

Data Path : Z:\HPCHEM1\BNA E\Data\BE092317\
 Data File : BE094075.D
 Acq On : 23 Sep 2017 13:16
 Operator : SJ/JU
 Sample : SSTDICCC0.4
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Sep 23 14:53:13 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 23 14:52:59 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.908	152	903	0.40	ng	0.00
7) Naphthalene-d8	10.690	136	4722	0.40	ng	0.00
13) Acenaphthene-d10	14.509	164	3300	0.40	ng	0.00
19) Phenanthrene-d10	17.234	188	13033	0.40	ng	0.00
27) Chrysene-d12	21.405	240	17386	0.40	ng	0.00
34) Perylene-d12	23.906	264	13870	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.503	112	1908	0.65	ng	0.00
5) Phenol-d6	7.090	99	2134	0.49	ng	0.00
8) Nitrobenzene-d5	9.062	82	1658	0.42	ng	0.00
11) 2-Methylnaphthalene-d10	12.273	152	3118	0.41	ng	0.00
14) 2,4,6-Tribromophenol	15.996	330	1644	1.61	ng	0.00
15) 2-Fluorobiphenyl	13.131	172	5394	0.41	ng	0.00
25) Fluoranthene-d10	19.260	212	62397	0.32	ng	0.00
29) Terphenyl-d14	19.851	244	11540	0.36	ng	0.00

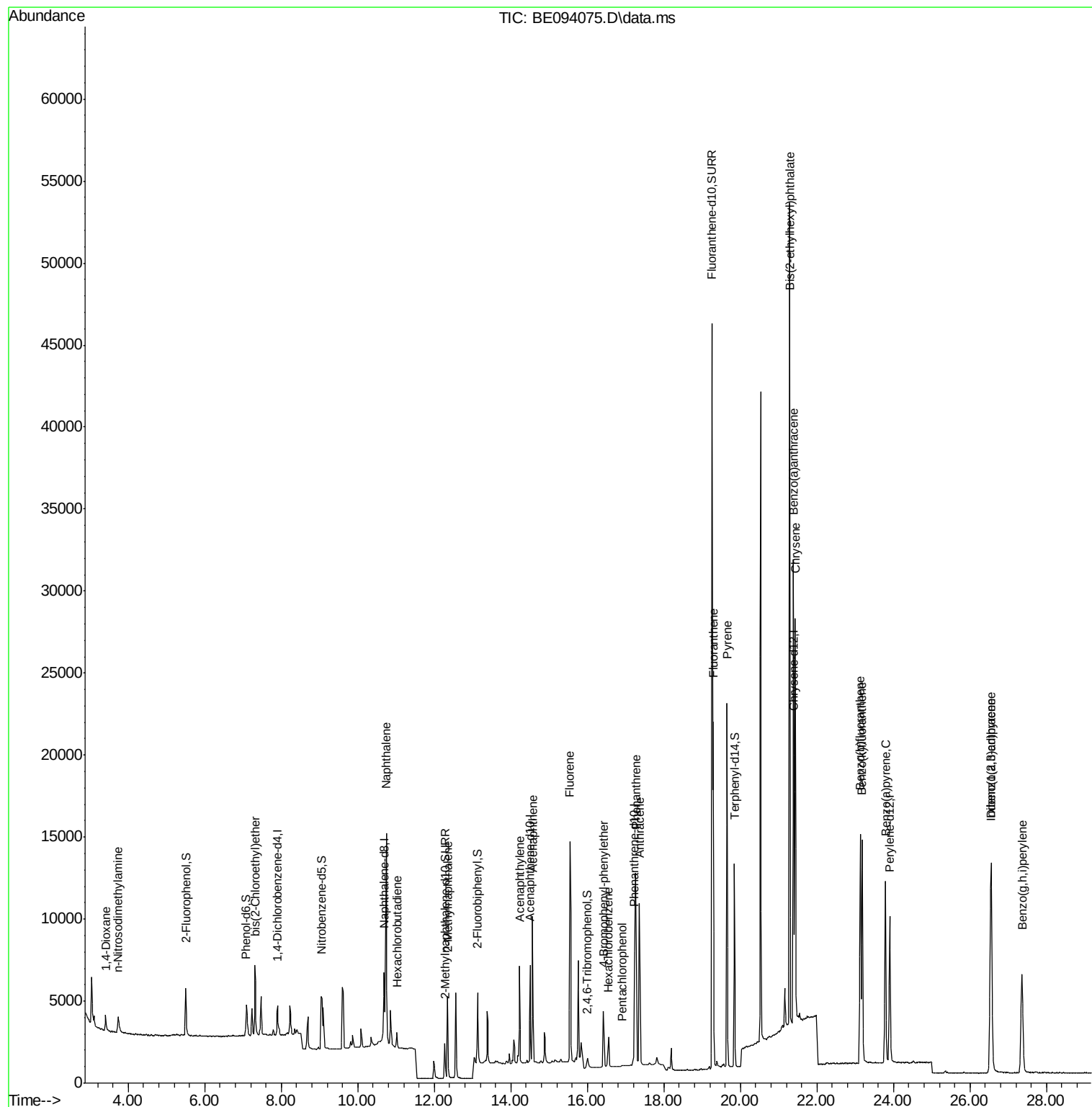
Target Compounds						Qvalue
2) 1,4-Dioxane	3.413	88	746	0.60	ng	# 87
3) n-Nitrosodimethylamine	3.728	42	780	0.54	ng	# 95
6) bis(2-Chloroethyl)ether	7.329	93	1605	0.45	ng	95
9) Naphthalene	10.740	128	25081	0.46	ng	100
10) Hexachlorobutadiene	11.026	225	753	0.38	ng	96
12) 2-Methylnaphthalene	12.345	142	3712	0.41	ng	98
16) Acenaphthylene	14.228	152	6640	0.40	ng	100
17) Acenaphthene	14.568	154	4427	0.40	ng	96
18) Fluorene	15.546	166	6416	0.45	ng	98
20) 4-Bromophenyl-phenylether	16.420	248	2644	0.37	ng	# 50
21) Hexachlorobenzene	16.550	284	1870	0.24	ng	# 100
22) Pentachlorophenol	16.908	266	96	0.05	ng	# 75
23) Phenanthrene	17.267	178	17891	0.42	ng	# 98
24) Anthracene	17.365	178	15007	0.38	ng	# 91
26) Fluoranthene	19.289	202	18681	0.32	ng	100
28) Pyrene	19.652	202	20455	0.34	ng	99
30) Benzo(a)anthracene	21.382	228	23263	0.44	ng	99
31) Chrysene	21.438	228	23325	0.41	ng	98
32) Bis(2-ethylhexyl)phtha...	21.294	149	63359	0.49	ng	100
33) Indeno(1,2,3-cd)pyrene	26.541	276	17190	0.46	ng	99
35) Benzo(b)fluoranthene	23.132	252	20238	0.46	ng	98
36) Benzo(k)fluoranthene	23.182	252	20169	0.37	ng	98
37) Benzo(a)pyrene	23.792	252	17945	0.40	ng	99
38) Dibenzo(a,h)anthracene	26.563	278	14704	0.49	ng	97
39) Benzo(g,h,i)perylene	27.361	276	14763	0.47	ng	99

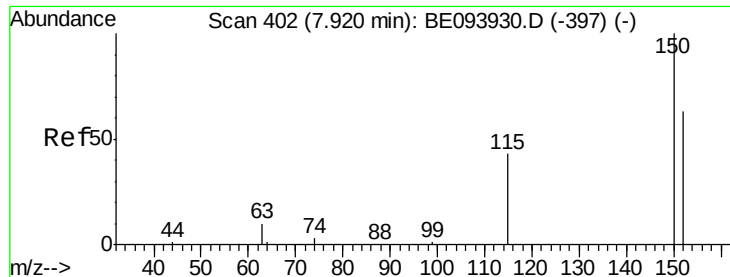
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.40 ng

RT: 7.908 min Scan# 40

Delta R.T. 0.000 min

Lab File: BE094075.D

Acq: 23 Sep 2017 13:16

Instrument :

BNA_E

ClientSampleId :

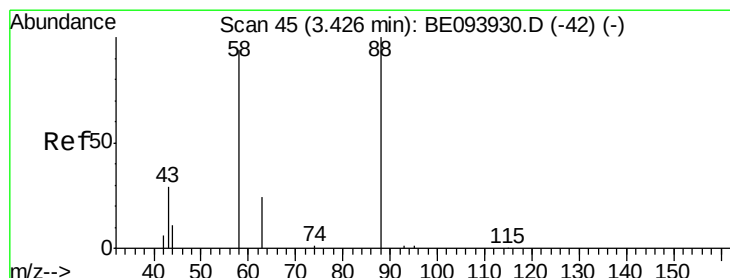
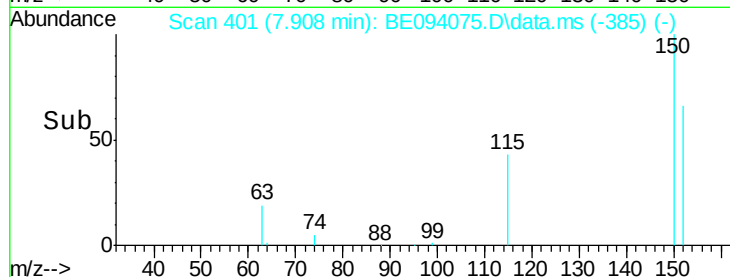
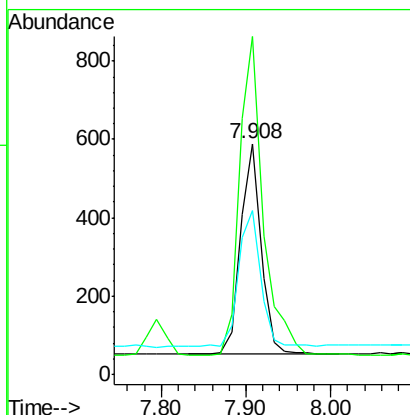
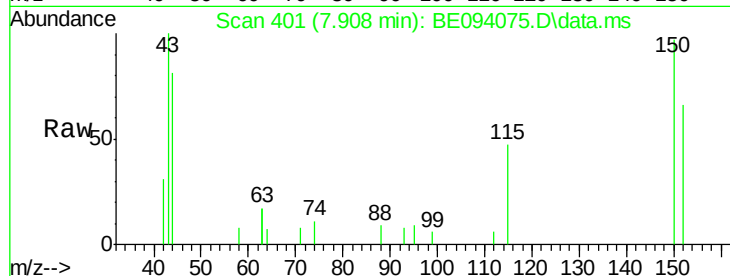
Tot Ion:152 Resp: 903

Ion Ratio Lower Upper

152 100

150 146.5 121.8 182.6

115 71.3 52.6 79.0



#2

1,4-Dioxane

Concen: 0.60 ng

RT: 3.413 min Scan# 44

Delta R.T. 0.000 min

Lab File: BE094075.D

Acq: 23 Sep 2017 13:16

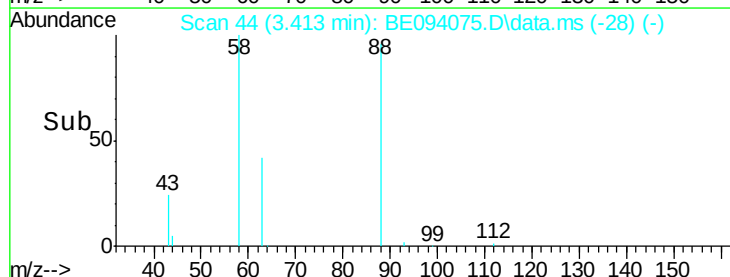
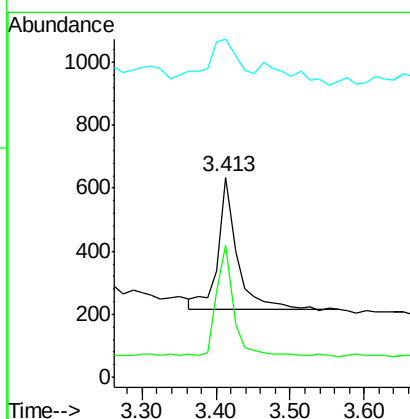
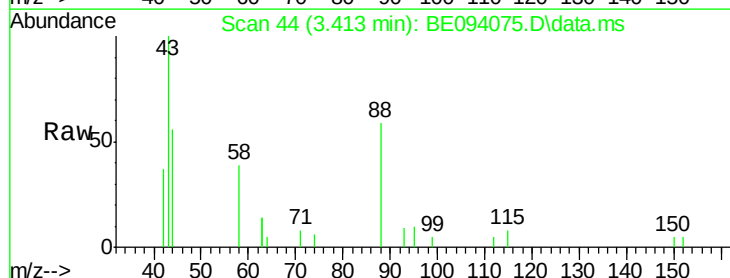
Tgt Ion: 88 Resp: 746

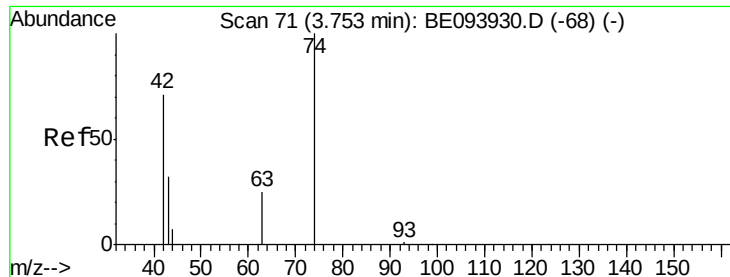
Ion Ratio Lower Upper

88 100

58 79.0 65.4 98.0

43 51.5 23.9 35.9#





#3

n-Nitrosodimethylamine

Concen: 0.54 ng

RT: 3.728 min Scan# 69

Delta R.T. 0.000 min

Lab File: BE094075.D

Acq: 23 Sep 2017 13:16

Instrument :

BNA_E

ClientSampleId :

