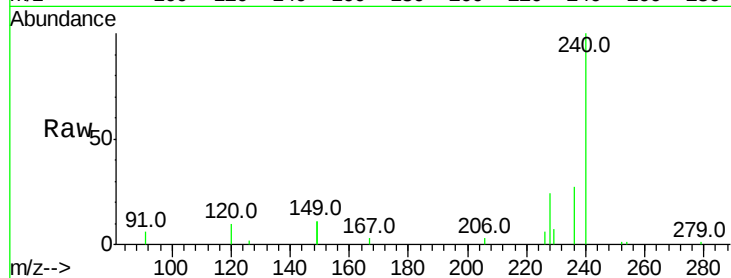
Tot Ion:240 Resp: 12985

Ion Ratio Lower Upper

240 100

120 10.4 5.5 8.3#

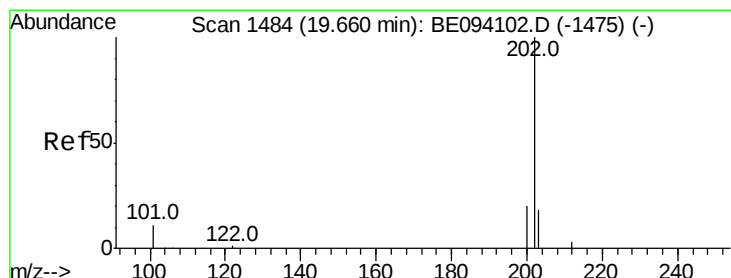
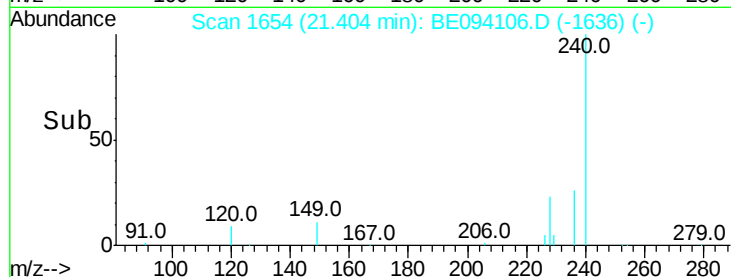
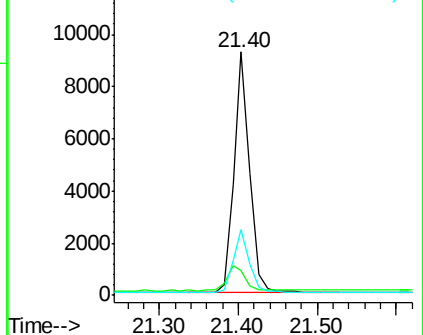
236 27.2 20.7 31.1



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: 0.371 ng

RT: 19.66 min Scan# 1484

Delta R.T. -0.00 min

Lab File: BE094106.D

Acq: 25 Sep 2017 17:22

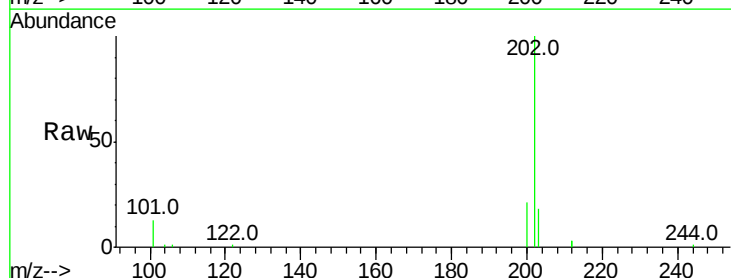
Tgt Ion:202 Resp: 15247

Ion Ratio Lower Upper

202 100

200 20.7 16.6 25.0

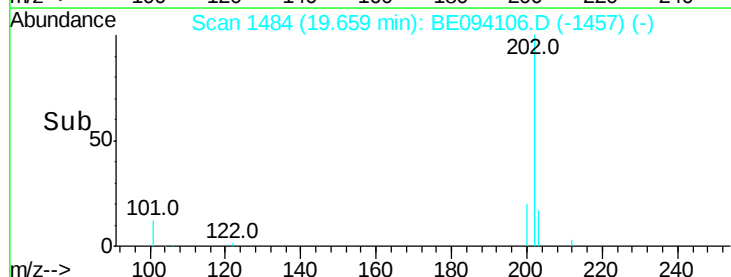
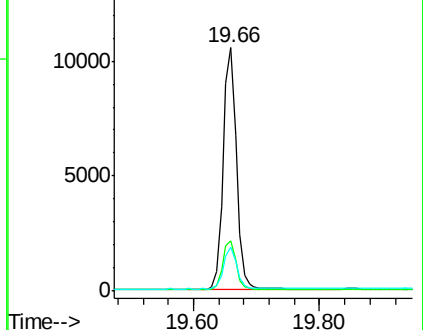
203 17.2 13.8 20.8

