

Data Path : Z:\HPCHEM1\BNA E\DATA\BE092317\
 Data File : BE094092.D
 Acq On : 23 Sep 2017 23:49
 Operator : SJ/JU
 Sample : I5340-12
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Sep 25 08:48:45 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 25 07:59:29 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	2450	0.40	ng	0.00
7) Naphthalene-d8	10.69	136	13279	0.40	ng	0.00
13) Acenaphthene-d10	14.51	164	8124	0.40	ng	0.00
19) Phenanthrene-d10	17.24	188	24319	0.40	ng	0.00
27) Chrysene-d12	21.40	240	14793	0.40	ng	0.00
34) Perylene-d12	23.91	264	14467	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.50	112	1449	-0.04	ng	0.00
5) Phenol-d6	7.09	99	2258	0.16	ng	0.00
8) Nitrobenzene-d5	9.06	82	1829	0.15	ng	0.00
11) 2-Methylnaphthalene-d10	12.27	152	3027	0.13	ng	0.00
14) 2,4,6-Tribromophenol	16.00	330	1362	0.22	ng	0.00
15) 2-Fluorobiphenyl	13.13	172	5032	0.19	ng	0.00
25) Fluoranthene-d10	19.27	212	23388	0.07	ng	0.00
29) Terphenyl-d14	19.85	244	3563	0.15	ng	0.00

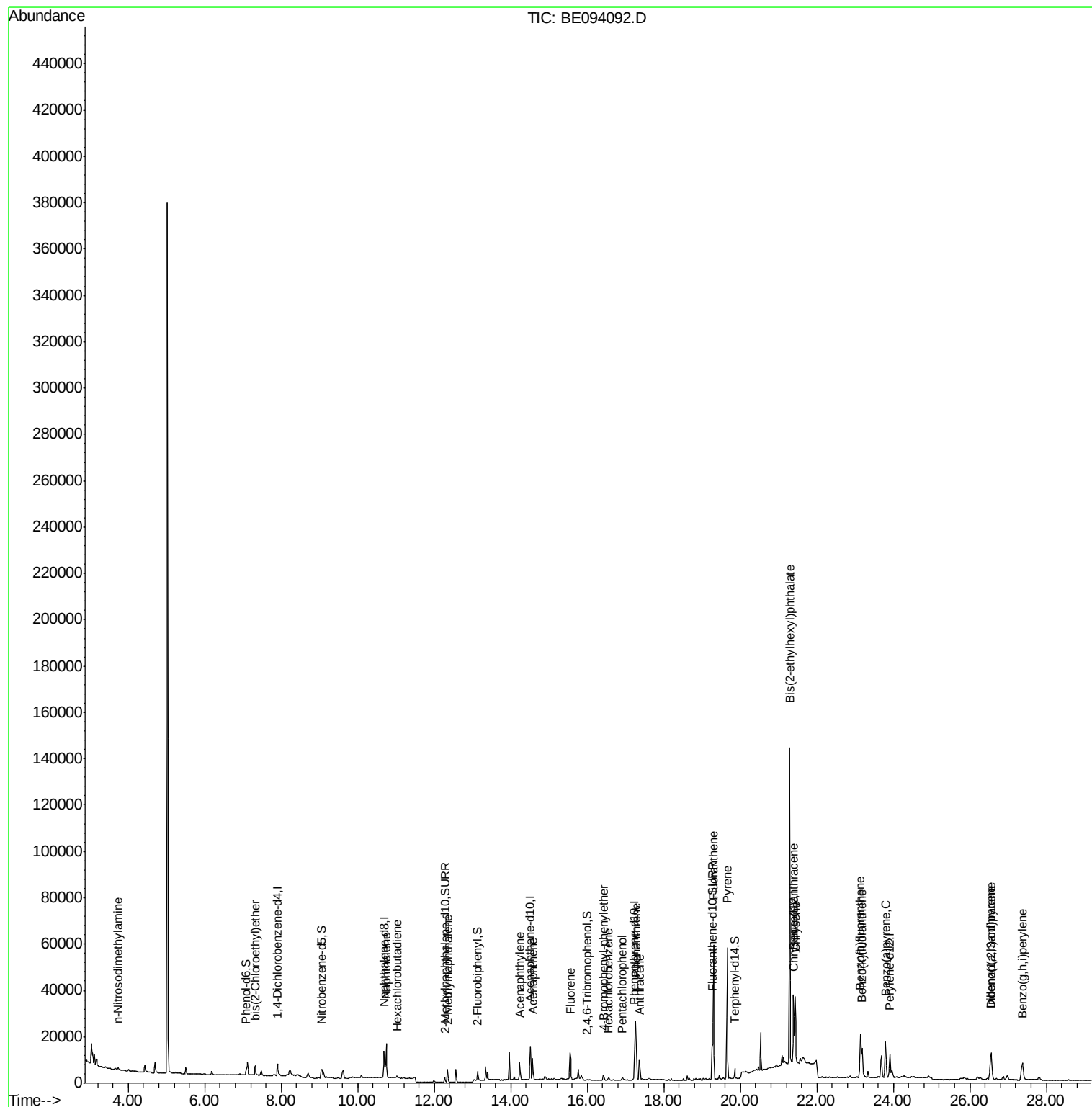
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.41	88	561	Below Cal		# 44
3) n-Nitrosodimethylamine	3.73	42	839	0.101	ng	# 76
6) bis(2-Chloroethyl)ether	7.33	93	1576	0.146	ng	# 88
9) Naphthalene	10.74	128	24535	0.041	ng	# 100
10) Hexachlorobutadiene	11.02	225	729	0.136	ng	# 97
12) 2-Methylnaphthalene	12.35	142	4156	0.155	ng	# 98
16) Acenaphthylene	14.23	152	8574	0.210	ng	# 99
17) Acenaphthene	14.57	154	4486	0.165	ng	# 97
18) Fluorene	15.56	166	6111	0.151	ng	# 99
20) 4-Bromophenyl-phenylether	16.42	248	1848	0.142	ng	# 93
21) Hexachlorobenzene	16.55	284	1101	0.115	ng	# 89
22) Pentachlorophenol	16.91	266	972	0.294	ng	# 76
23) Phenanthrene	17.27	178	37596	0.432	ng	# 98
24) Anthracene	17.37	178	13548	0.202	ng	# 97
26) Fluoranthene	19.30	202	53711	0.575	ng	# 99
28) Pyrene	19.66	202	53281	1.302	ng	# 96
30) Benzo(a)anthracene	21.38	228	27304	0.551	ng	# 97
31) Chrysene	21.44	228	29871	0.615	ng	# 97
32) Bis(2-ethylhexyl)phthalate	21.29	149	143605	1.079	ng	# 100
33) Indeno(1,2,3-cd)pyrene	26.55	276	18553	0.494	ng	# 97
35) Benzo(b)fluoranthene	23.14	252	33032	0.631	ng	# 94
36) Benzo(k)fluoranthene	23.19	252	14369	0.274	ng	# 87
37) Benzo(a)pyrene	23.79	252	25150	0.535	ng	# 96
38) Dibenzo(a,h)anthracene	26.56	278	8011	0.213	ng	# 85
39) Benzo(g,h,i)perylene	27.37	276	18057	0.480	ng	# 98

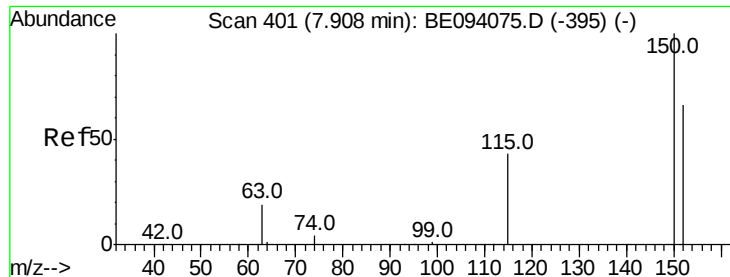
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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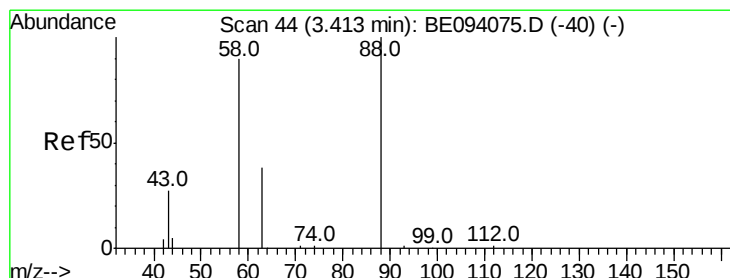
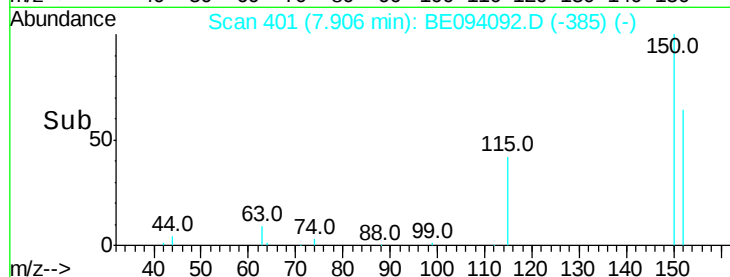
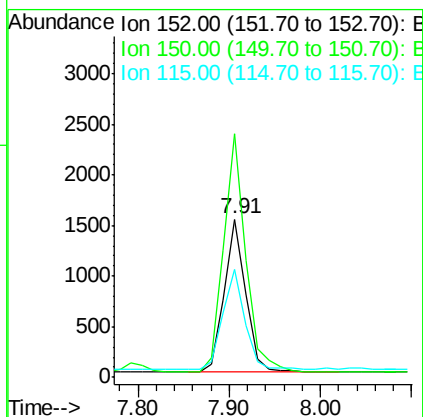
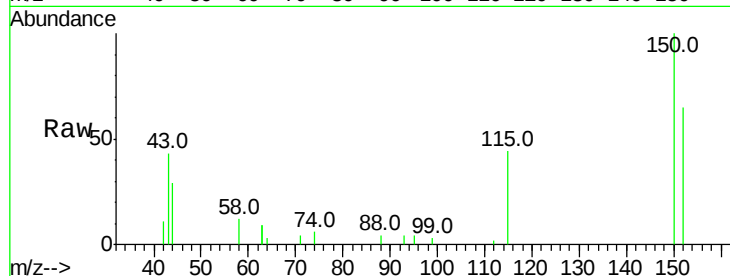


#1

1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.91 min Scan# 401
 Delta R.T. -0.00 min
 Lab File: BE094092.D
 Acq: 23 Sep 2017 23:49

Instrument :
 BNA_E
 ClientSampleId :

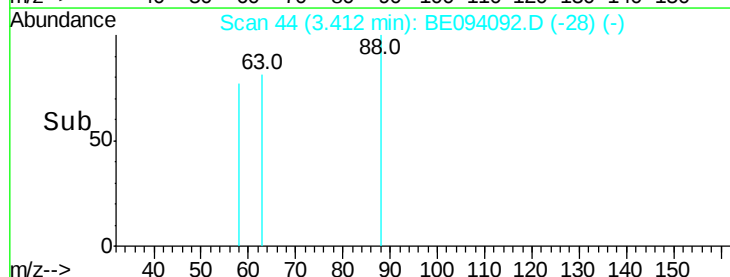
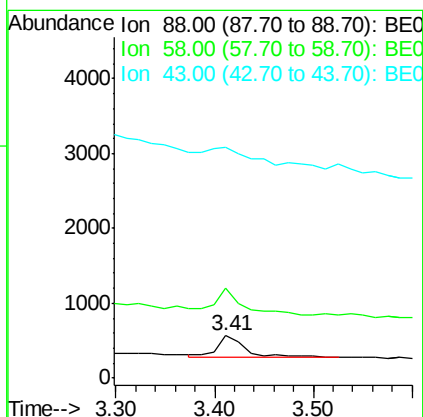
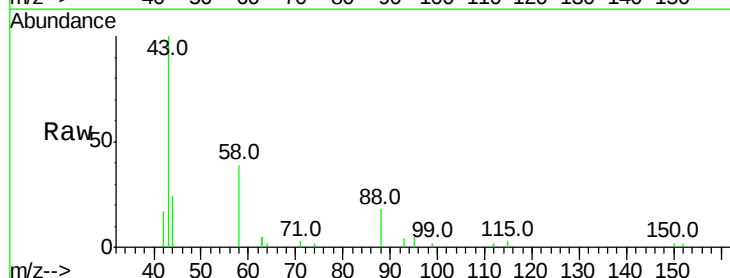
Tot Ion:152 Resp: 2450
 Ion Ratio Lower Upper
 152 100
 150 154.2 117.2 175.8
 115 68.5 57.0 85.6

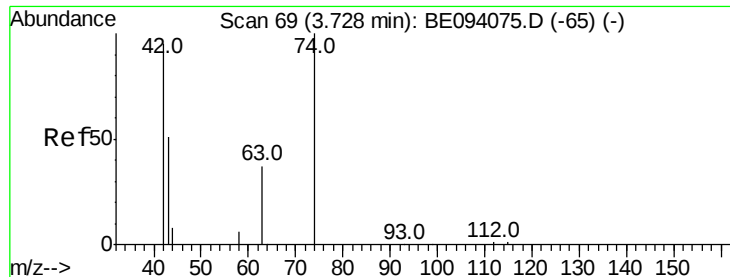


#2

1,4-Dioxane
 Concen: Below Cal
 RT: 3.41 min Scan# 44
 Delta R.T. -0.00 min
 Lab File: BE094092.D
 Acq: 23 Sep 2017 23:49

Tgt Ion: 88 Resp: 561
 Ion Ratio Lower Upper
 88 100
 58 117.5 63.2 94.8#
 43 0.0 41.2 61.8#



