

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE101917\
 Data File : BE094455.D
 Acq On : 19 Oct 2017 19:40
 Operator : SJ/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC0.4EC

Quant Time: Oct 20 12:42:36 2017
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE101617.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 16 14:54:40 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	1233	0.40	ng	-0.01
7) Naphthalene-d8	10.69	136	6696	0.40	ng	-0.02
13) Acenaphthene-d10	14.51	164	4134	0.40	ng	-0.01
19) Phenanthrene-d10	17.24	188	7741	0.40	ng	-0.03
27) Chrysene-d12	21.43	240	9744	0.40	ng	0.00
34) Perylene-d12	23.95	264	9227	0.40	ng	-0.02

System Monitoring Compounds						
4) 2-Fluorophenol	5.51	112	1876	0.45	ng	0.00
5) Phenol-d6	7.13	99	2858	0.44	ng	0.00
8) Nitrobenzene-d5	9.08	82	2435	0.42	ng	0.00
11) 2-Methylnaphthalene-d10	12.28	152	4594	0.45	ng	0.00
14) 2,4,6-Tribromophenol	16.03	330	669	0.42	ng	0.00
15) 2-Fluorobiphenyl	13.15	172	6079	0.41	ng	0.00
25) Fluoranthene-d10	19.28	212	45849	0.37	ng	0.00
29) Terphenyl-d14	19.86	244	7932	0.40	ng	0.00

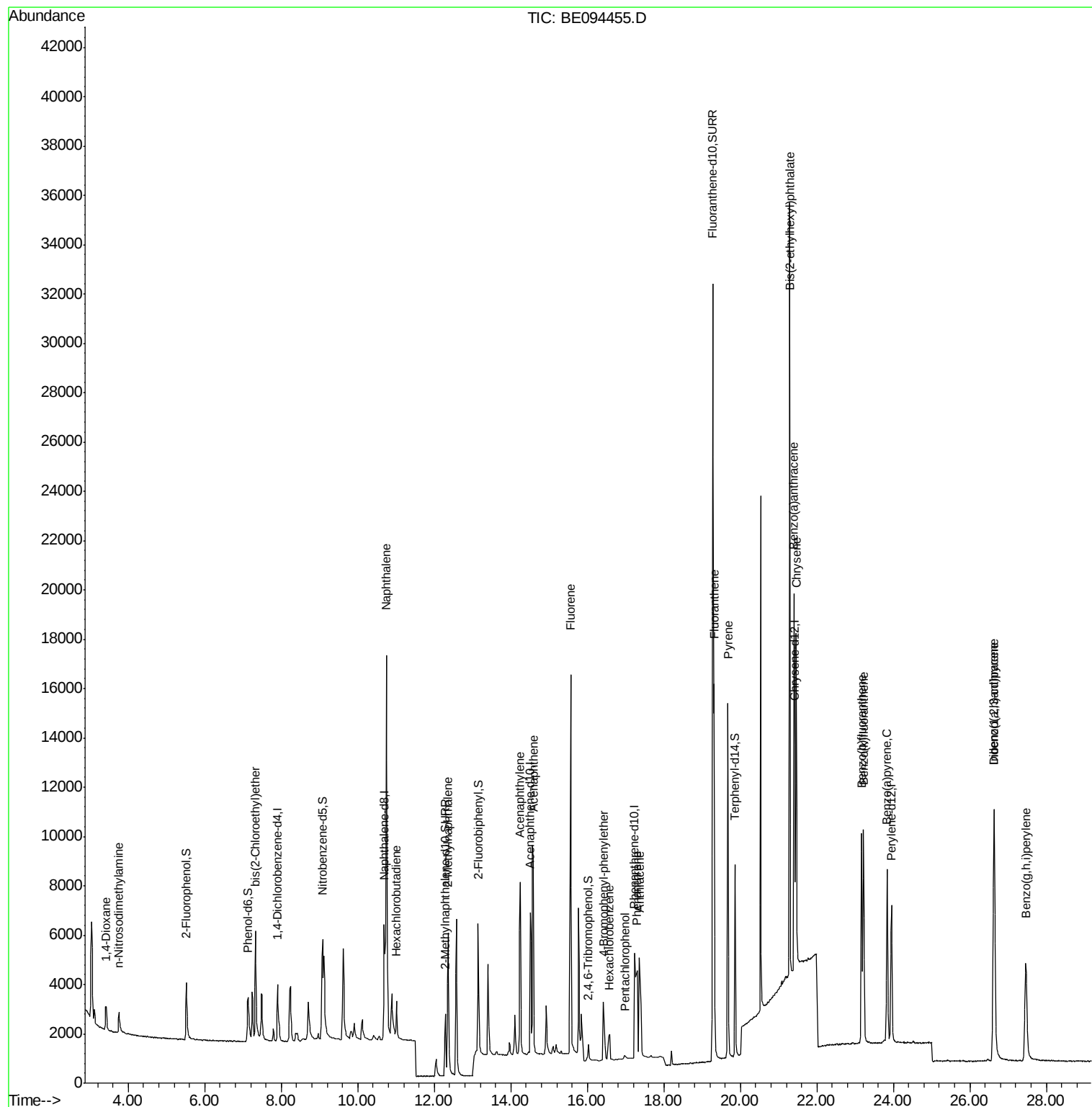
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.42	88	990	0.485	ng	# 91
3) n-Nitrosodimethylamine	3.75	42	880	0.411	ng	# 91
6) bis(2-Chloroethyl)ether	7.33	93	2056	0.428	ng	97
9) Naphthalene	10.74	128	32361	0.432	ng	99
10) Hexachlorobutadiene	11.01	225	1218	0.407	ng	97
12) 2-Methylnaphthalene	12.36	142	5577	0.452	ng	98
16) Acenaphthylene	14.24	152	9388	0.419	ng	100
17) Acenaphthene	14.58	154	5833	0.413	ng	97
18) Fluorene	15.56	166	7625	0.419	ng	98
20) 4-Bromophenyl-phenylether	16.42	248	1874	0.484	ng	# 37
21) Hexachlorobenzene	16.58	284	1897	0.259	ng	# 38
22) Pentachlorophenol	16.97	266	299	0.523	ng	89
23) Phenanthrene	17.30	178	8716	0.286	ng	# 75
24) Anthracene	17.37	178	9337	0.397	ng	# 76
26) Fluoranthene	19.31	202	13853	0.366	ng	99
28) Pyrene	19.67	202	14601	0.397	ng	100
30) Benzo(a)anthracene	21.40	228	13707	0.407	ng	# 63
31) Chrysene	21.46	228	12977	0.400	ng	# 65
32) Bis(2-ethylhexyl)phthalate	21.29	149	35674	0.368	ng	100
33) Indeno(1,2,3-cd)pyrene	26.63	276	13251	0.406	ng	99
35) Benzo(b)fluoranthene	23.17	252	12884	0.412	ng	# 43
36) Benzo(k)fluoranthene	23.22	252	12848	0.417	ng	# 43
37) Benzo(a)pyrene	23.84	252	12113	0.412	ng	# 37
38) Dibenzo(a,h)anthracene	26.63	278	11459	0.412	ng	# 48
39) Benzo(g,h,i)perylene	27.46	276	10897	0.407	ng	# 57

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

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.91 min Scan# 401

Delta R.T. -0.01 min

Lab File: BE094455.D

Acq: 19 Oct 2017 19:40

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

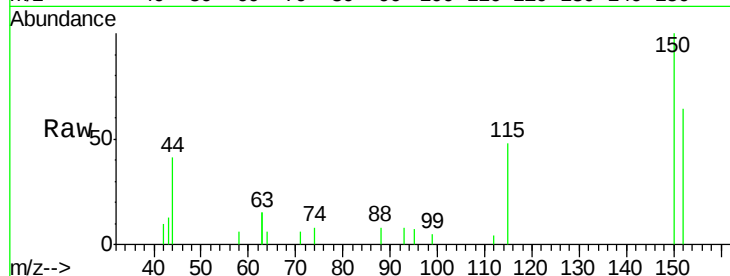
Tgt Ion:152 Resp: 1233

Ion Ratio Lower Upper

152 100

150 155.9 117.2 175.8

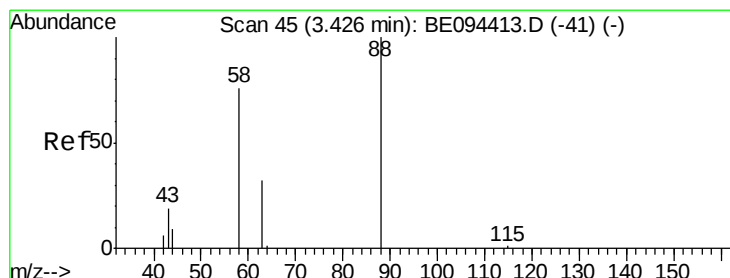
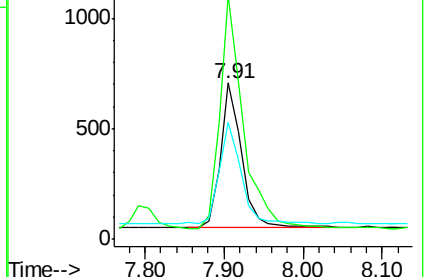
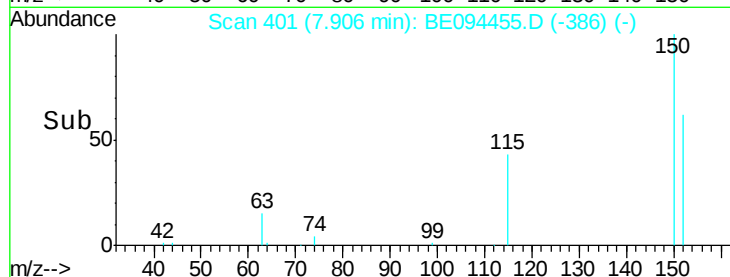
115 75.2 57.0 85.6



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: 0.485 ng

RT: 3.42 min Scan# 45

Delta R.T. -0.00 min

Lab File: BE094455.D

Acq: 19 Oct 2017 19:40

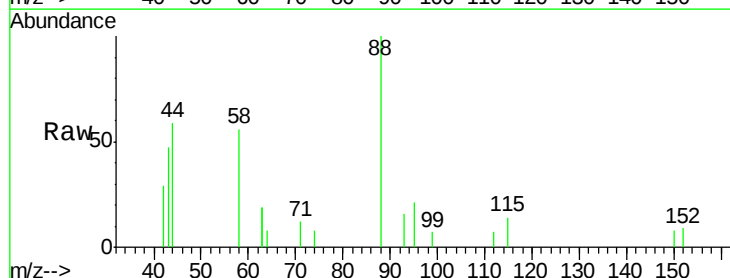
Tgt Ion: 88 Resp: 990

Ion Ratio Lower Upper

88 100

58 76.1 63.2 94.8

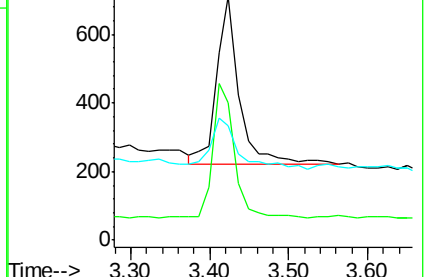
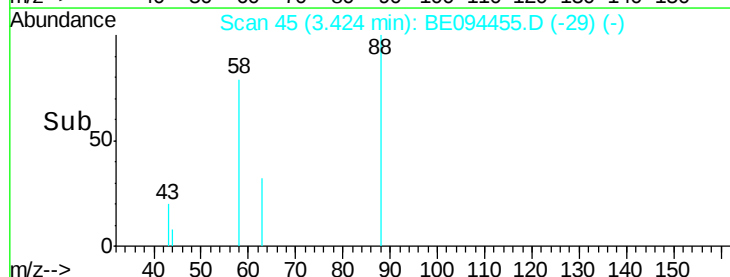
43 39.8 41.2 61.8#

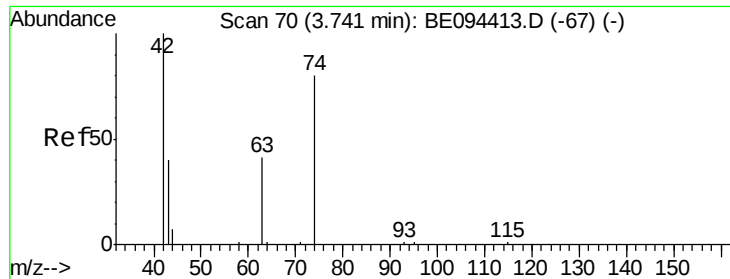


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0



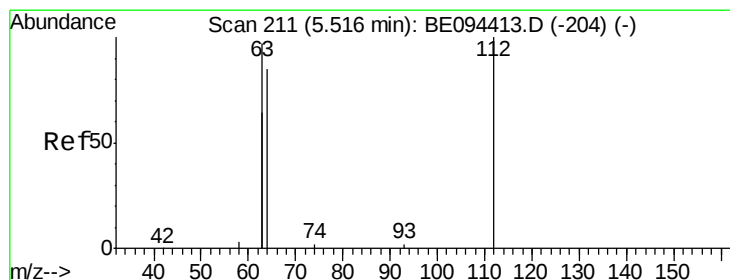
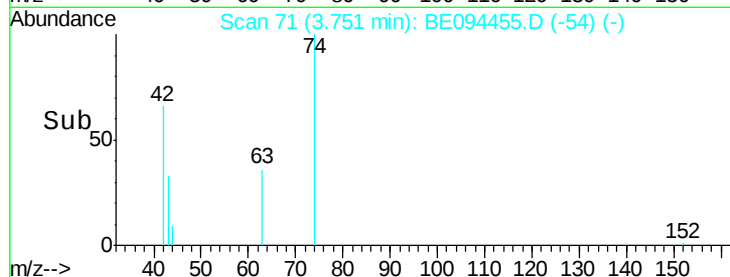
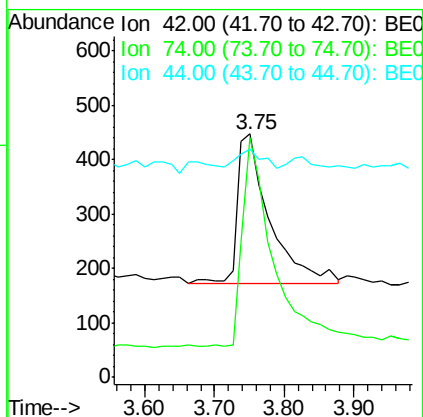
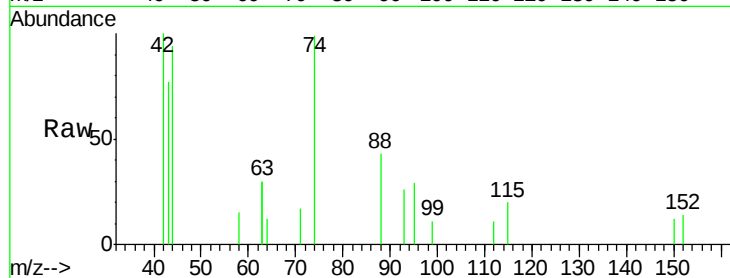


