

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE101917\
 Data File : BE094453.D
 Acq On : 19 Oct 2017 18:25
 Operator : SJ/JU
 Sample : I5819-06
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 3907-SPP1

Quant Time: Oct 20 12:41:59 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	1397	0.40	ng	-0.01
7) Naphthalene-d8	10.69	136	7251	0.40	ng	-0.02
13) Acenaphthene-d10	14.51	164	4293	0.40	ng	-0.01
19) Phenanthrene-d10	17.24	188	12785	0.40	ng	-0.03
27) Chrysene-d12	21.42	240	10022	0.40	ng	-0.01
34) Perylene-d12	23.94	264	9478	0.40	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.52	112	953	0.20	ng	0.00
5) Phenol-d6	7.13	99	840	0.11	ng	0.00
8) Nitrobenzene-d5	9.06	82	3214	0.51	ng	-0.02
11) 2-Methylnaphthalene-d10	12.28	152	5446	0.49	ng	-0.01
14) 2,4,6-Tribromophenol	16.03	330	616	0.38	ng	0.00
15) 2-Fluorobiphenyl	13.13	172	8202	0.54	ng	-0.01
25) Fluoranthene-d10	19.27	212	57846	0.28	ng	-0.02
29) Terphenyl-d14	19.86	244	12625	0.62	ng	0.00

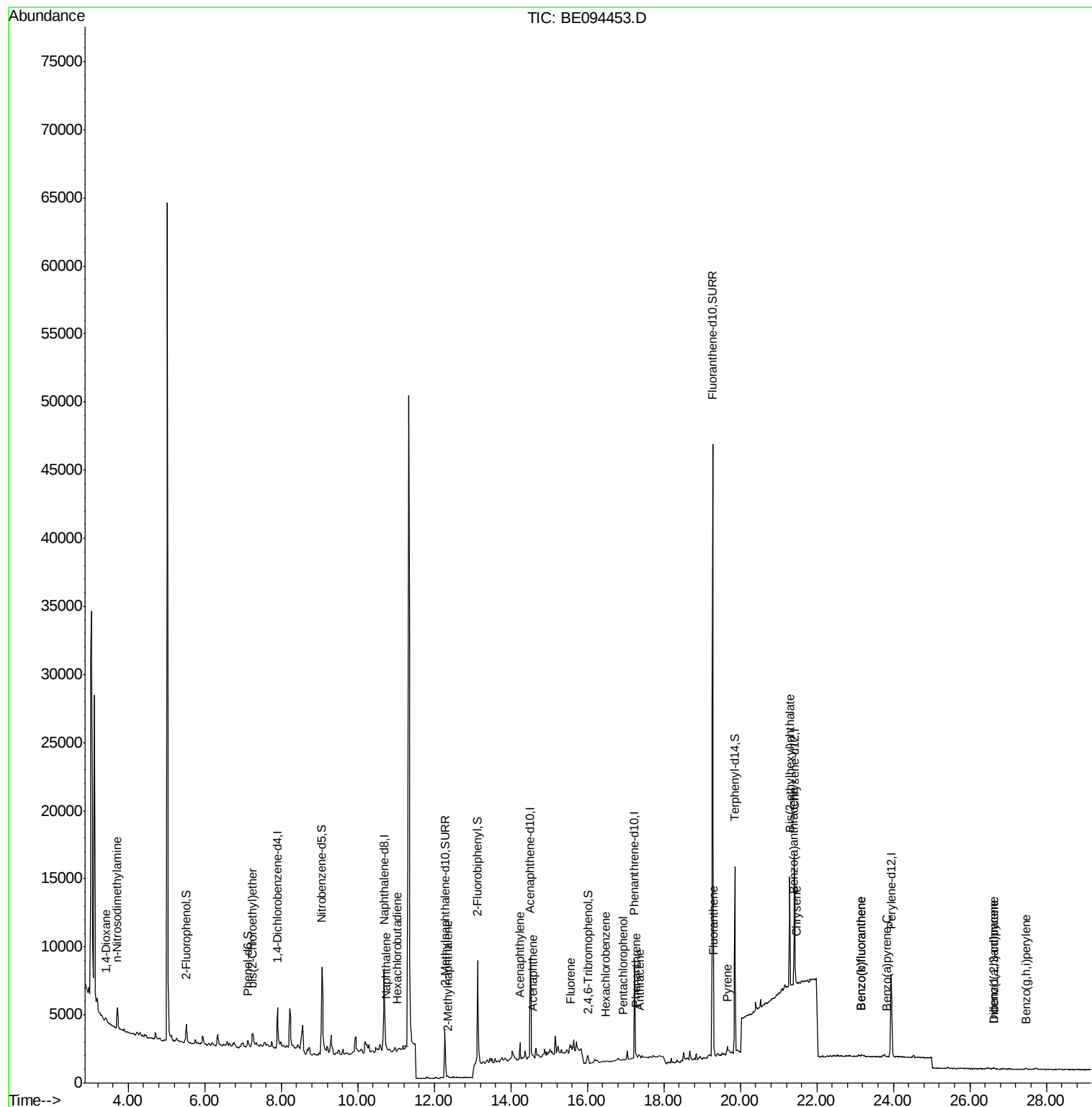
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.43	88	304	0.064	ng	# 39
3) n-Nitrosodimethylamine	3.71	42	185	0.076	ng	# 1
6) bis(2-Chloroethyl)ether	7.25	93	2213	0.406	ng	# 1
9) Naphthalene	10.74	128	616	0.008	ng	# 72
10) Hexachlorobutadiene	11.04	225	1	0.000	ng	# 17
12) 2-Methylnaphthalene	12.35	142	84	0.006	ng	# 45
16) Acenaphthylene	14.24	152	231	0.010	ng	# 84
17) Acenaphthene	14.57	154	72	0.005	ng	# 39
18) Fluorene	15.56	166	158	0.008	ng	# 1
21) Hexachlorobenzene	16.49	284	6	0.027	ng	# 38
22) Pentachlorophenol	16.94	266	41	0.187	ng	# 96
23) Phenanthrene	17.27	178	552	0.011	ng	# 61
24) Anthracene	17.37	178	448	0.012	ng	# 80
26) Fluoranthene	19.30	202	461	0.007	ng	# 85
28) Pyrene	19.67	202	548	0.014	ng	# 85
30) Benzo(a)anthracene	21.40	228	267	0.008	ng	# 44
31) Chrysene	21.46	228	209	0.006	ng	# 45
32) Bis(2-ethylhexyl)phthalate	21.29	149	9462	0.095	ng	# 99
33) Indeno(1,2,3-cd)pyrene	26.63	276	102	0.003	ng	# 52
35) Benzo(b)fluoranthene	23.17	252	230	0.007	ng	# 32
36) Benzo(k)fluoranthene	23.17	252	230	0.007	ng	# 32
37) Benzo(a)pyrene	23.83	252	96	0.003	ng	# 8
38) Dibenzo(a,h)anthracene	26.63	278	41	0.001	ng	# 1
39) Benzo(g,h,i)perylene	27.47	276	46	0.002	ng	# 34

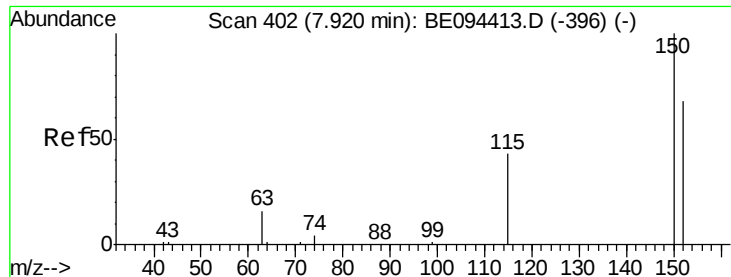
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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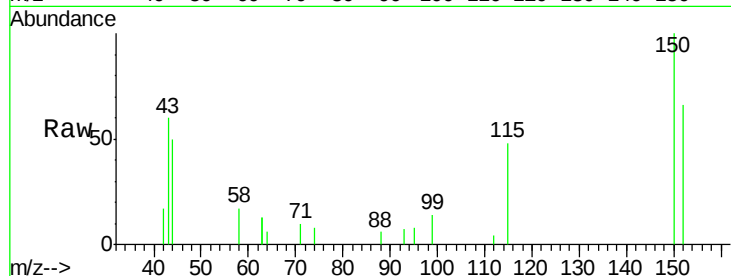


#1

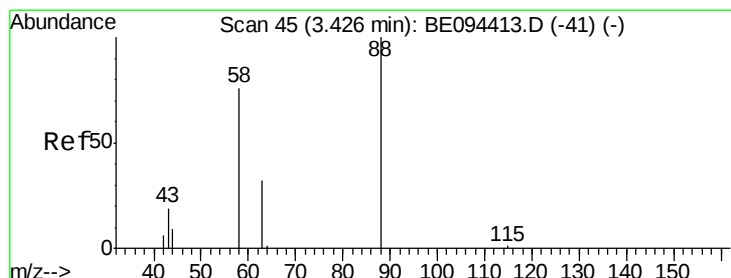
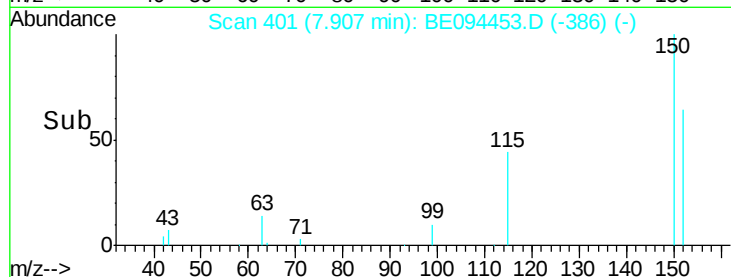
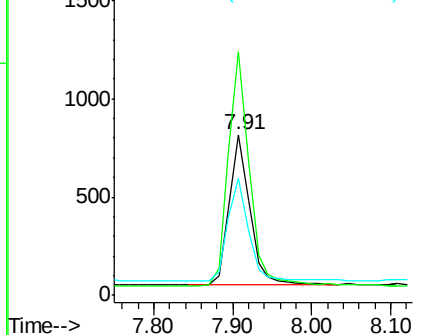
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.91 min Scan# 401
Delta R.T. -0.01 min
Lab File: BE094453.D
Acq: 19 Oct 2017 18:25

Instrument :
BNA_E
ClientSampleId :
3907-SPP1

Tgt Ion: 152 Resp: 1397
Ion Ratio Lower Upper
152 100
150 151.5 117.2 175.8
115 72.8 57.0 85.6



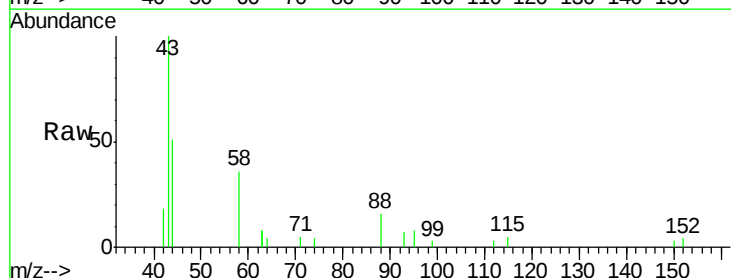
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



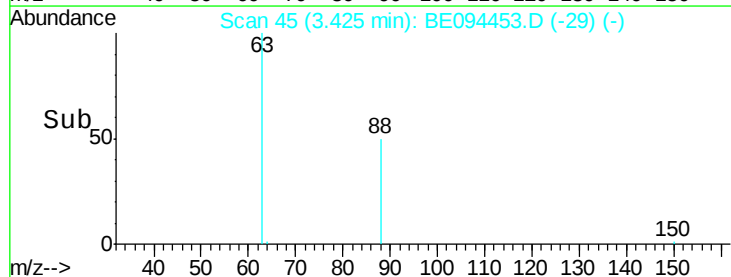
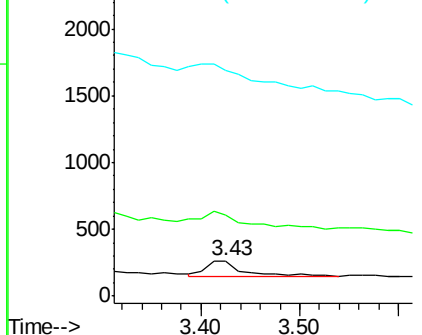
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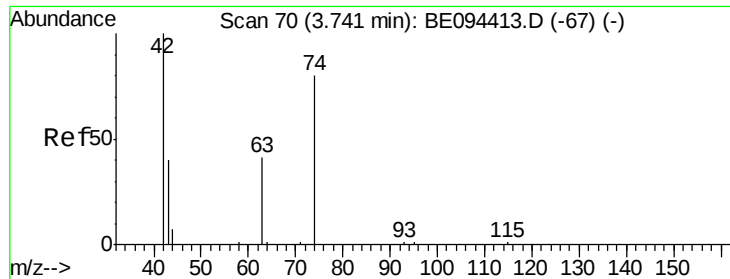
1,4-Dioxane
Concen: 0.064 ng
RT: 3.43 min Scan# 45
Delta R.T. 0.00 min
Lab File: BE094453.D
Acq: 19 Oct 2017 18:25

Tgt Ion: 88 Resp: 304
Ion Ratio Lower Upper
88 100
58 125.3 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