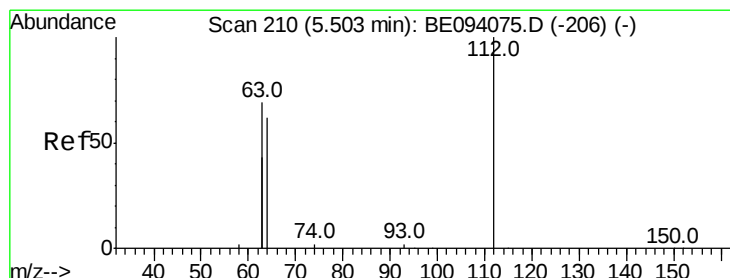
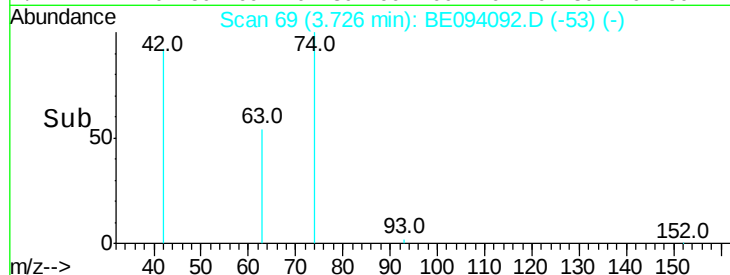
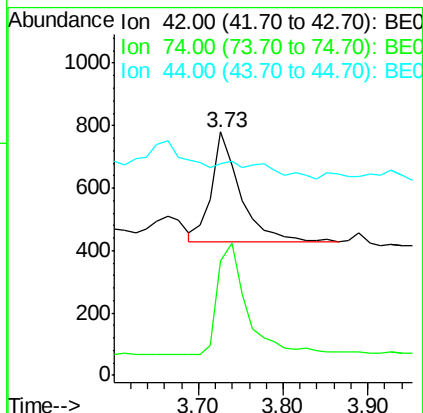
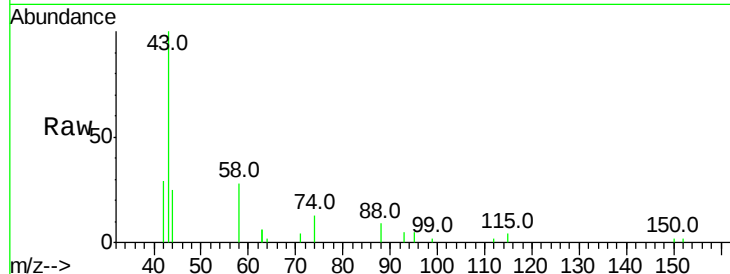


#3

n-Nitrosodimethylamine
 Concen: 0.101 ng
 RT: 3.73 min Scan# 69
 Delta R.T. -0.00 min
 Lab File: BE094092.D
 Acq: 23 Sep 2017 23:49

Instrument :
 BNA_E
 ClientSampleId :

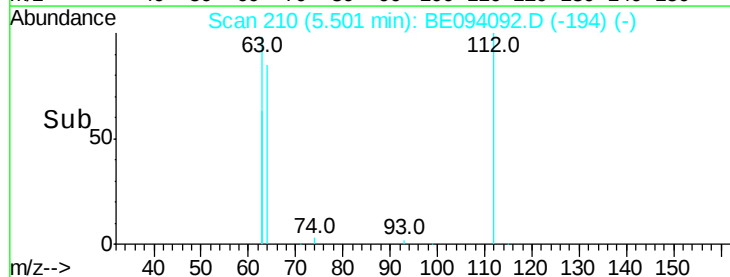
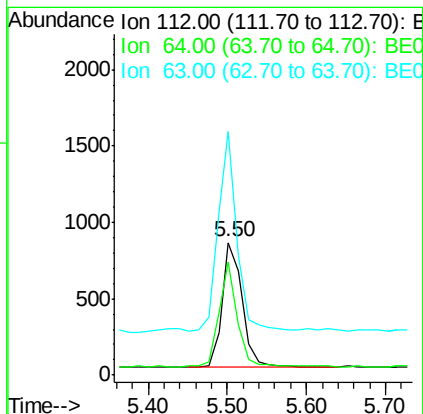
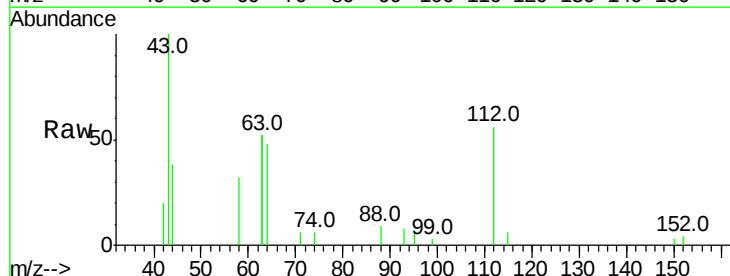
Tot Ion: 42 Resp: 839
 Ion Ratio Lower Upper
 42 100
 74 102.1 100.3 150.5
 44 0.0 17.0 25.4#

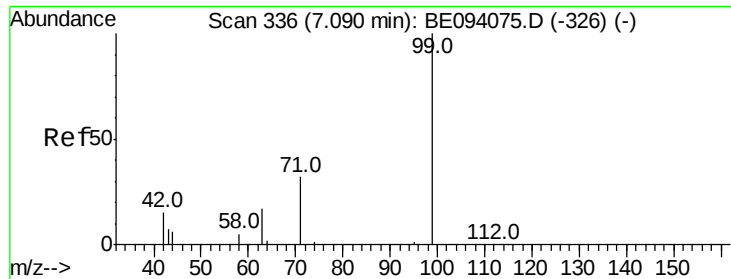


#4

2-Fluorophenol
 Concen: -0.043 ng
 RT: 5.50 min Scan# 210
 Delta R.T. -0.00 min
 Lab File: BE094092.D
 Acq: 23 Sep 2017 23:49

Tgt Ion: 112 Resp: 1449
 Ion Ratio Lower Upper
 112 100
 64 76.0 60.1 90.1
 63 151.3 116.8 175.2





#5

Phenol-d6

Concen: 0.156 ng

RT: 7.09 min Scan# 336

Delta R.T. -0.00 min

Lab File: BE094092.D

Acq: 23 Sep 2017 23:49

Instrument :

BNA_E

ClientSampleId :

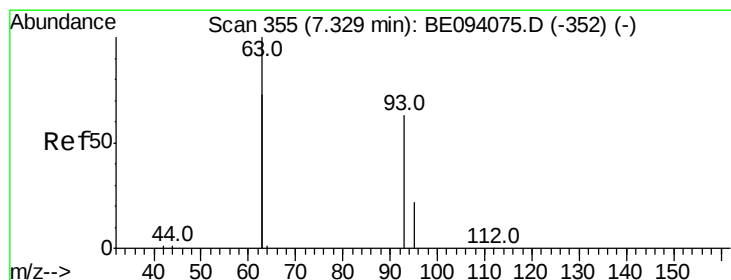
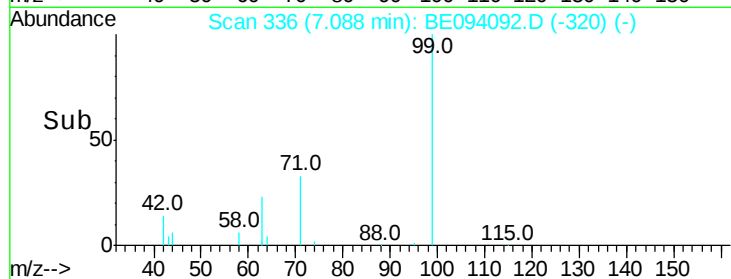
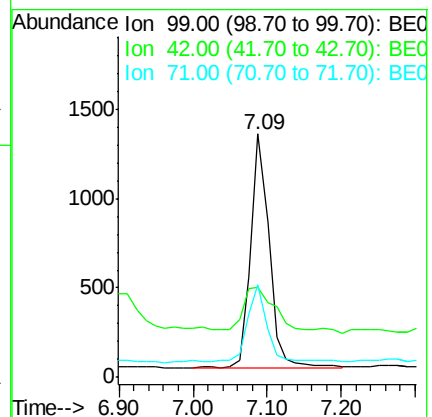
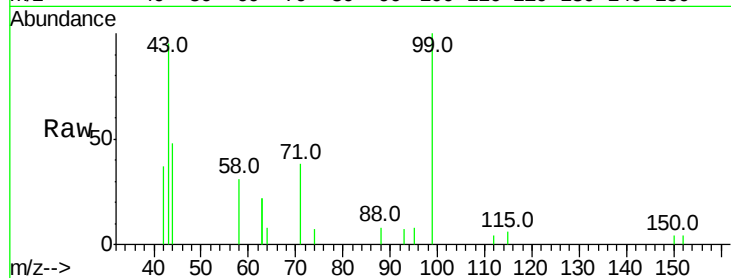
Tot Ion: 99 Resp: 2258

Ion Ratio Lower Upper

99 100

42 29.5 20.2 30.2

71 34.9 28.4 42.6



#6

bis(2-Chloroethyl)ether

Concen: 0.146 ng

RT: 7.33 min Scan# 355

Delta R.T. -0.00 min

Lab File: BE094092.D

Acq: 23 Sep 2017 23:49

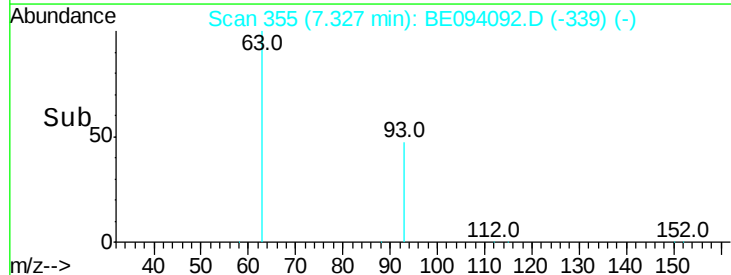
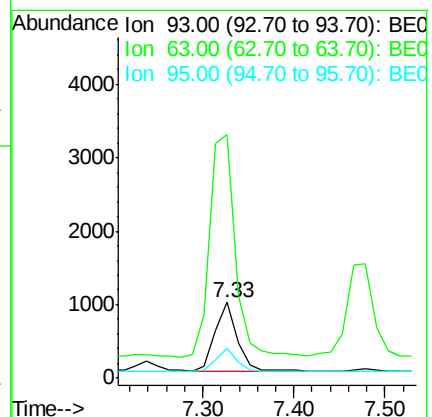
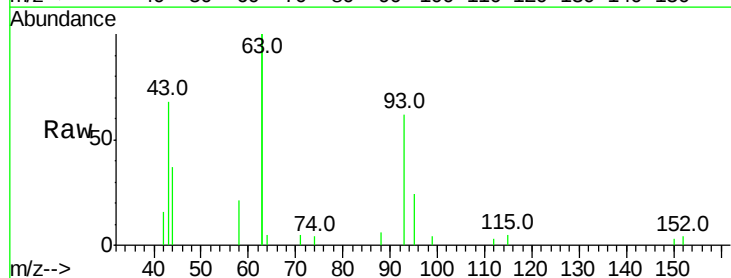
Tgt Ion: 93 Resp: 1576

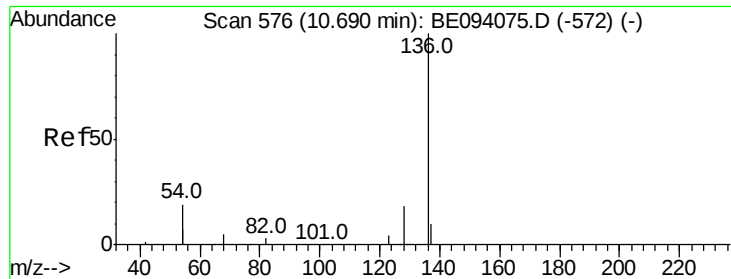
Ion Ratio Lower Upper

93 100

63 371.1 275.3 412.9

95 32.6 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: BE094092.D

Acq: 23 Sep 2017 23:49

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 13279

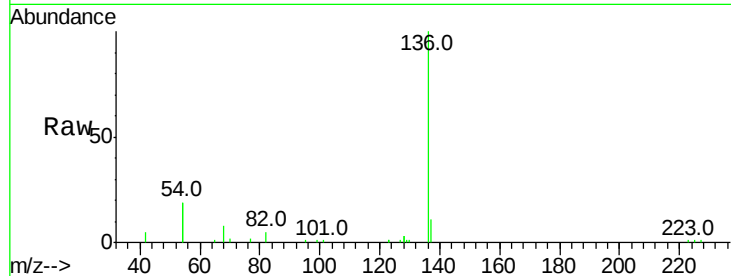
Ion Ratio Lower Upper

136 100

137 11.3 9.5 14.3

54 37.7 29.1 43.7

68 7.6 6.2 9.2

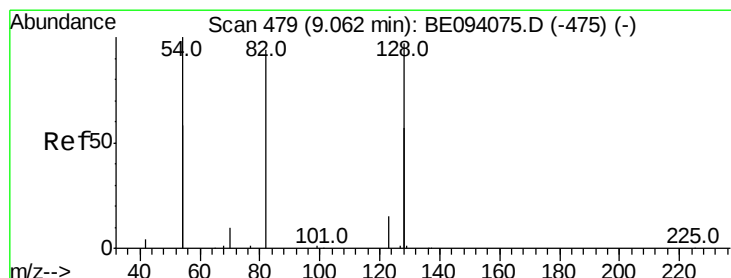
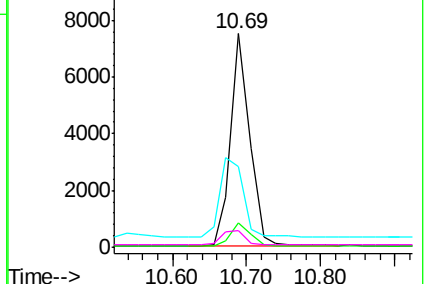
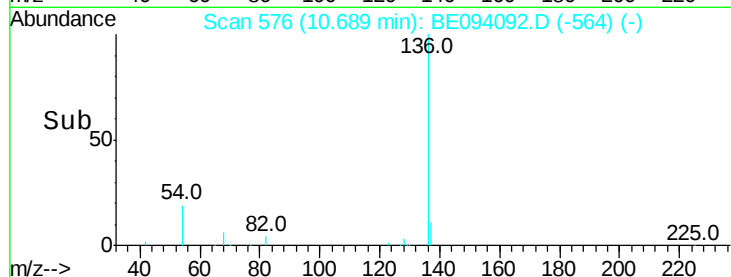


