

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE101917\
 Data File : BE094464.D
 Acq On : 20 Oct 2017 2:23
 Operator : SJ/JU
 Sample : I5819-09
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 3910-SPP3

Quant Time: Oct 20 12:44:56 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	7.90	152	1424	0.40	ng	-0.02
7) Naphthalene-d8	10.69	136	7716	0.40	ng	-0.02
13) Acenaphthene-d10	14.51	164	4558	0.40	ng	-0.01
19) Phenanthrene-d10	17.24	188	13004	0.40	ng	-0.03
27) Chrysene-d12	21.42	240	10540	0.40	ng	-0.01
34) Perylene-d12	23.94	264	9897	0.40	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.52	112	1003	0.21	ng	0.00
5) Phenol-d6	7.14	99	990	0.13	ng	0.00
8) Nitrobenzene-d5	9.06	82	3040	0.45	ng	-0.02
11) 2-Methylnaphthalene-d10	12.28	152	5476	0.46	ng	-0.01
14) 2,4,6-Tribromophenol	16.03	330	575	0.33	ng	0.00
15) 2-Fluorobiphenyl	13.13	172	7940	0.49	ng	-0.01
25) Fluoranthene-d10	19.27	212	56695	0.27	ng	-0.02
29) Terphenyl-d14	19.86	244	11444	0.54	ng	0.00

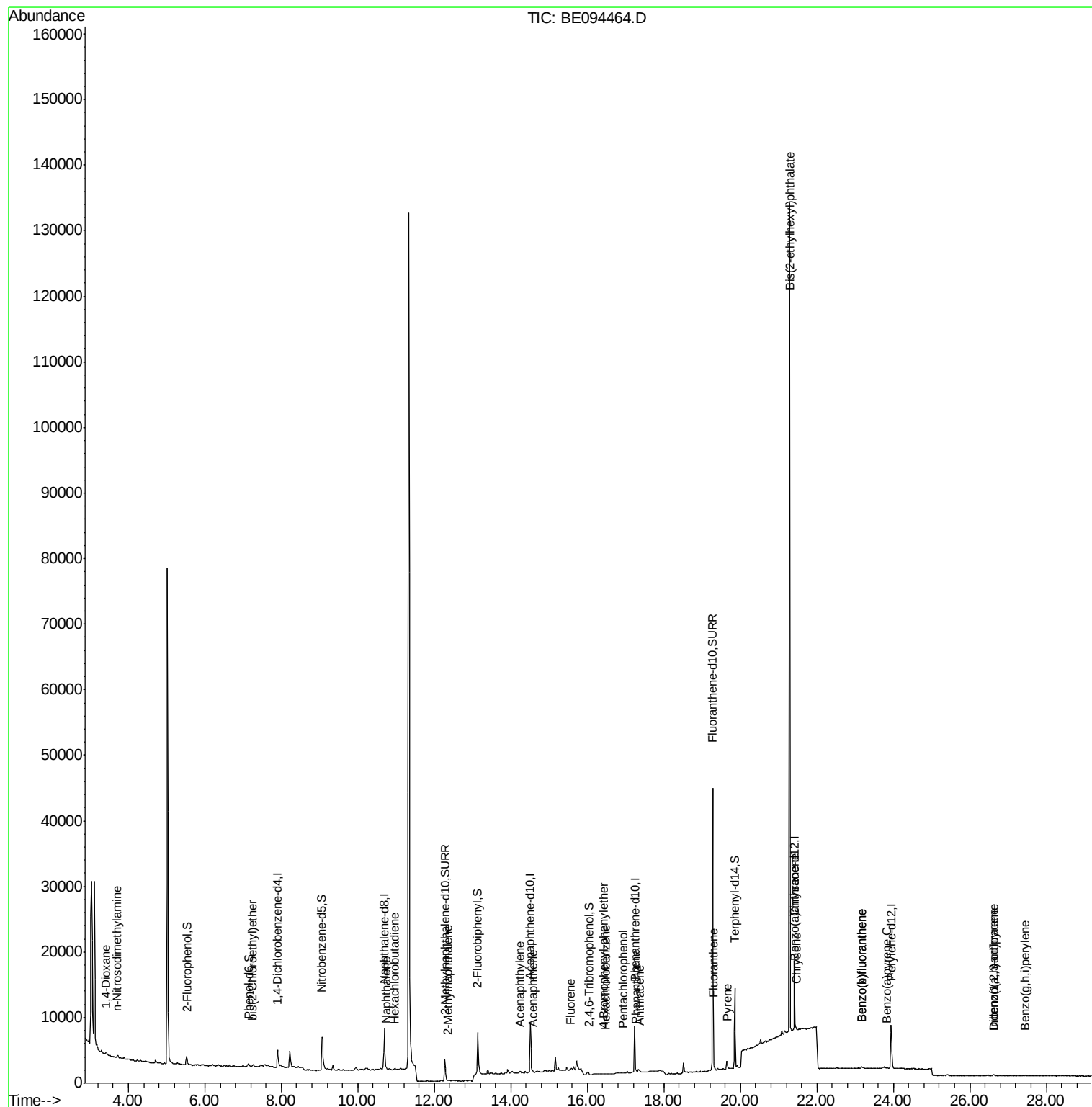
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.42	88	345	0.081	ng	# 67
3) n-Nitrosodimethylamine	3.71	42	156	0.063	ng	# 2
6) bis(2-Chloroethyl)ether	7.25	93	642	0.116	ng	# 1
9) Naphthalene	10.74	128	371	0.004	ng	# 66
10) Hexachlorobutadiene	10.96	225	5	0.001	ng	# 17
12) 2-Methylnaphthalene	12.35	142	31	0.002	ng	# 39
16) Acenaphthylene	14.24	152	202	0.008	ng	# 59
17) Acenaphthene	14.57	154	36	0.002	ng	# 64
18) Fluorene	15.56	166	80	0.004	ng	# 43
20) 4-Bromophenyl-phenylether	16.42	248	12	0.002	ng	# 1
21) Hexachlorobenzene	16.49	284	18	0.028	ng	# 38
22) Pentachlorophenol	16.94	266	72	0.209	ng	94
23) Phenanthrene	17.27	178	434	0.008	ng	# 83
24) Anthracene	17.37	178	399	0.010	ng	# 63
26) Fluoranthene	19.30	202	566	0.009	ng	# 79
28) Pyrene	19.67	202	531	0.013	ng	# 76
30) Benzo(a)anthracene	21.40	228	317	0.009	ng	# 58
31) Chrysene	21.46	228	286	0.008	ng	# 51
32) Bis(2-ethylhexyl)phthalate	21.29	149	148588	1.415	ng	100
33) Indeno(1,2,3-cd)pyrene	26.64	276	184	0.005	ng	# 64
35) Benzo(b)fluoranthene	23.17	252	446	0.013	ng	# 40
36) Benzo(k)fluoranthene	23.17	252	446	0.013	ng	# 40
37) Benzo(a)pyrene	23.83	252	204	0.006	ng	# 34
38) Dibenzo(a,h)anthracene	26.63	278	56	0.002	ng	# 1
39) Benzo(g,h,i)perylene	27.46	276	102	0.004	ng	# 45

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

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.90 min Scan# 401

Delta R.T. -0.02 min

Lab File: BE094464.D

Acq: 20 Oct 2017 2:23

Instrument :

BNA_E

ClientSampled :

3910-SPP3

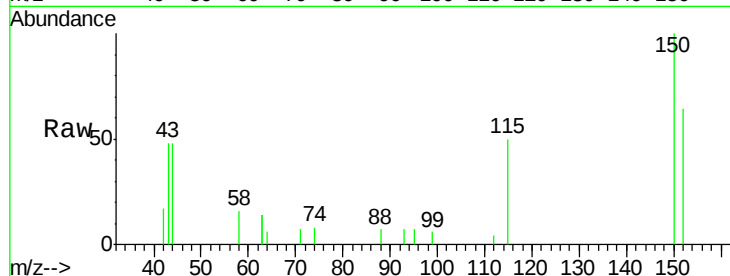
Tgt Ion:152 Resp: 1424

Ion Ratio Lower Upper

152 100

150 157.2 117.2 175.8

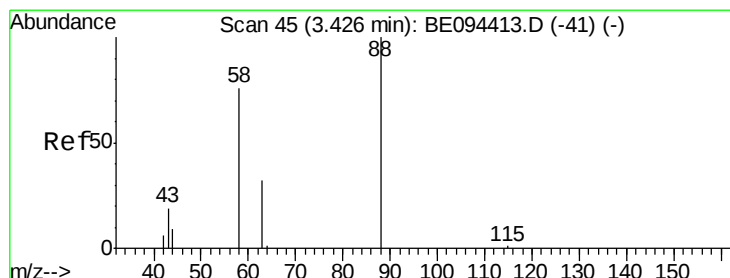
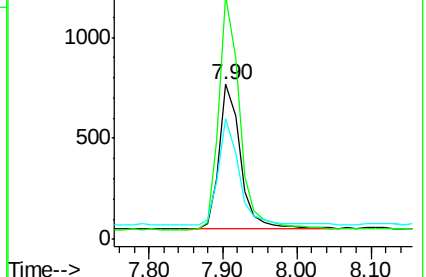
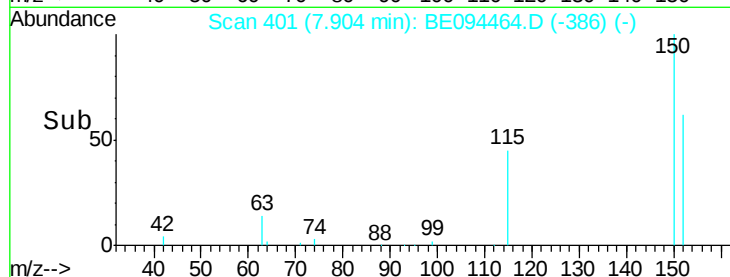
115 78.4 57.0 85.6



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: 0.081 ng

RT: 3.42 min Scan# 45

Delta R.T. -0.00 min

Lab File: BE094464.D

Acq: 20 Oct 2017 2:23

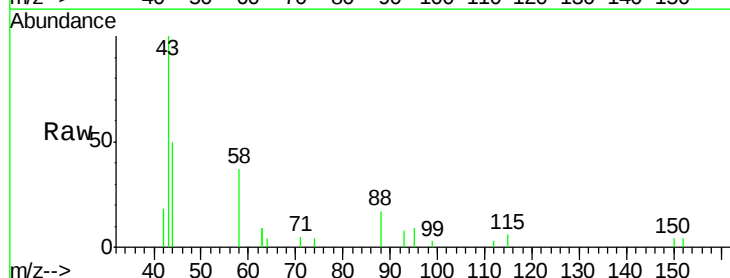
Tgt Ion: 88 Resp: 345

Ion Ratio Lower Upper

88 100

58 73.0 63.2 94.8

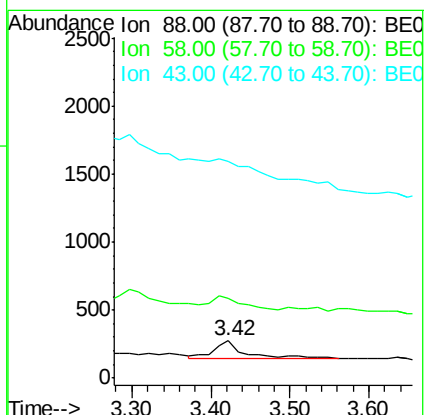
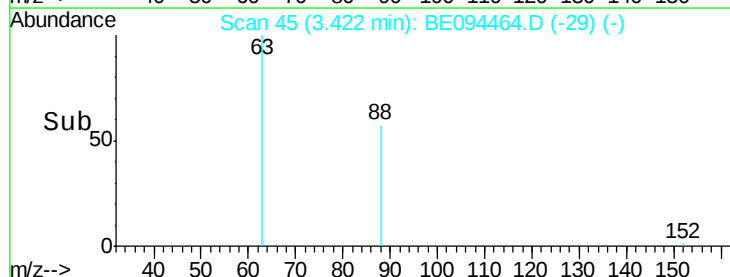
43 0.0 41.2 61.8#

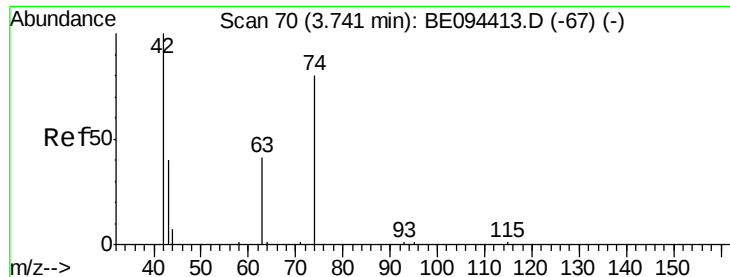


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.063 ng

RT: 3.71 min Scan# 68

Delta R.T. -0.03 min

Lab File: BE094464.D

Acq: 20 Oct 2017 2:23

Instrument :

BNA_E

ClientSampleId :

3910-SPP3

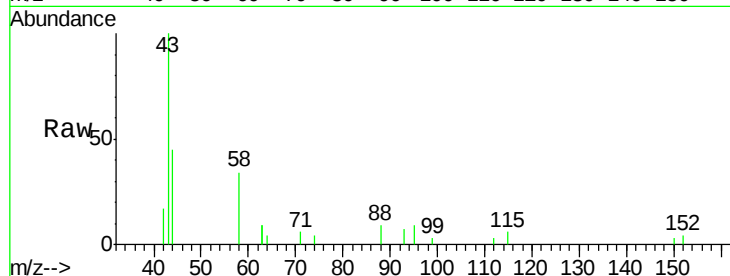
Tgt Ion: 42 Resp: 156

Ion Ratio Lower Upper

42 100

74 3.8 100.3 150.5#

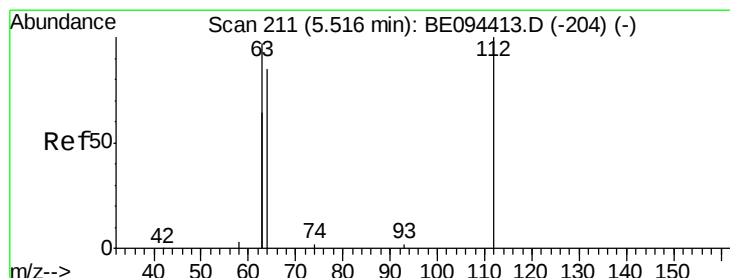
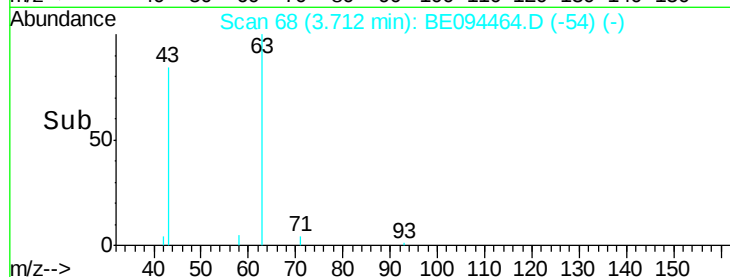
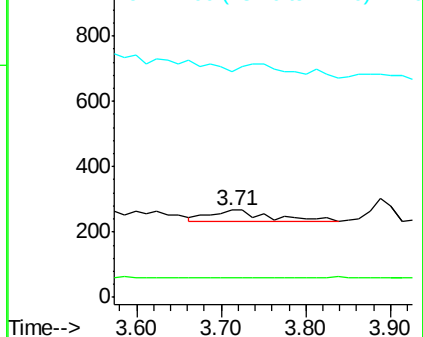
44 0.0 17.0 25.4#



Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0



#4

2-Fluorophenol

Concen: 0.208 ng

RT: 5.52 min Scan# 212

Delta R.T. 0.01 min

Lab File: BE094464.D

Acq: 20 Oct 2017 2:23

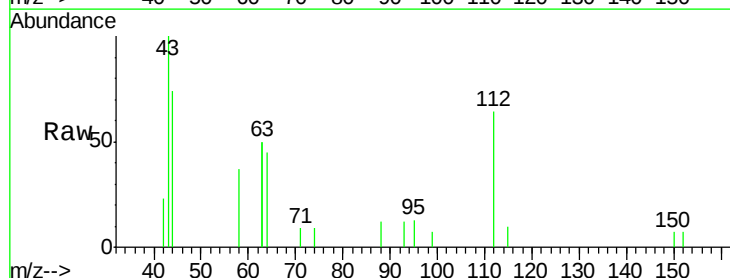
Tgt Ion: 112 Resp: 1003

Ion Ratio Lower Upper

112 100

64 75.2 60.1 90.1

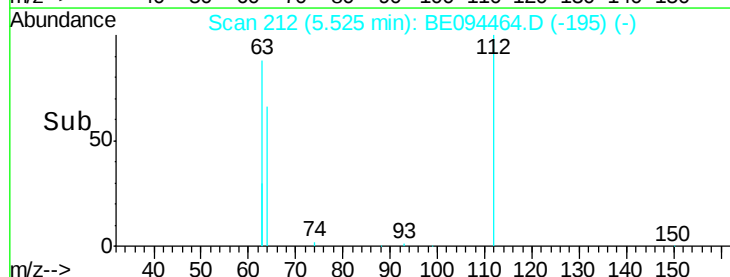
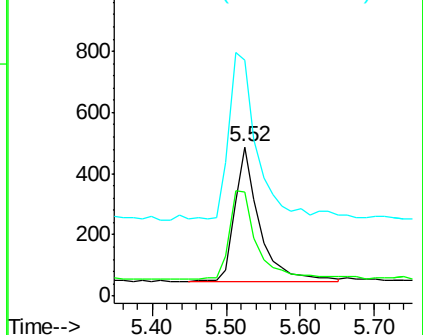
63 138.6 116.8 175.2

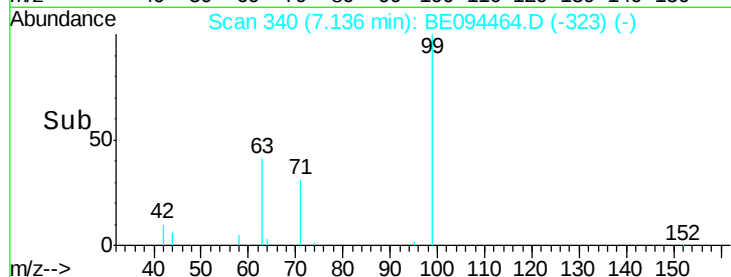
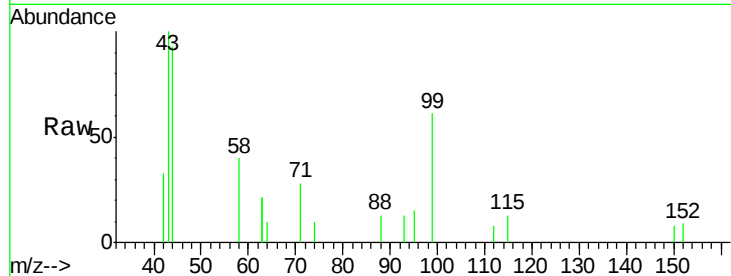
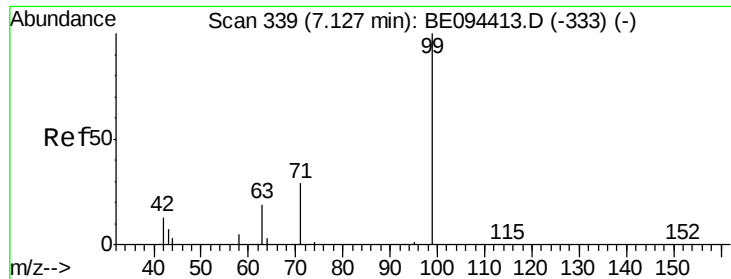


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.132 ng

RT: 7.14 min Scan# 340

Delta R.T. 0.01 min

Lab File: BE094464.D

Acq: 20 Oct 2017 2:23

Instrument :

BNA_E

ClientSampleId :

3910-SPP3

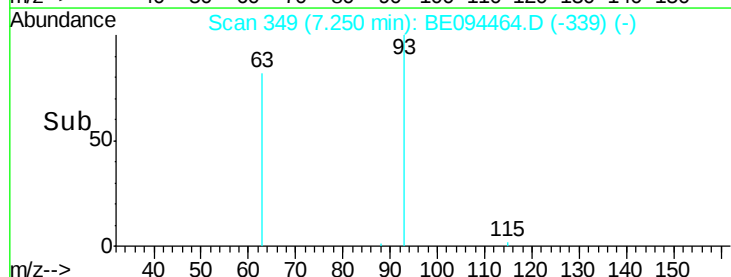
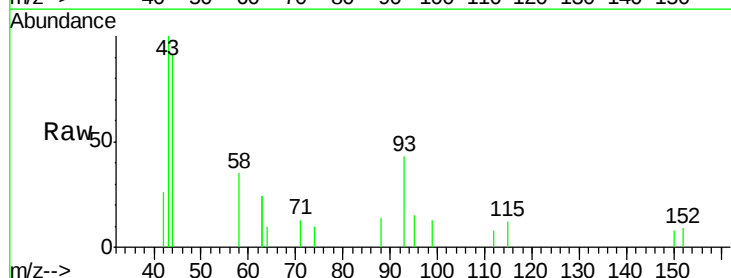
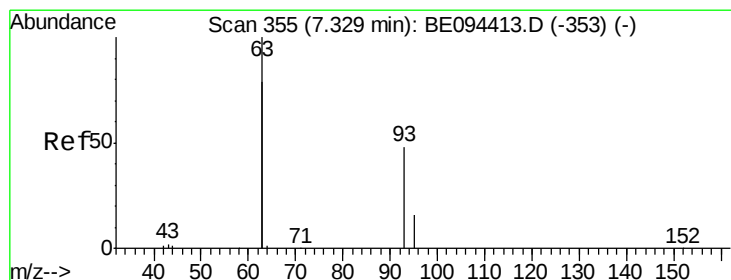
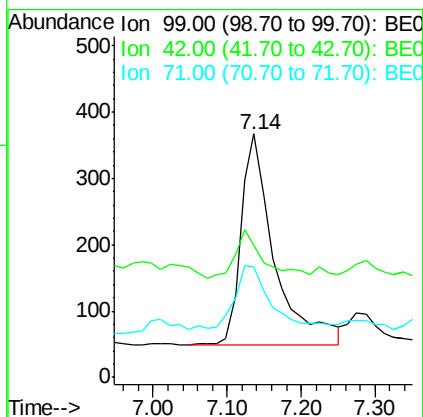
Tgt Ion: 99 Resp: 990

Ion Ratio Lower Upper

99 100

42 19.8 20.2 30.2#

71 32.0 28.4 42.6



#6

bis(2-Chloroethyl)ether

Concen: 0.116 ng

RT: 7.25 min Scan# 349

Delta R.T. -0.08 min

Lab File: BE094464.D

Acq: 20 Oct 2017 2:23

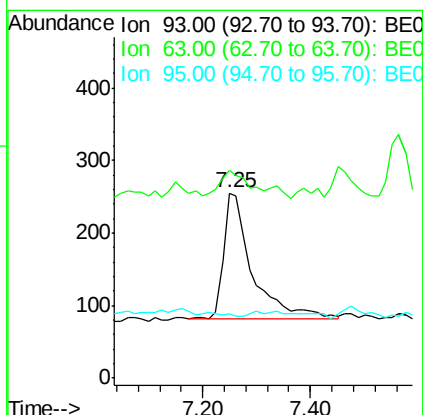
Tgt Ion: 93 Resp: 642

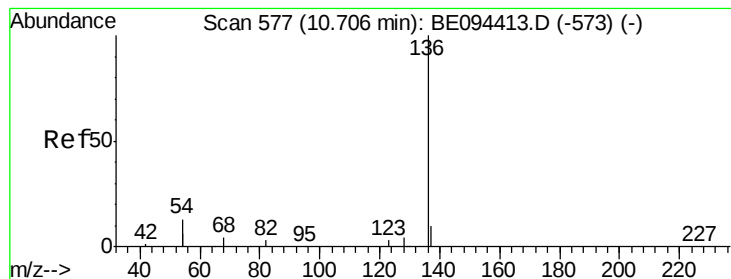
Ion Ratio Lower Upper

93 100

63 17.4 275.3 412.9#

95 0.0 25.2 37.8#





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.69 min Scan# 576

Delta R.T. -0.02 min

Lab File: BE094464.D

Acq: 20 Oct 2017 2:23

Instrument :

BNA_E

ClientSampleId :

3910-SPP3

Tgt Ion: 136 Resp: 7716

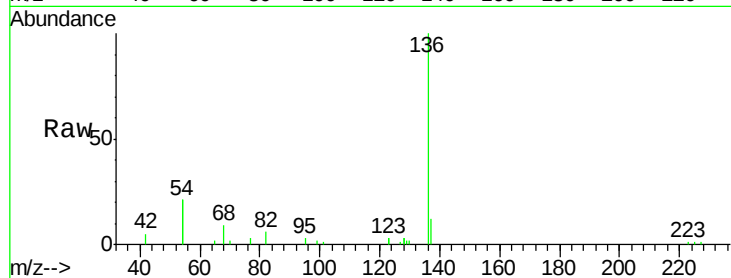
Ion Ratio Lower Upper

136 100

137 12.0 9.5 14.3

54 41.6 29.1 43.7

68 8.7 6.2 9.2

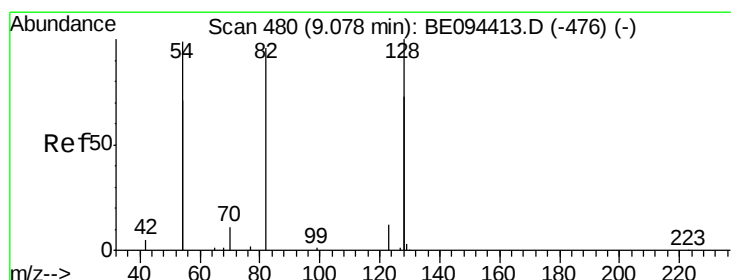
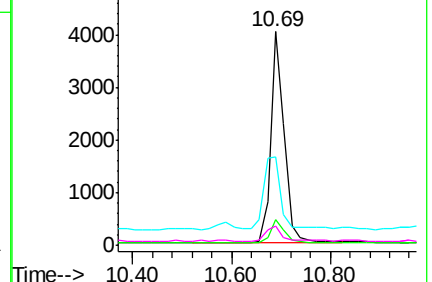
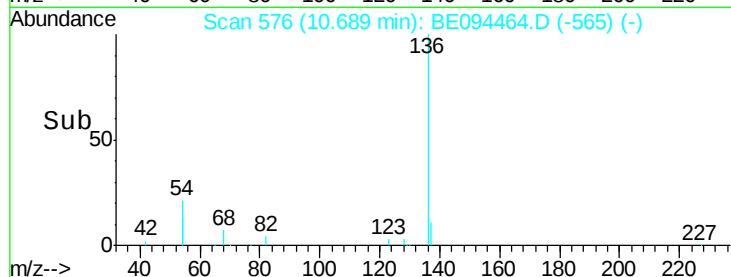


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.453 ng

RT: 9.06 min Scan# 479

Delta R.T. -0.02 min

Lab File: BE094464.D

Acq: 20 Oct 2017 2:23

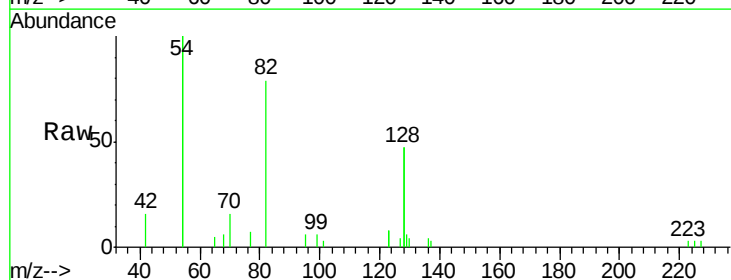
Tgt Ion: 82 Resp: 3040

Ion Ratio Lower Upper

82 100

128 118.1 150.0 225.0#

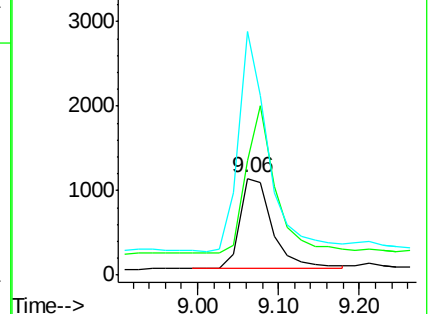
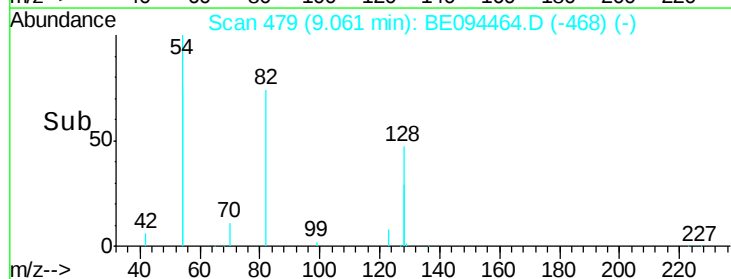
54 252.1 154.2 231.4#

