

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE101917\
 Data File : BE094454.D
 Acq On : 19 Oct 2017 19:01
 Operator : SJ/JU
 Sample : I5819-07
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 3908-SPP2

Quant Time: Oct 20 12:42:18 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	1462	0.40	ng	-0.02
7) Naphthalene-d8	10.69	136	7884	0.40	ng	-0.02
13) Acenaphthene-d10	14.51	164	4727	0.40	ng	-0.01
19) Phenanthrene-d10	17.23	188	12808	0.40	ng	-0.03
27) Chrysene-d12	21.42	240	10529	0.40	ng	-0.01
34) Perylene-d12	23.94	264	9939	0.40	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.53	112	890	0.18	ng	0.00
5) Phenol-d6	7.12	99	829	0.11	ng	0.00
8) Nitrobenzene-d5	9.06	82	3129	0.46	ng	-0.02
11) 2-Methylnaphthalene-d10	12.27	152	5410	0.45	ng	-0.02
14) 2,4,6-Tribromophenol	16.03	330	595	0.33	ng	0.00
15) 2-Fluorobiphenyl	13.13	172	7986	0.47	ng	-0.01
25) Fluoranthene-d10	19.27	212	55598	0.27	ng	-0.01
29) Terphenyl-d14	19.85	244	13835	0.65	ng	-0.01

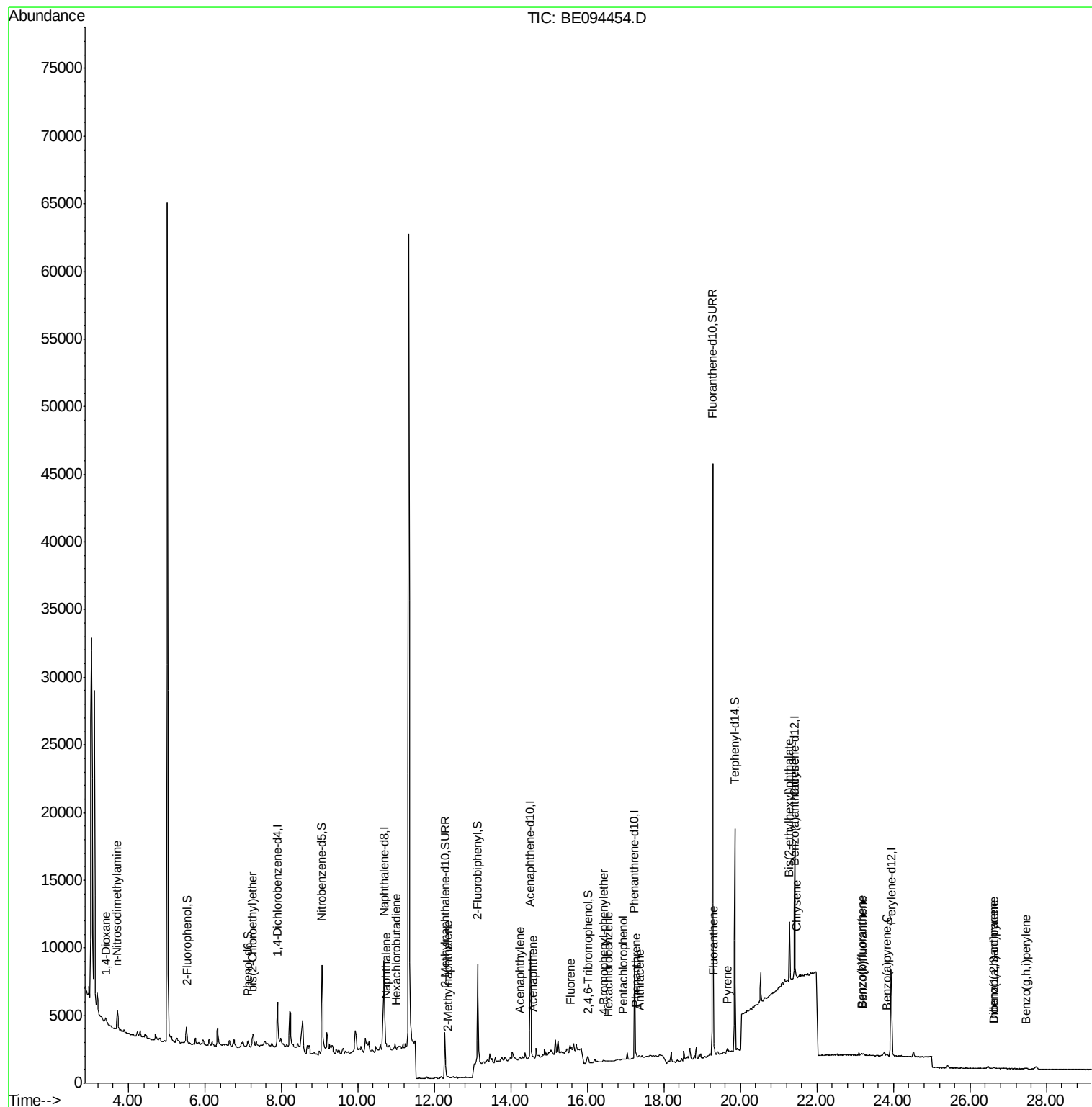
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.42	88	239	0.025	ng	# 1
3) n-Nitrosodimethylamine	3.71	42	242	0.095	ng	# 8
6) bis(2-Chloroethyl)ether	7.25	93	1720	0.302	ng	# 1
9) Naphthalene	10.74	128	469	0.005	ng	# 66
10) Hexachlorobutadiene	11.01	225	9	0.003	ng	# 1
12) 2-Methylnaphthalene	12.35	142	58	0.004	ng	# 36
16) Acenaphthylene	14.23	152	182	0.007	ng	# 74
17) Acenaphthene	14.57	154	44	0.003	ng	# 1
18) Fluorene	15.56	166	171	0.008	ng	# 40
20) 4-Bromophenyl-phenylether	16.42	248	18	0.003	ng	# 1
21) Hexachlorobenzene	16.55	284	2	0.027	ng	# 38
22) Pentachlorophenol	16.94	266	29	0.178	ng	# 95
23) Phenanthrene	17.27	178	491	0.010	ng	# 51
24) Anthracene	17.36	178	385	0.010	ng	# 62
26) Fluoranthene	19.30	202	365	0.006	ng	# 1
28) Pyrene	19.67	202	402	0.010	ng	# 63
30) Benzo(a)anthracene	21.41	228	241	0.007	ng	# 39
31) Chrysene	21.46	228	224	0.006	ng	# 40
32) Bis(2-ethylhexyl)phthalate	21.28	149	6433	0.061	ng	# 98
33) Indeno(1,2,3-cd)pyrene	26.63	276	160	0.005	ng	# 67
35) Benzo(b)fluoranthene	23.17	252	274	0.008	ng	# 28
36) Benzo(k)fluoranthene	23.21	252	115	0.003	ng	# 13
37) Benzo(a)pyrene	23.83	252	127	0.004	ng	# 12
38) Dibenzo(a,h)anthracene	26.63	278	75	0.003	ng	# 1
39) Benzo(g,h,i)perylene	27.46	276	76	0.003	ng	# 44

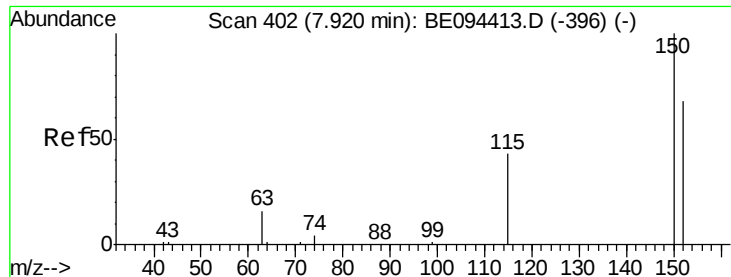
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.91 min Scan# 401

Delta R.T. -0.02 min

Lab File: BE094454.D

Acq: 19 Oct 2017 19:01

Instrument :

BNA_E

ClientSampleId :

3908-SPP2

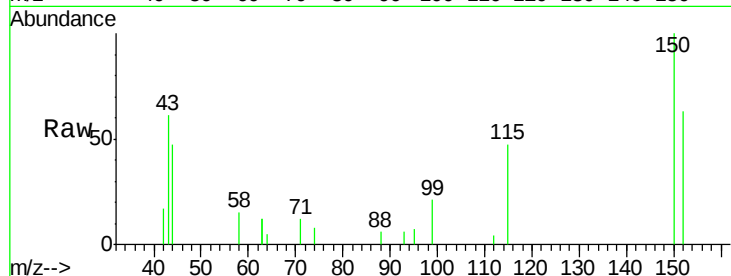
Tgt Ion: 152 Resp: 1462

Ion Ratio Lower Upper

152 100

150 157.5 117.2 175.8

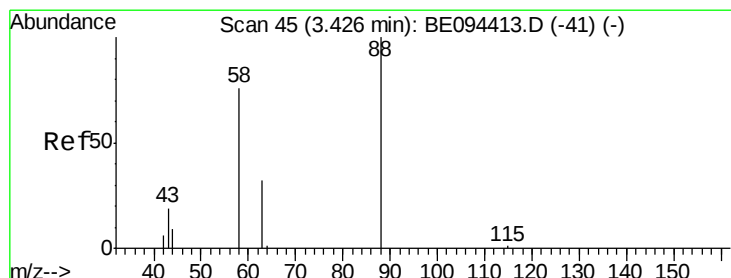
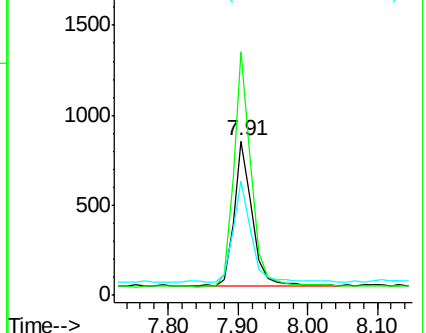
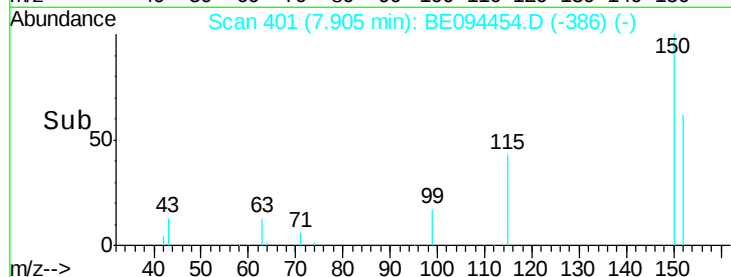
115 74.3 57.0 85.6



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 0.025 ng

RT: 3.42 min Scan# 45

Delta R.T. -0.00 min

Lab File: BE094454.D

Acq: 19 Oct 2017 19:01

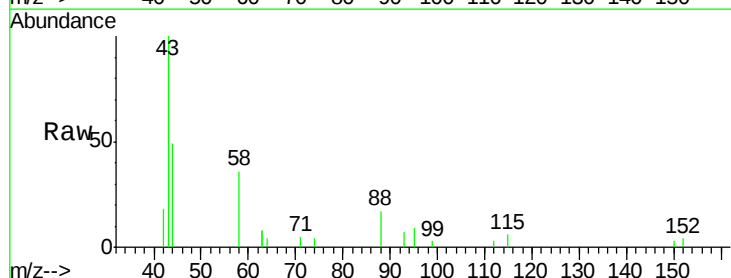
Tgt Ion: 88 Resp: 239

Ion Ratio Lower Upper

88 100

58 162.3 63.2 94.8#

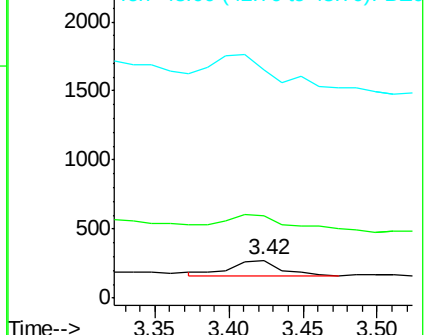
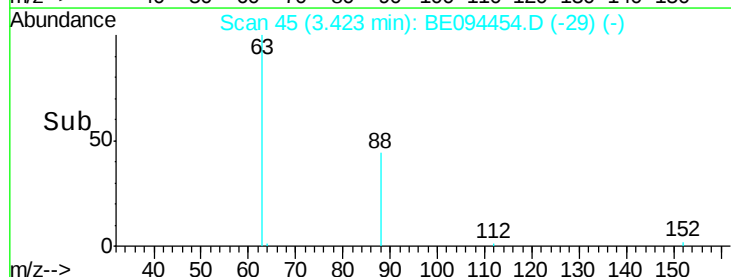
43 645.6 41.2 61.8#

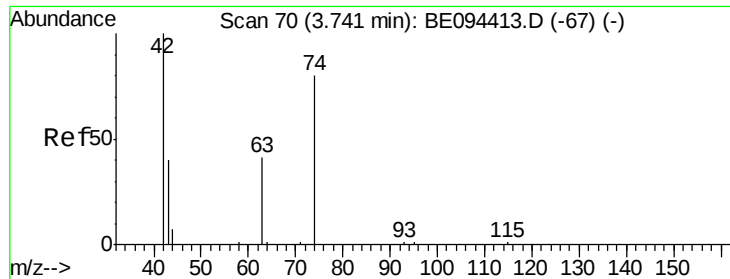


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.095 ng

RT: 3.71 min Scan# 68

Delta R.T. -0.03 min

Lab File: BE094454.D

Acq: 19 Oct 2017 19:01

Instrument :

BNA_E

ClientSampleId :

