

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE101917\
 Data File : BE094458.D
 Acq On : 19 Oct 2017 22:42
 Operator : SJ/JU
 Sample : I5819-10
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 3911-SPP4

Quant Time: Oct 20 12:43:12 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	1468	0.40	ng	-0.02
7) Naphthalene-d8	10.69	136	7714	0.40	ng	-0.02
13) Acenaphthene-d10	14.51	164	4607	0.40	ng	-0.01
19) Phenanthrene-d10	17.24	188	12462	0.40	ng	-0.03
27) Chrysene-d12	21.42	240	10707	0.40	ng	-0.01
34) Perylene-d12	23.94	264	10069	0.40	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.53	112	981	0.20	ng	0.00
5) Phenol-d6	7.14	99	857	0.11	ng	0.00
8) Nitrobenzene-d5	9.06	82	2820	0.42	ng	-0.02
11) 2-Methylnaphthalene-d10	12.28	152	5215	0.44	ng	-0.01
14) 2,4,6-Tribromophenol	16.03	330	524	0.30	ng	0.00
15) 2-Fluorobiphenyl	13.15	172	7417	0.45	ng	0.00
25) Fluoranthene-d10	19.28	212	54417	0.27	ng	-0.01
29) Terphenyl-d14	19.85	244	10985	0.51	ng	-0.01

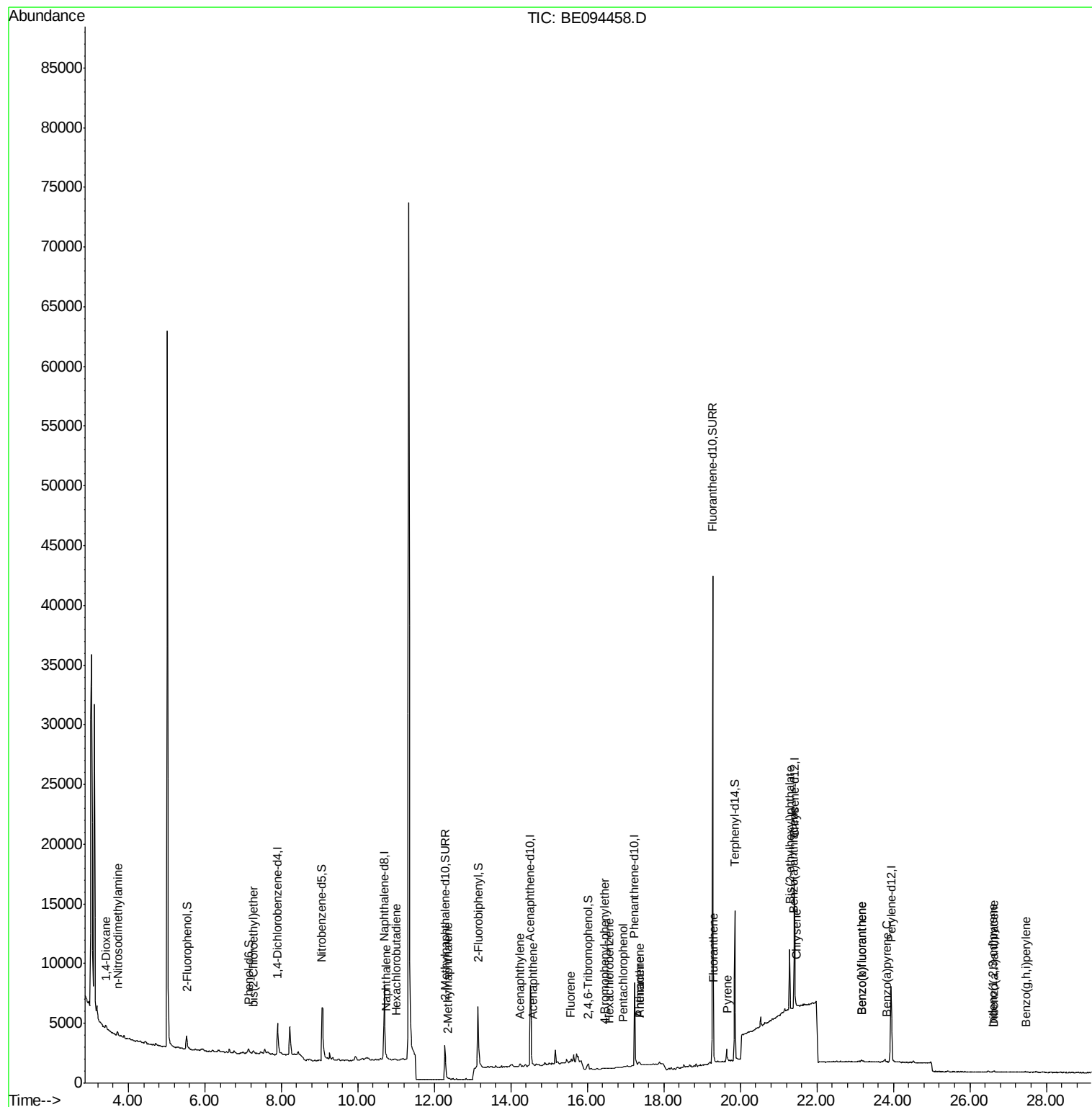
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.42	88	347	0.077	ng	# 20
3) n-Nitrosodimethylamine	3.73	42	77	0.030	ng	# 1
6) bis(2-Chloroethyl)ether	7.26	93	519	0.091	ng	# 1
9) Naphthalene	10.74	128	346	0.004	ng	# 64
10) Hexachlorobutadiene	11.01	225	4	0.001	ng	# 33
12) 2-Methylnaphthalene	12.35	142	33	0.002	ng	# 43
16) Acenaphthylene	14.24	152	383	0.015	ng	# 76
17) Acenaphthene	14.57	154	18	0.001	ng	# 1
18) Fluorene	15.56	166	96	0.005	ng	# 65
20) 4-Bromophenyl-phenylether	16.45	248	12	0.002	ng	# 1
21) Hexachlorobenzene	16.58	284	14	0.028	ng	# 38
22) Pentachlorophenol	16.94	266	121	0.249	ng	# 96
23) Phenanthrene	17.37	178	966	0.020	ng	# 80
24) Anthracene	17.37	178	1019	0.027	ng	# 73
26) Fluoranthene	19.30	202	311	0.005	ng	# 74
28) Pyrene	19.67	202	285	0.007	ng	# 60
30) Benzo(a)anthracene	21.40	228	231	0.006	ng	# 47
31) Chrysene	21.46	228	228	0.006	ng	# 48
32) Bis(2-ethylhexyl)phthalate	21.29	149	6485	0.061	ng	# 99
33) Indeno(1,2,3-cd)pyrene	26.62	276	182	0.005	ng	# 55
35) Benzo(b)fluoranthene	23.17	252	275	0.008	ng	# 40
36) Benzo(k)fluoranthene	23.17	252	275	0.008	ng	# 40
37) Benzo(a)pyrene	23.83	252	114	0.004	ng	# 32
38) Dibenzo(a,h)anthracene	26.62	278	49	0.002	ng	# 3
39) Benzo(g,h,i)perylene	27.46	276	162	0.006	ng	# 48

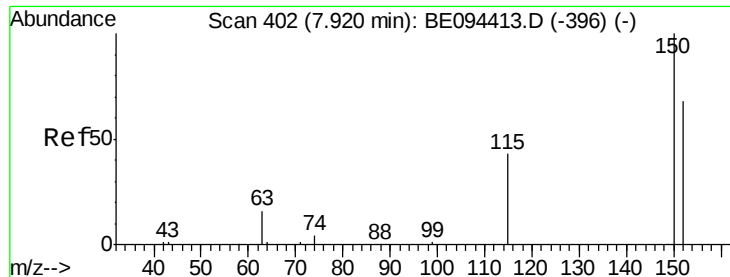
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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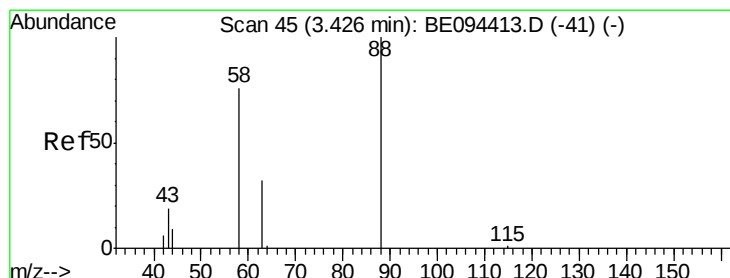
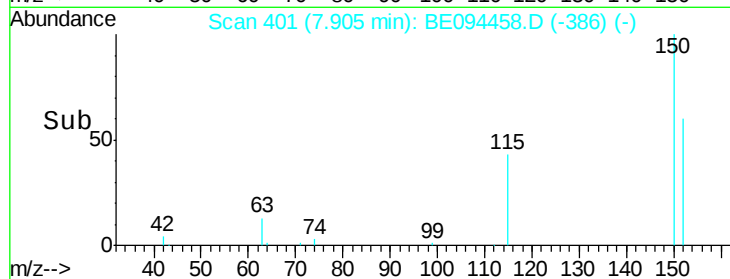
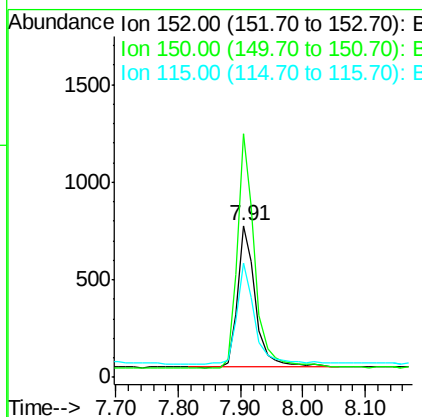
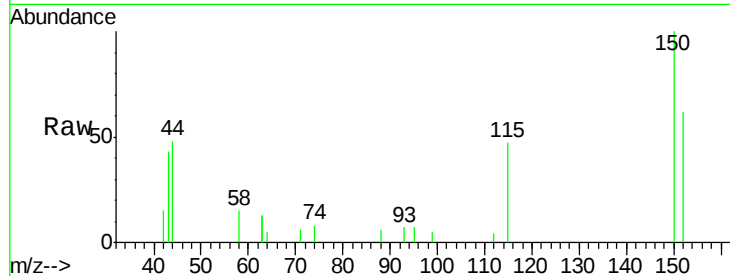




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.91 min Scan# 401
 Delta R.T. -0.02 min
 Lab File: BE094458.D
 Acq: 19 Oct 2017 22:42

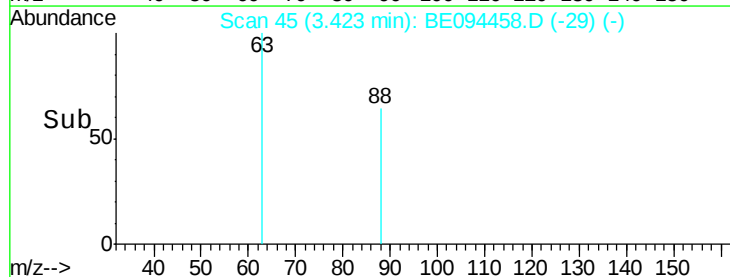
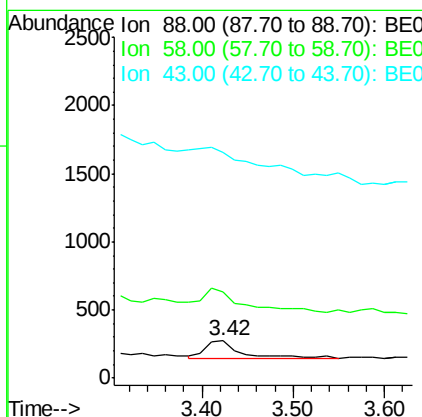
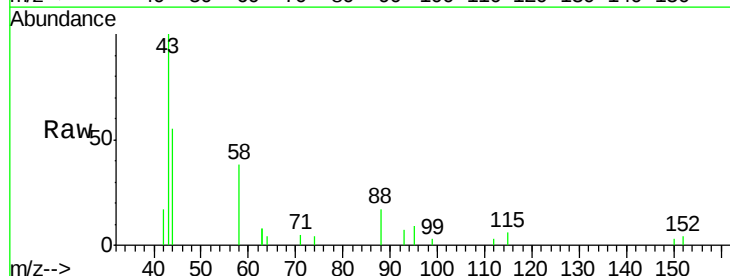
Instrument :
 BNA_E
 ClientSampleId :
 3911-SPP4

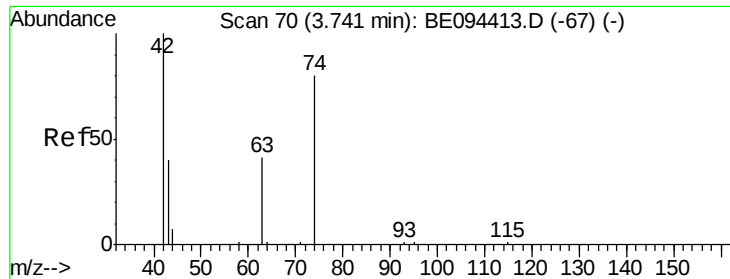
Tgt Ion: 152 Resp: 1468
 Ion Ratio Lower Upper
 152 100
 150 160.5 117.2 175.8
 115 75.4 57.0 85.6



#2
 1,4-Dioxane
 Concen: 0.077 ng
 RT: 3.42 min Scan# 45
 Delta R.T. -0.00 min
 Lab File: BE094458.D
 Acq: 19 Oct 2017 22:42

Tgt Ion: 88 Resp: 347
 Ion Ratio Lower Upper
 88 100
 58 152.4 63.2 94.8#
 43 0.0 41.2 61.8#