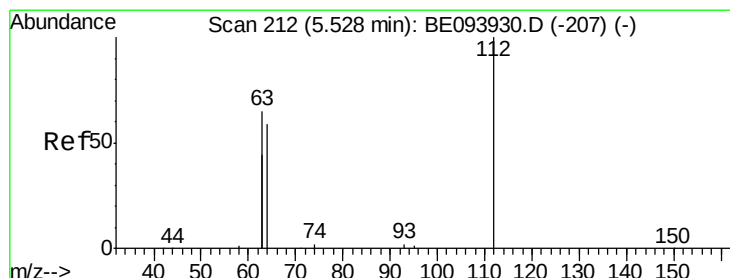
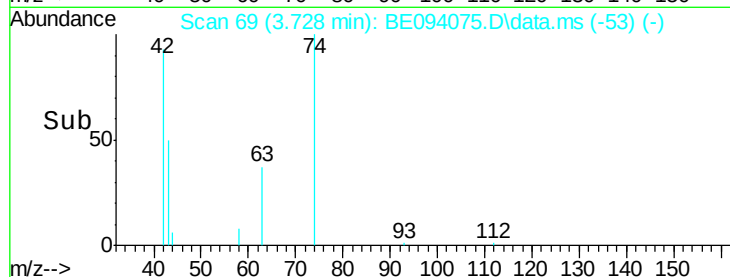
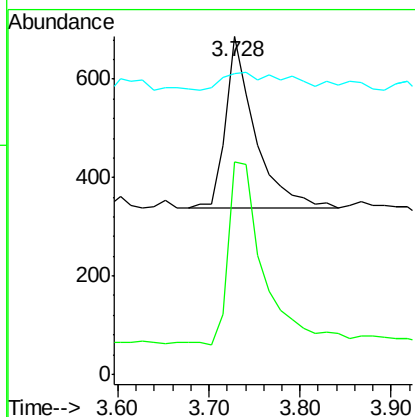
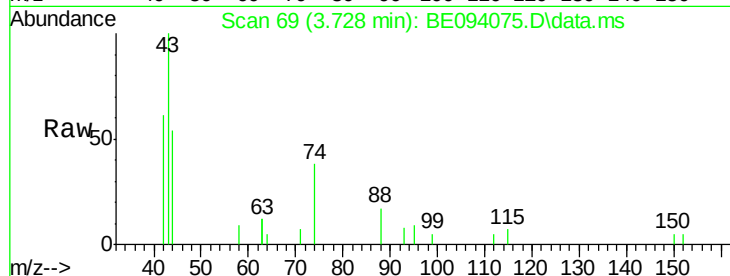
Tot Ion: 42 Resp: 780

Ion Ratio Lower Upper

42 100

74 125.4 104.0 156.0

44 21.2 13.8 20.8#



#4

2-Fluorophenol

Concen: 0.65 ng

RT: 5.503 min Scan# 210

Delta R.T. 0.000 min

Lab File: BE094075.D

Acq: 23 Sep 2017 13:16

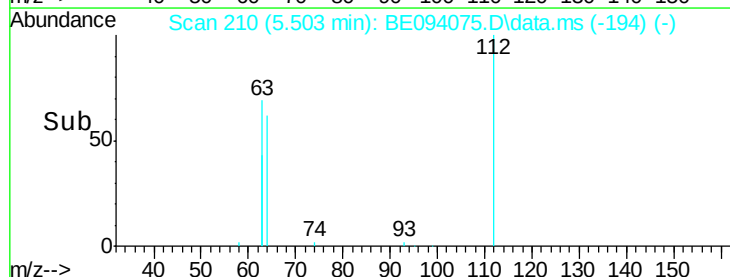
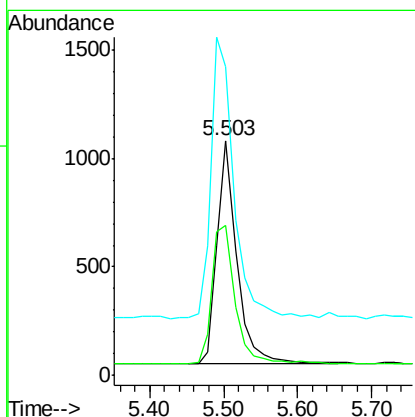
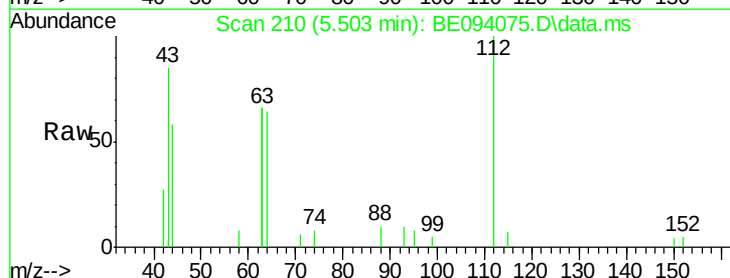
Tgt Ion: 112 Resp: 1908

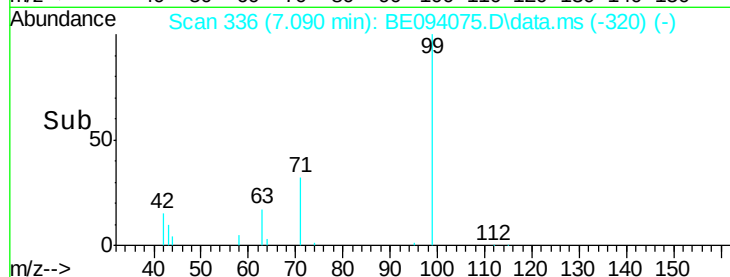
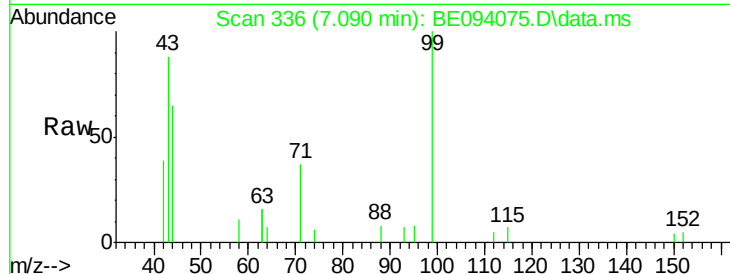
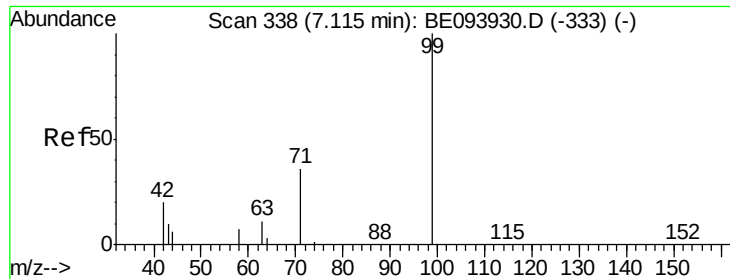
Ion Ratio Lower Upper

112 100

64 75.1 57.7 86.5

63 146.0 116.0 174.0





#5

Phenol-d6

Concen: 0.49 ng

RT: 7.090 min Scan# 33

Delta R.T. 0.000 min

Lab File: BE094075.D

Acq: 23 Sep 2017 13:16

Instrument :

BNA_E

ClientSampleId :

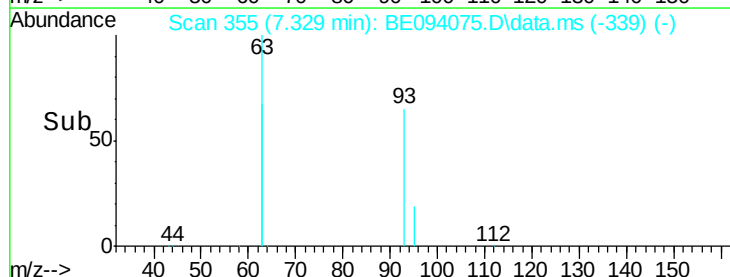
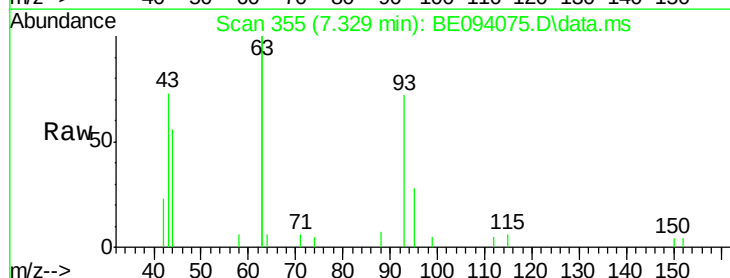
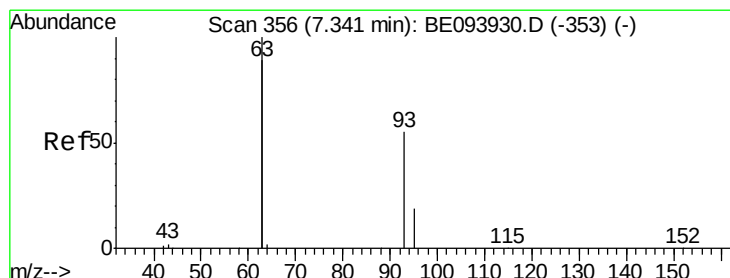
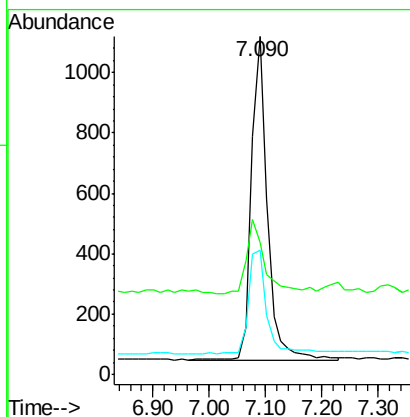
Tot Ion: 99 Resp: 2134

Ion Ratio Lower Upper

99 100

42 25.2 17.1 25.7

71 35.5 26.6 39.8



#6

bis(2-Chloroethyl)ether

Concen: 0.45 ng

RT: 7.329 min Scan# 355

Delta R.T. 0.000 min

Lab File: BE094075.D

Acq: 23 Sep 2017 13:16

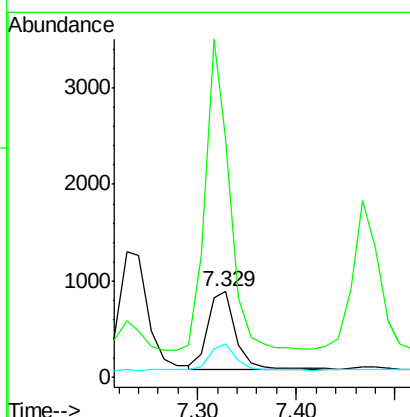
Tgt Ion: 93 Resp: 1605

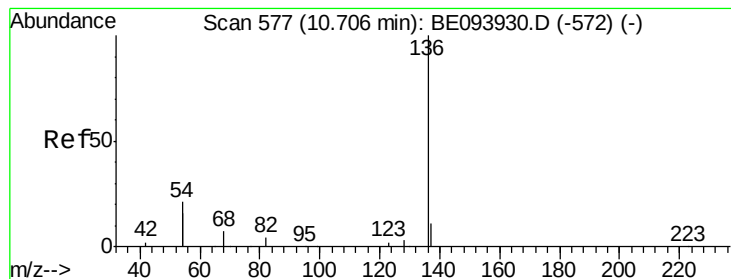
Ion Ratio Lower Upper

93 100

63 344.1 283.4 425.2

95 31.5 26.9 40.3





#7

Naphthalene-d8

Concen: 0.40 ng

RT: 10.690 min Scan# 57

Delta R.T. 0.000 min

Lab File: BE094075.D

Acq: 23 Sep 2017 13:16

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 4722

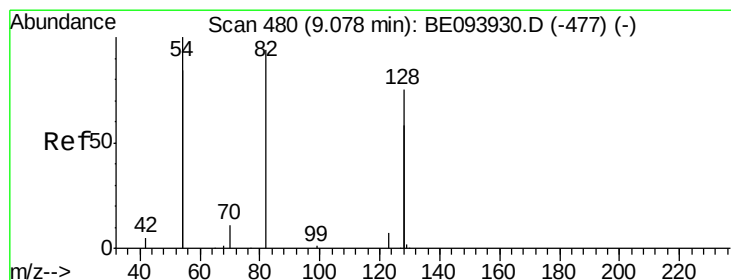
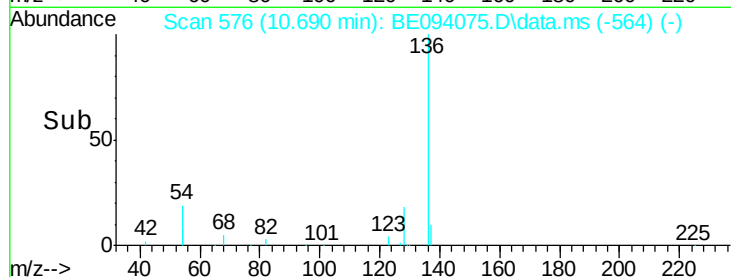
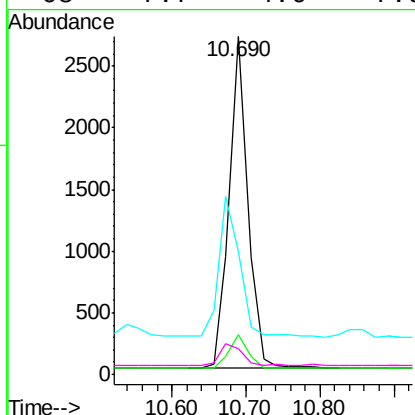
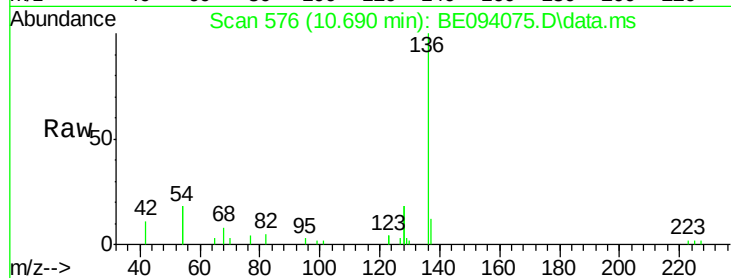
Ion Ratio Lower Upper

136 100

137 11.9 9.2 13.8

54 36.4 21.9 32.9#

68 7.7 4.6 7.0#



#8

Nitrobenzene-d5

Concen: 0.42 ng

RT: 9.062 min Scan# 479

Delta R.T. 0.000 min

Lab File: BE094075.D

Acq: 23 Sep 2017 13:16

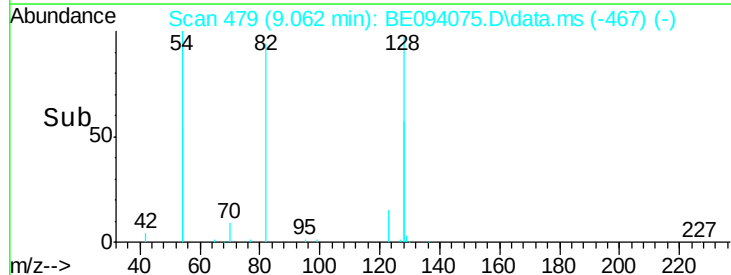
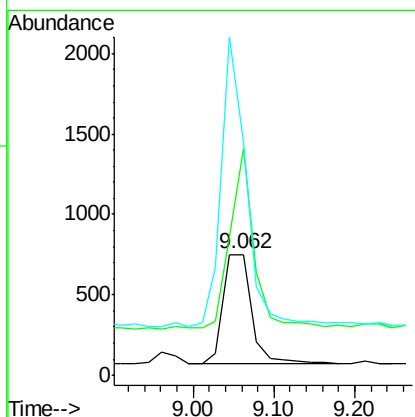
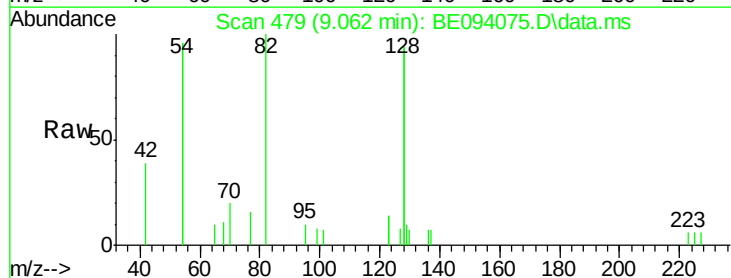
Tgt Ion: 82 Resp: 1658