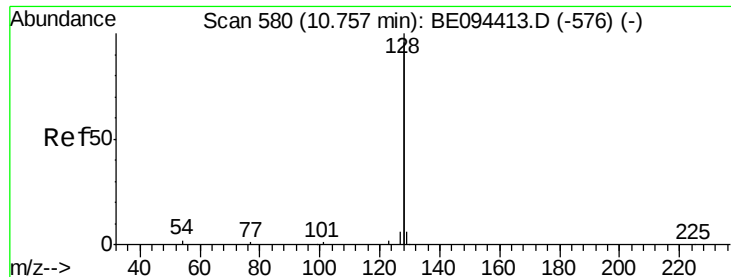


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.004 ng

RT: 10.74 min Scan# 579

Delta R.T. -0.02 min

Lab File: BE094464.D

Acq: 20 Oct 2017 2:23

Instrument :

BNA_E

ClientSampleId :

3910-SPP3

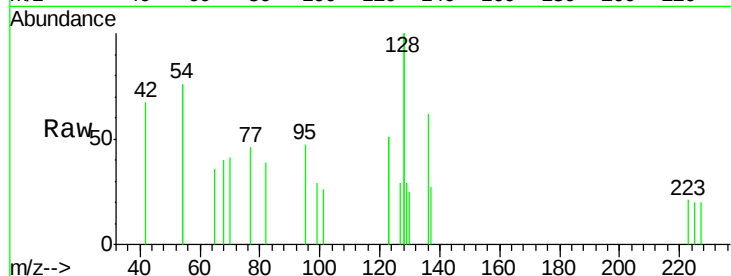
Tgt Ion:128 Resp: 371

Ion Ratio Lower Upper

128 100

129 14.6 2.6 3.8#

127 14.4 2.8 4.2#



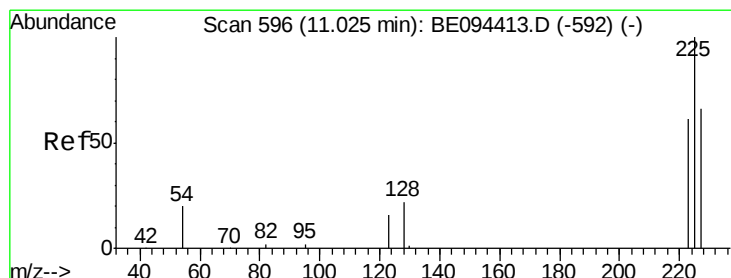
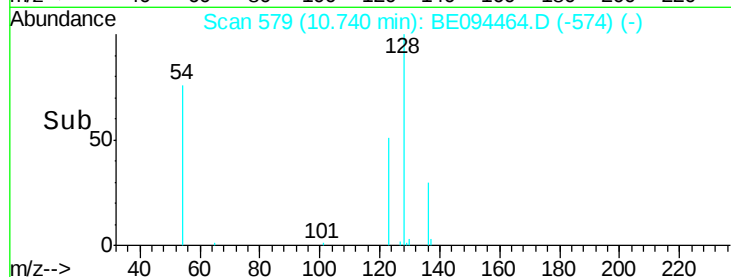
Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

10.74

Time-->



#10

Hexachlorobutadiene

Concen: 0.001 ng

RT: 10.96 min Scan# 592

Delta R.T. -0.07 min

Lab File: BE094464.D

Acq: 20 Oct 2017 2:23

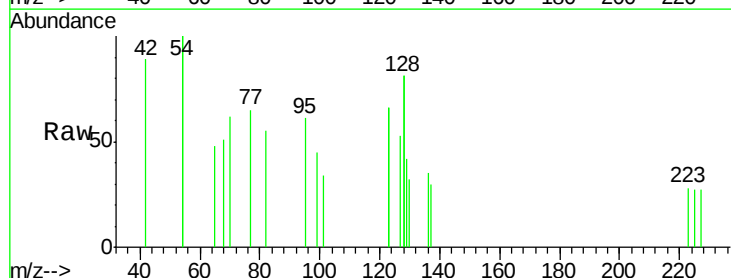
Tgt Ion:225 Resp: 5

Ion Ratio Lower Upper

225 100

223 0.0 53.0 79.6#

227 0.0 51.4 77.2#



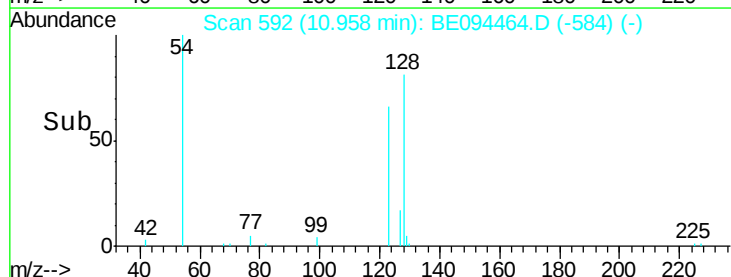
Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

10.96

Time-->





#11

2-Methylnaphthalene-d10

Concen: 0.460 ng

RT: 12.28 min Scan# 821

Delta R.T. -0.01 min

Lab File: BE094464.D

Acq: 20 Oct 2017 2:23

Instrument :

BNA_E

ClientSampleId :

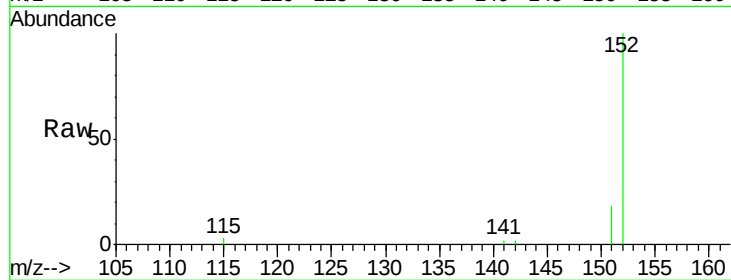
3910-SPP3

Tgt Ion:152 Resp: 5476

Ion Ratio Lower Upper

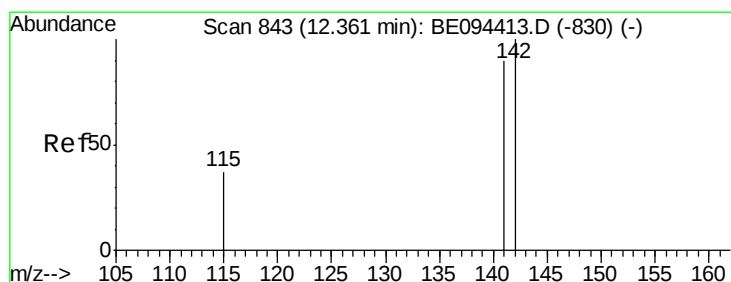
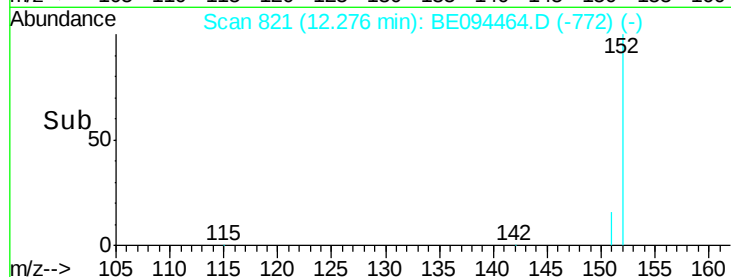
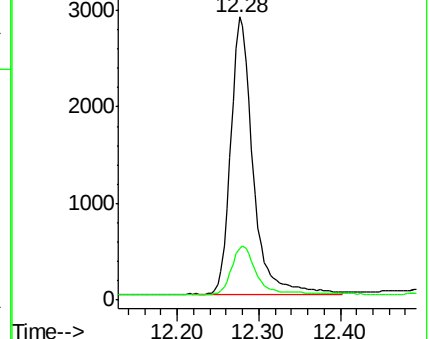
152 100

151 19.0 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.002 ng

RT: 12.35 min Scan# 841

Delta R.T. -0.01 min

Lab File: BE094464.D

Acq: 20 Oct 2017 2:23

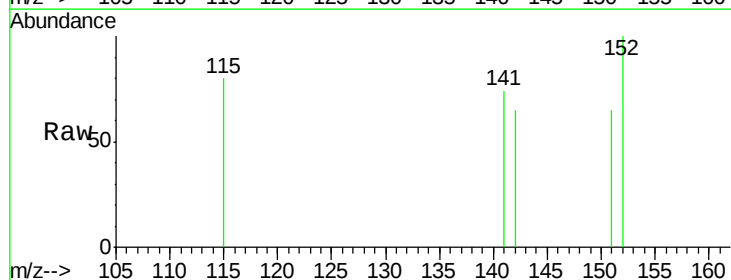
Tgt Ion:142 Resp: 31

Ion Ratio Lower Upper

142 100

141 114.1 70.4 105.6#

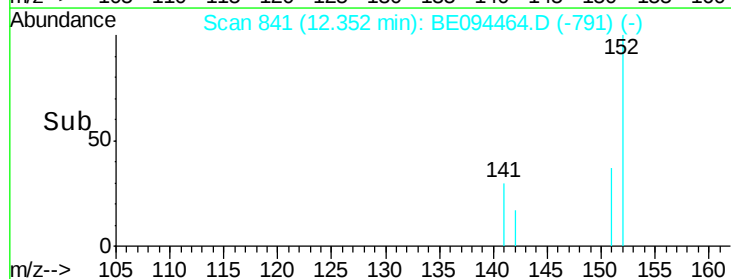
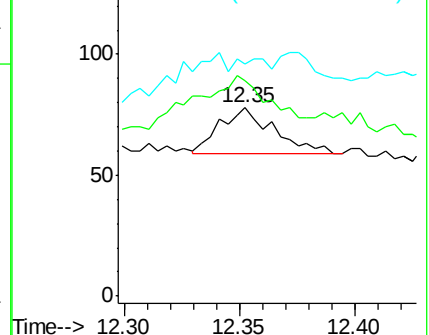
115 123.1 31.7 47.5#

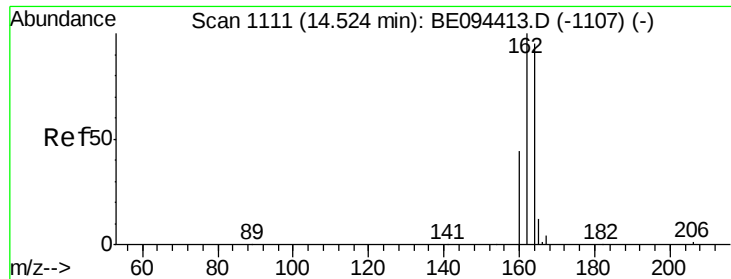


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

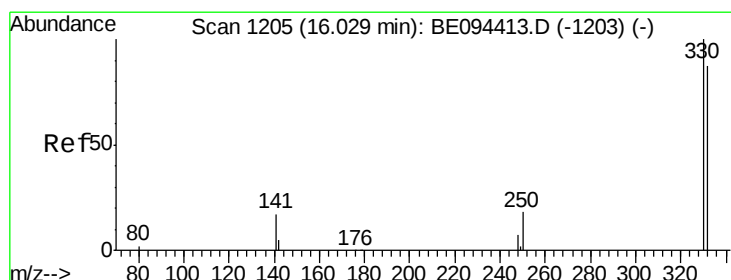
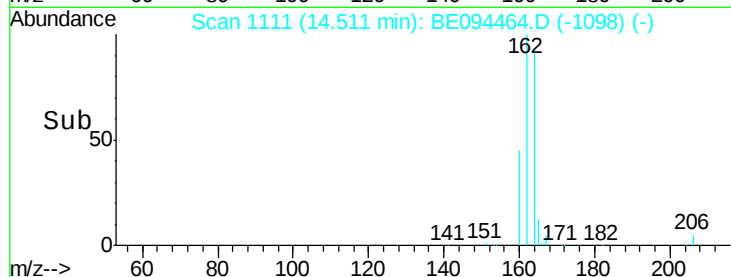
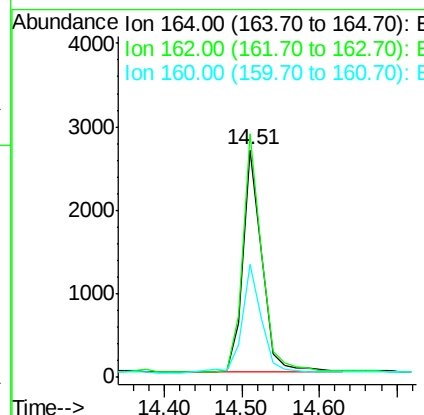
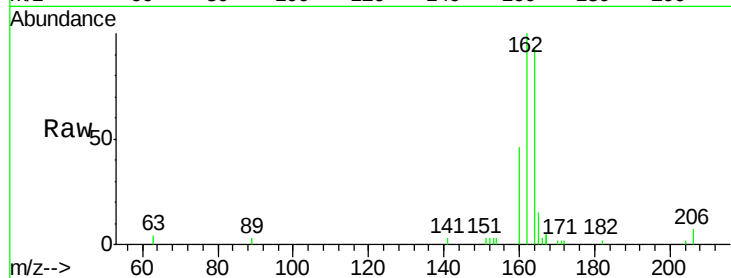




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.51 min Scan# 1111
Delta R.T. -0.01 min
Lab File: BE094464.D
Acq: 20 Oct 2017 2:23