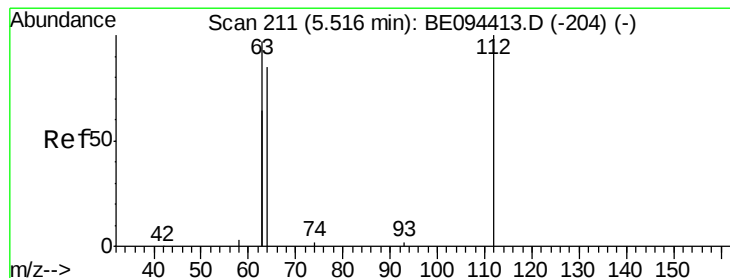
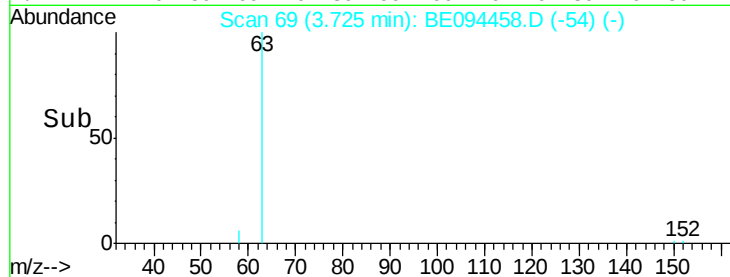
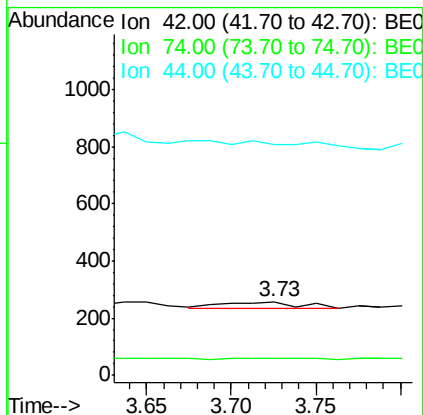
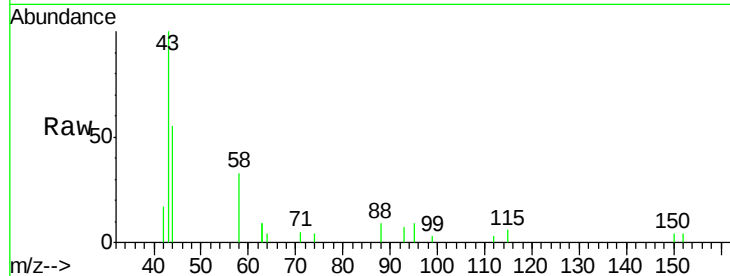


#3

n-Nitrosodimethylamine
 Concen: 0.030 ng
 RT: 3.73 min Scan# 69
 Delta R.T. -0.02 min
 Lab File: BE094458.D
 Acq: 19 Oct 2017 22:42

Instrument :
 BNA_E
 ClientSampled :
 3911-SPP4

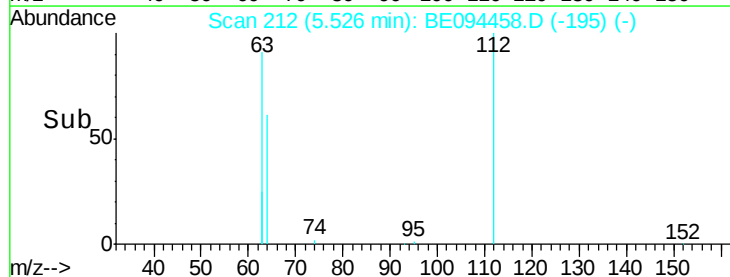
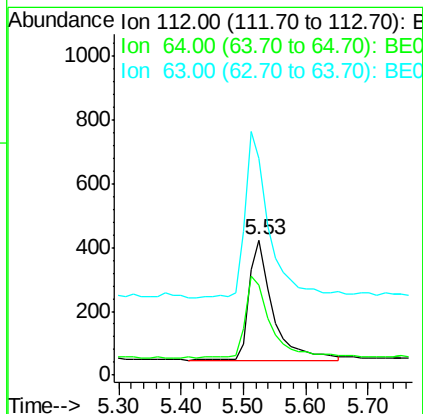
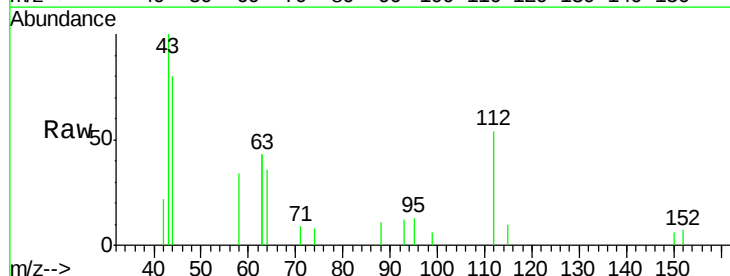
Tgt Ion: 42 Resp: 77
 Ion Ratio Lower Upper
 42 100
 74 0.0 100.3 150.5#
 44 0.0 17.0 25.4#

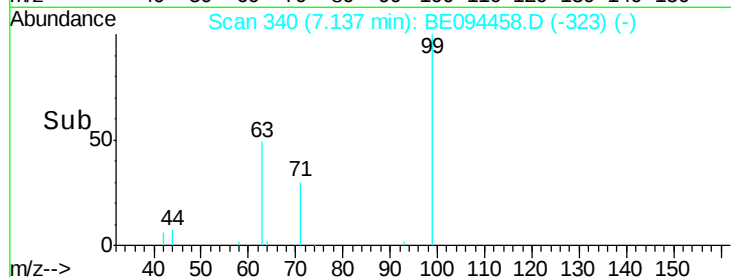
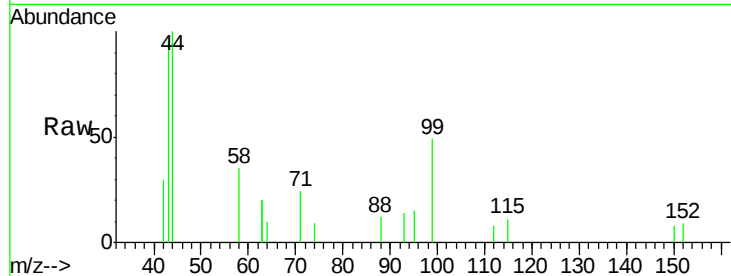
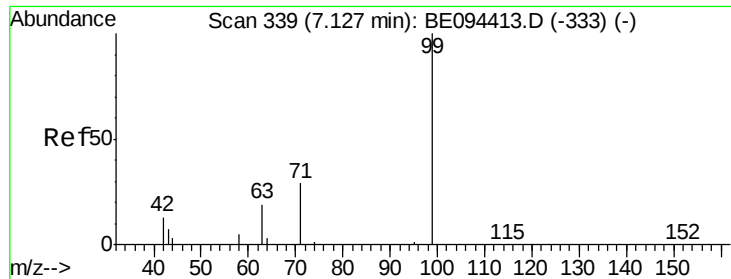


#4

2-Fluorophenol
 Concen: 0.198 ng
 RT: 5.53 min Scan# 212
 Delta R.T. 0.01 min
 Lab File: BE094458.D
 Acq: 19 Oct 2017 22:42

Tgt Ion: 112 Resp: 981
 Ion Ratio Lower Upper
 112 100
 64 72.0 60.1 90.1
 63 138.4 116.8 175.2





#5

Phenol-d6

Concen: 0.111 ng

RT: 7.14 min Scan# 340

Delta R.T. 0.01 min

Lab File: BE094458.D

Acq: 19 Oct 2017 22:42

Instrument :

BNA_E

ClientSampleId :

3911-SPP4

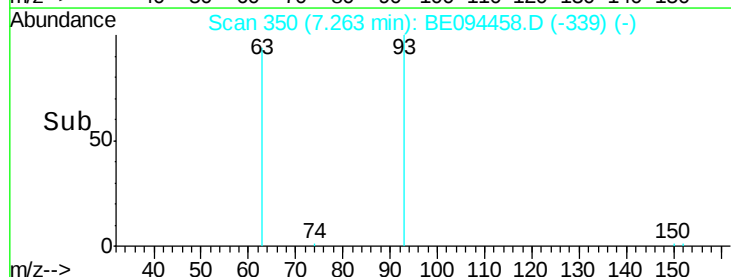
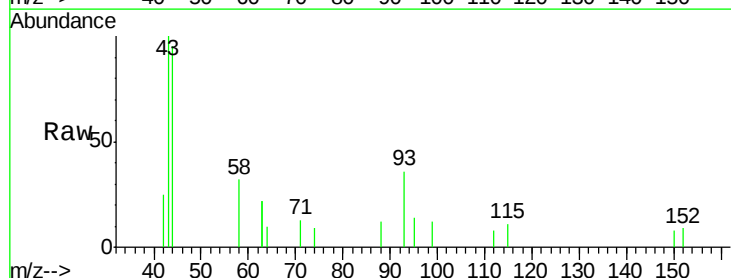
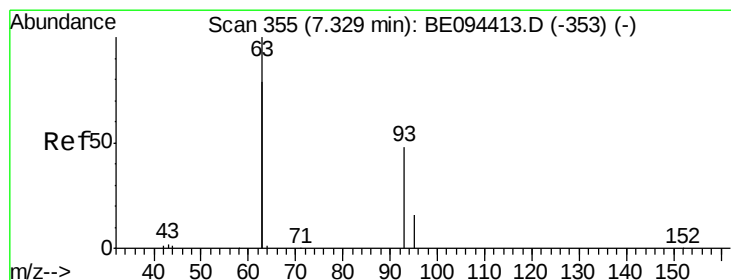
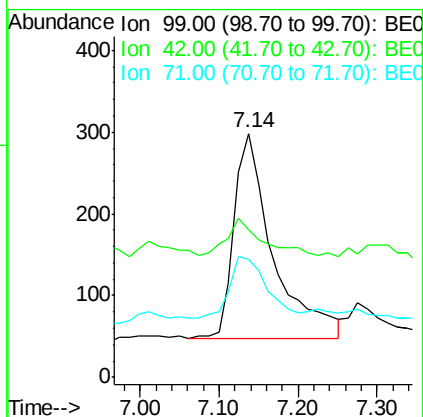
Tgt Ion: 99 Resp: 857

Ion Ratio Lower Upper

99 100

42 16.5 20.2 30.2#

71 28.7 28.4 42.6



#6

bis(2-Chloroethyl)ether

Concen: 0.091 ng

RT: 7.26 min Scan# 350

Delta R.T. -0.07 min

Lab File: BE094458.D

Acq: 19 Oct 2017 22:42

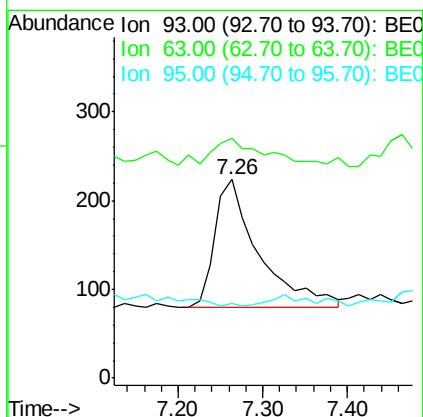
Tgt Ion: 93 Resp: 519

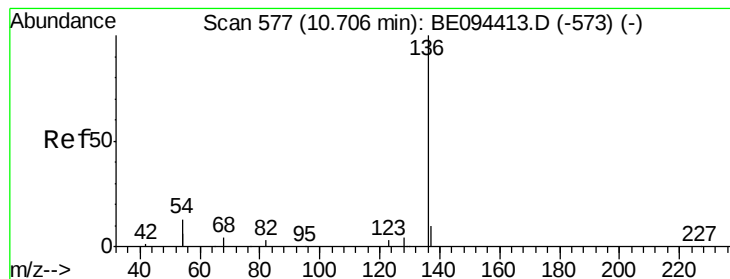
Ion Ratio Lower Upper

93 100

63 23.9 275.3 412.9#

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: BE094458.D

Acq: 19 Oct 2017 22:42

Instrument :

BNA_E

ClientSampleId :

3911-SPP4

Tgt Ion: 136 Resp: 7714

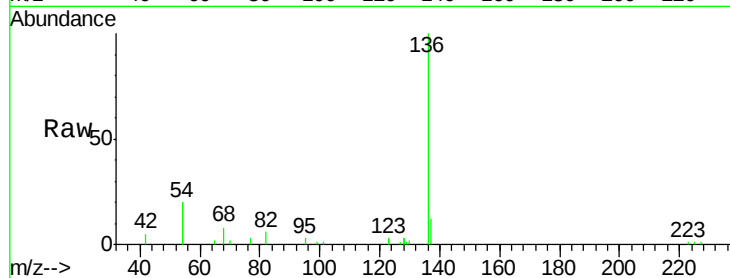
Ion Ratio Lower Upper

136 100

137 12.1 9.5 14.3

54 39.5 29.1 43.7

68 8.4 6.2 9.2

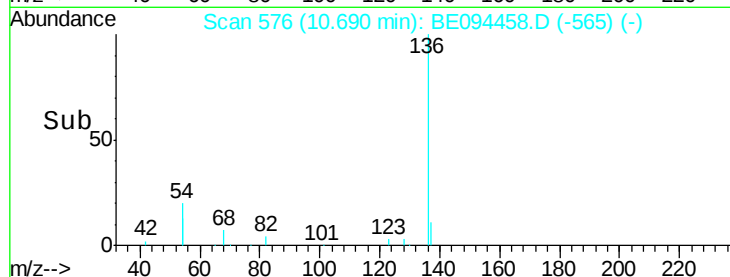


Abundance Ion 136.00 (135.70 to 136.70): E

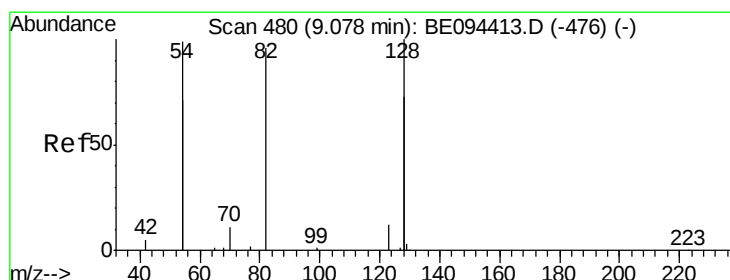
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