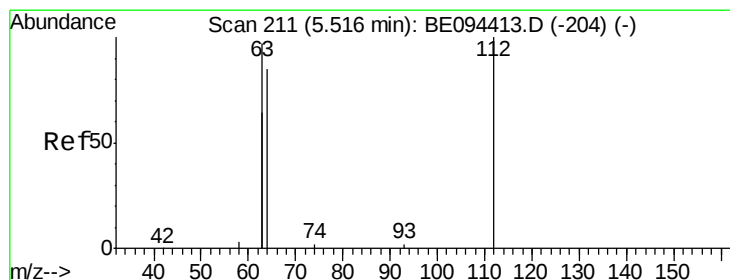
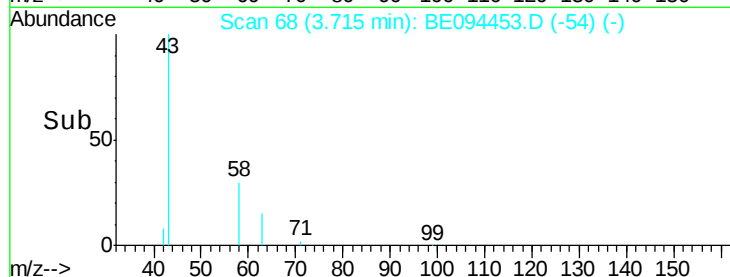
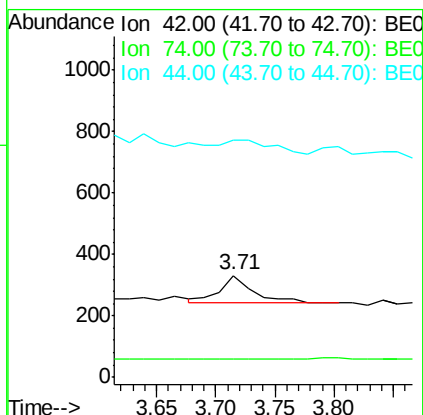
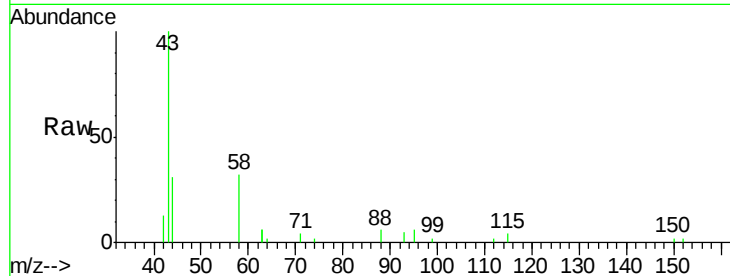


#3

n-Nitrosodimethylamine
 Concen: 0.076 ng
 RT: 3.71 min Scan# 68
 Delta R.T. -0.03 min
 Lab File: BE094453.D
 Acq: 19 Oct 2017 18:25

Instrument :
 BNA_E
 ClientSampled :
 3907-SPP1

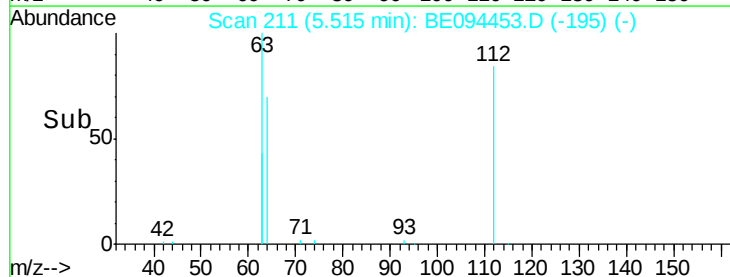
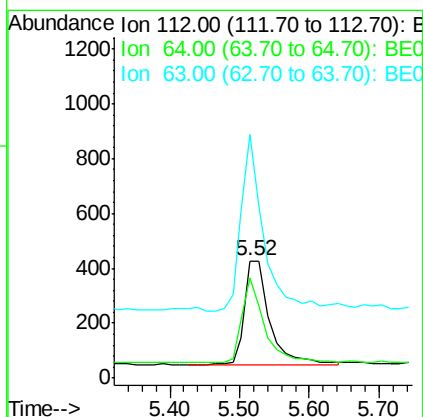
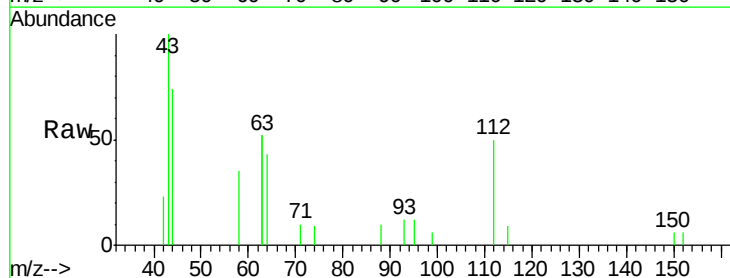
Tgt Ion: 42 Resp: 185
 Ion Ratio Lower Upper
 42 100
 74 2.7 100.3 150.5#
 44 61.1 17.0 25.4#

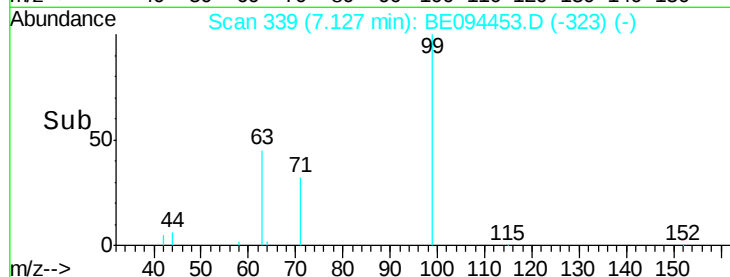
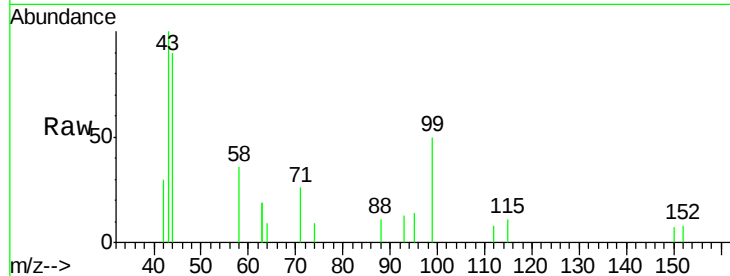
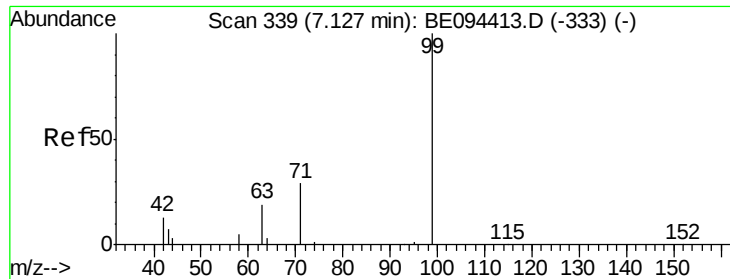


#4

2-Fluorophenol
 Concen: 0.202 ng
 RT: 5.52 min Scan# 211
 Delta R.T. -0.00 min
 Lab File: BE094453.D
 Acq: 19 Oct 2017 18:25

Tgt Ion: 112 Resp: 953
 Ion Ratio Lower Upper
 112 100
 64 72.4 60.1 90.1
 63 151.2 116.8 175.2





#5

Phenol-d6

Concen: 0.114 ng

RT: 7.13 min Scan# 339

Delta R.T. -0.00 min

Lab File: BE094453.D

Acq: 19 Oct 2017 18:25

Instrument :

BNA_E

ClientSampleId :

3907-SPP1

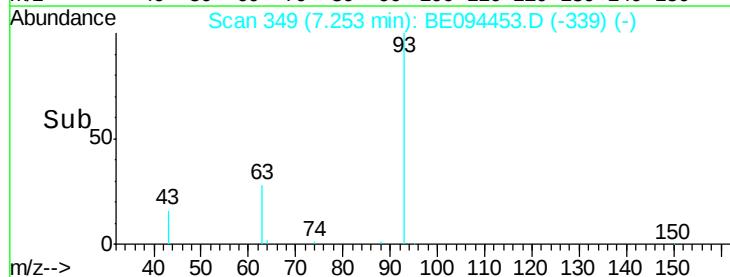
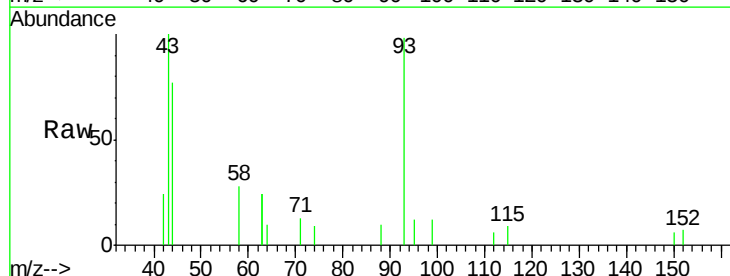
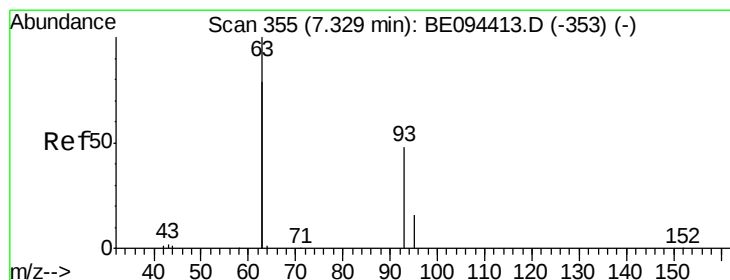
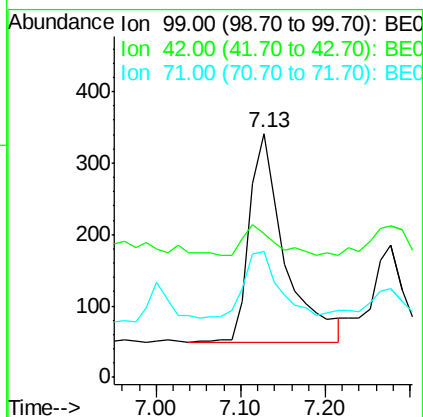
Tgt Ion: 99 Resp: 840

Ion Ratio Lower Upper

99 100

42 12.9 20.2 30.2#

71 31.4 28.4 42.6



#6

bis(2-Chloroethyl)ether

Concen: 0.406 ng

RT: 7.25 min Scan# 349

Delta R.T. -0.08 min

Lab File: BE094453.D

Acq: 19 Oct 2017 18:25

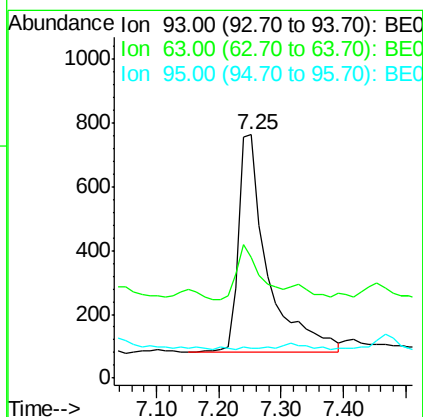
Tgt Ion: 93 Resp: 2213

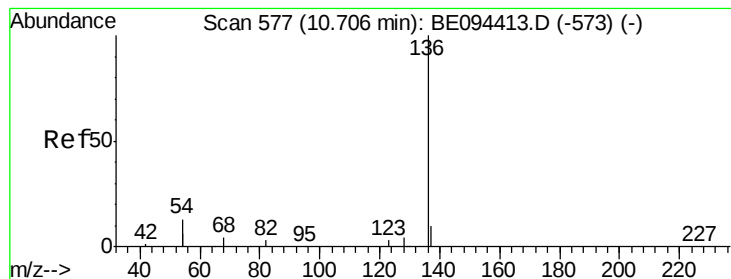
Ion Ratio Lower Upper

93 100

63 20.5 275.3 412.9#

95 0.5 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: BE094453.D

Acq: 19 Oct 2017 18:25

Instrument :

BNA_E

ClientSampleId :

3907-SPP1

Tgt Ion: 136 Resp: 7251

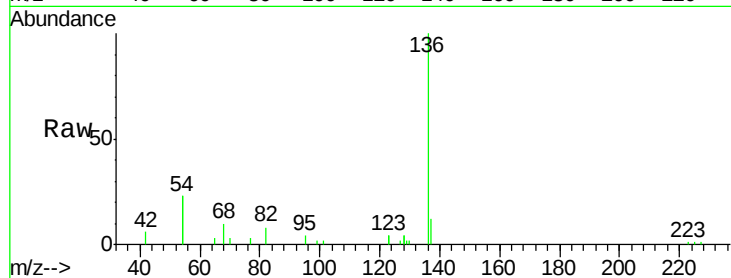
Ion Ratio Lower Upper

136 100

137 12.0 9.5 14.3

54 45.8 29.1 43.7#

68 9.6 6.2 9.2#

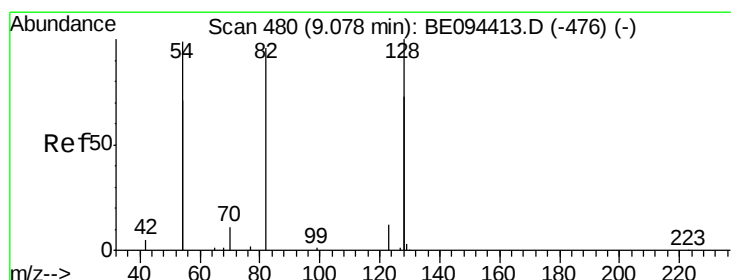
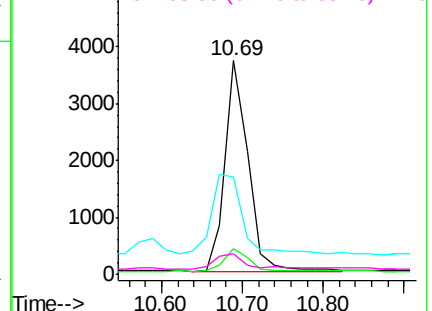
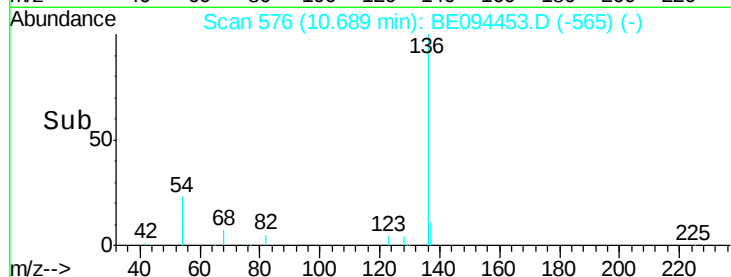