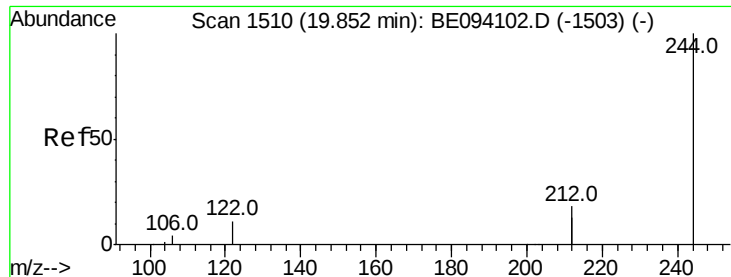


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.365 ng

RT: 19.85 min Scan# 1510

Delta R.T. -0.00 min

Lab File: BE094106.D

Acq: 25 Sep 2017 17:22

Instrument :

BNA_E

ClientSampleId :

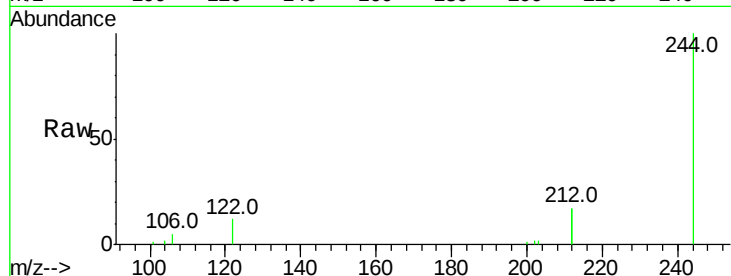
Tot Ion:244 Resp: 8646

Ion Ratio Lower Upper

244 100

212 34.4 25.4 38.0

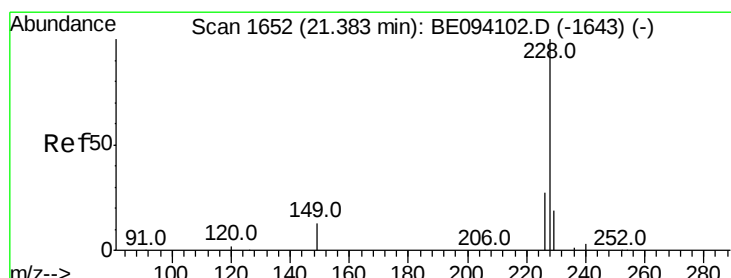
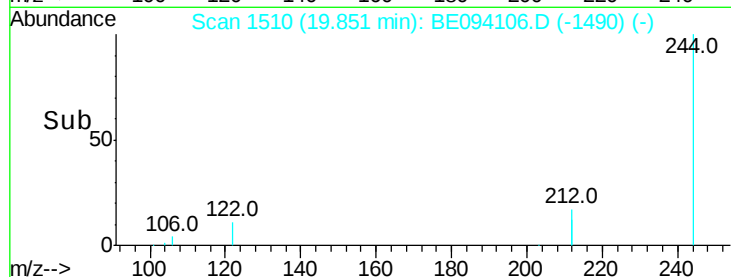
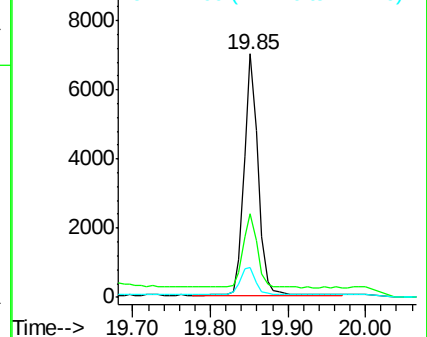
122 12.3 8.1 12.1#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#30