Time-->



#8

Nitrobenzene-d5

Concen: 0.421 ng

RT: 9.06 min Scan# 479

Delta R.T. -0.02 min

Lab File: BE094458.D

Acq: 19 Oct 2017 22:42

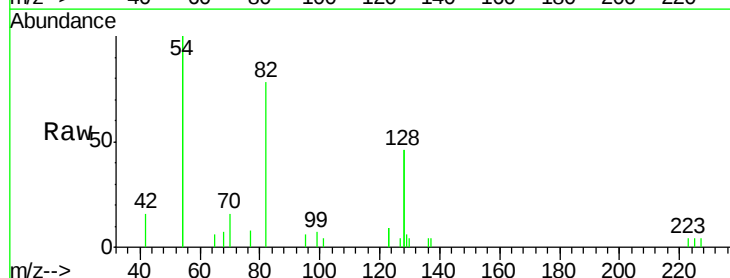
Tgt Ion: 82 Resp: 2820

Ion Ratio Lower Upper

82 100

128 117.2 150.0 225.0#

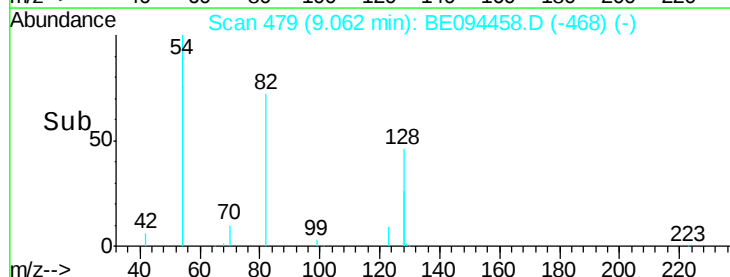
54 256.6 154.2 231.4#



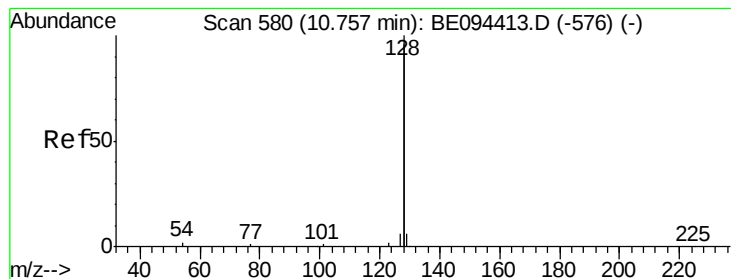
Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0



Time-->



#9

Naphthalene

Concen: 0.004 ng

RT: 10.74 min Scan# 579

Delta R.T. -0.02 min

Lab File: BE094458.D

Acq: 19 Oct 2017 22:42

Instrument :

BNA_E

ClientSampled :

3911-SPP4

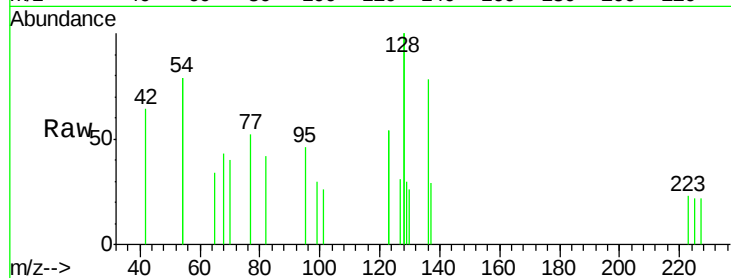
Tgt Ion:128 Resp: 346

Ion Ratio Lower Upper

128 100

129 15.1 2.6 3.8#

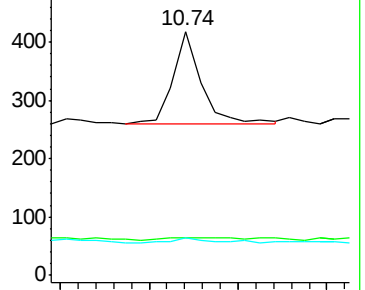
127 15.3 2.8 4.2#



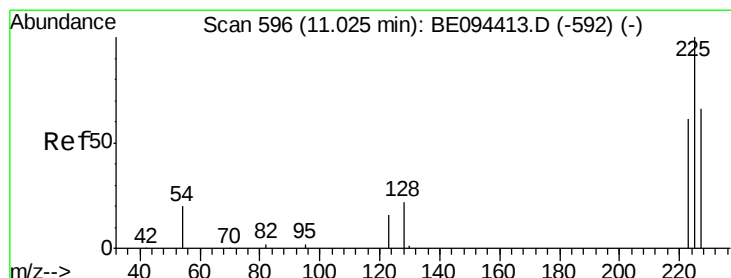
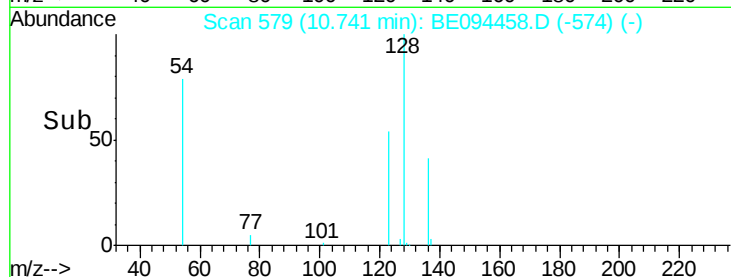
Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



Time--> 10.60 10.70 10.80



#10

Hexachlorobutadiene

Concen: 0.001 ng

RT: 11.01 min Scan# 595

Delta R.T. -0.02 min

Lab File: BE094458.D

Acq: 19 Oct 2017 22:42

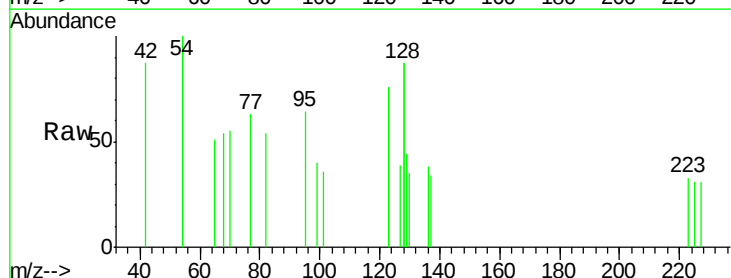
Tgt Ion:225 Resp: 4

Ion Ratio Lower Upper

225 100

223 25.0 53.0 79.6#

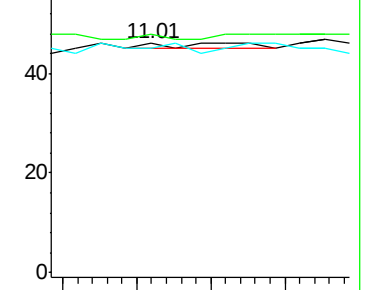
227 0.0 51.4 77.2#



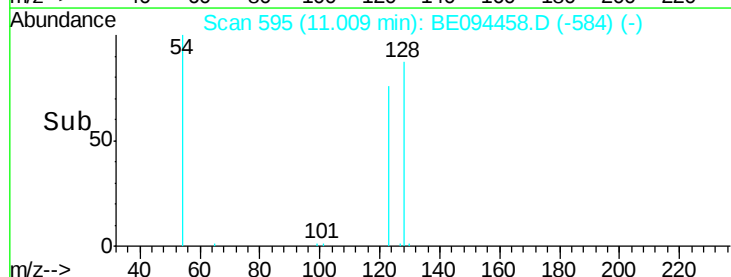
Abundance Ion 225.00 (224.70 to 225.70): E

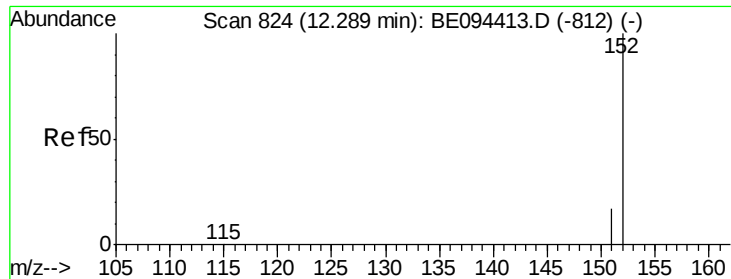
Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E



Time--> 10.95 11.00 11.05 11.10

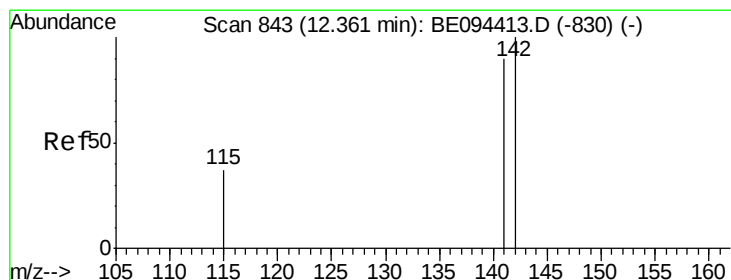
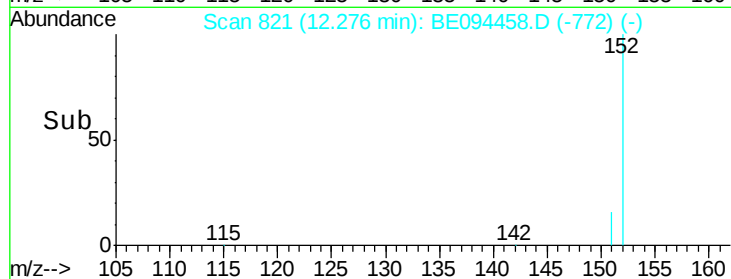
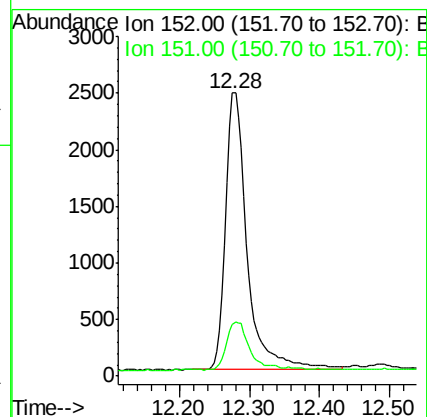
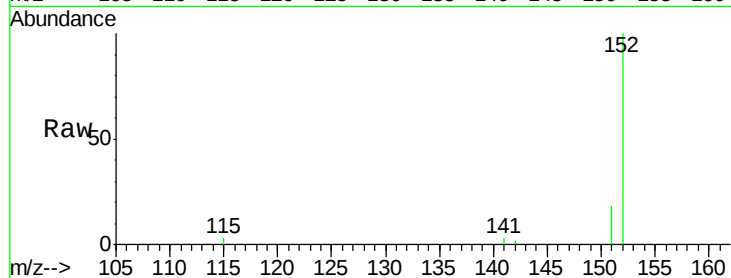




#11
2-Methylnaphthalene-d10
Concen: 0.439 ng
RT: 12.28 min Scan# 821
Delta R.T. -0.01 min
Lab File: BE094458.D
Acq: 19 Oct 2017 22:42

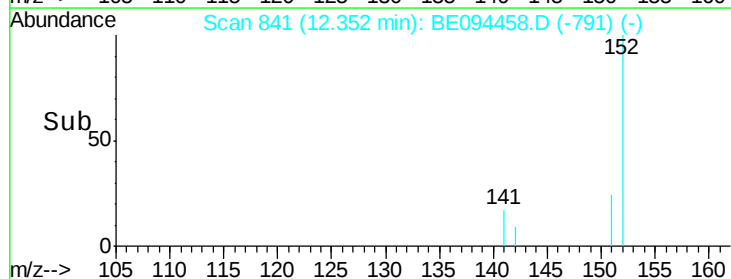
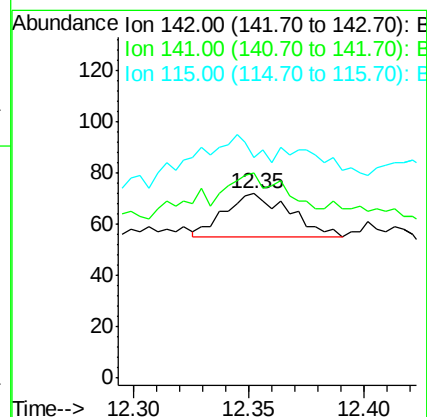
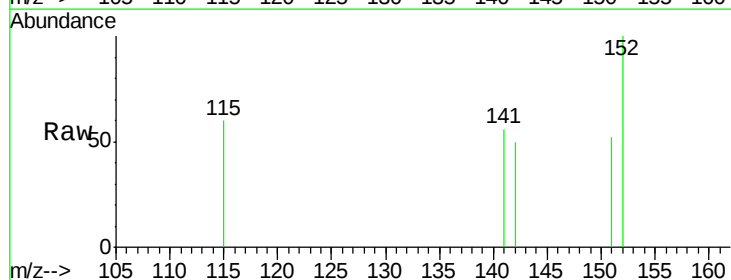
Instrument :
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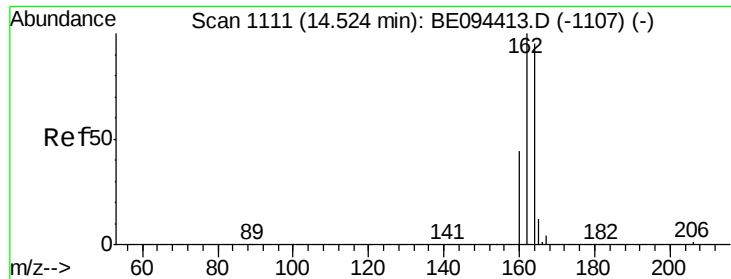
Tgt Ion:152 Resp: 5215
Ion Ratio Lower Upper
152 100
151 18.7 15.4 23.0



#12
2-Methylnaphthalene
Concen: 0.002 ng
RT: 12.35 min Scan# 841
Delta R.T. -0.01 min
Lab File: BE094458.D
Acq: 19 Oct 2017 22:42

Tgt Ion:142 Resp: 33
Ion Ratio Lower Upper
142 100
141 111.1 70.4 105.6#
115 119.4 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: BE094458.D

Acq: 19 Oct 2017 22:42

Instrument :

BNA_E

ClientSampleId :

3911-SPP4

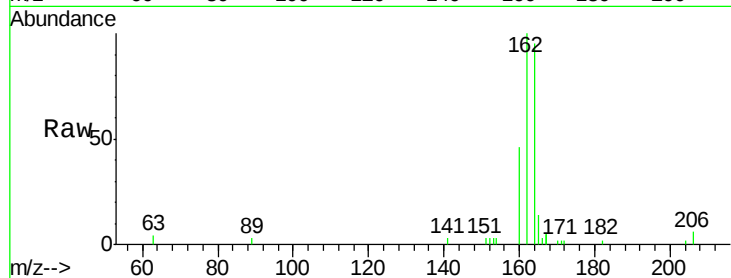
Tgt Ion:164 Resp: 4607

Ion Ratio Lower Upper

164 100

162 105.2 83.1 124.7

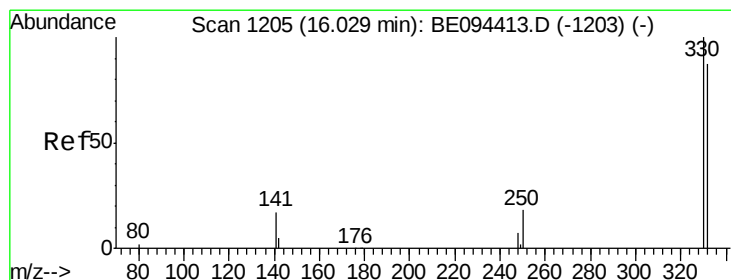
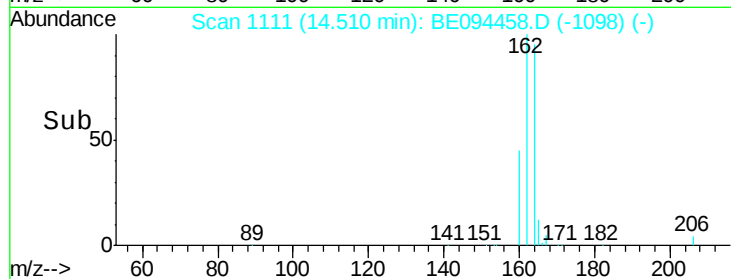
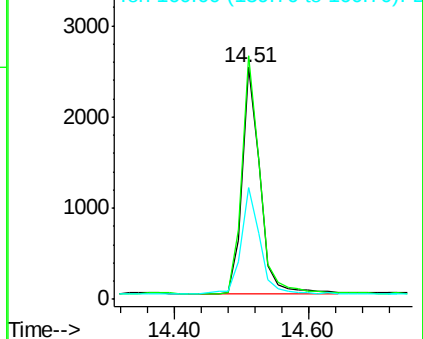
160 48.6 37.1 55.7