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



#8

Nitrobenzene-d5

Concen: 0.510 ng

RT: 9.06 min Scan# 479

Delta R.T. -0.02 min

Lab File: BE094453.D

Acq: 19 Oct 2017 18:25

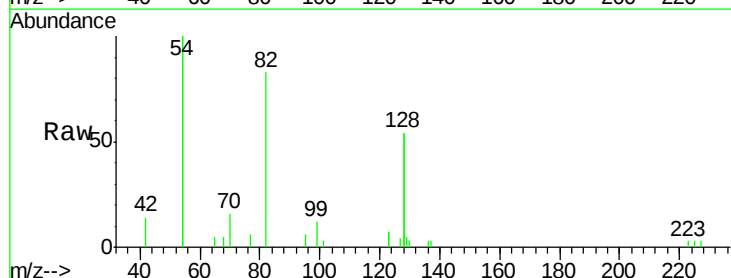
Tgt Ion: 82 Resp: 3214

Ion Ratio Lower Upper

82 100

128 131.1 150.0 225.0#

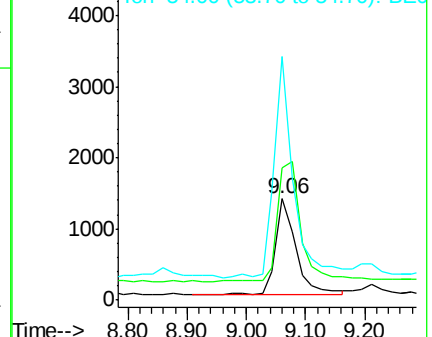
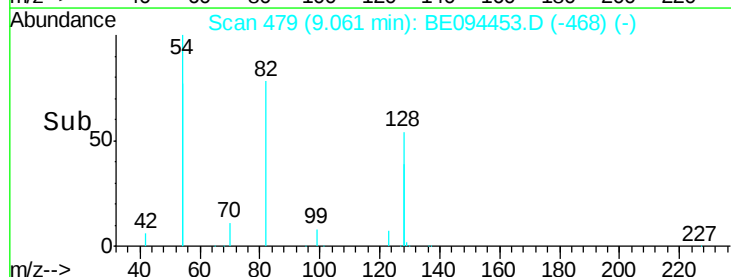
54 240.6 154.2 231.4#

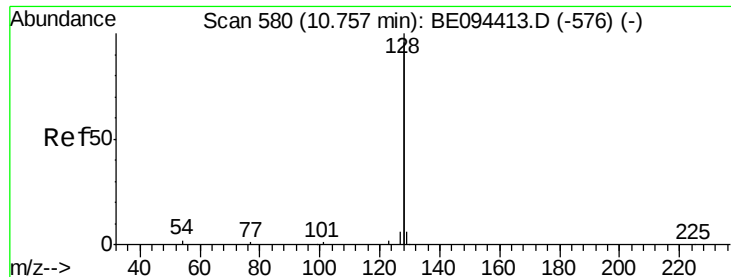


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.008 ng

RT: 10.74 min Scan# 579

Delta R.T. -0.02 min

Lab File: BE094453.D

Acq: 19 Oct 2017 18:25

Instrument :

BNA_E

ClientSampleId :

3907-SPP1

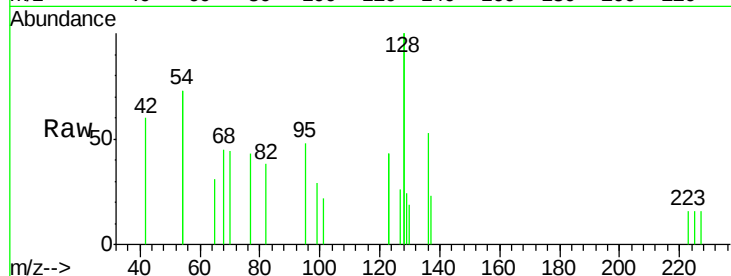
Tgt Ion:128 Resp: 616

Ion Ratio Lower Upper

128 100

129 12.2 2.6 3.8#

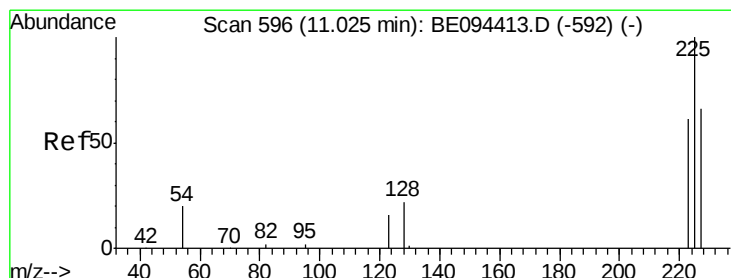
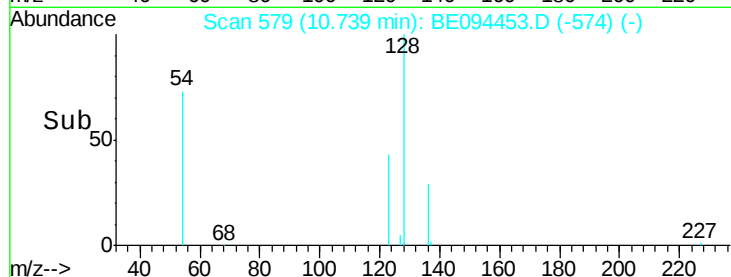
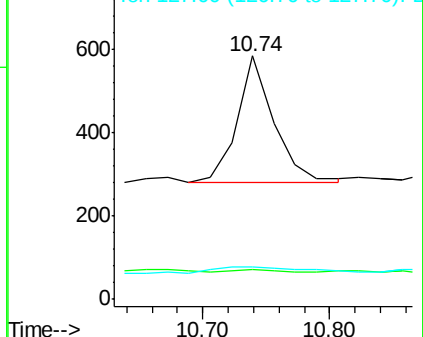
127 13.2 2.8 4.2#



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: 0.000 ng

RT: 11.04 min Scan# 597

Delta R.T. 0.02 min

Lab File: BE094453.D

Acq: 19 Oct 2017 18:25

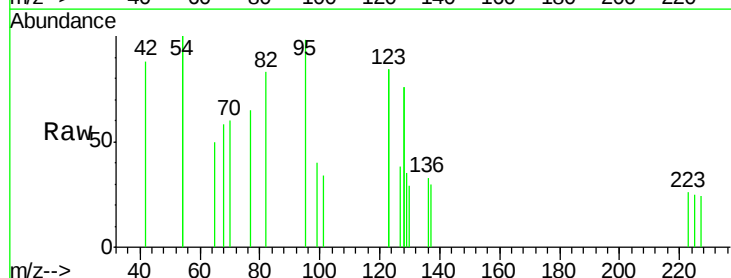
Tgt Ion:225 Resp: 1

Ion Ratio Lower Upper

225 100

223 0.0 53.0 79.6#

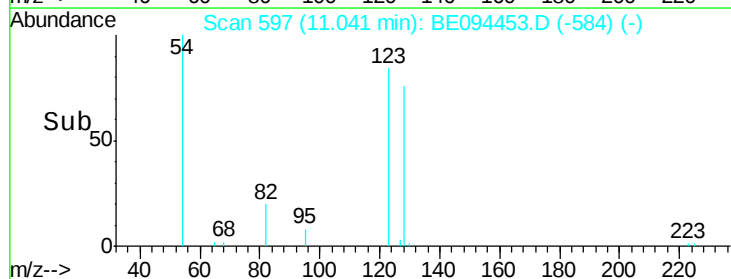
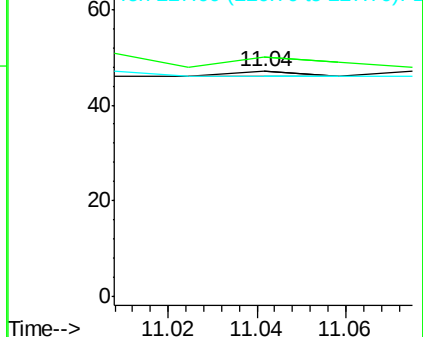
227 0.0 51.4 77.2#

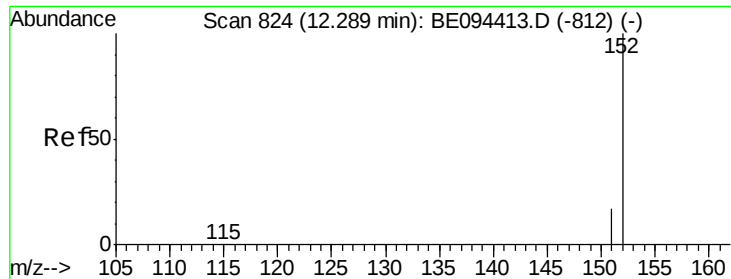


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

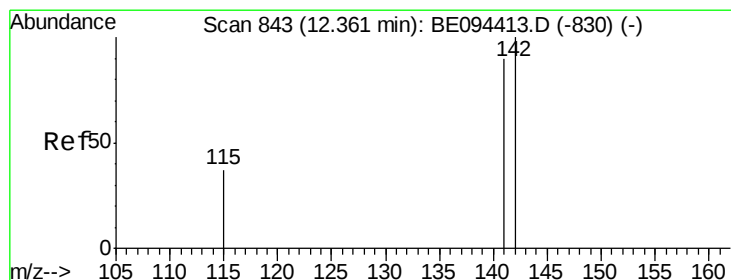
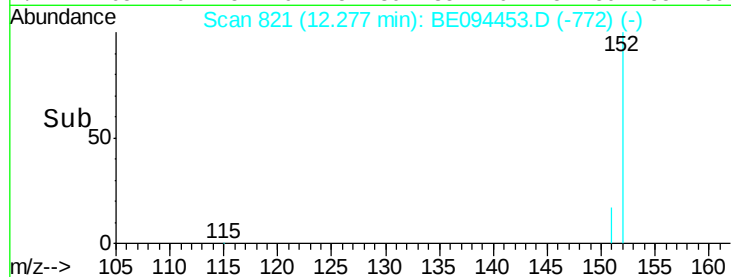
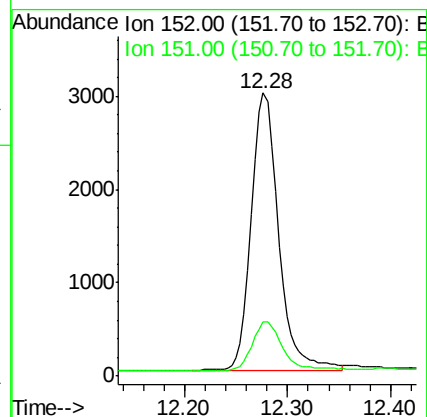
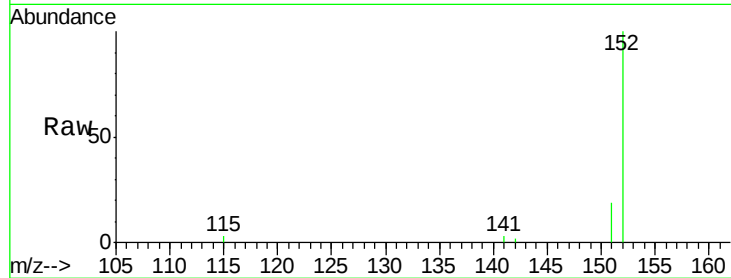




#11
 2-Methylnaphthalene-d10
 Concen: 0.487 ng
 RT: 12.28 min Scan# 821
 Delta R.T. -0.01 min
 Lab File: BE094453.D
 Acq: 19 Oct 2017 18:25

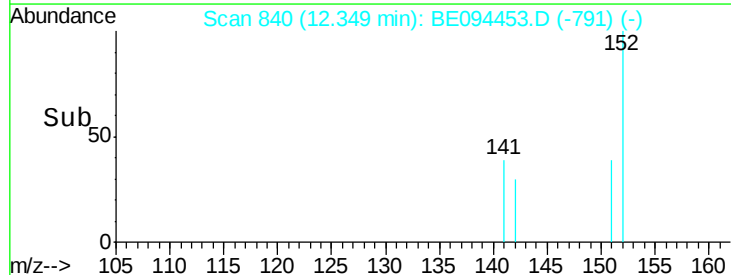
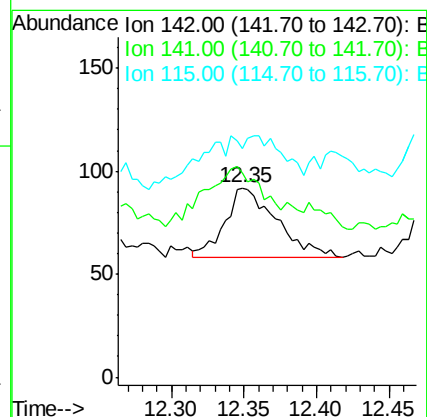
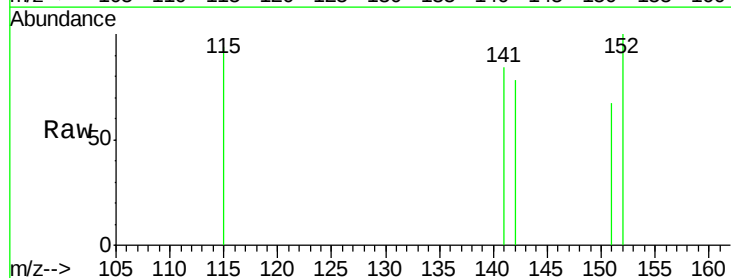
Instrument :
 BNA_E
 ClientSampleId :
 3907-SPP1

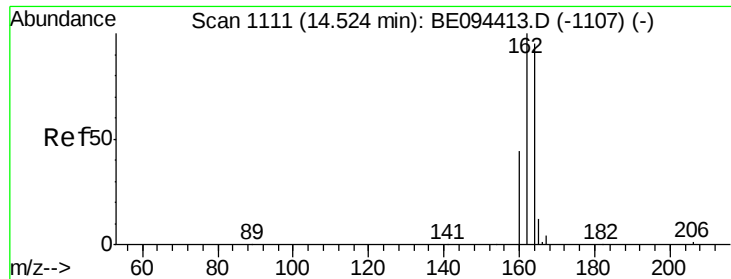
Tgt Ion:152 Resp: 5446
 Ion Ratio Lower Upper
 152 100
 151 19.5 15.4 23.0



#12
 2-Methylnaphthalene
 Concen: 0.006 ng
 RT: 12.35 min Scan# 840
 Delta R.T. -0.01 min
 Lab File: BE094453.D
 Acq: 19 Oct 2017 18:25

Tgt Ion:142 Resp: 84
 Ion Ratio Lower Upper
 142 100
 141 107.6 70.4 105.6#
 115 120.7 31.7 47.5#