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.155 ng

RT: 9.06 min Scan# 479

Delta R.T. -0.00 min

Lab File: BE094092.D

Acq: 23 Sep 2017 23:49

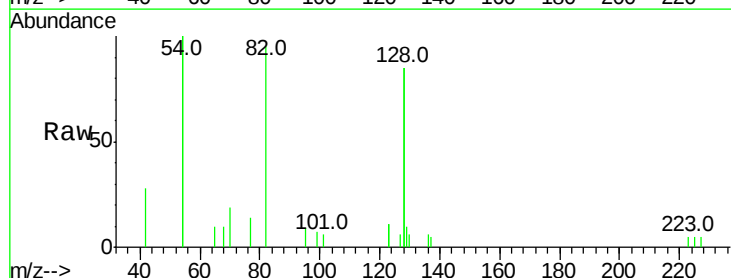
Tgt Ion: 82 Resp: 1829

Ion Ratio Lower Upper

82 100

128 177.3 150.0 225.0

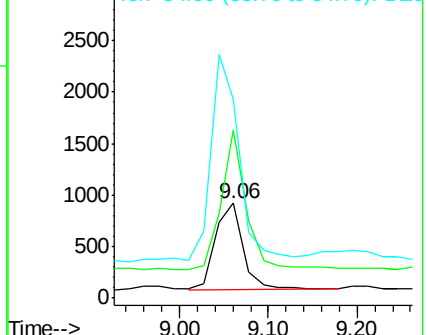
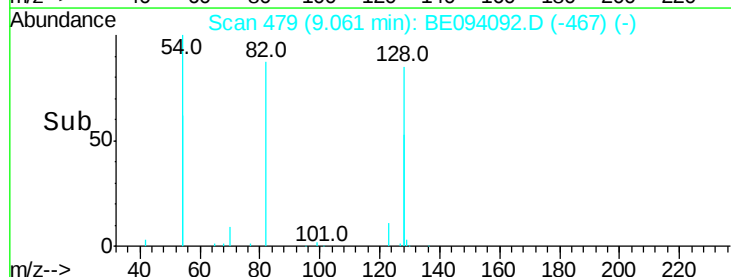
54 209.8 154.2 231.4

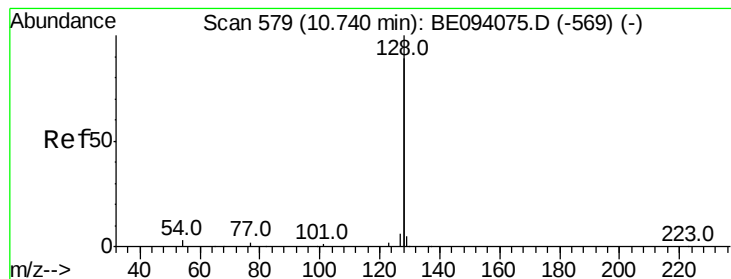


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.041 ng

RT: 10.74 min Scan# 579

Delta R.T. -0.00 min

Lab File: BE094092.D

Acq: 23 Sep 2017 23:49

Instrument :

BNA_E

ClientSampleId :

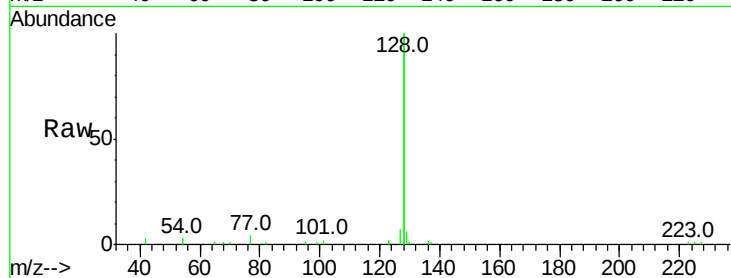
Tot Ion:128 Resp: 24535

Ion Ratio Lower Upper

128 100

129 3.1 2.6 3.8

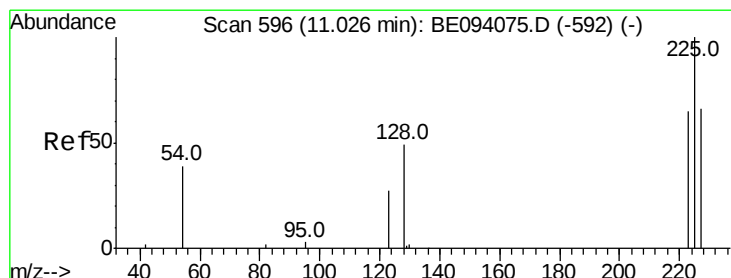
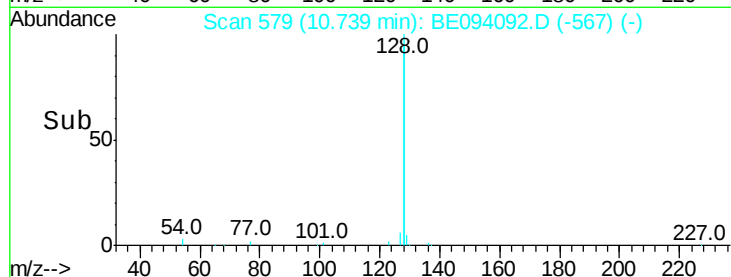
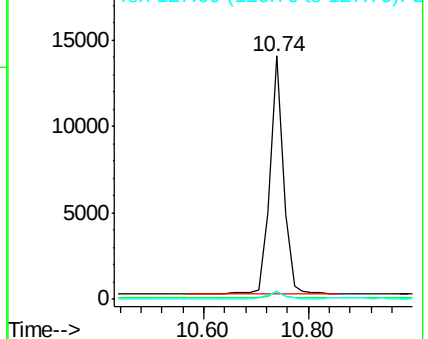
127 3.6 2.8 4.2



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: 0.136 ng

RT: 11.02 min Scan# 596

Delta R.T. -0.00 min

Lab File: BE094092.D

Acq: 23 Sep 2017 23:49

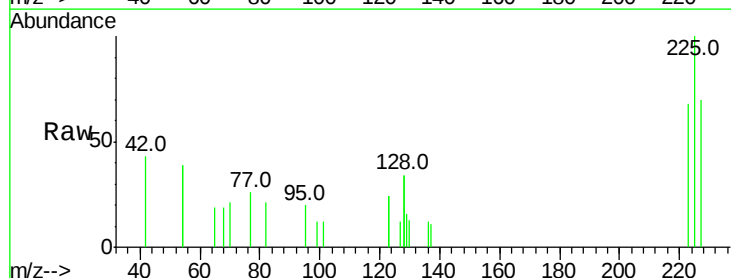
Tgt Ion:225 Resp: 729

Ion Ratio Lower Upper

225 100

223 63.4 53.0 79.6

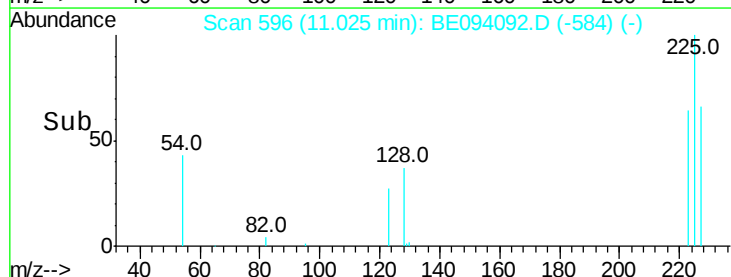
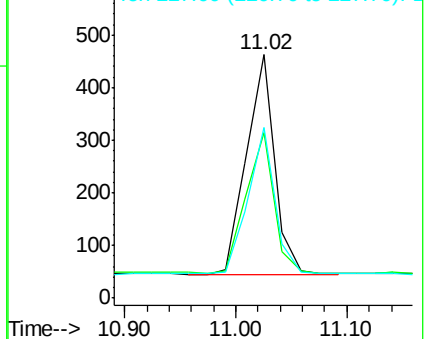
227 65.4 51.4 77.2

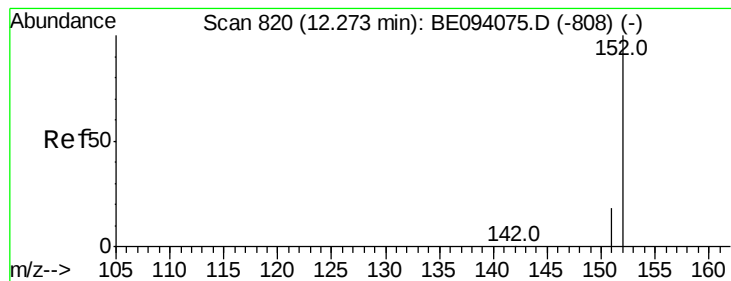


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.135 ng

RT: 12.27 min Scan# 820

Delta R.T. -0.00 min

Lab File: BE094092.D

Acq: 23 Sep 2017 23:49

Instrument :

BNA_E

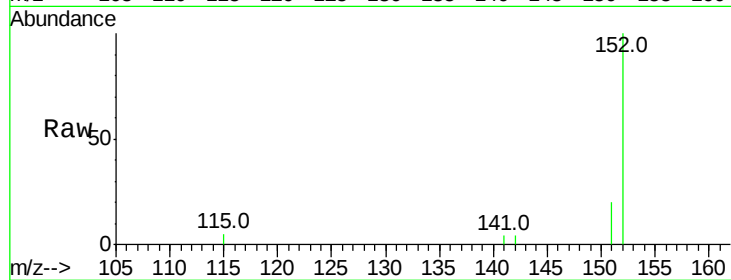
ClientSampleId :

Tot Ion:152 Resp: 3027

Ion Ratio Lower Upper

152 100

151 19.1 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.27

2000

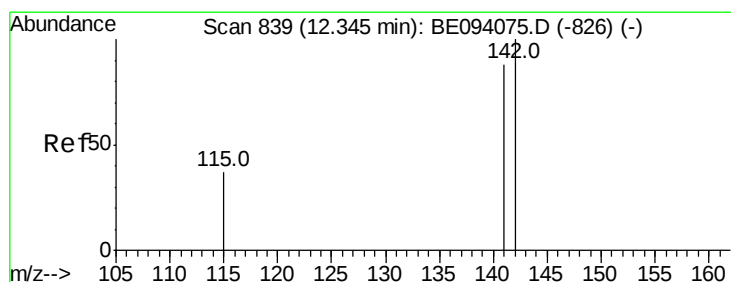
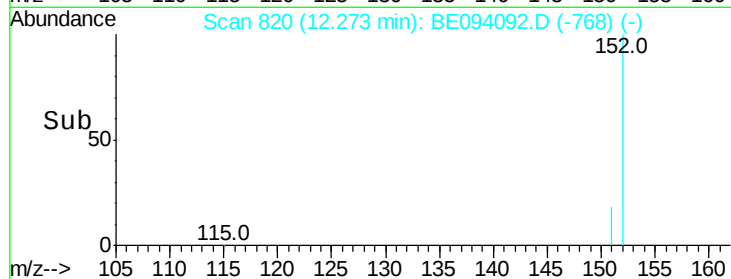
1500

1000

500

0

Time--> 12.20 12.30



#12

2-Methylnaphthalene

Concen: 0.155 ng

RT: 12.35 min Scan# 839

Delta R.T. -0.00 min

Lab File: BE094092.D

Acq: 23 Sep 2017 23:49

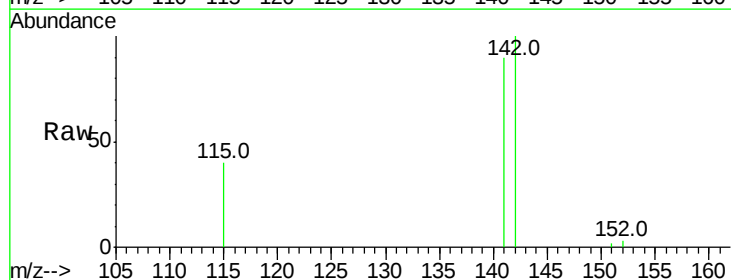
Tgt Ion:142 Resp: 4156

Ion Ratio Lower Upper

142 100

141 90.3 70.4 105.6

115 40.4 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

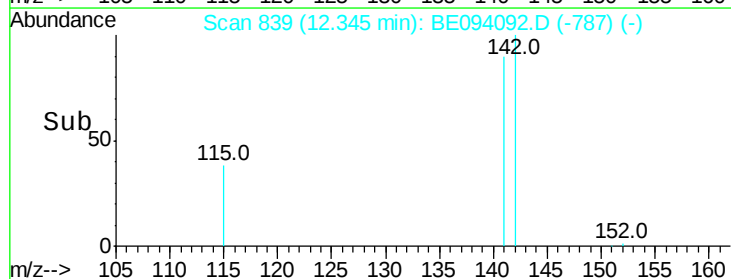
3000

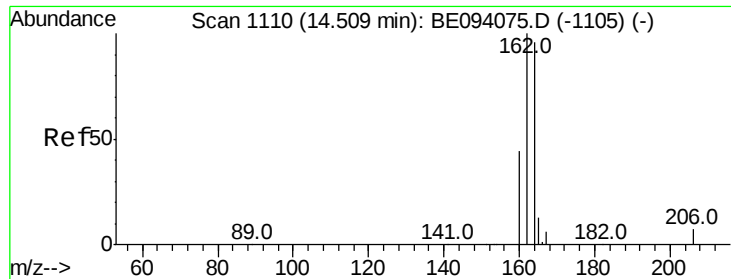
2000

1000

0

Time--> 12.30 12.40

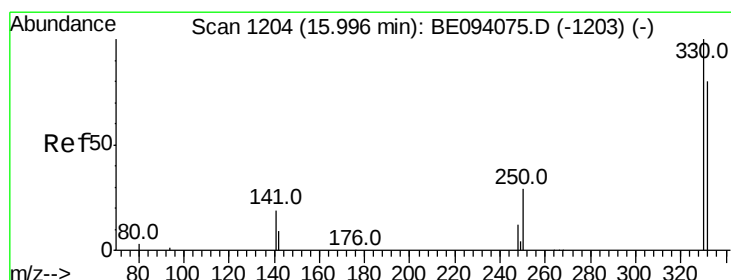
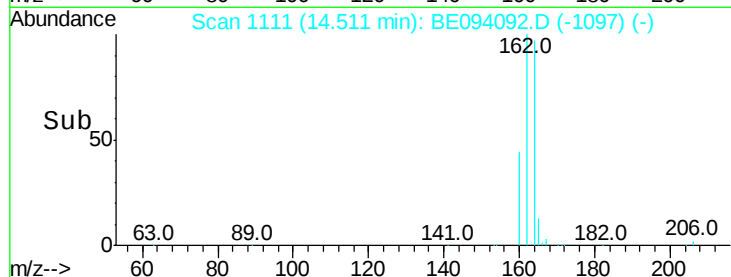
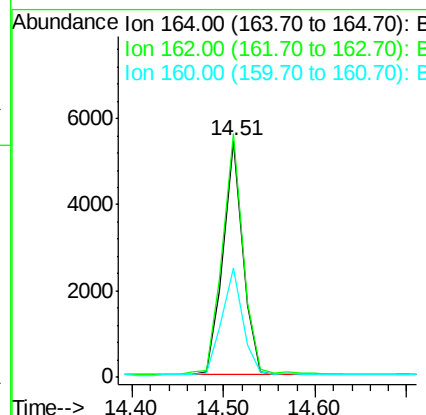
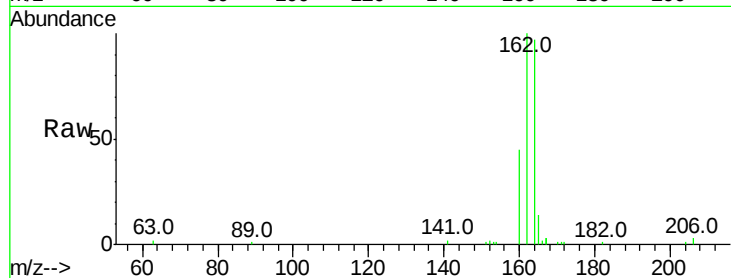