#3

n-Nitrosodimethylamine
 Concen: 0.411 ng
 RT: 3.75 min Scan# 71
 Delta R.T. 0.01 min
 Lab File: BE094455.D
 Acq: 19 Oct 2017 19:40

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC0.4EC

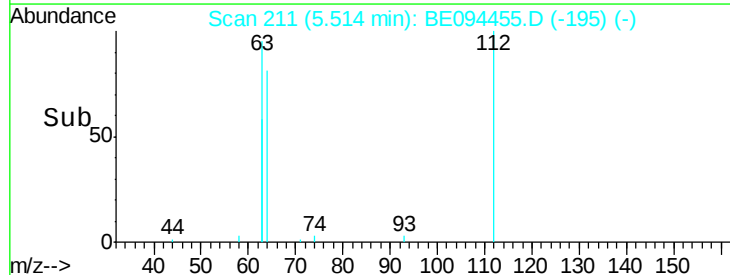
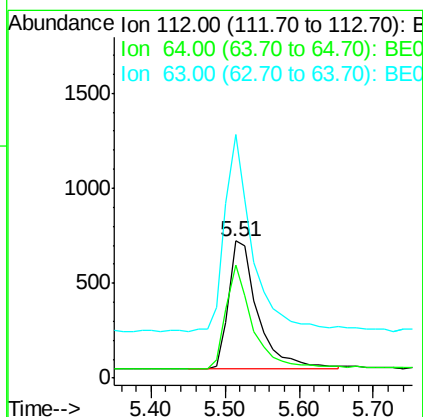
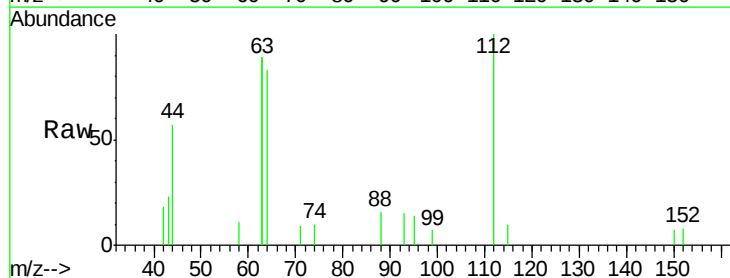
Tgt Ion: 42 Resp: 880
 Ion Ratio Lower Upper
 42 100
 74 133.1 100.3 150.5
 44 11.6 17.0 25.4#

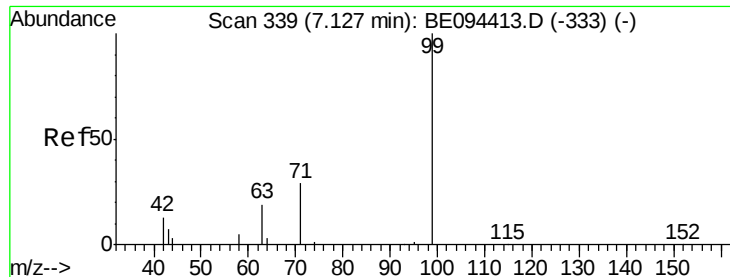


#4

2-Fluorophenol
 Concen: 0.450 ng
 RT: 5.51 min Scan# 211
 Delta R.T. -0.00 min
 Lab File: BE094455.D
 Acq: 19 Oct 2017 19:40

Tgt Ion: 112 Resp: 1876
 Ion Ratio Lower Upper
 112 100
 64 72.9 60.1 90.1
 63 144.6 116.8 175.2





#5

Phenol-d6

Concen: 0.440 ng

RT: 7.13 min Scan# 339

Delta R.T. -0.00 min

Lab File: BE094455.D

Acq: 19 Oct 2017 19:40

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

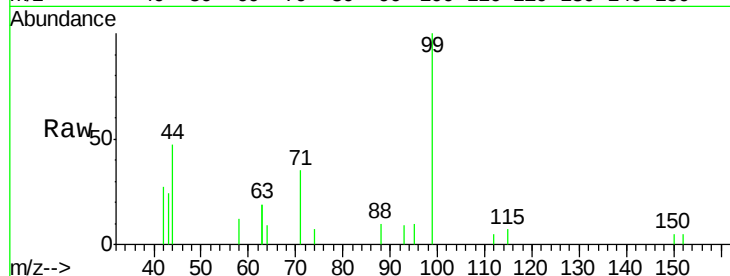
Tgt Ion: 99 Resp: 2858

Ion Ratio Lower Upper

99 100

42 20.0 20.2 30.2#

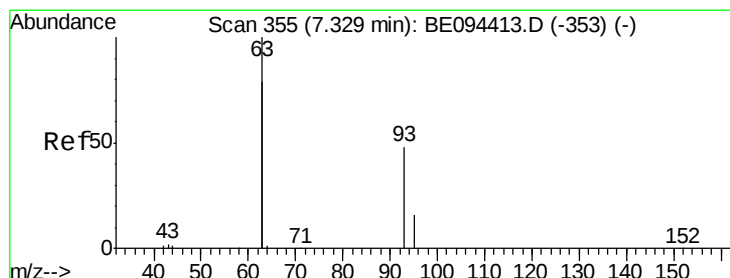
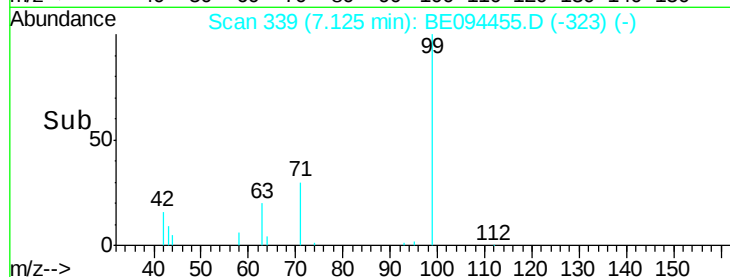
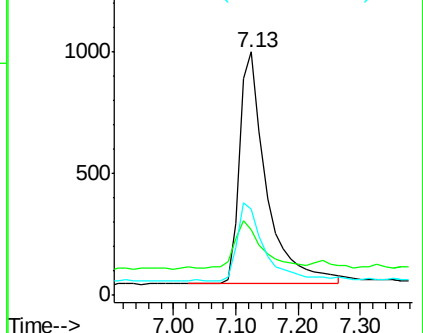
71 34.0 28.4 42.6



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: 0.428 ng

RT: 7.33 min Scan# 355

Delta R.T. -0.00 min

Lab File: BE094455.D

Acq: 19 Oct 2017 19:40

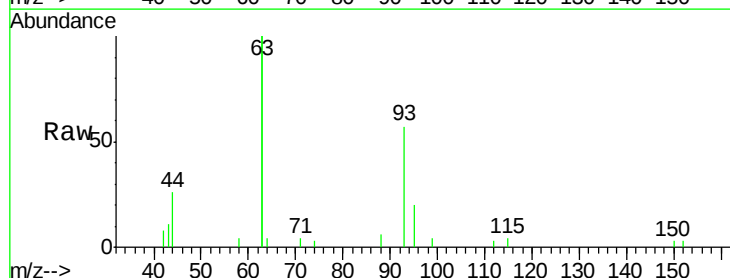
Tgt Ion: 93 Resp: 2056

Ion Ratio Lower Upper

93 100

63 336.4 275.3 412.9

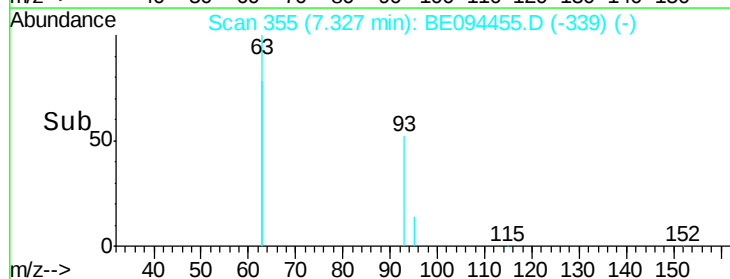
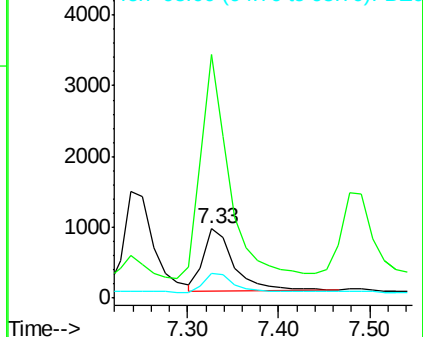
95 30.8 25.2 37.8

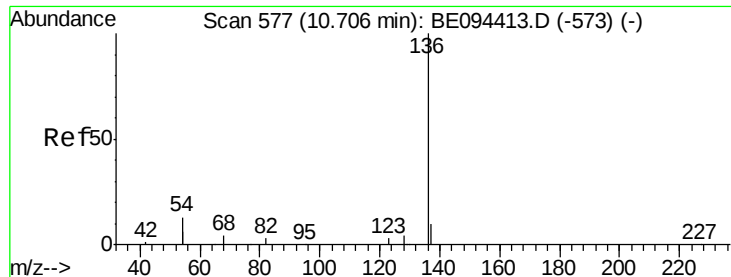


Abundance Ion 93.00 (92.70 to 93.70): BE0

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. -0.02 min

Lab File: BE094455.D

Acq: 19 Oct 2017 19:40

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

Tgt Ion: 136 Resp: 6696

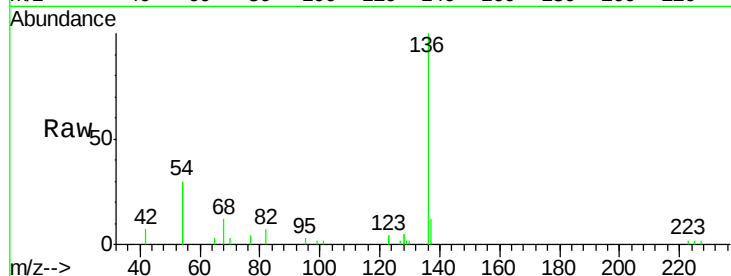
Ion Ratio Lower Upper

136 100

137 12.3 9.5 14.3

54 59.4 29.1 43.7#

68 12.1 6.2 9.2#

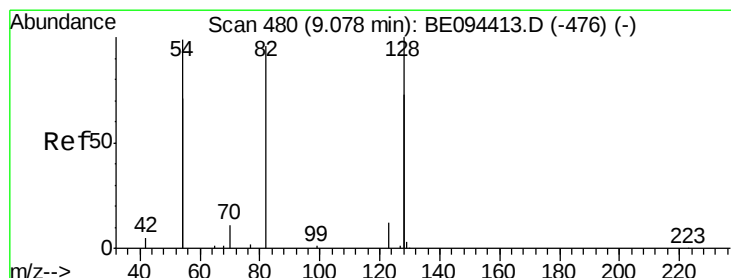
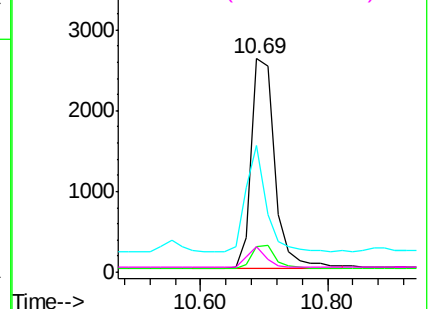
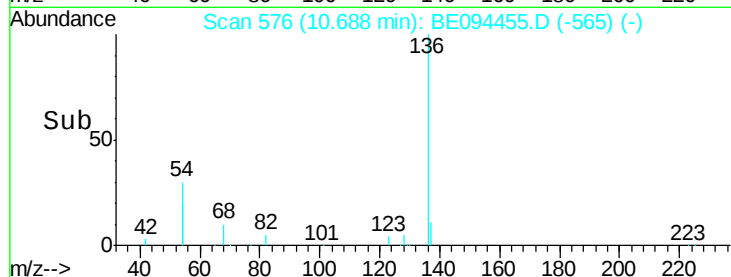


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.418 ng

RT: 9.08 min Scan# 480

Delta R.T. -0.00 min

Lab File: BE094455.D

Acq: 19 Oct 2017 19:40

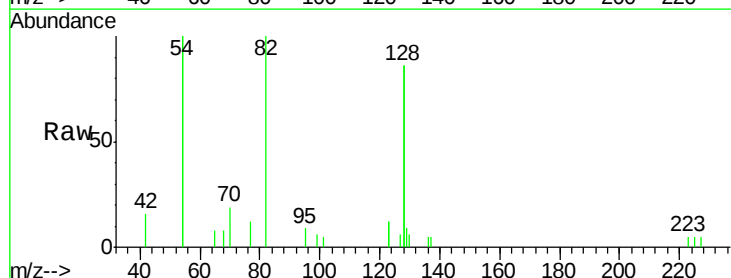
Tgt Ion: 82 Resp: 2435

Ion Ratio Lower Upper

82 100

128 173.4 150.0 225.0

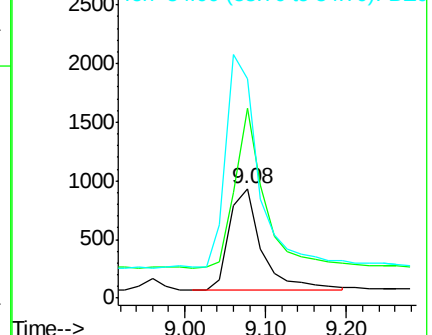
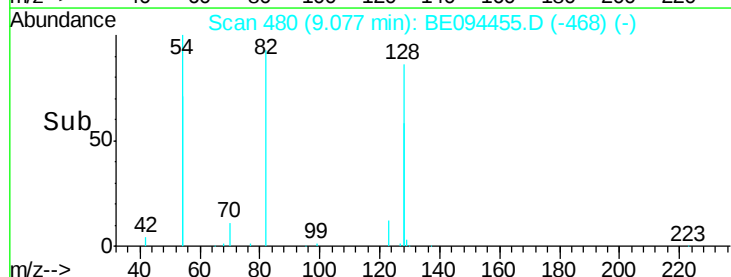
54 200.4 154.2 231.4