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: 0.299 ng

RT: 16.03 min Scan# 1206

Delta R.T. 0.00 min

Lab File: BE094458.D

Acq: 19 Oct 2017 22:42

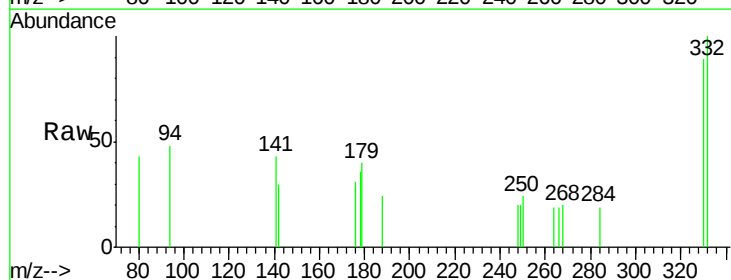
Tgt Ion:330 Resp: 524

Ion Ratio Lower Upper

330 100

332 103.4 152.7 229.1#

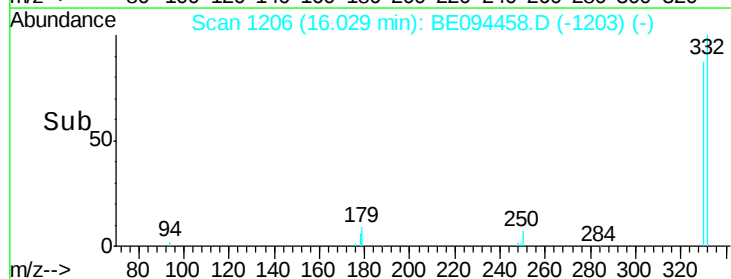
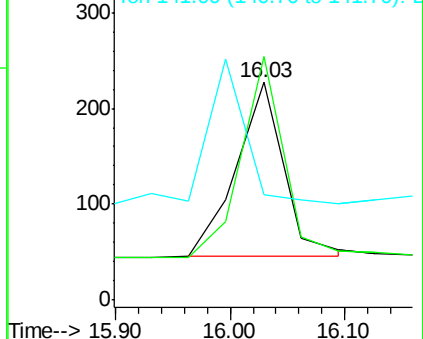
141 0.0 33.7 50.5#

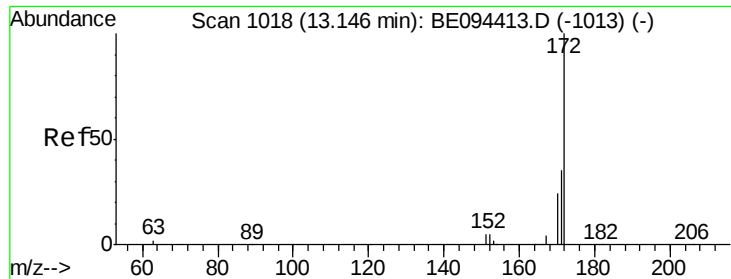


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

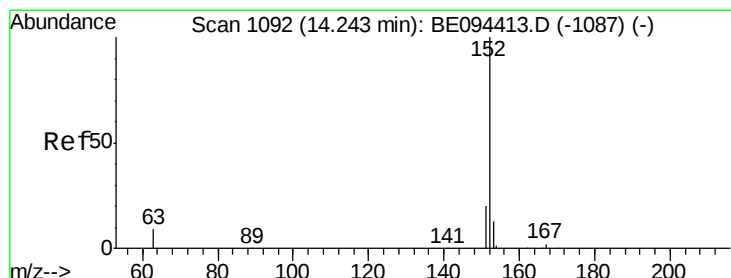
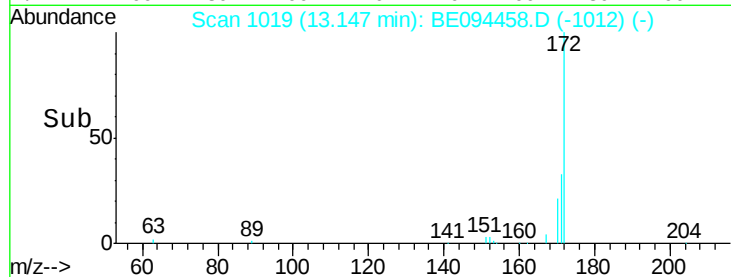
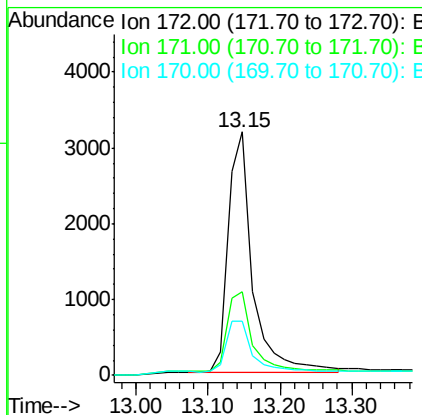
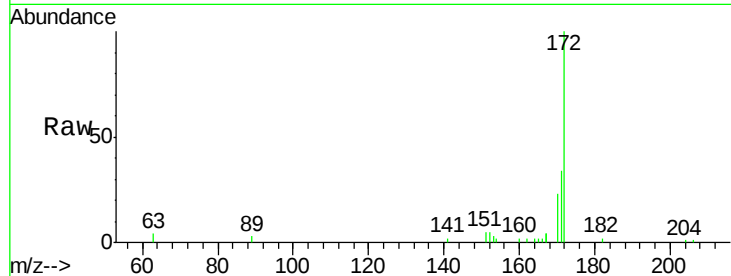




#15
2-Fluorobiphenyl
Concen: 0.451 ng
RT: 13.15 min Scan# 1019
Delta R.T. 0.00 min
Lab File: BE094458.D
Acq: 19 Oct 2017 22:42

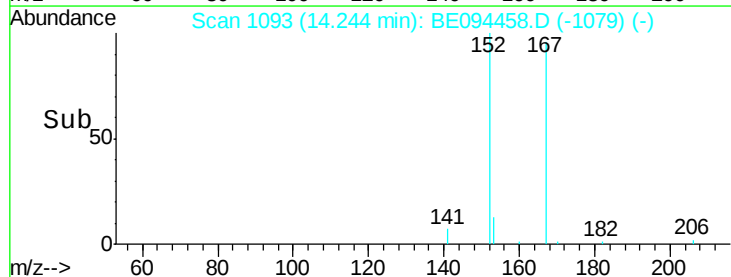
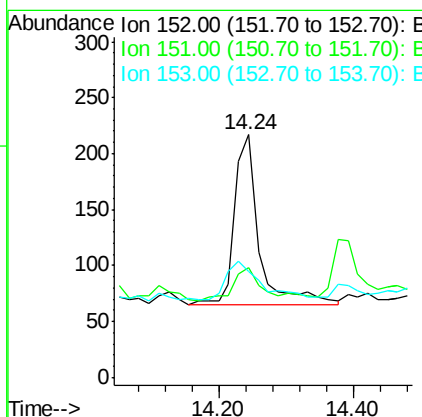
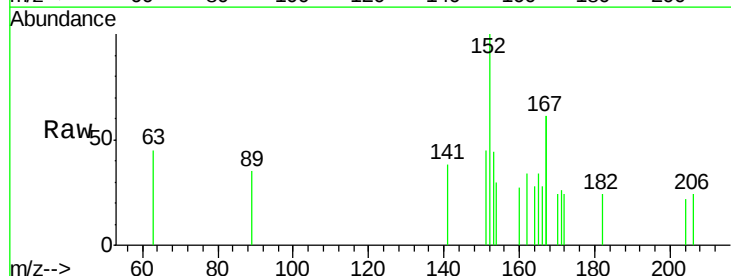
Instrument :
BNA_E
ClientSampleId :
3911-SPP4

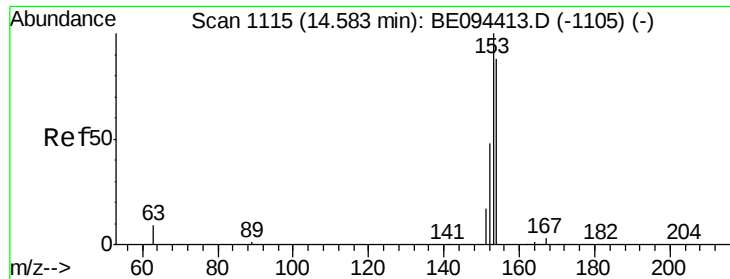
Tgt Ion:172 Resp: 7417
Ion Ratio Lower Upper
172 100
171 34.2 29.9 44.9
170 22.5 21.8 32.8



#16
Acenaphthylene
Concen: 0.015 ng
RT: 14.24 min Scan# 1093
Delta R.T. 0.00 min
Lab File: BE094458.D
Acq: 19 Oct 2017 22:42

Tgt Ion:152 Resp: 383
Ion Ratio Lower Upper
152 100
151 24.3 15.7 23.5#
153 31.3 10.5 15.7#





#17

Acenaphthene

Concen: 0.001 ng

RT: 14.57 min Scan# 1115

Delta R.T. -0.01 min

Lab File: BE094458.D

Acq: 19 Oct 2017 22:42

Instrument :

BNA_E

ClientSampleId :

3911-SPP4

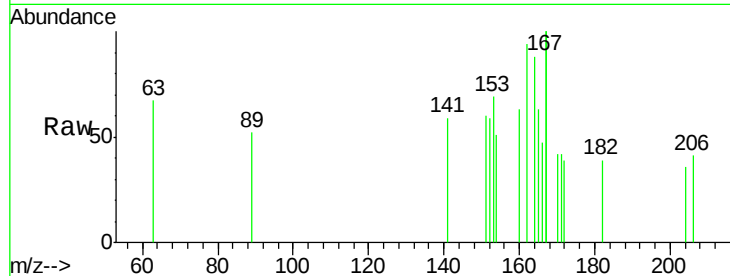
Tgt Ion:154 Resp: 18

Ion Ratio Lower Upper

154 100

153 233.3 89.2 133.8#

152 250.0 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

120

100

80

60

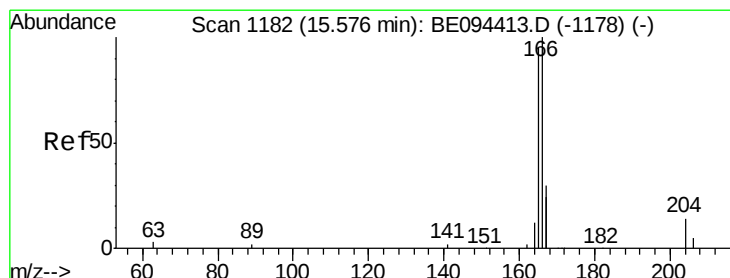
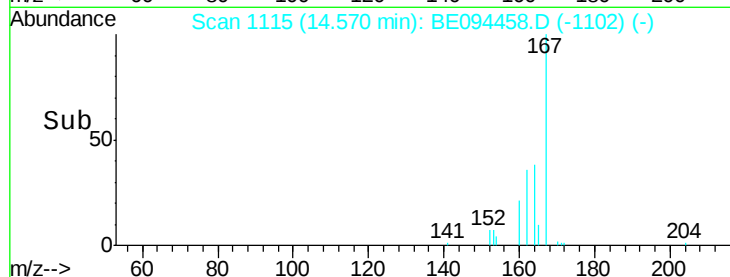
40

20

0

14.55 14.60

Time-->



#18

Fluorene

Concen: 0.005 ng

RT: 15.56 min Scan# 1182

Delta R.T. -0.01 min

Lab File: BE094458.D

Acq: 19 Oct 2017 22:42

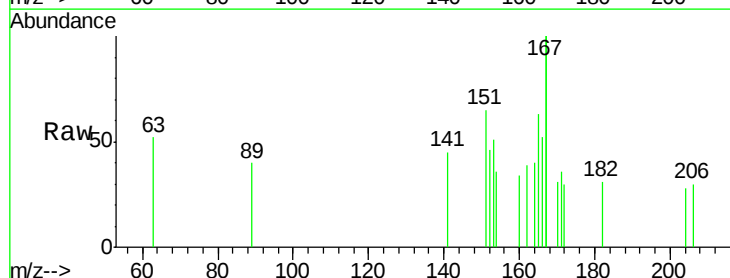
Tgt Ion:166 Resp: 96

Ion Ratio Lower Upper

166 100

165 83.3 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

1200

1000

800

600

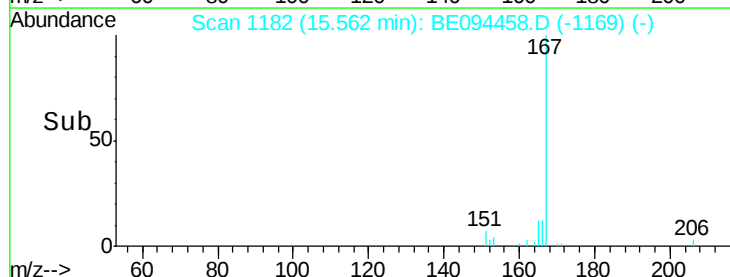
400

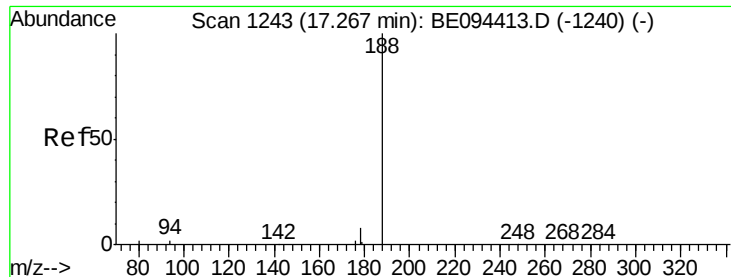
200

0

15.40 15.50 15.60

Time-->





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.24 min Scan# 1243

Delta R.T. -0.03 min

Lab File: BE094458.D

Acq: 19 Oct 2017 22:42

Instrument :