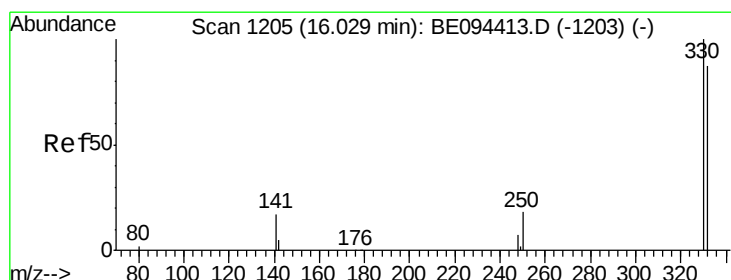
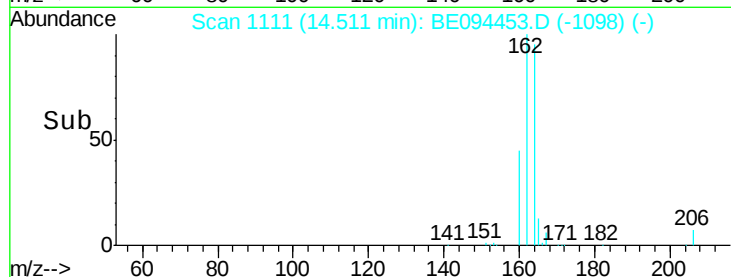
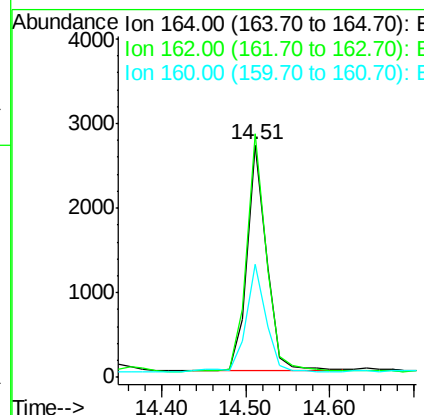
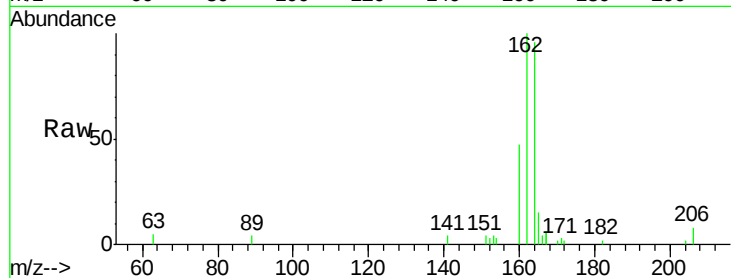




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.51 min Scan# 1111
Delta R.T. -0.01 min
Lab File: BE094453.D
Acq: 19 Oct 2017 18:25

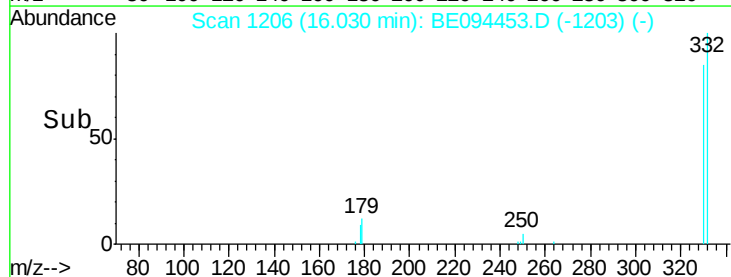
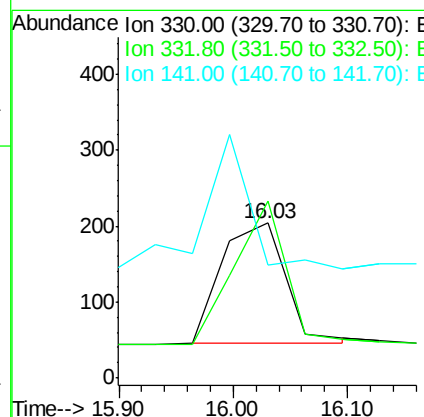
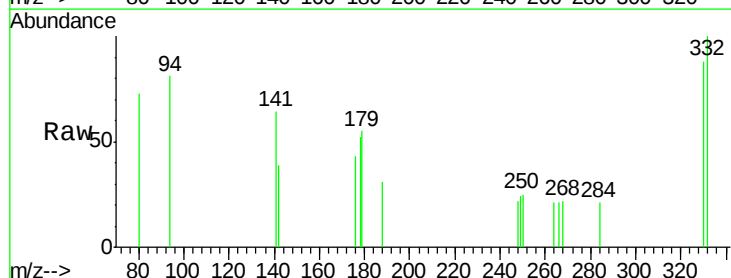
Instrument :
BNA_E
ClientSampleId :
3907-SPP1

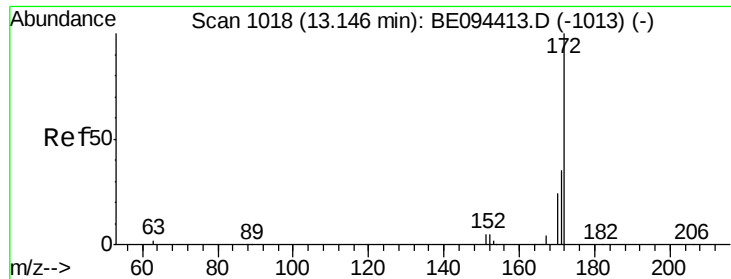
Tgt Ion:164 Resp: 4293
Ion Ratio Lower Upper
164 100
162 104.7 83.1 124.7
160 48.8 37.1 55.7



#14
2,4,6-Tribromophenol
Concen: 0.377 ng
RT: 16.03 min Scan# 1206
Delta R.T. 0.00 min
Lab File: BE094453.D
Acq: 19 Oct 2017 18:25

Tgt Ion:330 Resp: 616
Ion Ratio Lower Upper
330 100
332 95.3 152.7 229.1#
141 0.0 33.7 50.5#

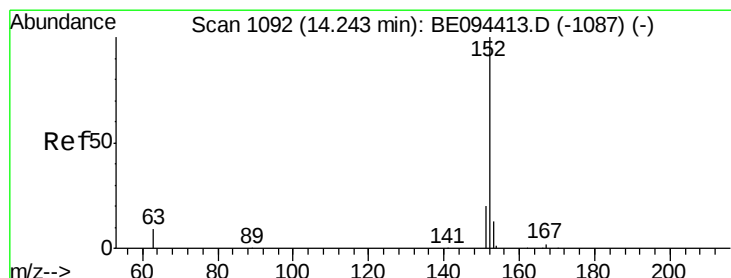
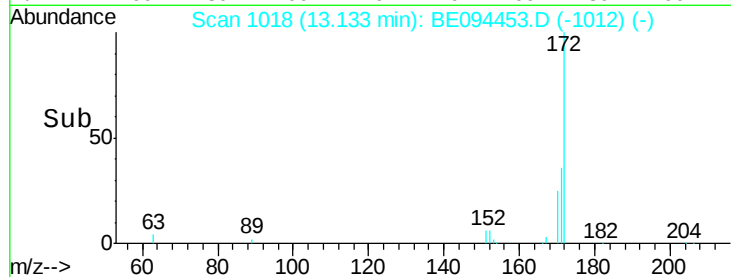
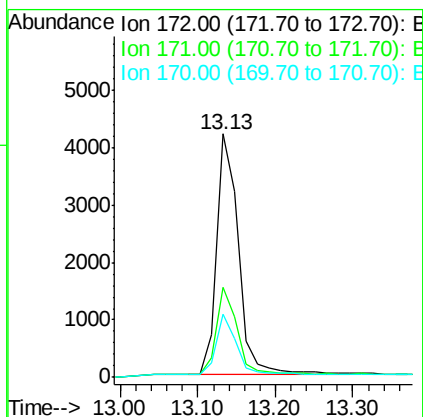
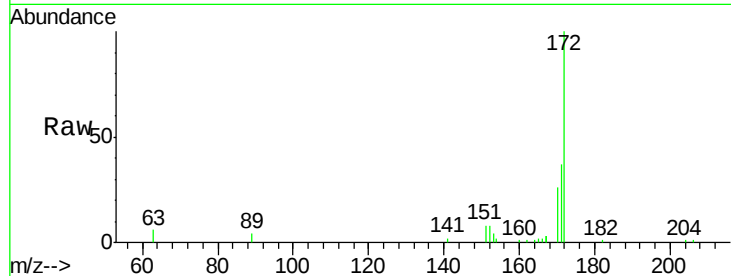




#15
2-Fluorobiphenyl
Concen: 0.535 ng
RT: 13.13 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BE094453.D
Acq: 19 Oct 2017 18:25

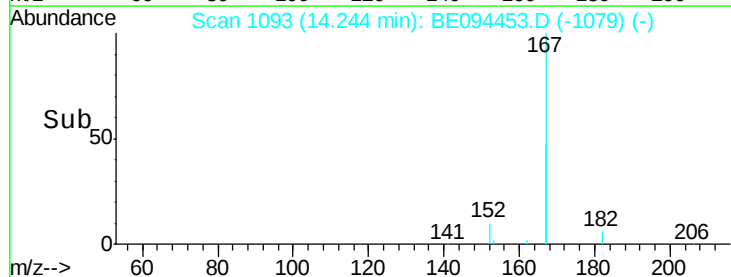
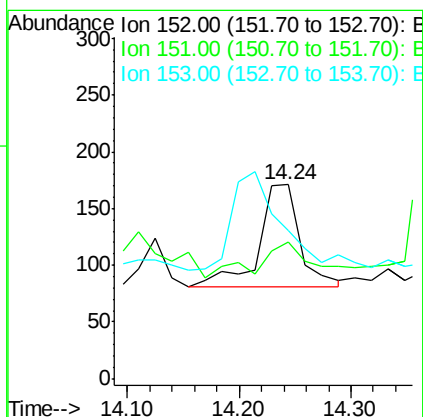
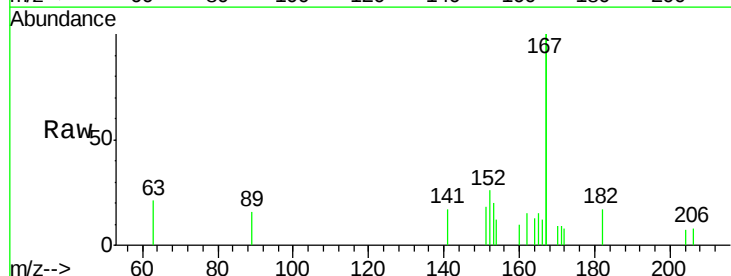
Instrument :
BNA_E
ClientSampleId :
3907-SPP1

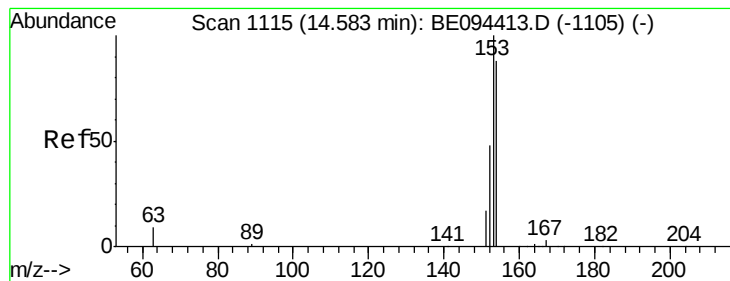
Tgt Ion:172 Resp: 8202
Ion Ratio Lower Upper
172 100
171 36.9 29.9 44.9
170 26.1 21.8 32.8



#16
Acenaphthylene
Concen: 0.010 ng
RT: 14.24 min Scan# 1093
Delta R.T. 0.00 min
Lab File: BE094453.D
Acq: 19 Oct 2017 18:25

Tgt Ion:152 Resp: 231
Ion Ratio Lower Upper
152 100
151 22.1 15.7 23.5
153 0.0 10.5 15.7#





#17

Acenaphthene

Concen: 0.005 ng

RT: 14.57 min Scan# 1115

Delta R.T. -0.01 min

Lab File: BE094453.D

Acq: 19 Oct 2017 18:25

Instrument :

BNA_E

ClientSampleId :

3907-SPP1

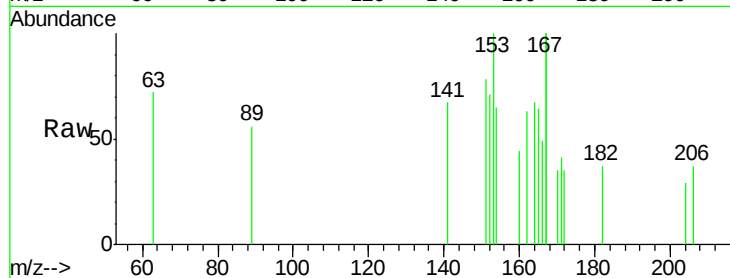
Tgt Ion:154 Resp: 72

Ion Ratio Lower Upper

154 100

153 172.2 89.2 133.8#

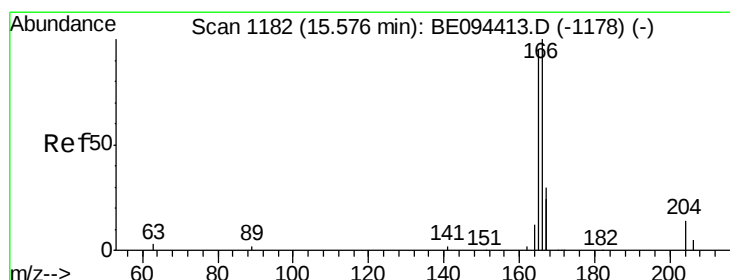
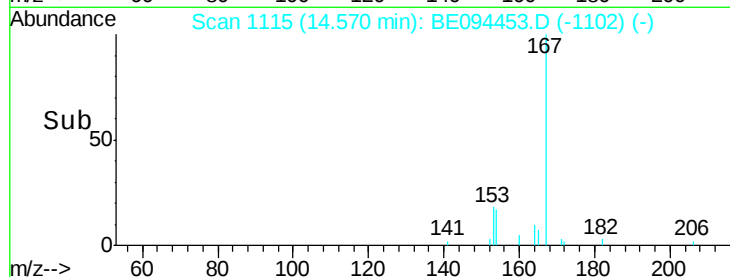
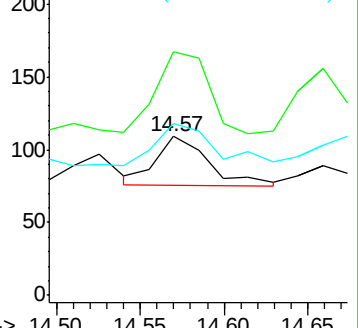
152 101.4 42.0 63.0#



