

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE101917\
 Data File : BE094446.D
 Acq On : 19 Oct 2017 14:09
 Operator : SJ/JU
 Sample : I5847-04
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 KY038PS033-171011

Quant Time: Oct 20 12:39:33 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	1315	0.40	ng	-0.01
7) Naphthalene-d8	10.71	136	6641	0.40	ng	0.00
13) Acenaphthene-d10	14.53	164	4149	0.40	ng	0.00
19) Phenanthrene-d10	17.24	188	8015	0.40	ng	-0.03
27) Chrysene-d12	21.43	240	9516	0.40	ng	0.00
34) Perylene-d12	23.95	264	9092	0.40	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.51	112	867	0.20	ng	0.00
5) Phenol-d6	7.14	99	647	0.09	ng	0.01
8) Nitrobenzene-d5	9.08	82	2677	0.46	ng	0.00
11) 2-Methylnaphthalene-d10	12.29	152	5183	0.51	ng	0.00
14) 2,4,6-Tribromophenol	16.03	330	608	0.38	ng	0.00
15) 2-Fluorobiphenyl	13.15	172	7098	0.48	ng	0.00
25) Fluoranthene-d10	19.28	212	54428	0.42	ng	0.00
29) Terphenyl-d14	19.86	244	9282	0.48	ng	0.00