#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.51 min Scan# 1111
 Delta R.T. 0.00 min
 Lab File: BE094092.D
 Acq: 23 Sep 2017 23:49

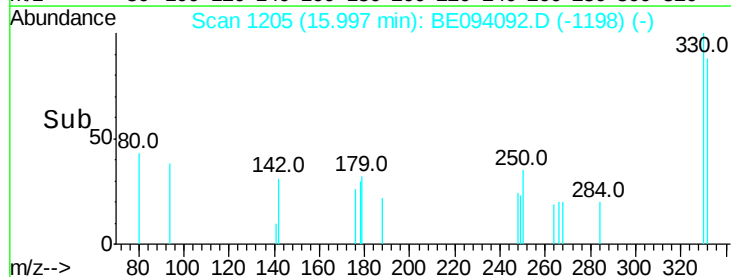
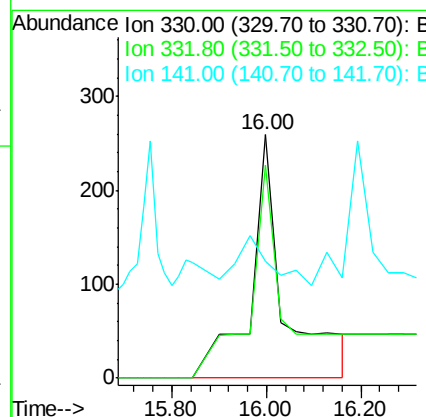
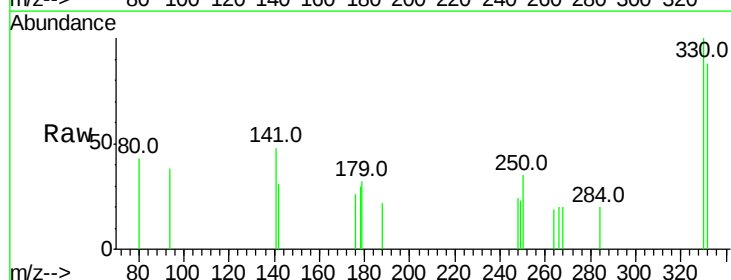
Instrument :
 BNA_E
 ClientSampleId :

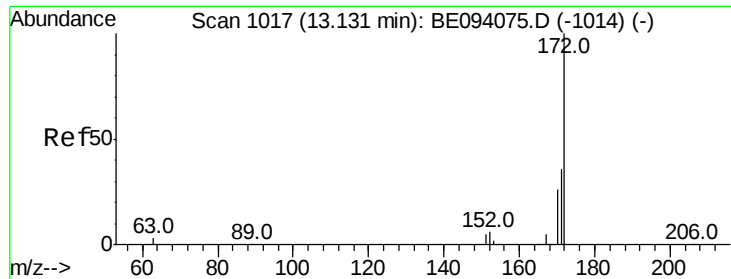
Tot Ion:164 Resp: 8124
 Ion Ratio Lower Upper
 164 100
 162 103.1 83.1 124.7
 160 46.3 37.1 55.7



#14
 2,4,6-Tribromophenol
 Concen: 0.221 ng
 RT: 16.00 min Scan# 1205
 Delta R.T. 0.00 min
 Lab File: BE094092.D
 Acq: 23 Sep 2017 23:49

Tgt Ion:330 Resp: 1362
 Ion Ratio Lower Upper
 330 100
 332 94.9 152.7 229.1#
 141 0.0 33.7 50.5#

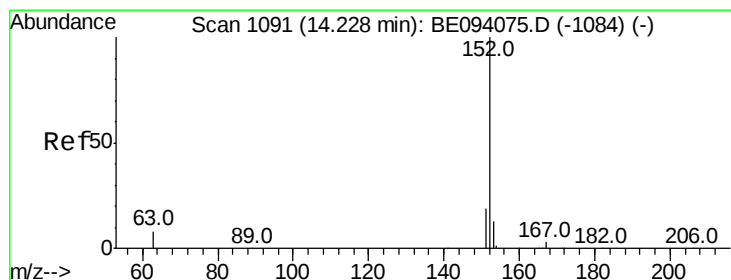
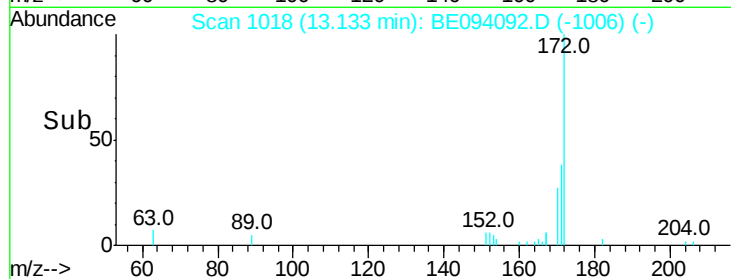
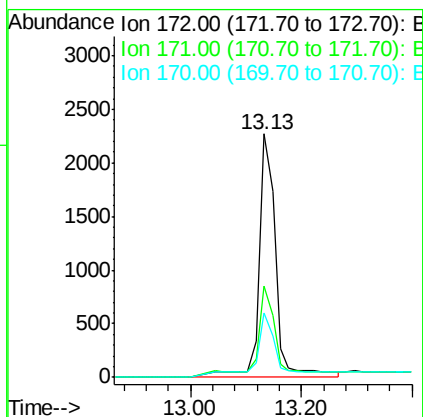
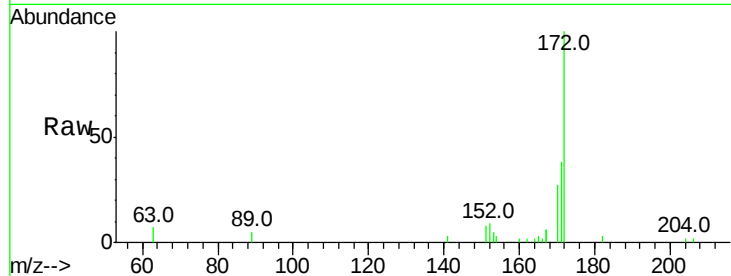




#15
2-Fluorobiphenyl
Concen: 0.189 ng
RT: 13.13 min Scan# 1018
Delta R.T. 0.00 min
Lab File: BE094092.D
Acq: 23 Sep 2017 23:49

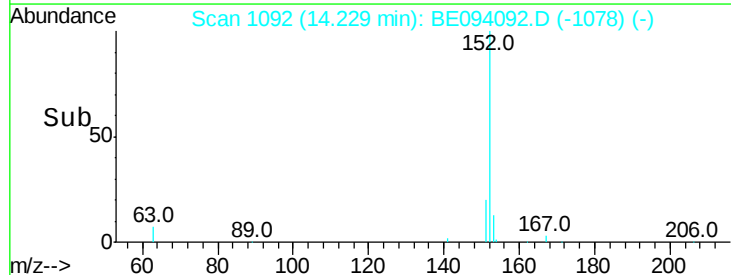
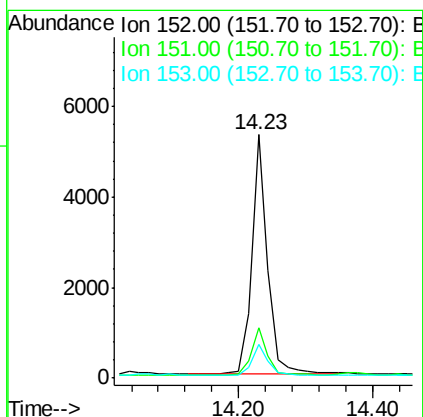
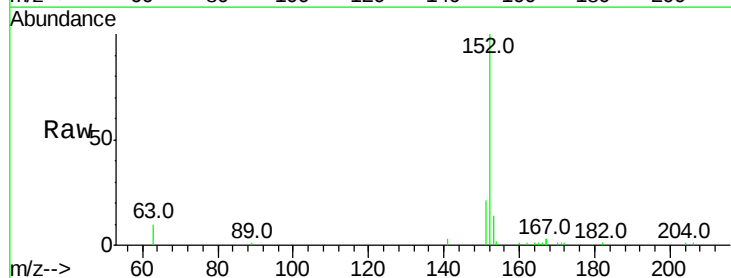
Instrument :
BNA_E
ClientSampleId :

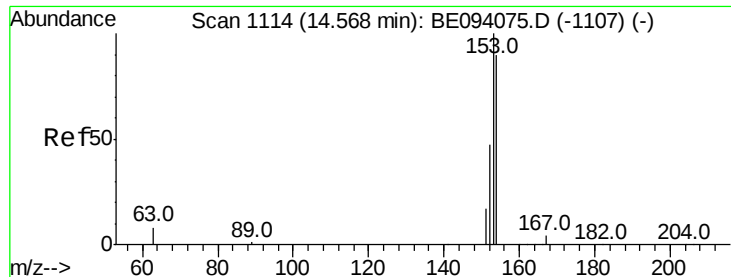
Tot Ion:172 Resp: 5032
Ion Ratio Lower Upper
172 100
171 37.7 29.9 44.9
170 26.5 21.8 32.8



#16
Acenaphthylene
Concen: 0.210 ng
RT: 14.23 min Scan# 1092
Delta R.T. 0.00 min
Lab File: BE094092.D
Acq: 23 Sep 2017 23:49

Tgt Ion:152 Resp: 8574
Ion Ratio Lower Upper
152 100
151 19.8 15.7 23.5
153 13.4 10.5 15.7





#17

Acenaphthene

Concen: 0.165 ng

RT: 14.57 min Scan# 1115

Delta R.T. 0.00 min

Lab File: BE094092.D

Acq: 23 Sep 2017 23:49

Instrument :

BNA_E

ClientSampleId :

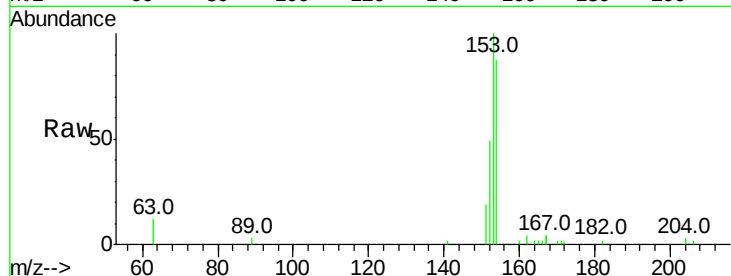
Tot Ion:154 Resp: 4486

Ion Ratio Lower Upper

154 100

153 114.3 89.2 133.8

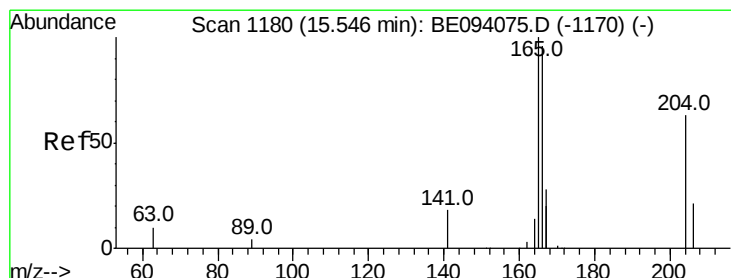
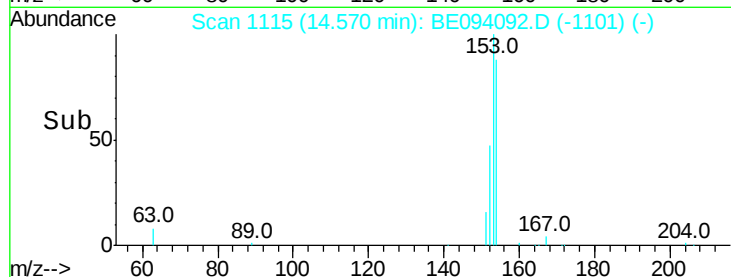
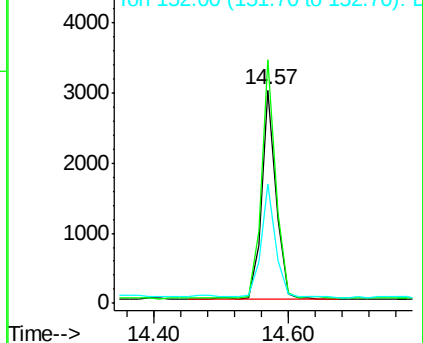
152 54.5 42.0 63.0



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: 0.151 ng

RT: 15.56 min Scan# 1182

Delta R.T. 0.02 min

Lab File: BE094092.D

Acq: 23 Sep 2017 23:49

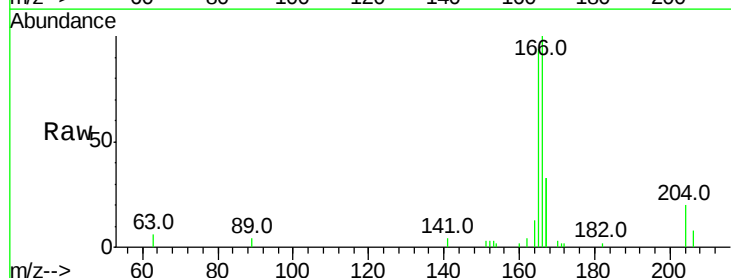
Tgt Ion:166 Resp: 6111

Ion Ratio Lower Upper

166 100

165 98.0 77.8 116.6

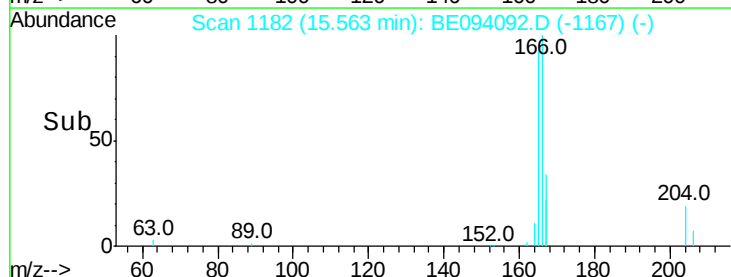
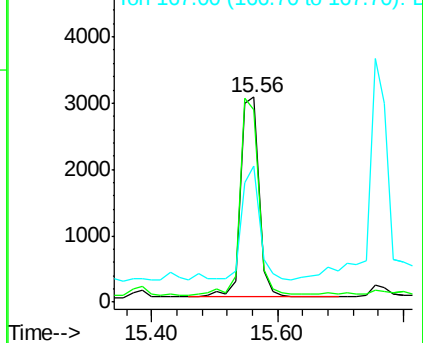
167 54.3 42.4 63.6