BNA_E

ClientSampleId :

3911-SPP4

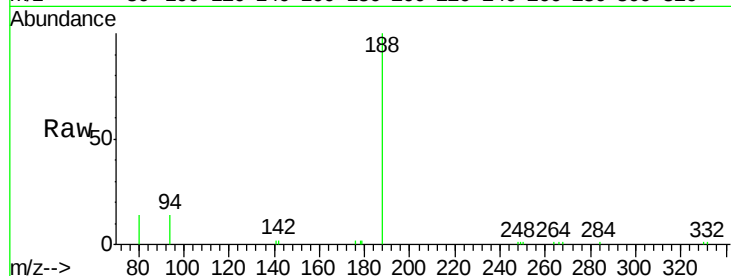
Tgt Ion:188 Resp: 12462

Ion Ratio Lower Upper

188 100

94 14.0 3.9 5.9#

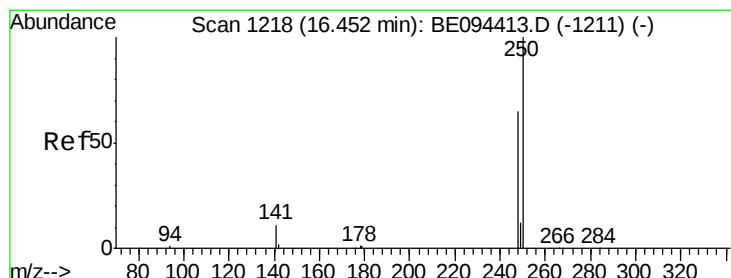
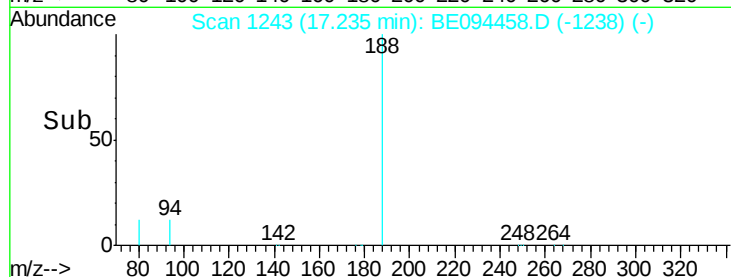
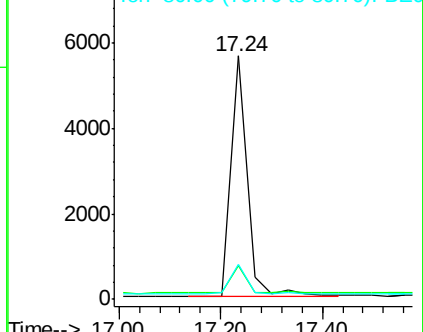
80 14.1 3.6 5.4#



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: 16.45 min Scan# 1219

Delta R.T. 0.00 min

Lab File: BE094458.D

Acq: 19 Oct 2017 22:42

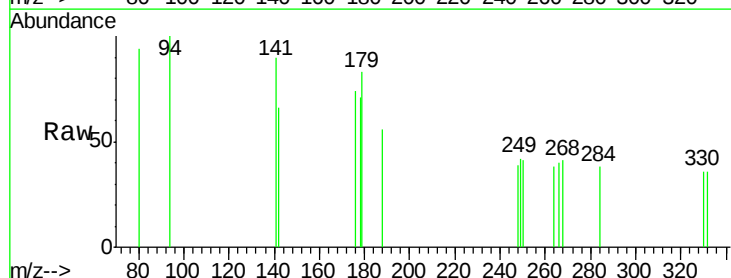
Tgt Ion:248 Resp: 12

Ion Ratio Lower Upper

248 100

250 104.1 62.7 94.1#

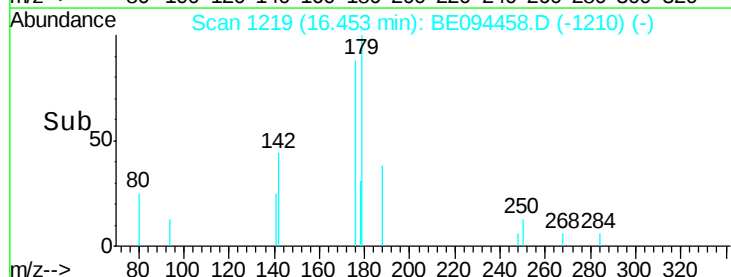
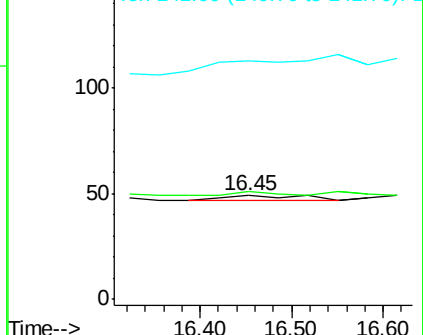
141 230.6 48.2 72.2#

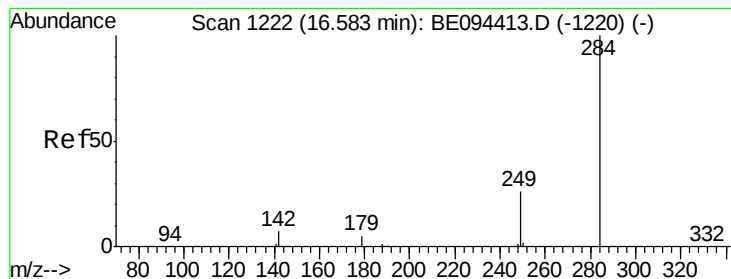


Abundance Ion 248.00 (247.70 to 248.70): E

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: 16.58 min Scan# 1223

Delta R.T. 0.00 min

Lab File: BE094458.D

Acq: 19 Oct 2017 22:42

Instrument :

BNA_E

ClientSampleId :

3911-SPP4

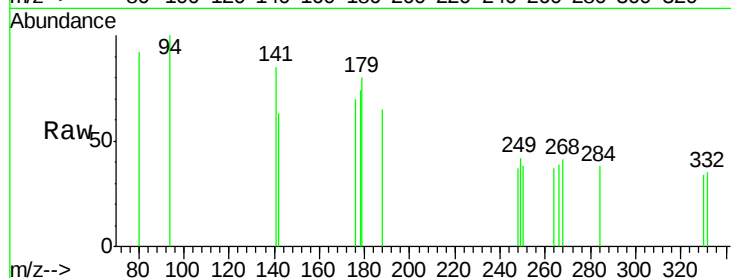
Tgt Ion: 284 Resp: 14

Ion Ratio Lower Upper

284 100

142 0.0 22.1 33.1#

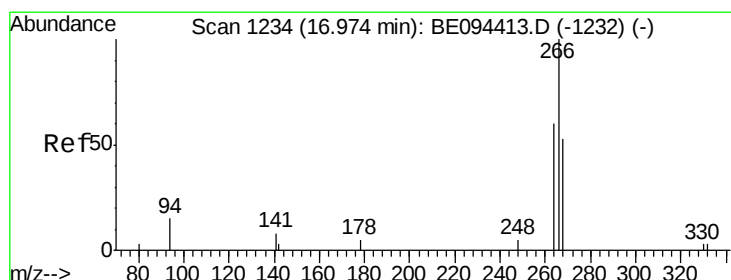
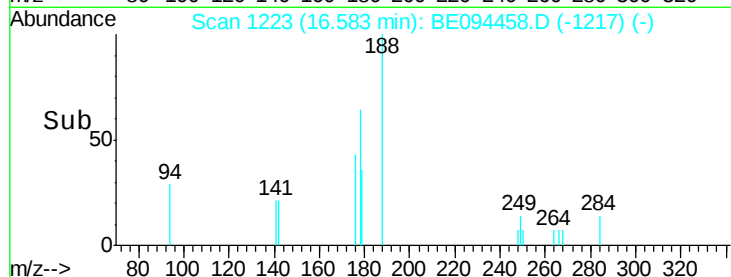
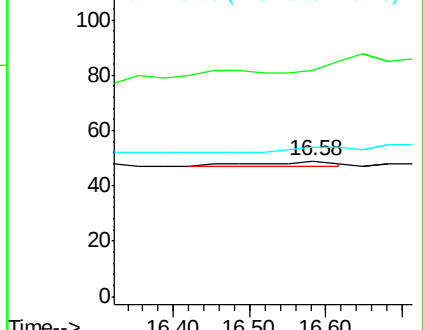
249 0.0 34.8 52.2#



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: 0.249 ng

RT: 16.94 min Scan# 1234

Delta R.T. -0.03 min

Lab File: BE094458.D

Acq: 19 Oct 2017 22:42

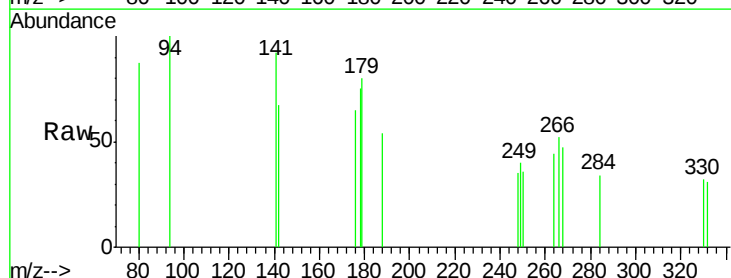
Tgt Ion: 266 Resp: 121

Ion Ratio Lower Upper

266 100

264 85.1 72.5 108.7

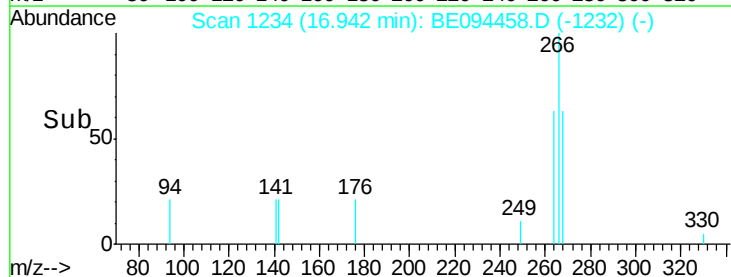
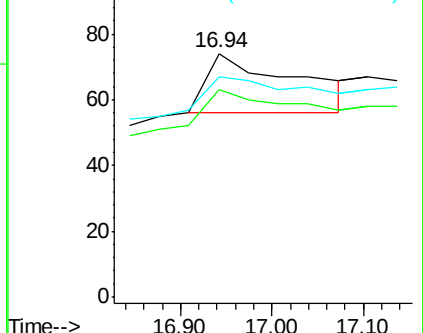
268 90.5 73.8 110.6

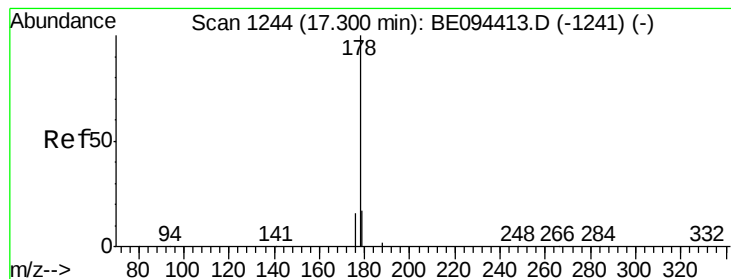


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.020 ng

RT: 17.37 min Scan# 1247

Delta R.T. 0.07 min

Lab File: BE094458.D

Acq: 19 Oct 2017 22:42

Instrument :

BNA_E

ClientSampleId :

3911-SPP4

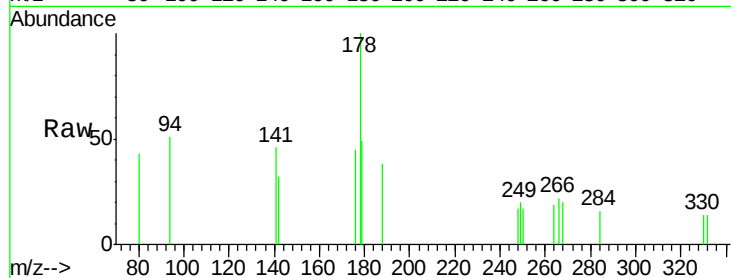
Tgt Ion:178 Resp: 966

Ion Ratio Lower Upper

178 100

176 22.7 15.1 22.7

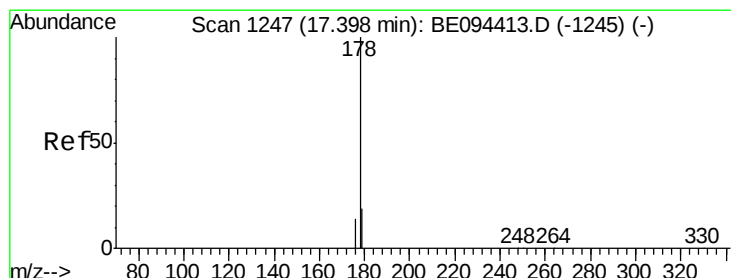
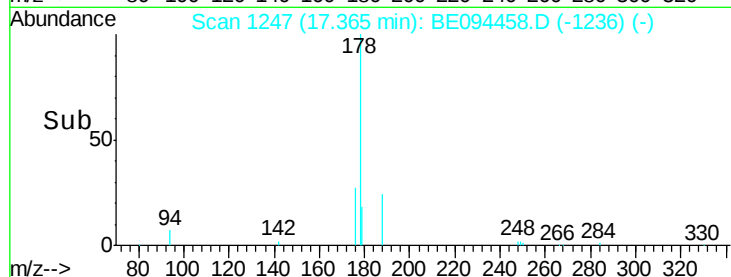
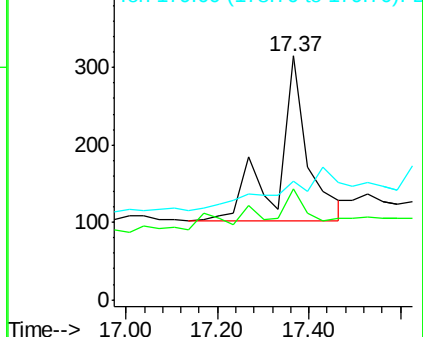
179 0.0 11.8 17.6#