Benzo(a)anthracene

Concen: 0.397 ng

RT: 21.38 min Scan# 1652

Delta R.T. -0.00 min

Lab File: BE094106.D

Acq: 25 Sep 2017 17:22

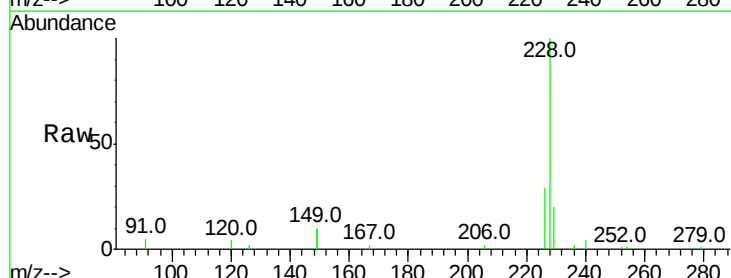
Tgt Ion:228 Resp: 17368

Ion Ratio Lower Upper

228 100

226 28.8 21.4 32.0

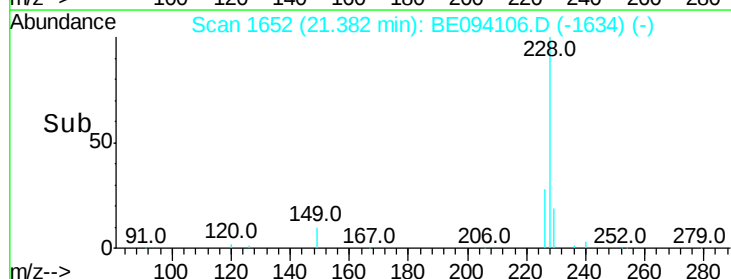
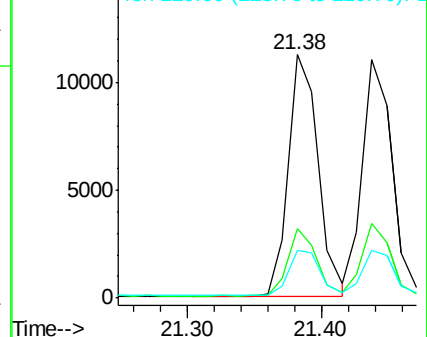
229 19.6 16.4 24.6

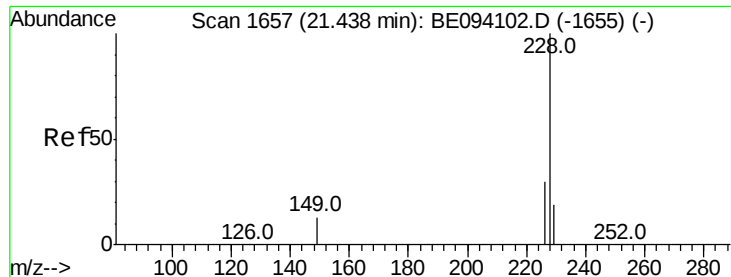


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.403 ng

RT: 21.44 min Scan# 1657

Delta R.T. -0.00 min

Lab File: BE094106.D

Acq: 25 Sep 2017 17:22

Instrument :

BNA_E

ClientSampled :