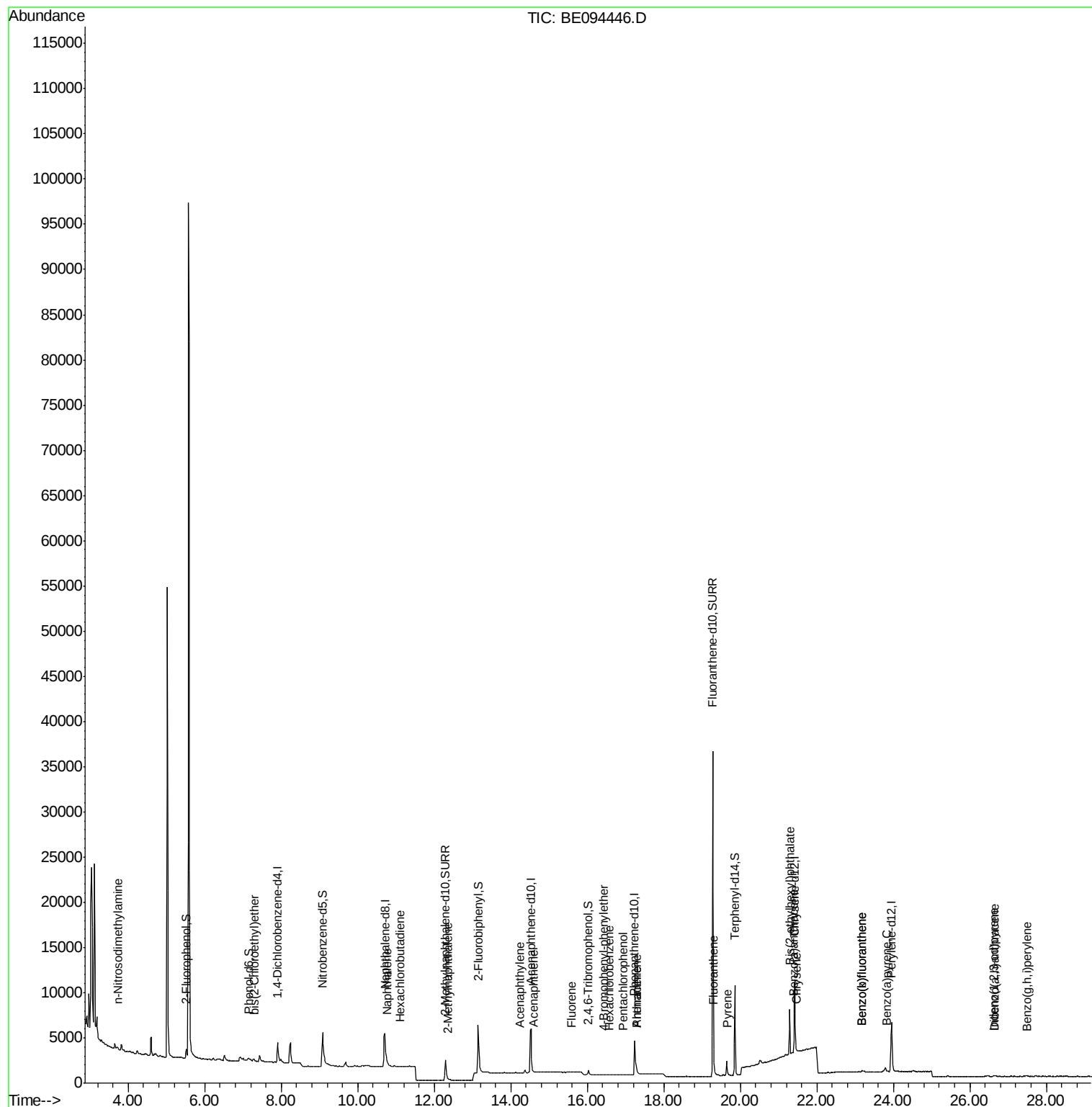
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.42	88	52	Below Cal		# 16
3) n-Nitrosodimethylamine	3.73	42	64	0.028	ng	# 6
6) bis(2-Chloroethyl)ether	7.29	93	14	0.003	ng	# 1
9) Naphthalene	10.76	128	1281	0.017	ng	# 78
10) Hexachlorobutadiene	11.11	225	10	0.003	ng	# 24
12) 2-Methylnaphthalene	12.35	142	51	0.004	ng	# 58
16) Acenaphthylene	14.24	152	34	0.002	ng	# 77
17) Acenaphthene	14.58	154	37	0.003	ng	# 85
18) Fluorene	15.58	166	47	0.003	ng	# 68
20) 4-Bromophenyl-phenylether	16.42	248	18	0.004	ng	# 39
21) Hexachlorobenzene	16.58	284	14	0.029	ng	# 38
22) Pentachlorophenol	16.94	266	10	0.168	ng	# 94
23) Phenanthrene	17.30	178	168	0.005	ng	# 38
24) Anthracene	17.30	178	172	0.007	ng	# 63
26) Fluoranthene	19.31	202	231	0.006	ng	# 92
28) Pyrene	19.67	202	226	0.006	ng	# 84
30) Benzo(a)anthracene	21.40	228	204	0.006	ng	# 67
31) Chrysene	21.46	228	190	0.006	ng	# 69
32) Bis(2-ethylhexyl)phthalate	21.29	149	5955	0.063	ng	# 98
33) Indeno(1,2,3-cd)pyrene	26.63	276	146	0.005	ng	# 55
35) Benzo(b)fluoranthene	23.18	252	298	0.010	ng	# 68
36) Benzo(k)fluoranthene	23.18	252	298	0.010	ng	# 68
37) Benzo(a)pyrene	23.84	252	112	0.004	ng	# 40
38) Dibenzo(a,h)anthracene	26.65	278	40	0.001	ng	# 35
39) Benzo(g,h,i)perylene	27.48	276	126	0.005	ng	# 55

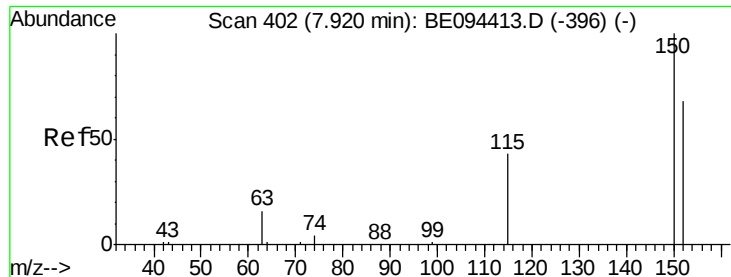
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE094446.D

Acq: 19 Oct 2017 14:09

Instrument :

BNA_E

ClientSampleId :