3908-SPP2

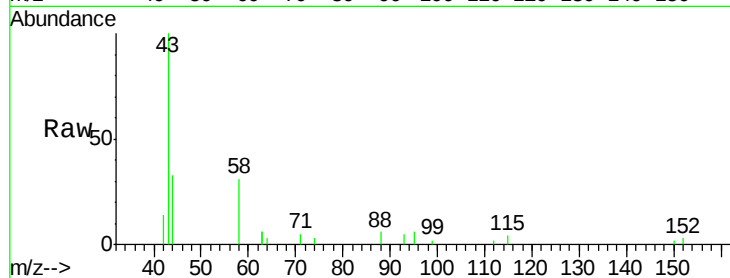
Tgt Ion: 42 Resp: 242

Ion Ratio Lower Upper

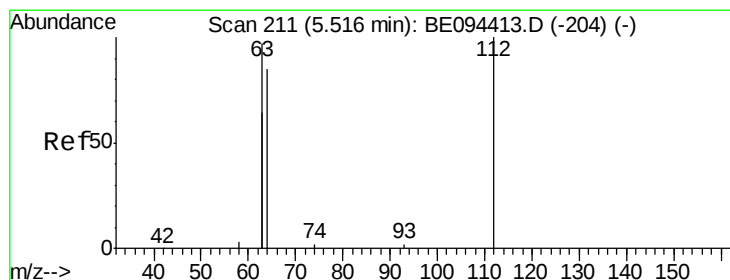
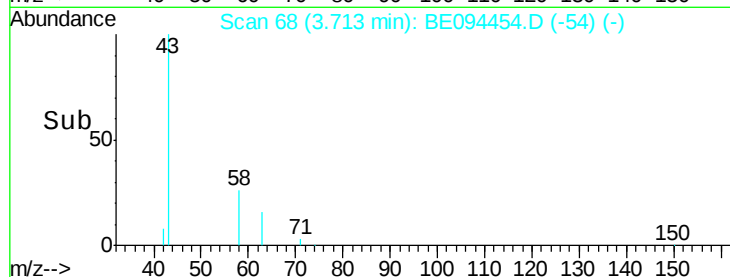
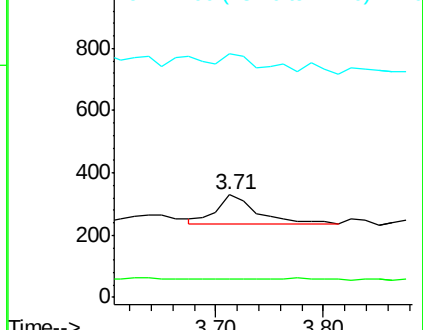
42 100

74 2.9 100.3 150.5#

44 22.3 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: 0.180 ng

RT: 5.53 min Scan# 212

Delta R.T. 0.01 min

Lab File: BE094454.D

Acq: 19 Oct 2017 19:01

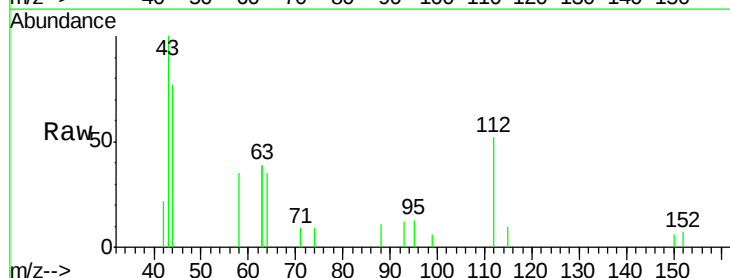
Tgt Ion: 112 Resp: 890

Ion Ratio Lower Upper

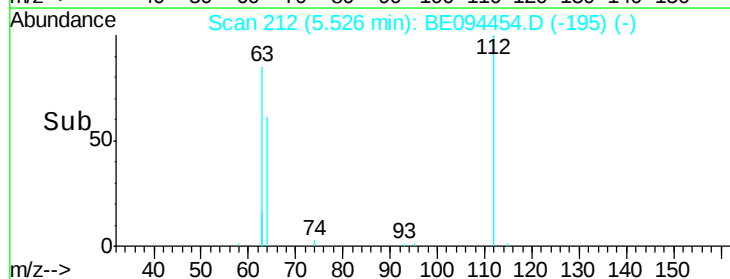
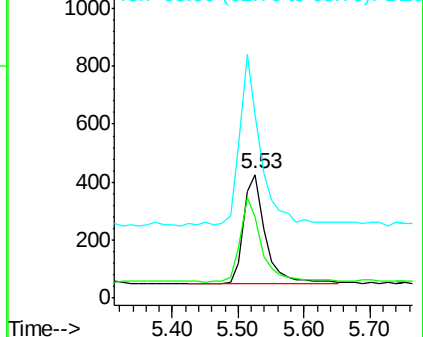
112 100

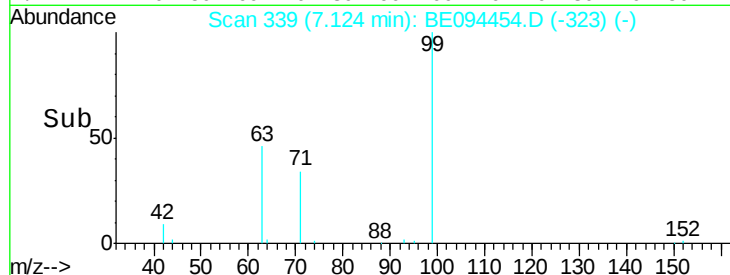
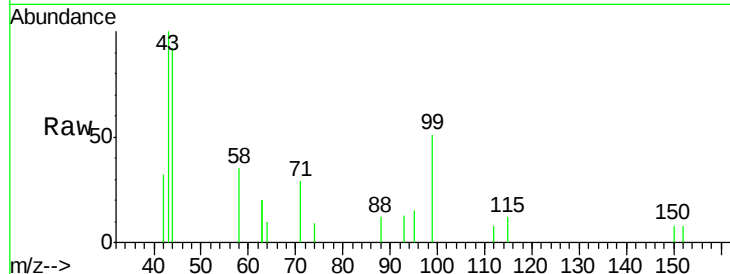
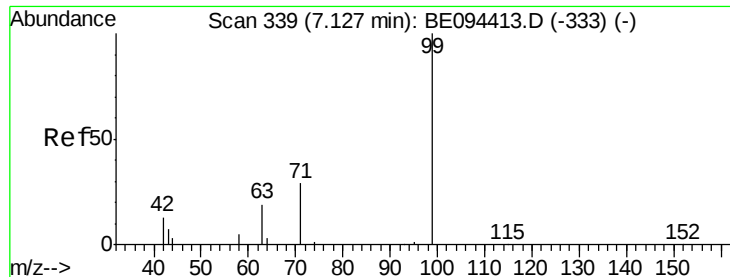
64 75.1 60.1 90.1

63 146.6 116.8 175.2



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

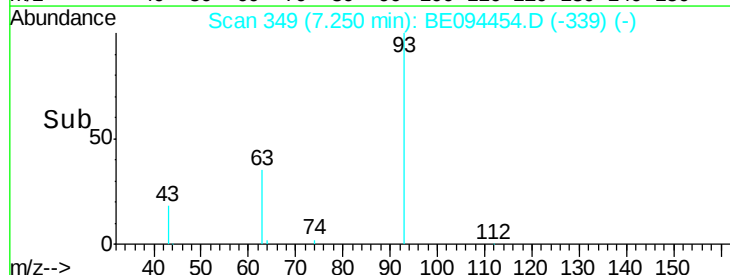
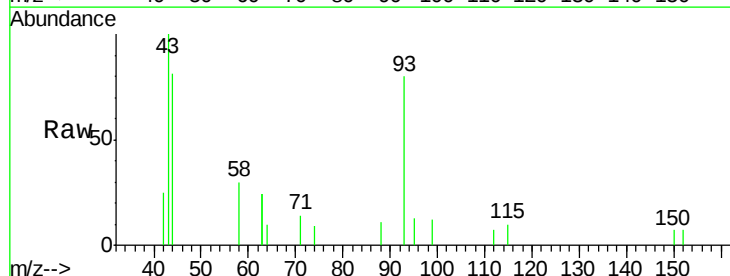
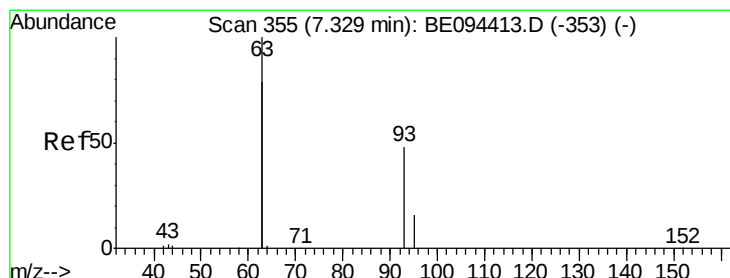
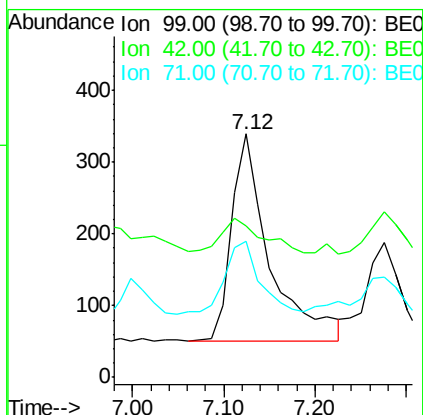




#5
 Phenol-d6
 Concen: 0.108 ng
 RT: 7.12 min Scan# 339
 Delta R.T. -0.00 min
 Lab File: BE094454.D
 Acq: 19 Oct 2017 19:01

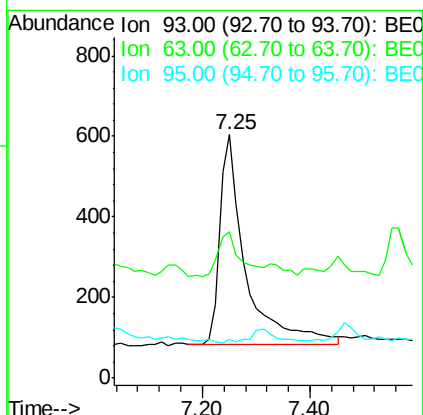
Tgt Ion	Ratio	Lower	Upper
99	100		
42	18.1	20.2	30.2#
71	34.3	28.4	42.6

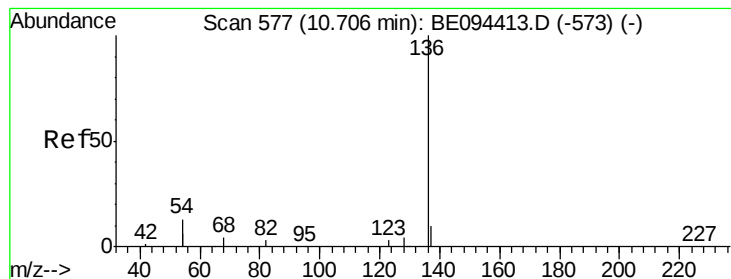
Instrument :
 BNA_E
 ClientSampleId :
 3908-SPP2



#6
 bis(2-Chloroethyl)ether
 Concen: 0.302 ng
 RT: 7.25 min Scan# 349
 Delta R.T. -0.08 min
 Lab File: BE094454.D
 Acq: 19 Oct 2017 19:01

Tgt Ion	Ratio	Lower	Upper
93	100		
63	18.5	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: BE094454.D

Acq: 19 Oct 2017 19:01

Instrument :

BNA_E

ClientSampleId :

3908-SPP2

Tgt Ion: 136 Resp: 7884

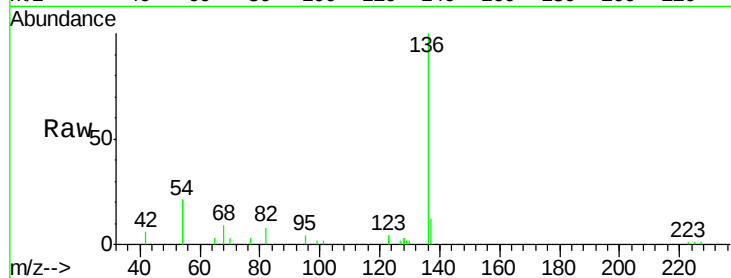
Ion Ratio Lower Upper

136 100

137 12.4 9.5 14.3

54 42.5 29.1 43.7

68 9.3 6.2 9.2#

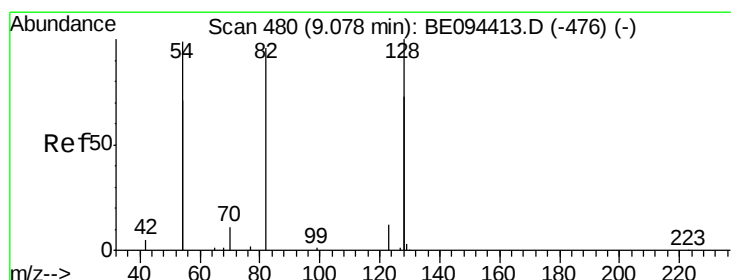
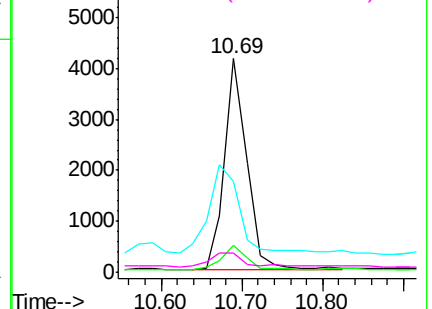
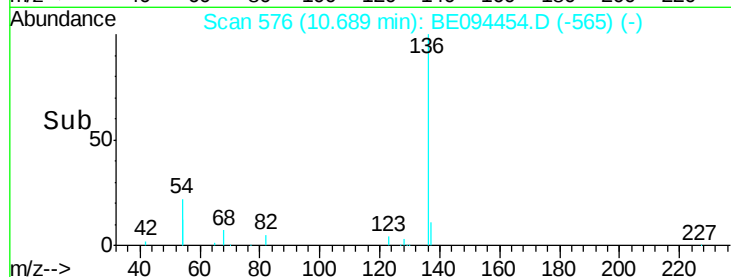


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



#8

Nitrobenzene-d5

Concen: 0.457 ng

RT: 9.06 min Scan# 479

Delta R.T. -0.02 min

Lab File: BE094454.D

Acq: 19 Oct 2017 19:01

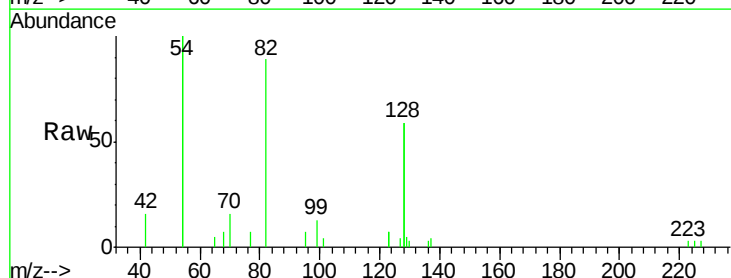
Tgt Ion: 82 Resp: 3129

Ion Ratio Lower Upper

82 100

128 131.7 150.0 225.0#

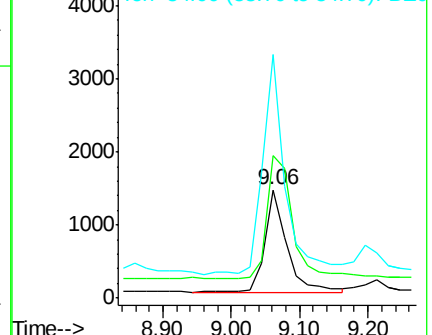
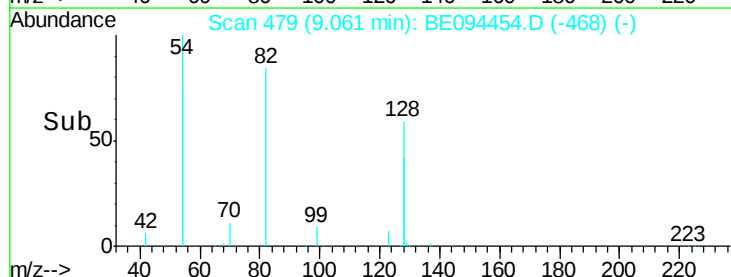
54 224.7 154.2 231.4