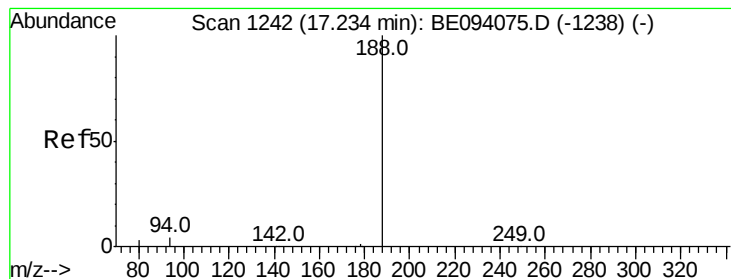


Abundance Ion 166.00 (165.70 to 166.70): E

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: BE094092.D

Acq: 23 Sep 2017 23:49

Instrument :

BNA_E

ClientSampleId :

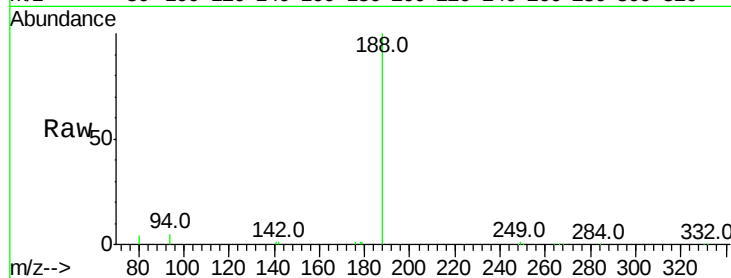
Tot Ion:188 Resp: 24319

Ion Ratio Lower Upper

188 100

94 4.6 3.9 5.9

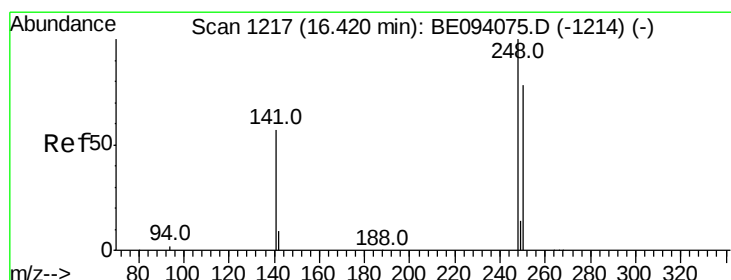
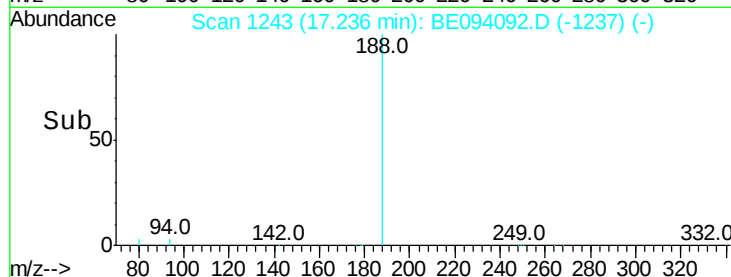
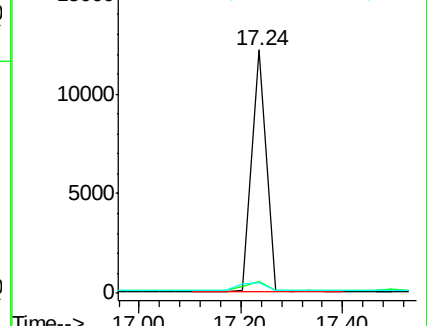
80 4.3 3.6 5.4



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



#20

4-Bromophenyl-phenylether

Concen: 0.142 ng

RT: 16.42 min Scan# 1218

Delta R.T. 0.00 min

Lab File: BE094092.D

Acq: 23 Sep 2017 23:49

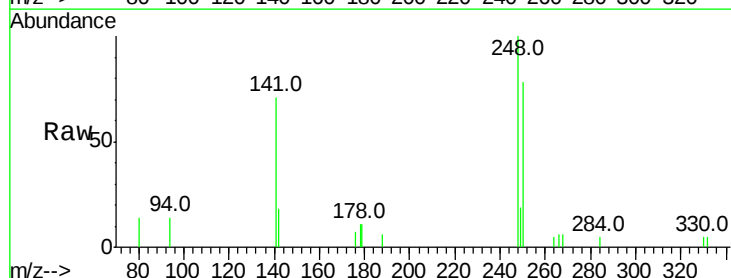
Tgt Ion:248 Resp: 1848

Ion Ratio Lower Upper

248 100

250 78.0 62.7 94.1

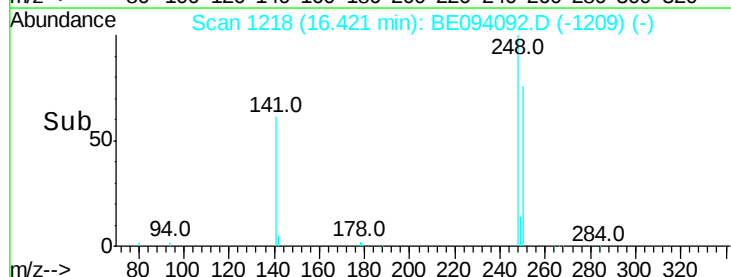
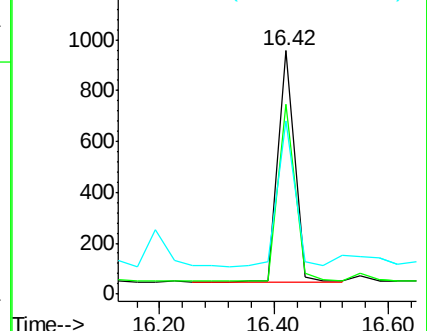
141 71.3 48.2 72.2

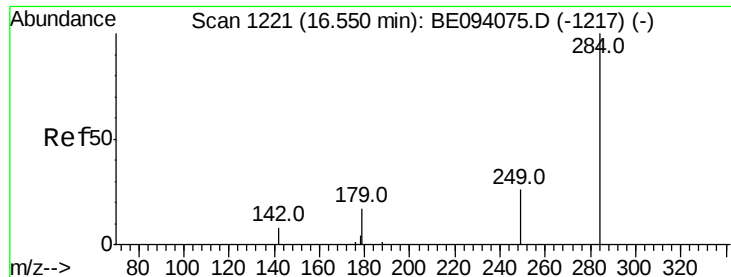


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

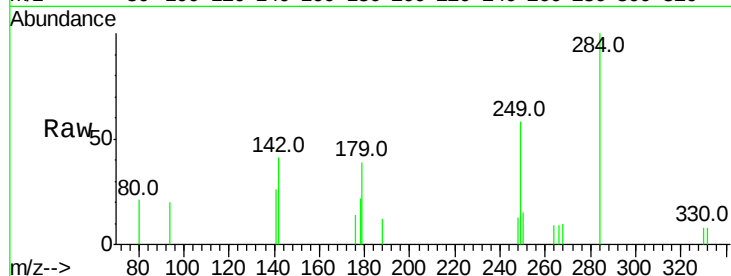




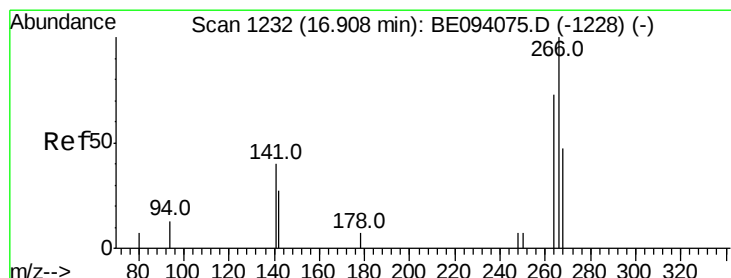
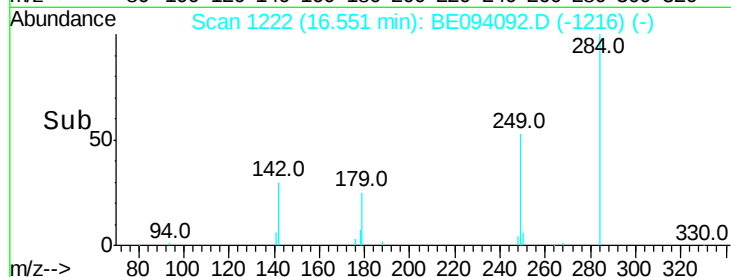
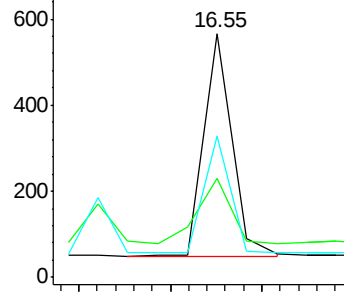
#21
Hexachlorobenzene
Concen: 0.115 ng
RT: 16.55 min Scan# 1222
Delta R.T. 0.00 min
Lab File: BE094092.D
Acq: 23 Sep 2017 23:49

Instrument :
BNA_E
ClientSampleId :

Tot Ion:284 Resp: 1101
Ion Ratio Lower Upper
284 100
142 35.9 22.1 33.1#
249 48.5 34.8 52.2

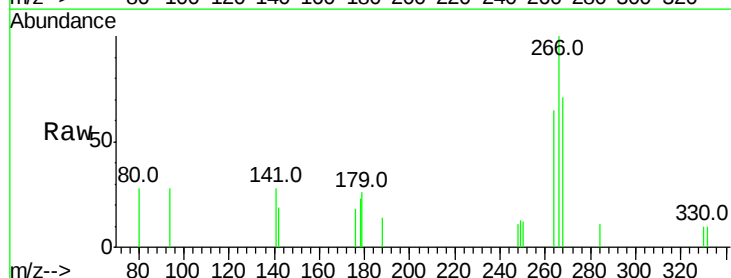


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

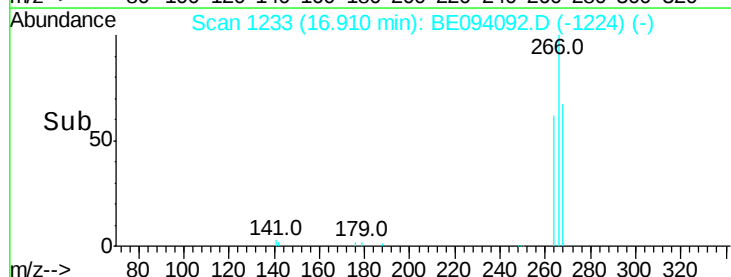
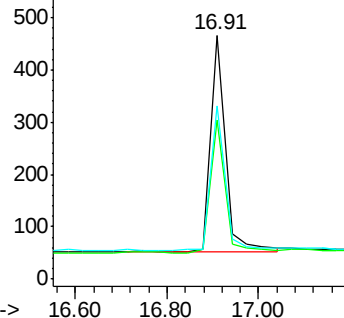


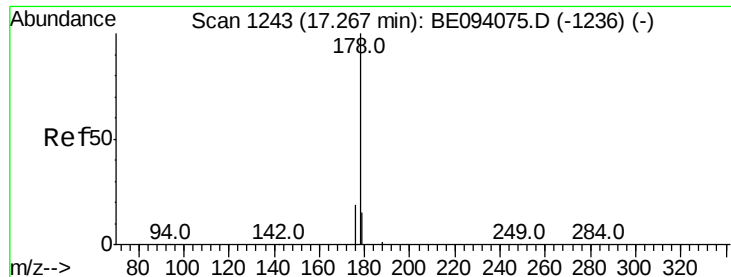
#22
Pentachlorophenol
Concen: 0.294 ng
RT: 16.91 min Scan# 1233
Delta R.T. 0.00 min
Lab File: BE094092.D
Acq: 23 Sep 2017 23:49

Tgt Ion:266 Resp: 972
Ion Ratio Lower Upper
266 100
264 65.2 72.5 108.7#
268 71.2 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: 0.432 ng

RT: 17.27 min Scan# 1244

Delta R.T. 0.00 min

Lab File: BE094092.D

Acq: 23 Sep 2017 23:49

Instrument :

BNA_E

ClientSampleId :

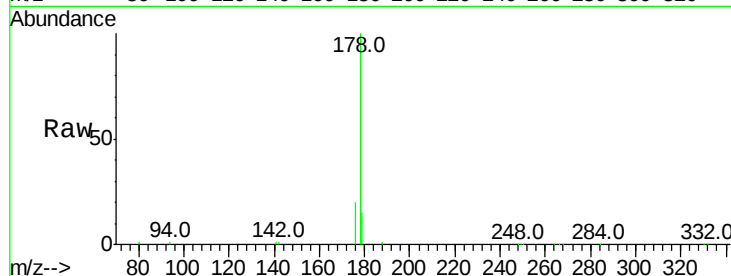
Tot Ion:178 Resp: 37596

Ion Ratio Lower Upper

178 100

176 20.0 15.1 22.7

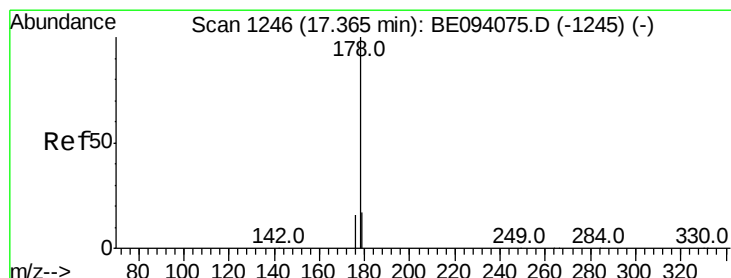
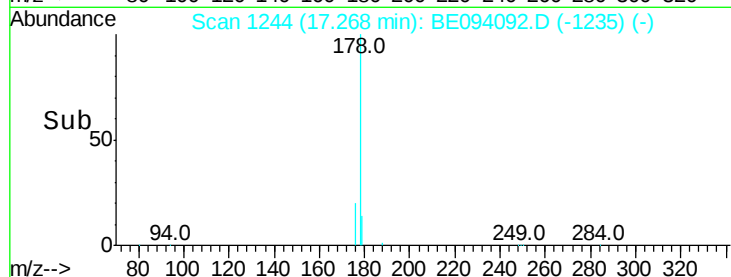
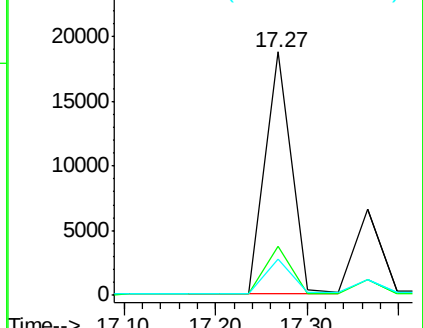
179 15.2 11.8 17.6