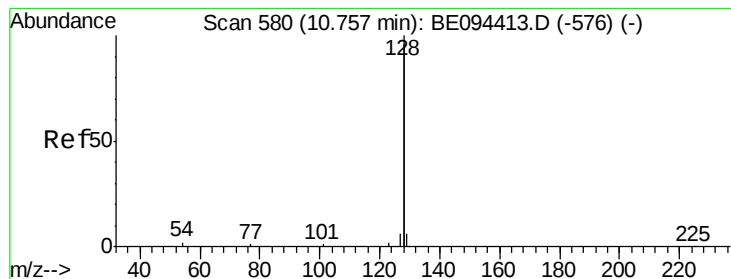


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.432 ng

RT: 10.74 min Scan# 579

Delta R.T. -0.02 min

Lab File: BE094455.D

Acq: 19 Oct 2017 19:40

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

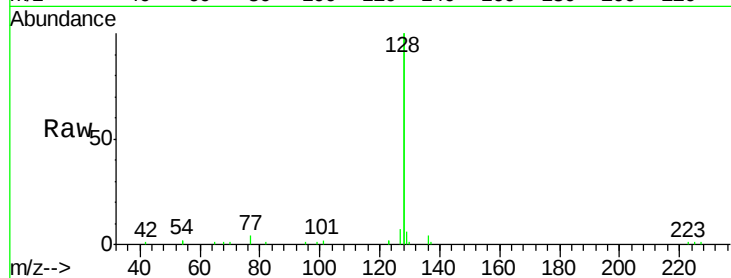
Tgt Ion:128 Resp: 32361

Ion Ratio Lower Upper

128 100

129 3.0 2.6 3.8

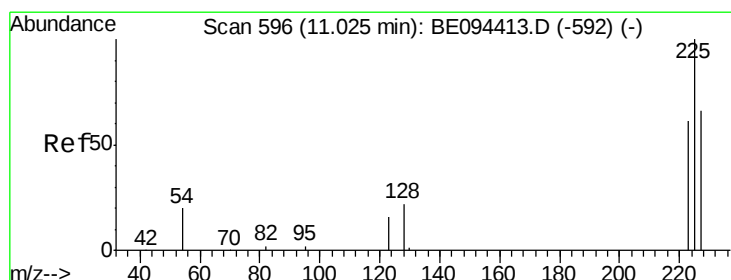
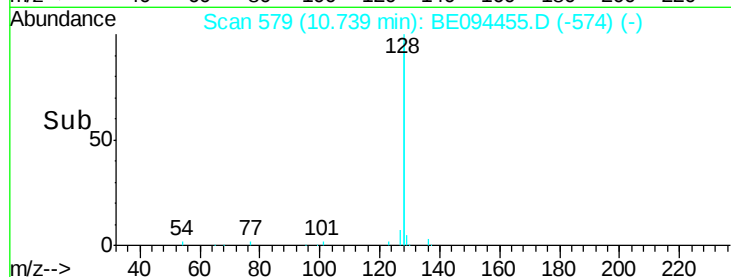
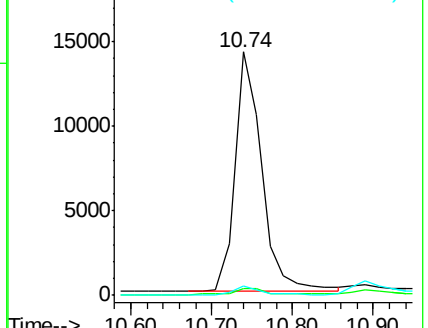
127 3.6 2.8 4.2



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: 0.407 ng

RT: 11.01 min Scan# 595

Delta R.T. -0.02 min

Lab File: BE094455.D

Acq: 19 Oct 2017 19:40

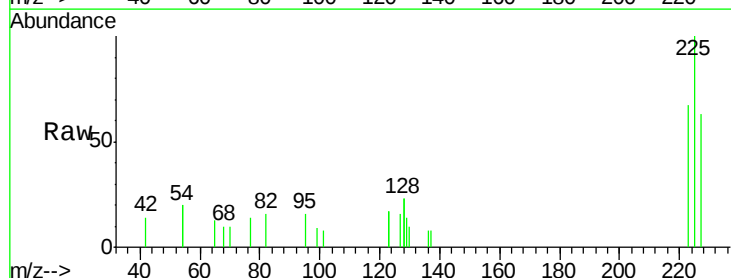
Tgt Ion:225 Resp: 1218

Ion Ratio Lower Upper

225 100

223 62.6 53.0 79.6

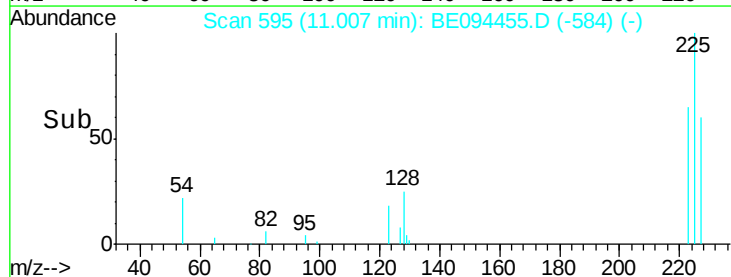
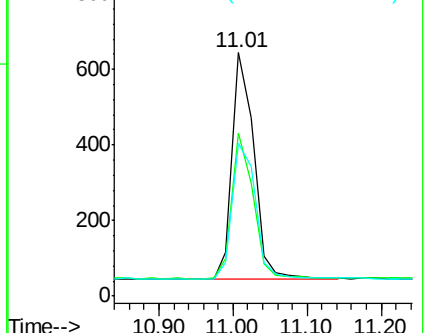
227 64.9 51.4 77.2



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: 0.445 ng

RT: 12.28 min Scan# 823

Delta R.T. -0.00 min

Lab File: BE094455.D

Acq: 19 Oct 2017 19:40

Instrument :

BNA_E

ClientSampleId :

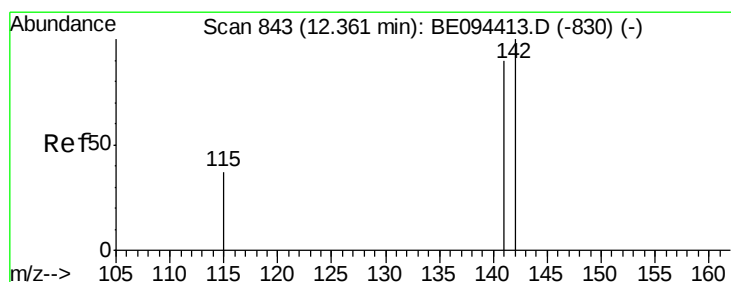
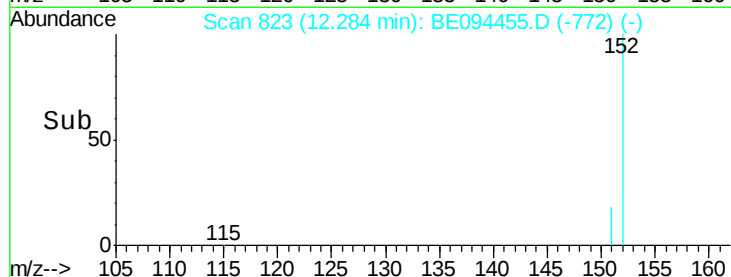
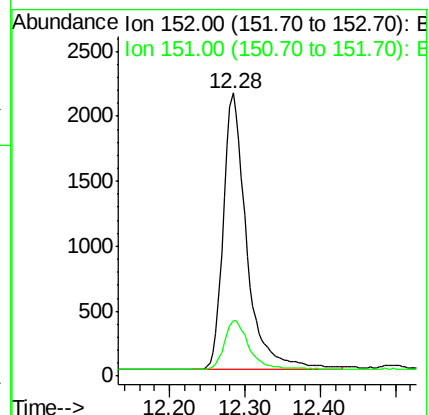
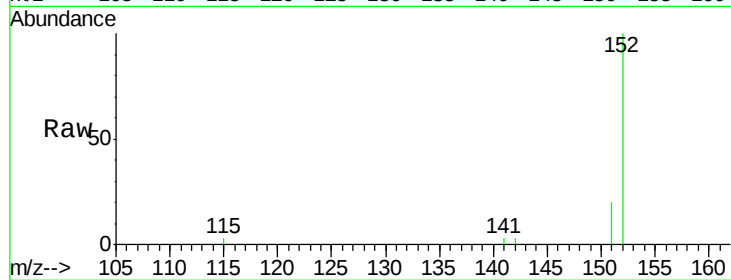
SSTDCCC0.4EC

Tgt Ion:152 Resp: 4594

Ion Ratio Lower Upper

152 100

151 19.0 15.4 23.0



#12

2-Methylnaphthalene

Concen: 0.452 ng

RT: 12.36 min Scan# 842

Delta R.T. -0.00 min

Lab File: BE094455.D

Acq: 19 Oct 2017 19:40

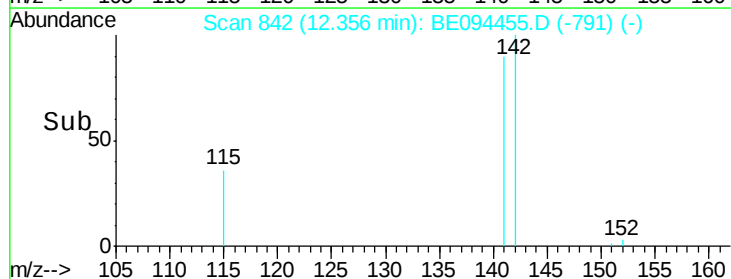
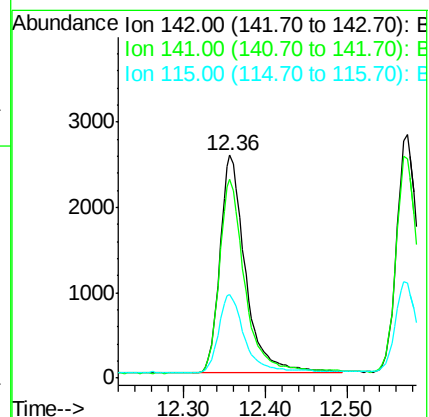
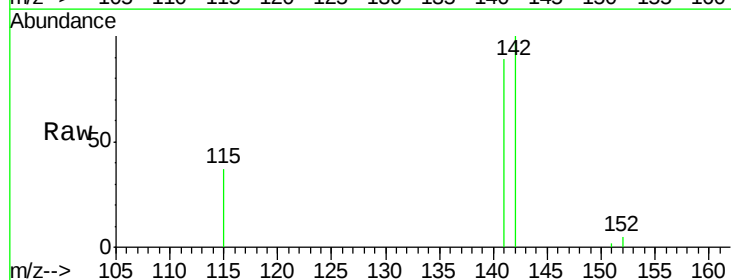
Tgt Ion:142 Resp: 5577

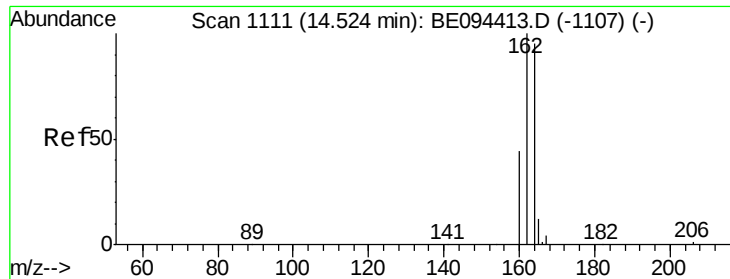
Ion Ratio Lower Upper

142 100

141 89.4 70.4 105.6

115 37.5 31.7 47.5





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.51 min Scan# 1111

Delta R.T. -0.01 min

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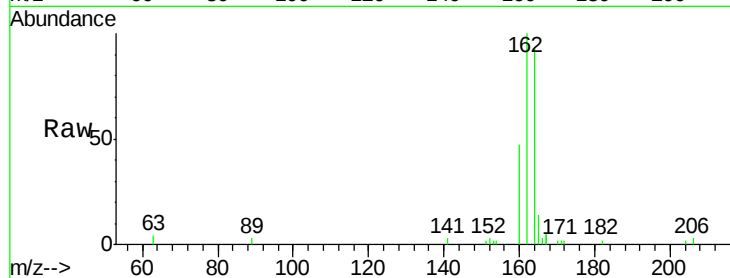
Tgt Ion:164 Resp: 4134

Ion Ratio Lower Upper

164 100

162 107.8 83.1 124.7

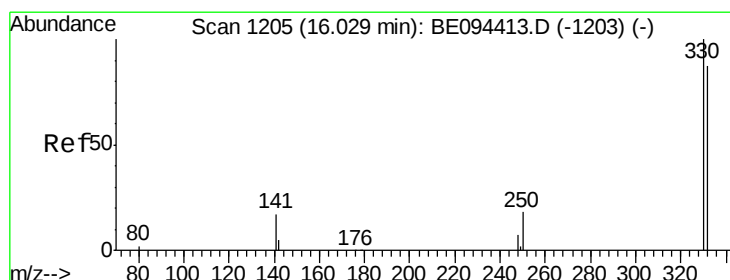
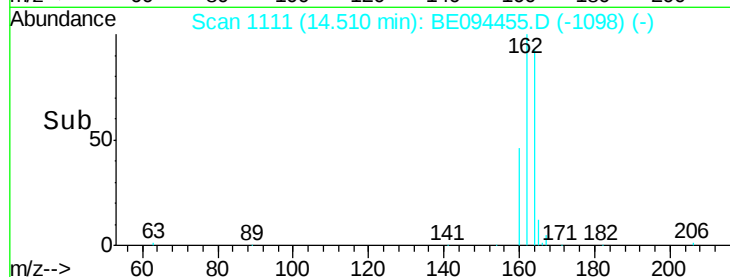
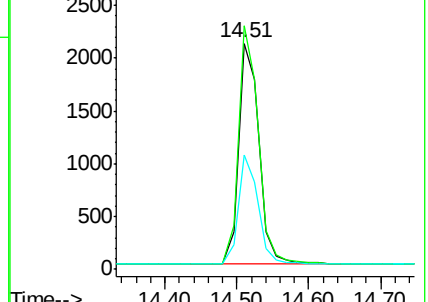
160 50.9 37.1 55.7