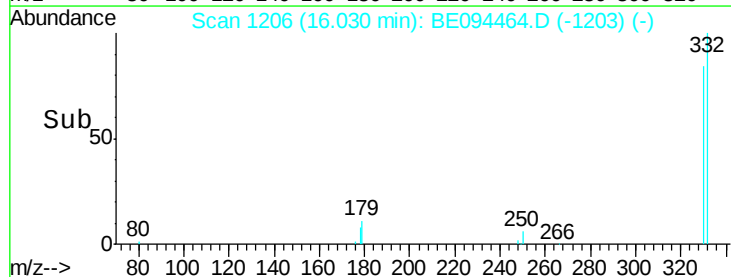
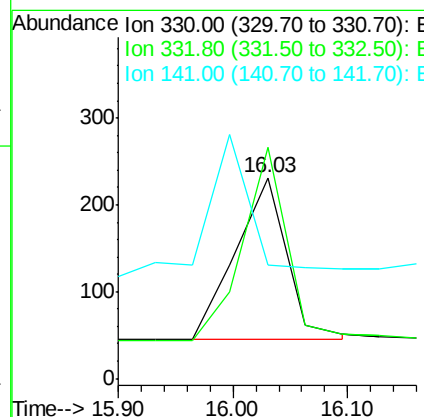
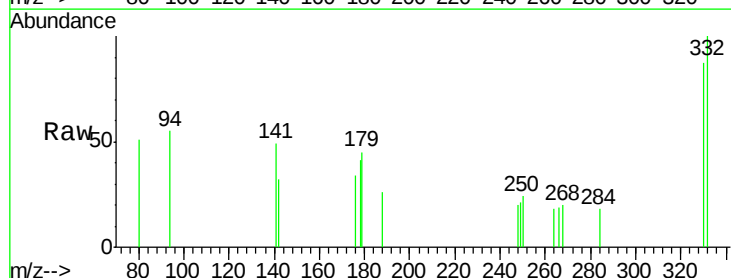
Instrument :
BNA_E
ClientSampleId :
3910-SPP3

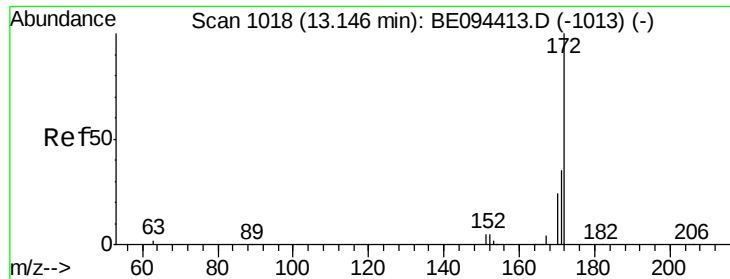
Tgt Ion:164 Resp: 4558
Ion Ratio Lower Upper
164 100
162 107.2 83.1 124.7
160 49.5 37.1 55.7



#14
2,4,6-Tribromophenol
Concen: 0.331 ng
RT: 16.03 min Scan# 1206
Delta R.T. 0.00 min
Lab File: BE094464.D
Acq: 20 Oct 2017 2:23

Tgt Ion:330 Resp: 575
Ion Ratio Lower Upper
330 100
332 102.8 152.7 229.1#
141 0.0 33.7 50.5#

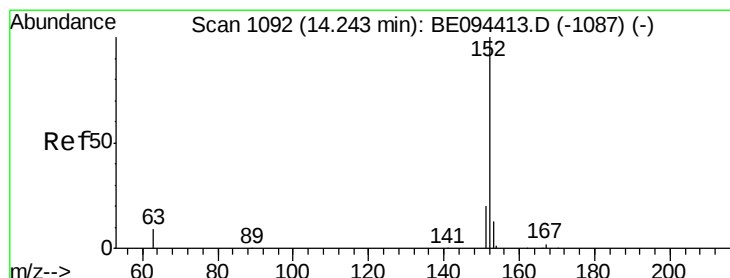
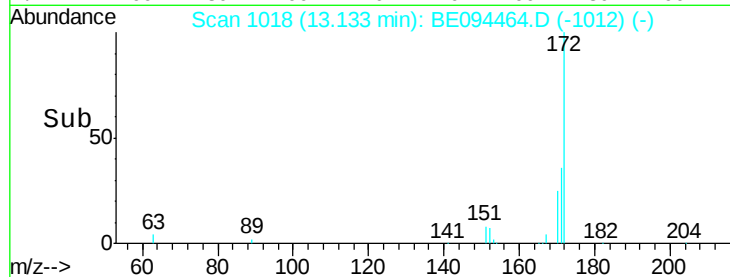
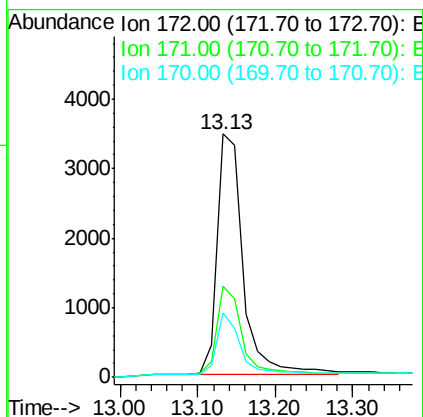
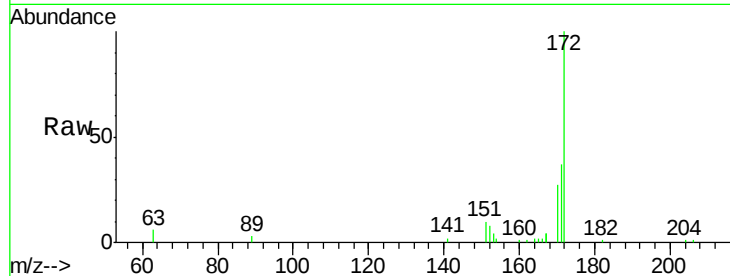




#15
2-Fluorobiphenyl
Concen: 0.488 ng
RT: 13.13 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BE094464.D
Acq: 20 Oct 2017 2:23

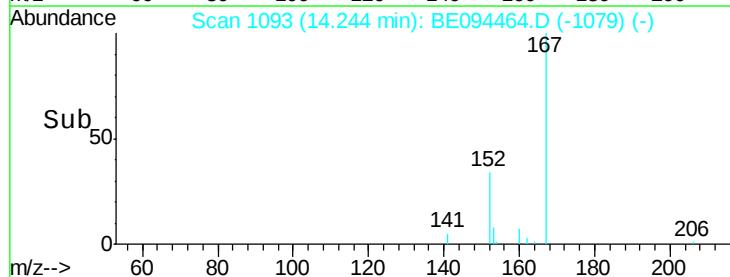
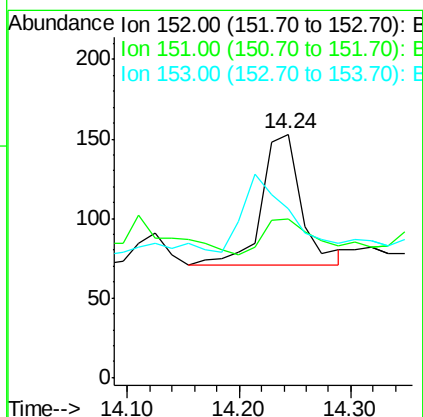
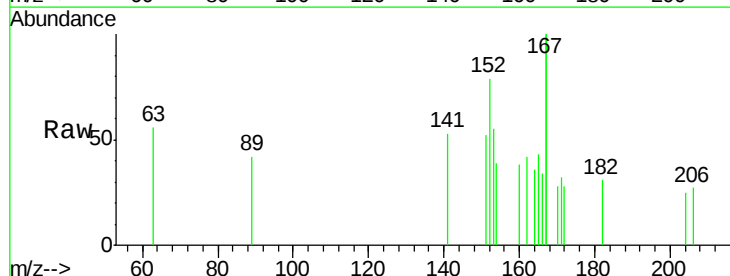
Instrument :
BNA_E
ClientSampleId :
3910-SPP3

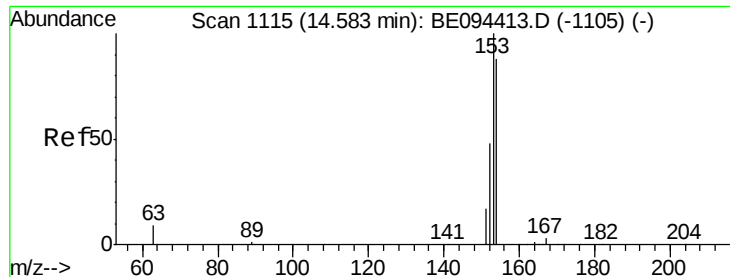
Tgt Ion:172 Resp: 7940
Ion Ratio Lower Upper
172 100
171 37.3 29.9 44.9
170 26.5 21.8 32.8



#16
Acenaphthylene
Concen: 0.008 ng
RT: 14.24 min Scan# 1093
Delta R.T. 0.00 min
Lab File: BE094464.D
Acq: 20 Oct 2017 2:23

Tgt Ion:152 Resp: 202
Ion Ratio Lower Upper
152 100
151 41.1 15.7 23.5#
153 0.0 10.5 15.7#

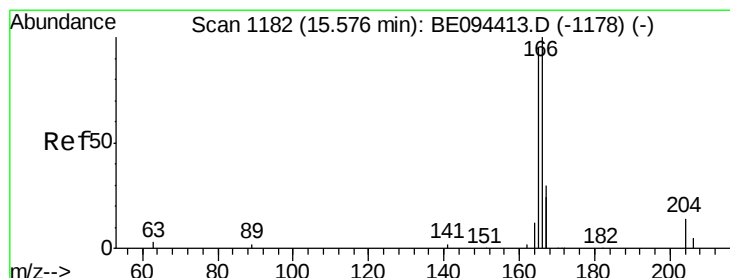
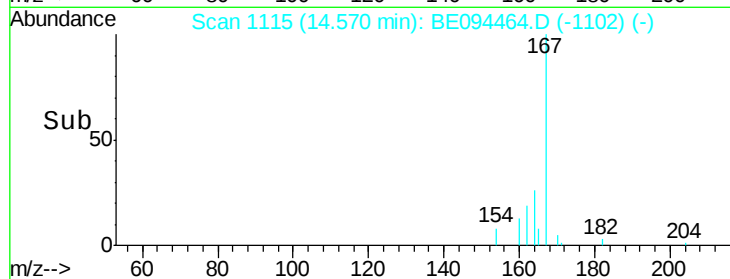
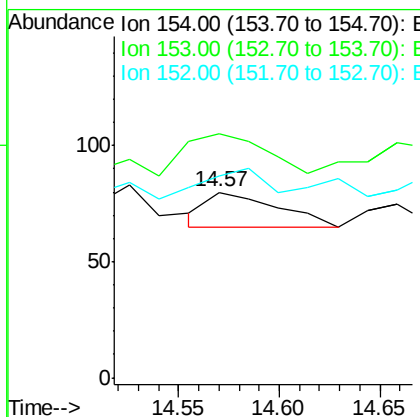
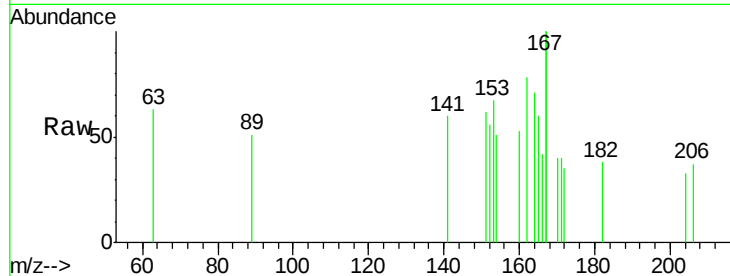




#17
Acenaphthene
Concen: 0.002 ng
RT: 14.57 min Scan# 1115
Delta R.T. -0.01 min
Lab File: BE094464.D
Acq: 20 Oct 2017 2:23

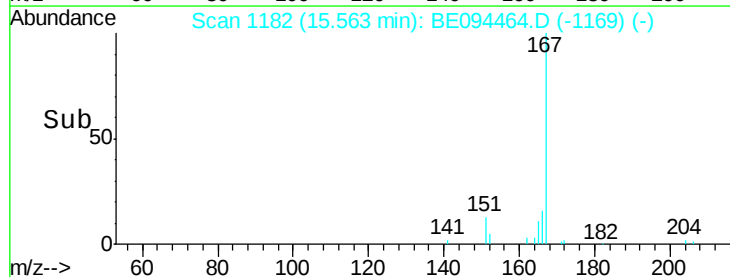
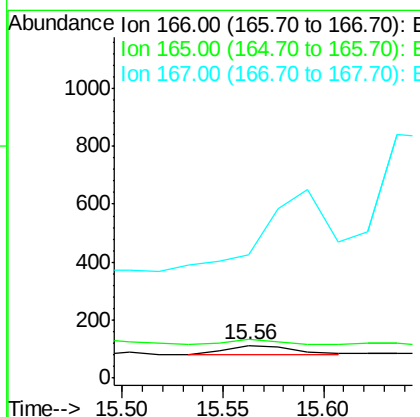
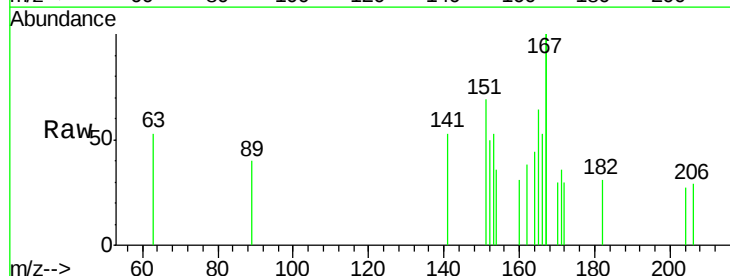
Instrument :
BNA_E
ClientSampleId :
3910-SPP3

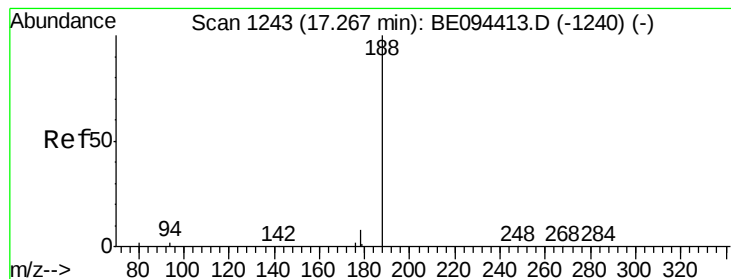
Tgt Ion:154 Resp: 36
Ion Ratio Lower Upper
154 100
153 141.7 89.2 133.8#
152 88.9 42.0 63.0#



#18
Fluorene
Concen: 0.004 ng
RT: 15.56 min Scan# 1182
Delta R.T. -0.01 min
Lab File: BE094464.D
Acq: 20 Oct 2017 2:23

Tgt Ion:166 Resp: 80
Ion Ratio Lower Upper
166 100
165 51.2 77.8 116.6#
167 0.0 42.4 63.6#