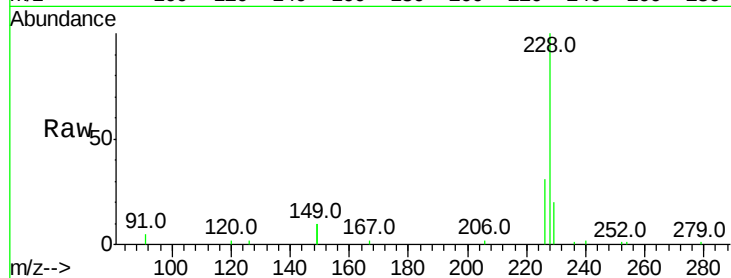
Tot Ion:228 Resp: 17018

Ion Ratio Lower Upper

228 100

226 31.4 23.6 35.4

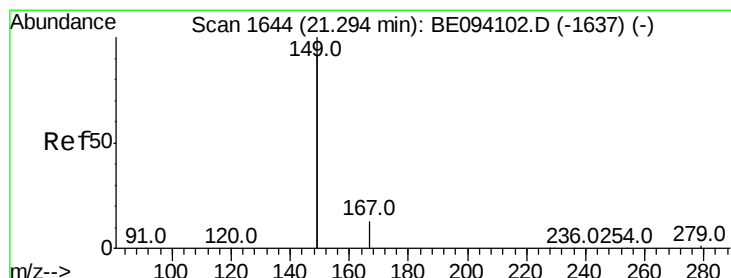
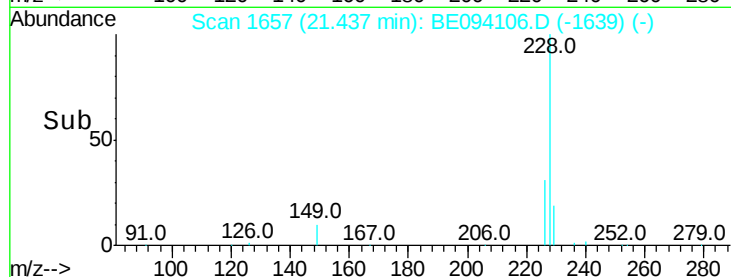
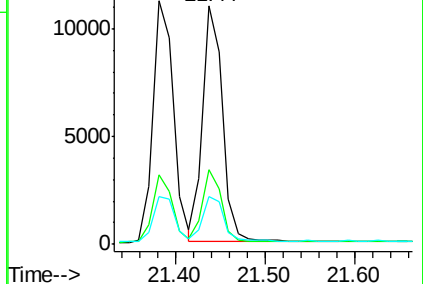
229 19.9 16.4 24.6



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: 0.269 ng

RT: 21.29 min Scan# 1644

Delta R.T. -0.00 min

Lab File: BE094106.D

Acq: 25 Sep 2017 17:22

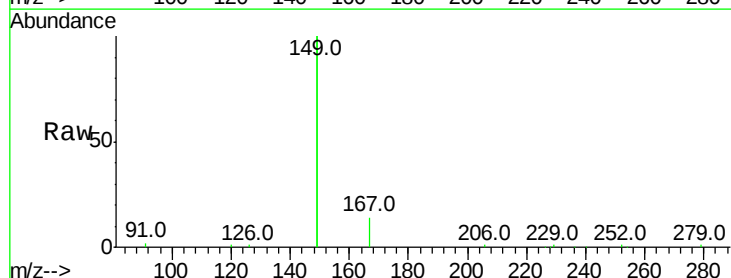
Tgt Ion:149 Resp: 55438

Ion Ratio Lower Upper

149 100

167 6.8 5.4 8.0

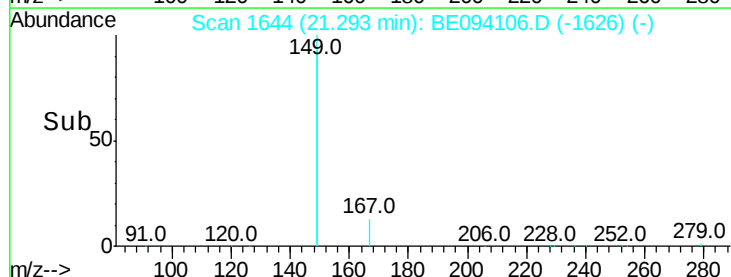
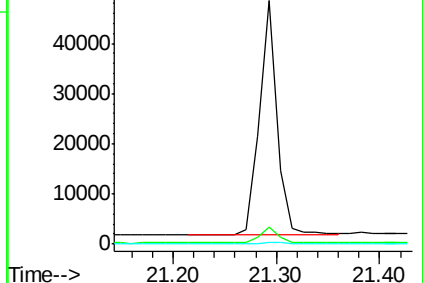
279 0.8 0.7 1.1