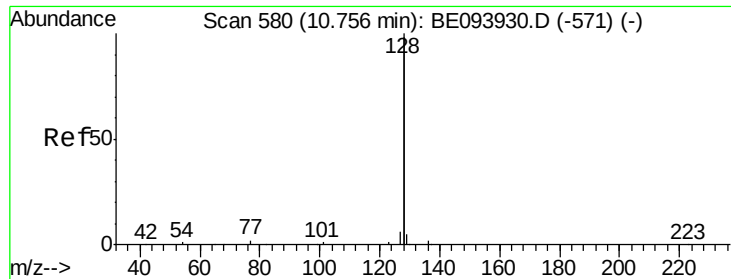
Ion Ratio Lower Upper

82 100

128 187.5 91.4 137.0#

54 192.8 197.8 296.8#





#9

Naphthalene

Concen: 0.46 ng

RT: 10.740 min Scan# 57

Delta R.T. 0.000 min

Lab File: BE094075.D

Acq: 23 Sep 2017 13:16

Instrument :

BNA_E

ClientSampled :

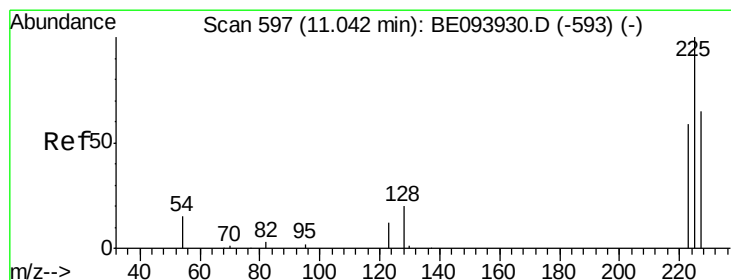
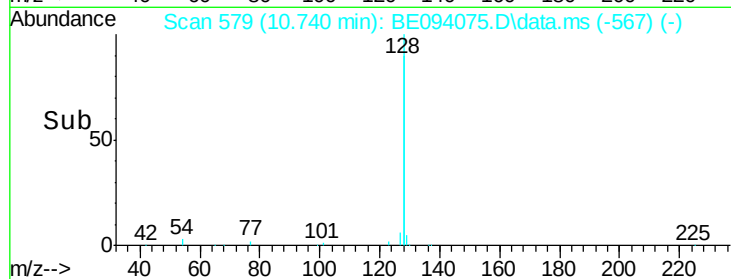
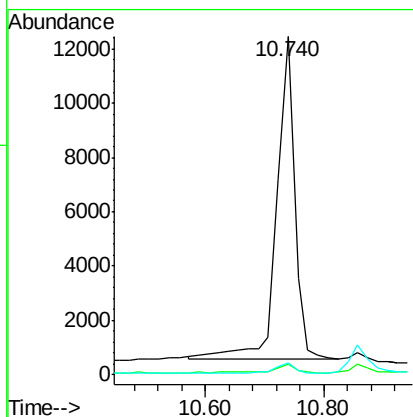
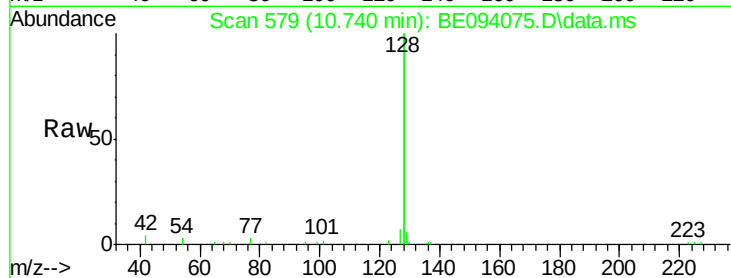
Tot Ion:128 Resp: 25081

Ion Ratio Lower Upper

128 100

129 3.2 2.5 3.7

127 3.5 2.6 4.0



#10

Hexachlorobutadiene

Concen: 0.38 ng

RT: 11.026 min Scan# 596

Delta R.T. 0.000 min

Lab File: BE094075.D

Acq: 23 Sep 2017 13:16

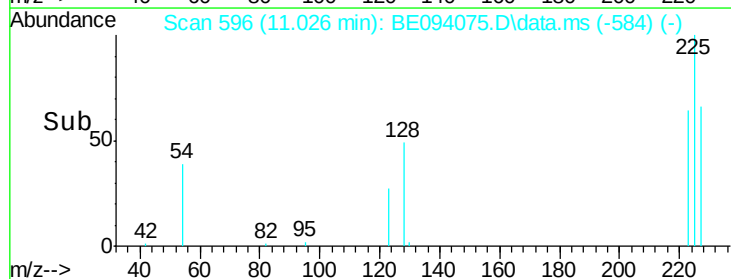
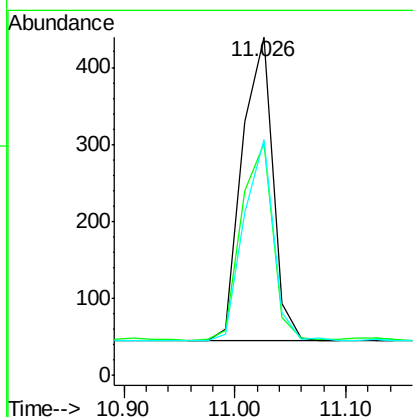
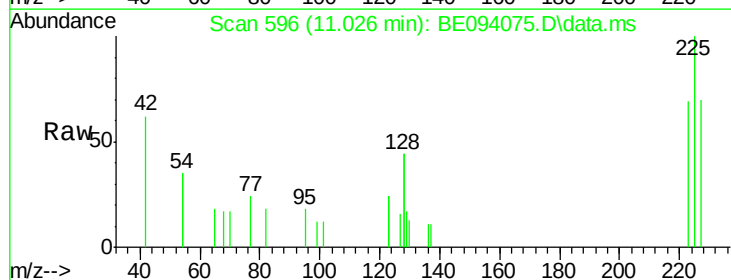
Tgt Ion:225 Resp: 753

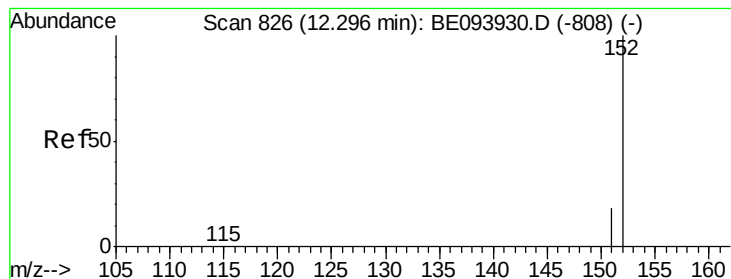
Ion Ratio Lower Upper

225 100

223 66.3 49.4 74.0

227 64.3 50.5 75.7





#11

2-Methylnaphthalene-d10

Concen: 0.41 ng

RT: 12.273 min Scan# 82

Delta R.T. 0.000 min

Lab File: BE094075.D

Acq: 23 Sep 2017 13:16

Instrument :

BNA_E

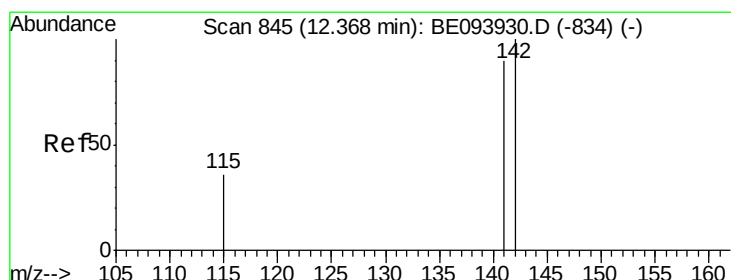
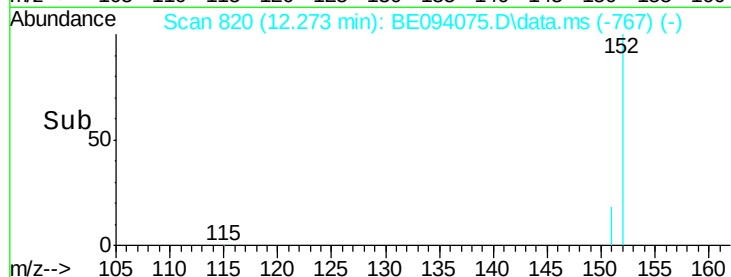
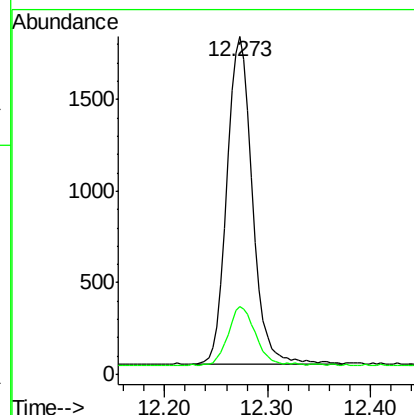
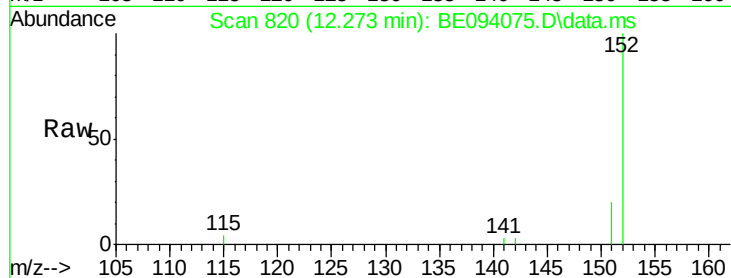
ClientSampleId :

Tot Ion:152 Resp: 3118

Ion Ratio Lower Upper

152 100

151 19.2 15.4 23.0



#12

2-Methylnaphthalene

Concen: 0.41 ng

RT: 12.345 min Scan# 839

Delta R.T. 0.000 min

Lab File: BE094075.D

Acq: 23 Sep 2017 13:16

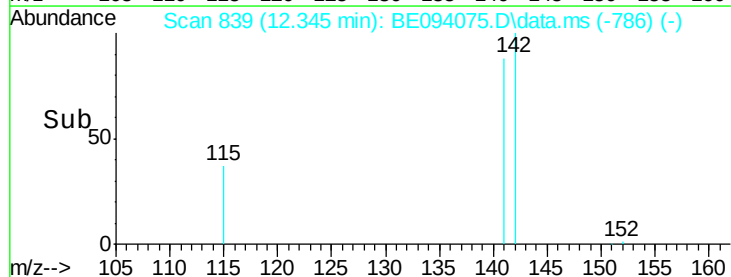
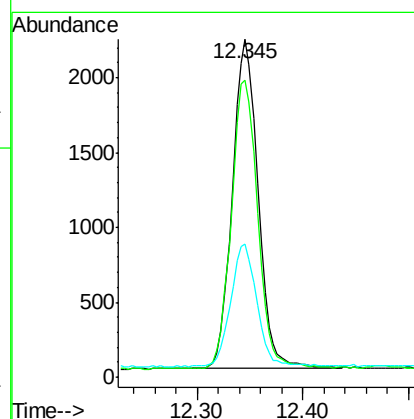
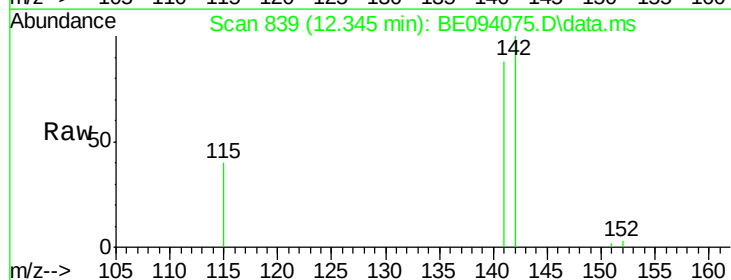
Tgt Ion:142 Resp: 3712

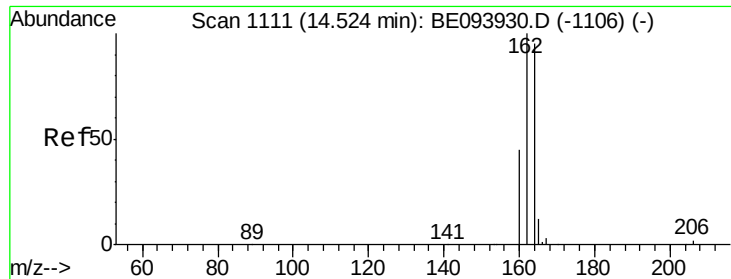
Ion Ratio Lower Upper

142 100

141 88.0 71.4 107.2

115 39.6 29.4 44.0





#13

Acenaphthene-d10

Concen: 0.40 ng

RT: 14.509 min Scan# 1111

Delta R.T. 0.000 min

Lab File: BE094075.D

Acq: 23 Sep 2017 13:16

Instrument :

BNA_E

ClientSampleId :

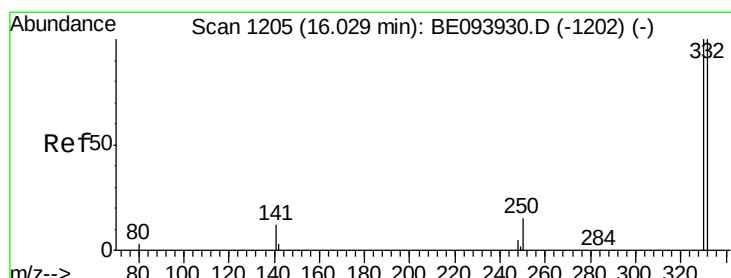
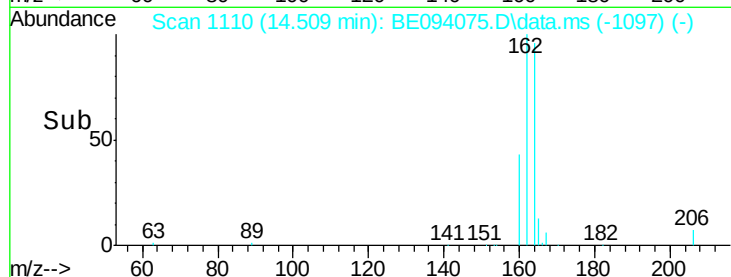
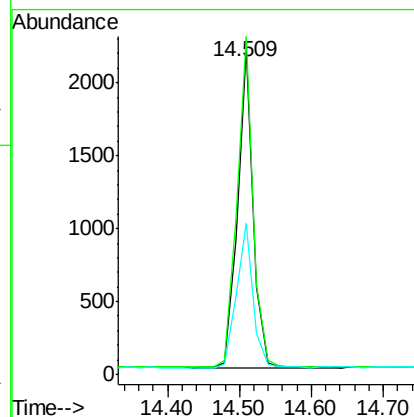
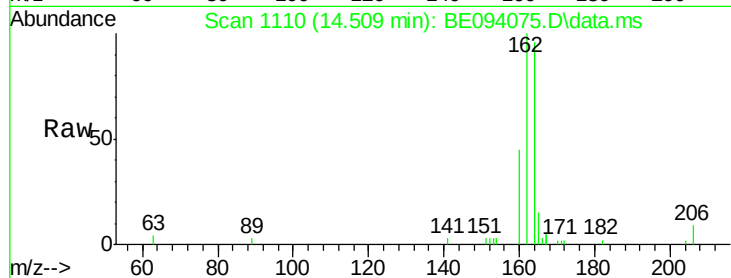
Tot Ion:164 Resp: 3300