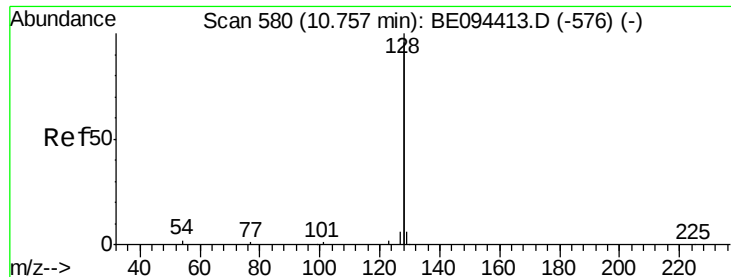


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.005 ng

RT: 10.74 min Scan# 579

Delta R.T. -0.02 min

Lab File: BE094454.D

Acq: 19 Oct 2017 19:01

Instrument :

BNA_E

ClientSampleId :

3908-SPP2

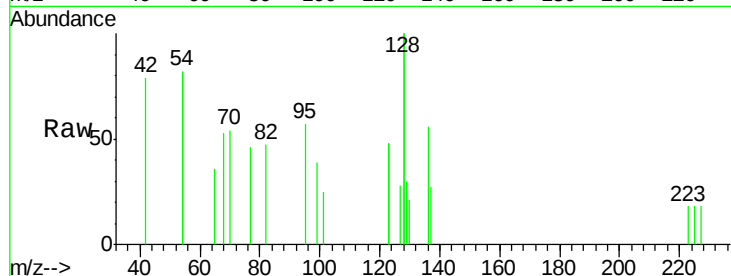
Tgt Ion:128 Resp: 469

Ion Ratio Lower Upper

128 100

129 14.8 2.6 3.8#

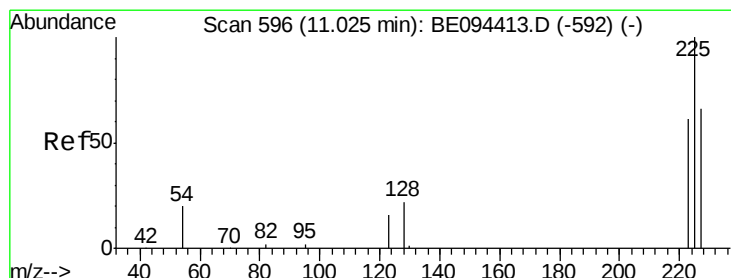
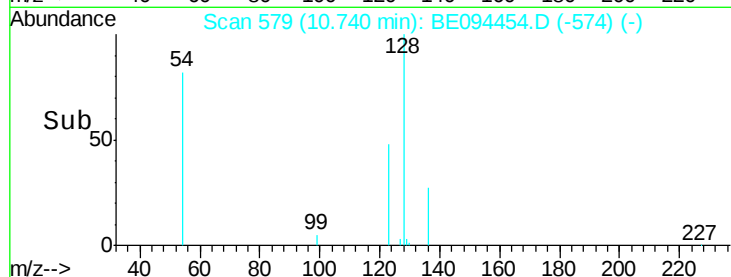
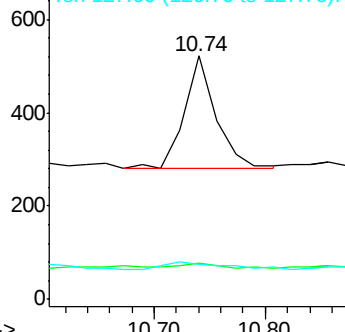
127 14.2 2.8 4.2#



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: 0.003 ng

RT: 11.01 min Scan# 595

Delta R.T. -0.02 min

Lab File: BE094454.D

Acq: 19 Oct 2017 19:01

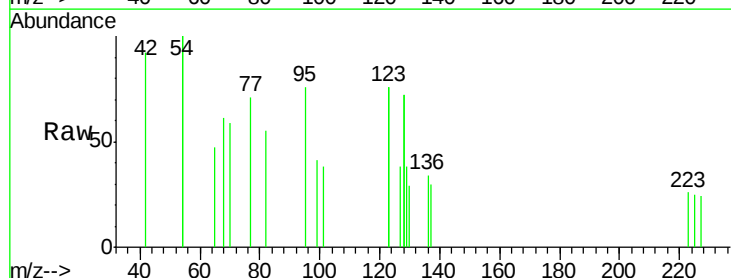
Tgt Ion:225 Resp: 9

Ion Ratio Lower Upper

225 100

223 188.9 53.0 79.6#

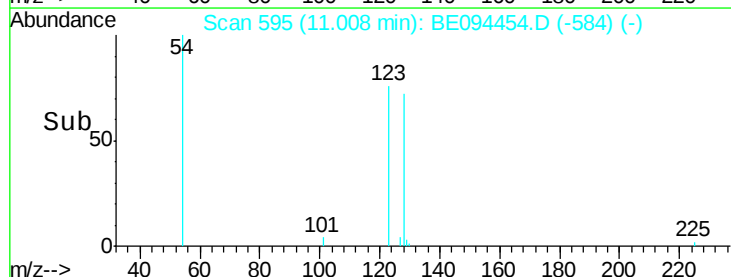
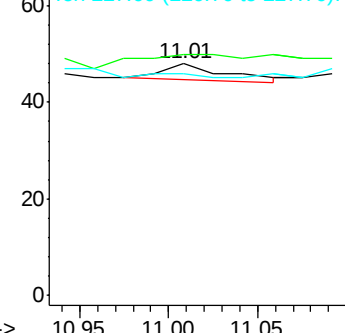
227 0.0 51.4 77.2#

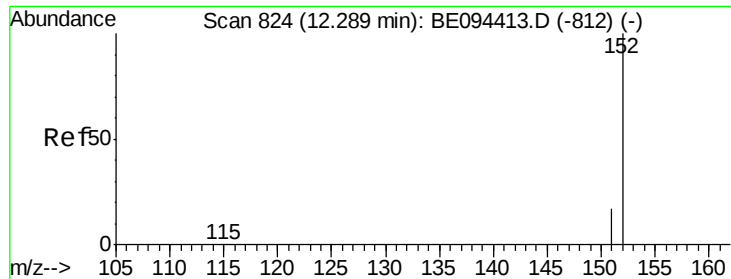


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

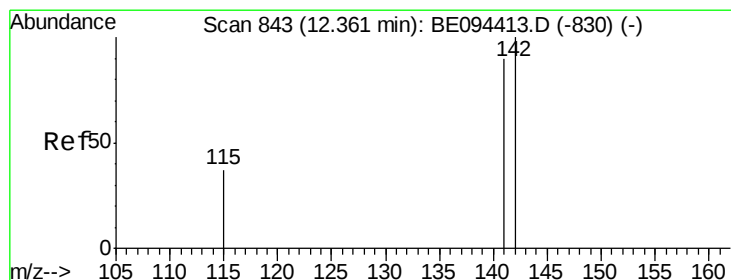
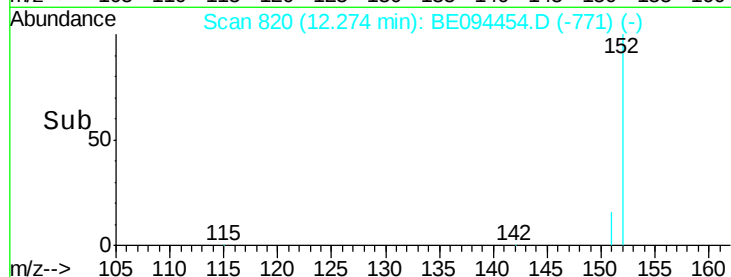
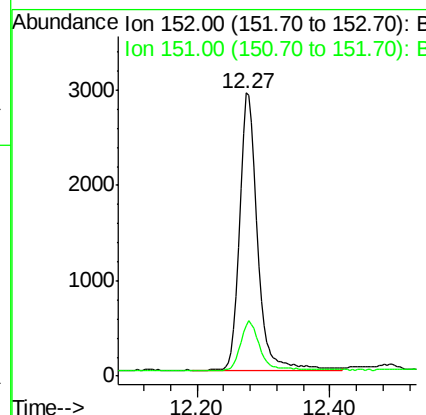
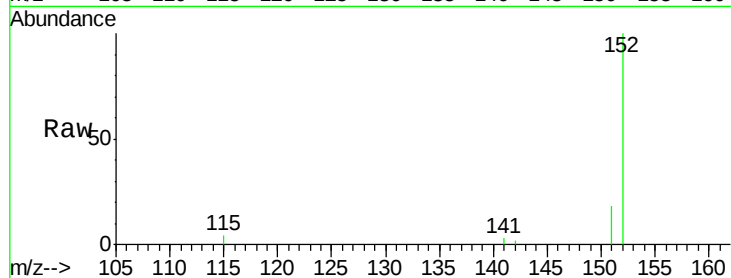




#11
 2-Methylnaphthalene-d10
 Concen: 0.445 ng
 RT: 12.27 min Scan# 820
 Delta R.T. -0.02 min
 Lab File: BE094454.D
 Acq: 19 Oct 2017 19:01

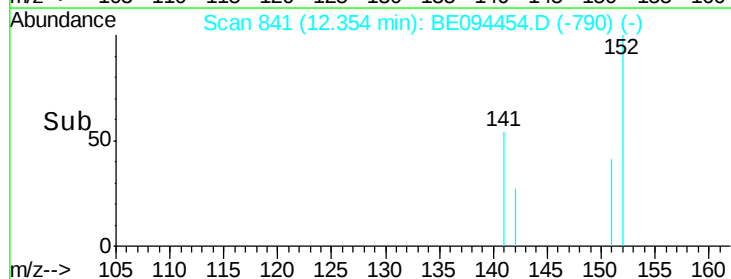
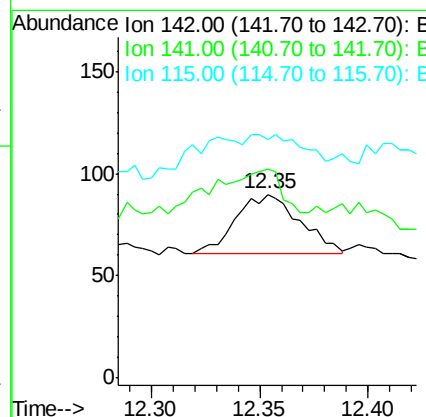
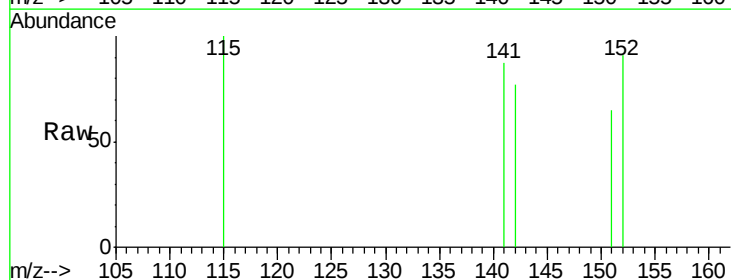
Instrument :
 BNA_E
 ClientSampleId :
 3908-SPP2

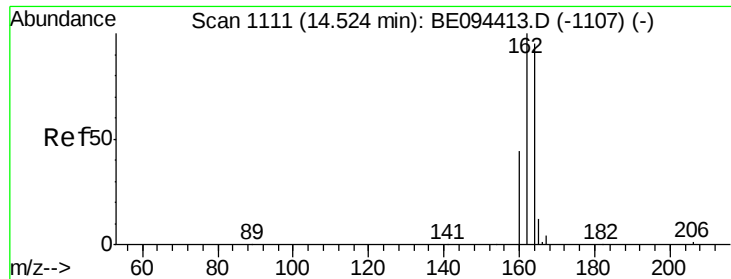
Tgt Ion:152 Resp: 5410
 Ion Ratio Lower Upper
 152 100
 151 18.7 15.4 23.0



#12
 2-Methylnaphthalene
 Concen: 0.004 ng
 RT: 12.35 min Scan# 841
 Delta R.T. -0.01 min
 Lab File: BE094454.D
 Acq: 19 Oct 2017 19:01

Tgt Ion:142 Resp: 58
 Ion Ratio Lower Upper
 142 100
 141 113.3 70.4 105.6#
 115 130.0 31.7 47.5#





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.51 min Scan# 1110

Delta R.T. -0.01 min

Lab File: BE094454.D

Acq: 19 Oct 2017 19:01

Instrument :

BNA_E

ClientSampleId :

3908-SPP2

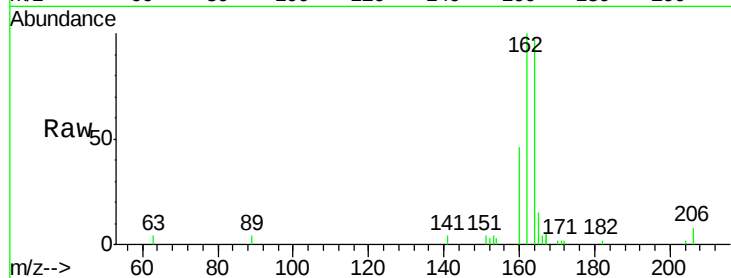
Tgt Ion:164 Resp: 4727

Ion Ratio Lower Upper

164 100

162 103.6 83.1 124.7

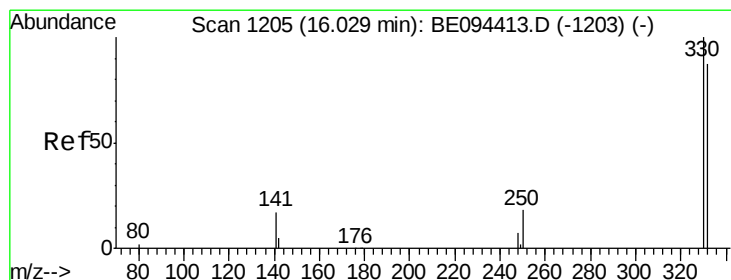
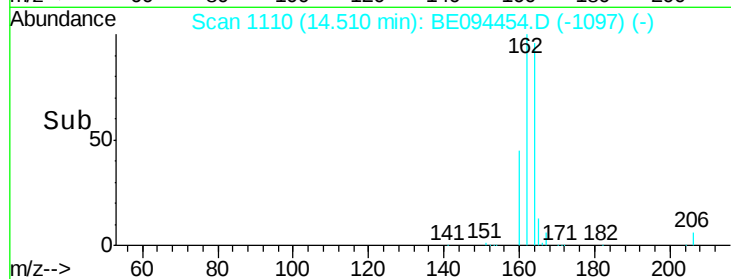
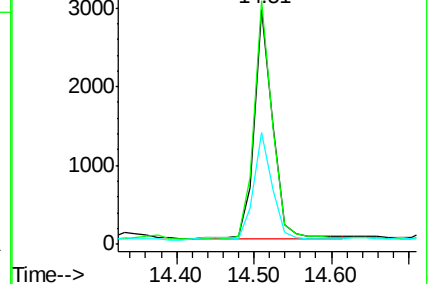
160 47.5 37.1 55.7