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: 0.425 ng

RT: 16.03 min Scan# 1206

Delta R.T. 0.00 min

Lab File: BE094455.D

Acq: 19 Oct 2017 19:40

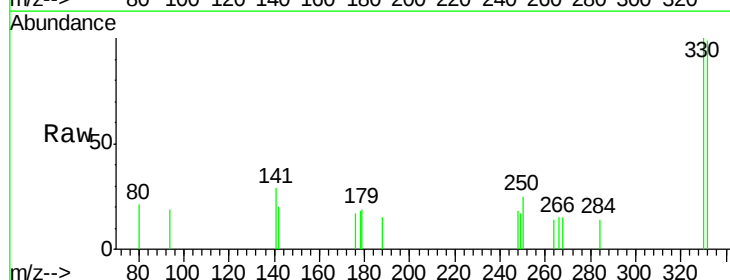
Tgt Ion:330 Resp: 669

Ion Ratio Lower Upper

330 100

332 99.4 152.7 229.1#

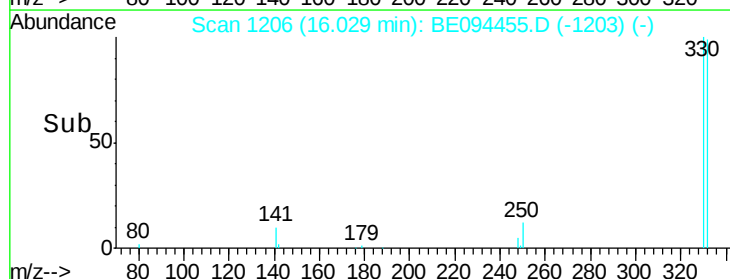
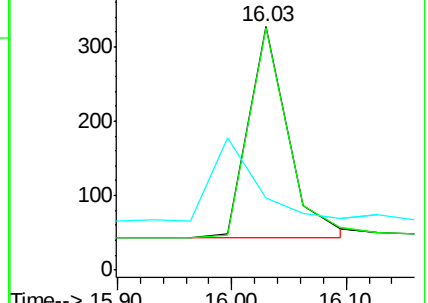
141 0.0 33.7 50.5#

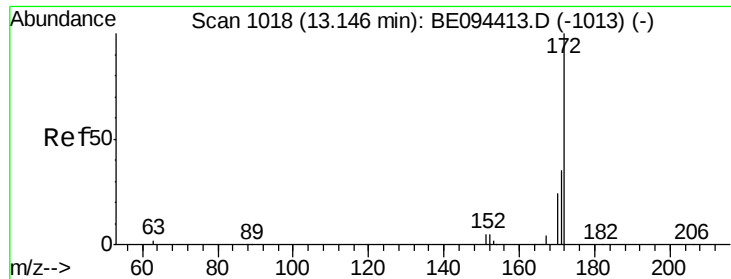


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

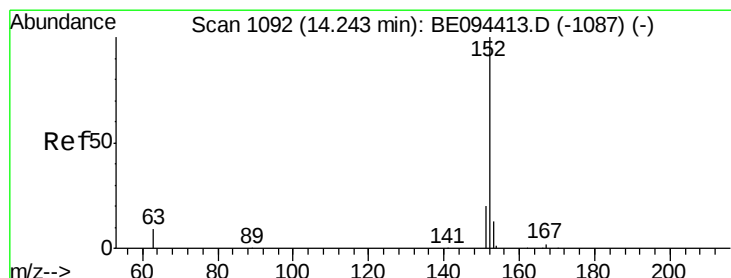
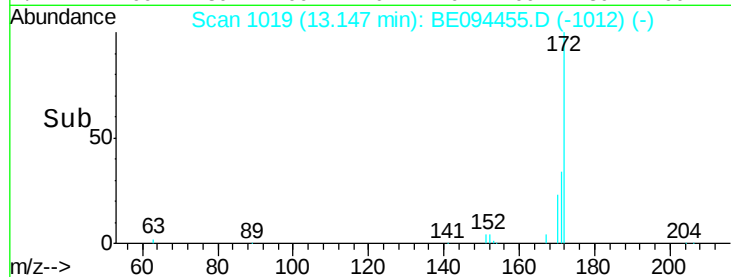
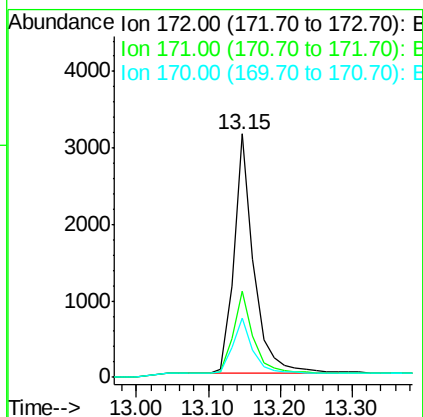
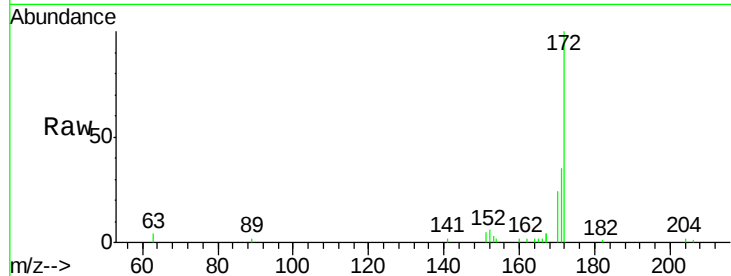




#15
2-Fluorobiphenyl
Concen: 0.412 ng
RT: 13.15 min Scan# 1019
Delta R.T. 0.00 min
Lab File: BE094455.D
Acq: 19 Oct 2017 19:40

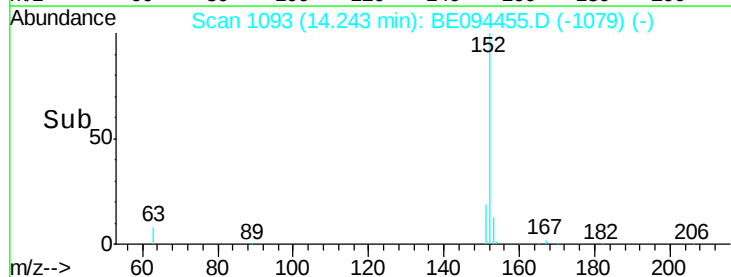
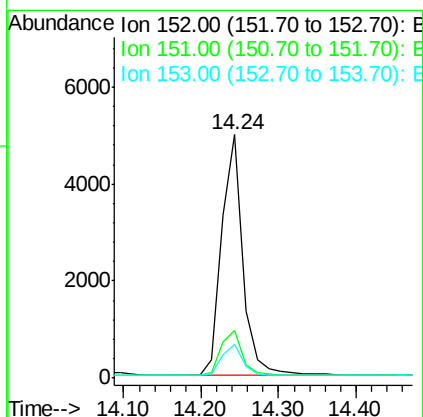
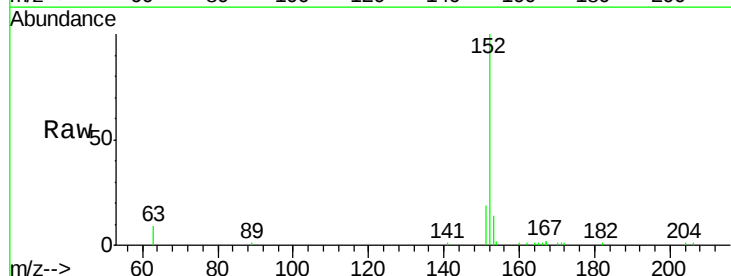
Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

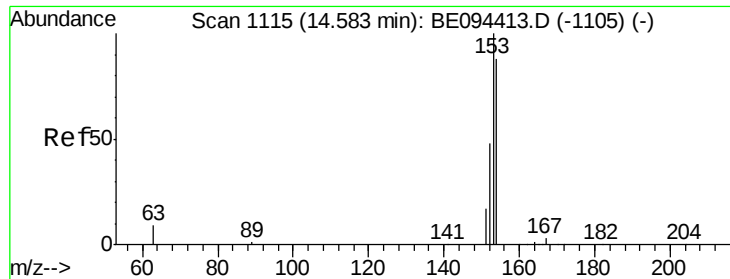
Tgt Ion:172 Resp: 6079
Ion Ratio Lower Upper
172 100
171 35.4 29.9 44.9
170 24.3 21.8 32.8



#16
Acenaphthylene
Concen: 0.419 ng
RT: 14.24 min Scan# 1093
Delta R.T. 0.00 min
Lab File: BE094455.D
Acq: 19 Oct 2017 19:40

Tgt Ion:152 Resp: 9388
Ion Ratio Lower Upper
152 100
151 19.5 15.7 23.5
153 13.1 10.5 15.7





#17

Acenaphthene

Concen: 0.413 ng

RT: 14.58 min Scan# 1116

Delta R.T. 0.00 min

Lab File: BE094455.D

Acq: 19 Oct 2017 19:40

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

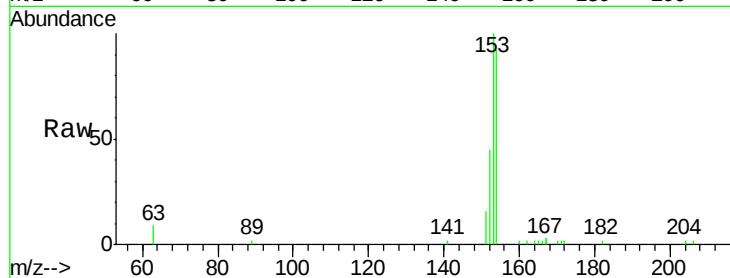
Tgt Ion:154 Resp: 5833

Ion Ratio Lower Upper

154 100

153 114.9 89.2 133.8

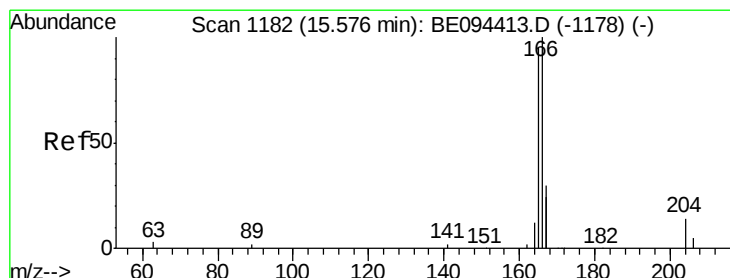
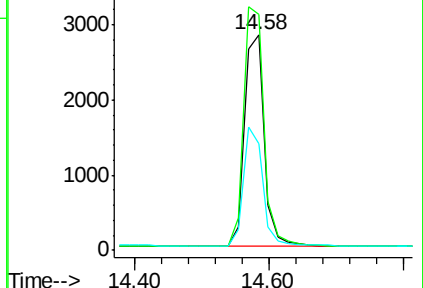
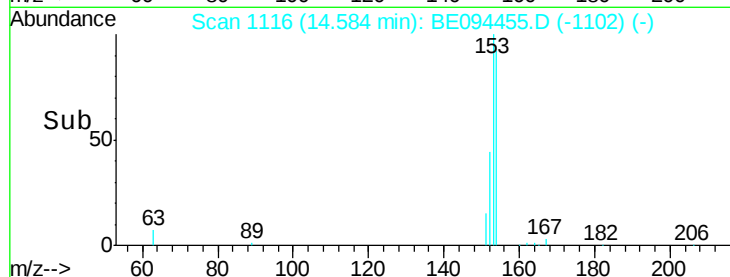
152 54.1 42.0 63.0



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: 0.419 ng

RT: 15.56 min Scan# 1182

Delta R.T. -0.01 min

Lab File: BE094455.D

Acq: 19 Oct 2017 19:40

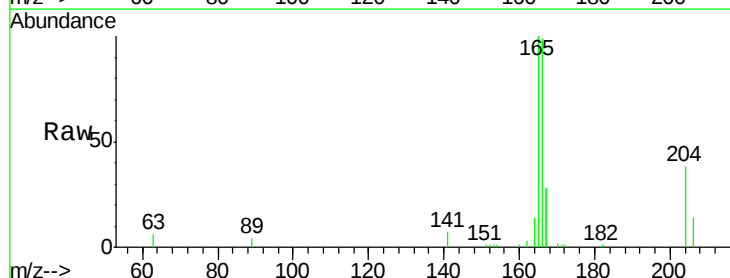
Tgt Ion:166 Resp: 7625

Ion Ratio Lower Upper

166 100

165 98.9 77.8 116.6

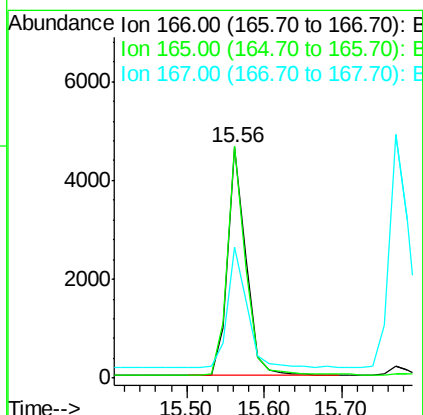
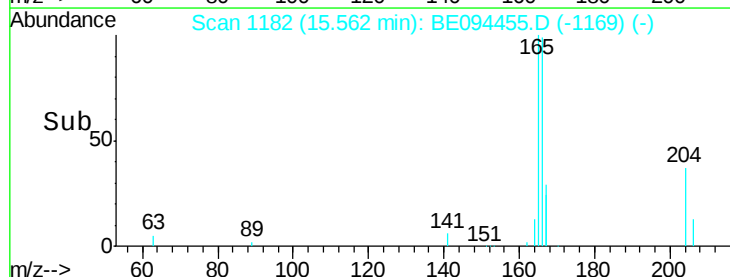
167 54.3 42.4 63.6