KY038PS033-171011

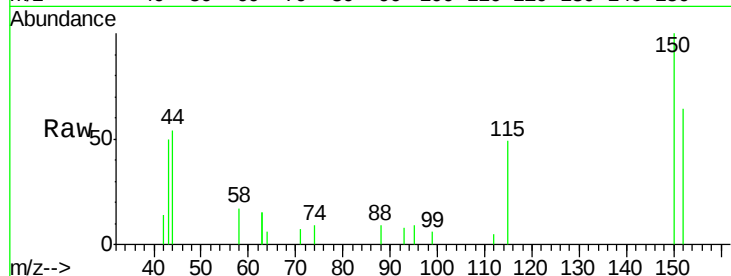
Tgt Ion: 152 Resp: 1315

Ion Ratio Lower Upper

152 100

150 155.5 117.2 175.8

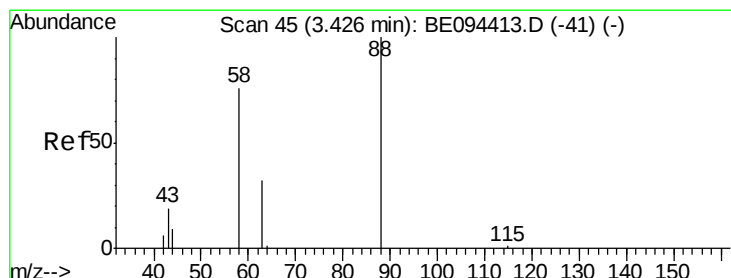
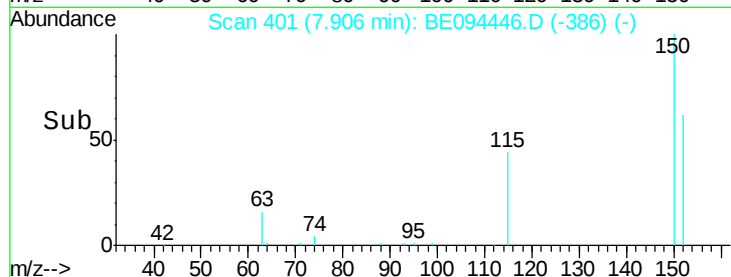
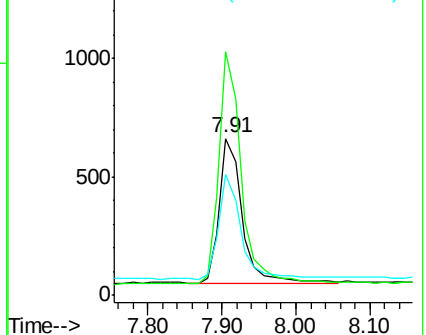
115 76.9 57.0 85.6



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: Below Cal

RT: 3.42 min Scan# 45

Delta R.T. -0.00 min

Lab File: BE094446.D

Acq: 19 Oct 2017 14:09

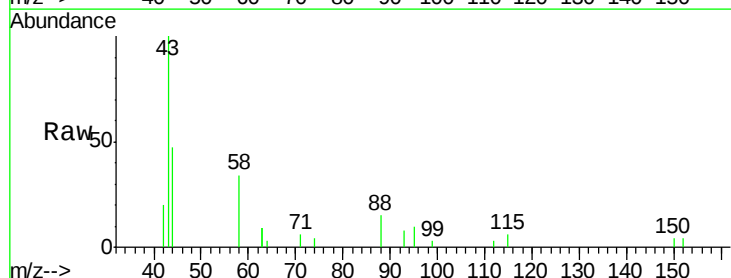
Tgt Ion: 88 Resp: 52

Ion Ratio Lower Upper

88 100

58 0.0 63.2 94.8#

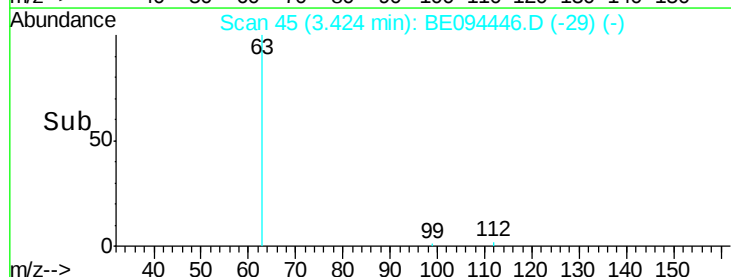
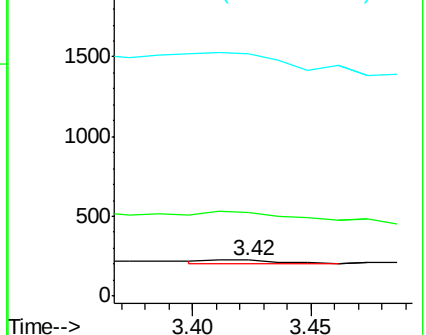
43 0.0 41.2 61.8#