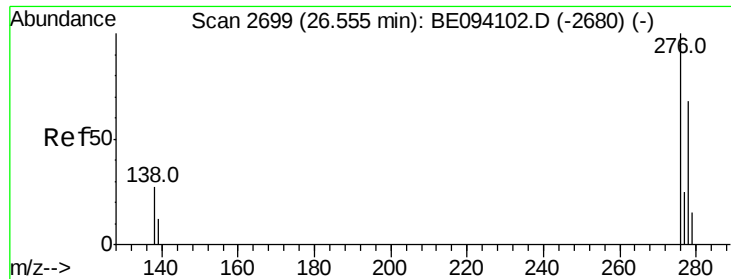


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

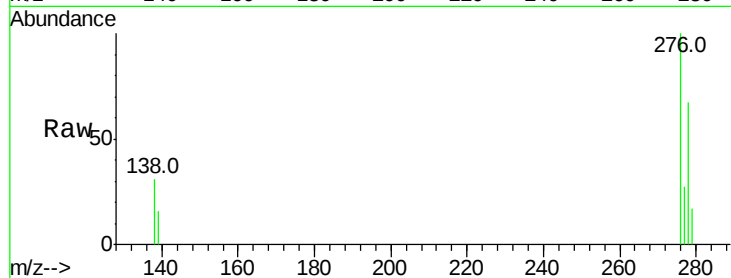




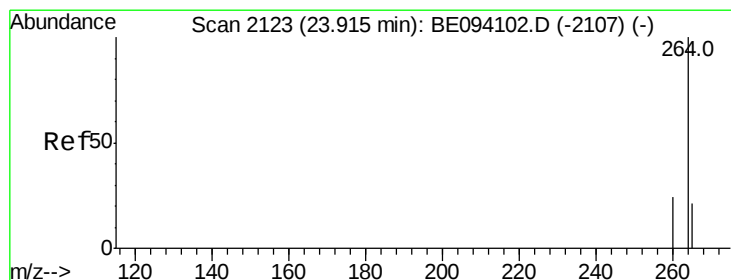
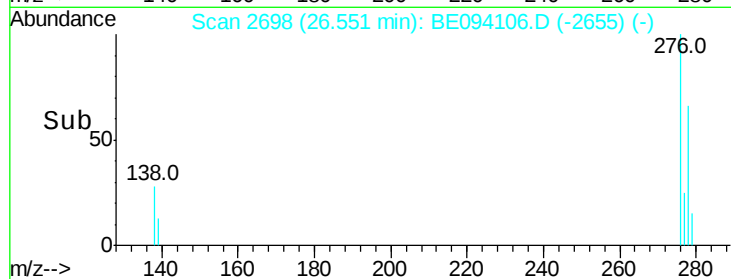
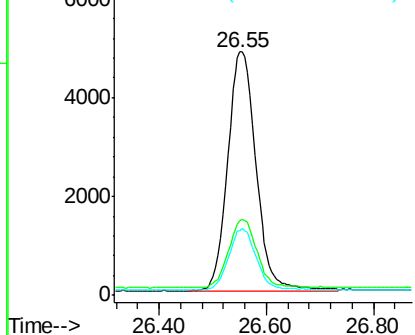
#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.395 ng
 RT: 26.55 min Scan# 2698
 Delta R.T. -0.00 min
 Lab File: BE094106.D
 Acq: 25 Sep 2017 17:22

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:276 Resp: 17850
 Ion Ratio Lower Upper
 276 100
 138 27.5 22.5 33.7
 277 24.3 19.9 29.9

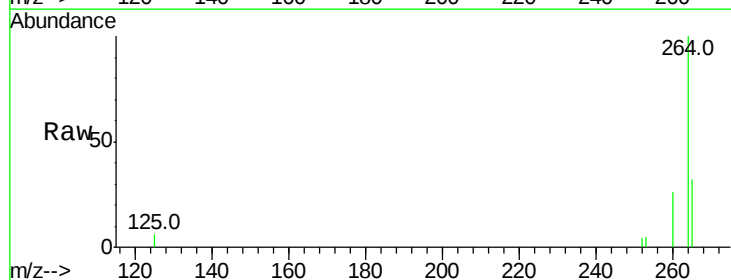


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

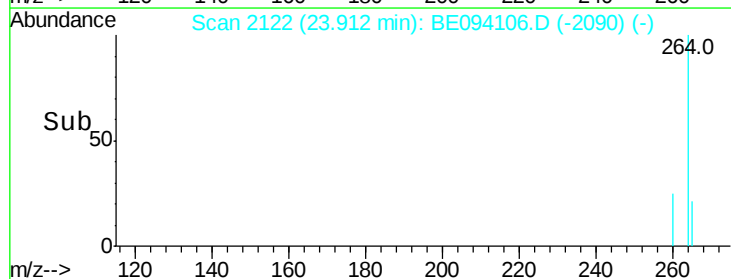
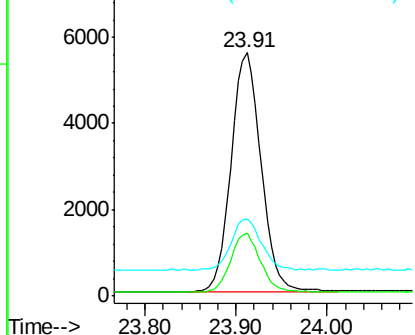