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.24 min Scan# 1243

Delta R.T. -0.03 min

Lab File: BE094464.D

Acq: 20 Oct 2017 2:23

Instrument :

BNA_E

ClientSampleId :

3910-SPP3

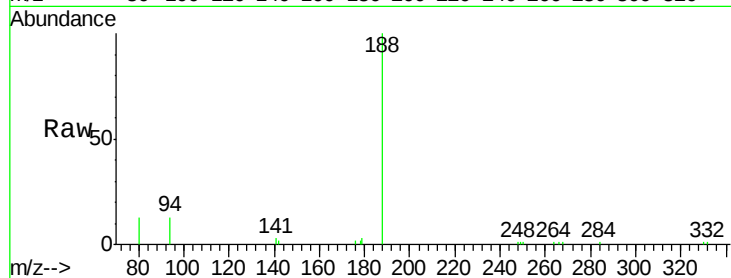
Tgt Ion:188 Resp: 13004

Ion Ratio Lower Upper

188 100

94 13.4 3.9 5.9#

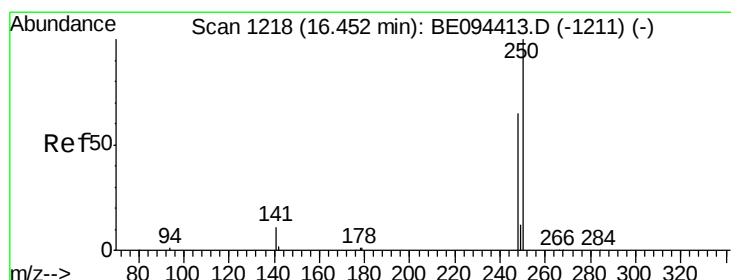
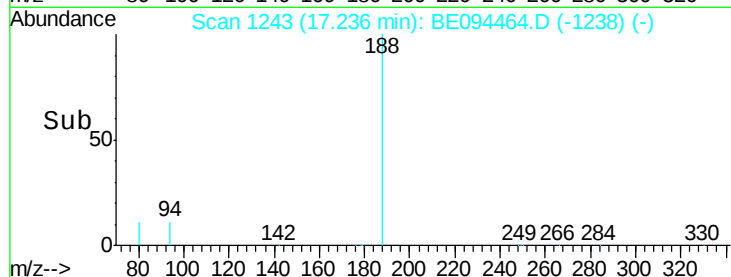
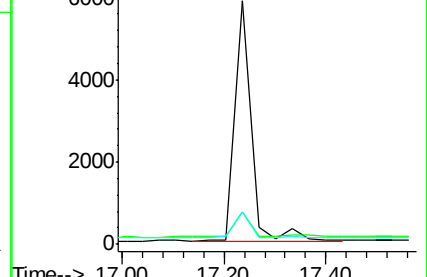
80 13.5 3.6 5.4#



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: 0.002 ng

RT: 16.42 min Scan# 1218

Delta R.T. -0.03 min

Lab File: BE094464.D

Acq: 20 Oct 2017 2:23

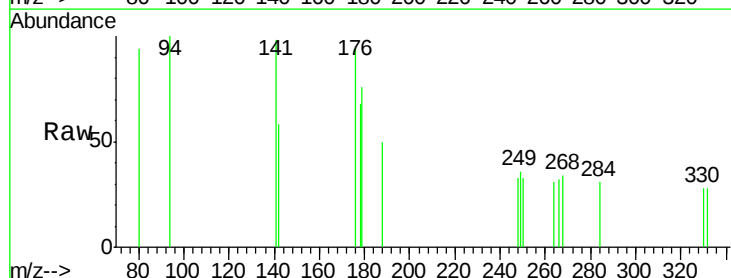
Tgt Ion:248 Resp: 12

Ion Ratio Lower Upper

248 100

250 101.9 62.7 94.1#

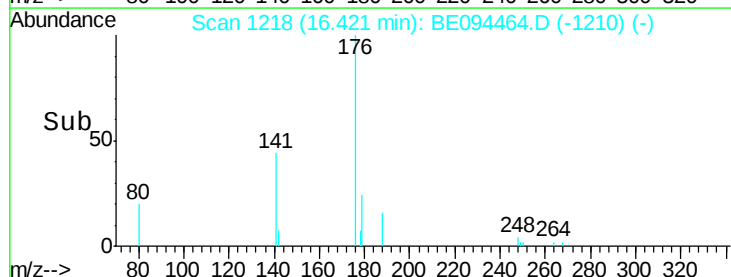
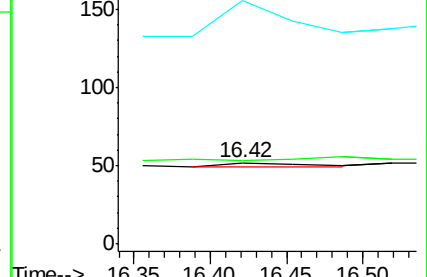
141 300.0 48.2 72.2#

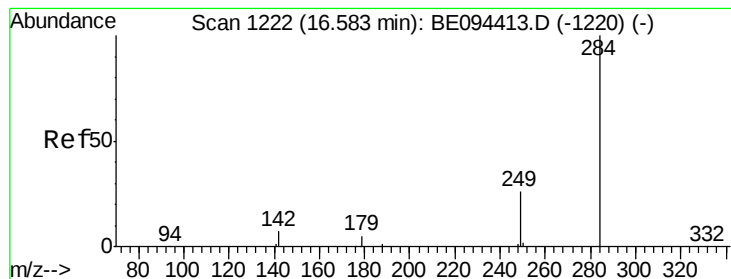


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.028 ng

RT: 16.49 min Scan# 1220

Delta R.T. -0.10 min

Lab File: BE094464.D

Acq: 20 Oct 2017 2:23

Instrument :

BNA_E

ClientSampleId :

3910-SPP3

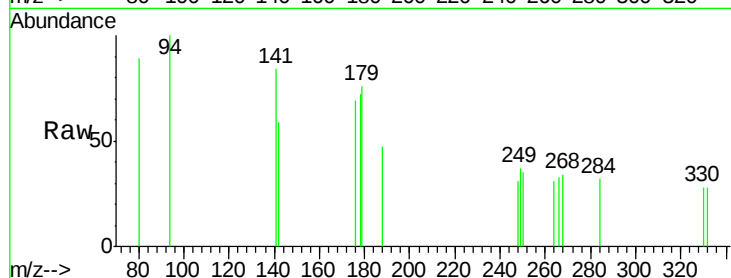
Tgt Ion:284 Resp: 18

Ion Ratio Lower Upper

284 100

142 0.0 22.1 33.1#

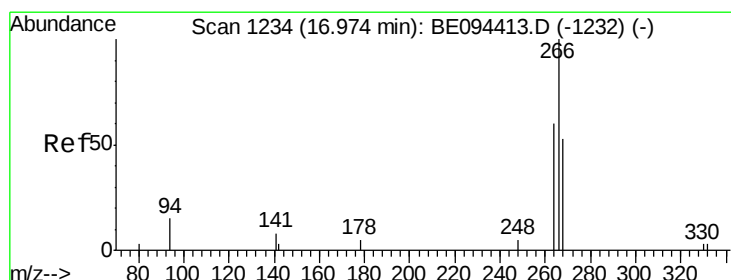
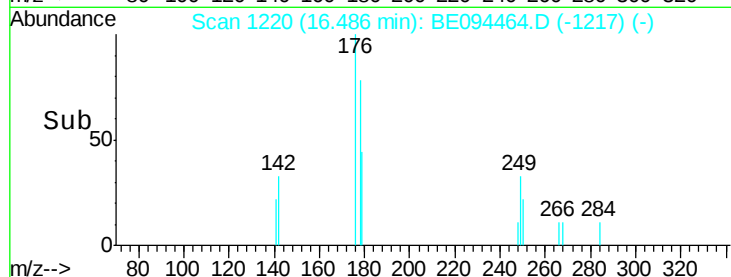
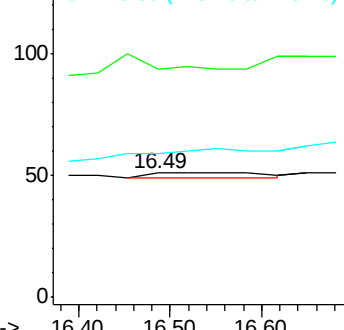
249 0.0 34.8 52.2#



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: 0.209 ng

RT: 16.94 min Scan# 1234

Delta R.T. -0.03 min

Lab File: BE094464.D

Acq: 20 Oct 2017 2:23

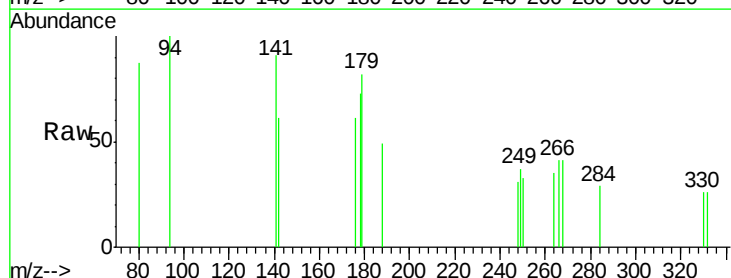
Tgt Ion:266 Resp: 72

Ion Ratio Lower Upper

266 100

264 84.7 72.5 108.7

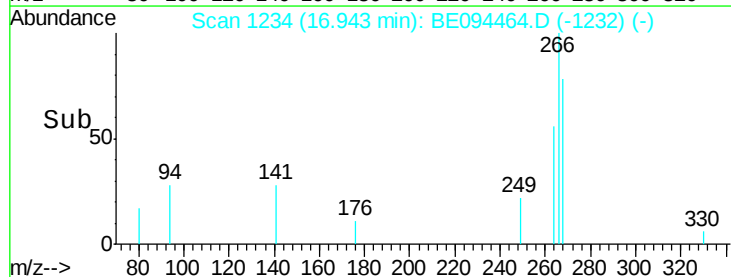
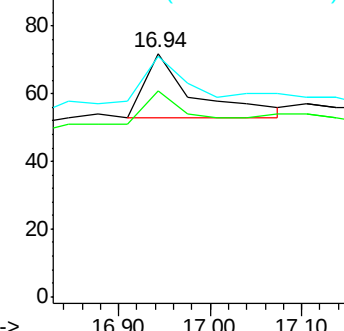
268 98.6 73.8 110.6

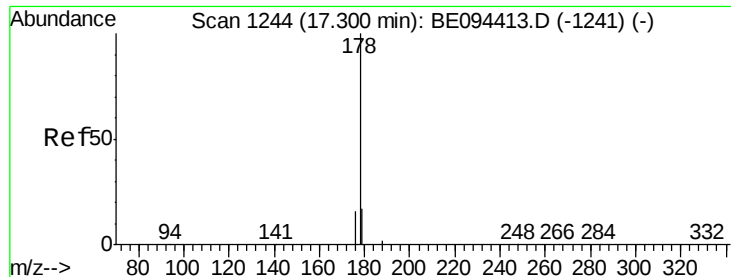


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.008 ng

RT: 17.27 min Scan# 1244

Delta R.T. -0.03 min

Lab File: BE094464.D

Acq: 20 Oct 2017 2:23

Instrument :

BNA_E

ClientSampleId :

3910-SPP3

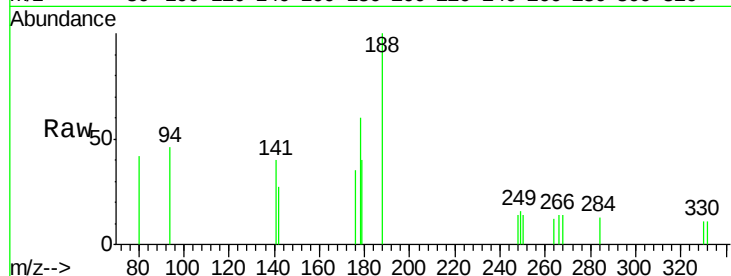
Tgt Ion:178 Resp: 434

Ion Ratio Lower Upper

178 100

176 20.3 15.1 22.7

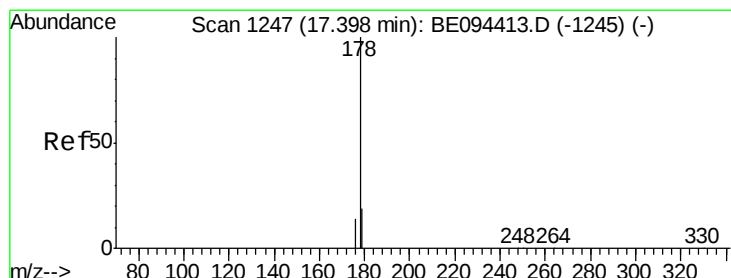
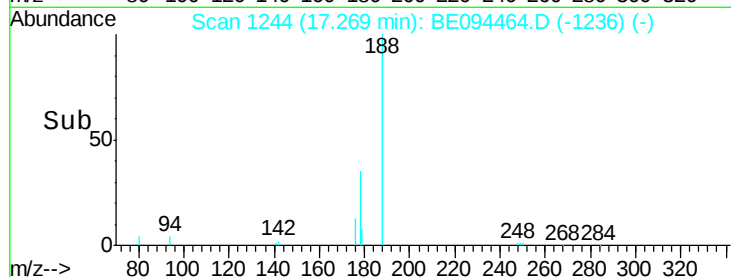
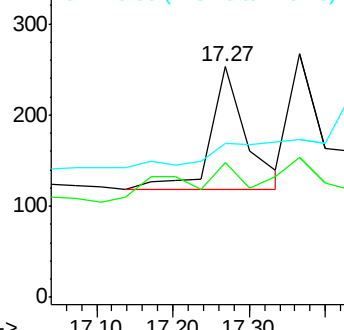
179 0.0 11.8 17.6#