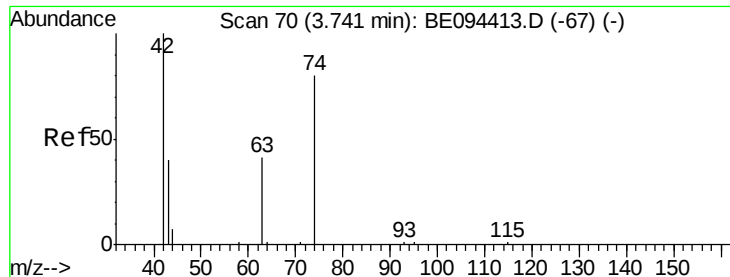


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.028 ng

RT: 3.73 min Scan# 69

Delta R.T. -0.01 min

Lab File: BE094446.D

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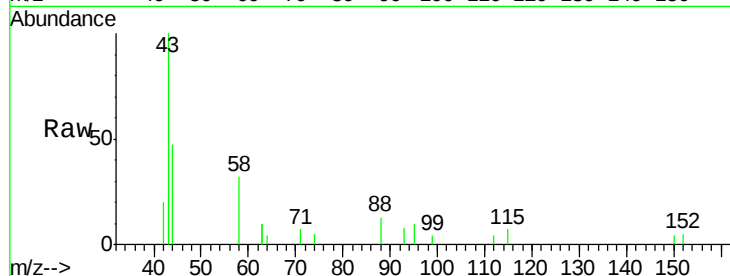
Tgt Ion: 42 Resp: 64

Ion Ratio Lower Upper

42 100

74 9.4 100.3 150.5#

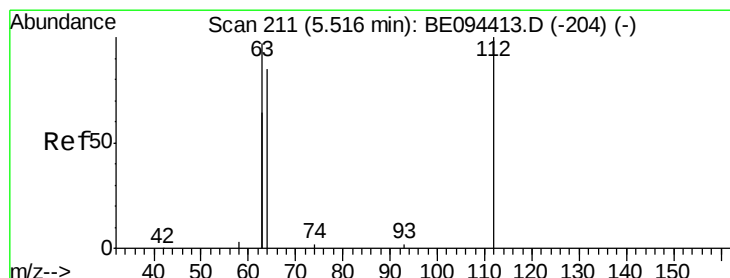
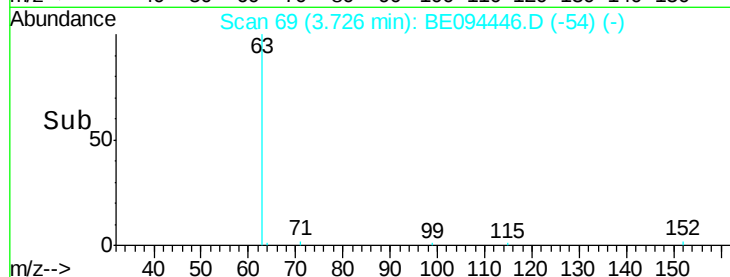
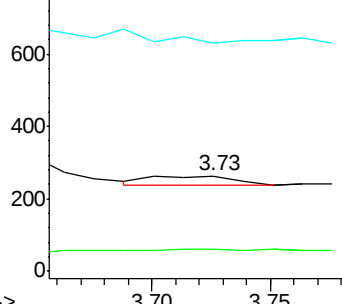
44 0.0 17.0 25.4#



Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0



#4

2-Fluorophenol

Concen: 0.195 ng

RT: 5.51 min Scan# 211

Delta R.T. -0.00 min

Lab File: BE094446.D

Acq: 19 Oct 2017 14:09

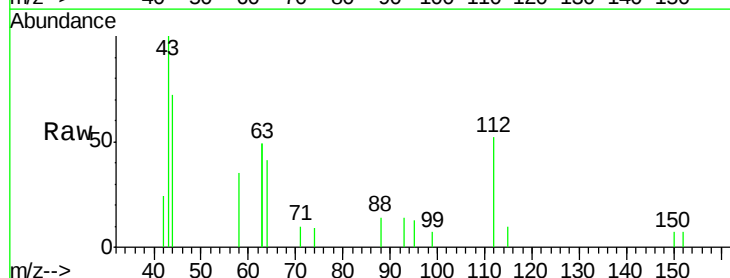
Tgt Ion: 112 Resp: 867

Ion Ratio Lower Upper

112 100

64 66.0 60.1 90.1

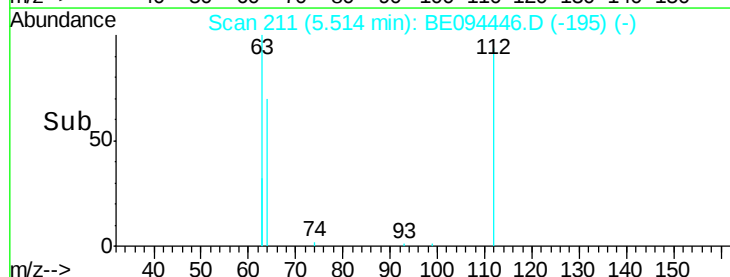
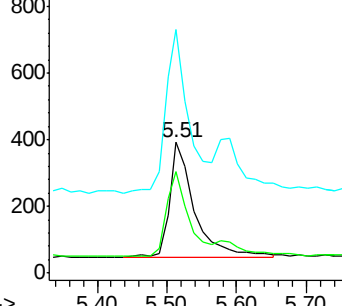
63 135.1 116.8 175.2

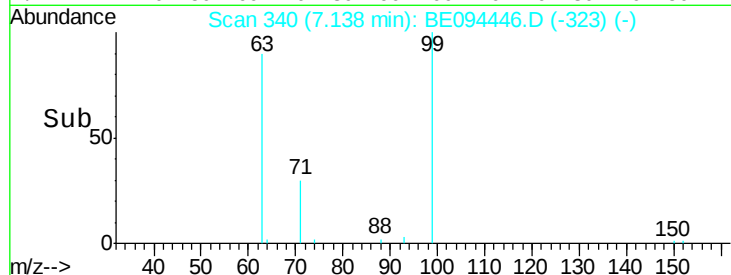
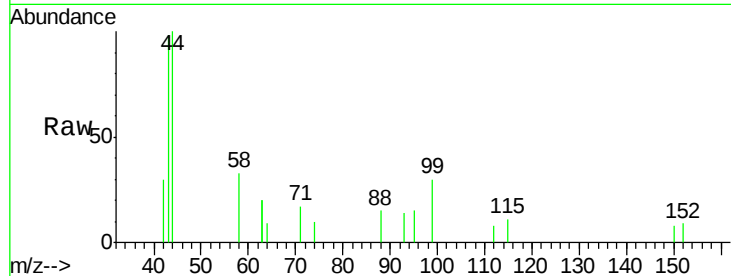
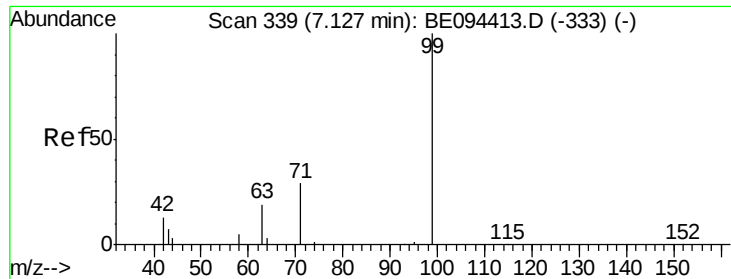


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.093 ng

RT: 7.14 min Scan# 340

Delta R.T. 0.01 min

Lab File: BE094446.D

Acq: 19 Oct 2017 14:09

Instrument :

BNA_E

ClientSampleId :