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: 0.202 ng

RT: 17.37 min Scan# 1247

Delta R.T. 0.00 min

Lab File: BE094092.D

Acq: 23 Sep 2017 23:49

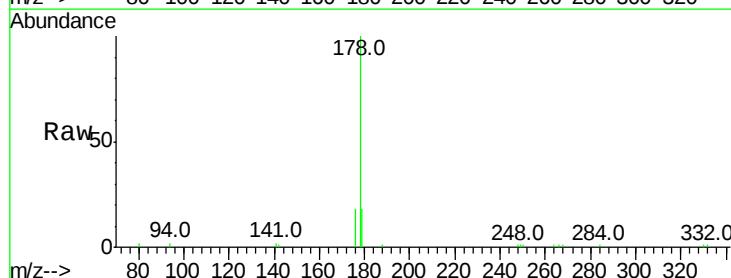
Tgt Ion:178 Resp: 13548

Ion Ratio Lower Upper

178 100

176 16.1 12.8 19.2

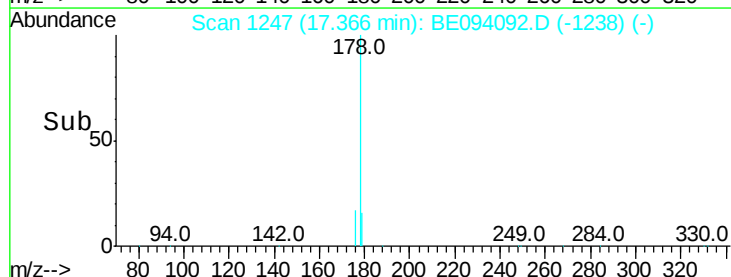
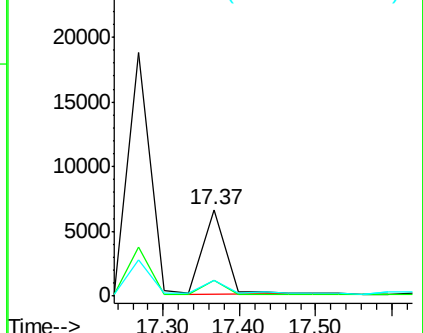
179 18.5 13.0 19.6

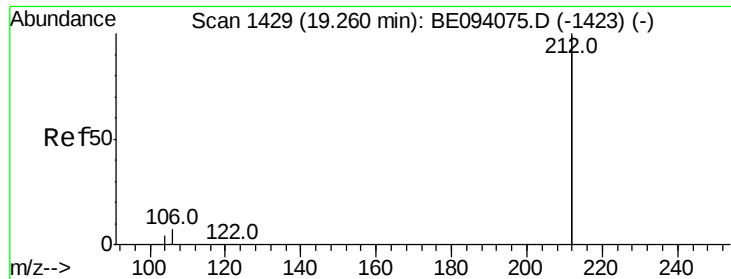


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.075 ng

RT: 19.27 min Scan# 1431

Delta R.T. 0.01 min

Lab File: BE094092.D

Acq: 23 Sep 2017 23:49

Instrument :

BNA_E

ClientSampleId :

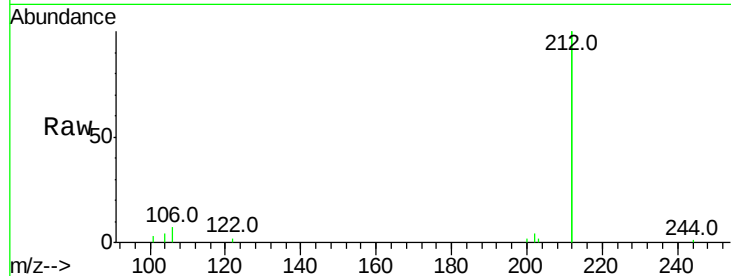
Tot Ion:212 Resp: 23388

Ion Ratio Lower Upper

212 100

106 3.6 2.8 4.2

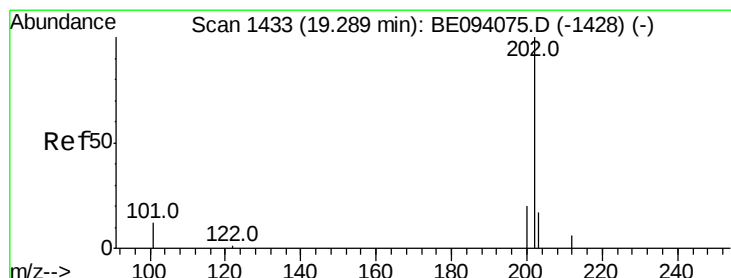
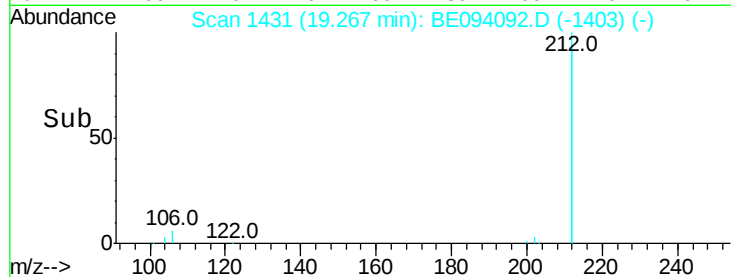
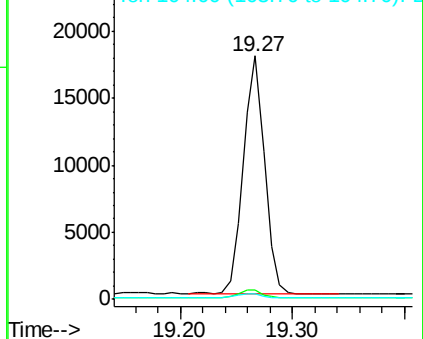
104 2.0 1.6 2.4



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: 0.575 ng

RT: 19.30 min Scan# 1435

Delta R.T. 0.01 min

Lab File: BE094092.D

Acq: 23 Sep 2017 23:49

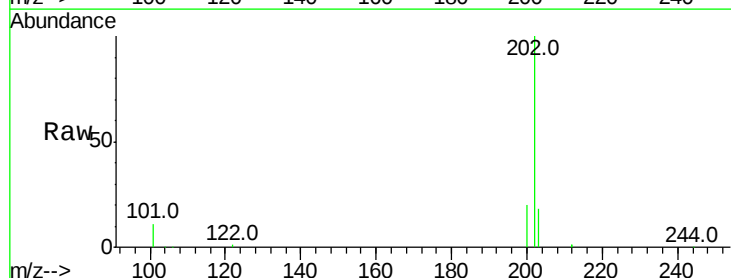
Tgt Ion:202 Resp: 53711

Ion Ratio Lower Upper

202 100

101 12.5 9.8 14.8

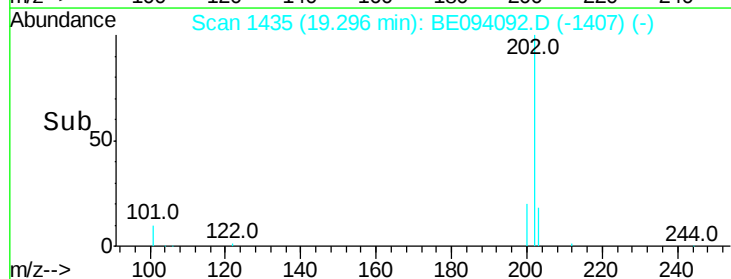
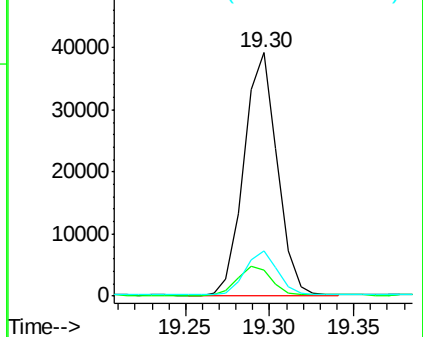
203 17.5 13.7 20.5

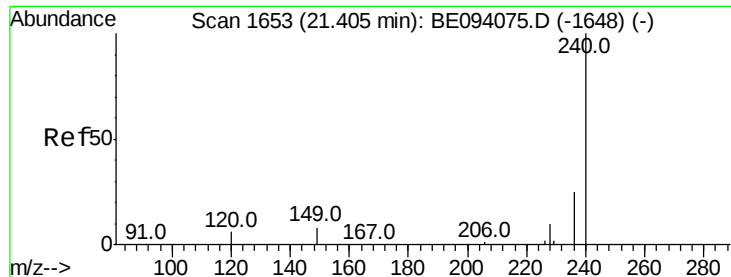


Abundance Ion 202.00 (201.70 to 202.70): E

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: BE094092.D

Acq: 23 Sep 2017 23:49

Instrument :

BNA_E

ClientSampled :

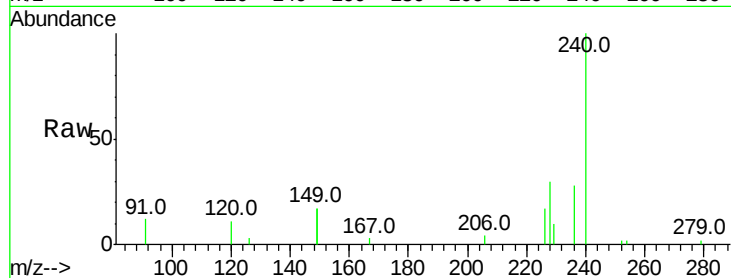
Tot Ion:240 Resp: 14793

Ion Ratio Lower Upper

240 100

120 11.1 5.5 8.3#

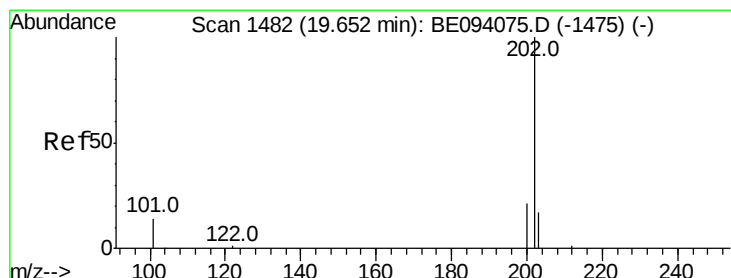
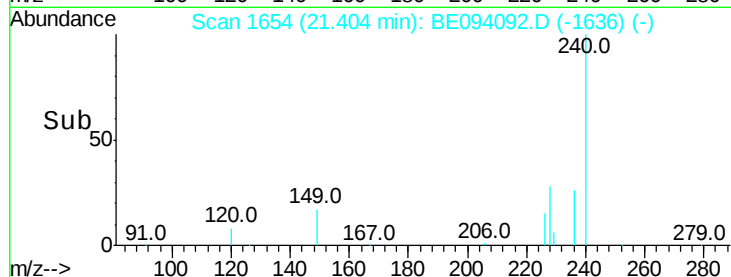
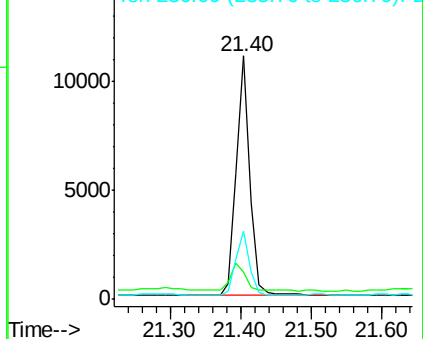
236 27.8 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#28

Pyrene

Concen: 1.302 ng

RT: 19.66 min Scan# 1484

Delta R.T. 0.01 min

Lab File: BE094092.D

Acq: 23 Sep 2017 23:49

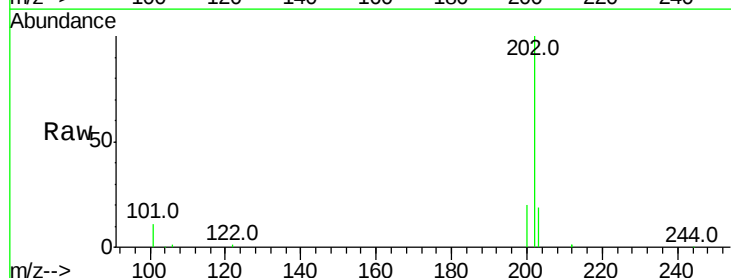
Tgt Ion:202 Resp: 53281

Ion Ratio Lower Upper

202 100

200 21.0 16.6 25.0

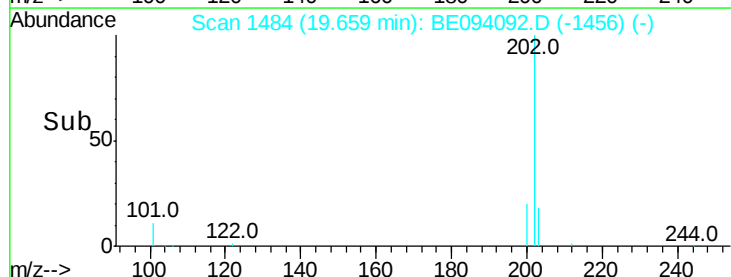
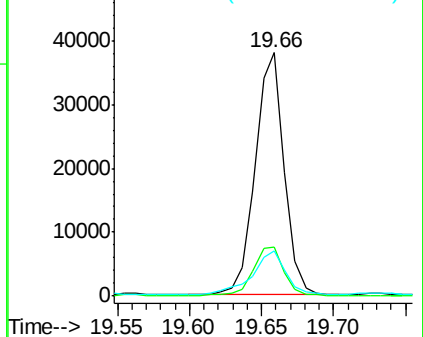
203 21.0 13.8 20.8#

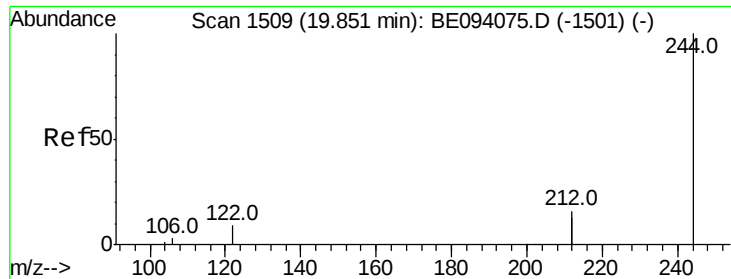


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.154 ng

RT: 19.85 min Scan# 1510

Delta R.T. -0.00 min

Lab File: BE094092.D

Acq: 23 Sep 2017 23:49

Instrument :