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: 0.330 ng

RT: 16.03 min Scan# 1205

Delta R.T. -0.00 min

Lab File: BE094454.D

Acq: 19 Oct 2017 19:01

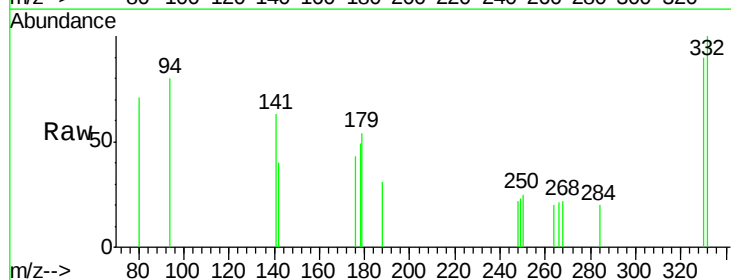
Tgt Ion:330 Resp: 595

Ion Ratio Lower Upper

330 100

332 92.9 152.7 229.1#

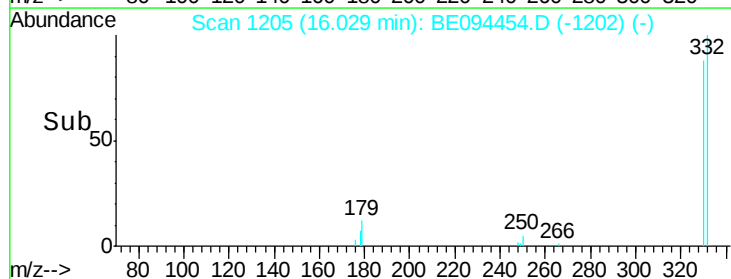
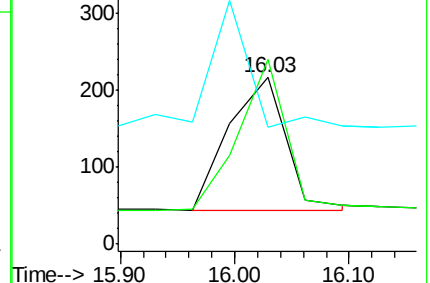
141 0.0 33.7 50.5#

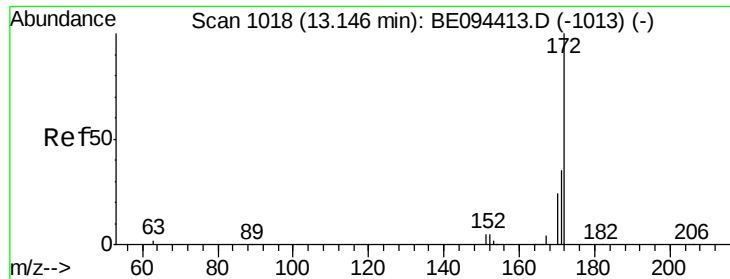


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

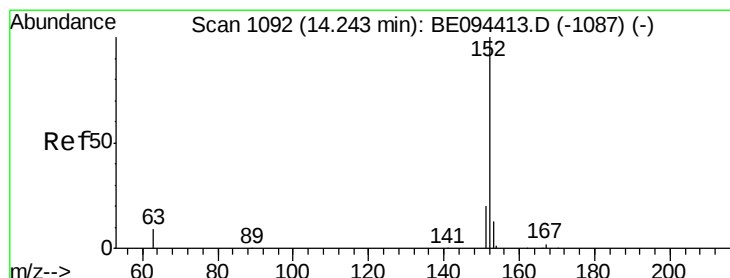
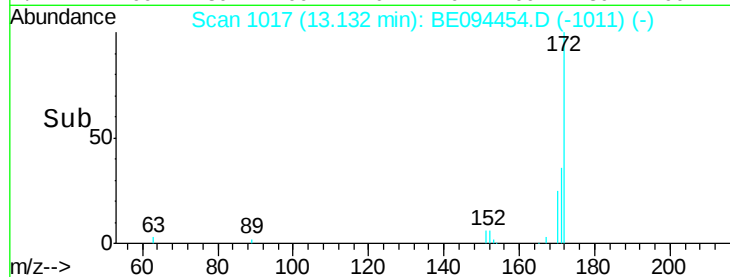
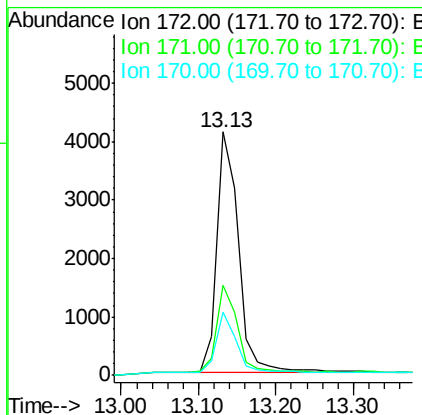
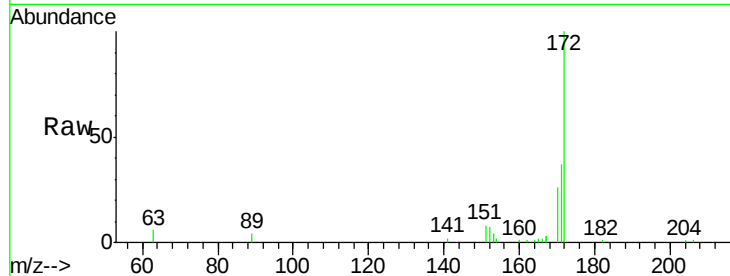




#15
2-Fluorobiphenyl
Concen: 0.473 ng
RT: 13.13 min Scan# 1017
Delta R.T. -0.01 min
Lab File: BE094454.D
Acq: 19 Oct 2017 19:01

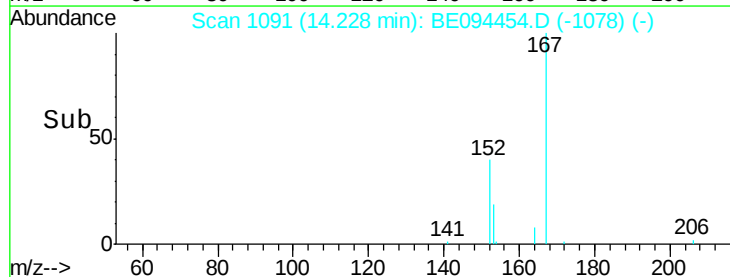
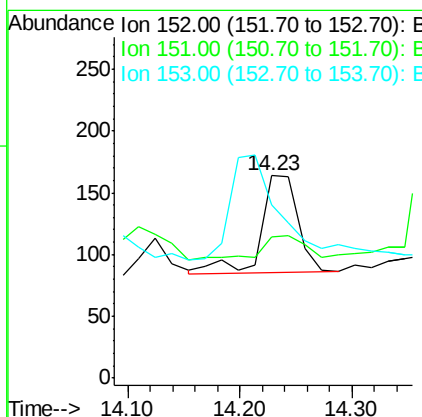
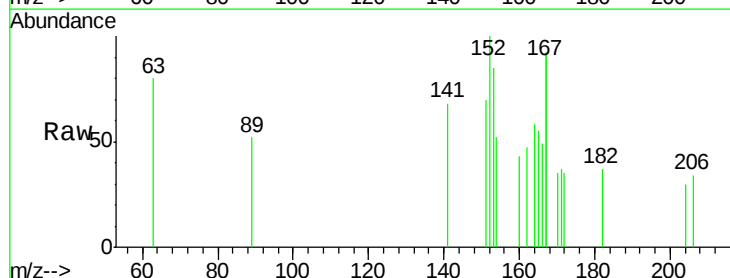
Instrument :
BNA_E
ClientSampled :
3908-SPP2

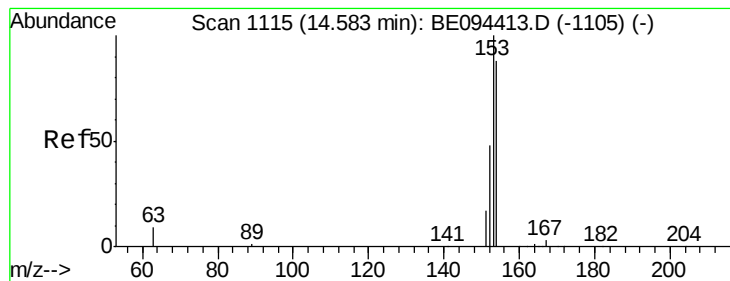
Tgt Ion:172 Resp: 7986
Ion Ratio Lower Upper
172 100
171 36.8 29.9 44.9
170 25.7 21.8 32.8



#16
Acenaphthylene
Concen: 0.007 ng
RT: 14.23 min Scan# 1091
Delta R.T. -0.01 min
Lab File: BE094454.D
Acq: 19 Oct 2017 19:01

Tgt Ion:152 Resp: 182
Ion Ratio Lower Upper
152 100
151 29.1 15.7 23.5#
153 0.0 10.5 15.7#





#17

Acenaphthene

Concen: 0.003 ng

RT: 14.57 min Scan# 1114

Delta R.T. -0.01 min

Lab File: BE094454.D

Acq: 19 Oct 2017 19:01

Instrument :

BNA_E

ClientSampleId :

3908-SPP2

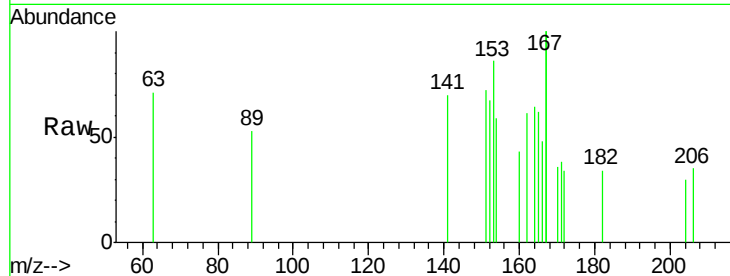
Tgt Ion:154 Resp: 44

Ion Ratio Lower Upper

154 100

153 206.8 89.2 133.8#

152 163.6 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

14.57

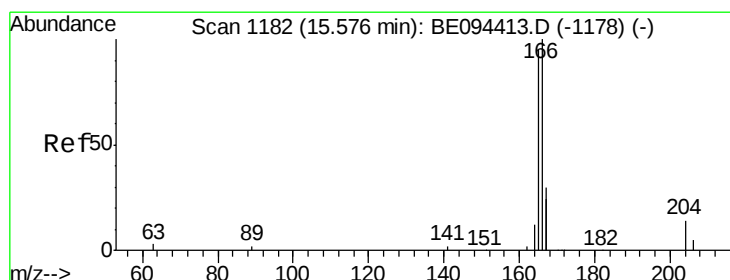
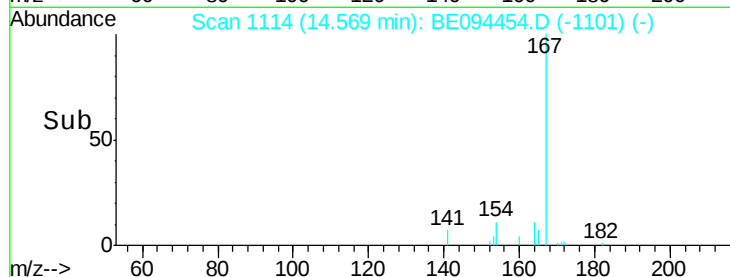
100