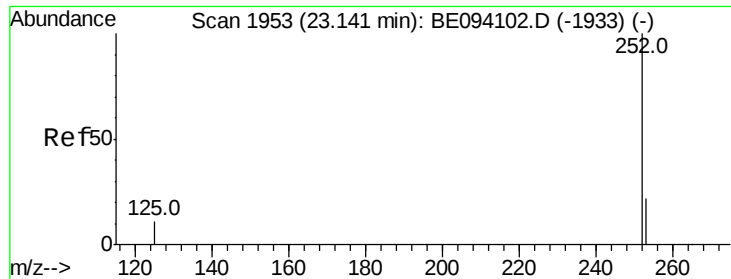
#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.91 min Scan# 2122
 Delta R.T. -0.00 min
 Lab File: BE094106.D
 Acq: 25 Sep 2017 17:22

Tgt Ion:264 Resp: 12713
 Ion Ratio Lower Upper
 264 100
 260 25.7 20.5 30.7
 265 31.8 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: 0.372 ng

RT: 23.14 min Scan# 1952

Delta R.T. -0.00 min

Lab File: BE094106.D

Acq: 25 Sep 2017 17:22

Instrument :

BNA_E

ClientSampleId :

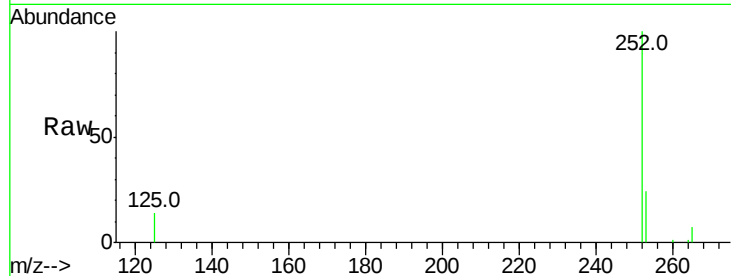
Tot Ion:252 Resp: 17055

Ion Ratio Lower Upper

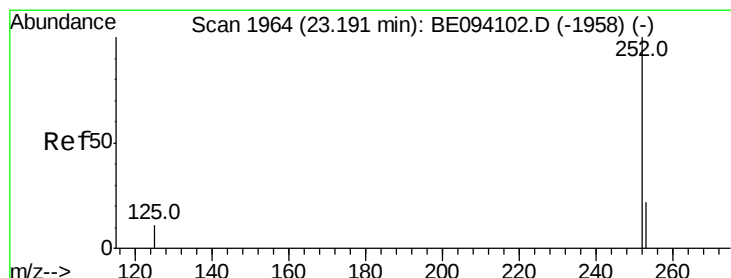
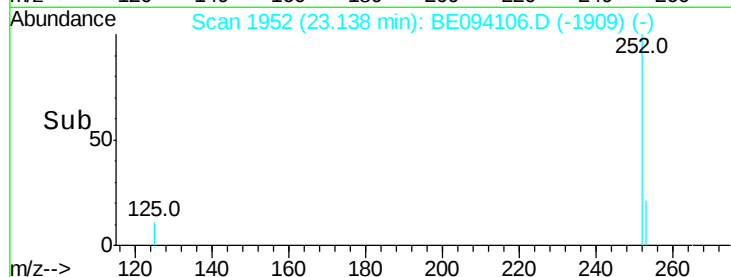
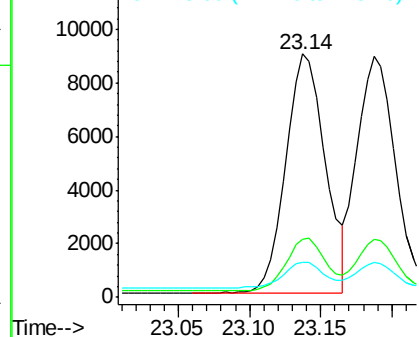
252 100