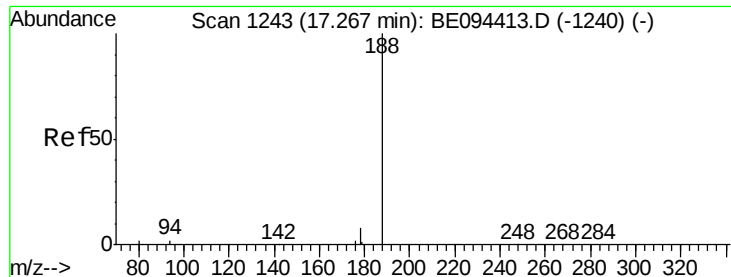


Abundance Ion 166.00 (165.70 to 166.70): E

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. -0.03 min

Lab File: BE094455.D

Acq: 19 Oct 2017 19:40

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

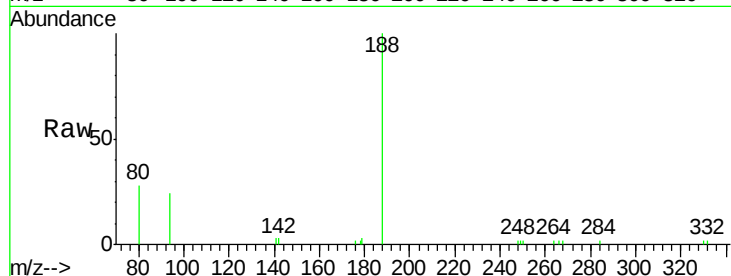
Tgt Ion:188 Resp: 7741

Ion Ratio Lower Upper

188 100

94 24.3 3.9 5.9#

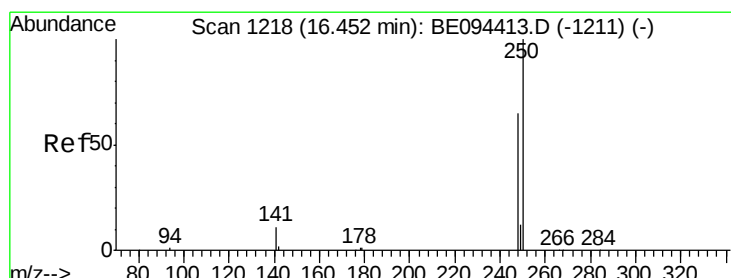
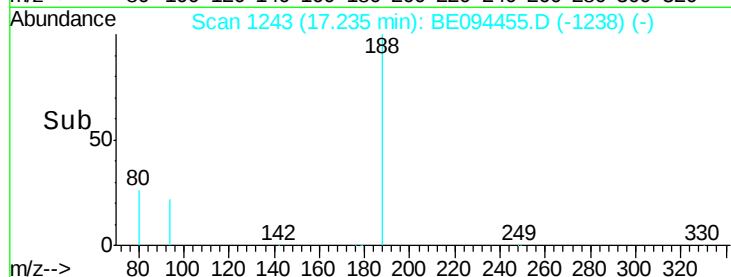
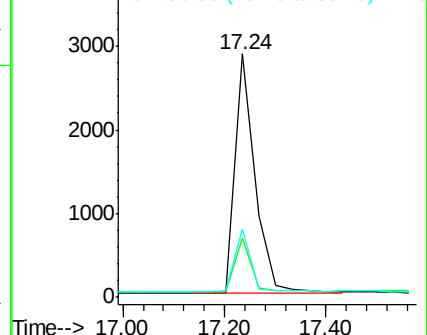
80 28.0 3.6 5.4#



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: 0.484 ng

RT: 16.42 min Scan# 1218

Delta R.T. -0.03 min

Lab File: BE094455.D

Acq: 19 Oct 2017 19:40

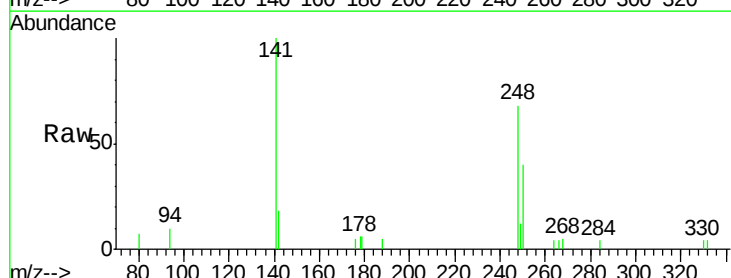
Tgt Ion:248 Resp: 1874

Ion Ratio Lower Upper

248 100

250 59.5 62.7 94.1#

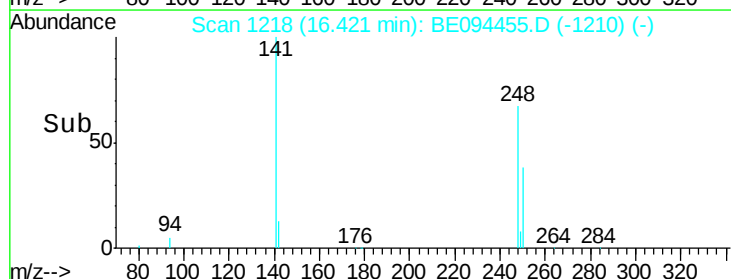
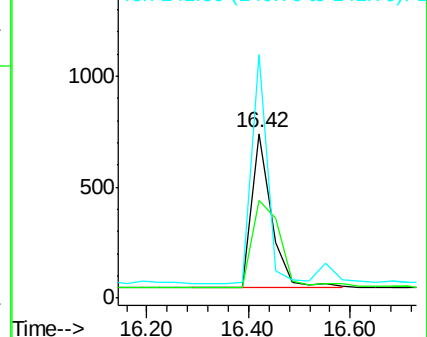
141 148.0 48.2 72.2#



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

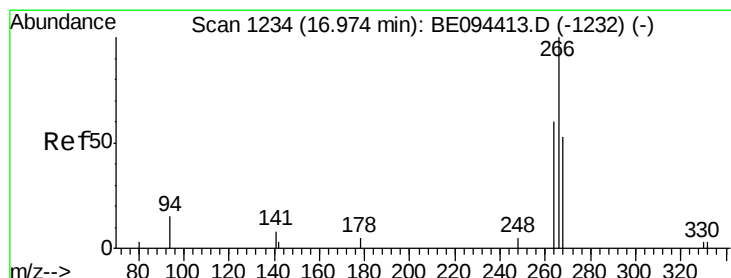
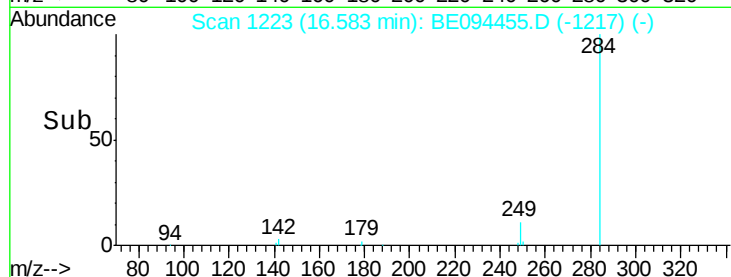
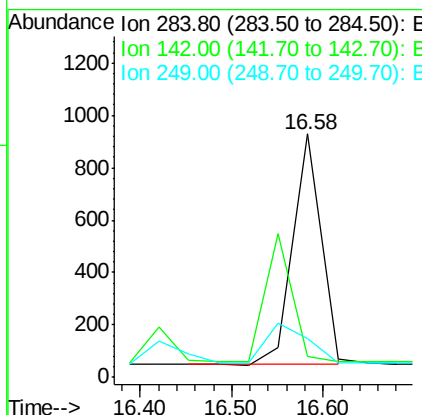
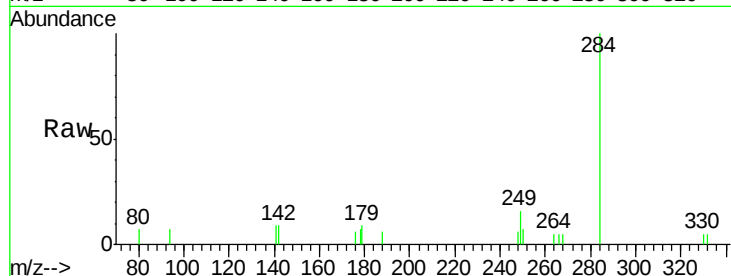




#21
Hexachlorobenzene
Concen: 0.259 ng
RT: 16.58 min Scan# 1223
Delta R.T. 0.00 min
Lab File: BE094455.D
Acq: 19 Oct 2017 19:40

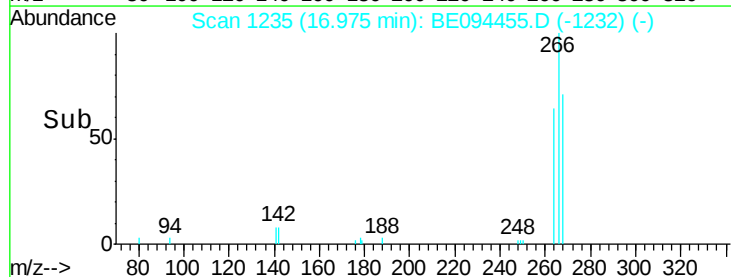
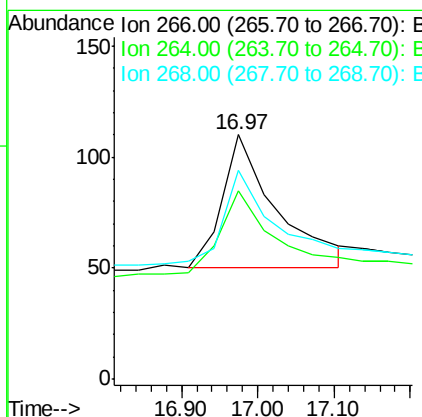
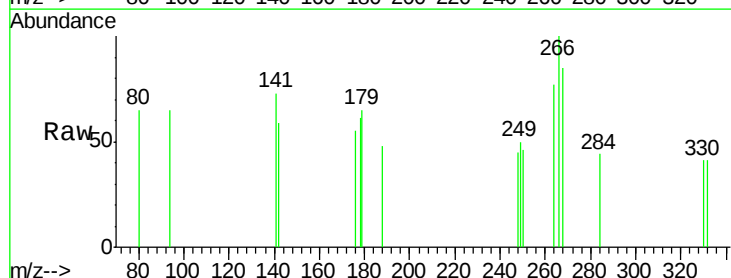
Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

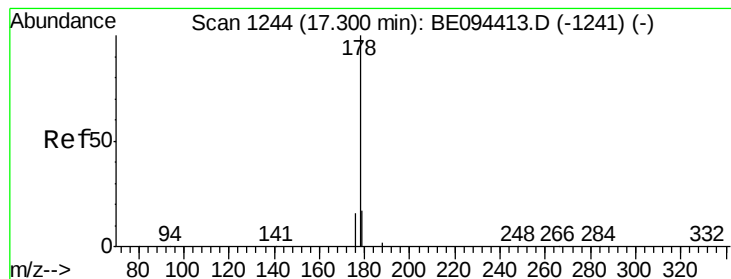
Tgt Ion: 284 Resp: 1897
Ion Ratio Lower Upper
284 100
142 0.0 22.1 33.1#
249 0.0 34.8 52.2#



#22
Pentachlorophenol
Concen: 0.523 ng
RT: 16.97 min Scan# 1235
Delta R.T. 0.00 min
Lab File: BE094455.D
Acq: 19 Oct 2017 19:40

Tgt Ion: 266 Resp: 299
Ion Ratio Lower Upper
266 100
264 77.3 72.5 108.7
268 85.5 73.8 110.6





#23

Phenanthrene

Concen: 0.286 ng

RT: 17.30 min Scan# 1245

Delta R.T. 0.00 min

Lab File: BE094455.D

Acq: 19 Oct 2017 19:40

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

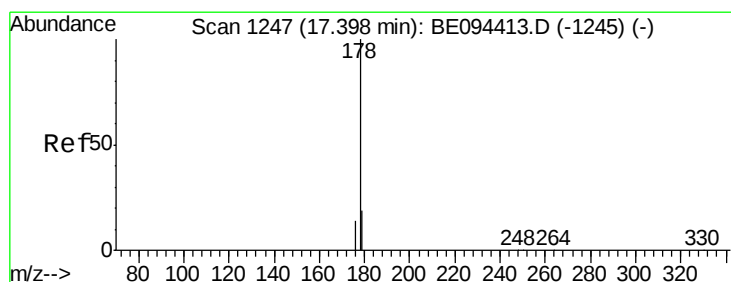
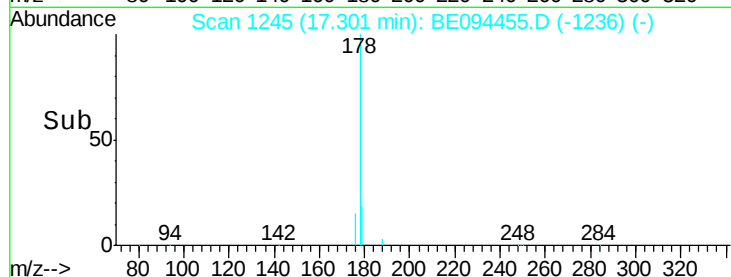
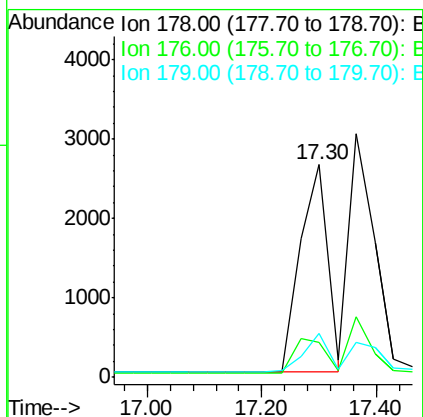
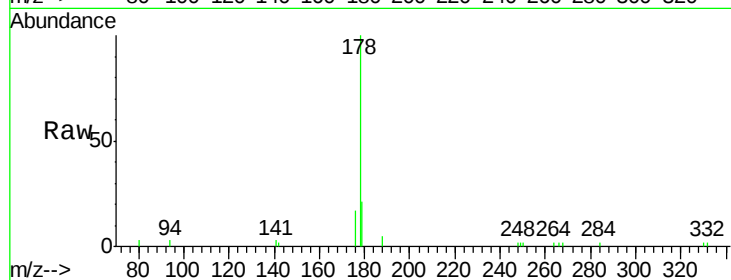
Tgt Ion:178 Resp: 8716