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: 0.027 ng

RT: 17.37 min Scan# 1247

Delta R.T. -0.03 min

Lab File: BE094458.D

Acq: 19 Oct 2017 22:42

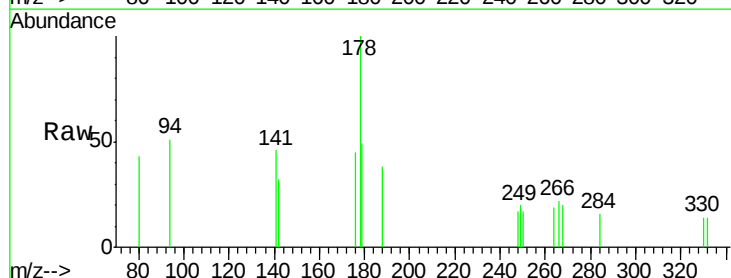
Tgt Ion:178 Resp: 1019

Ion Ratio Lower Upper

178 100

176 22.9 12.8 19.2#

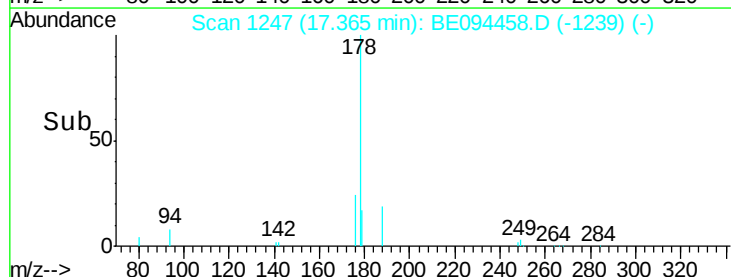
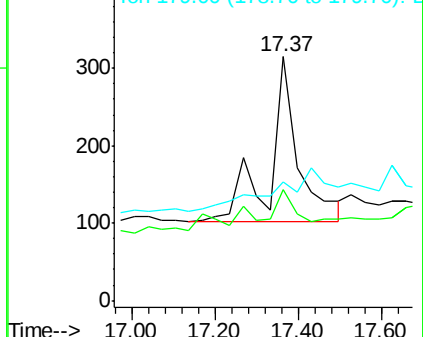
179 0.0 13.0 19.6#

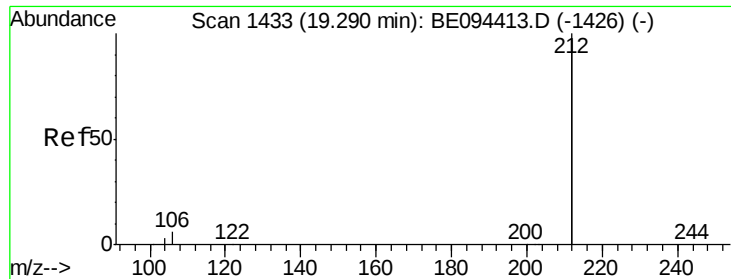


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

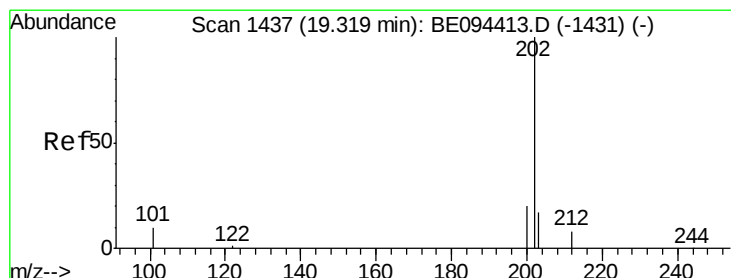
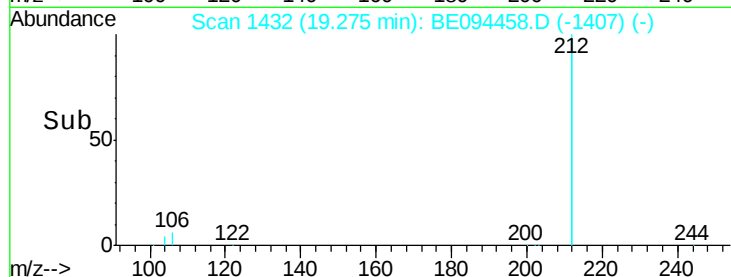
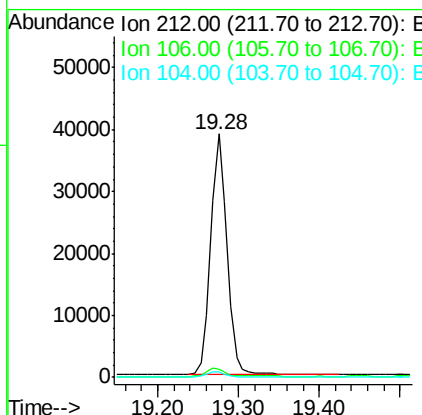
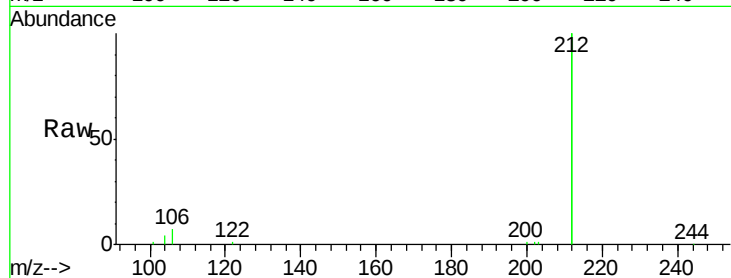




#25
 Fluoranthene-d10
 Concen: 0.271 ng
 RT: 19.28 min Scan# 1432
 Delta R.T. -0.01 min
 Lab File: BE094458.D
 Acq: 19 Oct 2017 22:42

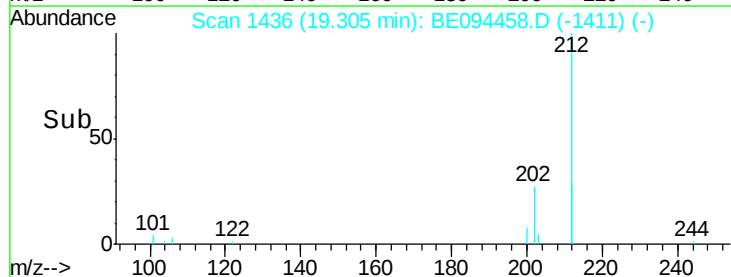
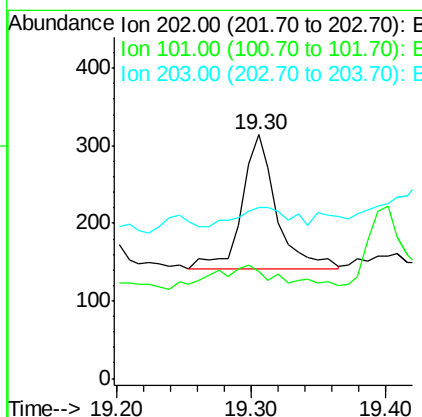
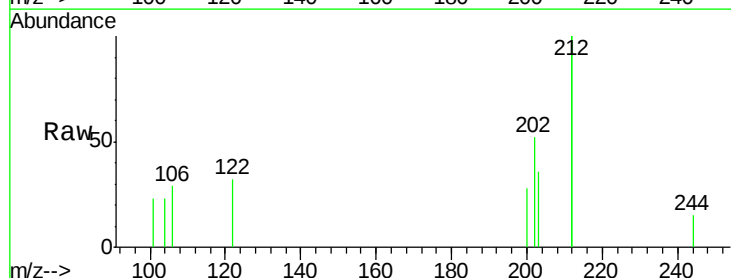
Instrument :
 BNA_E
 ClientSampled :
 3911-SPP4

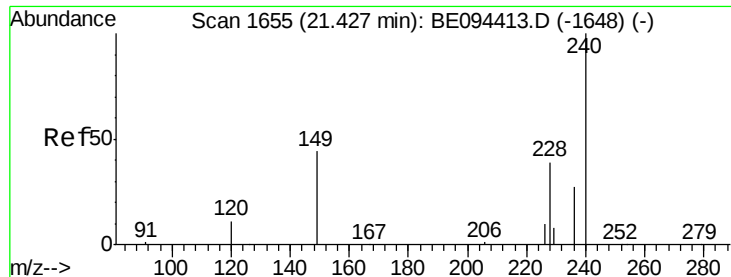
Tgt Ion: 212 Resp: 54417
 Ion Ratio Lower Upper
 212 100
 106 3.6 2.8 4.2
 104 2.0 1.6 2.4



#26
 Fluoranthene
 Concen: 0.005 ng
 RT: 19.30 min Scan# 1436
 Delta R.T. -0.01 min
 Lab File: BE094458.D
 Acq: 19 Oct 2017 22:42

Tgt Ion: 202 Resp: 311
 Ion Ratio Lower Upper
 202 100
 101 30.9 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: BE094458.D

Acq: 19 Oct 2017 22:42

Instrument :

BNA_E

ClientSampleId :

3911-SPP4

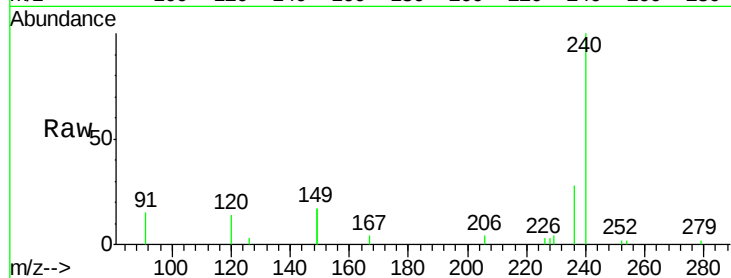
Tgt Ion:240 Resp: 10707

Ion Ratio Lower Upper

240 100

120 14.0 5.5 8.3#

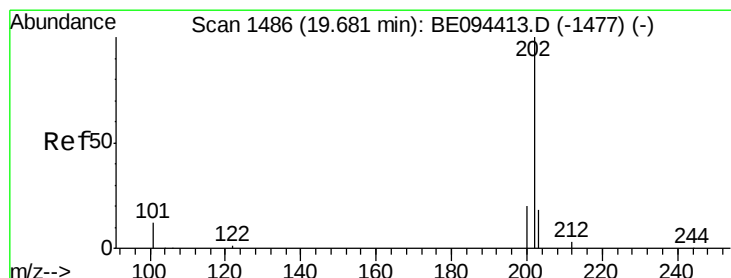
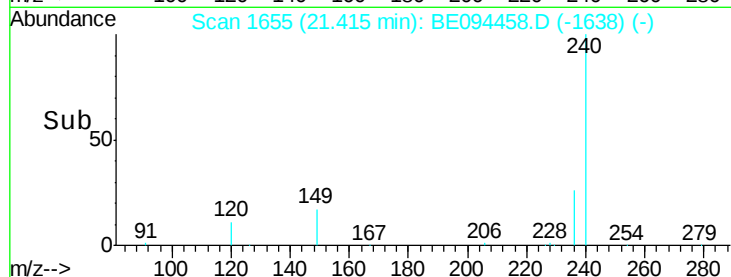
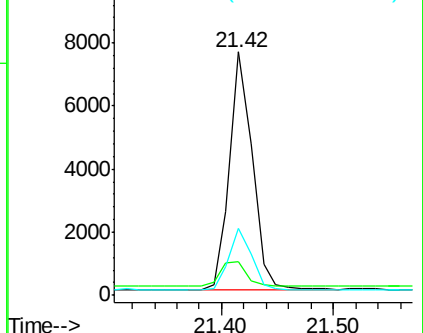
236 27.6 20.7 31.1



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: 0.007 ng

RT: 19.67 min Scan# 1485

Delta R.T. -0.01 min

Lab File: BE094458.D

Acq: 19 Oct 2017 22:42

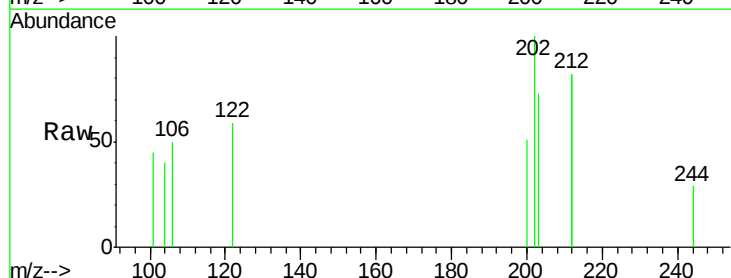
Tgt Ion:202 Resp: 285

Ion Ratio Lower Upper

202 100

200 40.4 16.6 25.0#

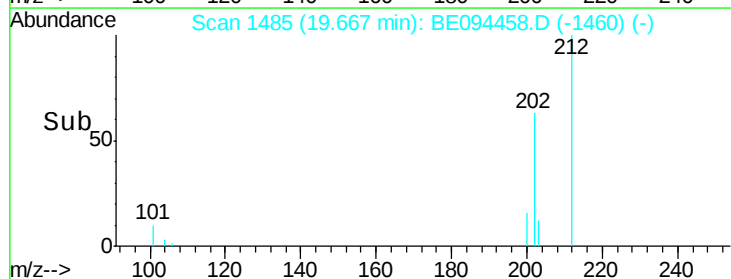
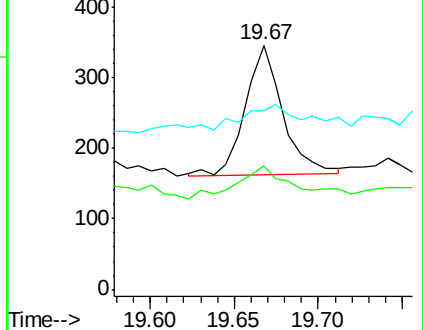
203 34.0 13.8 20.8#

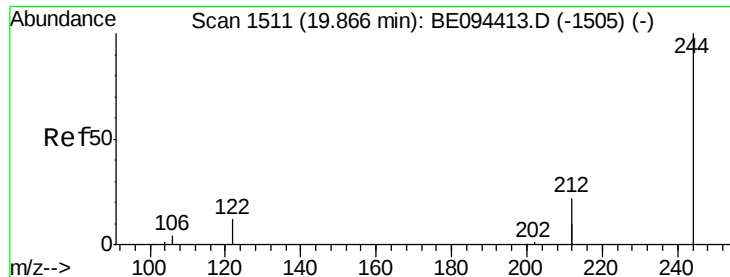


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.508 ng

RT: 19.85 min Scan# 1510

Delta R.T. -0.01 min

Lab File: BE094458.D

Acq: 19 Oct 2017 22:42

Instrument :