253 23.9 18.2 27.2

125 14.3 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: 0.386 ng

RT: 23.19 min Scan# 1963

Delta R.T. -0.00 min

Lab File: BE094106.D

Acq: 25 Sep 2017 17:22

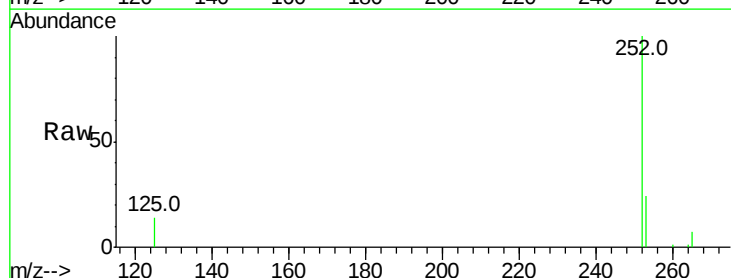
Tgt Ion:252 Resp: 16959

Ion Ratio Lower Upper

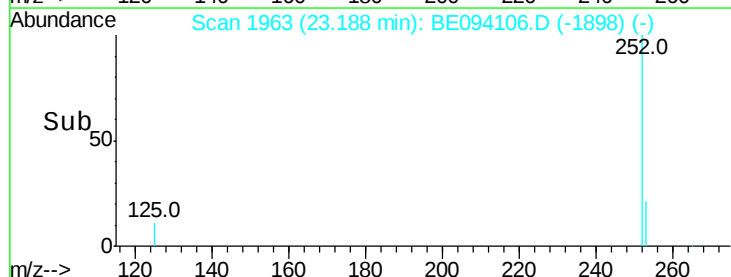
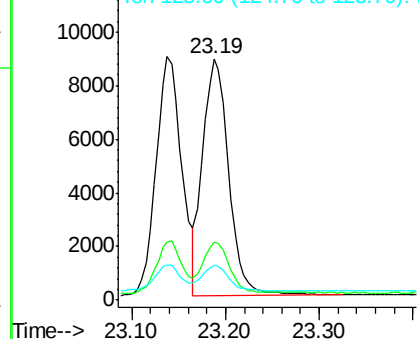
252 100

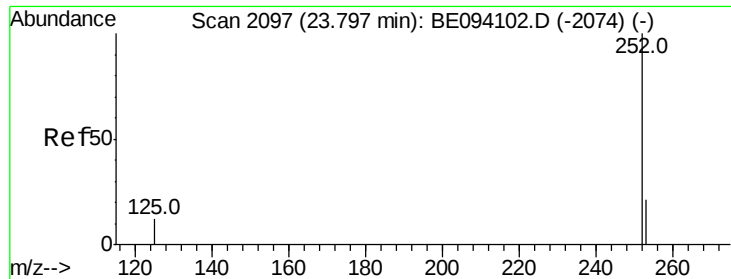
253 24.0 18.6 27.8

125 14.4 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: 0.390 ng

RT: 23.80 min Scan# 2097

Delta R.T. 0.00 min

Lab File: BE094106.D

Acq: 25 Sep 2017 17:22

Instrument :

BNA_E

ClientSampleId :

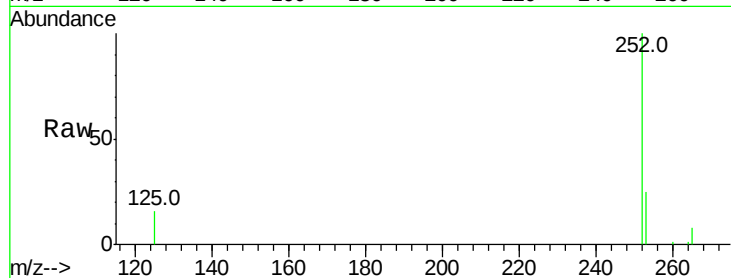
Tot Ion:252 Resp: 16150

Ion Ratio Lower Upper

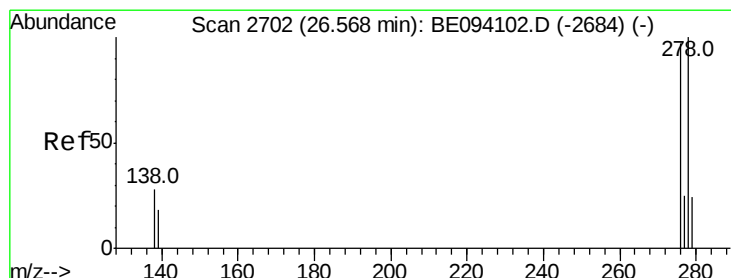
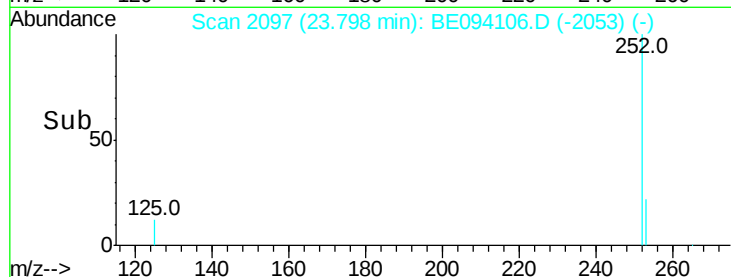
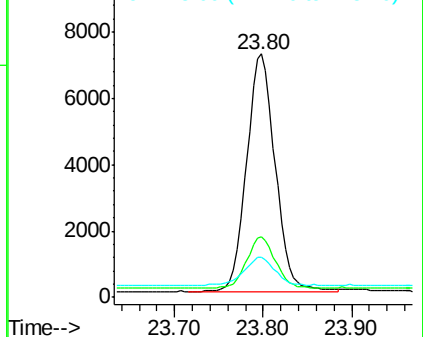
252 100