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: 0.010 ng

RT: 17.37 min Scan# 1247

Delta R.T. -0.03 min

Lab File: BE094464.D

Acq: 20 Oct 2017 2:23

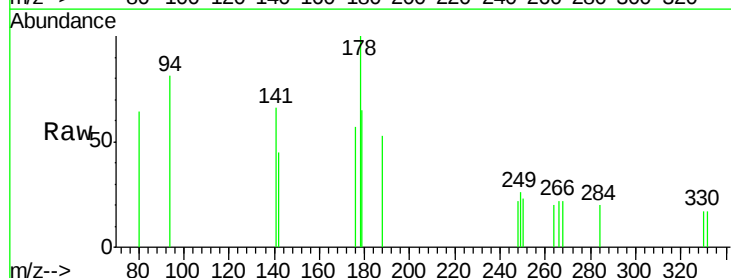
Tgt Ion:178 Resp: 399

Ion Ratio Lower Upper

178 100

176 31.3 12.8 19.2#

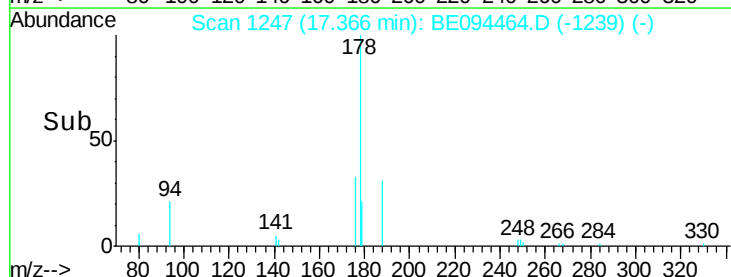
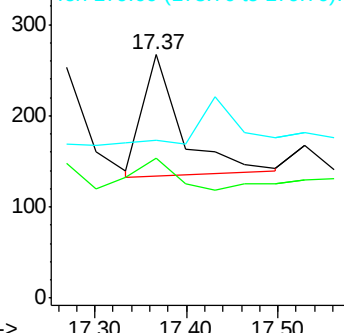
179 0.0 13.0 19.6#

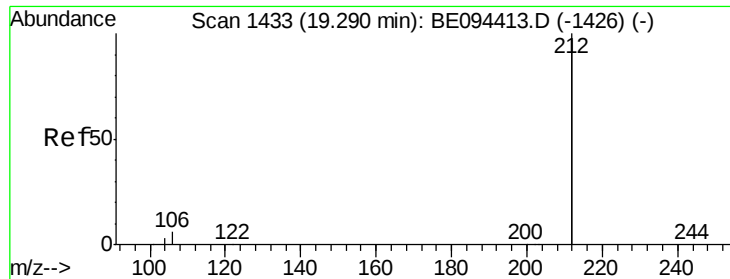


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

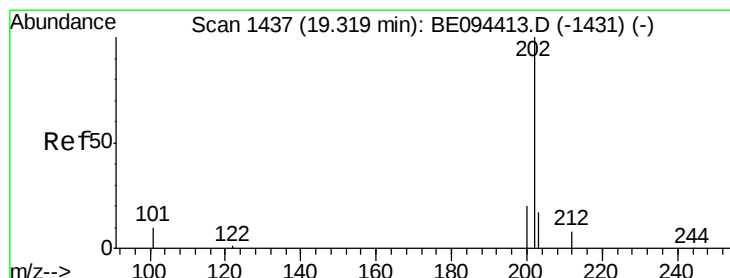
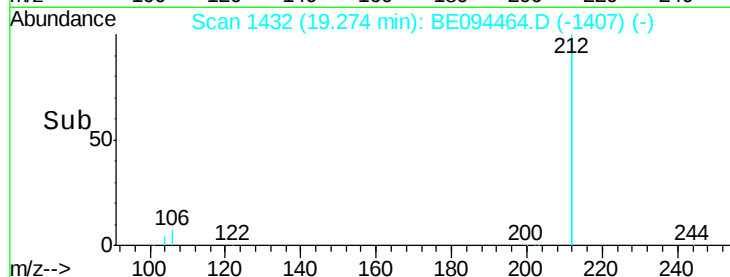
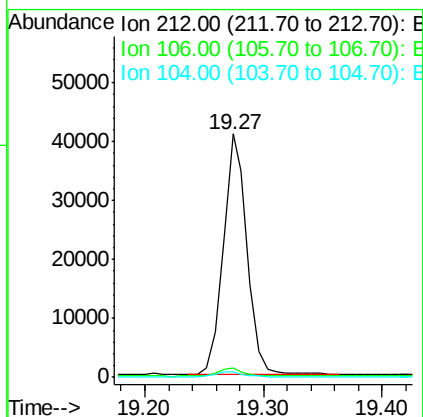
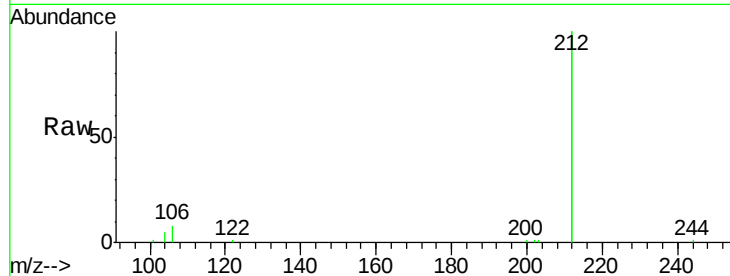




#25
 Fluoranthene-d10
 Concen: 0.271 ng
 RT: 19.27 min Scan# 1432
 Delta R.T. -0.02 min
 Lab File: BE094464.D
 Acq: 20 Oct 2017 2:23

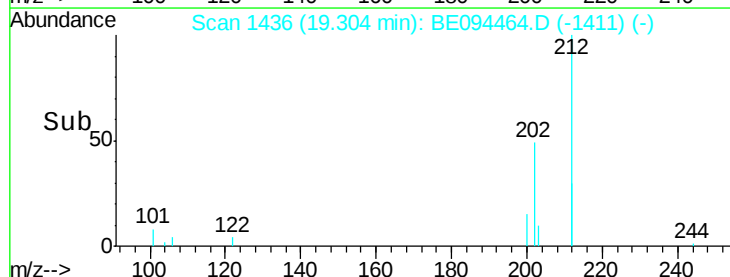
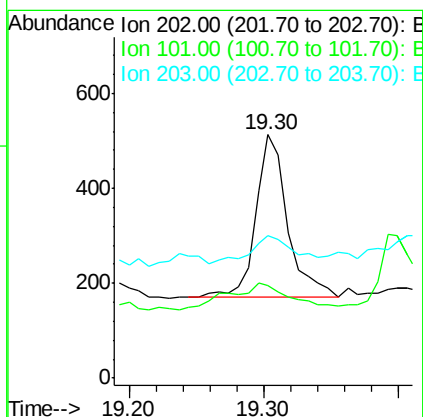
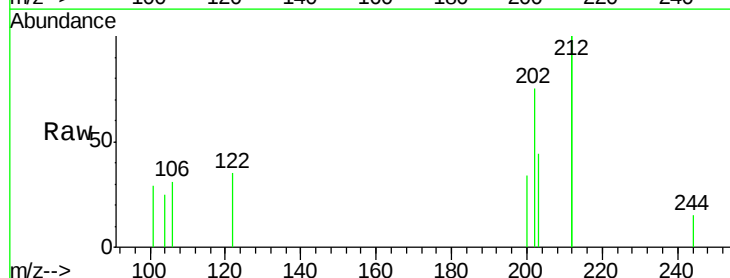
Instrument :
 BNA_E
 ClientSampled :
 3910-SPP3

Tgt Ion: 212 Resp: 56695
 Ion Ratio Lower Upper
 212 100
 106 3.6 2.8 4.2
 104 2.1 1.6 2.4



#26
 Fluoranthene
 Concen: 0.009 ng
 RT: 19.30 min Scan# 1436
 Delta R.T. -0.02 min
 Lab File: BE094464.D
 Acq: 20 Oct 2017 2:23

Tgt Ion: 202 Resp: 566
 Ion Ratio Lower Upper
 202 100
 101 30.9 9.8 14.8#
 203 18.2 13.7 20.5





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.42 min Scan# 1655

Delta R.T. -0.01 min

Lab File: BE094464.D

Acq: 20 Oct 2017 2:23

Instrument :

BNA_E

ClientSampleId :

3910-SPP3

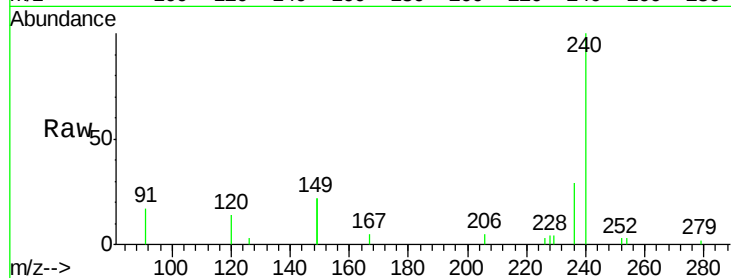
Tgt Ion:240 Resp: 10540

Ion Ratio Lower Upper

240 100

120 14.2 5.5 8.3#

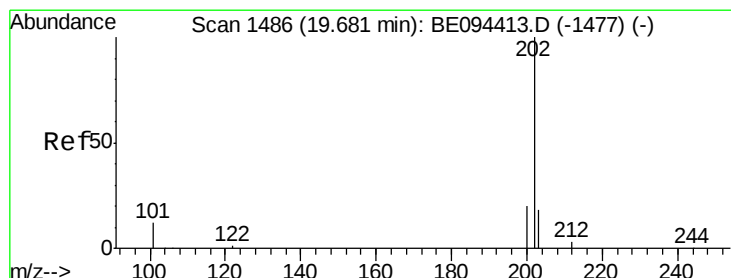
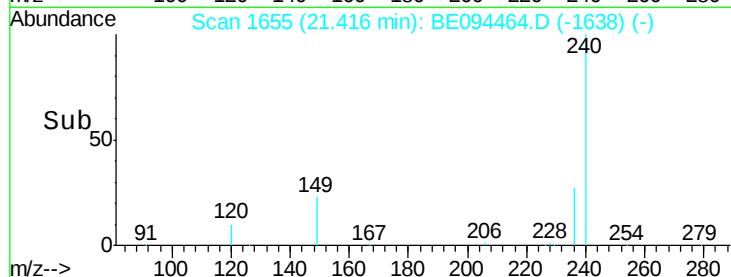
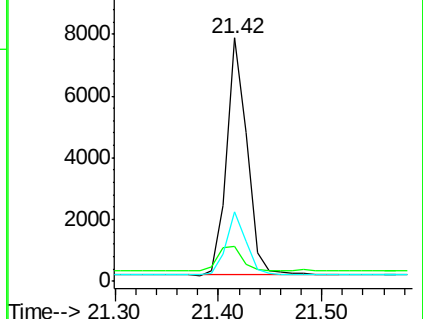
236 28.5 20.7 31.1



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: 0.013 ng

RT: 19.67 min Scan# 1485

Delta R.T. -0.02 min

Lab File: BE094464.D

Acq: 20 Oct 2017 2:23

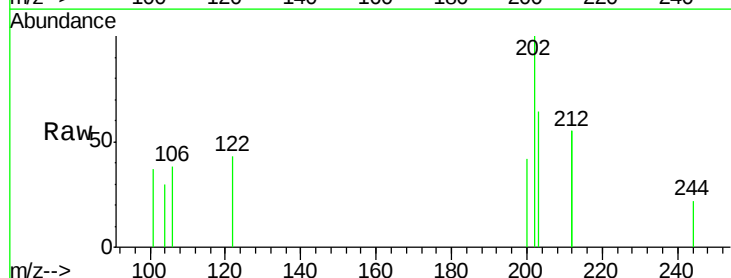
Tgt Ion:202 Resp: 531

Ion Ratio Lower Upper

202 100

200 23.5 16.6 25.0

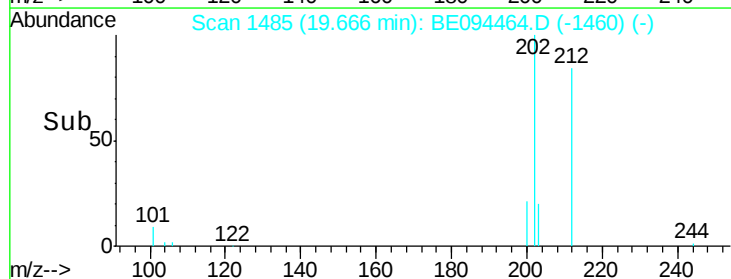
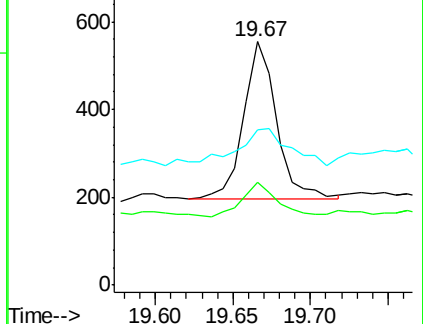
203 37.5 13.8 20.8#

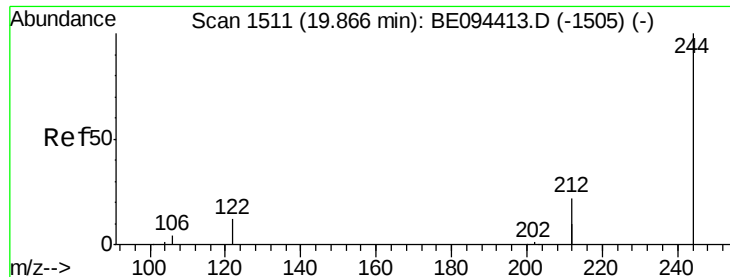


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

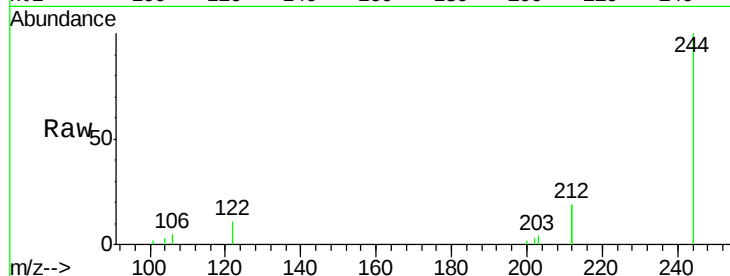




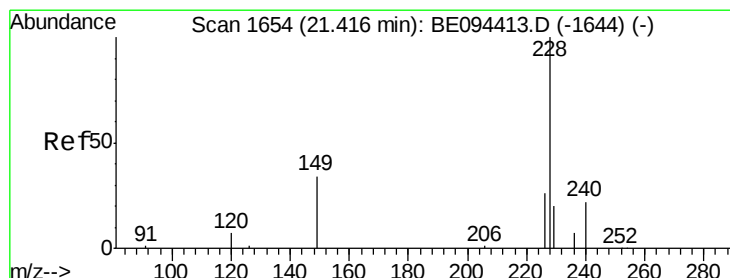
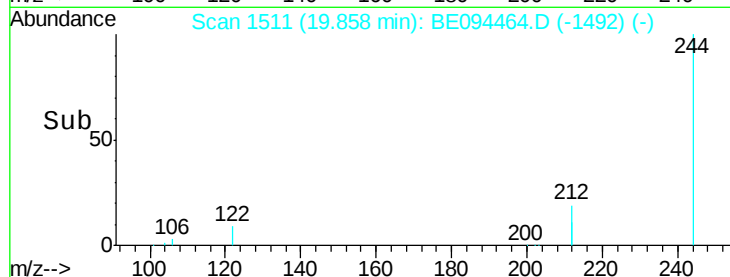
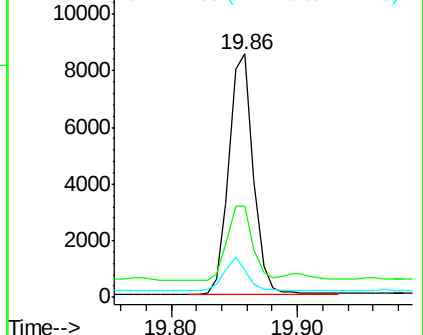
#29
 Terphenyl-d14
 Concen: 0.538 ng
 RT: 19.86 min Scan# 1511
 Delta R.T. -0.01 min
 Lab File: BE094464.D
 Acq: 20 Oct 2017 2:23