Ion Ratio Lower Upper

164 100

162 103.9 80.8 121.2

160 46.4 37.0 55.4



#14

2,4,6-Tribromophenol

Concen: 1.61 ng

RT: 15.996 min Scan# 1204

Delta R.T. 0.000 min

Lab File: BE094075.D

Acq: 23 Sep 2017 13:16

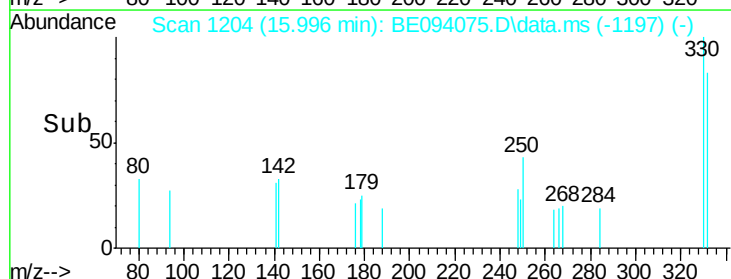
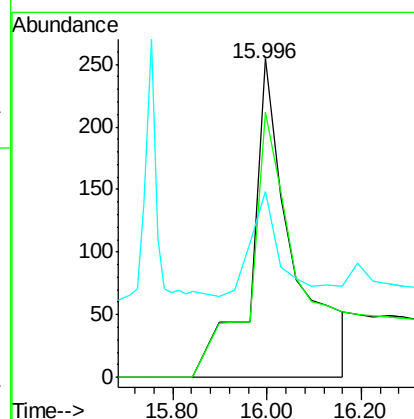
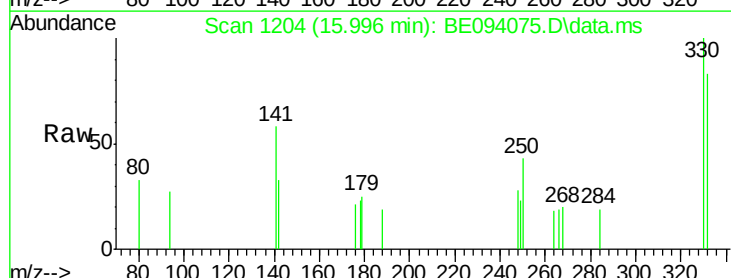
Tgt Ion:330 Resp: 1644

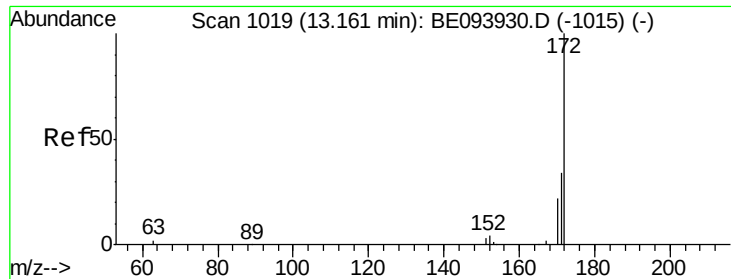
Ion Ratio Lower Upper

330 100

332 94.9 76.9 115.3

141 20.9 0.0 0.0#

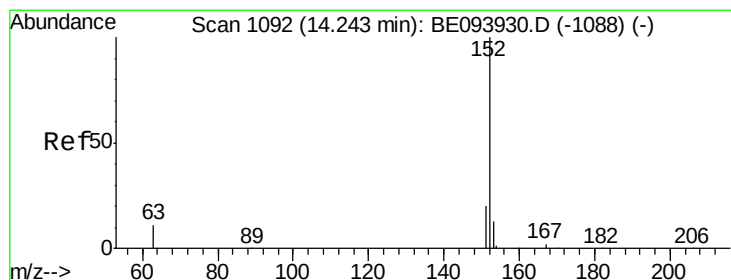
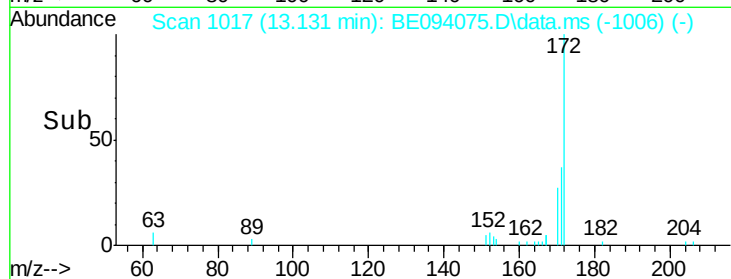
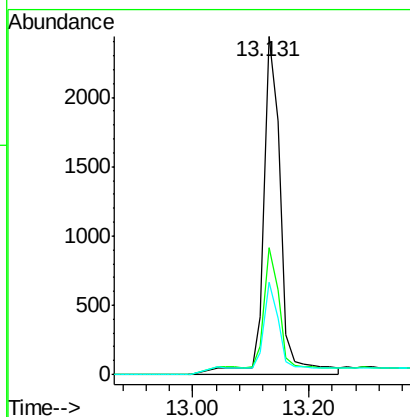
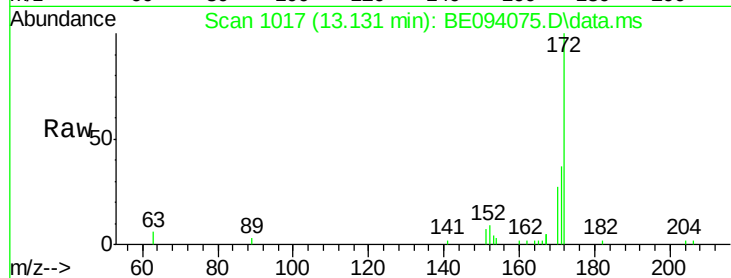




#15
2-Fluorobiphenyl
Concen: 0.41 ng
RT: 13.131 min Scan# 1017
Delta R.T. 0.000 min
Lab File: BE094075.D
Acq: 23 Sep 2017 13:16

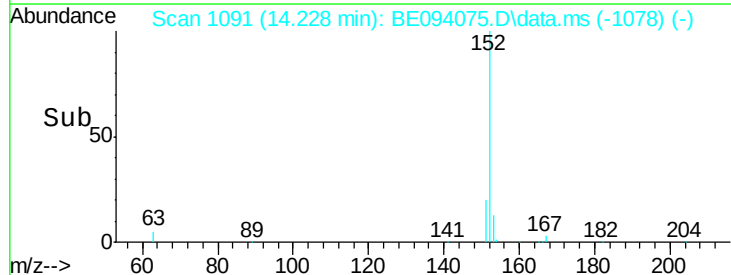
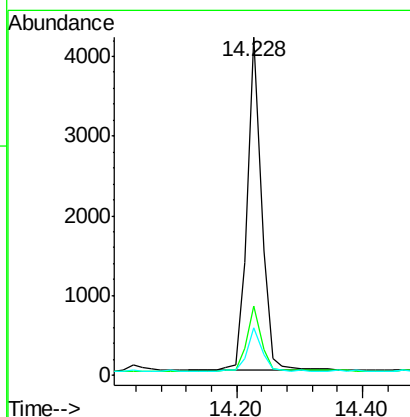
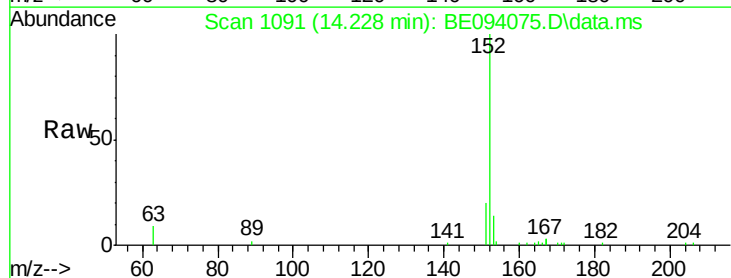
Instrument :
BNA_E
ClientSampleId :

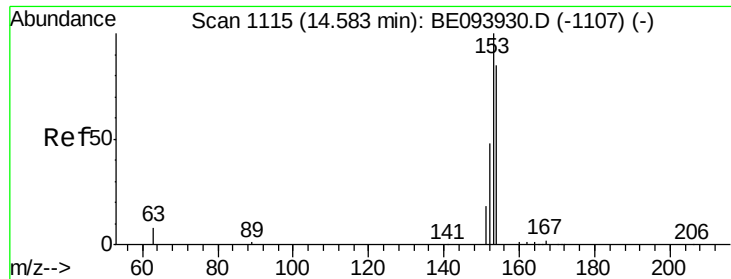
Tot Ion:172 Resp: 5394
Ion Ratio Lower Upper
172 100
171 37.4 26.9 40.3
170 27.3 17.3 25.9#



#16
Acenaphthylene
Concen: 0.40 ng
RT: 14.228 min Scan# 1091
Delta R.T. 0.000 min
Lab File: BE094075.D
Acq: 23 Sep 2017 13:16

Tgt Ion:152 Resp: 6640
Ion Ratio Lower Upper
152 100
151 19.6 15.7 23.5
153 13.1 10.6 16.0





#17

Acenaphthene

Concen: 0.40 ng

RT: 14.568 min Scan# 111

Delta R.T. 0.000 min

Lab File: BE094075.D

Acq: 23 Sep 2017 13:16

Instrument :

BNA_E

ClientSampleId :

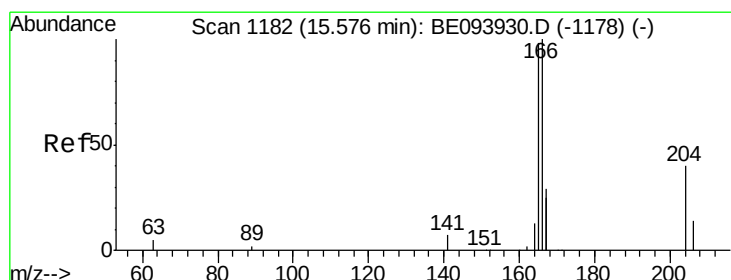
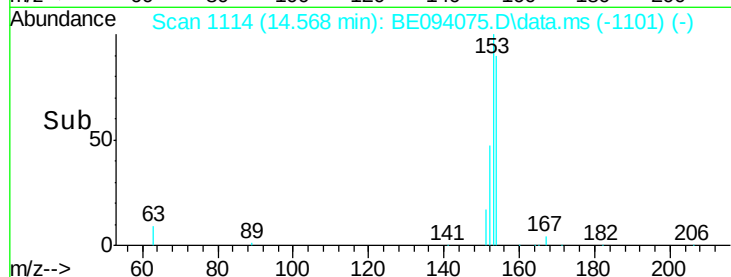
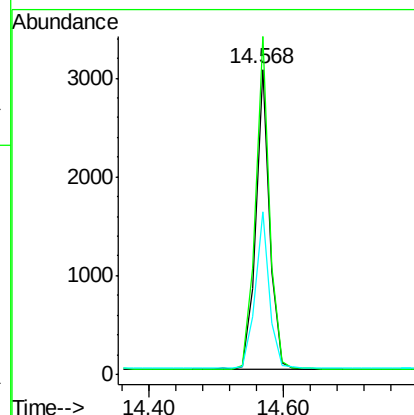
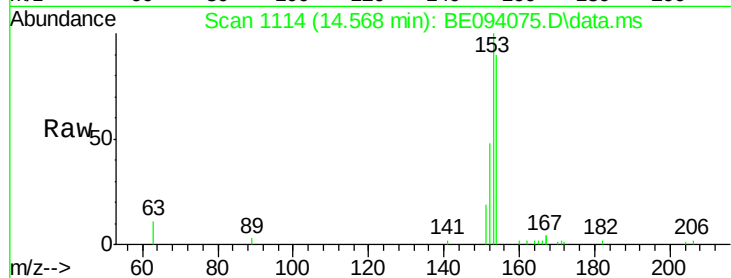
Tot Ion:154 Resp: 4427

Ion Ratio Lower Upper

154 100

153 111.5 91.8 137.6

152 52.5 44.9 67.3



#18

Fluorene

Concen: 0.45 ng

RT: 15.546 min Scan# 1180

Delta R.T. 0.000 min

Lab File: BE094075.D

Acq: 23 Sep 2017 13:16

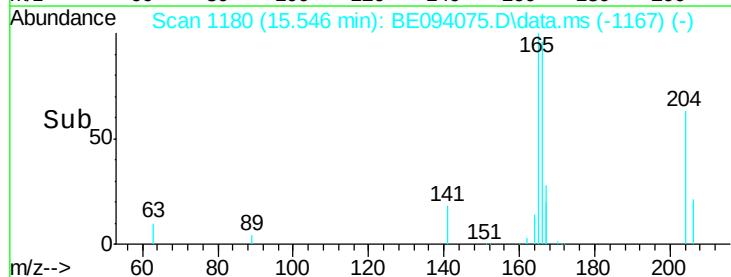
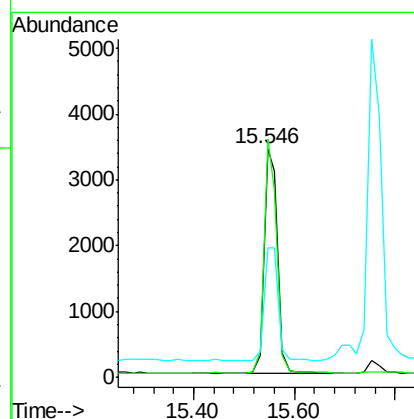
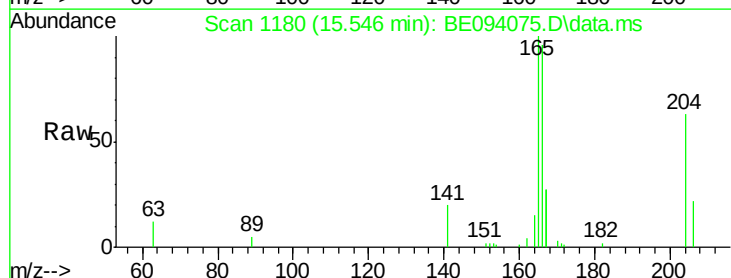
Tgt Ion:166 Resp: 6416