50

0

14.55 14.60

Time-->



#18

Fluorene

Concen: 0.008 ng

RT: 15.56 min Scan# 1181

Delta R.T. -0.01 min

Lab File: BE094454.D

Acq: 19 Oct 2017 19:01

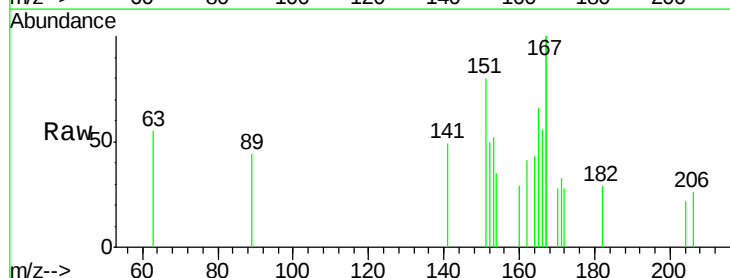
Tgt Ion:166 Resp: 171

Ion Ratio Lower Upper

166 100

165 46.2 77.8 116.6#

167 0.0 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

15.56

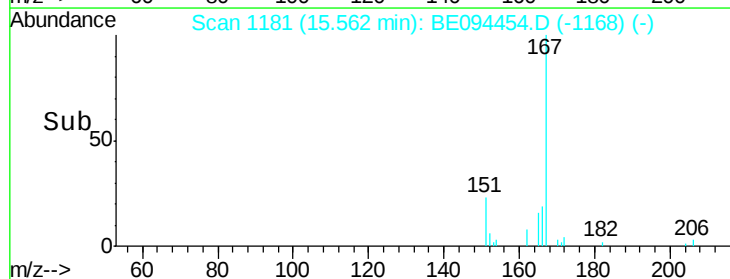
1000

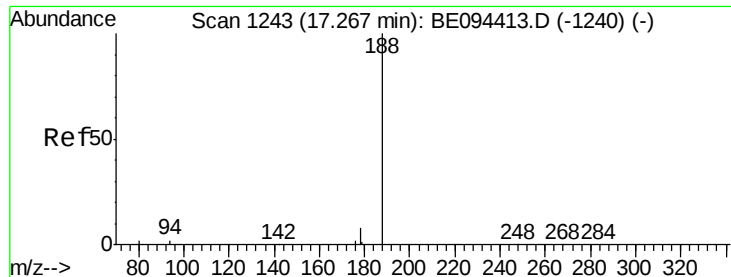
500

0

15.40 15.50 15.60

Time-->

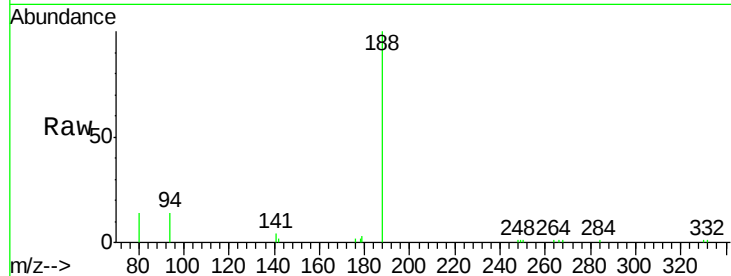




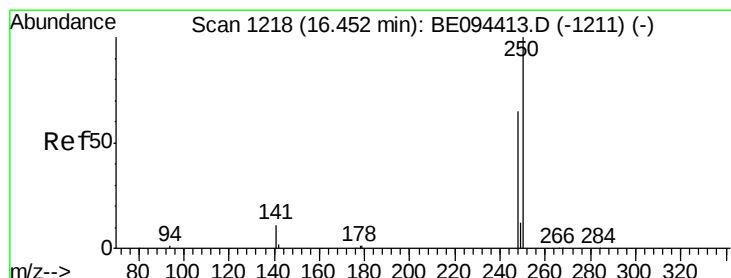
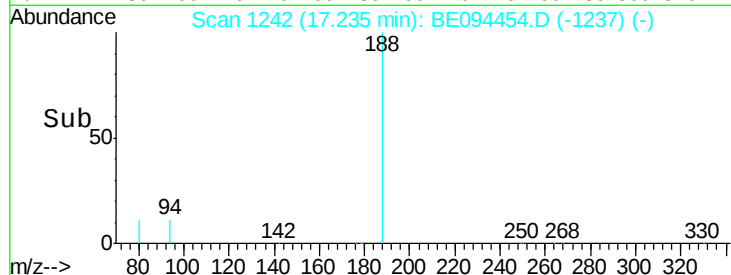
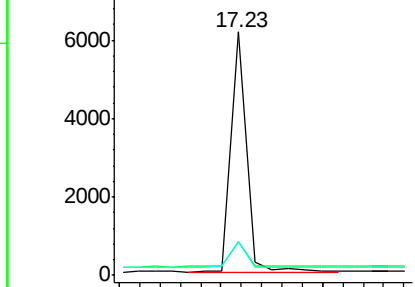
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.23 min Scan# 1242
Delta R.T. -0.03 min
Lab File: BE094454.D
Acq: 19 Oct 2017 19:01

Instrument :
BNA_E
ClientSampleId :
3908-SPP2

Tgt Ion:188 Resp: 12808
Ion Ratio Lower Upper
188 100
94 14.0 3.9 5.9#
80 13.7 3.6 5.4#

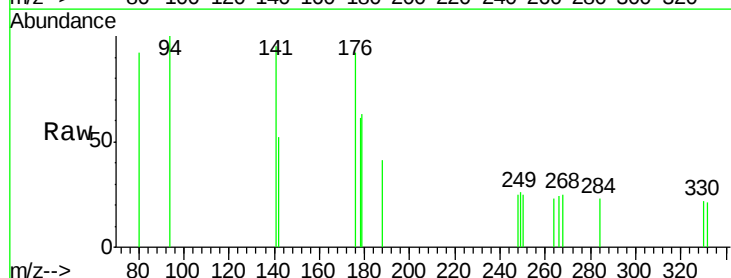


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BE0
Ion 80.00 (79.70 to 80.70): BE0

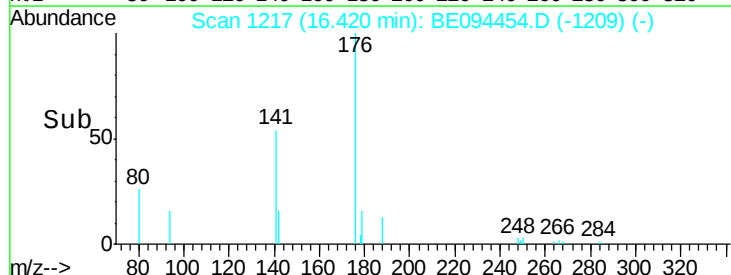
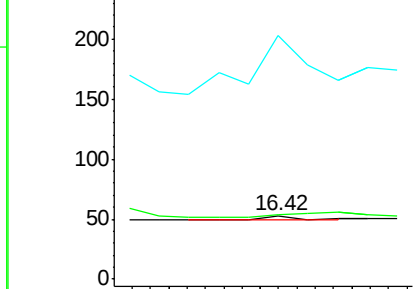


#20
4-Bromophenyl-phenylether
Concen: 0.003 ng
RT: 16.42 min Scan# 1217
Delta R.T. -0.03 min
Lab File: BE094454.D
Acq: 19 Oct 2017 19:01

Tgt Ion:248 Resp: 18
Ion Ratio Lower Upper
248 100
250 101.9 62.7 94.1#
141 383.0 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

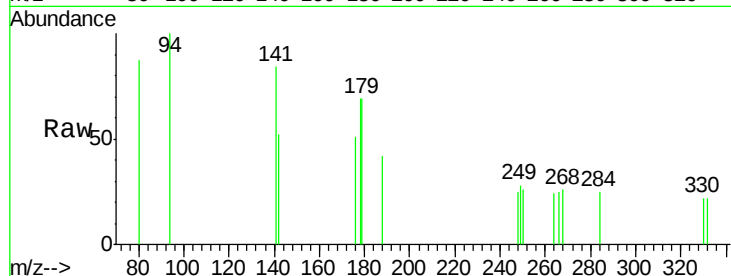




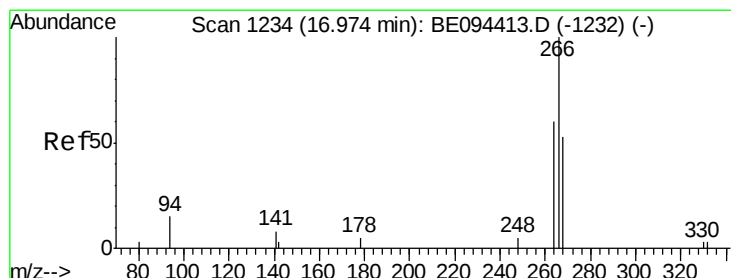
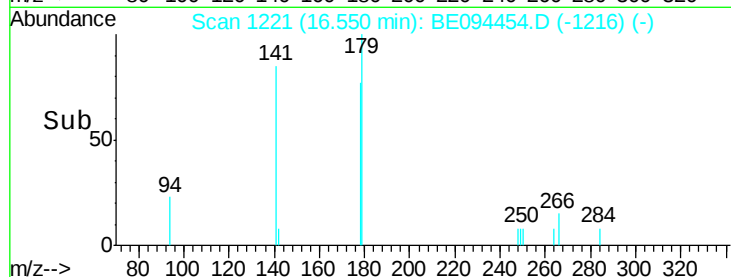
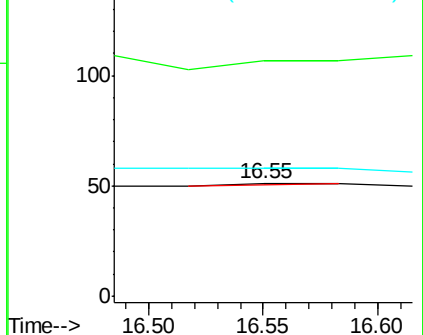
#21
Hexachlorobenzene
Concen: 0.027 ng
RT: 16.55 min Scan# 1221
Delta R.T. -0.03 min
Lab File: BE094454.D
Acq: 19 Oct 2017 19:01

Instrument :
BNA_E
ClientSampled :
3908-SPP2

Tgt Ion: 284 Resp: 2
Ion Ratio Lower Upper
284 100
142 0.0 22.1 33.1#
249 0.0 34.8 52.2#

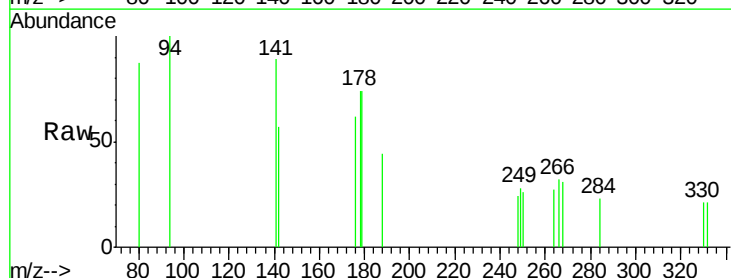


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

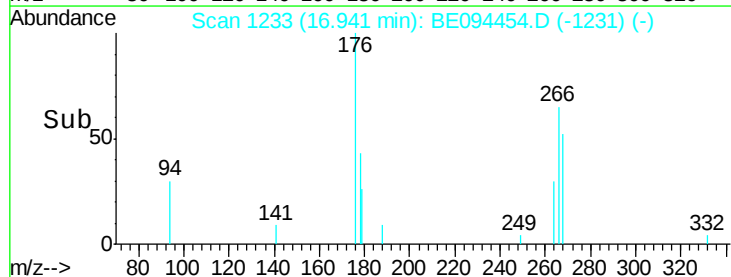
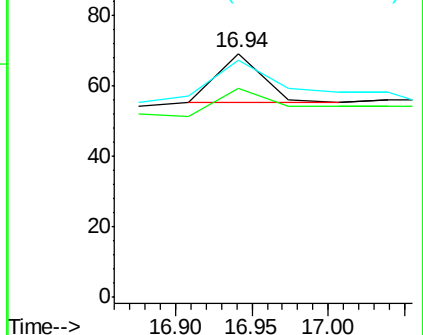


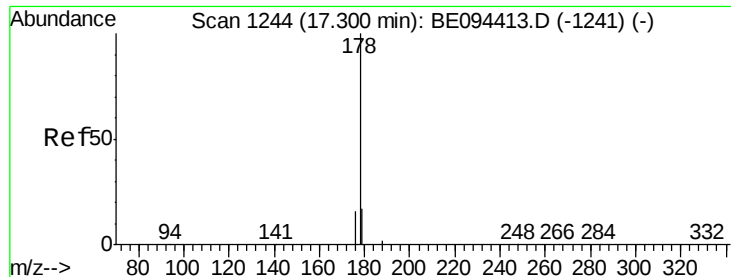
#22
Pentachlorophenol
Concen: 0.178 ng
RT: 16.94 min Scan# 1233
Delta R.T. -0.03 min
Lab File: BE094454.D
Acq: 19 Oct 2017 19:01

Tgt Ion: 266 Resp: 29
Ion Ratio Lower Upper
266 100
264 85.5 72.5 108.7
268 97.1 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

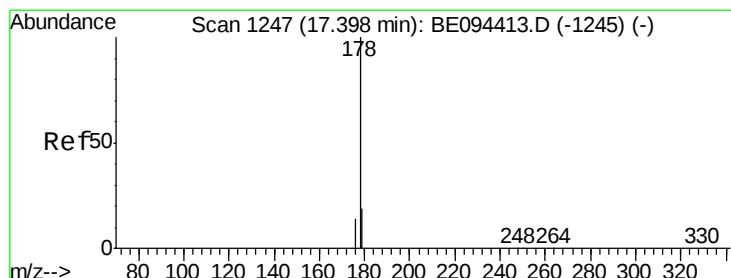
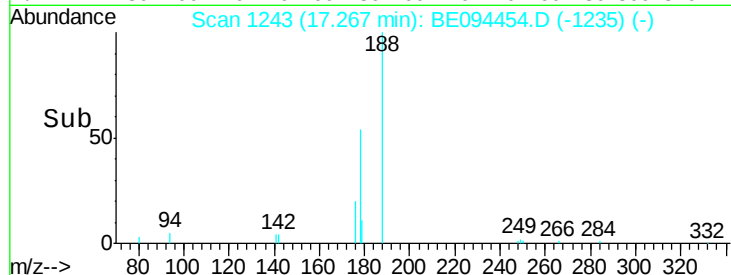
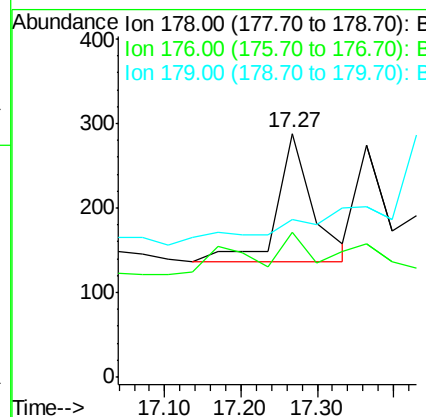
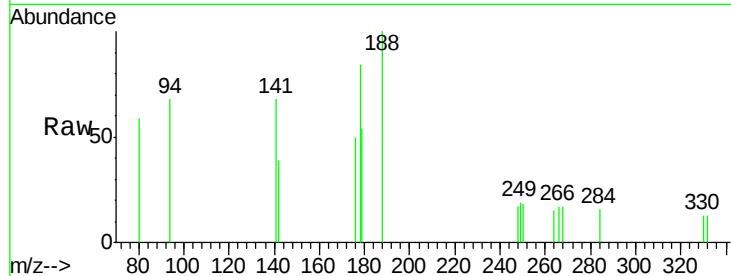




#23
Phenanthrene
Concen: 0.010 ng
RT: 17.27 min Scan# 1243
Delta R.T. -0.03 min
Lab File: BE094454.D
Acq: 19 Oct 2017 19:01