Ion Ratio Lower Upper

178 100

176 0.0 15.1 22.7#

179 16.4 11.8 17.6



#24

Anthracene

Concen: 0.397 ng

RT: 17.37 min Scan# 1247

Delta R.T. -0.03 min

Lab File: BE094455.D

Acq: 19 Oct 2017 19:40

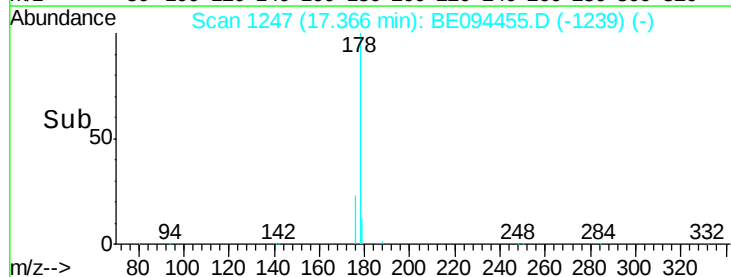
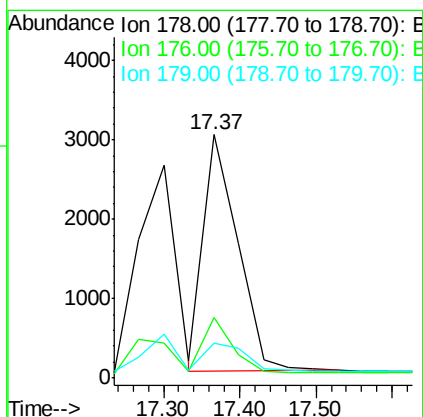
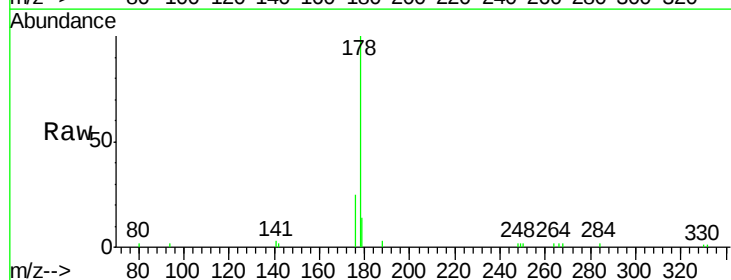
Tgt Ion:178 Resp: 9337

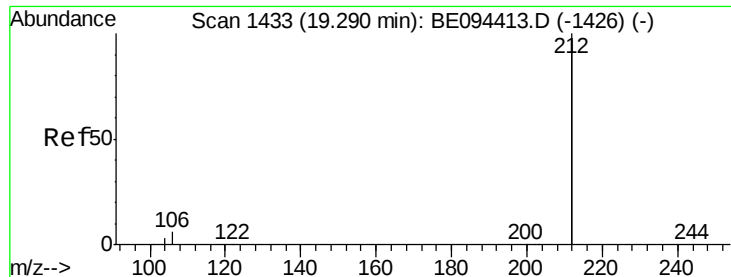
Ion Ratio Lower Upper

178 100

176 20.3 12.8 19.2#

179 0.0 13.0 19.6#

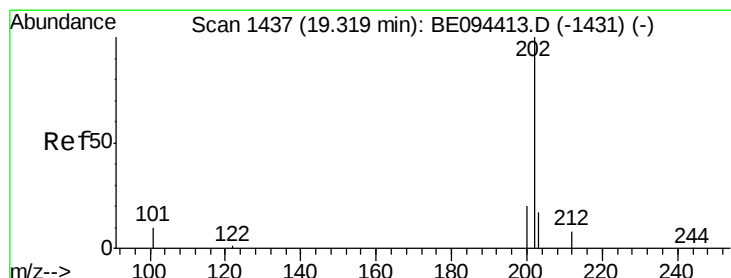
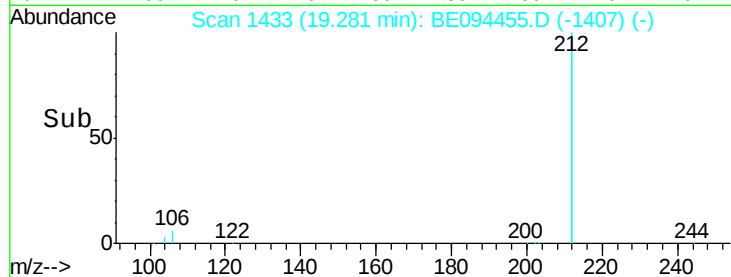
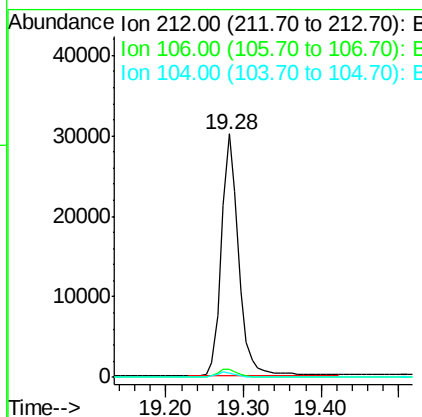
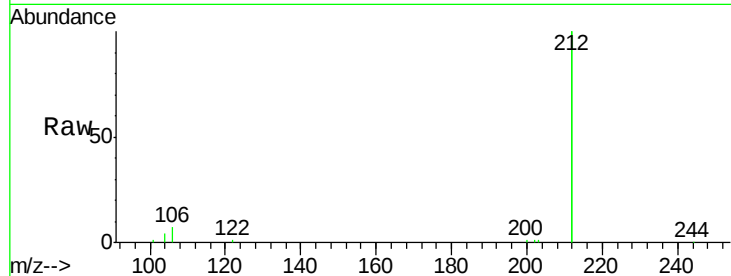




#25
 Fluoranthene-d10
 Concen: 0.368 ng
 RT: 19.28 min Scan# 1433
 Delta R.T. -0.01 min
 Lab File: BE094455.D
 Acq: 19 Oct 2017 19:40

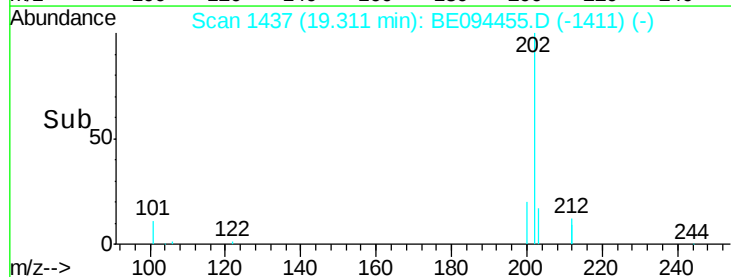
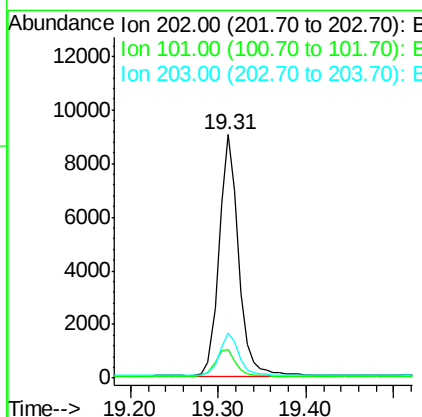
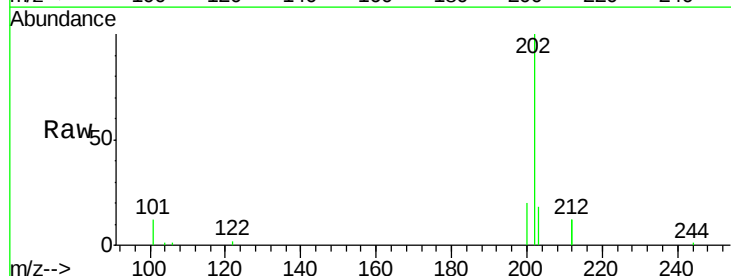
Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC0.4EC

Tgt Ion: 212 Resp: 45849
 Ion Ratio Lower Upper
 212 100
 106 3.4 2.8 4.2
 104 2.0 1.6 2.4



#26
 Fluoranthene
 Concen: 0.366 ng
 RT: 19.31 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BE094455.D
 Acq: 19 Oct 2017 19:40

Tgt Ion: 202 Resp: 13853
 Ion Ratio Lower Upper
 202 100
 101 11.7 9.8 14.8
 203 17.2 13.7 20.5





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.43 min Scan# 1656

Delta R.T. -0.00 min

Lab File: BE094455.D

Acq: 19 Oct 2017 19:40

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

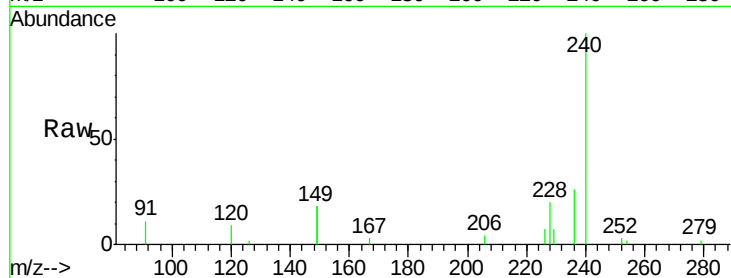
Tgt Ion:240 Resp: 9744

Ion Ratio Lower Upper

240 100

120 9.5 5.5 8.3#

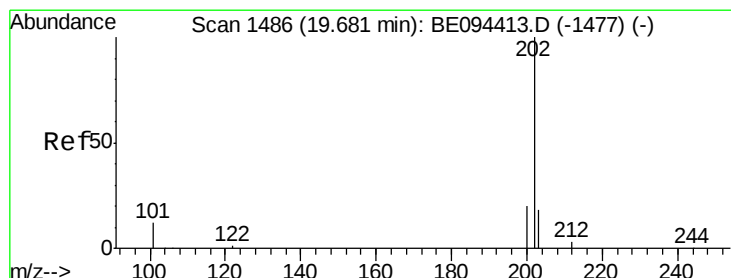
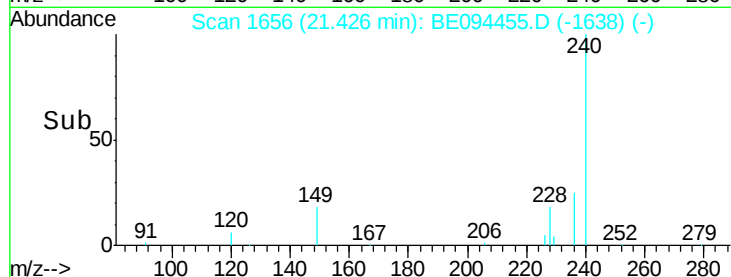
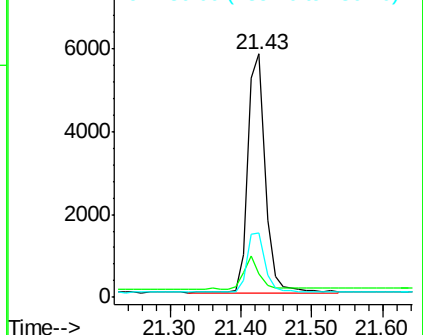
236 26.5 20.7 31.1



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: 0.397 ng

RT: 19.67 min Scan# 1486

Delta R.T. -0.01 min

Lab File: BE094455.D

Acq: 19 Oct 2017 19:40

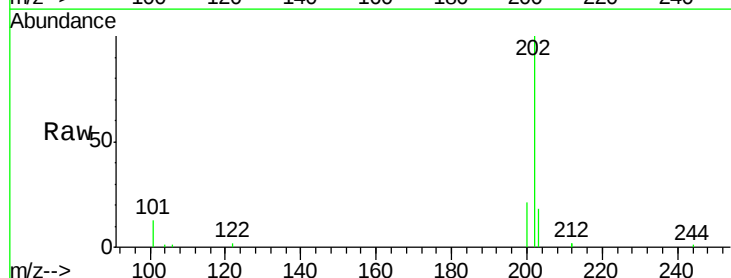
Tgt Ion:202 Resp: 14601

Ion Ratio Lower Upper

202 100

200 20.8 16.6 25.0

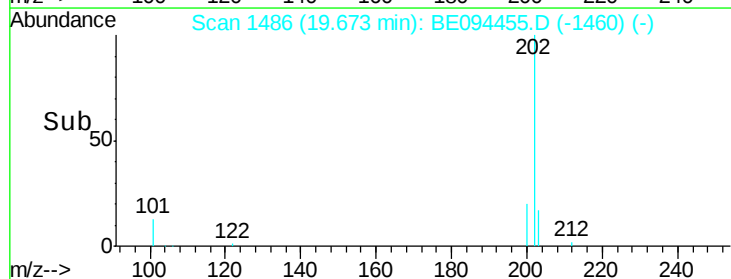
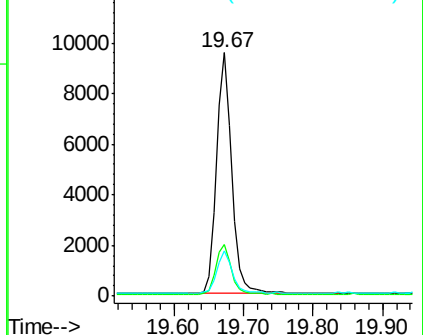
203 17.6 13.8 20.8