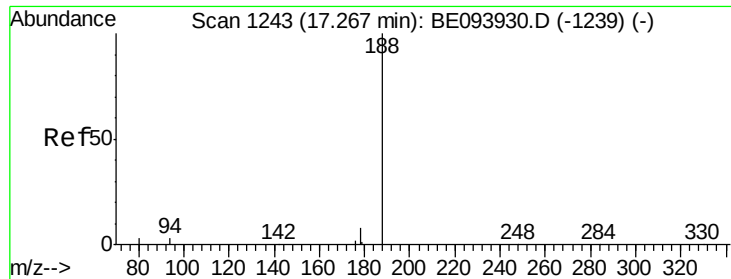
Ion Ratio Lower Upper

166 100

165 97.2 79.4 119.0

167 53.0 43.5 65.3





#19

Phenanthrene-d10

Concen: 0.40 ng

RT: 17.234 min Scan# 12

Delta R.T. 0.000 min

Lab File: BE094075.D

Acq: 23 Sep 2017 13:16

Instrument :

BNA_E

ClientSampleId :

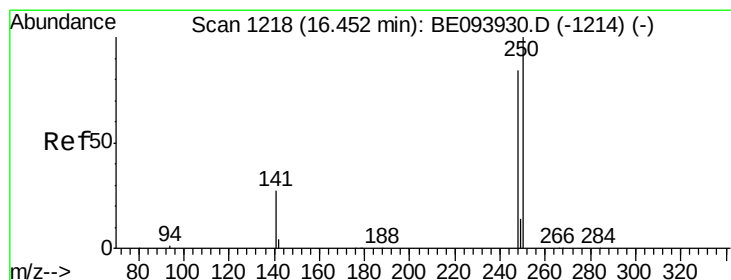
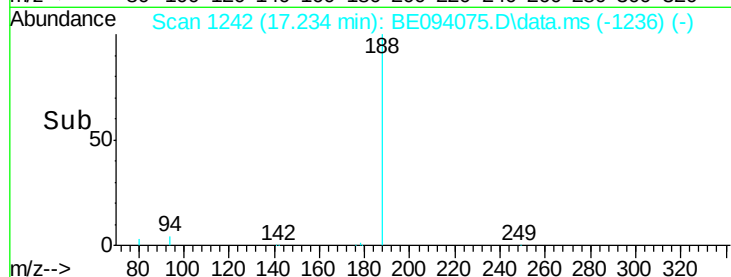
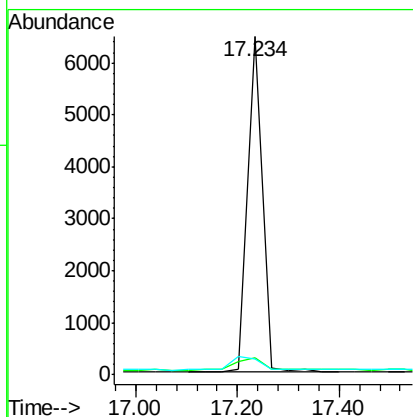
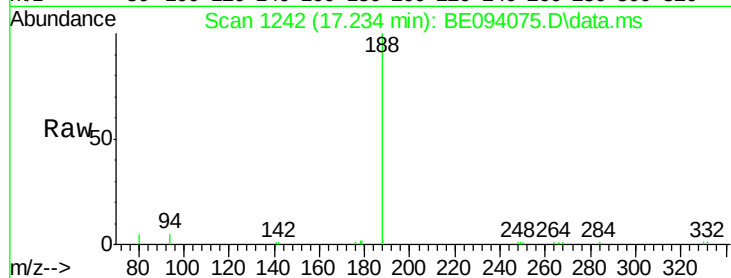
Tot Ion:188 Resp: 13033

Ion Ratio Lower Upper

188 100

94 4.9 16.1 24.1#

80 4.5 18.2 27.2#



#20

4-Bromophenyl-phenylether

Concen: 0.37 ng

RT: 16.420 min Scan# 1217

Delta R.T. 0.000 min

Lab File: BE094075.D

Acq: 23 Sep 2017 13:16

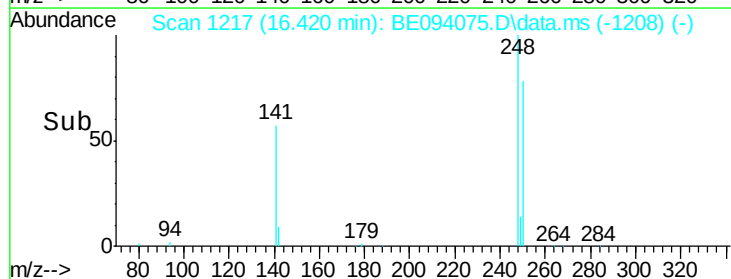
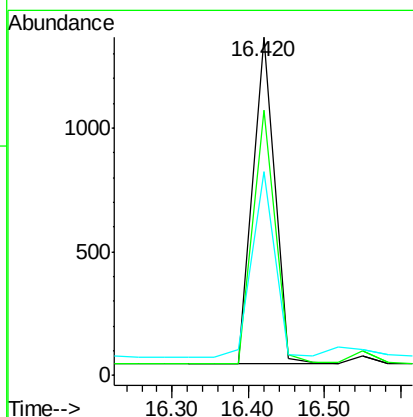
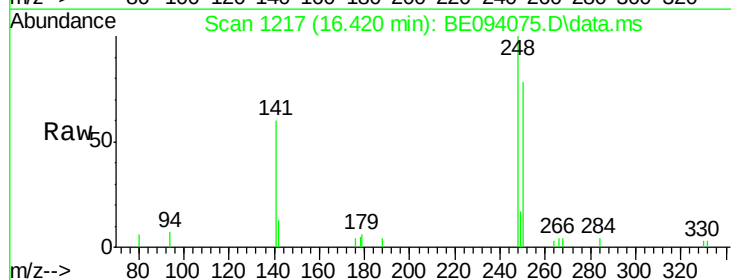
Tgt Ion:248 Resp: 2644

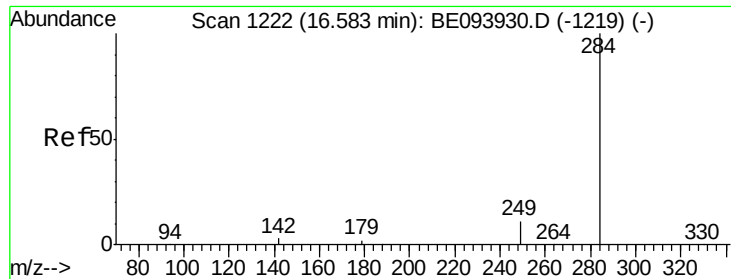
Ion Ratio Lower Upper

248 100

250 78.4 111.8 167.8#

141 60.2 27.1 40.7#





#21

Hexachlorobenzene

Concen: 0.24 ng

RT: 16.550 min Scan# 12

Delta R.T. 0.000 min

Lab File: BE094075.D

Acq: 23 Sep 2017 13:16

Instrument :

BNA_E

ClientSampleId :

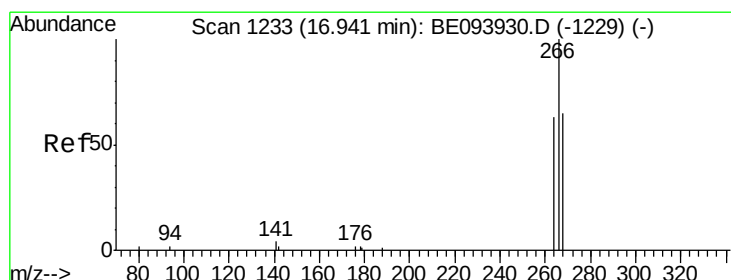
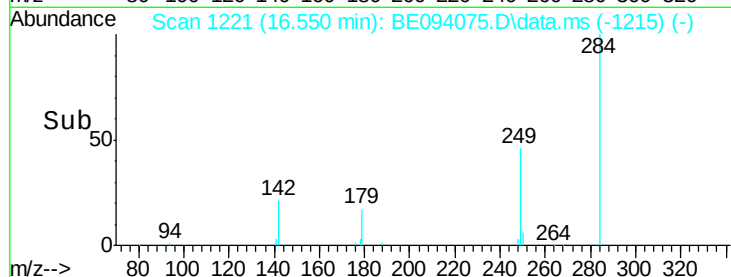
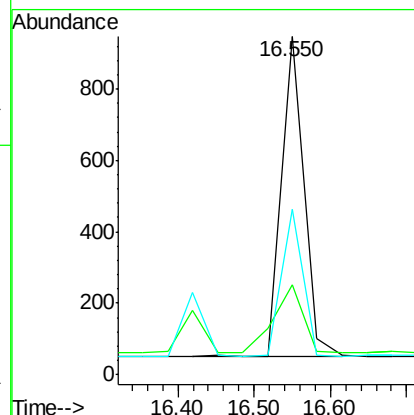
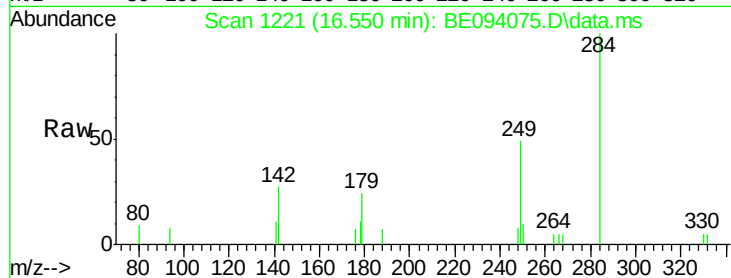
Tot Ion:284 Resp: 1870

Ion Ratio Lower Upper

284 100

142 27.6 0.0 0.0#

249 43.5 0.0 0.0#



#22

Pentachlorophenol

Concen: 0.05 ng

RT: 16.908 min Scan# 1232

Delta R.T. 0.000 min

Lab File: BE094075.D

Acq: 23 Sep 2017 13:16

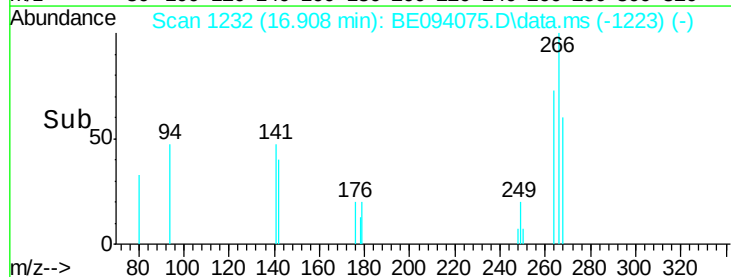
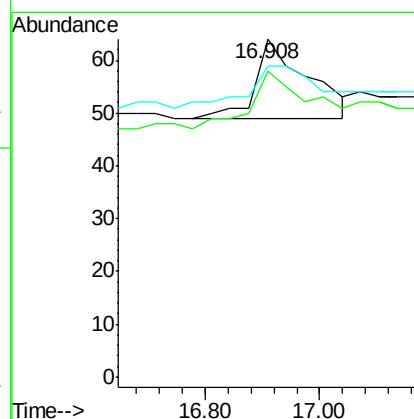
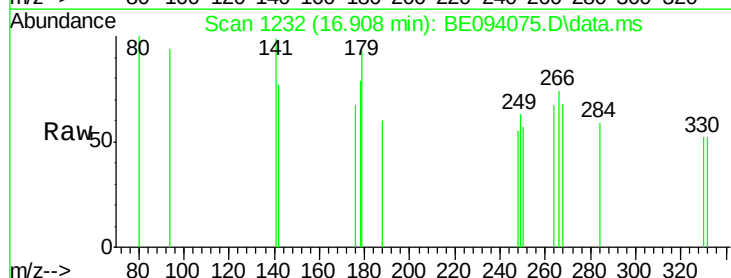
Tgt Ion:266 Resp: 96

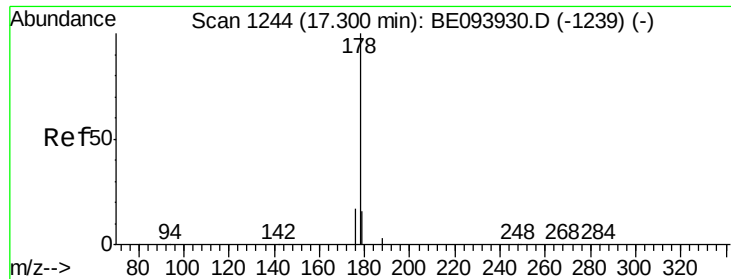
Ion Ratio Lower Upper

266 100

264 90.6 53.5 80.3#

268 92.2 60.0 90.0#





#23

Phenanthrene

Concen: 0.42 ng

RT: 17.267 min Scan# 1243

Delta R.T. 0.000 min

Lab File: BE094075.D

Acq: 23 Sep 2017 13:16

Instrument :

BNA_E

ClientSampleId :

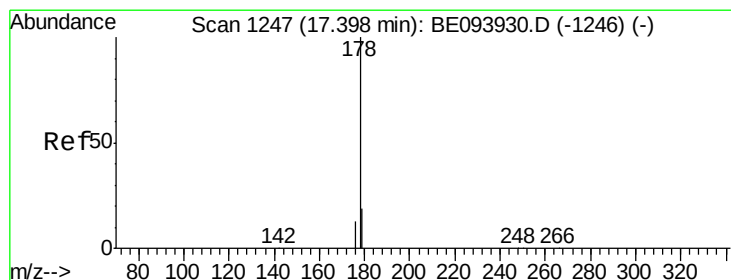
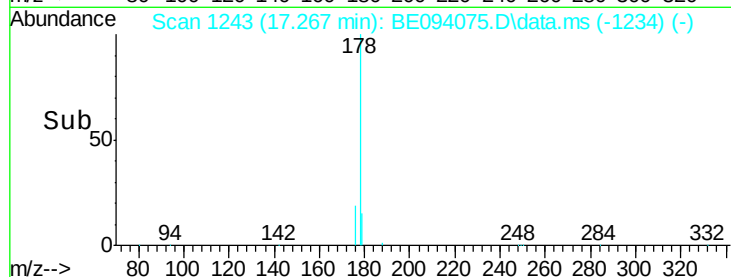
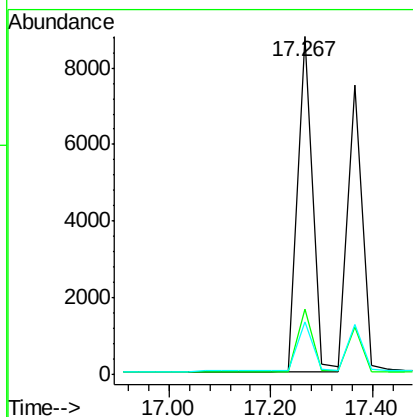
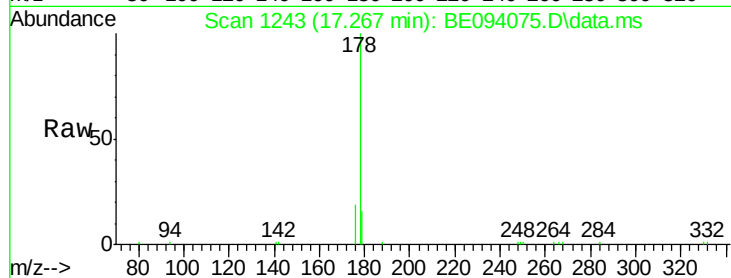
Tot Ion:178 Resp: 17891