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: 0.008 ng

RT: 15.56 min Scan# 1182

Delta R.T. -0.01 min

Lab File: BE094453.D

Acq: 19 Oct 2017 18:25

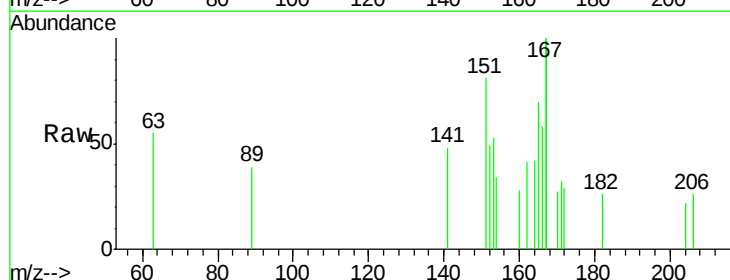
Tgt Ion:166 Resp: 158

Ion Ratio Lower Upper

166 100

165 91.1 77.8 116.6

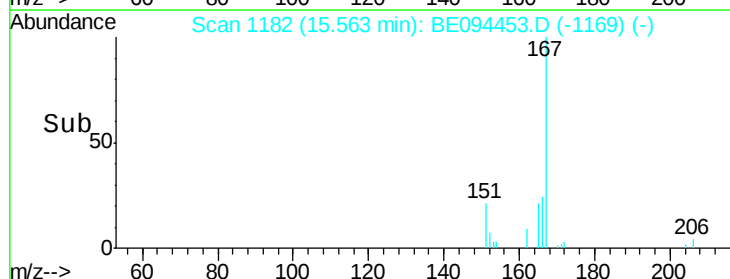
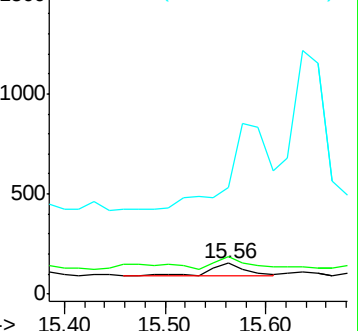
167 751.9 42.4 63.6#

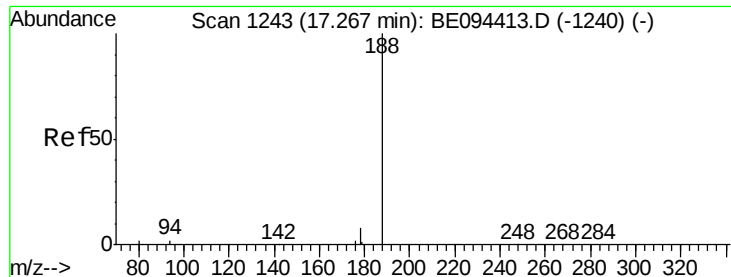


Abundance Ion 166.00 (165.70 to 166.70): E

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: BE094453.D

Acq: 19 Oct 2017 18:25

Instrument :

BNA_E

ClientSampleId :

3907-SPP1

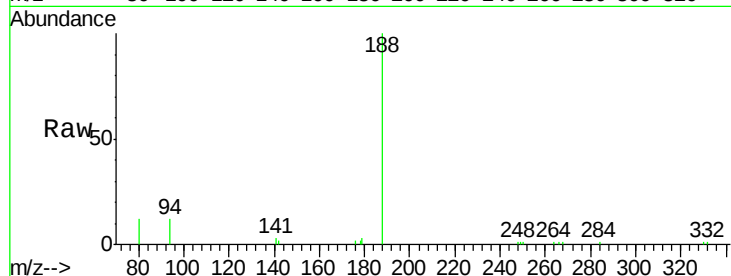
Tgt Ion:188 Resp: 12785

Ion Ratio Lower Upper

188 100

94 12.4 3.9 5.9#

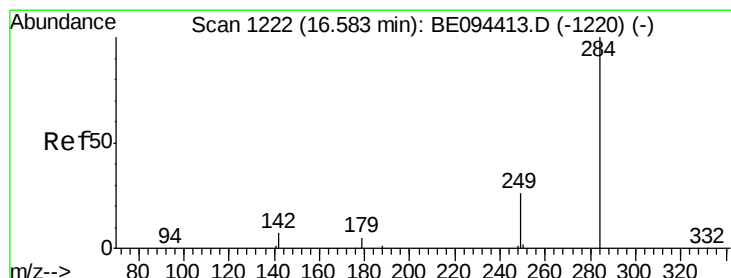
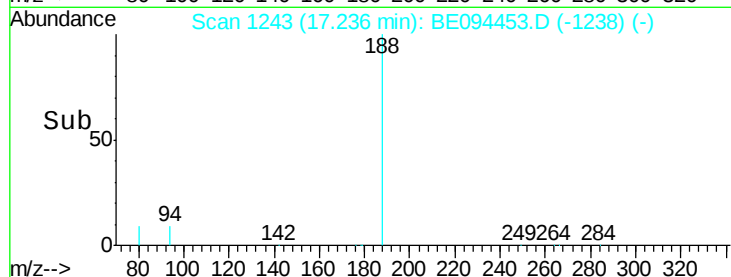
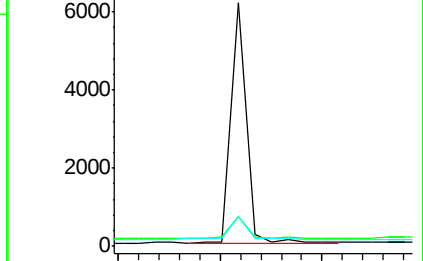
80 12.0 3.6 5.4#



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



#21

Hexachlorobenzene

Concen: 0.027 ng

RT: 16.49 min Scan# 1220

Delta R.T. -0.10 min

Lab File: BE094453.D

Acq: 19 Oct 2017 18:25

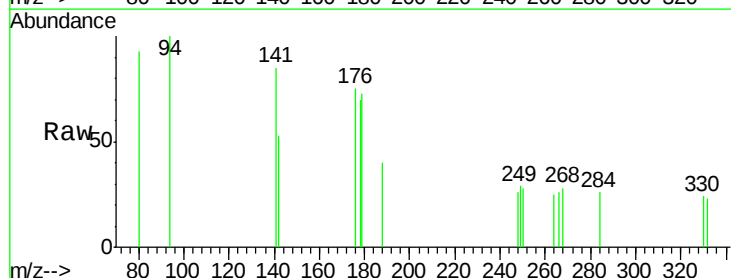
Tgt Ion:284 Resp: 6

Ion Ratio Lower Upper

284 100

142 0.0 22.1 33.1#

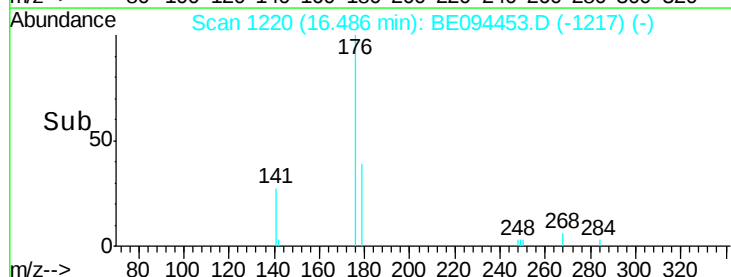
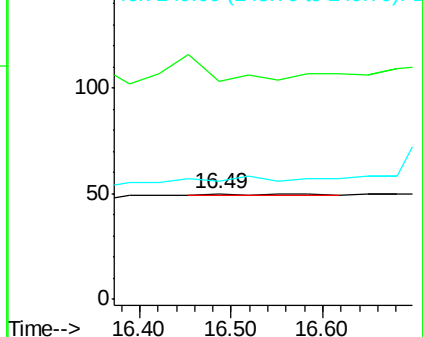
249 0.0 34.8 52.2#

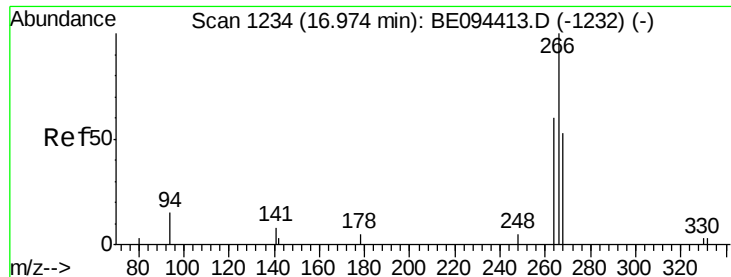


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E

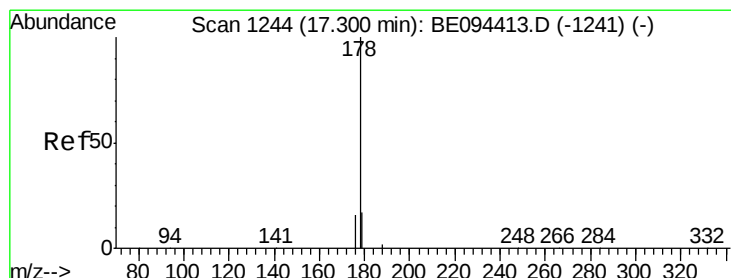
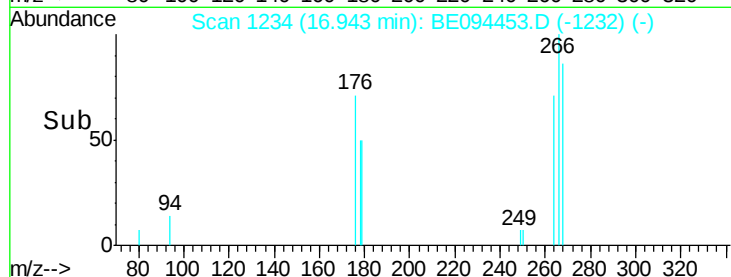
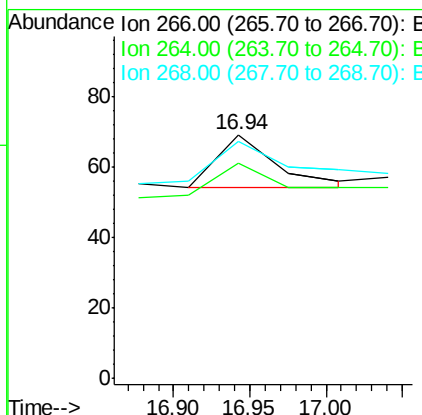
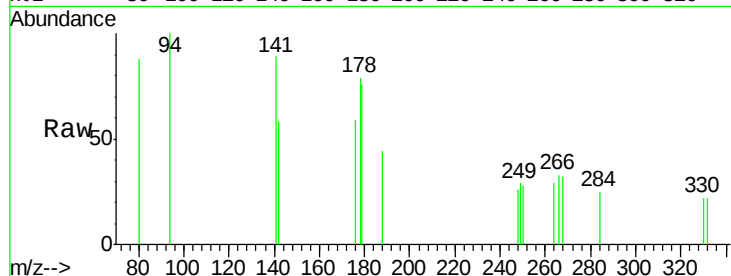




#22
 Pentachlorophenol
 Concen: 0.187 ng
 RT: 16.94 min Scan# 1234
 Delta R.T. -0.03 min
 Lab File: BE094453.D
 Acq: 19 Oct 2017 18:25

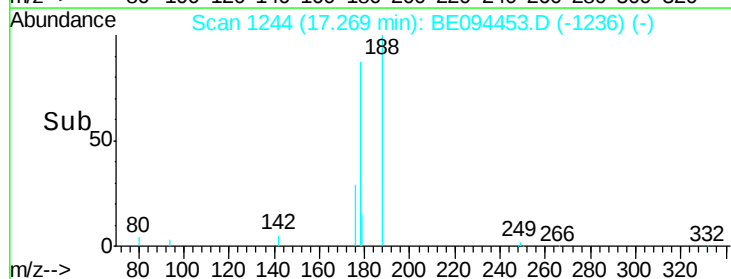
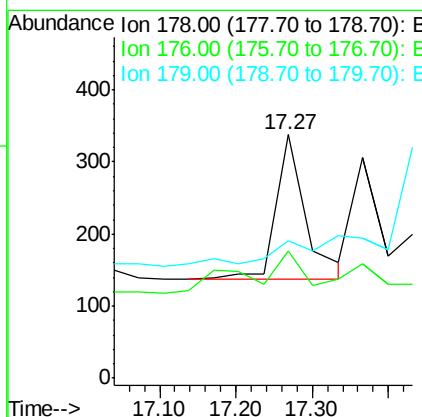
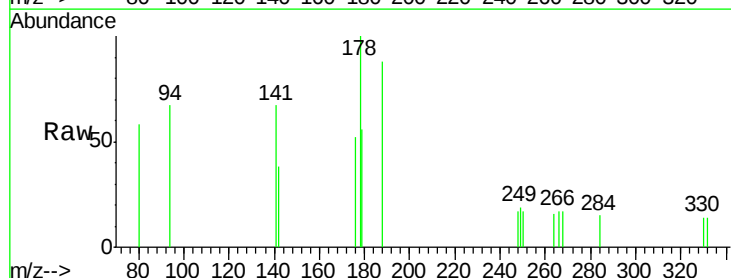
Instrument :
 BNA_E
 ClientSampleId :
 3907-SPP1

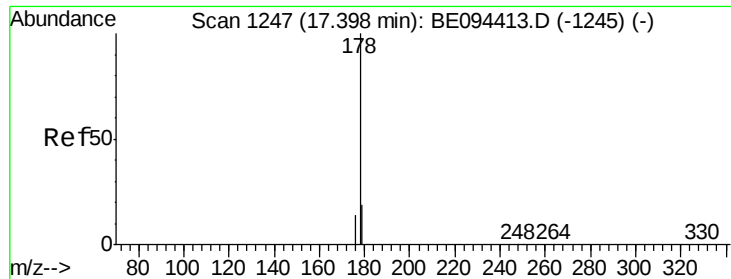
Tgt Ion: 266 Resp: 41
 Ion Ratio Lower Upper
 266 100
 264 88.4 72.5 108.7
 268 97.1 73.8 110.6



#23
 Phenanthrene
 Concen: 0.011 ng
 RT: 17.27 min Scan# 1244
 Delta R.T. -0.03 min
 Lab File: BE094453.D
 Acq: 19 Oct 2017 18:25

Tgt Ion: 178 Resp: 552
 Ion Ratio Lower Upper
 178 100
 176 0.0 15.1 22.7#
 179 0.0 11.8 17.6#