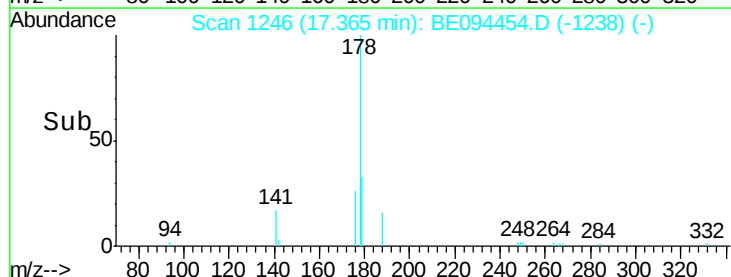
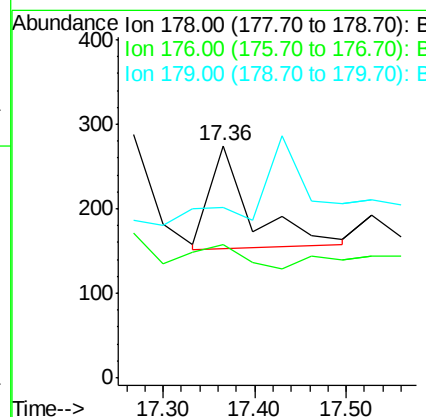
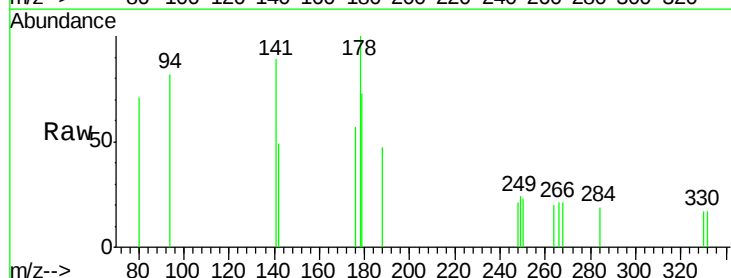
Instrument :
BNA_E
ClientSampleId :
3908-SPP2

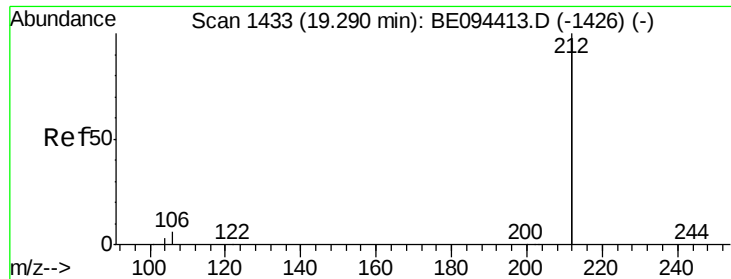
Tgt Ion:178 Resp: 491
Ion Ratio Lower Upper
178 100
176 45.8 15.1 22.7#
179 0.0 11.8 17.6#



#24
Anthracene
Concen: 0.010 ng
RT: 17.36 min Scan# 1246
Delta R.T. -0.03 min
Lab File: BE094454.D
Acq: 19 Oct 2017 19:01

Tgt Ion:178 Resp: 385
Ion Ratio Lower Upper
178 100
176 0.0 12.8 19.2#
179 0.0 13.0 19.6#

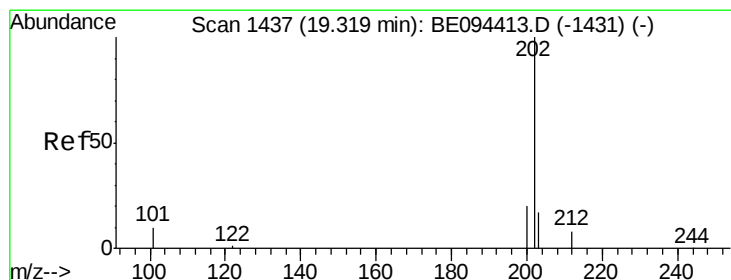
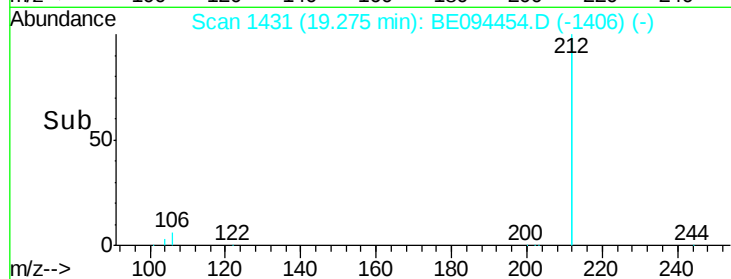
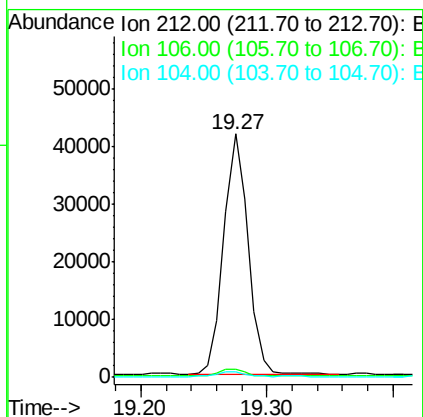
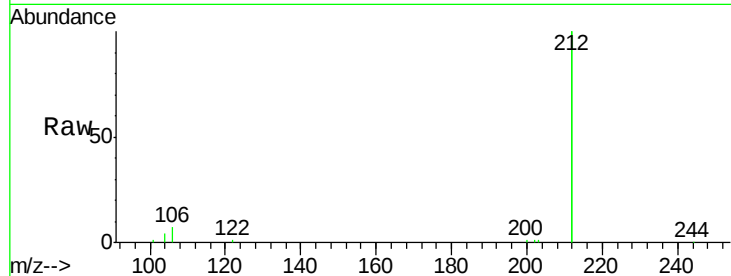




#25
 Fluoranthene-d10
 Concen: 0.270 ng
 RT: 19.27 min Scan# 1431
 Delta R.T. -0.01 min
 Lab File: BE094454.D
 Acq: 19 Oct 2017 19:01

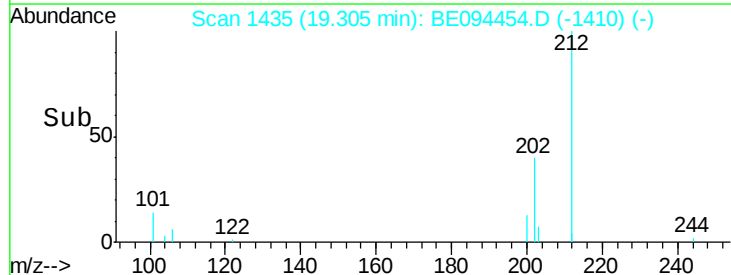
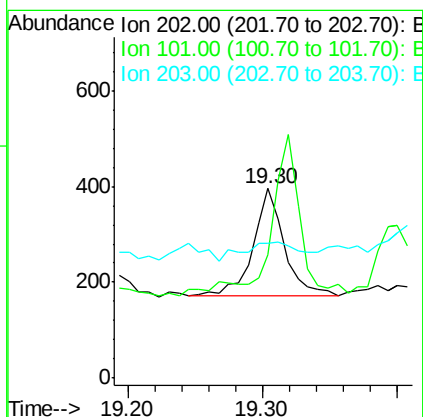
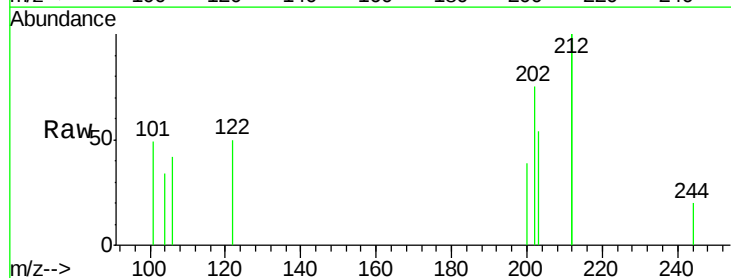
Instrument :
 BNA_E
 ClientSampled :
 3908-SPP2

Tgt Ion: 212 Resp: 55598
 Ion Ratio Lower Upper
 212 100
 106 3.5 2.8 4.2
 104 2.0 1.6 2.4



#26
 Fluoranthene
 Concen: 0.006 ng
 RT: 19.30 min Scan# 1435
 Delta R.T. -0.01 min
 Lab File: BE094454.D
 Acq: 19 Oct 2017 19:01

Tgt Ion: 202 Resp: 365
 Ion Ratio Lower Upper
 202 100
 101 115.9 9.8 14.8#
 203 31.2 13.7 20.5#





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.42 min Scan# 1654

Delta R.T. -0.01 min

Lab File: BE094454.D

Acq: 19 Oct 2017 19:01

Instrument :

BNA_E

ClientSampleId :

3908-SPP2

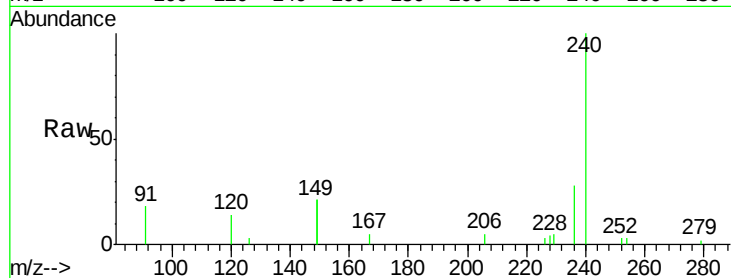
Tgt Ion:240 Resp: 10529

Ion Ratio Lower Upper

240 100

120 13.7 5.5 8.3#

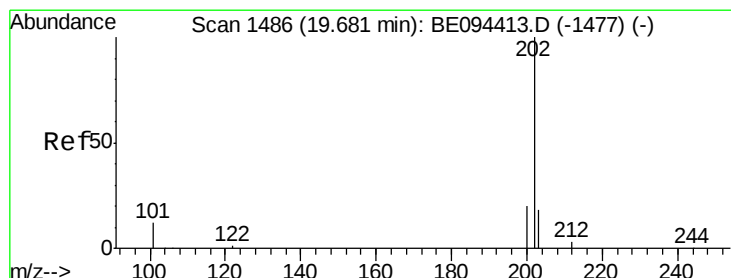
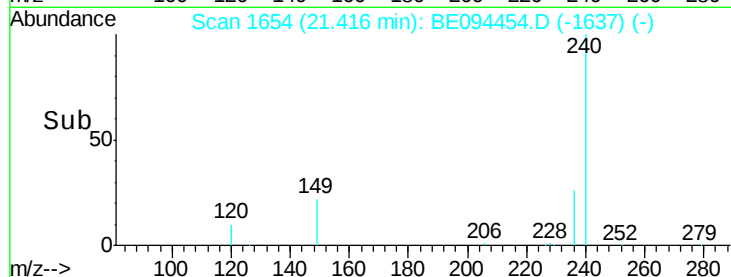
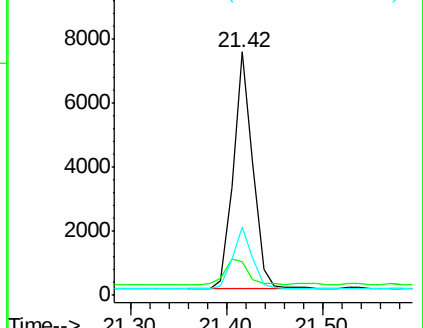
236 28.0 20.7 31.1



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: 0.010 ng

RT: 19.67 min Scan# 1484

Delta R.T. -0.01 min

Lab File: BE094454.D

Acq: 19 Oct 2017 19:01

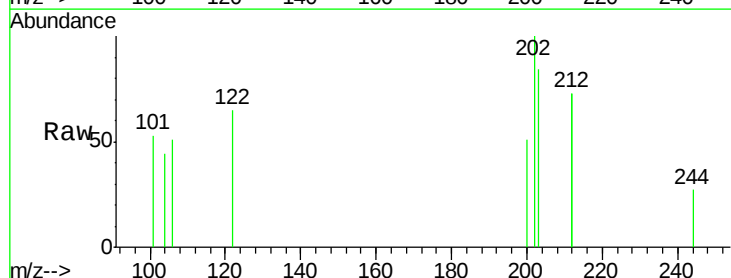
Tgt Ion:202 Resp: 402

Ion Ratio Lower Upper

202 100

200 19.7 16.6 25.0

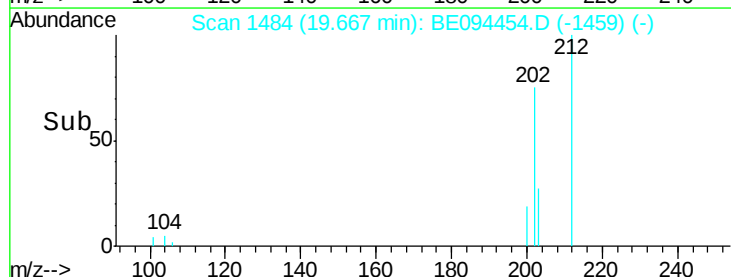
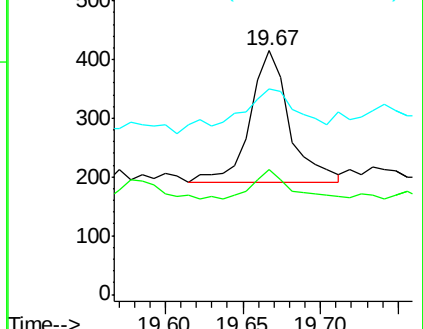
203 52.0 13.8 20.8#

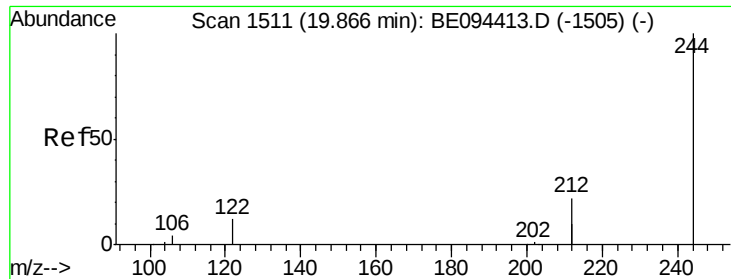


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.651 ng

RT: 19.85 min Scan# 1509

Delta R.T. -0.01 min

Lab File: BE094454.D

Acq: 19 Oct 2017 19:01

Instrument :

BNA_E

ClientSampleId :