Ion Ratio Lower Upper

178 100

176 18.9 0.0 0.0#

179 14.7 12.6 18.8



#24

Anthracene

Concen: 0.38 ng

RT: 17.365 min Scan# 1246

Delta R.T. 0.000 min

Lab File: BE094075.D

Acq: 23 Sep 2017 13:16

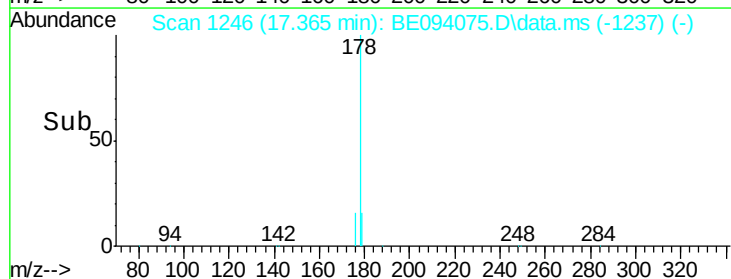
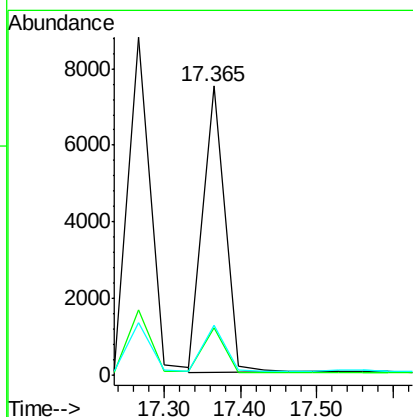
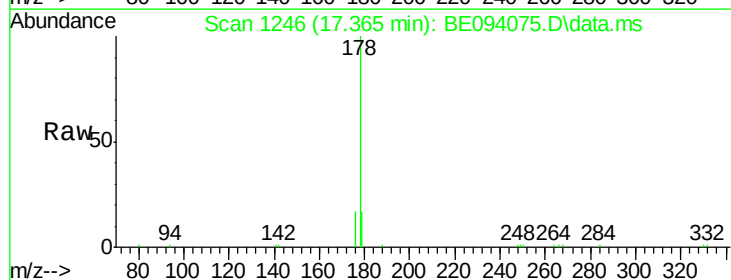
Tgt Ion:178 Resp: 15007

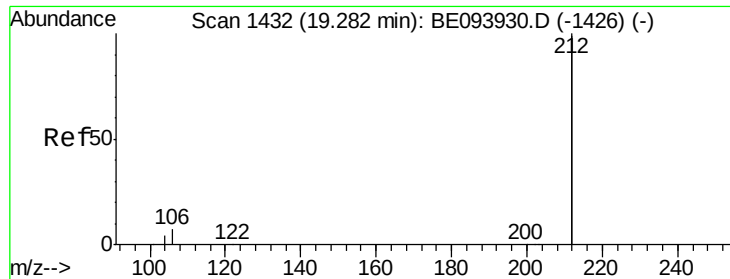
Ion Ratio Lower Upper

178 100

176 16.0 16.0 24.0

179 16.3 0.0 0.0#





#25

Fluoranthene-d10

Concen: 0.32 ng

RT: 19.260 min Scan# 14

Delta R.T. 0.000 min

Lab File: BE094075.D

Acq: 23 Sep 2017 13:16

Instrument :

BNA_E

ClientSampleId :

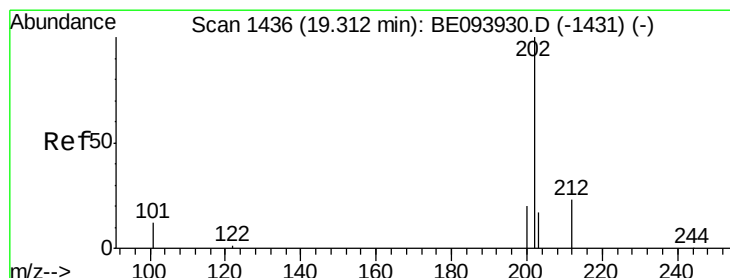
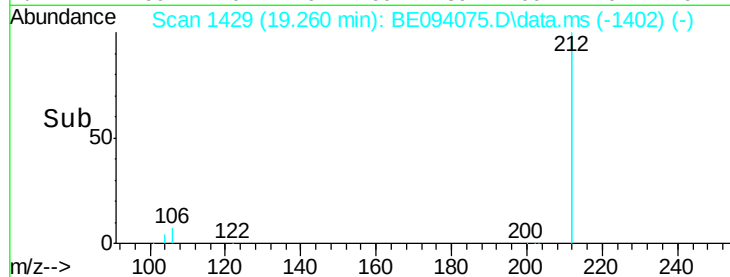
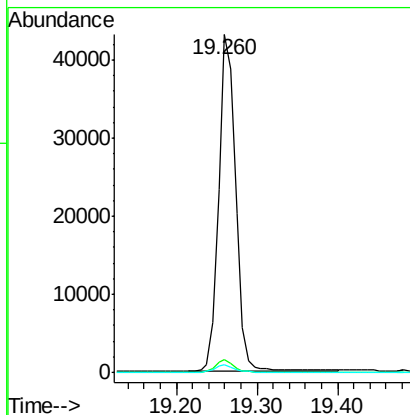
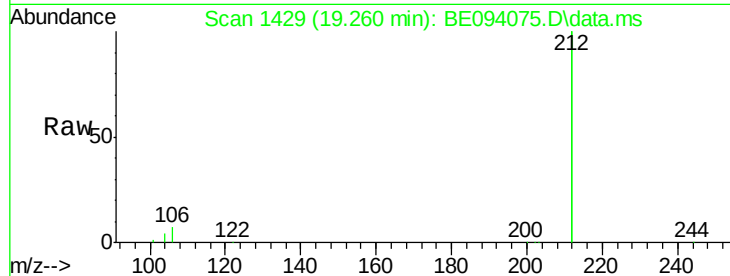
Tot Ion:212 Resp: 62397

Ion Ratio Lower Upper

212 100

106 3.5 2.7 4.1

104 2.0 1.6 2.4



#26

Fluoranthene

Concen: 0.32 ng

RT: 19.289 min Scan# 1433

Delta R.T. 0.000 min

Lab File: BE094075.D

Acq: 23 Sep 2017 13:16

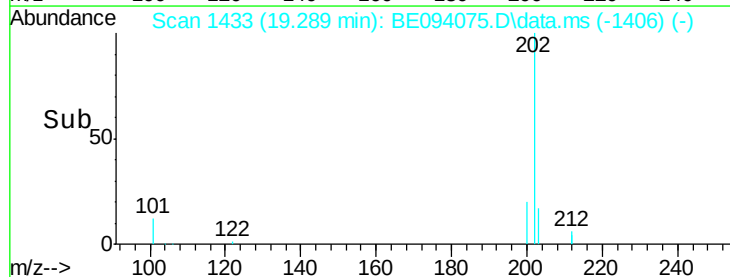
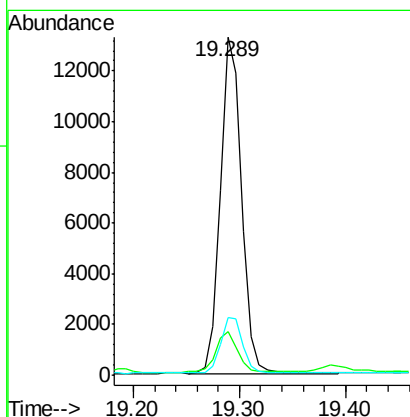
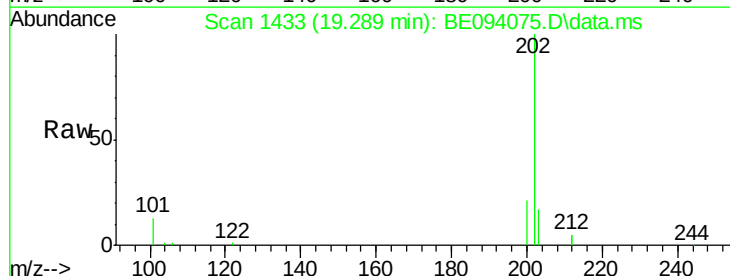
Tgt Ion:202 Resp: 18681

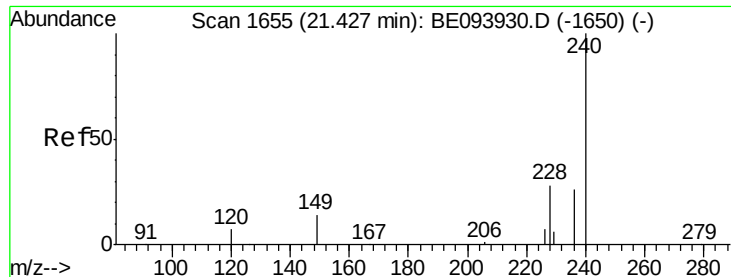
Ion Ratio Lower Upper

202 100

101 12.3 9.7 14.5

203 17.1 13.7 20.5





#27

Chrysene-d12

Concen: 0.40 ng

RT: 21.405 min Scan# 16

Delta R.T. 0.000 min

Lab File: BE094075.D

Acq: 23 Sep 2017 13:16

Instrument :

BNA_E

ClientSampleId :

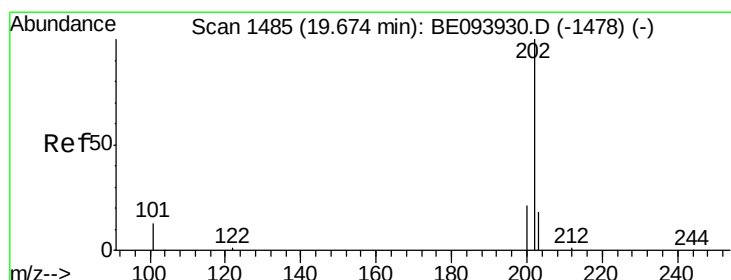
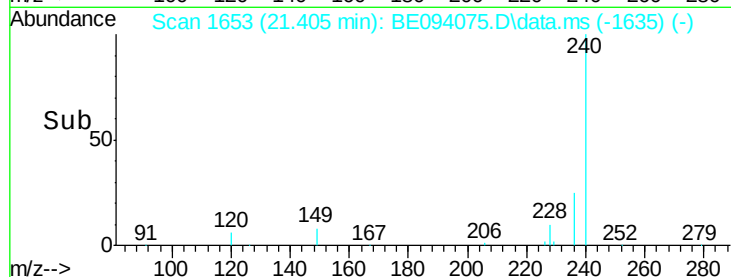
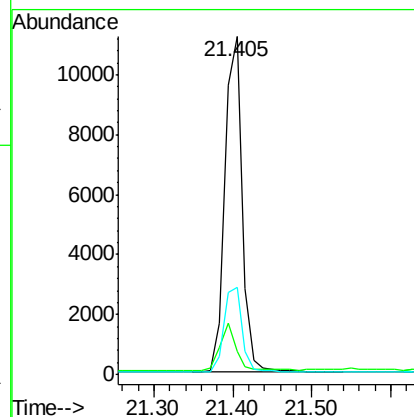
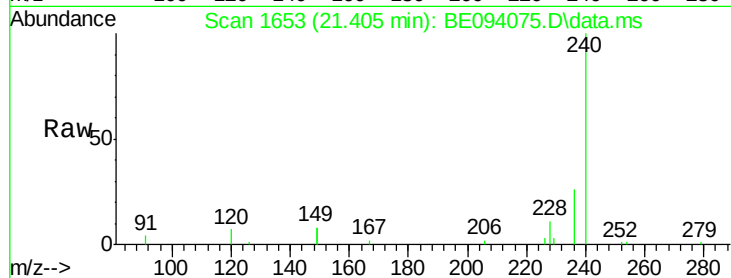
Tot Ion:240 Resp: 17386

Ion Ratio Lower Upper

240 100

120 6.9 8.7 13.1#

236 25.9 21.3 31.9



#28

Pyrene

Concen: 0.34 ng

RT: 19.652 min Scan# 1482

Delta R.T. 0.000 min

Lab File: BE094075.D

Acq: 23 Sep 2017 13:16

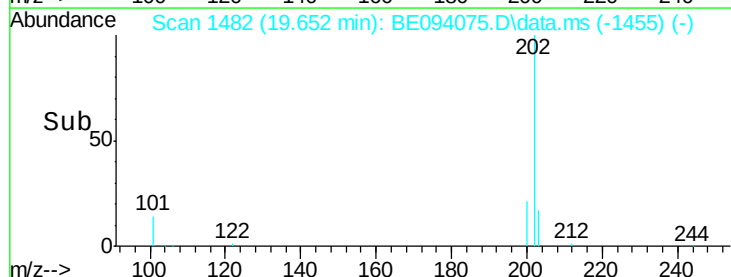
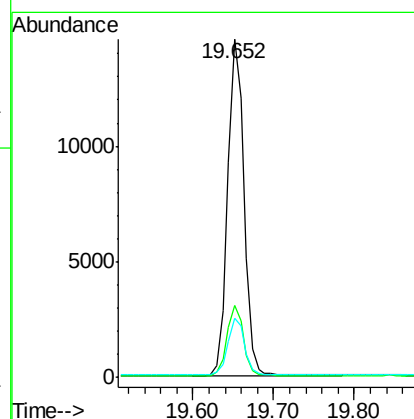
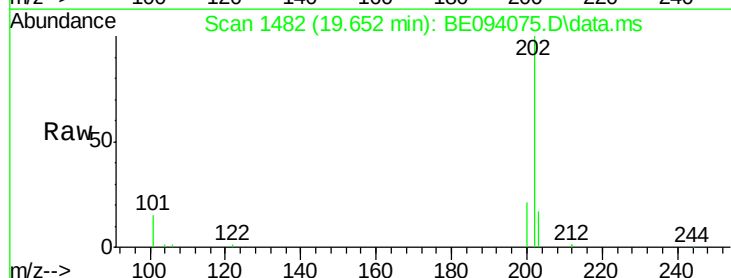
Tgt Ion:202 Resp: 20455

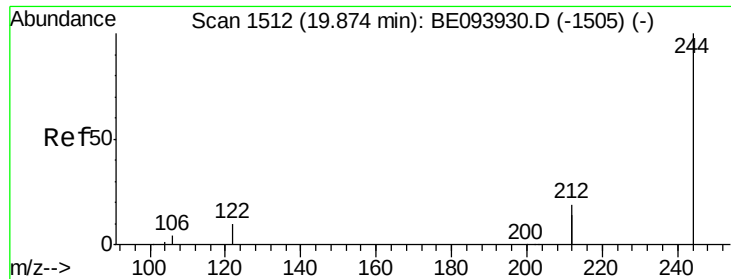
Ion Ratio Lower Upper

202 100

200 20.8 16.6 24.8

203 17.3 14.2 21.4





#29

Terphenyl-d14

Concen: 0.36 ng

RT: 19.851 min Scan# 1512

Delta R.T. 0.000 min

Lab File: BE094075.D

Acq: 23 Sep 2017 13:16

Instrument :

BNA_E

ClientSampleId :