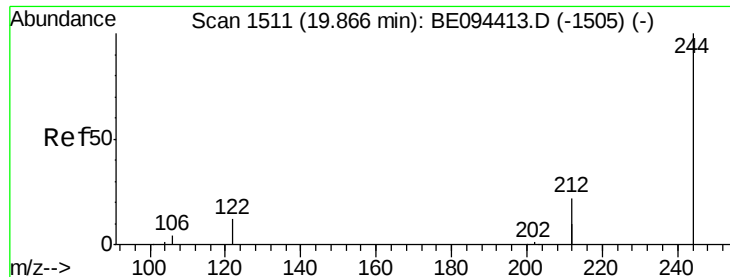


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.403 ng

RT: 19.86 min Scan# 1511

Delta R.T. -0.01 min

Lab File: BE094455.D

Acq: 19 Oct 2017 19:40

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

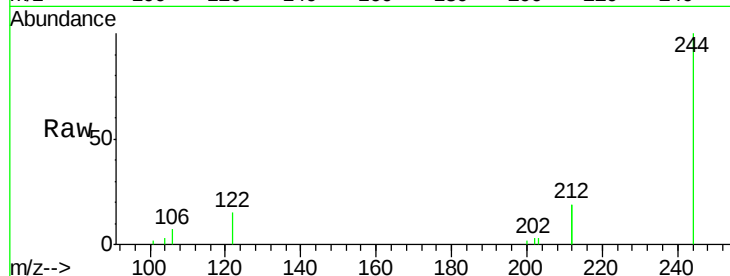
Tgt Ion:244 Resp: 7932

Ion Ratio Lower Upper

244 100

212 38.6 25.4 38.0#

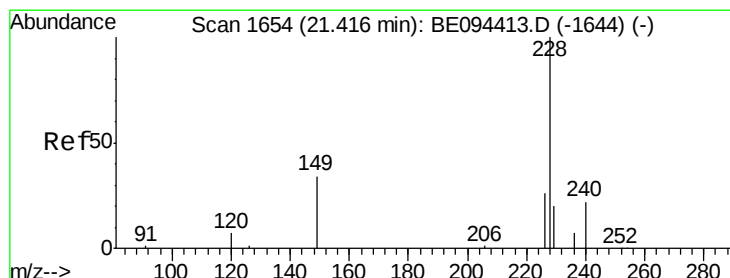
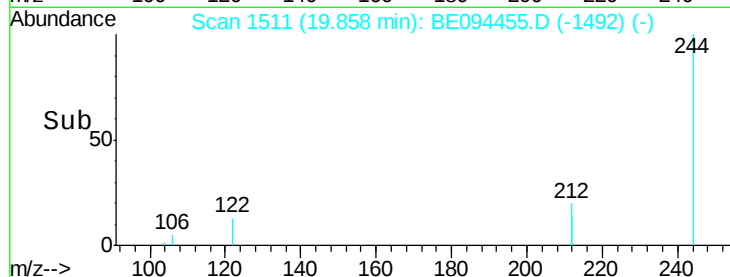
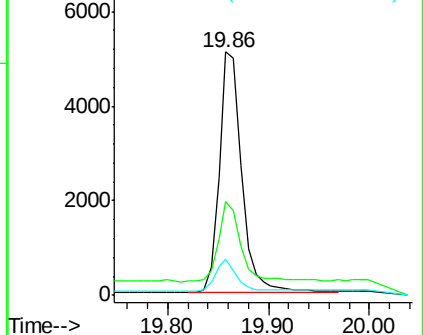
122 14.9 8.1 12.1#



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: 0.407 ng

RT: 21.40 min Scan# 1654

Delta R.T. -0.01 min

Lab File: BE094455.D

Acq: 19 Oct 2017 19:40

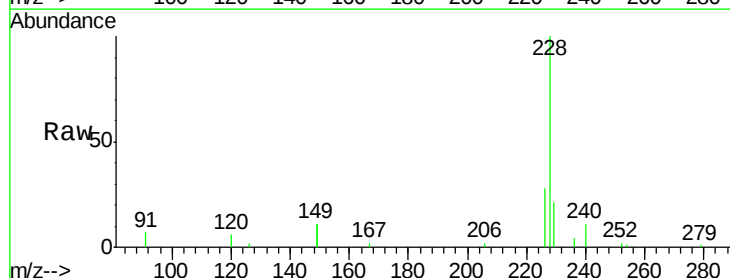
Tgt Ion:228 Resp: 13707

Ion Ratio Lower Upper

228 100

226 27.6 40.0 60.0#

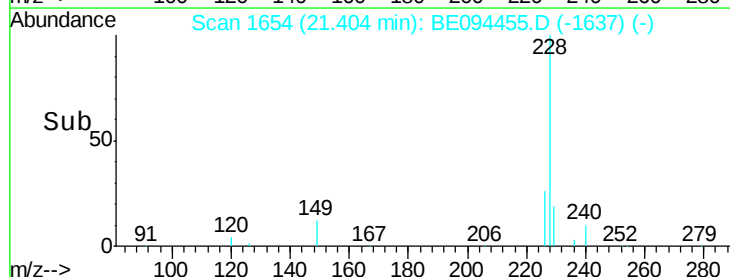
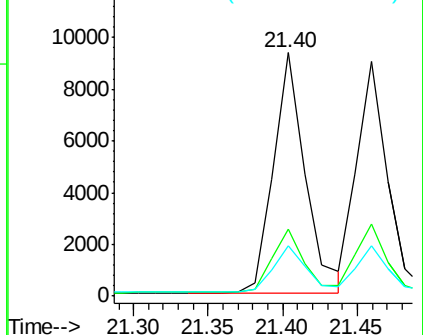
229 20.9 40.0 60.0#

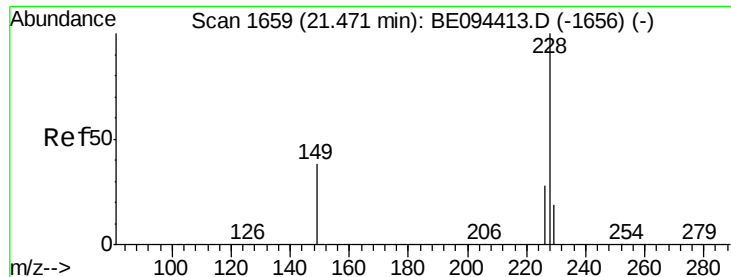


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.400 ng

RT: 21.46 min Scan# 1659

Delta R.T. -0.01 min

Lab File: BE094455.D

Acq: 19 Oct 2017 19:40

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

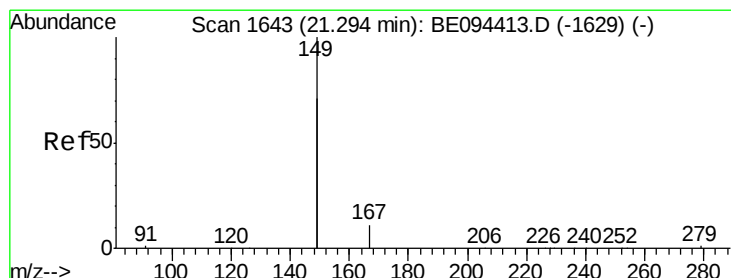
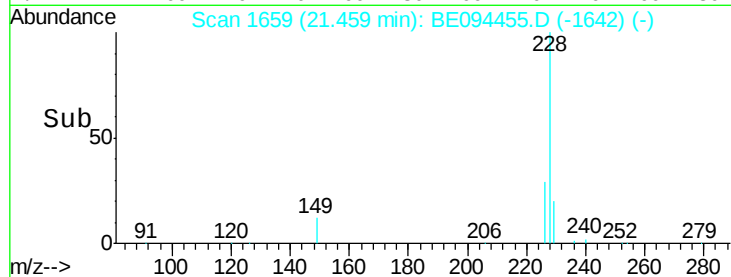
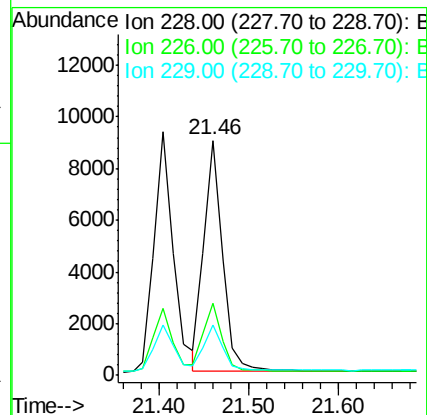
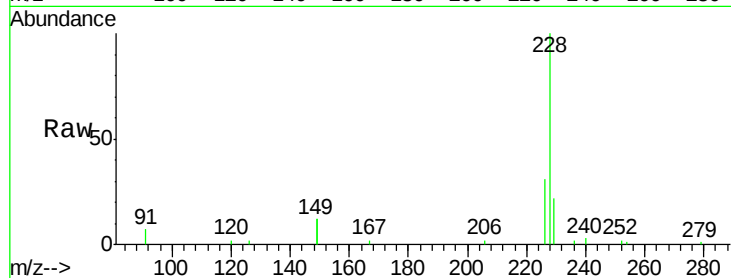
Tgt Ion: 228 Resp: 12977

Ion Ratio Lower Upper

228 100

226 30.5 40.0 60.0#

229 21.5 40.0 60.0#



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.368 ng

RT: 21.29 min Scan# 1644

Delta R.T. -0.00 min

Lab File: BE094455.D

Acq: 19 Oct 2017 19:40

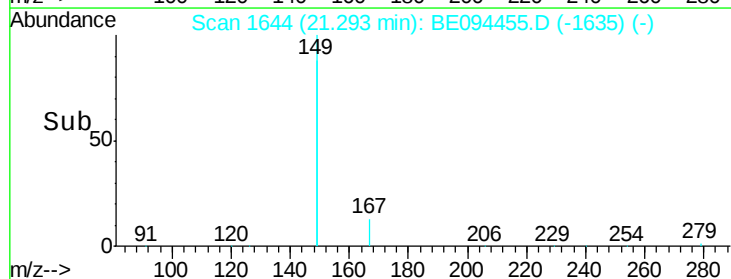
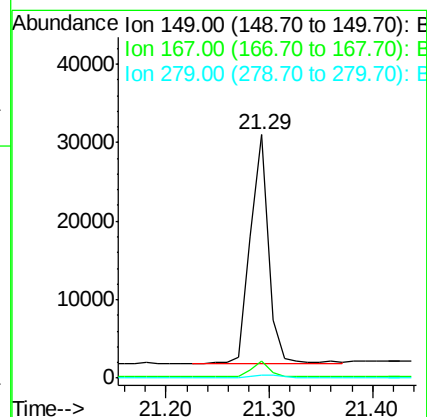
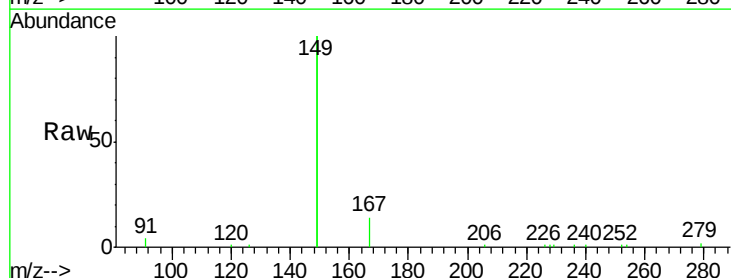
Tgt Ion: 149 Resp: 35674

Ion Ratio Lower Upper

149 100

167 6.8 5.4 8.0

279 0.9 0.7 1.1





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.406 ng

RT: 26.63 min Scan# 2716

Delta R.T. -0.03 min

Lab File: BE094455.D

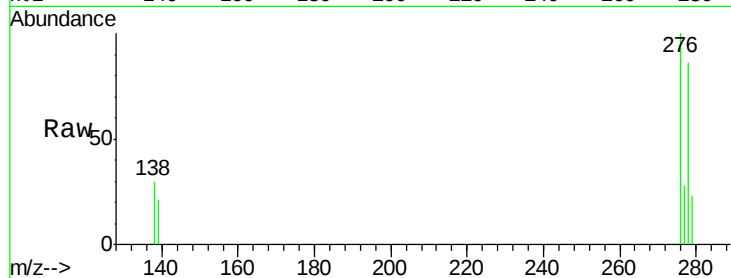
Acq: 19 Oct 2017 19:40

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC



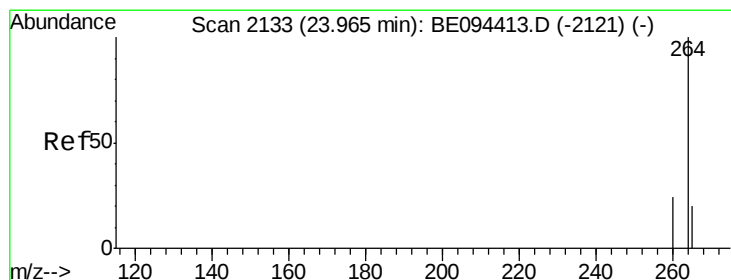
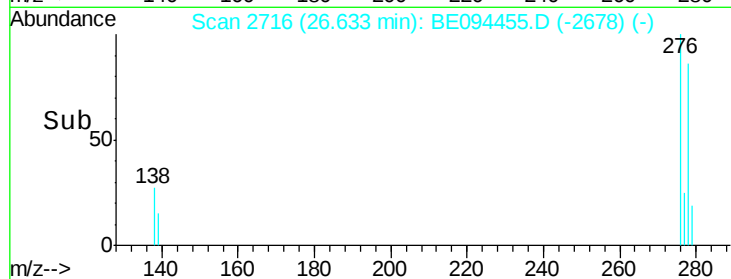
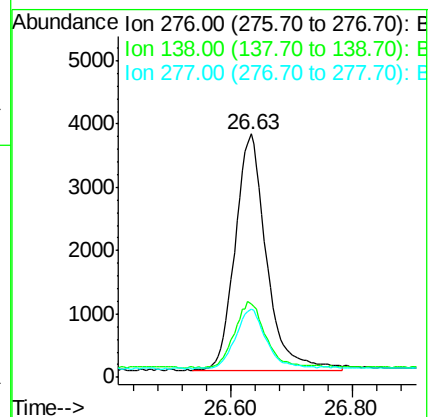
Tgt Ion:276 Resp: 13251

Ion Ratio Lower Upper

276 100

138 27.5 22.5 33.7

277 24.5 19.9 29.9



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.95 min Scan# 2130

Delta R.T. -0.02 min

Lab File: BE094455.D

Acq: 19 Oct 2017 19:40

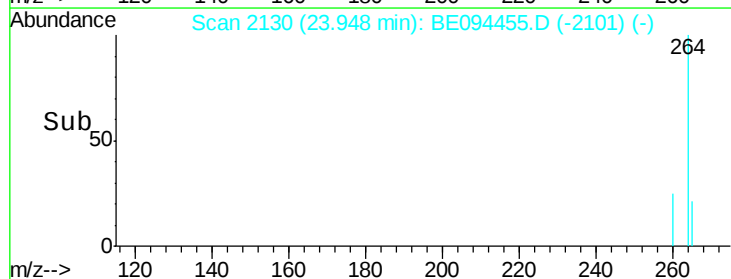
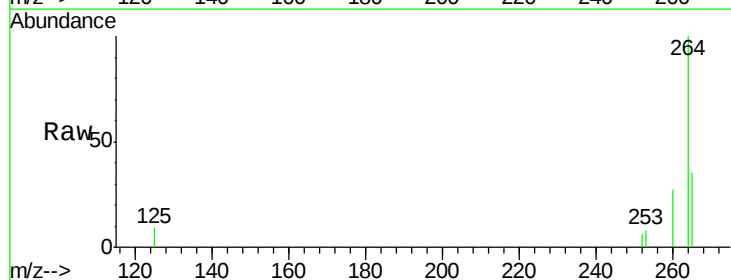
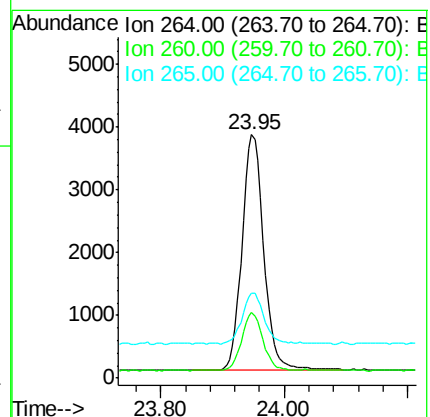
Tgt Ion:264 Resp: 9227