BNA_E

ClientSampled :

3911-SPP4

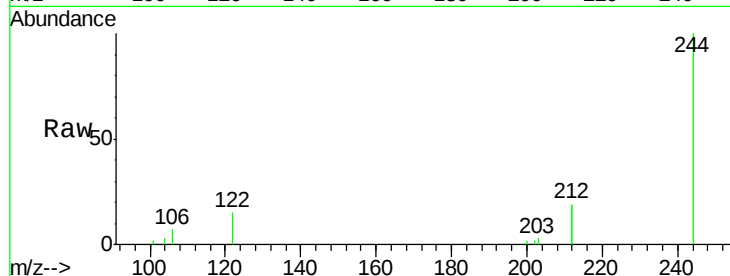
Tgt Ion:244 Resp: 10985

Ion Ratio Lower Upper

244 100

212 38.5 25.4 38.0#

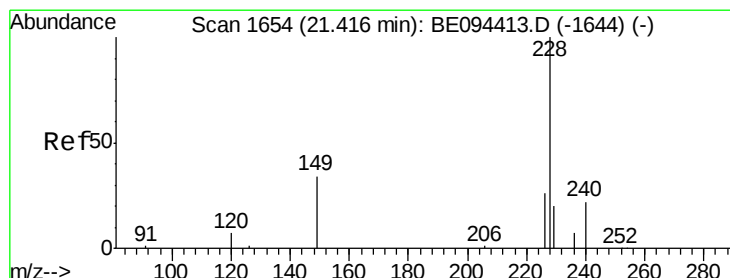
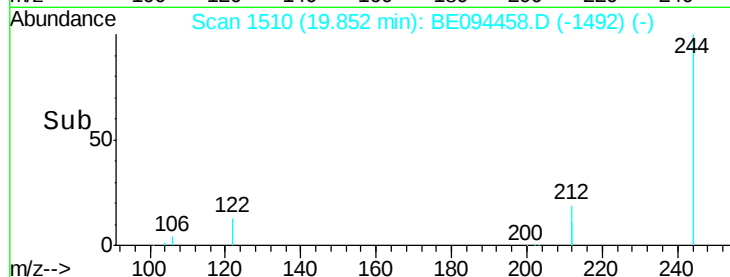
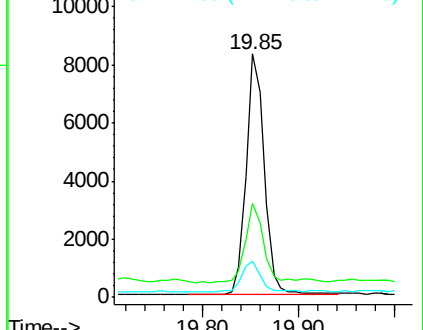
122 15.1 8.1 12.1#



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: 0.006 ng

RT: 21.40 min Scan# 1654

Delta R.T. -0.01 min

Lab File: BE094458.D

Acq: 19 Oct 2017 22:42

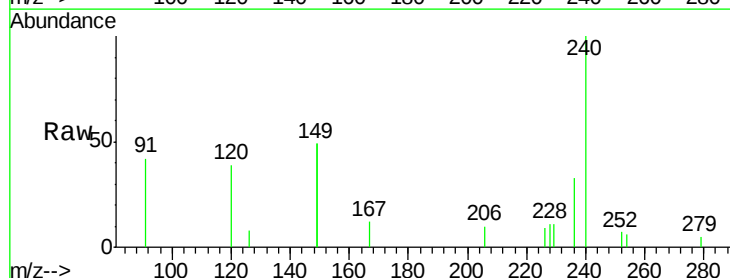
Tgt Ion:228 Resp: 231

Ion Ratio Lower Upper

228 100

226 79.7 40.0 60.0#

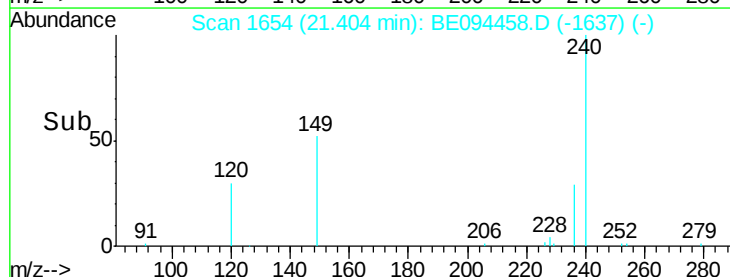
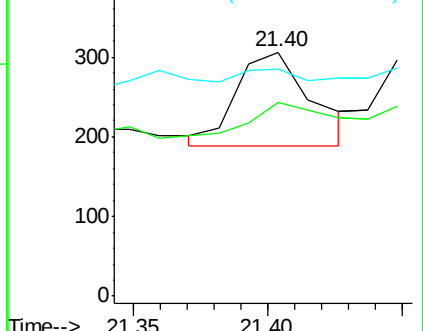
229 93.1 40.0 60.0#

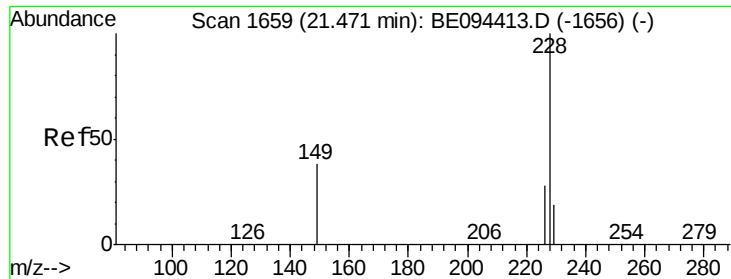


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.006 ng

RT: 21.46 min Scan# 1659

Delta R.T. -0.01 min

Lab File: BE094458.D

Acq: 19 Oct 2017 22:42

Instrument :

BNA_E

ClientSampleId :

3911-SPP4

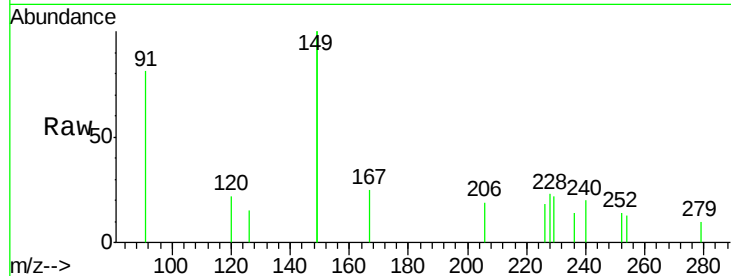
Tgt Ion: 228 Resp: 228

Ion Ratio Lower Upper

228 100

226 76.9 40.0 60.0#

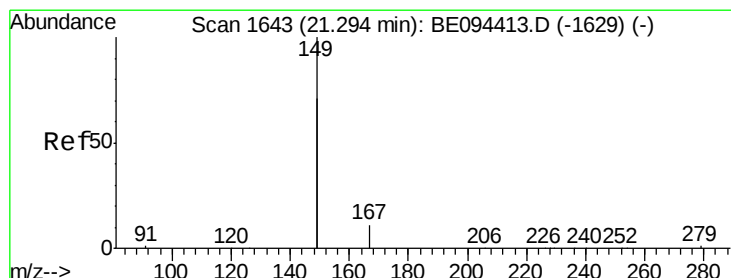
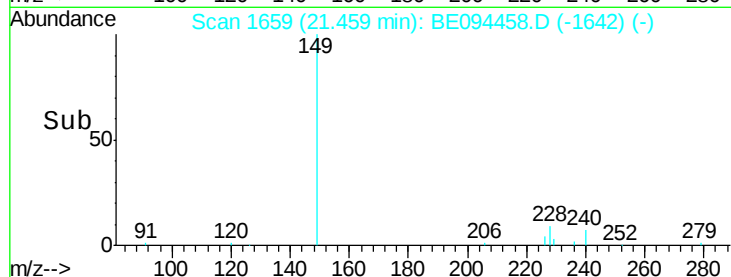
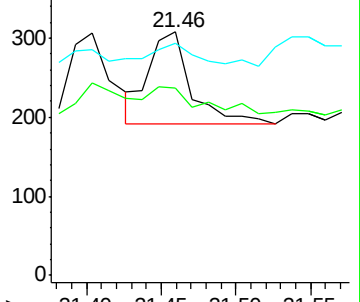
229 95.1 40.0 60.0#



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: 21.29 min Scan# 1644

Delta R.T. -0.00 min

Lab File: BE094458.D

Acq: 19 Oct 2017 22:42

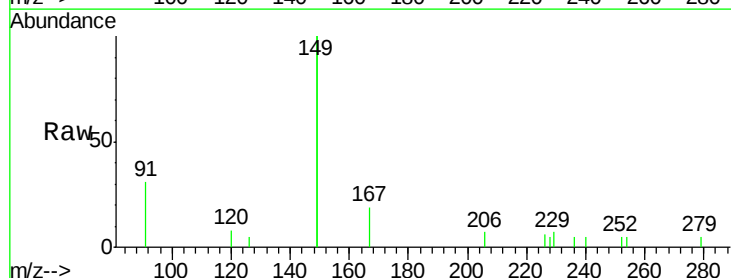
Tgt Ion: 149 Resp: 6485

Ion Ratio Lower Upper

149 100

167 7.1 5.4 8.0

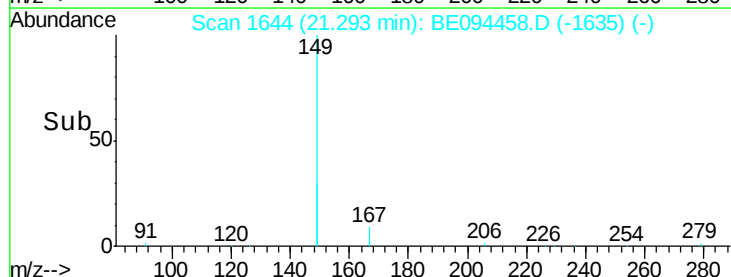
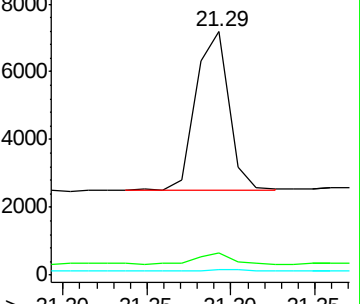
279 1.2 0.7 1.1#

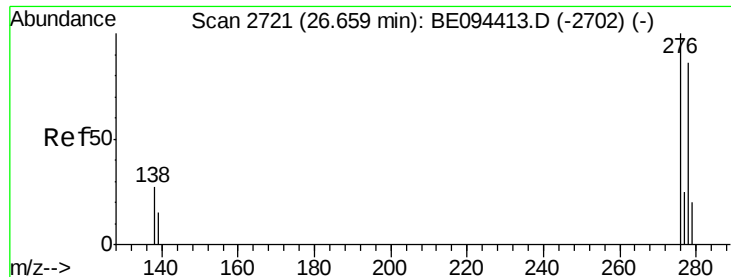


Abundance Ion 149.00 (148.70 to 149.70): E

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: 26.62 min Scan# 2713

Delta R.T. -0.04 min

Lab File: BE094458.D

Acq: 19 Oct 2017 22:42

Instrument :

BNA_E

ClientSampleId :

3911-SPP4

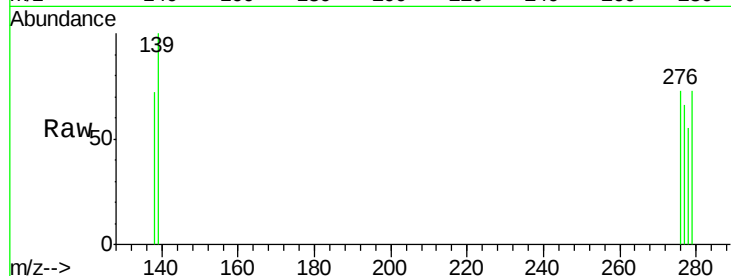
Tgt Ion:276 Resp: 182

Ion Ratio Lower Upper

276 100

138 6.6 22.5 33.7#

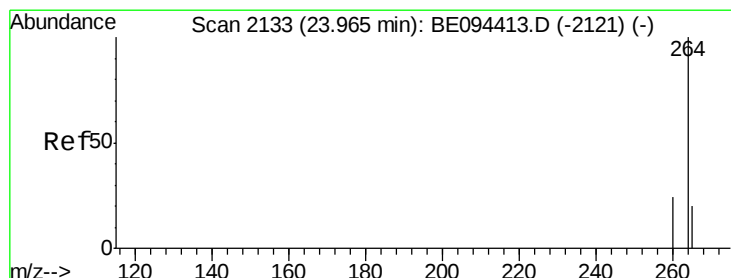
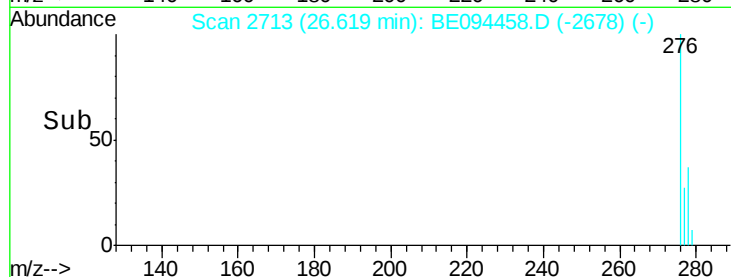
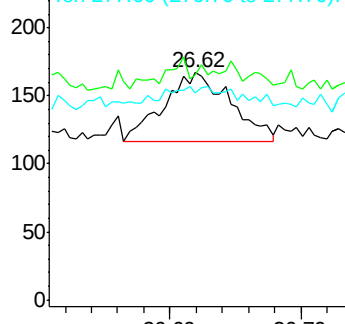
277 0.0 19.9 29.9#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.94 min Scan# 2128