BNA_E

ClientSampleId :

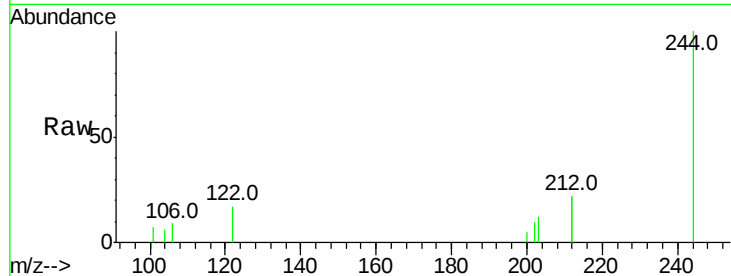
Tot Ion:244 Resp: 3563

Ion Ratio Lower Upper

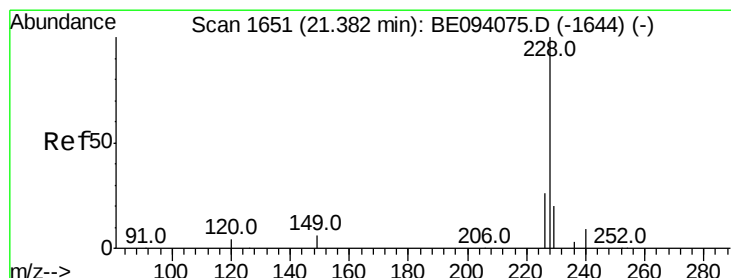
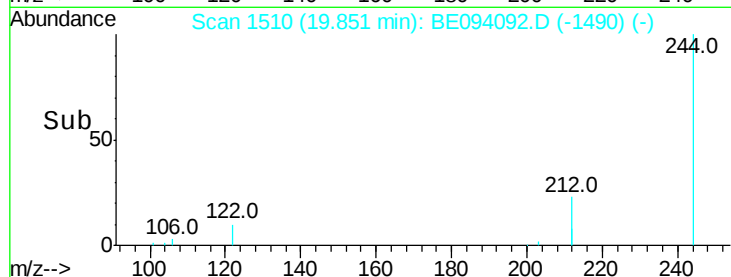
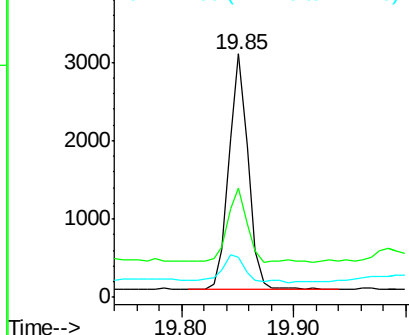
244 100

212 45.0 25.4 38.0#

122 16.7 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: 0.551 ng

RT: 21.38 min Scan# 1652

Delta R.T. -0.00 min

Lab File: BE094092.D

Acq: 23 Sep 2017 23:49

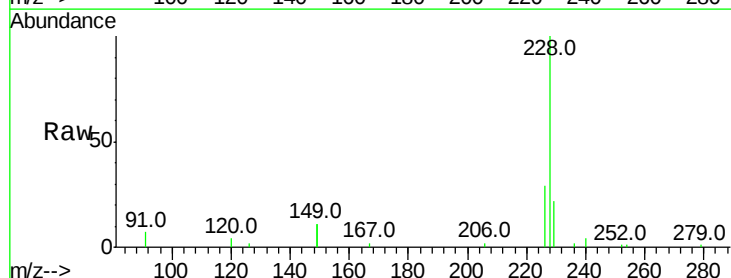
Tgt Ion:228 Resp: 27304

Ion Ratio Lower Upper

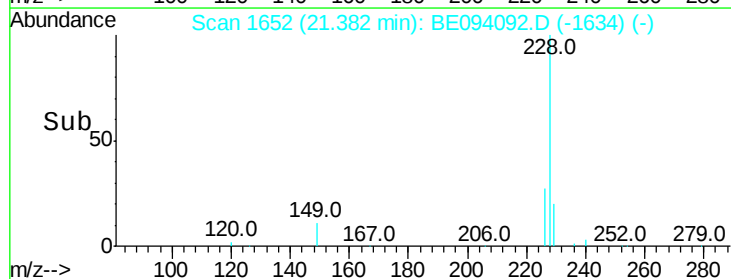
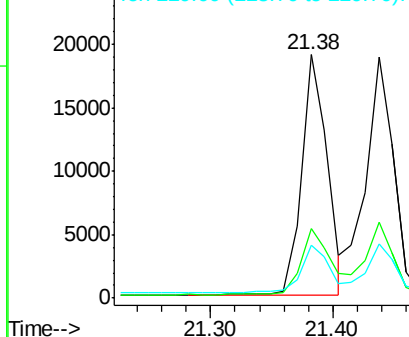
228 100

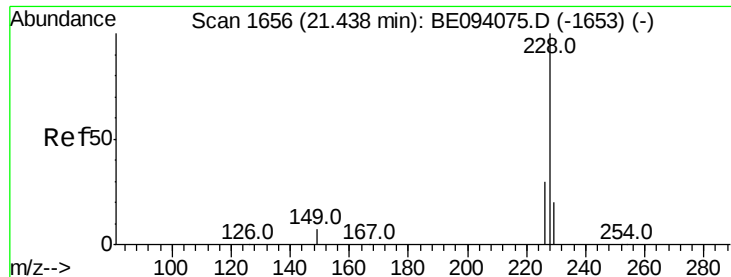
226 28.5 21.4 32.0

229 21.8 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: 0.615 ng

RT: 21.44 min Scan# 1657

Delta R.T. -0.00 min

Lab File: BE094092.D

Acq: 23 Sep 2017 23:49

Instrument :

BNA_E

ClientSampled :

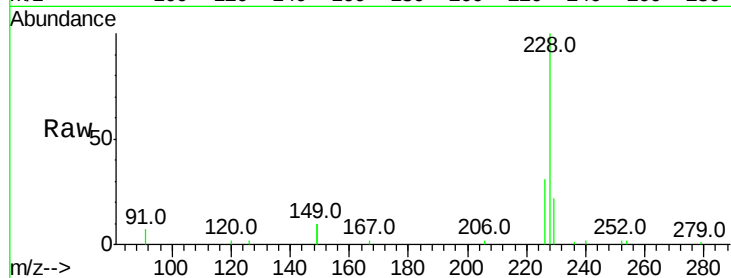
Tot Ion:228 Resp: 29871

Ion Ratio Lower Upper

228 100

226 31.2 23.6 35.4

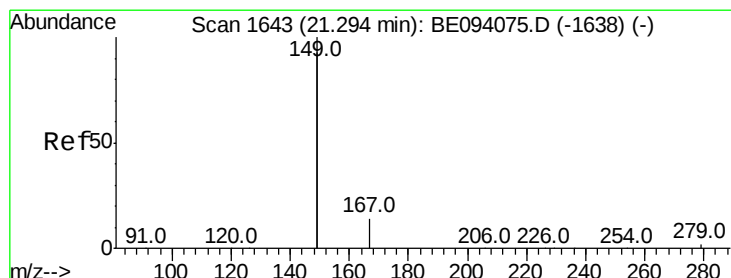
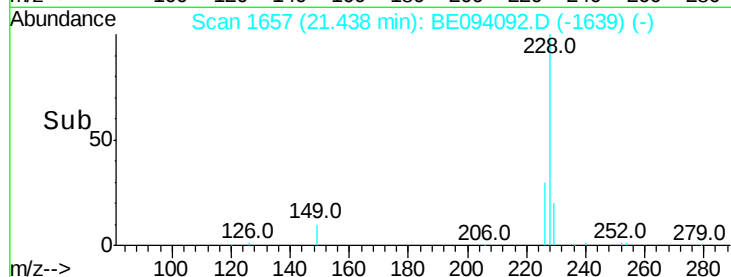
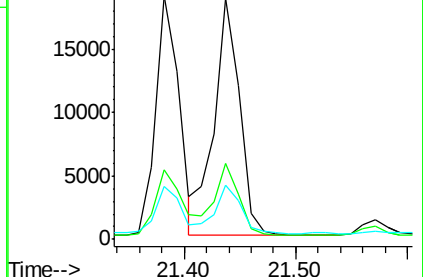
229 22.3 16.4 24.6



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: 1.079 ng

RT: 21.29 min Scan# 1644

Delta R.T. -0.00 min

Lab File: BE094092.D

Acq: 23 Sep 2017 23:49

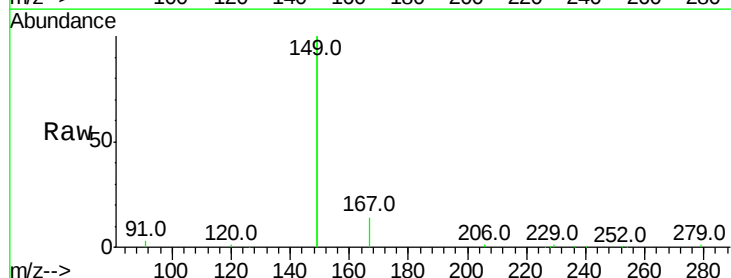
Tgt Ion:149 Resp: 143605

Ion Ratio Lower Upper

149 100

167 6.8 5.4 8.0

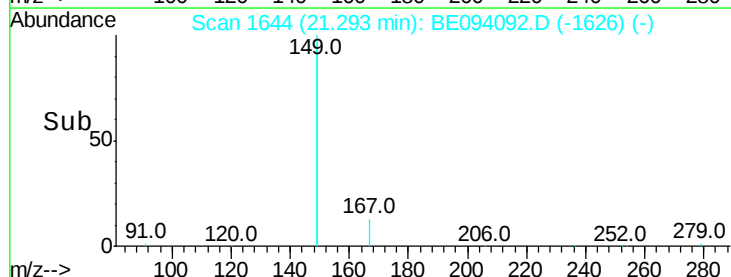
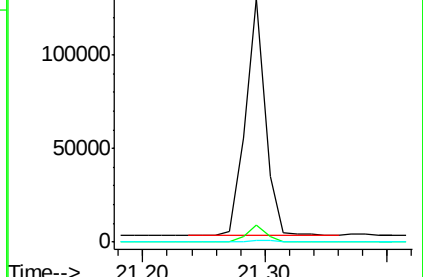
279 0.9 0.7 1.1

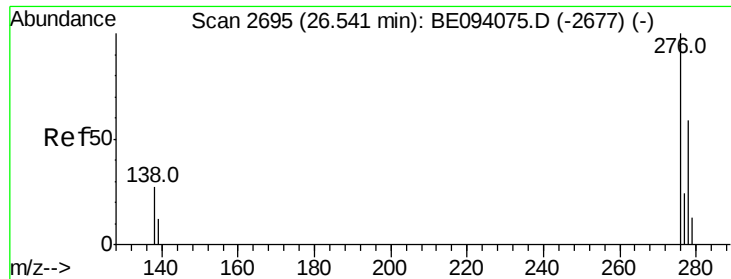


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.494 ng

RT: 26.55 min Scan# 2698

Delta R.T. 0.01 min

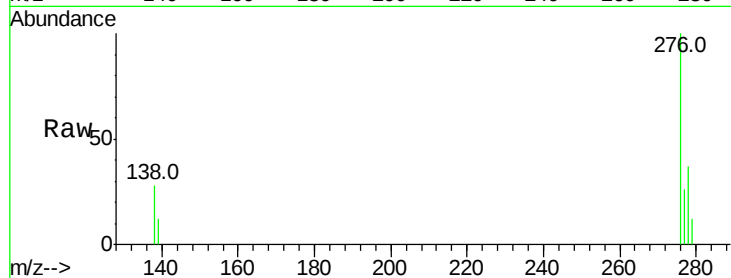
Lab File: BE094092.D

Acq: 23 Sep 2017 23:49

Instrument :

BNA_E

ClientSampleId :



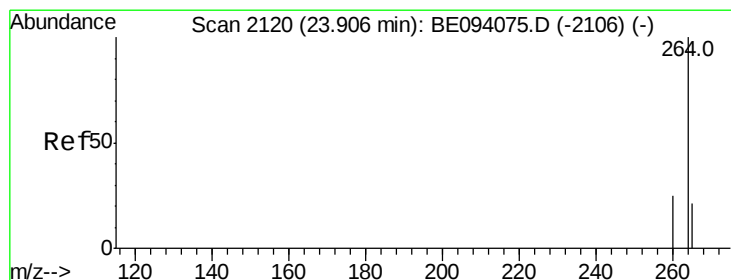
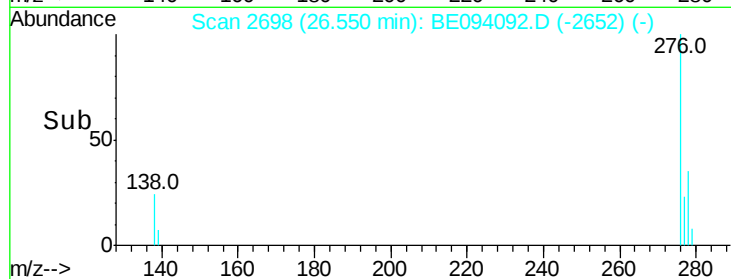
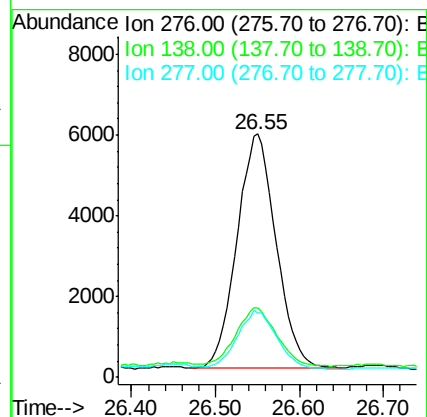
Tot Ion:276 Resp: 18553