#24

Anthracene

Concen: 0.012 ng

RT: 17.37 min Scan# 1247

Delta R.T. -0.03 min

Lab File: BE094453.D

Acq: 19 Oct 2017 18:25

Instrument :

BNA_E

ClientSampleId :

3907-SPP1

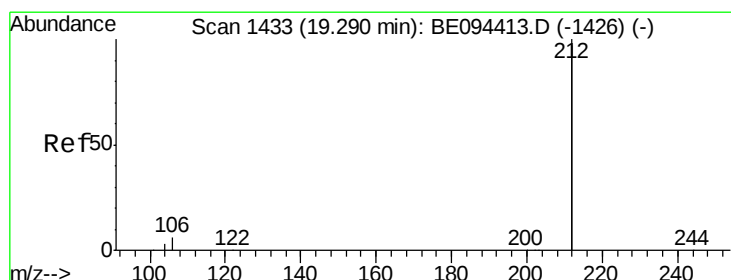
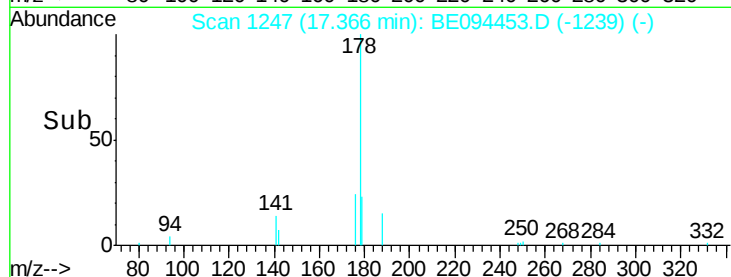
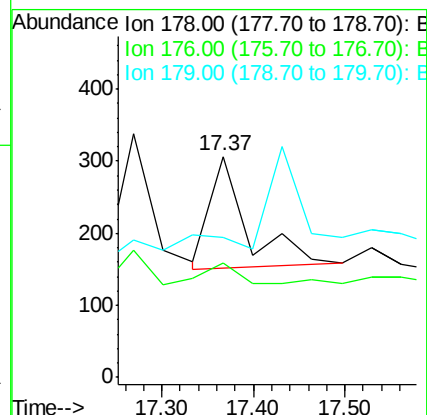
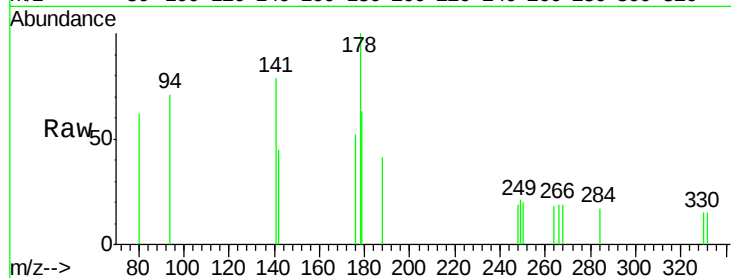
Tgt Ion:178 Resp: 448

Ion Ratio Lower Upper

178 100

176 15.2 12.8 19.2

179 0.0 13.0 19.6#



#25

Fluoranthene-d10

Concen: 0.281 ng

RT: 19.27 min Scan# 1432

Delta R.T. -0.02 min

Lab File: BE094453.D

Acq: 19 Oct 2017 18:25

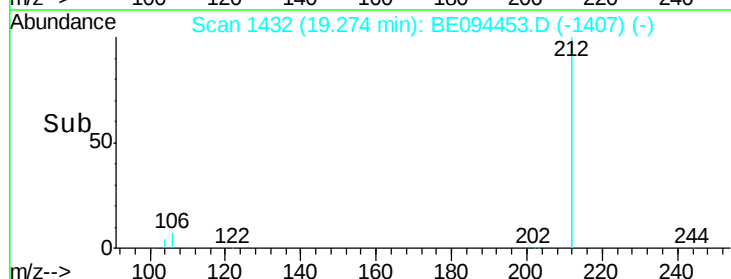
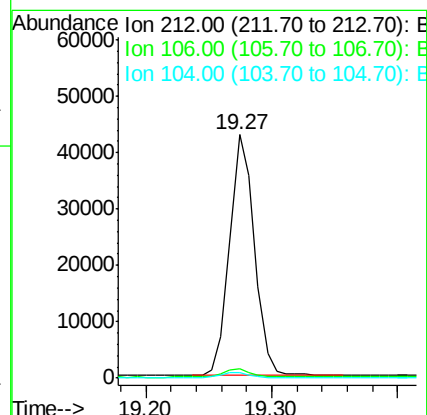
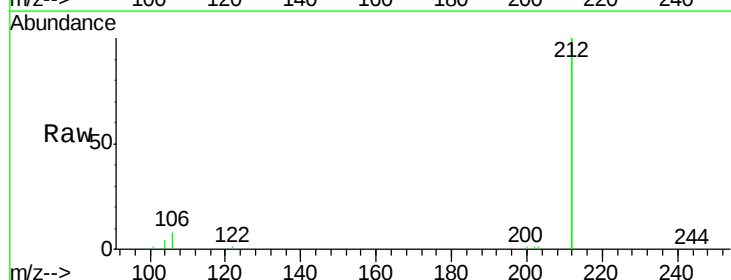
Tgt Ion:212 Resp: 57846

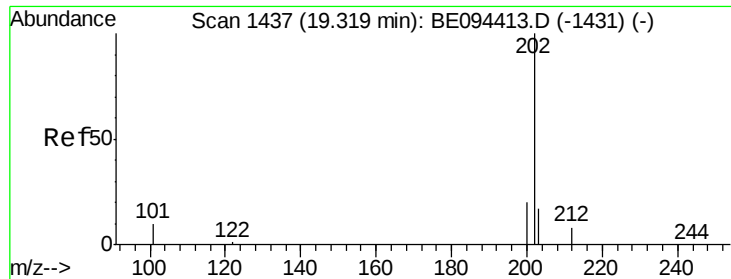
Ion Ratio Lower Upper

212 100

106 3.5 2.8 4.2

104 2.0 1.6 2.4

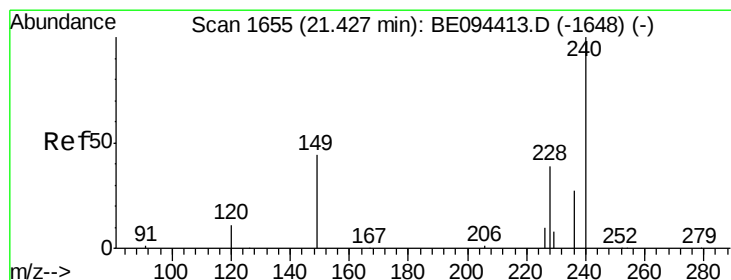
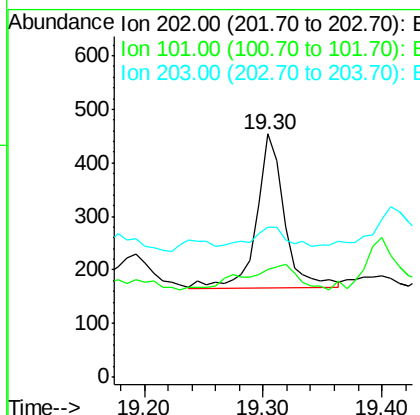
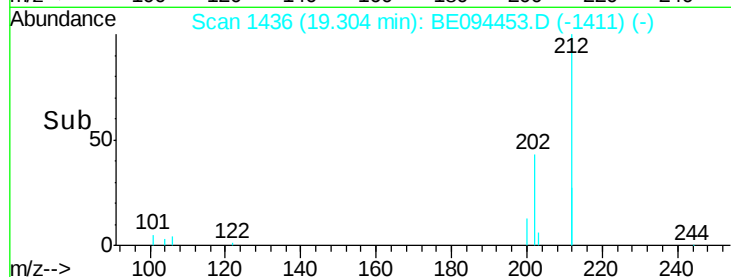
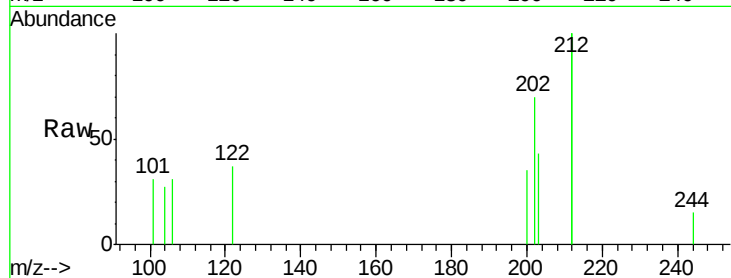




#26
 Fluoranthene
 Concen: 0.007 ng
 RT: 19.30 min Scan# 1436
 Delta R.T. -0.02 min
 Lab File: BE094453.D
 Acq: 19 Oct 2017 18:25

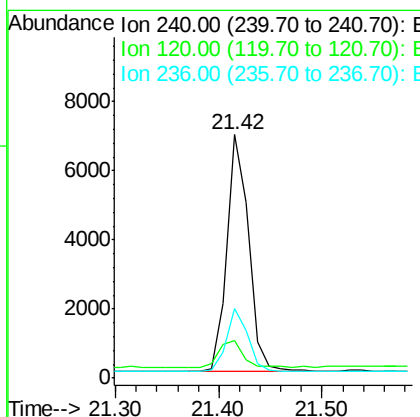
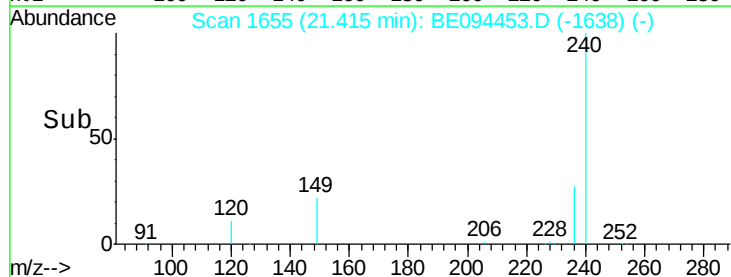
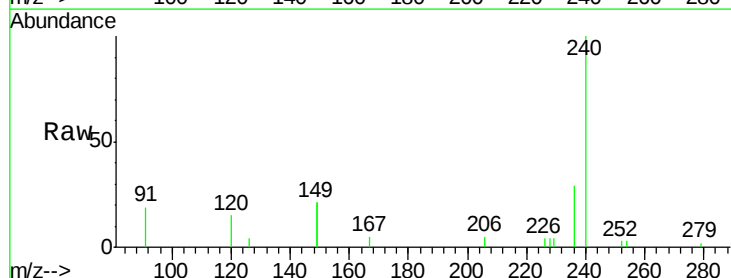
Instrument :
 BNA_E
 ClientSampled :
 3907-SPP1

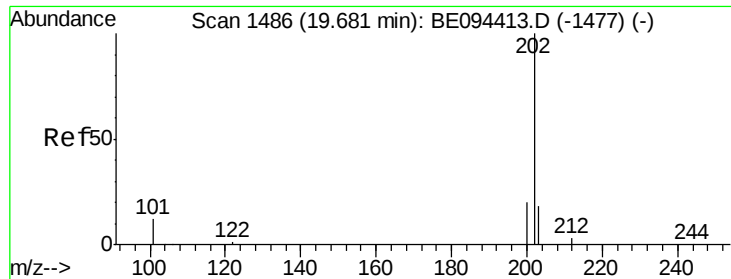
Tgt Ion: 202 Resp: 461
 Ion Ratio Lower Upper
 202 100
 101 20.8 9.8 14.8#
 203 21.5 13.7 20.5#



#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.42 min Scan# 1655
 Delta R.T. -0.01 min
 Lab File: BE094453.D
 Acq: 19 Oct 2017 18:25

Tgt Ion: 240 Resp: 10022
 Ion Ratio Lower Upper
 240 100
 120 15.5 5.5 8.3#
 236 28.7 20.7 31.1





#28

Pyrene

Concen: 0.014 ng

RT: 19.67 min Scan# 1485

Delta R.T. -0.02 min

Lab File: BE094453.D

Acq: 19 Oct 2017 18:25

Instrument :

BNA_E

ClientSampleId :

3907-SPP1

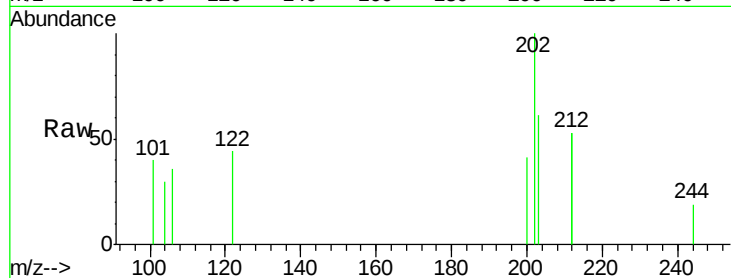
Tgt Ion:202 Resp: 548

Ion Ratio Lower Upper

202 100

200 24.5 16.6 25.0

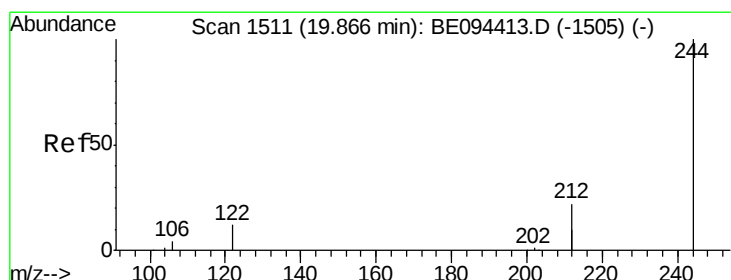
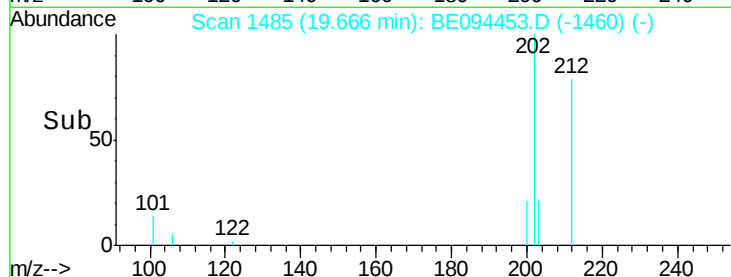
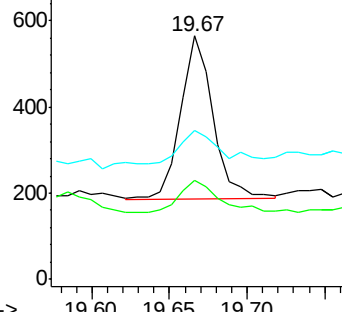
203 27.4 13.8 20.8#