253 25.0 19.0 28.6

125 16.5 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: 0.391 ng

RT: 26.56 min Scan# 2701

Delta R.T. -0.00 min

Lab File: BE094106.D

Acq: 25 Sep 2017 17:22

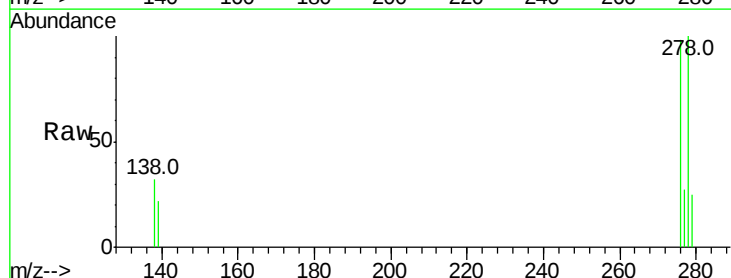
Tgt Ion:278 Resp: 15351

Ion Ratio Lower Upper

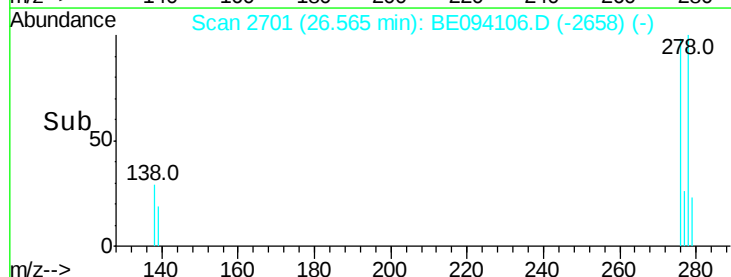
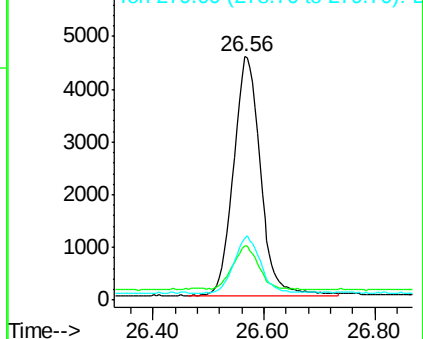
278 100

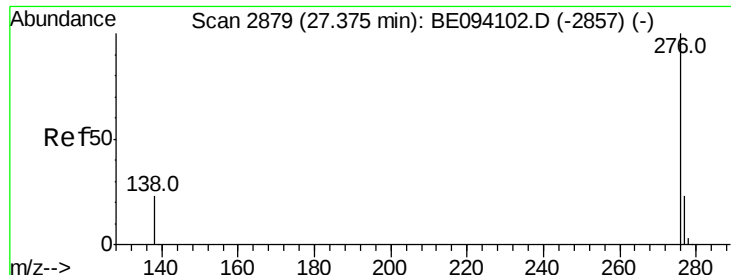
139 22.4 16.3 24.5

279 25.3 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: 0.395 ng

RT: 27.37 min Scan# 2878

Delta R.T. -0.00 min

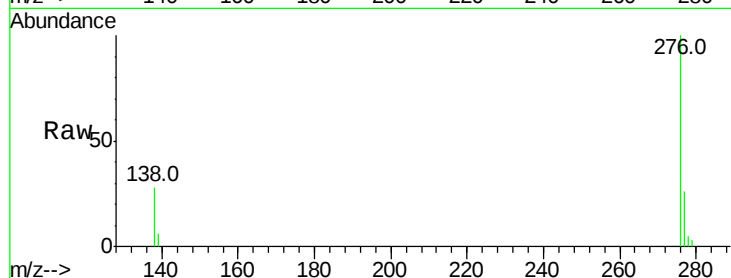
Lab File: BE094106.D

Acq: 25 Sep 2017 17:22

Instrument :

BNA_E

ClientSampleId :



Tot Ion:276 Resp: 15362

Ion Ratio Lower Upper

276 100

277 25.7 20.8 31.2

138 27.7 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