Ion Ratio Lower Upper

276 100

138 25.8 22.5 33.7

277 25.3 19.9 29.9



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.91 min Scan# 2121

Delta R.T. 0.00 min

Lab File: BE094092.D

Acq: 23 Sep 2017 23:49

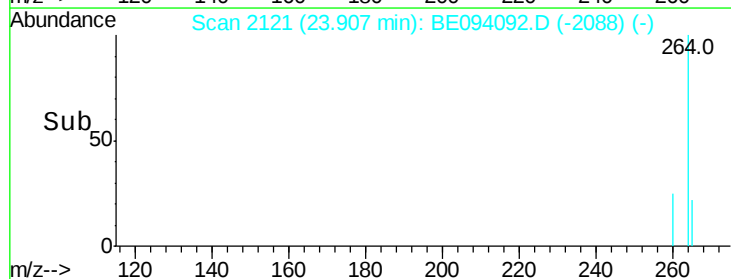
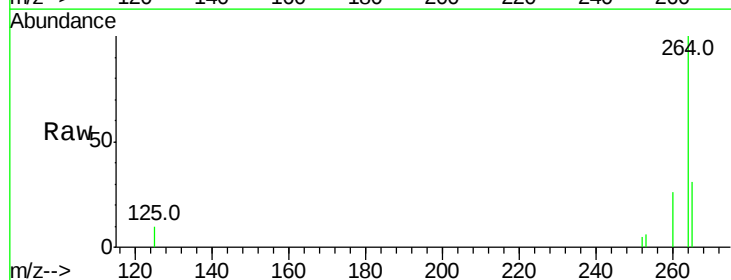
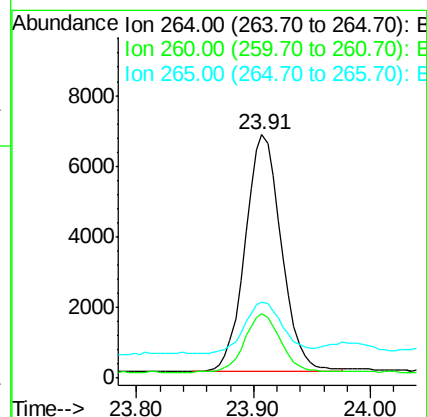
Tgt Ion:264 Resp: 14467

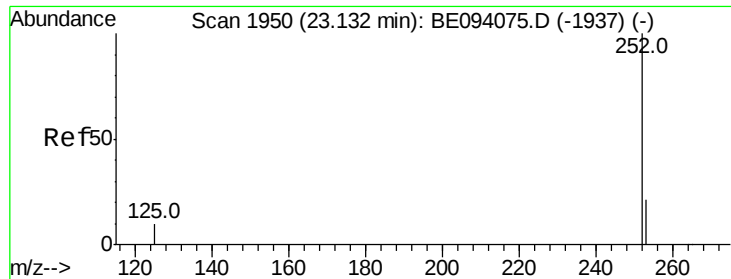
Ion Ratio Lower Upper

264 100

260 26.4 20.5 30.7

265 31.0 22.8 34.2





#35

Benzo(b)fluoranthene

Concen: 0.631 ng

RT: 23.14 min Scan# 1952

Delta R.T. 0.01 min

Lab File: BE094092.D

Acq: 23 Sep 2017 23:49

Instrument :

BNA_E

ClientSampleId :

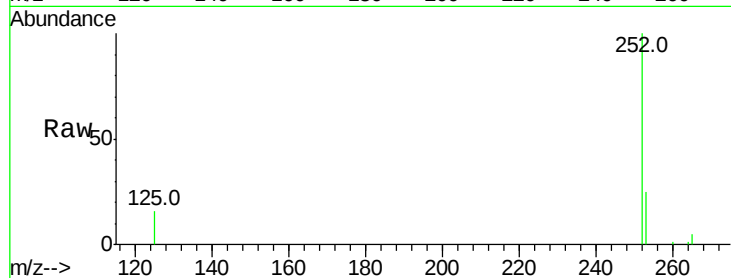
Tot Ion:252 Resp: 33032

Ion Ratio Lower Upper

252 100

253 24.6 18.2 27.2

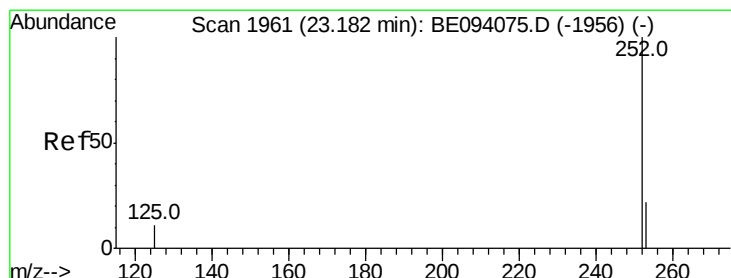
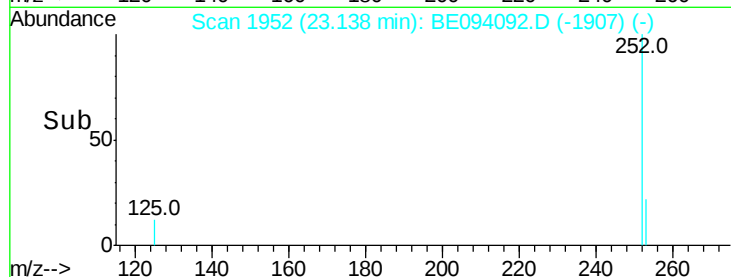
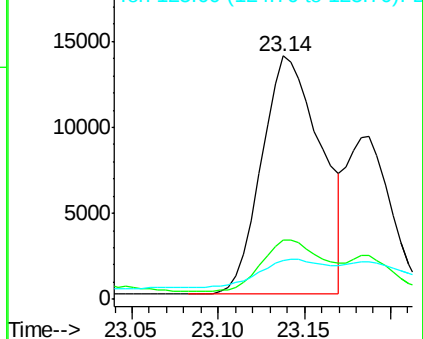
125 16.2 10.1 15.1#



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: 0.274 ng

RT: 23.19 min Scan# 1963

Delta R.T. 0.01 min

Lab File: BE094092.D

Acq: 23 Sep 2017 23:49

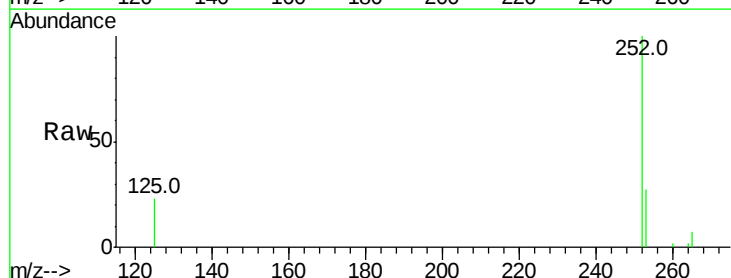
Tgt Ion:252 Resp: 14369

Ion Ratio Lower Upper

252 100

253 26.9 18.6 27.8

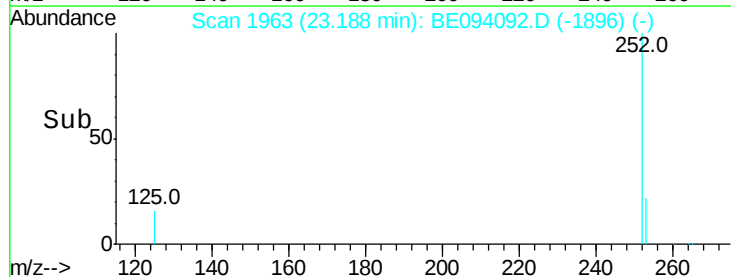
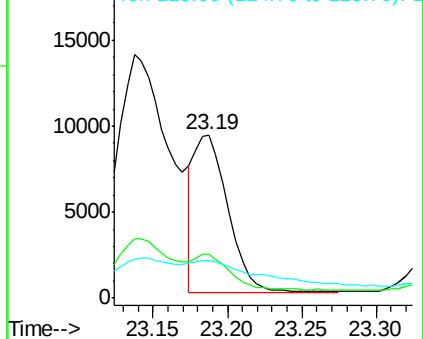
125 22.9 10.7 16.1#

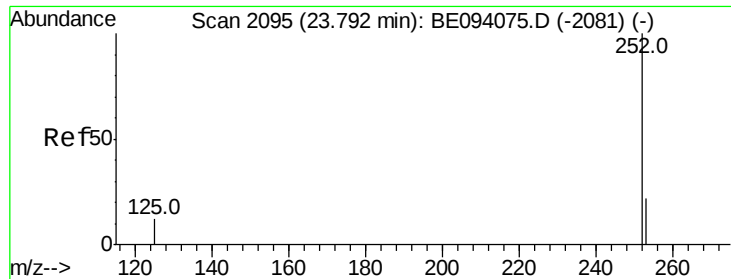


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.535 ng

RT: 23.79 min Scan# 2096

Delta R.T. 0.00 min

Lab File: BE094092.D

Acq: 23 Sep 2017 23:49

Instrument :

BNA_E

ClientSampleId :

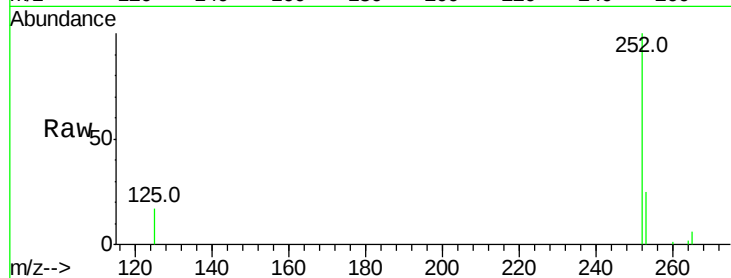
Tot Ion:252 Resp: 25150

Ion Ratio Lower Upper

252 100

253 25.0 19.0 28.6

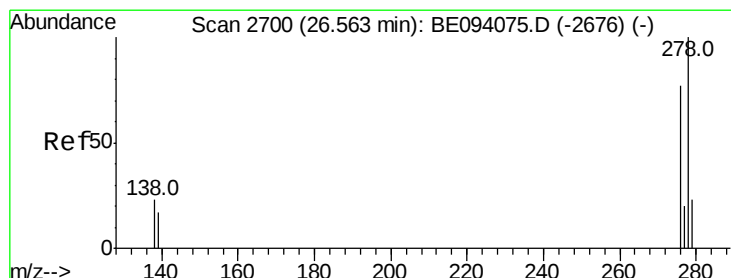
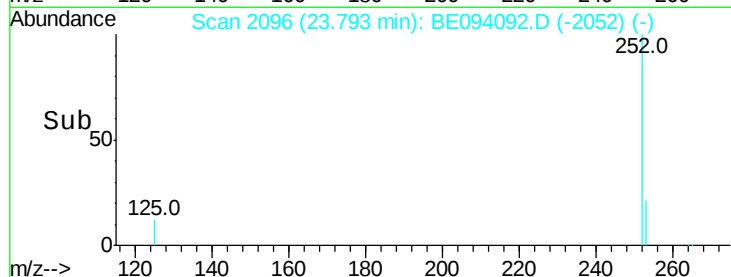
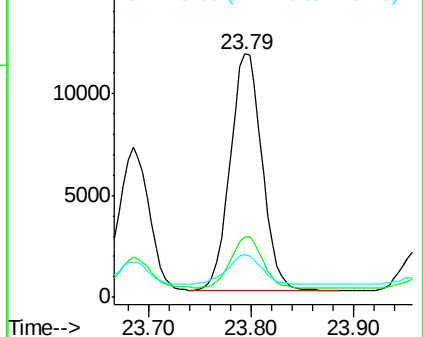
125 17.4 11.8 17.8



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: 0.213 ng

RT: 26.56 min Scan# 2700

Delta R.T. -0.00 min

Lab File: BE094092.D

Acq: 23 Sep 2017 23:49

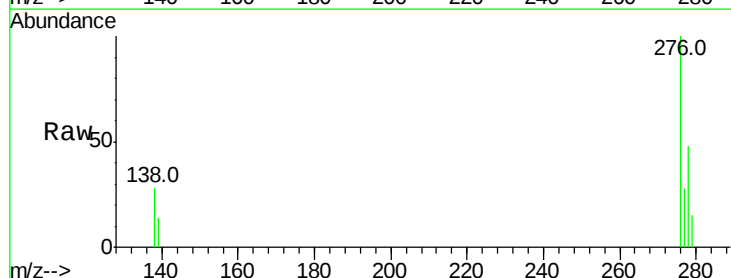
Tgt Ion:278 Resp: 8011

Ion Ratio Lower Upper

278 100

139 29.2 16.3 24.5#

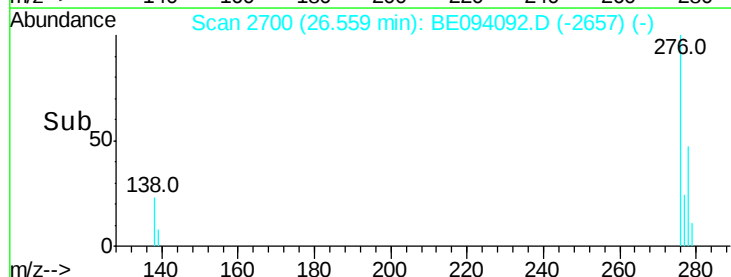
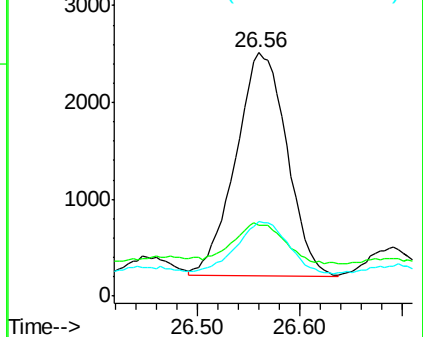
279 30.8 19.9 29.9#

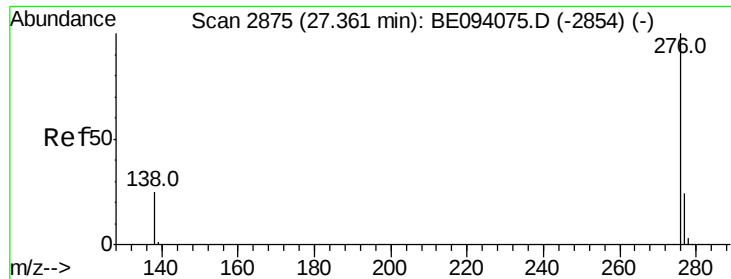


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.480 ng

RT: 27.37 min Scan# 2878

Delta R.T. 0.01 min

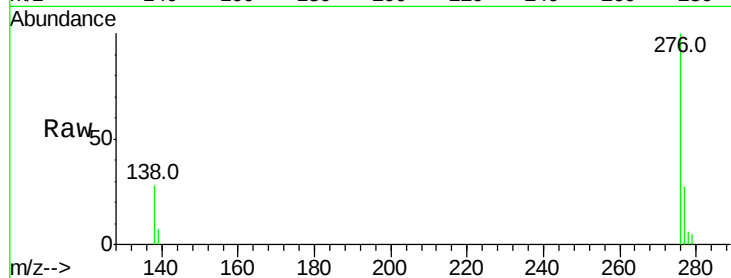
Lab File: BE094092.D

Acq: 23 Sep 2017 23:49

Instrument :

BNA_E

ClientSampleId :



Tot Ion: 276 Resp: 18057

Ion Ratio Lower Upper

276 100

277 27.2 20.8 31.2

138 28.2 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