Instrument :
 BNA_E
 ClientSampleId :
 3910-SPP3

Tgt Ion: 244 Resp: 11444
 Ion Ratio Lower Upper
 244 100
 212 37.7 25.4 38.0
 122 11.3 8.1 12.1

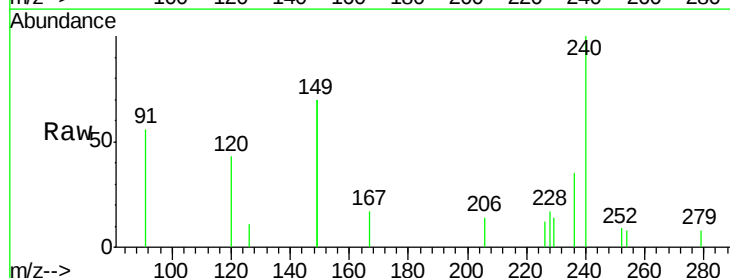


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

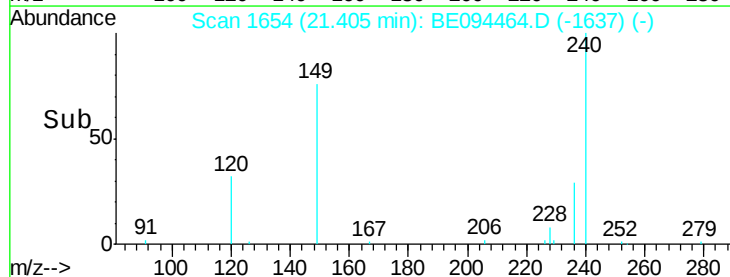
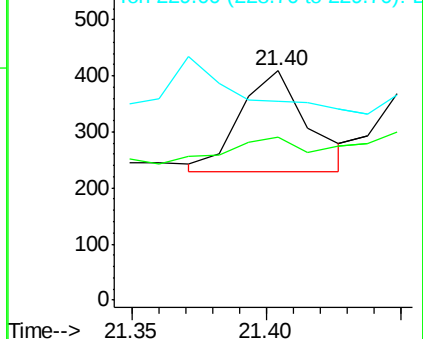


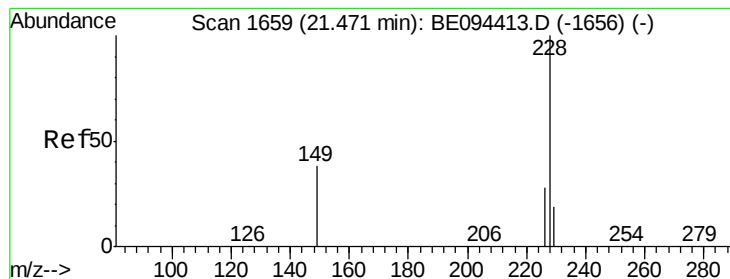
#30
 Benzo(a)anthracene
 Concen: 0.009 ng
 RT: 21.40 min Scan# 1654
 Delta R.T. -0.01 min
 Lab File: BE094464.D
 Acq: 20 Oct 2017 2:23

Tgt Ion: 228 Resp: 317
 Ion Ratio Lower Upper
 228 100
 226 70.9 40.0 60.0#
 229 86.8 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: 0.008 ng

RT: 21.46 min Scan# 1659

Delta R.T. -0.01 min

Lab File: BE094464.D

Acq: 20 Oct 2017 2:23

Instrument :

BNA_E

ClientSampleId :

3910-SPP3

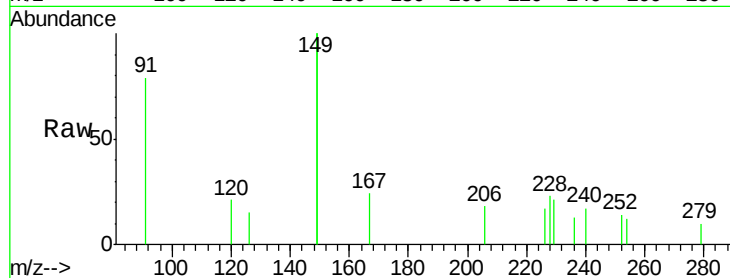
Tgt Ion: 228 Resp: 286

Ion Ratio Lower Upper

228 100

226 73.3 40.0 60.0#

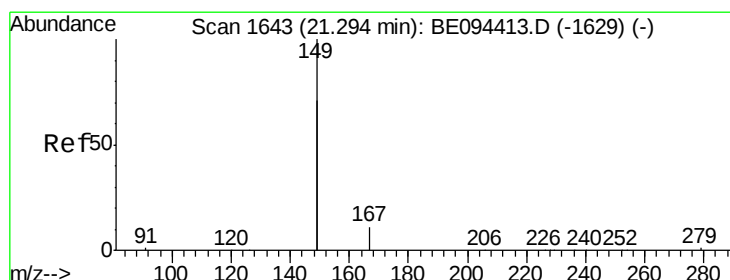
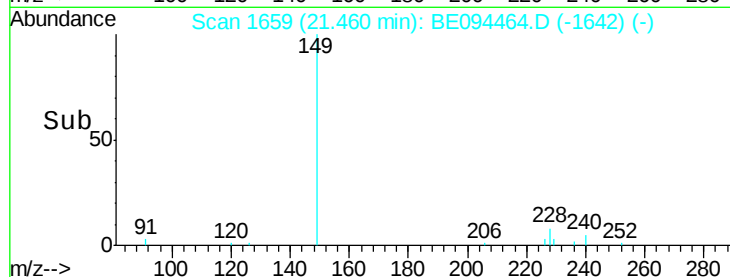
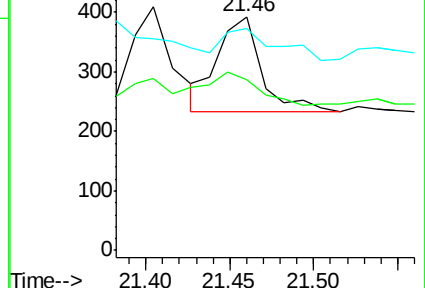
229 94.9 40.0 60.0#



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



#32

Bis(2-ethylhexyl)phthalate

Concen: 1.415 ng

RT: 21.29 min Scan# 1644

Delta R.T. 0.00 min

Lab File: BE094464.D

Acq: 20 Oct 2017 2:23

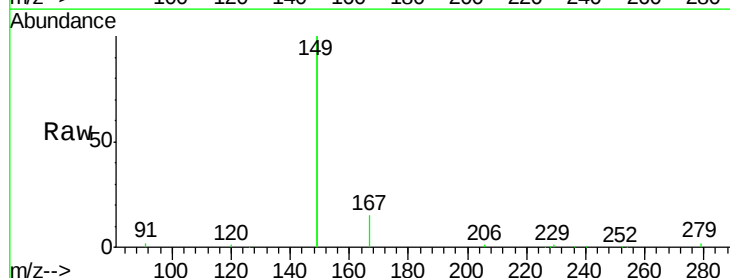
Tgt Ion: 149 Resp: 148588

Ion Ratio Lower Upper

149 100

167 6.8 5.4 8.0

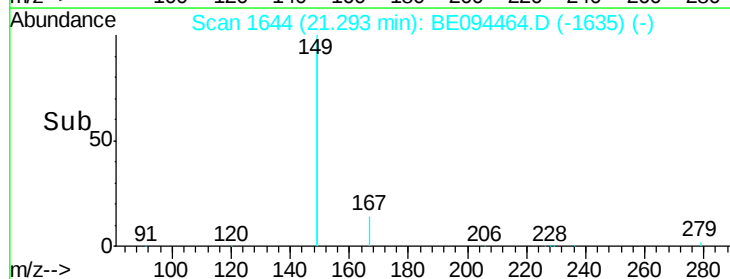
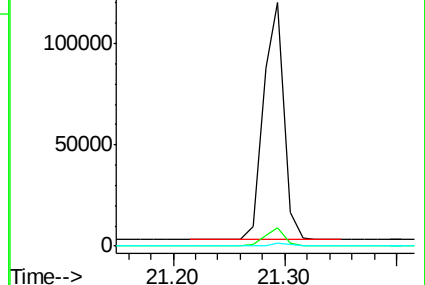
279 0.9 0.7 1.1

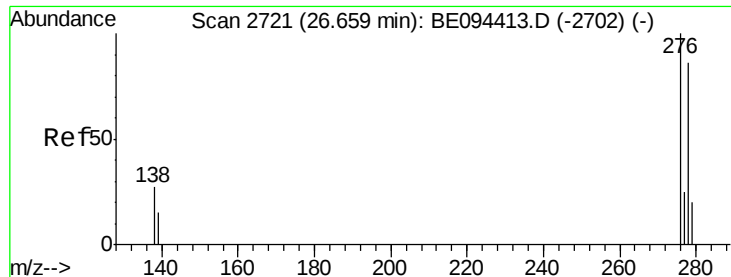


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.005 ng

RT: 26.64 min Scan# 2717

Delta R.T. -0.02 min

Lab File: BE094464.D

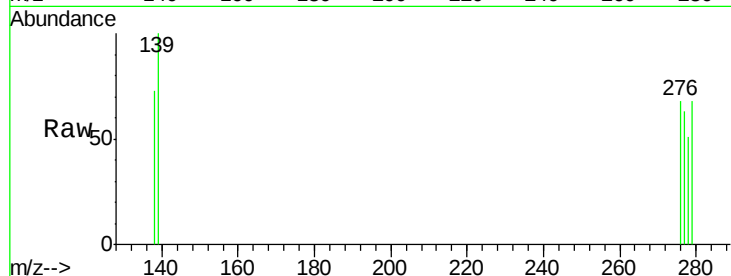
Acq: 20 Oct 2017 2:23

Instrument :

BNA_E

ClientSampleId :

3910-SPP3



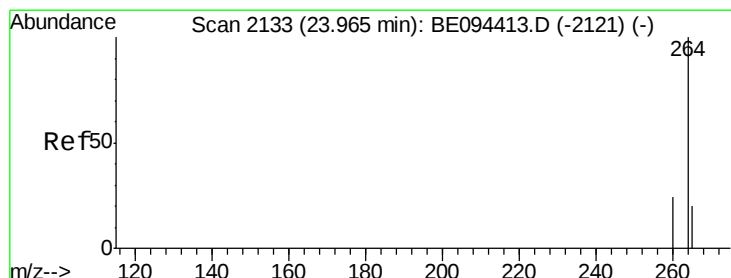
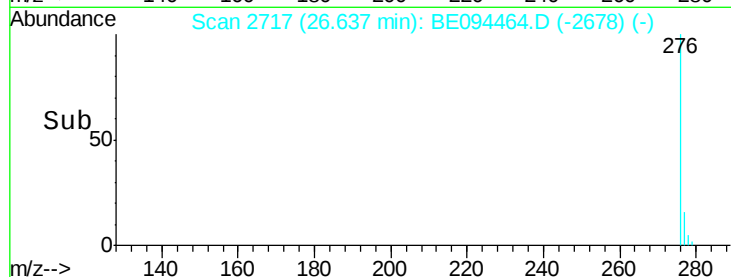
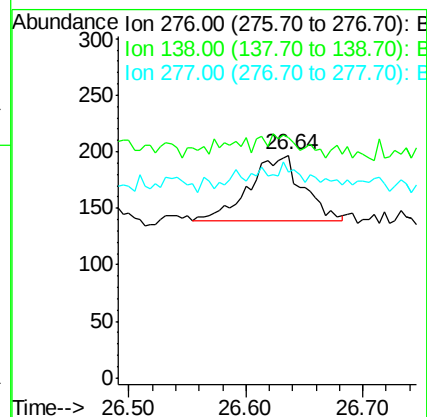
Tgt Ion:276 Resp: 184

Ion Ratio Lower Upper

276 100

138 8.7 22.5 33.7#

277 7.1 19.9 29.9#



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.94 min Scan# 2129

Delta R.T. -0.02 min

Lab File: BE094464.D

Acq: 20 Oct 2017 2:23

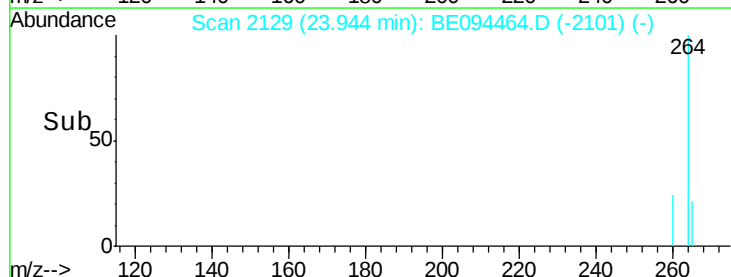
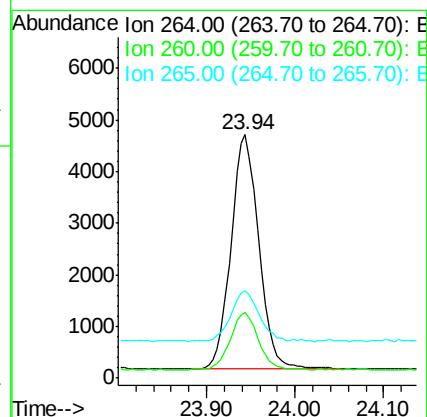
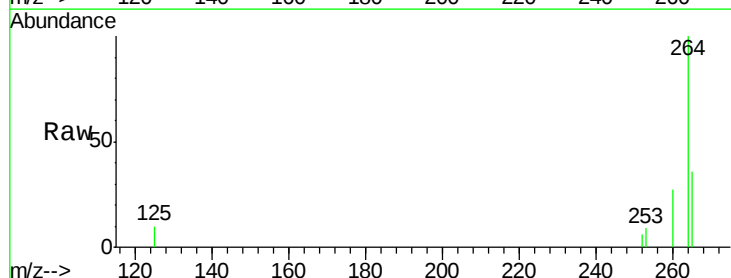
Tgt Ion:264 Resp: 9897