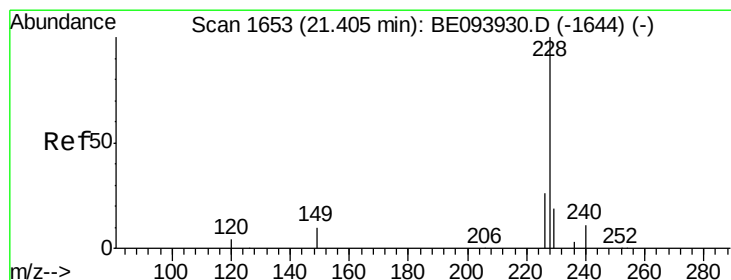
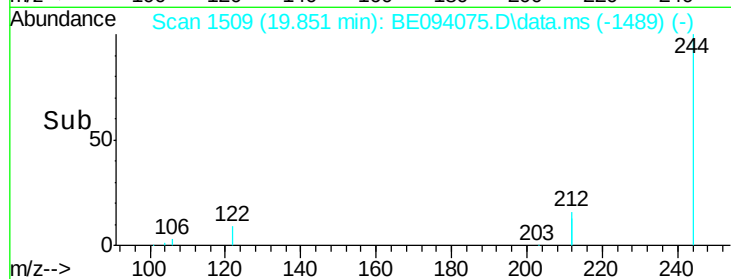
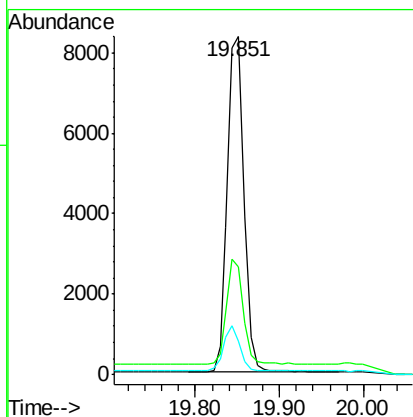
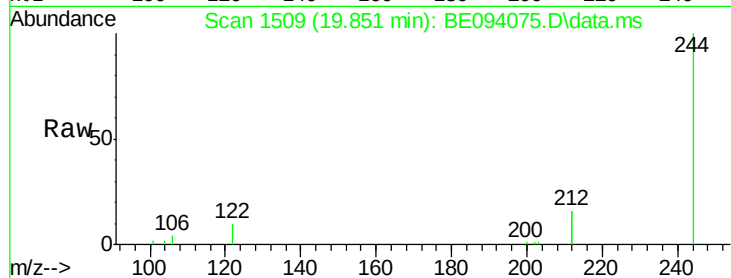
Tot Ion:244 Resp: 11540

Ion Ratio Lower Upper

244 100

212 31.7 28.3 42.5

122 10.1 9.4 14.0



#30

Benzo(a)anthracene

Concen: 0.44 ng

RT: 21.382 min Scan# 1651

Delta R.T. 0.000 min

Lab File: BE094075.D

Acq: 23 Sep 2017 13:16

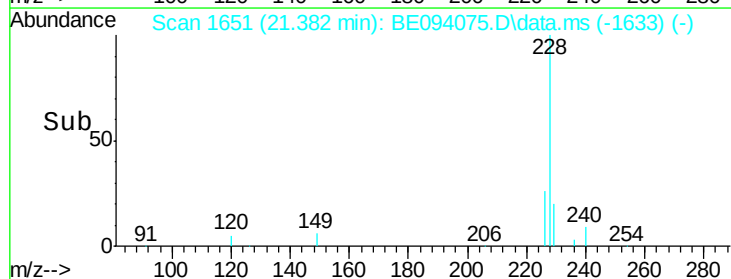
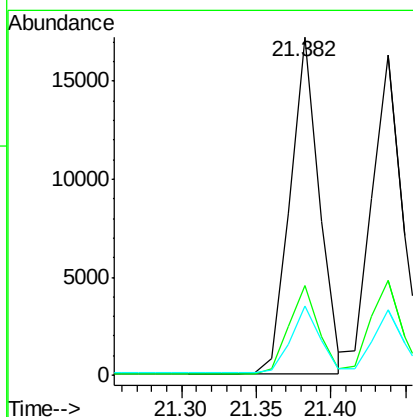
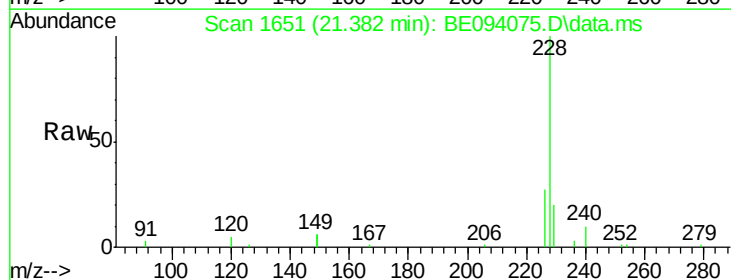
Tgt Ion:228 Resp: 23263

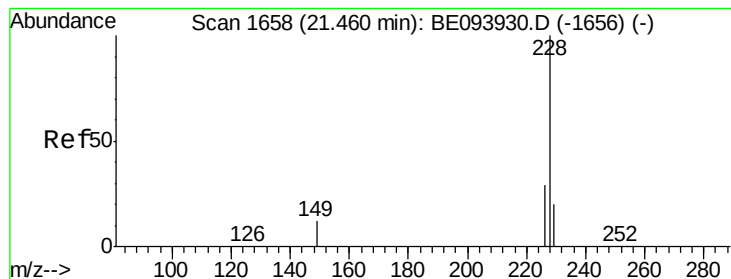
Ion Ratio Lower Upper

228 100

226 26.7 20.8 31.2

229 20.5 16.6 25.0





#31

Chrysene

Concen: 0.41 ng

RT: 21.438 min Scan# 16

Delta R.T. 0.000 min

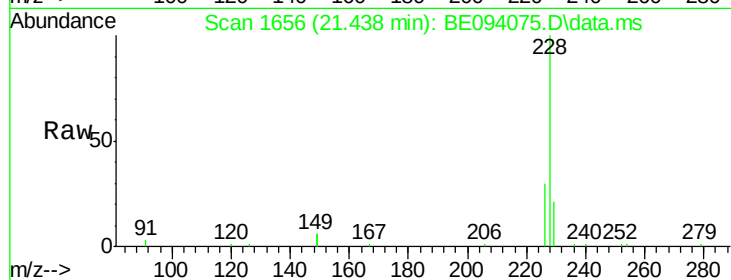
Lab File: BE094075.D

Acq: 23 Sep 2017 13:16

Instrument :

BNA_E

ClientSampleId :



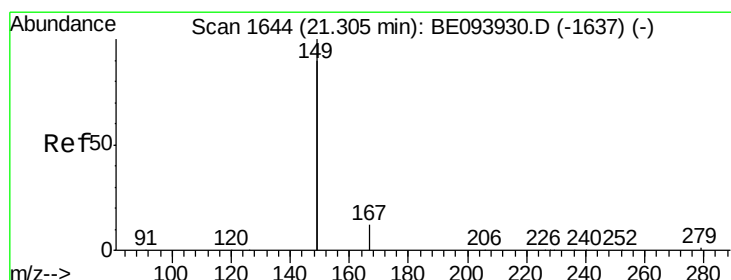
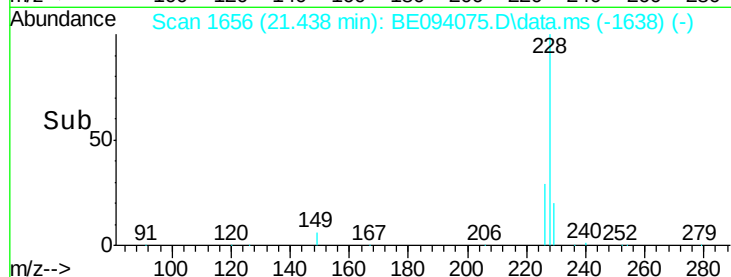
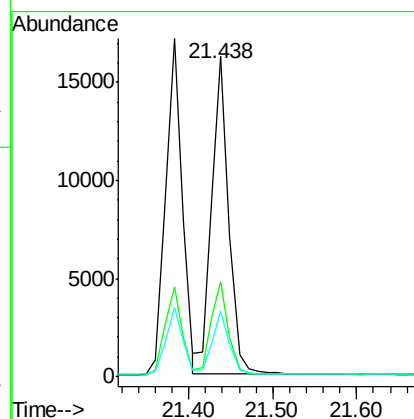
Tot Ion:228 Resp: 23325

Ion Ratio Lower Upper

228 100

226 29.5 24.6 37.0

229 20.5 15.8 23.8



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.49 ng

RT: 21.294 min Scan# 1643

Delta R.T. 0.000 min

Lab File: BE094075.D

Acq: 23 Sep 2017 13:16

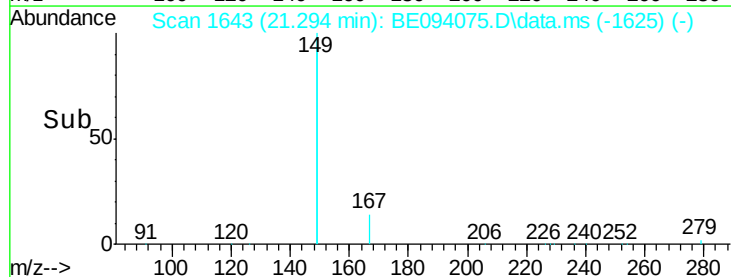
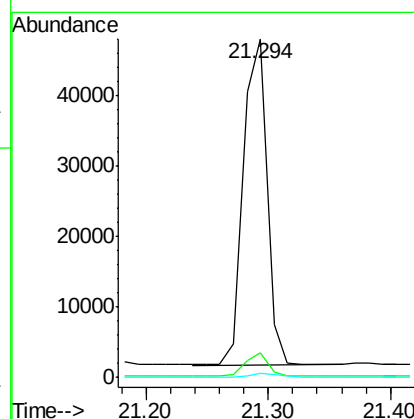
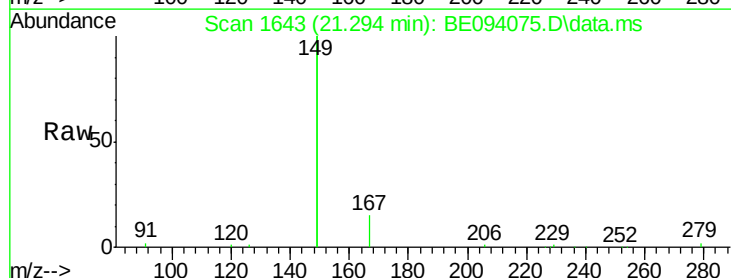
Tgt Ion:149 Resp: 63359

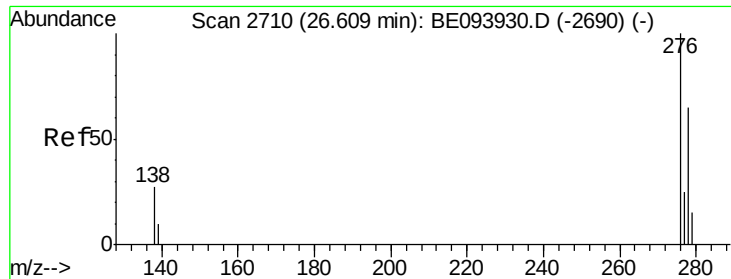
Ion Ratio Lower Upper

149 100

167 6.7 5.4 8.0

279 0.9 0.7 1.1

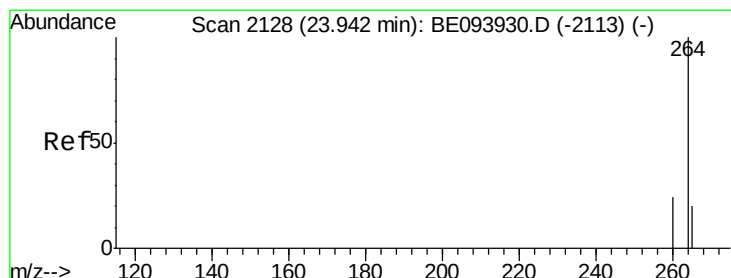
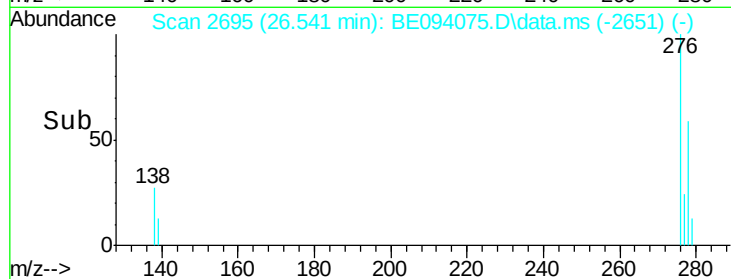
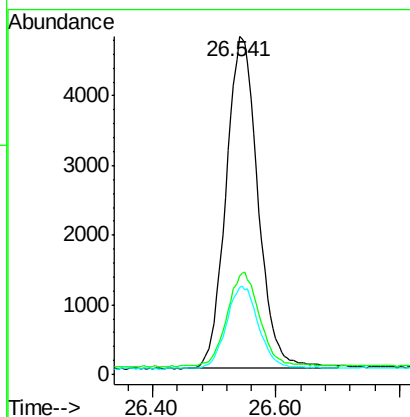
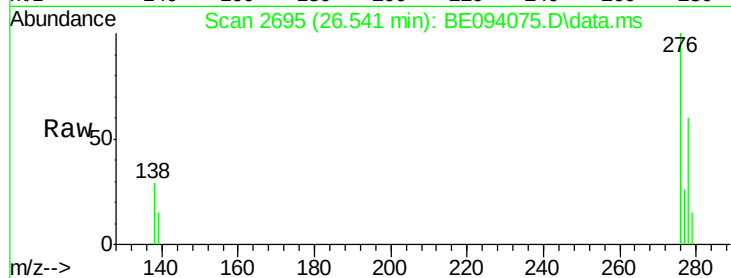




#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.46 ng
 RT: 26.541 min Scan# 26
 Delta R.T. 0.000 min
 Lab File: BE094075.D
 Acq: 23 Sep 2017 13:16

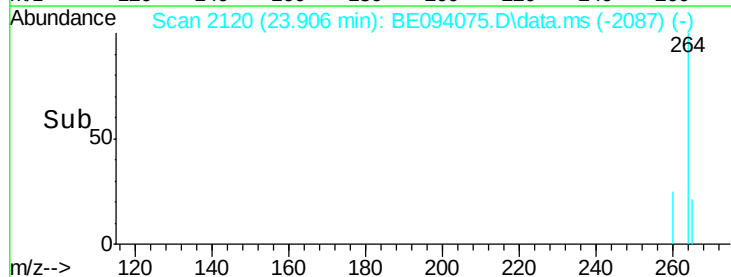
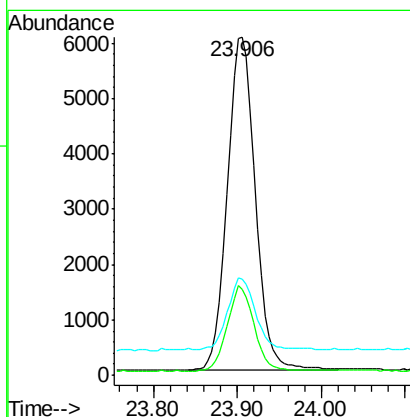
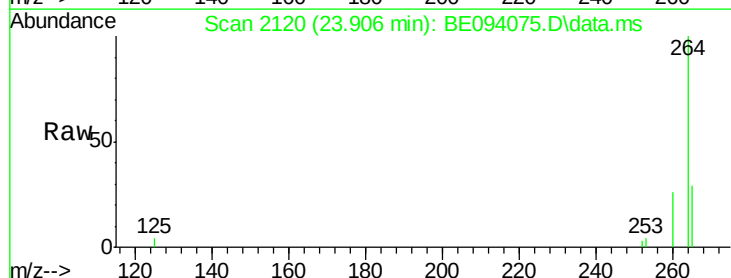
Instrument :
 BNA_E
 ClientSampleId :