Delta R.T. -0.03 min

Lab File: BE094458.D

Acq: 19 Oct 2017 22:42

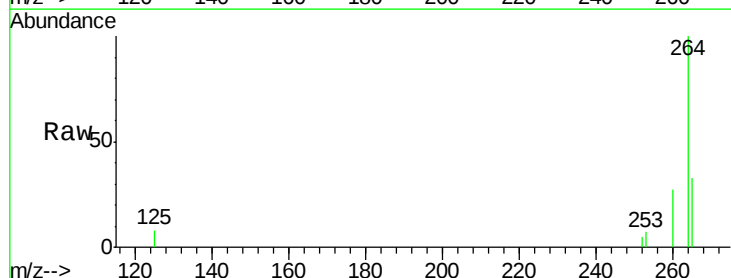
Tgt Ion:264 Resp: 10069

Ion Ratio Lower Upper

264 100

260 27.1 20.5 30.7

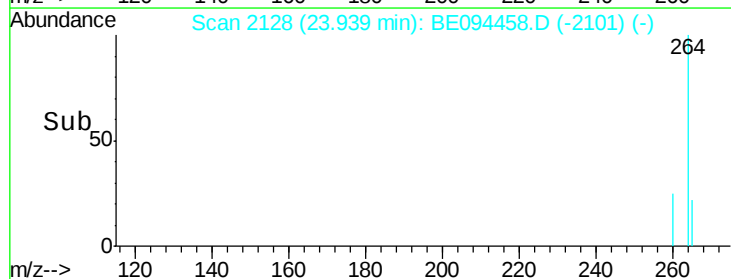
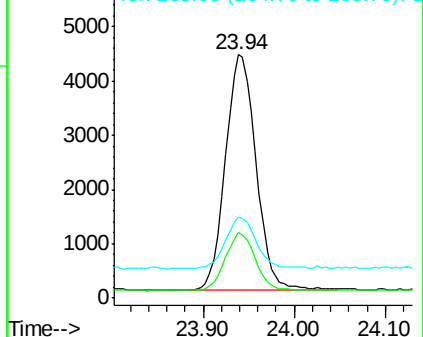
265 33.2 22.8 34.2

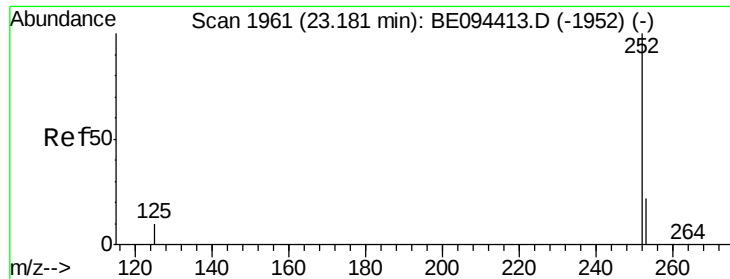


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.008 ng

RT: 23.17 min Scan# 1959

Delta R.T. -0.01 min

Lab File: BE094458.D

Acq: 19 Oct 2017 22:42

Instrument :

BNA_E

ClientSampleId :

3911-SPP4

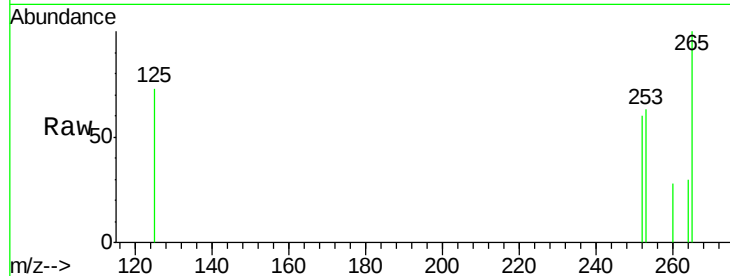
Tgt Ion:252 Resp: 275

Ion Ratio Lower Upper

252 100

253 103.9 48.0 72.0#

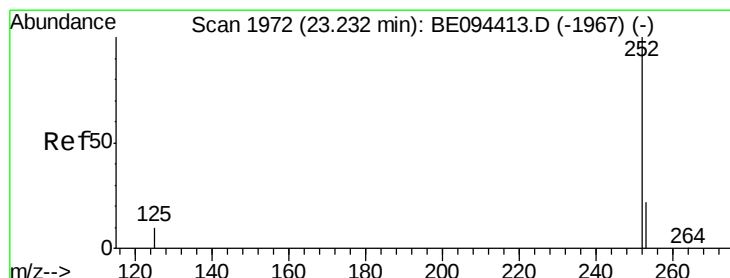
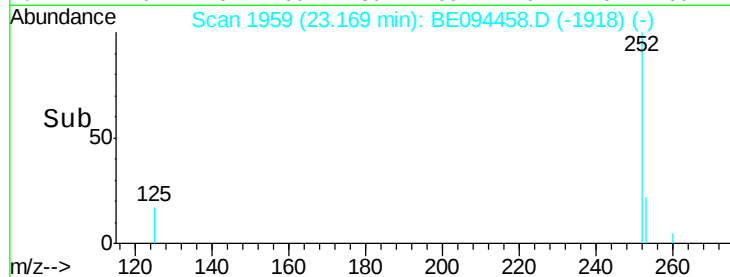
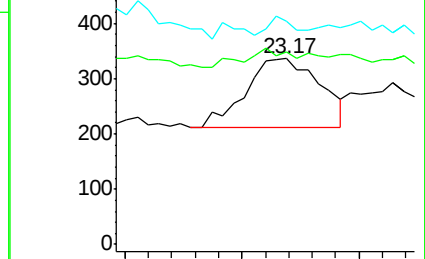
125 120.5 56.0 84.0#



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: 0.008 ng

RT: 23.17 min Scan# 1959

Delta R.T. -0.06 min

Lab File: BE094458.D

Acq: 19 Oct 2017 22:42

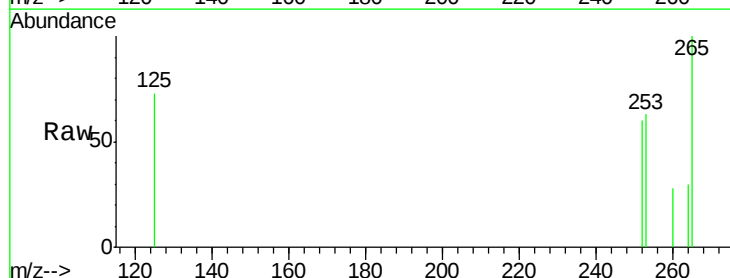
Tgt Ion:252 Resp: 275

Ion Ratio Lower Upper

252 100

253 103.9 48.0 72.0#

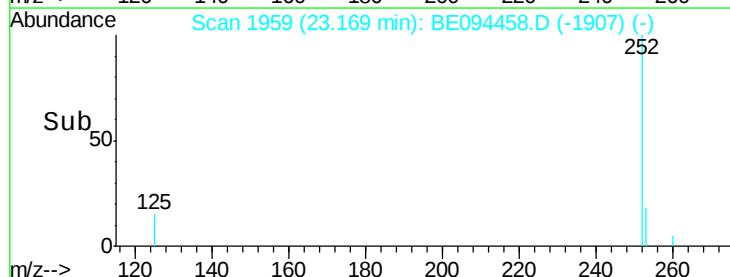
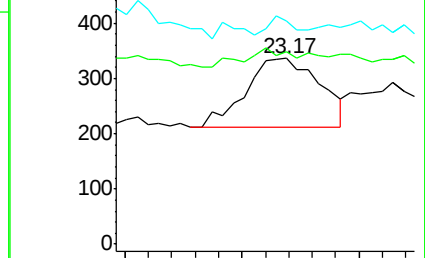
125 120.5 56.0 84.0#

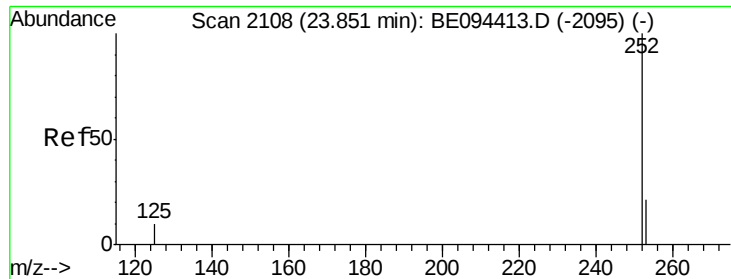


Abundance Ion 252.00 (251.70 to 252.70): E

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: BE094458.D

Acq: 19 Oct 2017 22:42

Instrument :

BNA_E

ClientSampleId :

3911-SPP4

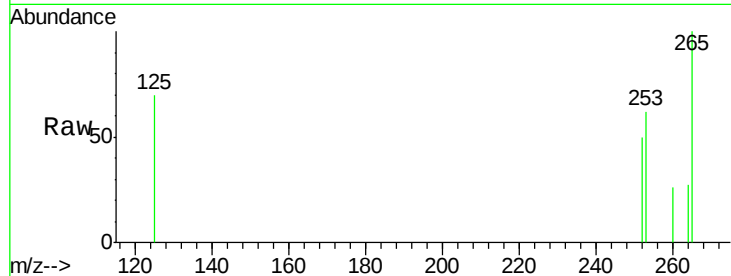
Tgt Ion: 252 Resp: 114

Ion Ratio Lower Upper

252 100

253 123.8 52.0 78.0#

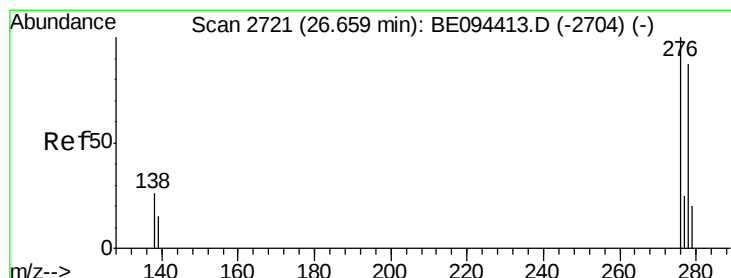
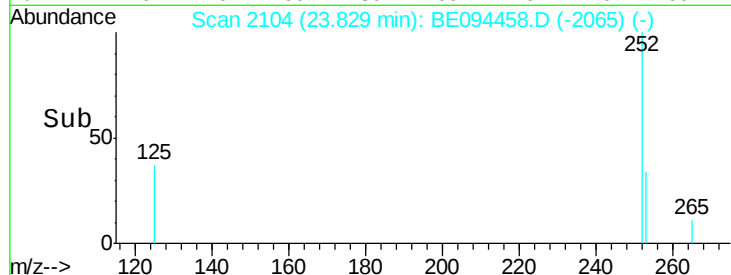
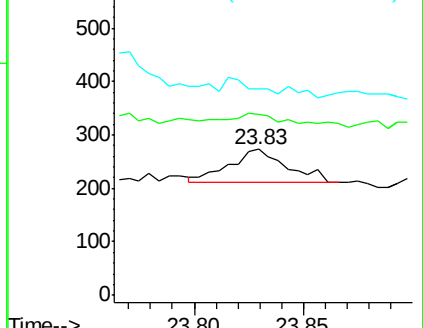
125 141.8 68.0 102.0#



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: 26.62 min Scan# 2714

Delta R.T. -0.04 min

Lab File: BE094458.D

Acq: 19 Oct 2017 22:42

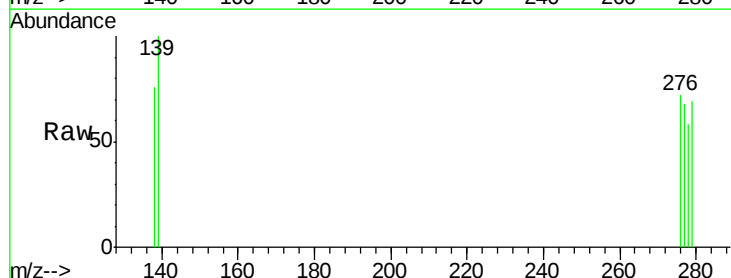
Tgt Ion: 278 Resp: 49

Ion Ratio Lower Upper

278 100

139 171.4 56.0 84.0#

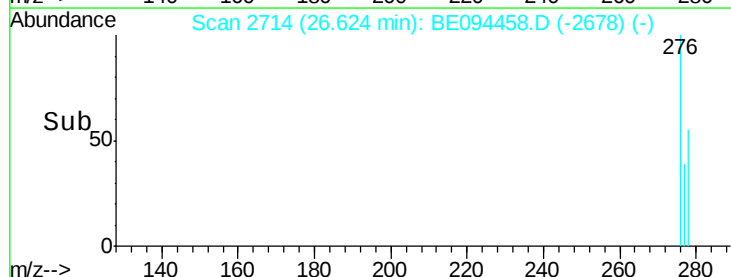
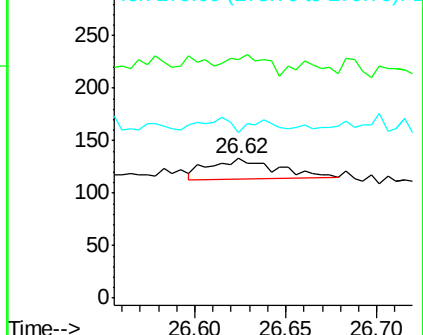
279 118.8 52.0 78.0#

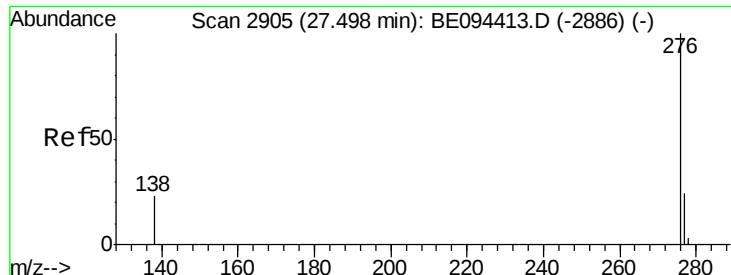


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.006 ng

RT: 27.46 min Scan# 2897

Delta R.T. -0.04 min

Lab File: BE094458.D

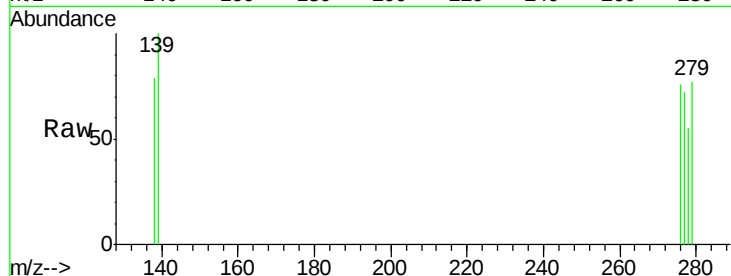
Acq: 19 Oct 2017 22:42

Instrument :

BNA_E

ClientSampleId :

3911-SPP4



Tgt Ion: 276 Resp: 162

Ion Ratio Lower Upper

276 100

277 95.5 52.0 78.0#

138 104.5 44.0 66.0#