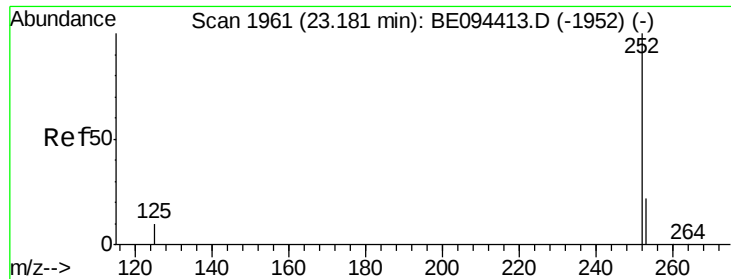
Ion Ratio Lower Upper

264 100

260 27.1 20.5 30.7

265 34.9 22.8 34.2#





#35

Benzo(b)fluoranthene

Concen: 0.412 ng

RT: 23.17 min Scan# 1959

Delta R.T. -0.01 min

Lab File: BE094455.D

Acq: 19 Oct 2017 19:40

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

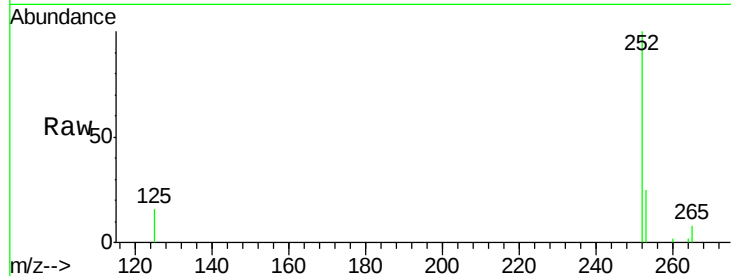
Tgt Ion:252 Resp: 12884

Ion Ratio Lower Upper

252 100

253 25.4 48.0 72.0#

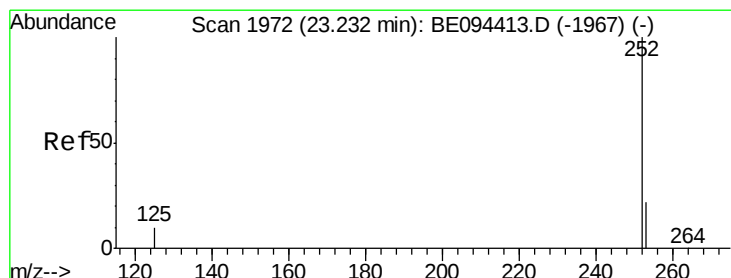
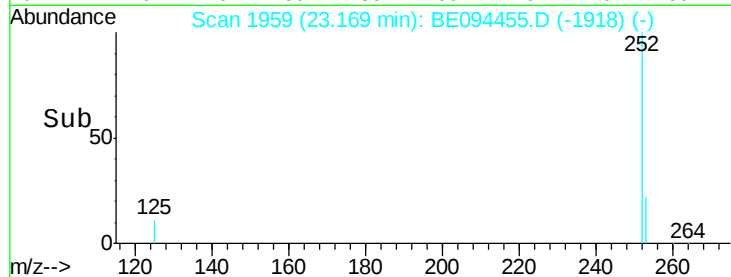
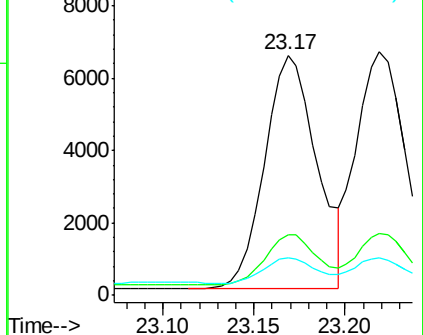
125 15.7 56.0 84.0#



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: 0.417 ng

RT: 23.22 min Scan# 1970

Delta R.T. -0.01 min

Lab File: BE094455.D

Acq: 19 Oct 2017 19:40

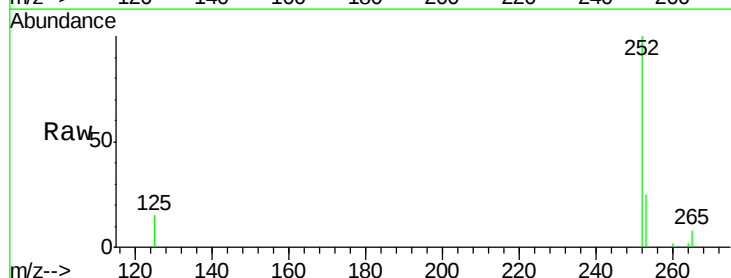
Tgt Ion:252 Resp: 12848

Ion Ratio Lower Upper

252 100

253 25.4 48.0 72.0#

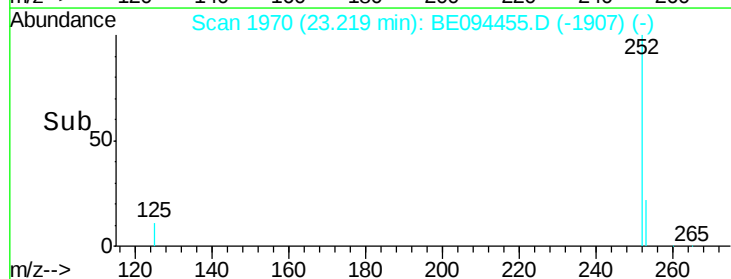
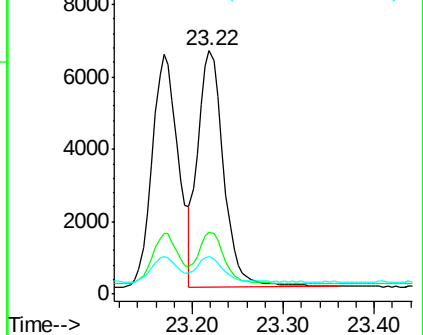
125 15.4 56.0 84.0#

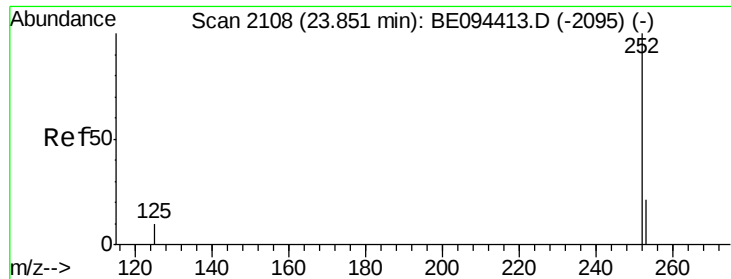


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.412 ng

RT: 23.84 min Scan# 2106

Delta R.T. -0.01 min

Lab File: BE094455.D

Acq: 19 Oct 2017 19:40

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

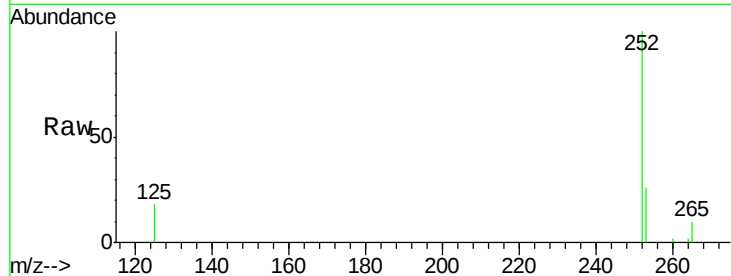
Tgt Ion:252 Resp: 12113

Ion Ratio Lower Upper

252 100

253 26.1 52.0 78.0#

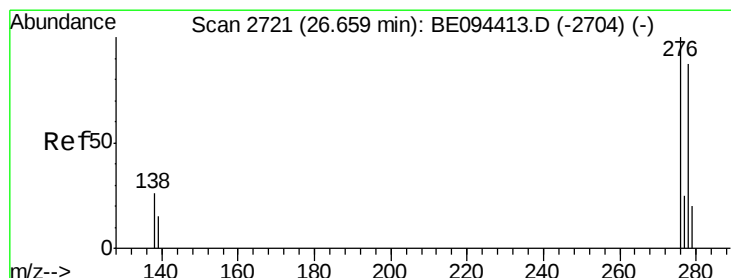
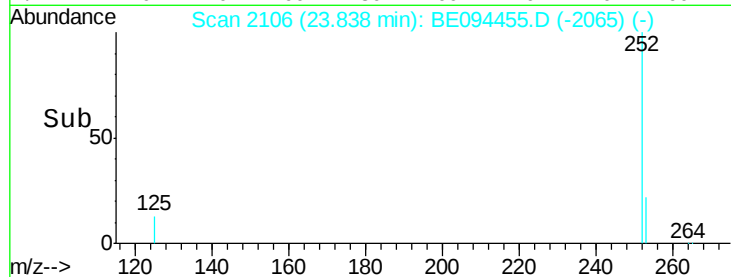
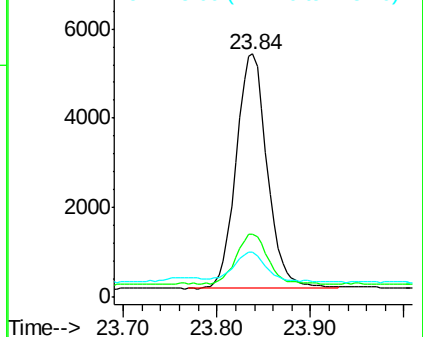
125 18.4 68.0 102.0#



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: 0.412 ng

RT: 26.63 min Scan# 2716

Delta R.T. -0.03 min

Lab File: BE094455.D

Acq: 19 Oct 2017 19:40

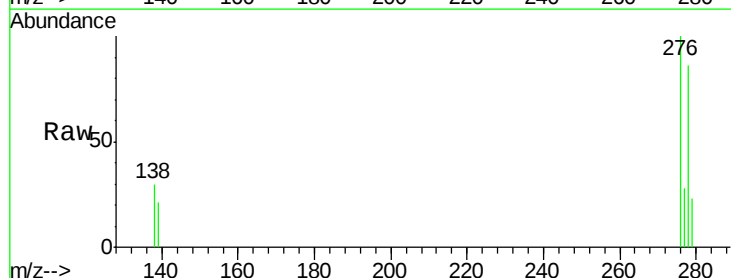
Tgt Ion:278 Resp: 11459

Ion Ratio Lower Upper

278 100

139 23.9 56.0 84.0#

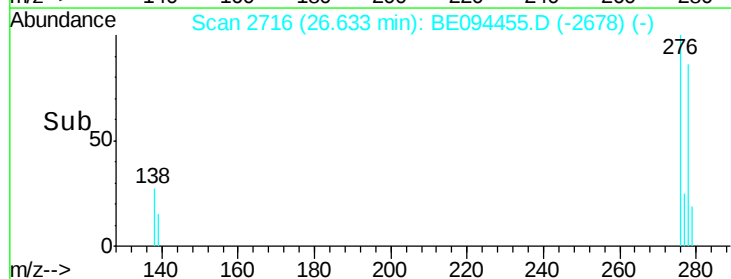
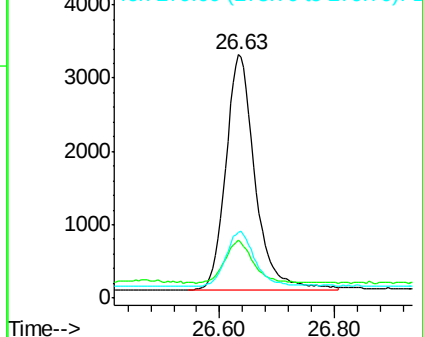
279 26.9 52.0 78.0#

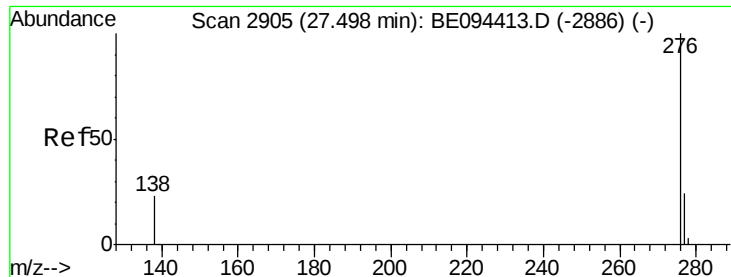


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(g,h,i)perylene

Concen: 0.407 ng

RT: 27.46 min Scan# 2898

Delta R.T. -0.04 min

Lab File: BE094455.D

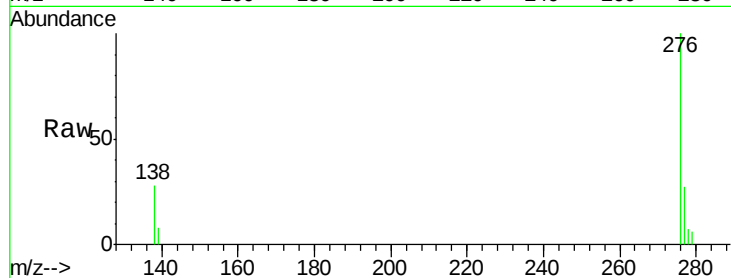
Acq: 19 Oct 2017 19:40

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC



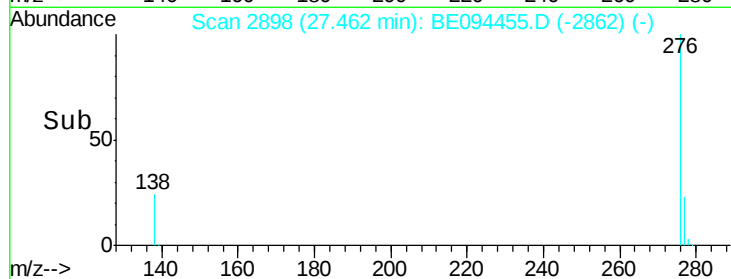
Tgt Ion: 276 Resp: 10897

Ion Ratio Lower Upper

276 100

277 27.4 52.0 78.0#

138 28.1 44.0 66.0#



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