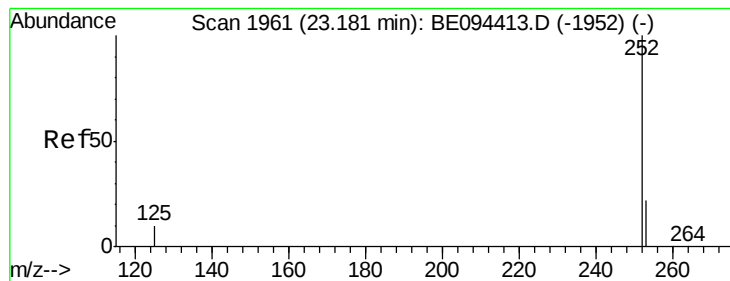
Ion Ratio Lower Upper

264 100

260 26.8 20.5 30.7

265 36.0 22.8 34.2#





#35

Benzo(b)fluoranthene

Concen: 0.013 ng

RT: 23.17 min Scan# 1960

Delta R.T. -0.01 min

Lab File: BE094464.D

Acq: 20 Oct 2017 2:23

Instrument :

BNA_E

ClientSampleId :

3910-SPP3

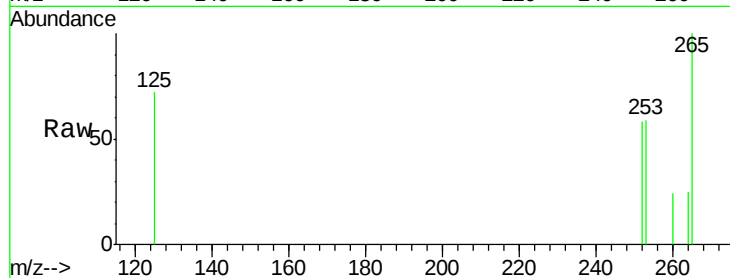
Tgt Ion:252 Resp: 446

Ion Ratio Lower Upper

252 100

253 101.4 48.0 72.0#

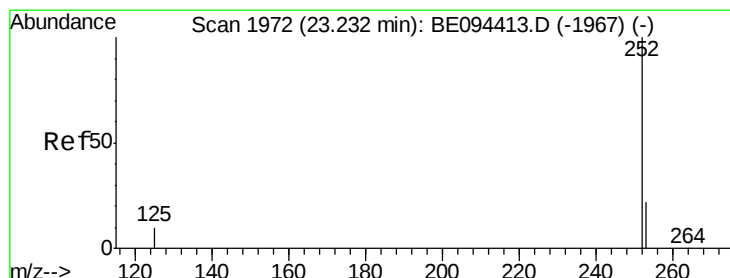
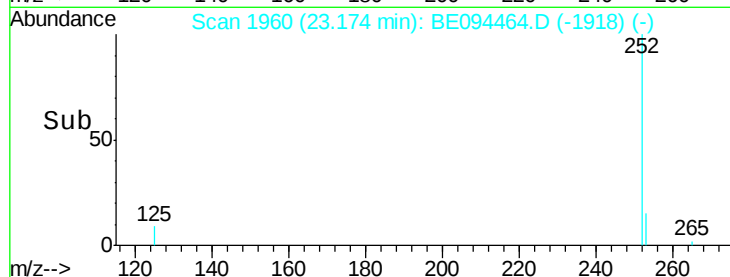
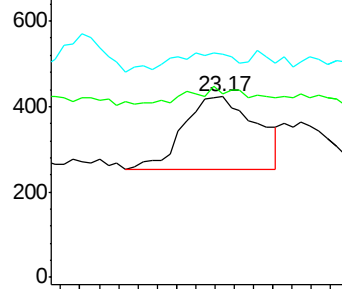
125 123.2 56.0 84.0#



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: 0.013 ng

RT: 23.17 min Scan# 1960

Delta R.T. -0.06 min

Lab File: BE094464.D

Acq: 20 Oct 2017 2:23

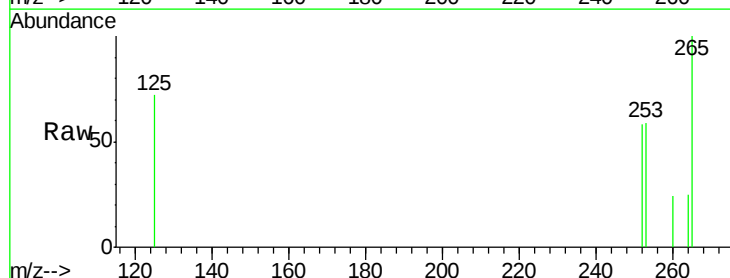
Tgt Ion:252 Resp: 446

Ion Ratio Lower Upper

252 100

253 101.4 48.0 72.0#

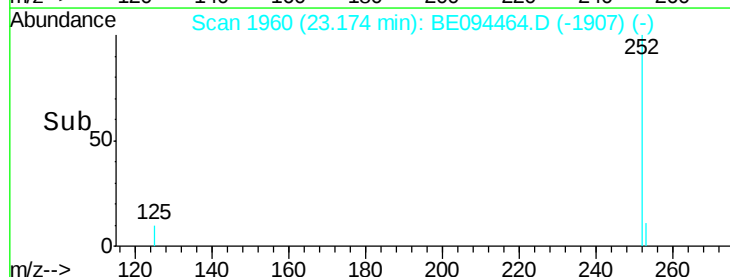
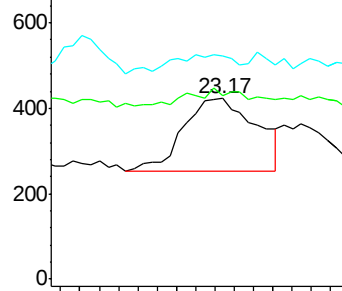
125 123.2 56.0 84.0#

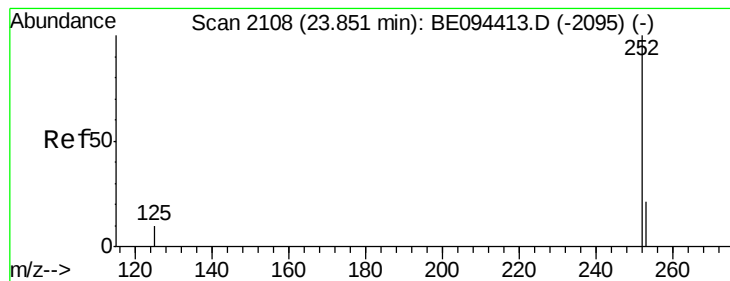


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.006 ng

RT: 23.83 min Scan# 2104

Delta R.T. -0.02 min

Lab File: BE094464.D

Acq: 20 Oct 2017 2:23

Instrument :

BNA_E

ClientSampled :

3910-SPP3

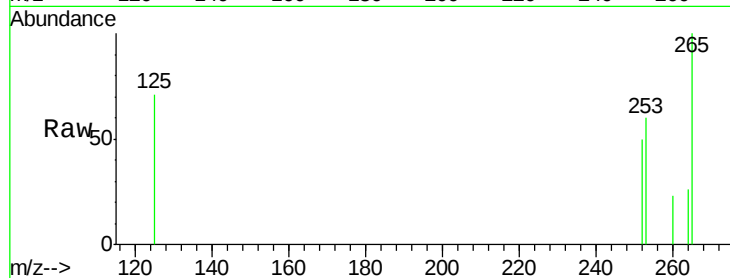
Tgt Ion: 252 Resp: 204

Ion Ratio Lower Upper

252 100

253 120.4 52.0 78.0#

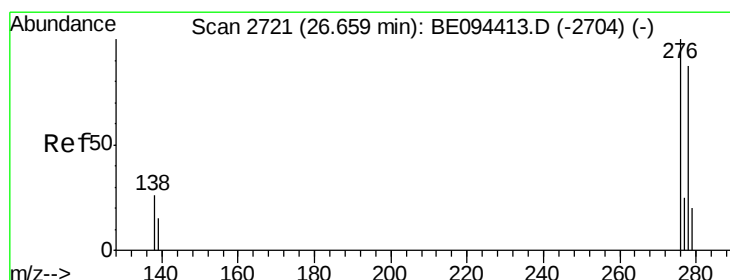
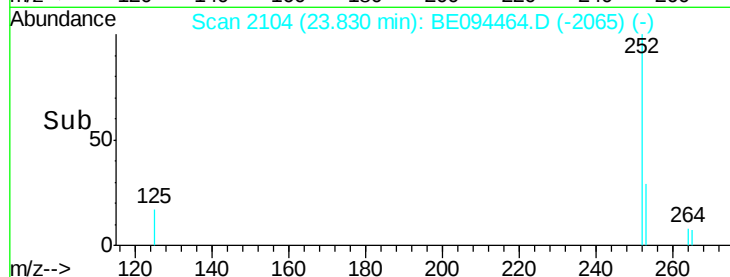
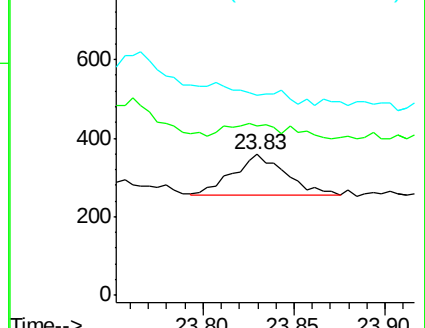
125 142.2 68.0 102.0#



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: 0.002 ng

RT: 26.63 min Scan# 2716

Delta R.T. -0.03 min

Lab File: BE094464.D

Acq: 20 Oct 2017 2:23

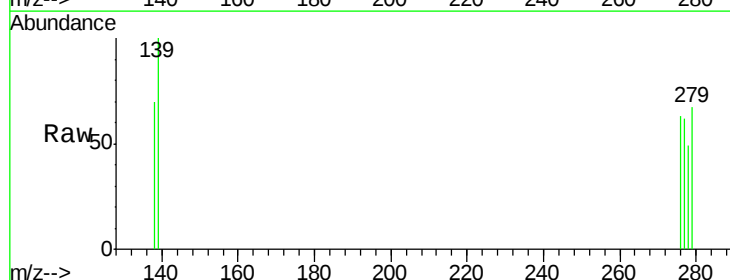
Tgt Ion: 278 Resp: 56

Ion Ratio Lower Upper

278 100

139 203.3 56.0 84.0#

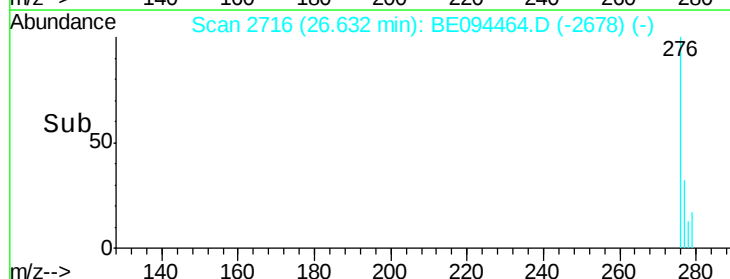
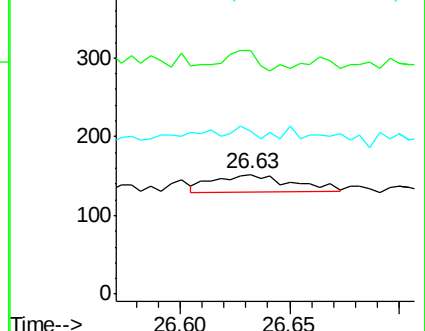
279 136.2 52.0 78.0#

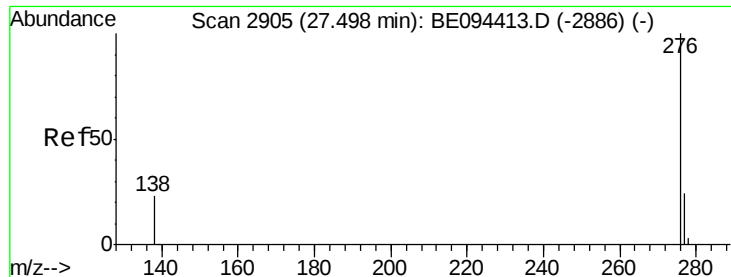


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.004 ng

RT: 27.46 min Scan# 2897

Delta R.T. -0.04 min

Lab File: BE094464.D

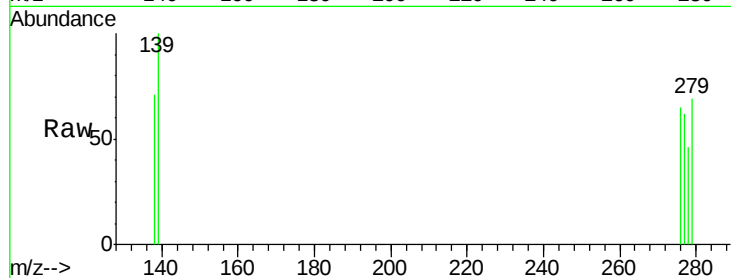
Acq: 20 Oct 2017 2:23

Instrument :

BNA_E

ClientSampleId :

3910-SPP3



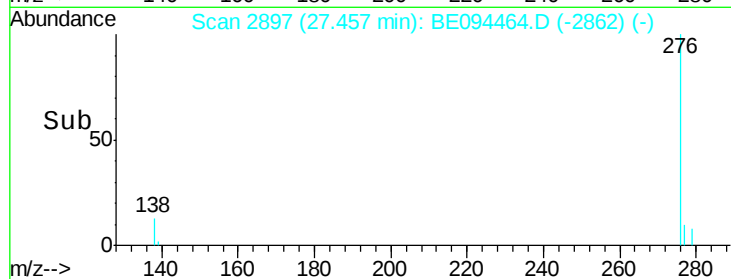
Tgt Ion: 276 Resp: 102

Ion Ratio Lower Upper

276 100

277 95.7 52.0 78.0#

138 109.2 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