3908-SPP2

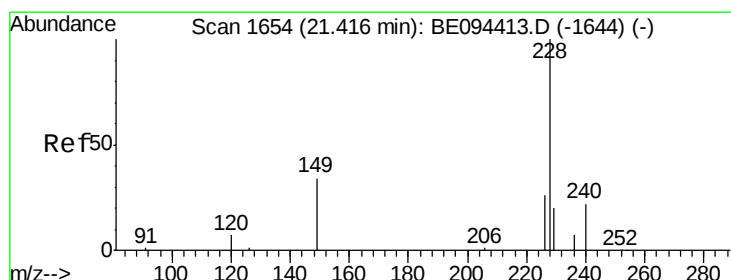
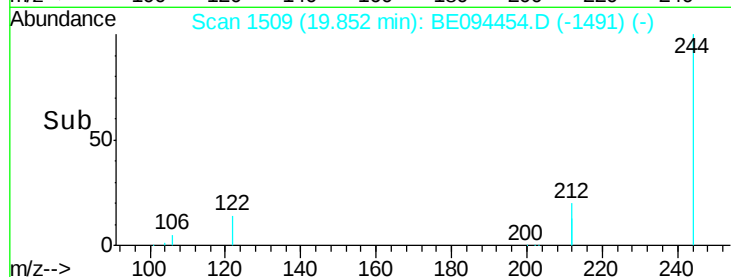
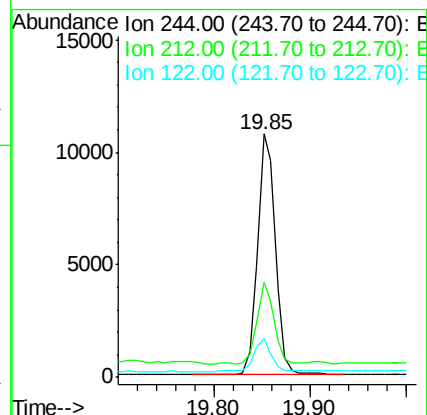
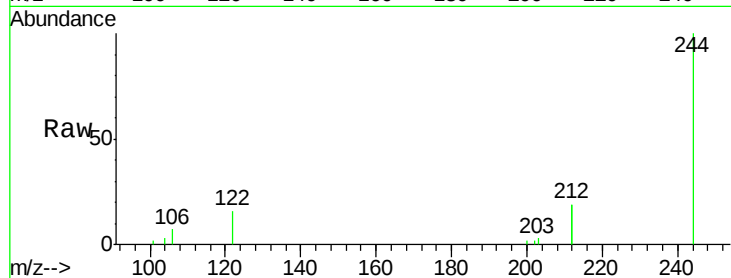
Tgt Ion:244 Resp: 13835

Ion Ratio Lower Upper

244 100

212 39.0 25.4 38.0#

122 15.8 8.1 12.1#



#30

Benzo(a)anthracene

Concen: 0.007 ng

RT: 21.41 min Scan# 1653

Delta R.T. -0.01 min

Lab File: BE094454.D

Acq: 19 Oct 2017 19:01

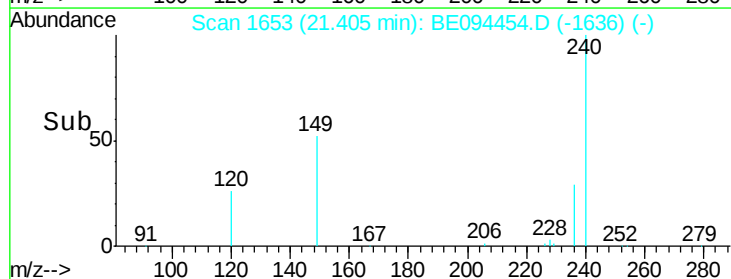
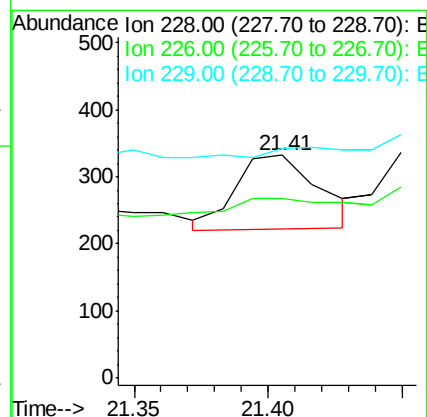
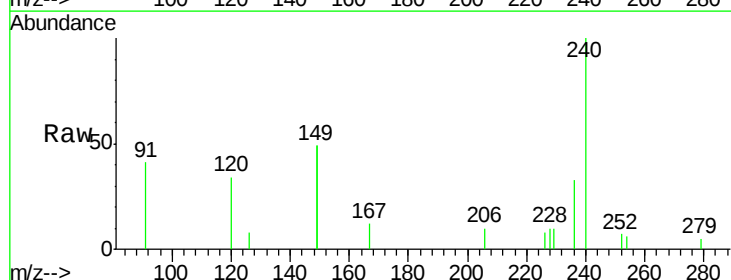
Tgt Ion:228 Resp: 241

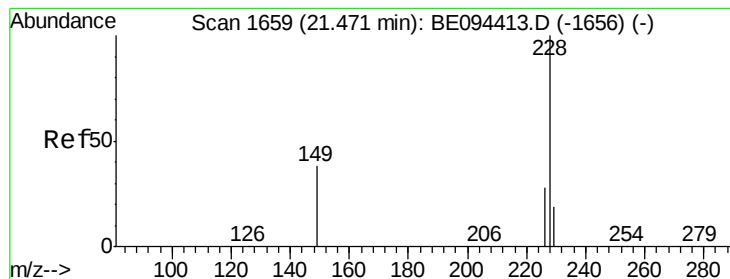
Ion Ratio Lower Upper

228 100

226 80.7 40.0 60.0#

229 103.0 40.0 60.0#





#31

Chrysene

Concen: 0.006 ng

RT: 21.46 min Scan# 1658

Delta R.T. -0.01 min

Lab File: BE094454.D

Acq: 19 Oct 2017 19:01

Instrument :

BNA_E

ClientSampleId :

3908-SPP2

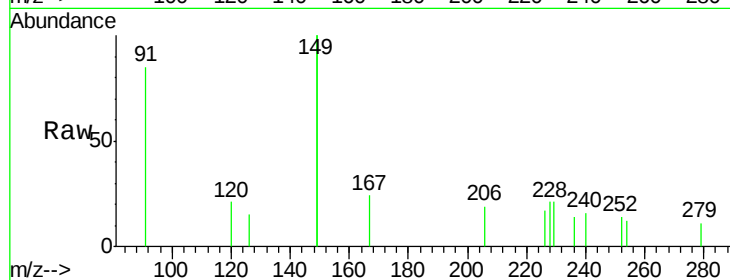
Tgt Ion: 228 Resp: 224

Ion Ratio Lower Upper

228 100

226 80.2 40.0 60.0#

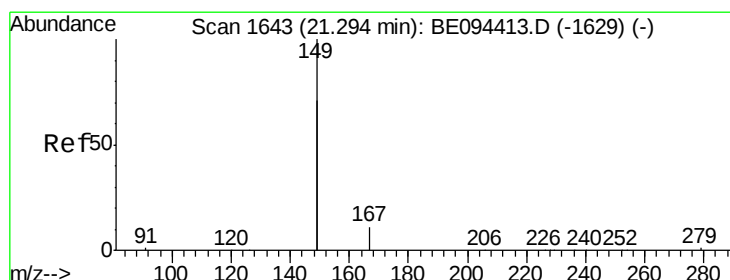
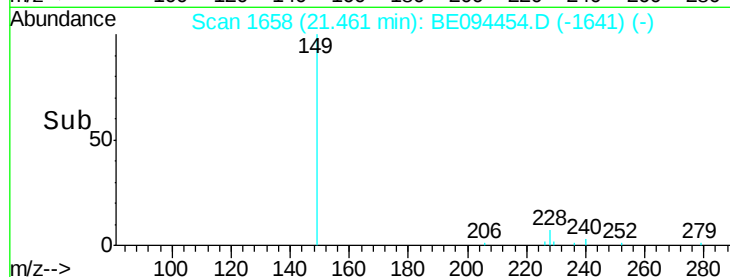
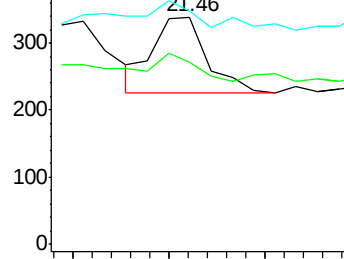
229 102.4 40.0 60.0#



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: 0.061 ng

RT: 21.28 min Scan# 1642

Delta R.T. -0.01 min

Lab File: BE094454.D

Acq: 19 Oct 2017 19:01

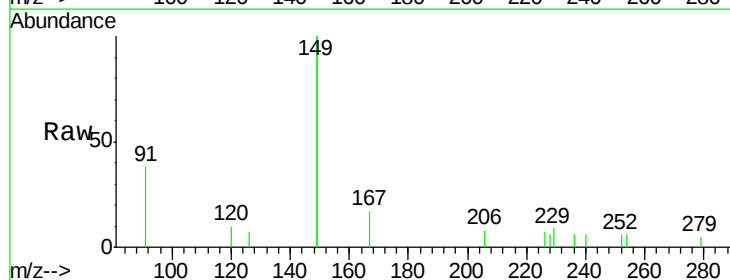
Tgt Ion: 149 Resp: 6433

Ion Ratio Lower Upper

149 100

167 7.5 5.4 8.0

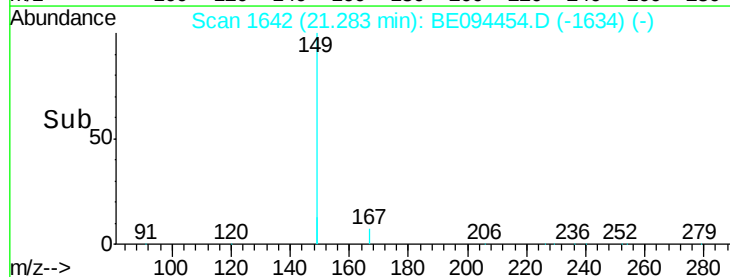
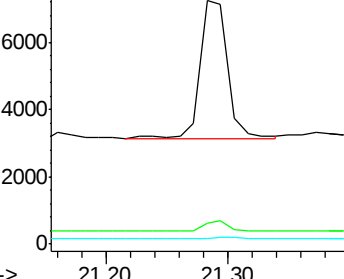
279 1.4 0.7 1.1#

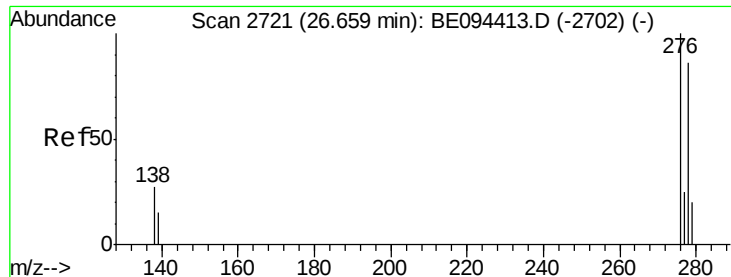


Abundance Ion 149.00 (148.70 to 149.70): E

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: 26.63 min Scan# 2714

Delta R.T. -0.03 min

Lab File: BE094454.D

Acq: 19 Oct 2017 19:01

Instrument :

BNA_E

ClientSampleId :

3908-SPP2

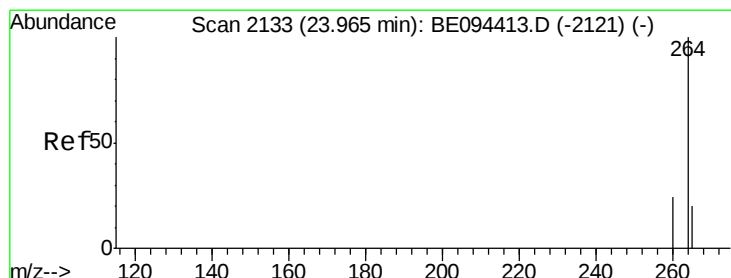
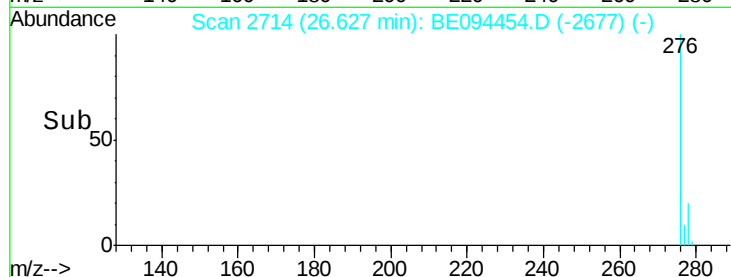
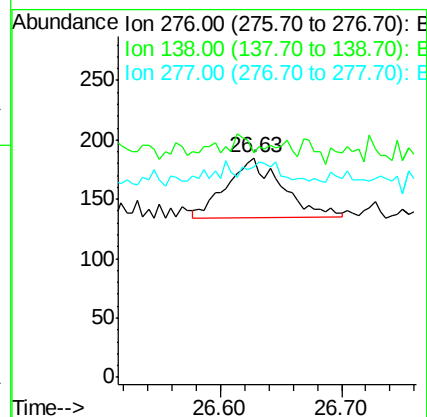
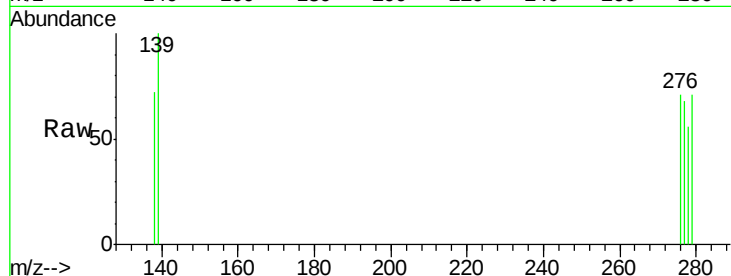
Tgt Ion:276 Resp: 160

Ion Ratio Lower Upper

276 100

138 0.0 22.5 33.7#

277 20.0 19.9 29.9



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.94 min Scan# 2128

Delta R.T. -0.02 min

Lab File: BE094454.D

Acq: 19 Oct 2017 19:01

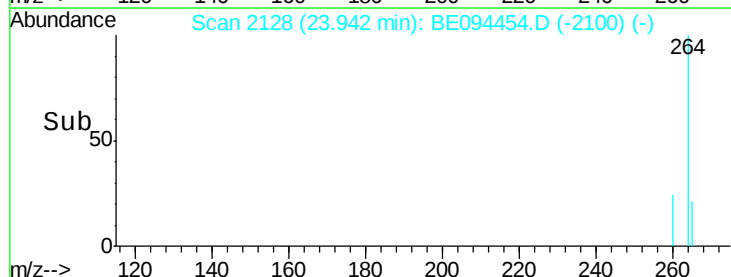
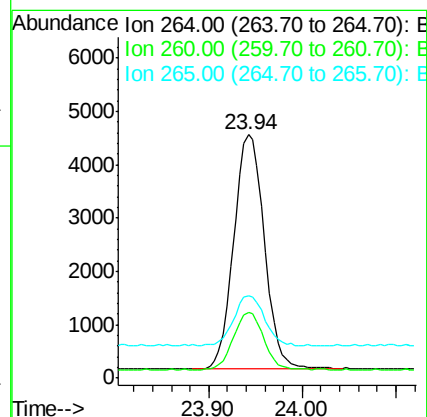
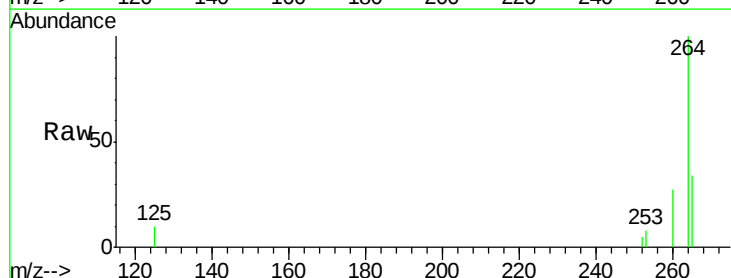
Tgt Ion:264 Resp: 9939