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: 0.624 ng

RT: 19.86 min Scan# 1511

Delta R.T. -0.01 min

Lab File: BE094453.D

Acq: 19 Oct 2017 18:25

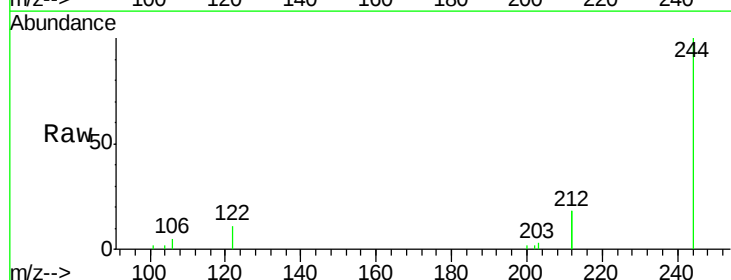
Tgt Ion:244 Resp: 12625

Ion Ratio Lower Upper

244 100

212 35.6 25.4 38.0

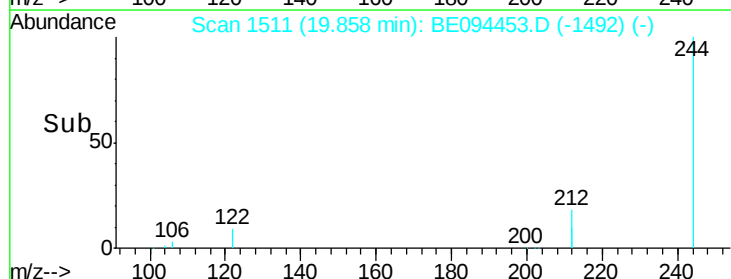
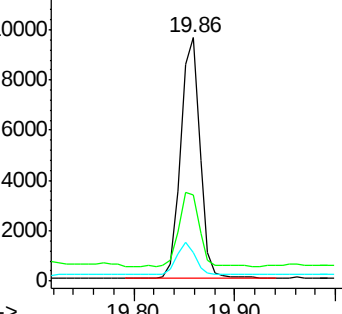
122 11.5 8.1 12.1

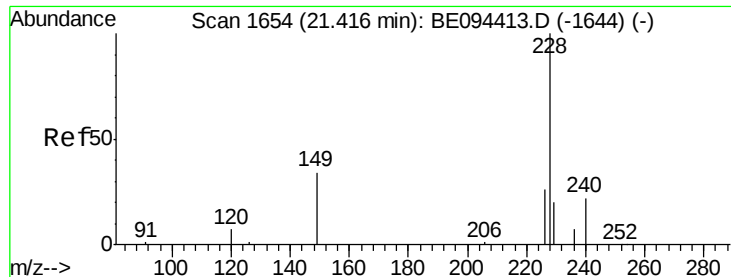


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#30

Benzo(a)anthracene

Concen: 0.008 ng

RT: 21.40 min Scan# 1654

Delta R.T. -0.01 min

Lab File: BE094453.D

Acq: 19 Oct 2017 18:25

Instrument :

BNA_E

ClientSampleId :

3907-SPP1

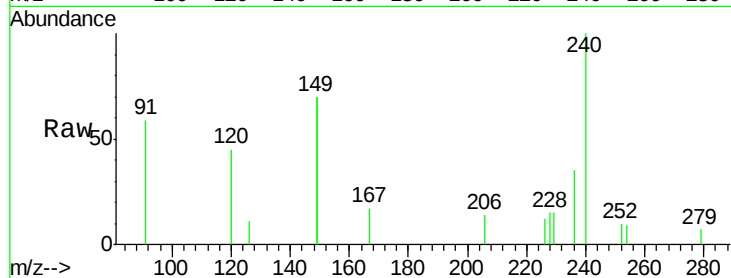
Tgt Ion:228 Resp: 267

Ion Ratio Lower Upper

228 100

226 78.7 40.0 60.0#

229 97.9 40.0 60.0#



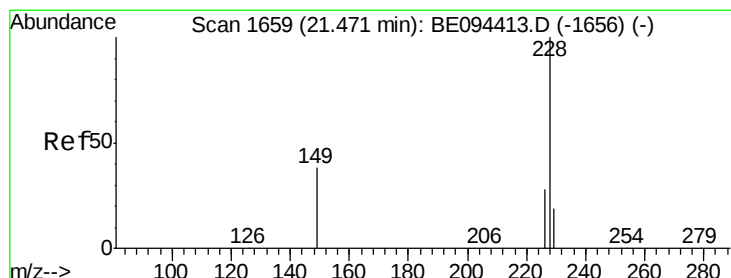
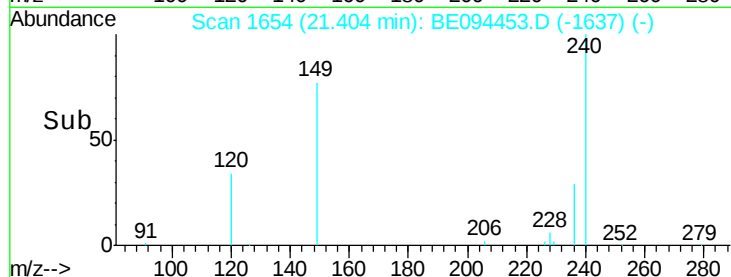
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

21.40

Time-->



#31

Chrysene

Concen: 0.006 ng

RT: 21.46 min Scan# 1659

Delta R.T. -0.01 min

Lab File: BE094453.D

Acq: 19 Oct 2017 18:25

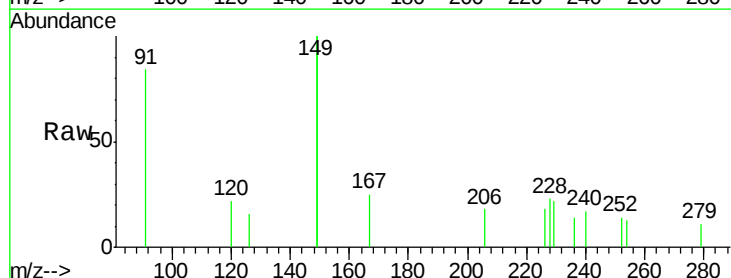
Tgt Ion:228 Resp: 209

Ion Ratio Lower Upper

228 100

226 79.0 40.0 60.0#

229 96.8 40.0 60.0#



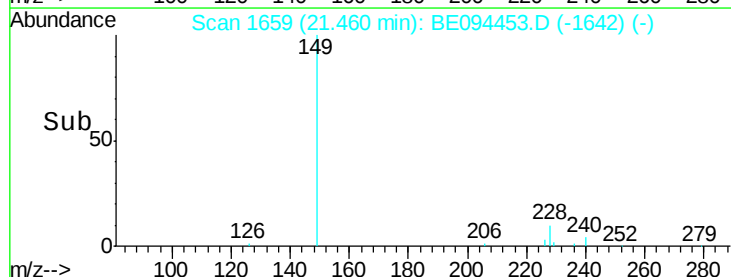
Abundance Ion 228.00 (227.70 to 228.70): E

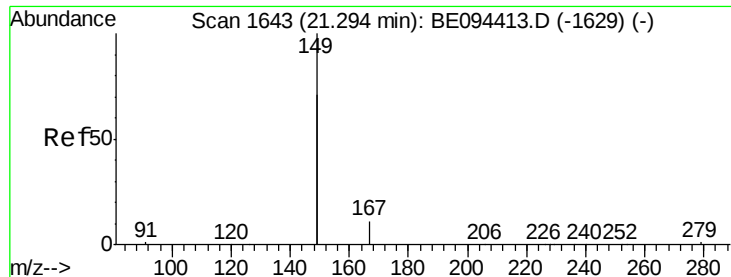
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

21.46

Time-->

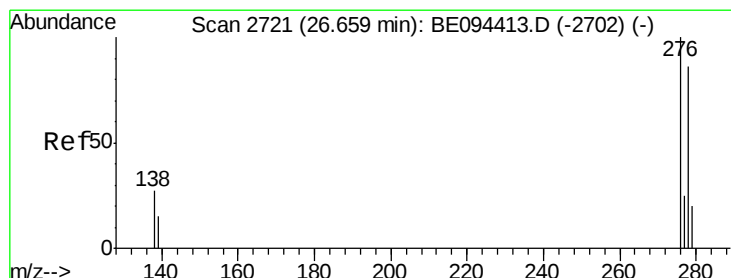
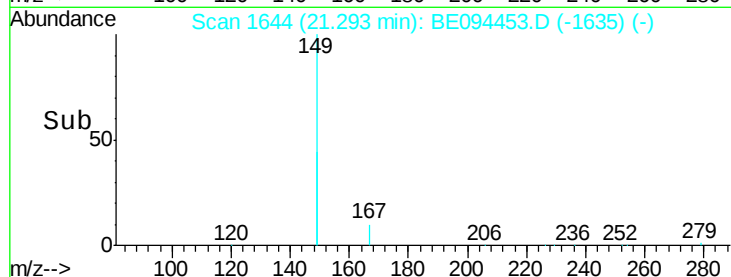
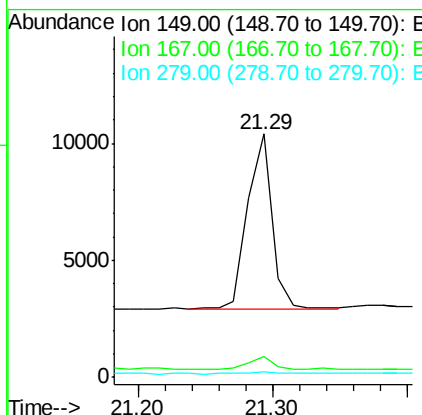
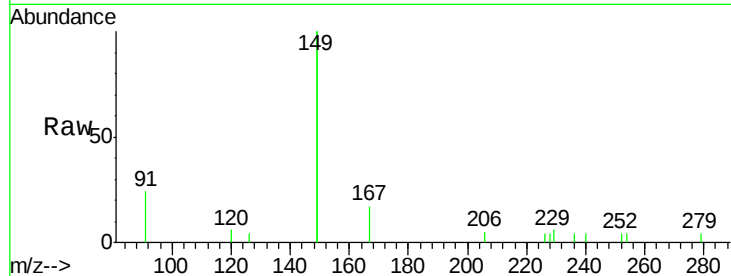




#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.095 ng
 RT: 21.29 min Scan# 1644
 Delta R.T. 0.00 min
 Lab File: BE094453.D
 Acq: 19 Oct 2017 18:25

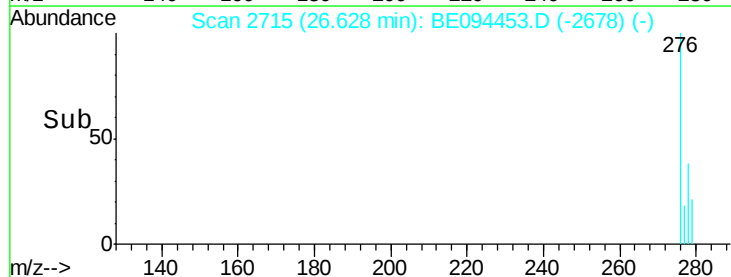
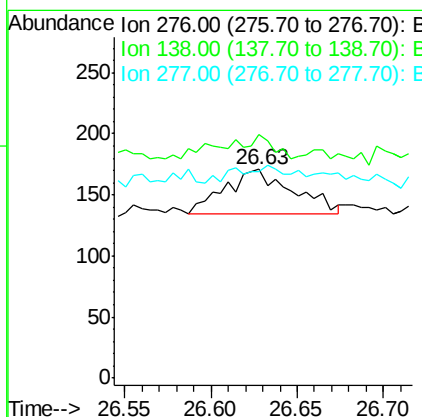
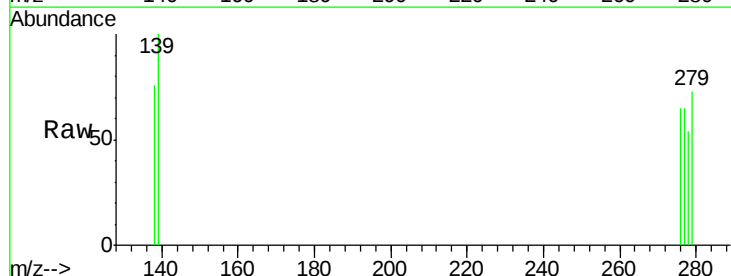
Instrument :
 BNA_E
 ClientSampleId :
 3907-SPP1

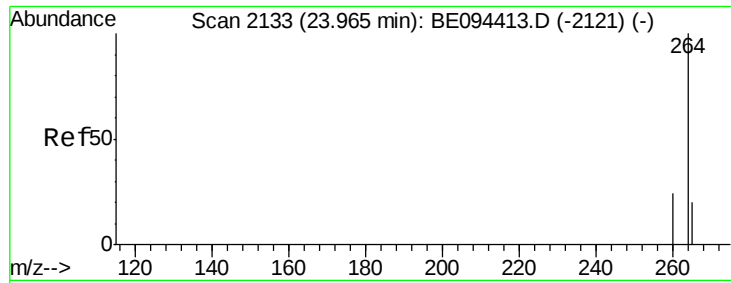
Tgt Ion:149 Resp: 9462
 Ion Ratio Lower Upper
 149 100
 167 7.0 5.4 8.0
 279 1.3 0.7 1.1#



#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.003 ng
 RT: 26.63 min Scan# 2715
 Delta R.T. -0.03 min
 Lab File: BE094453.D
 Acq: 19 Oct 2017 18:25

Tgt Ion:276 Resp: 102
 Ion Ratio Lower Upper
 276 100
 138 0.0 22.5 33.7#
 277 3.9 19.9 29.9#