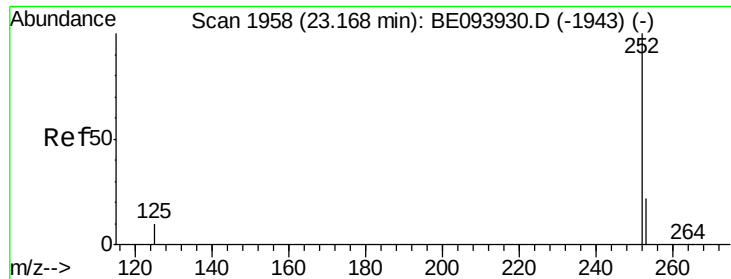
Tot Ion:276 Resp: 17190
 Ion Ratio Lower Upper
 276 100
 138 28.1 22.2 33.2
 277 24.9 19.5 29.3



#34
 Perylene-d12
 Concen: 0.40 ng
 RT: 23.906 min Scan# 2120
 Delta R.T. 0.000 min
 Lab File: BE094075.D
 Acq: 23 Sep 2017 13:16

Tgt Ion:264 Resp: 13870
 Ion Ratio Lower Upper
 264 100
 260 25.6 20.0 30.0
 265 28.5 24.0 36.0





#35

Benzo(b)fluoranthene

Concen: 0.46 ng

RT: 23.132 min Scan# 19

Delta R.T. 0.000 min

Lab File: BE094075.D

Acq: 23 Sep 2017 13:16

Instrument :

BNA_E

ClientSampleId :

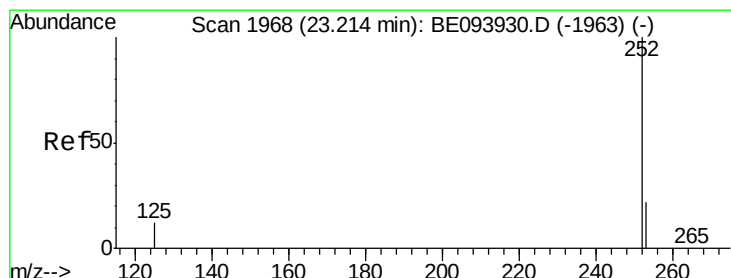
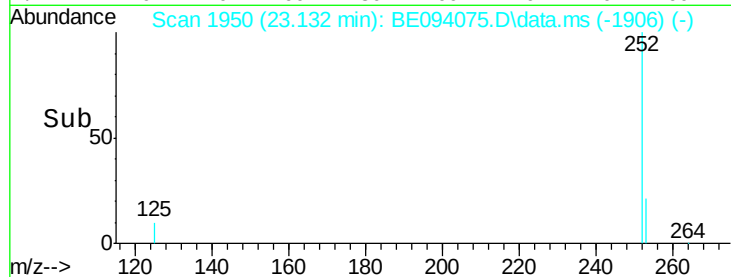
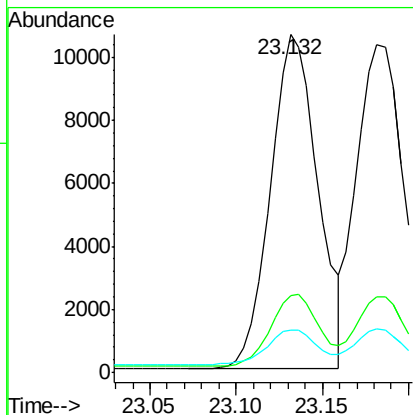
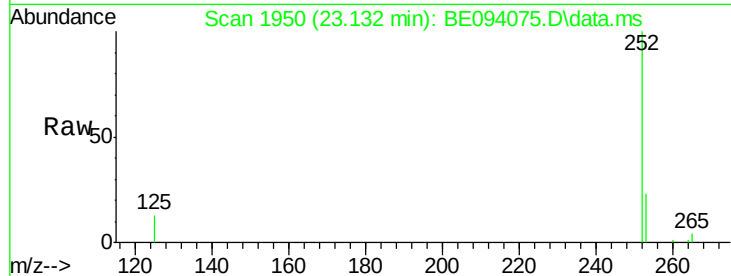
Tot Ion:252 Resp: 20238

Ion Ratio Lower Upper

252 100

253 22.7 19.4 29.0

125 12.6 10.0 15.0



#36

Benzo(k)fluoranthene

Concen: 0.37 ng

RT: 23.182 min Scan# 1961

Delta R.T. 0.000 min

Lab File: BE094075.D

Acq: 23 Sep 2017 13:16

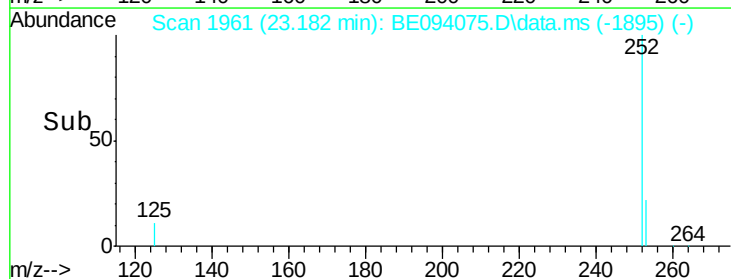
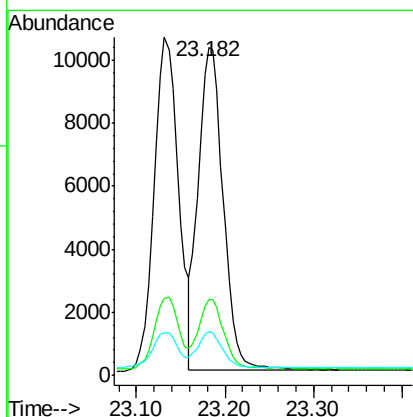
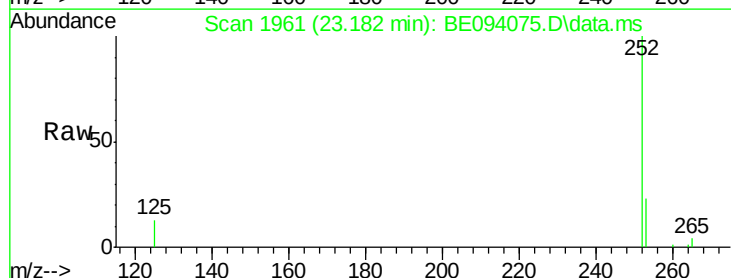
Tgt Ion:252 Resp: 20169

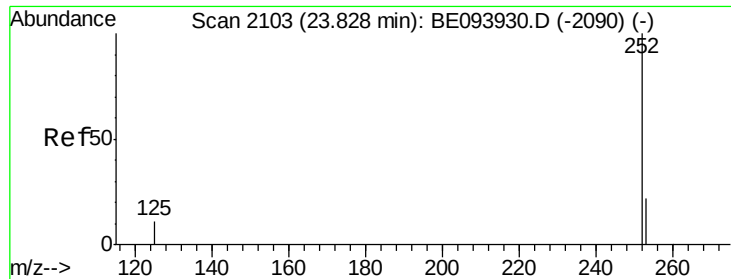
Ion Ratio Lower Upper

252 100

253 23.2 18.1 27.1

125 13.4 9.8 14.6





#37

Benzo(a)pyrene

Concen: 0.40 ng

RT: 23.792 min Scan# 20

Delta R.T. 0.000 min

Lab File: BE094075.D

Acq: 23 Sep 2017 13:16

Instrument :

BNA_E

ClientSampleId :

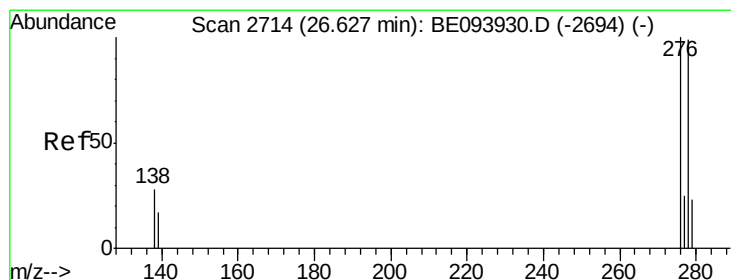
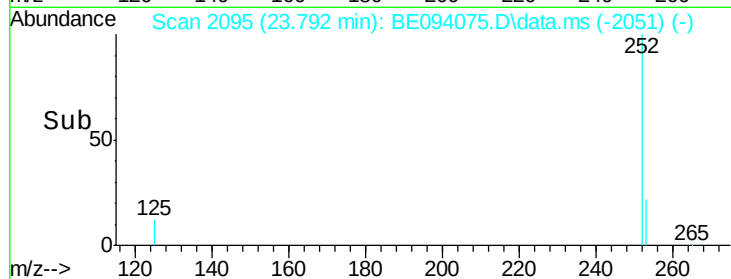
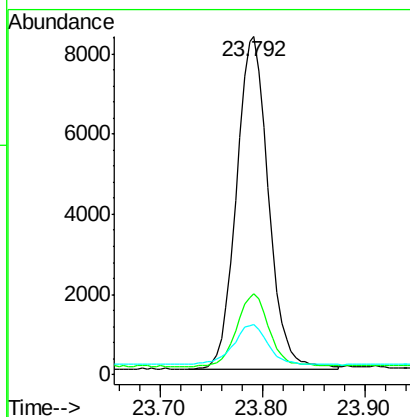
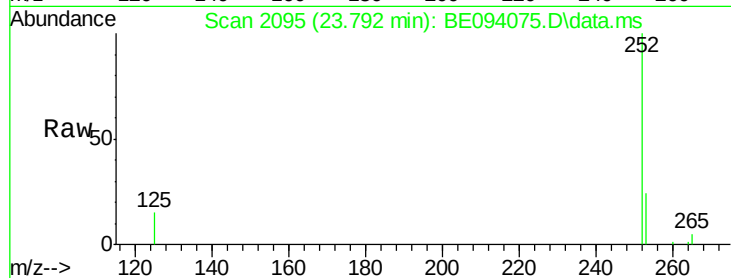
Tot Ion:252 Resp: 17945

Ion Ratio Lower Upper

252 100

253 23.8 19.6 29.4

125 14.8 11.8 17.8



#38

Dibenzo(a,h)anthracene

Concen: 0.49 ng

RT: 26.563 min Scan# 2700

Delta R.T. 0.000 min

Lab File: BE094075.D

Acq: 23 Sep 2017 13:16

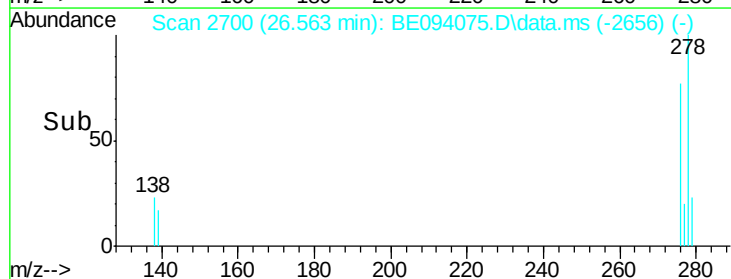
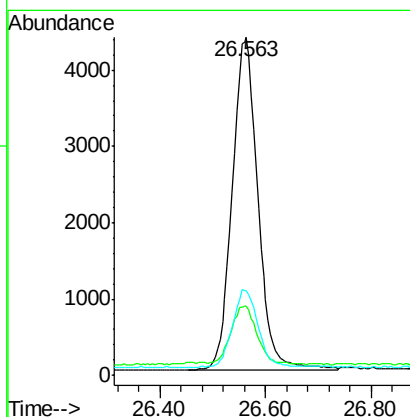
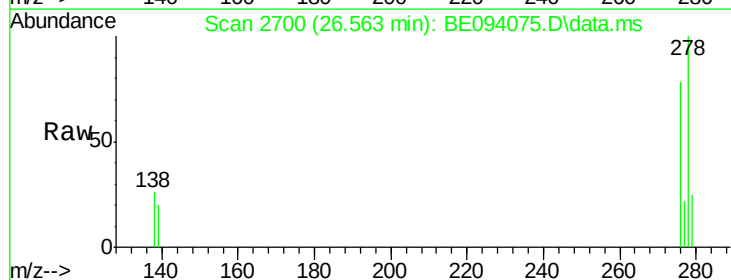
Tgt Ion:278 Resp: 14704

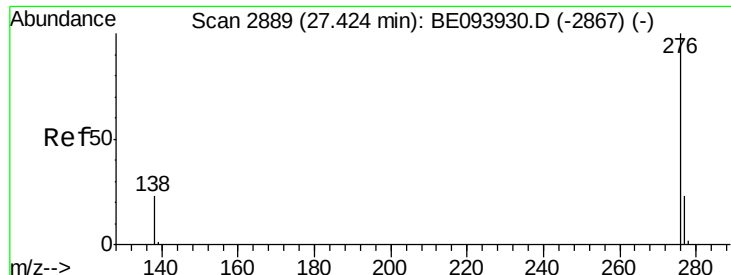
Ion Ratio Lower Upper

278 100

139 20.4 16.7 25.1

279 24.9 21.6 32.4





#39

Benzo(a,h,i)perylene

Concen: 0.47 ng

RT: 27.361 min Scan# 28

Delta R.T. 0.000 min

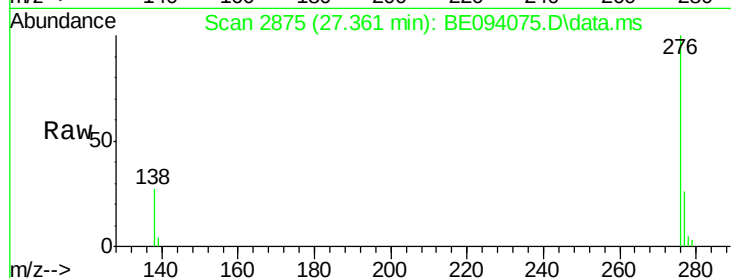
Lab File: BE094075.D

Acq: 23 Sep 2017 13:16

Instrument :

BNA_E

ClientSampleId :



Tot Ion: 276 Resp: 14763

Ion Ratio Lower Upper

276 100

277 26.0 20.6 30.8

138 26.9 21.9 32.9