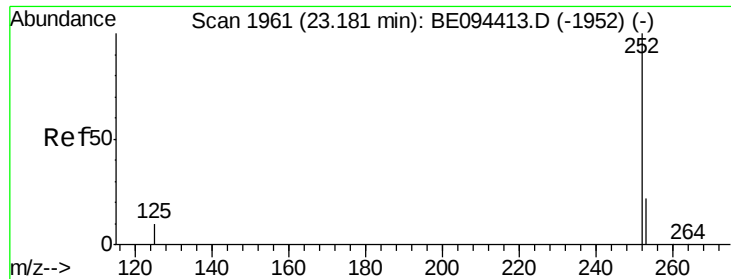
Ion Ratio Lower Upper

264 100

260 26.8 20.5 30.7

265 33.9 22.8 34.2





#35

Benzo(b)fluoranthene

Concen: 0.008 ng

RT: 23.17 min Scan# 1959

Delta R.T. -0.01 min

Lab File: BE094454.D

Acq: 19 Oct 2017 19:01

Instrument :

BNA_E

ClientSampleId :

3908-SPP2

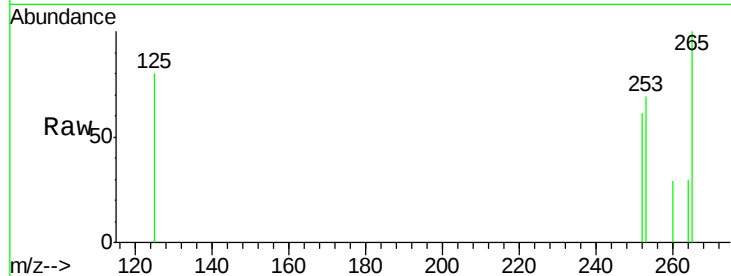
Tgt Ion:252 Resp: 274

Ion Ratio Lower Upper

252 100

253 112.5 48.0 72.0#

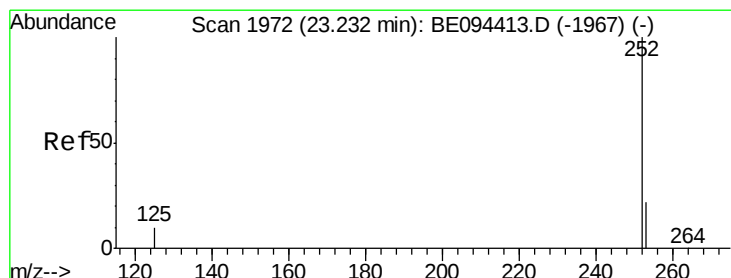
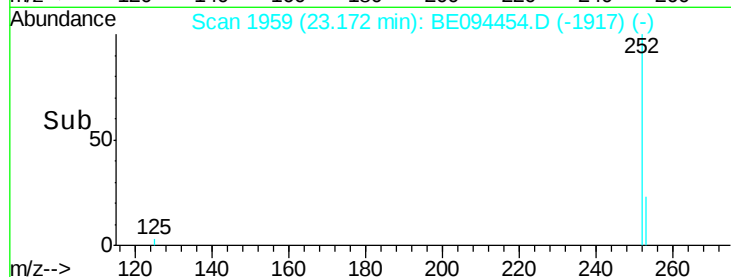
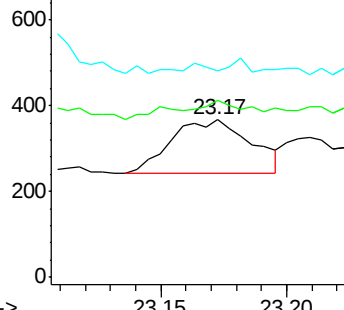
125 131.3 56.0 84.0#



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: 0.003 ng

RT: 23.21 min Scan# 1967

Delta R.T. -0.02 min

Lab File: BE094454.D

Acq: 19 Oct 2017 19:01

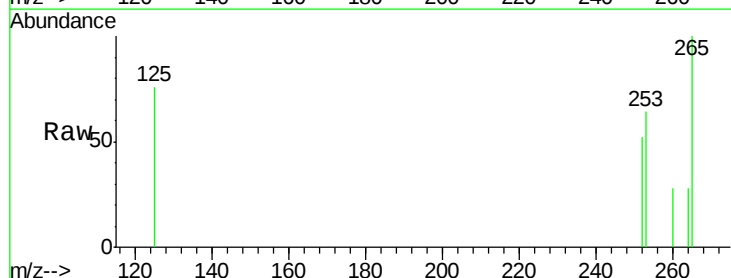
Tgt Ion:252 Resp: 115

Ion Ratio Lower Upper

252 100

253 121.8 48.0 72.0#

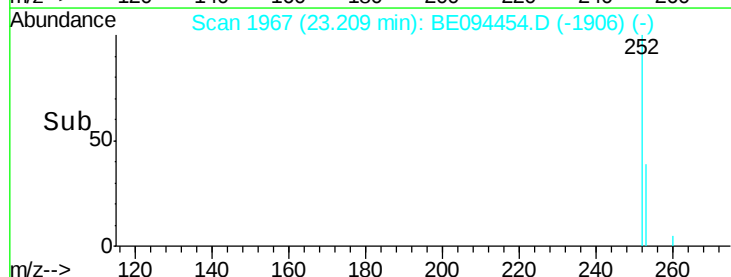
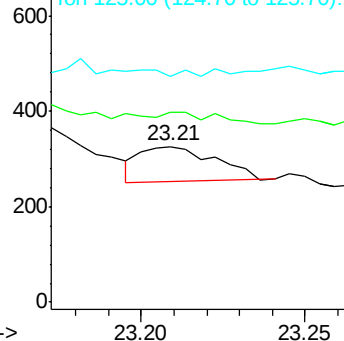
125 145.1 56.0 84.0#

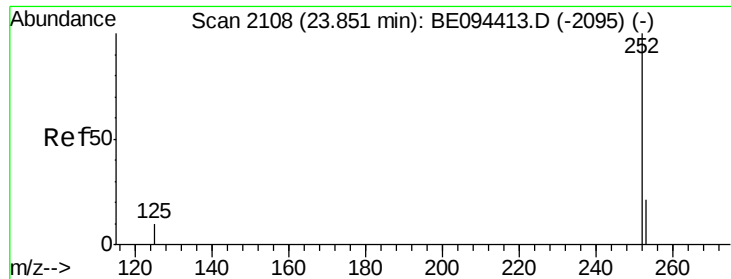


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.004 ng

RT: 23.83 min Scan# 2104

Delta R.T. -0.02 min

Lab File: BE094454.D

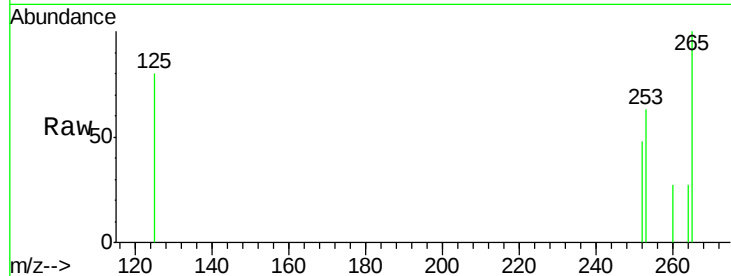
Acq: 19 Oct 2017 19:01

Instrument :

BNA_E

ClientSampleId :

3908-SPP2



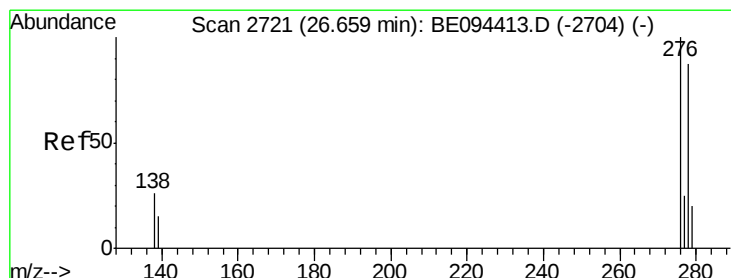
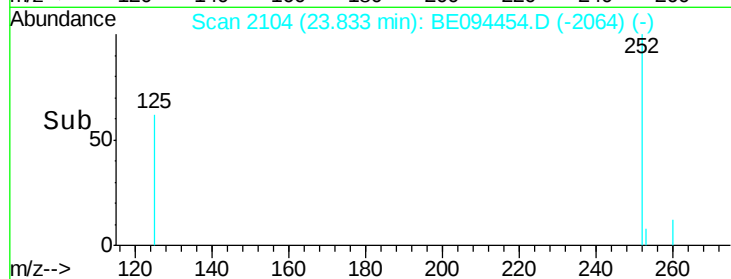
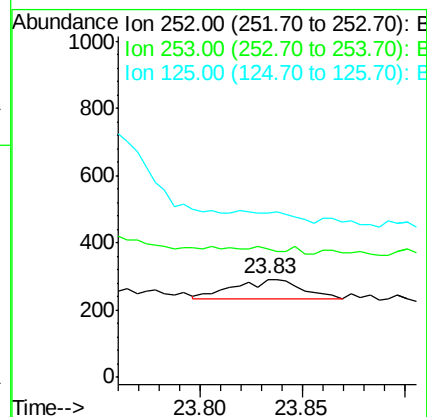
Tgt Ion: 252 Resp: 127

Ion Ratio Lower Upper

252 100

253 131.6 52.0 78.0#

125 168.4 68.0 102.0#



#38

Dibenzo(a,h)anthracene

Concen: 0.003 ng

RT: 26.63 min Scan# 2715

Delta R.T. -0.03 min

Lab File: BE094454.D

Acq: 19 Oct 2017 19:01

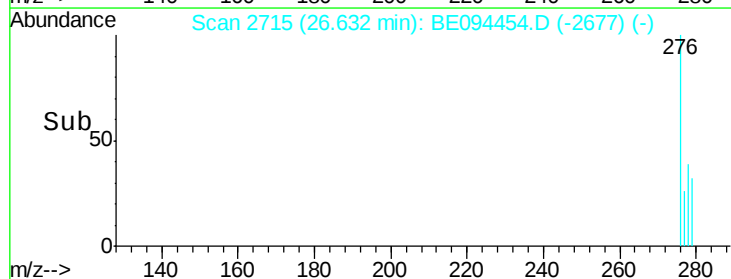
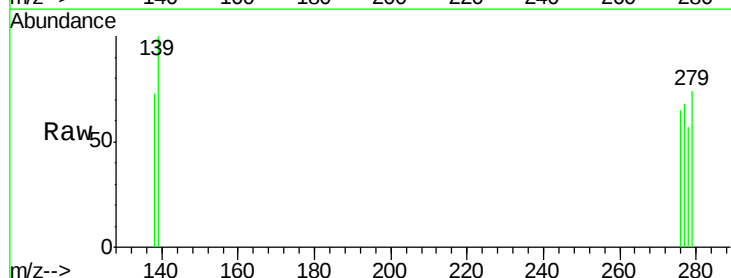
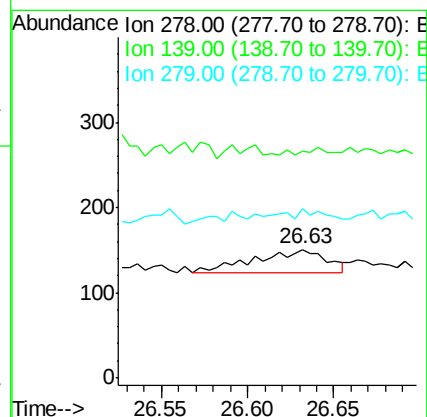
Tgt Ion: 278 Resp: 75

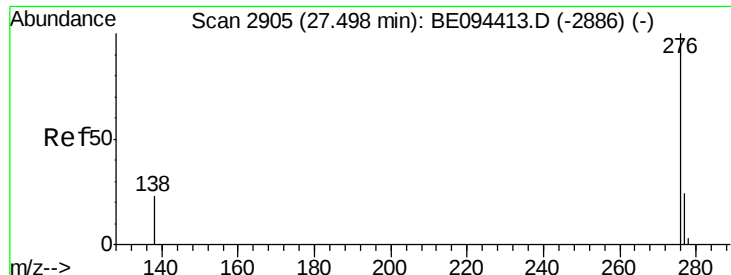
Ion Ratio Lower Upper

278 100

139 176.2 56.0 84.0#

279 131.1 52.0 78.0#





#39

Benzo(g,h,i)perylene

Concen: 0.003 ng

RT: 27.46 min Scan# 2896

Delta R.T. -0.04 min

Lab File: BE094454.D

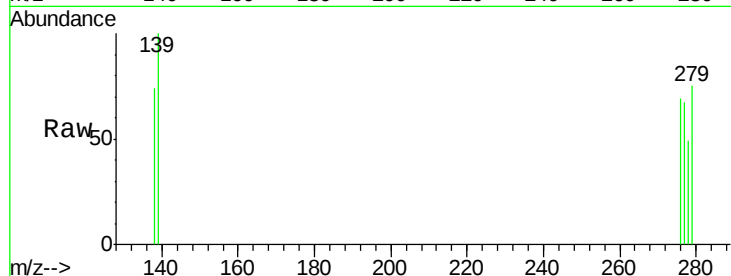
Acq: 19 Oct 2017 19:01

Instrument :

BNA_E

ClientSampleId :

3908-SPP2



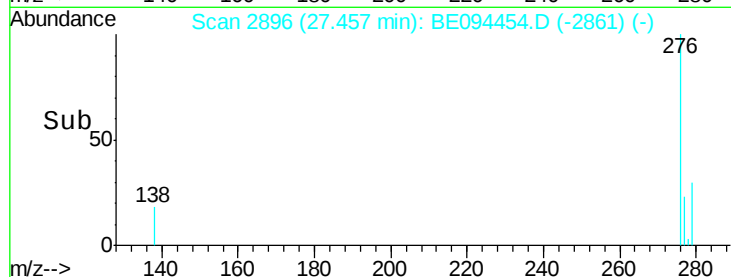
Tgt Ion: 276 Resp: 76

Ion Ratio Lower Upper

276 100

277 97.1 52.0 78.0#

138 108.0 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