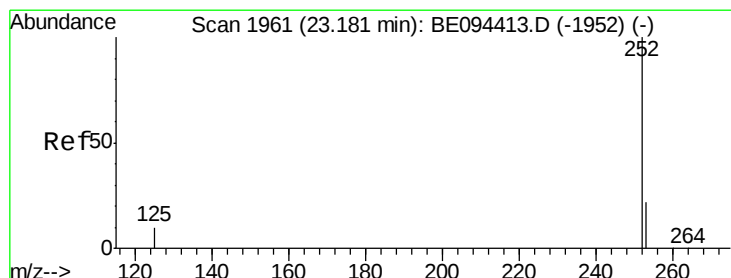
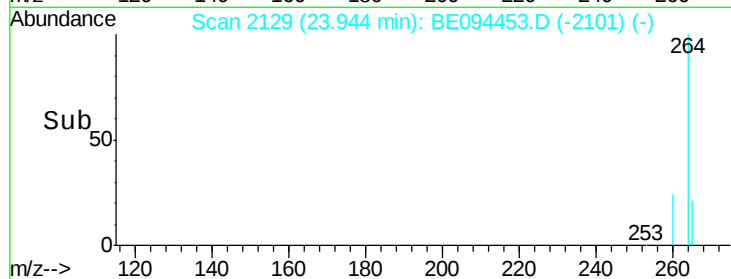
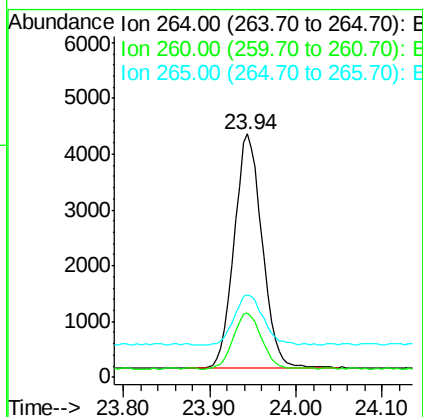
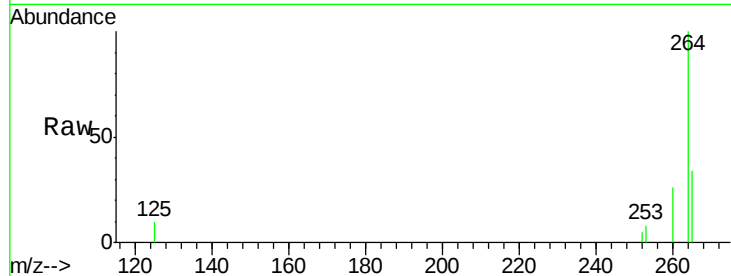




#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.94 min Scan# 2129
 Delta R.T. -0.02 min
 Lab File: BE094453.D
 Acq: 19 Oct 2017 18:25

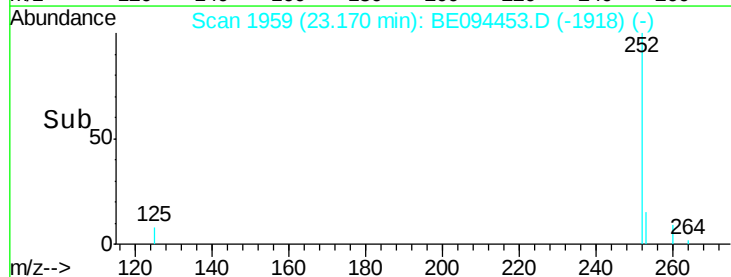
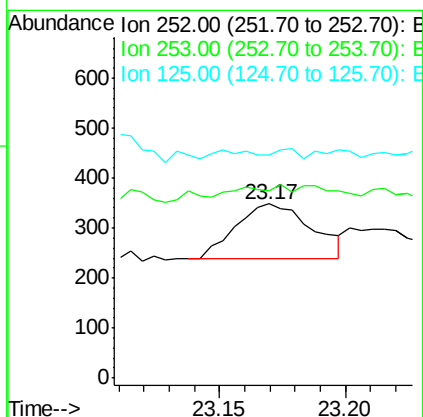
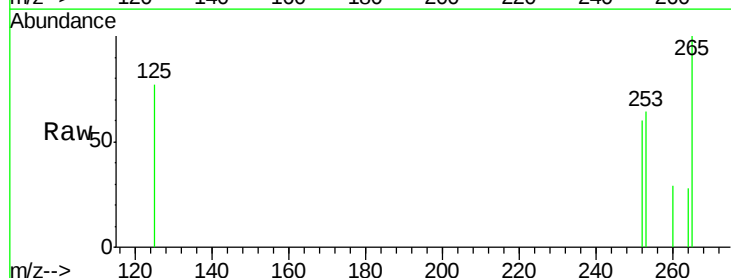
Instrument :
 BNA_E
 ClientSampleId :
 3907-SPP1

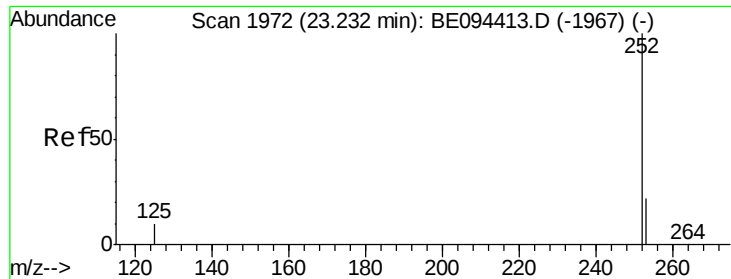
Tgt Ion: 264 Resp: 9478
 Ion Ratio Lower Upper
 264 100
 260 26.3 20.5 30.7
 265 34.0 22.8 34.2



#35
 Benzo(b)fluoranthene
 Concen: 0.007 ng
 RT: 23.17 min Scan# 1959
 Delta R.T. -0.01 min
 Lab File: BE094453.D
 Acq: 19 Oct 2017 18:25

Tgt Ion: 252 Resp: 230
 Ion Ratio Lower Upper
 252 100
 253 107.8 48.0 72.0#
 125 128.4 56.0 84.0#





#36

Benzo(k)fluoranthene

Concen: 0.007 ng

RT: 23.17 min Scan# 1959

Delta R.T. -0.06 min

Lab File: BE094453.D

Acq: 19 Oct 2017 18:25

Instrument :

BNA_E

ClientSampleId :

3907-SPP1

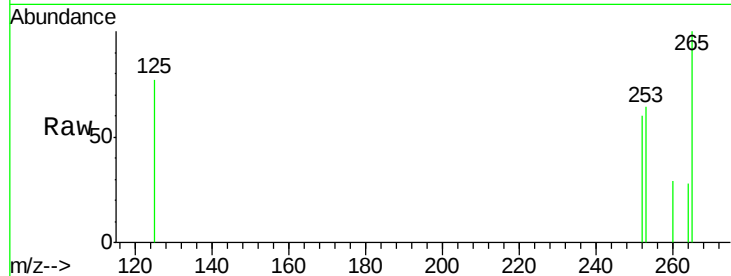
Tgt Ion: 252 Resp: 230

Ion Ratio Lower Upper

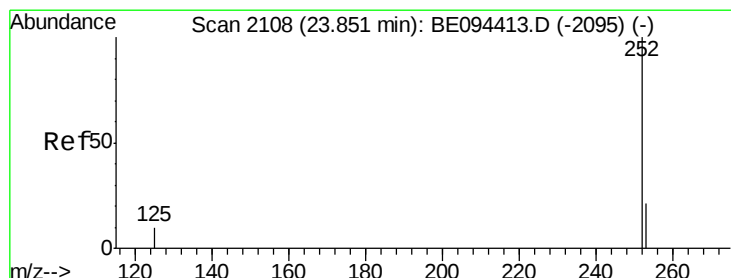
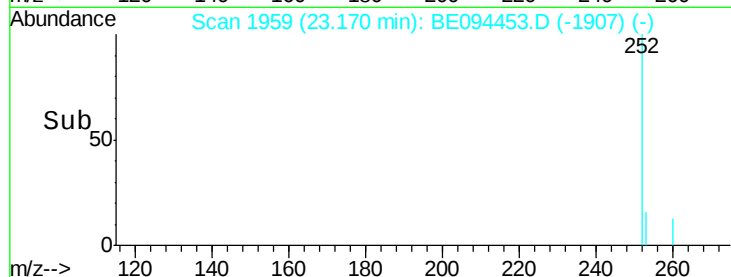
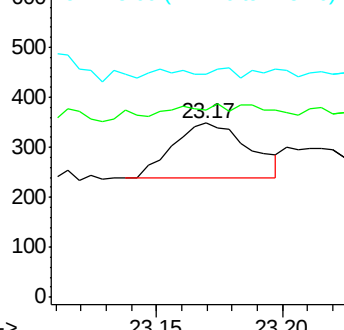
252 100

253 107.8 48.0 72.0#

125 128.4 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: 0.003 ng

RT: 23.83 min Scan# 2105

Delta R.T. -0.02 min

Lab File: BE094453.D

Acq: 19 Oct 2017 18:25

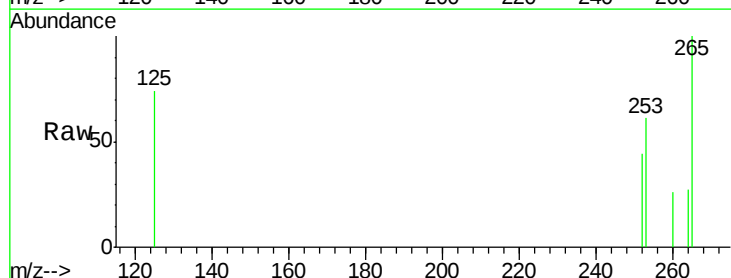
Tgt Ion: 252 Resp: 96

Ion Ratio Lower Upper

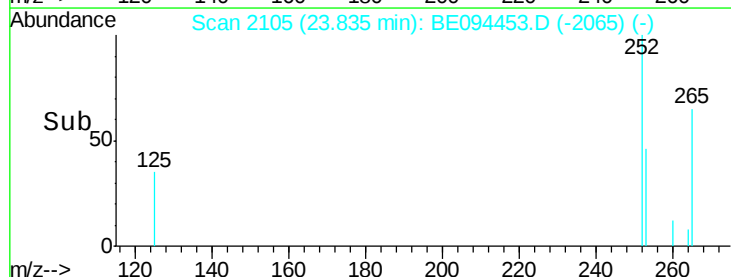
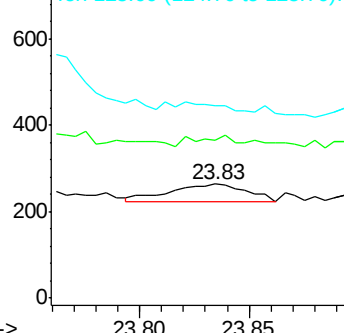
252 100

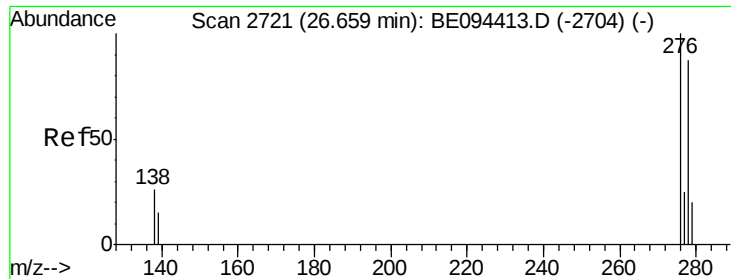
253 137.9 52.0 78.0#

125 168.6 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: 0.001 ng

RT: 26.63 min Scan# 2715

Delta R.T. -0.03 min

Lab File: BE094453.D

Acq: 19 Oct 2017 18:25

Instrument :

BNA_E

ClientSampleId :

3907-SPP1

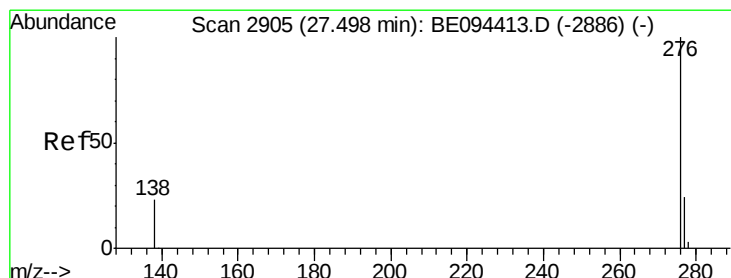
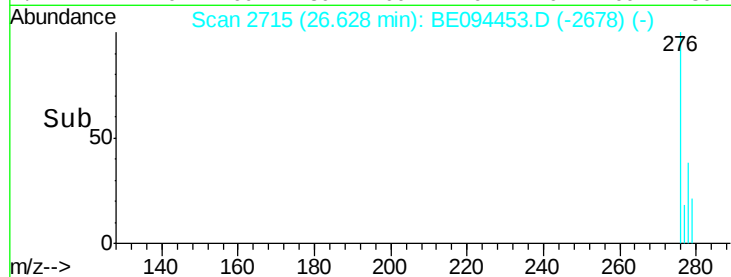
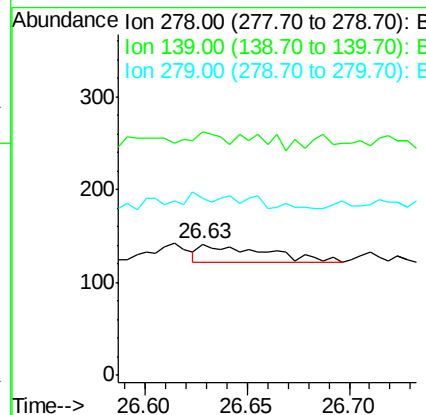
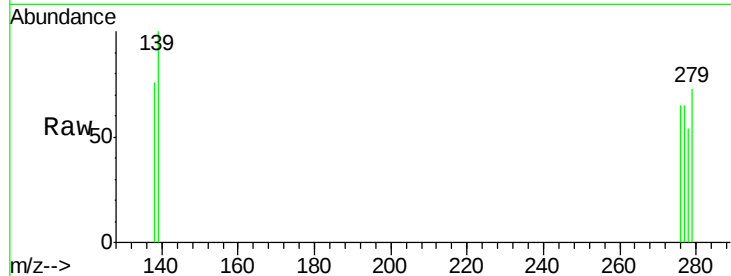
Tgt Ion:278 Resp: 41

Ion Ratio Lower Upper

278 100

139 185.8 56.0 84.0#

279 135.5 52.0 78.0#



#39

Benzo(g,h,i)perylene

Concen: 0.002 ng

RT: 27.47 min Scan# 2899

Delta R.T. -0.03 min

Lab File: BE094453.D

Acq: 19 Oct 2017 18:25

Tgt Ion:276 Resp: 46

Ion Ratio Lower Upper

276 100

277 104.4 52.0 78.0#

138 116.5 44.0 66.0#