KY038PS033-171011

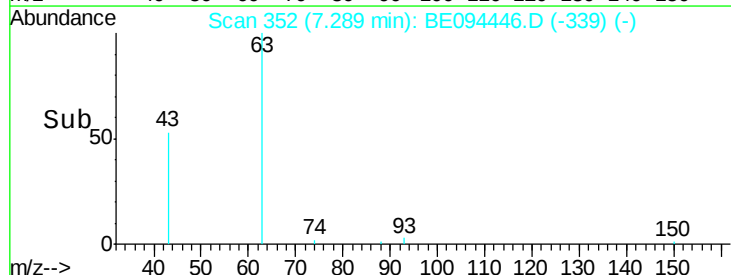
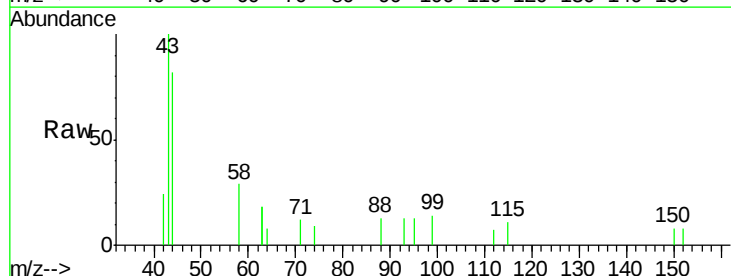
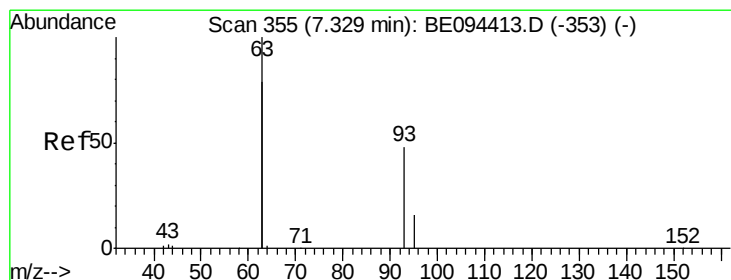
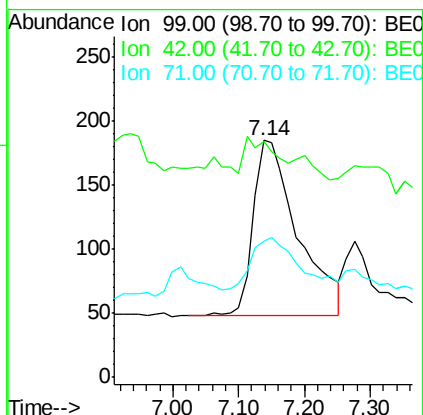
Tgt Ion: 99 Resp: 647

Ion Ratio Lower Upper

99 100

42 0.0 20.2 30.2#

71 32.3 28.4 42.6



#6

bis(2-Chloroethyl)ether

Concen: 0.003 ng

RT: 7.29 min Scan# 352

Delta R.T. -0.04 min

Lab File: BE094446.D

Acq: 19 Oct 2017 14:09

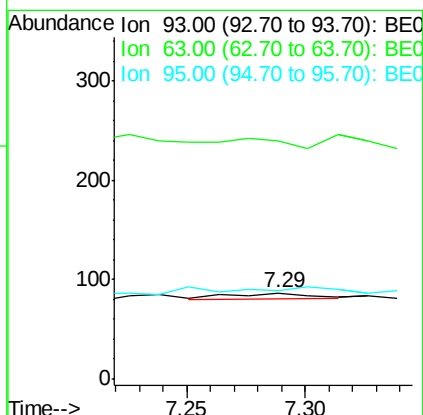
Tgt Ion: 93 Resp: 14

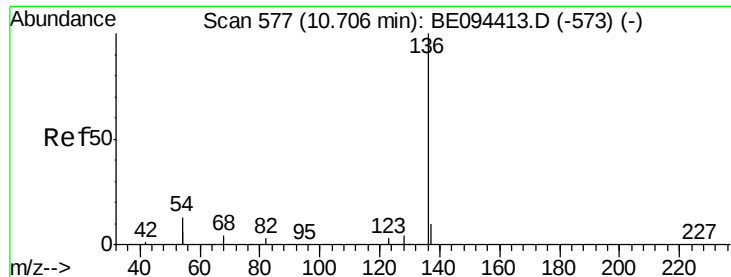
Ion Ratio Lower Upper

93 100

63 0.0 275.3 412.9#

95 57.1 25.2 37.8#





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.71 min Scan# 577

Delta R.T. 0.00 min

Lab File: BE094446.D

Acq: 19 Oct 2017 14:09

Instrument :

BNA_E

ClientSampleId :

KY038PS033-171011

Tgt Ion: 136 Resp: 6641

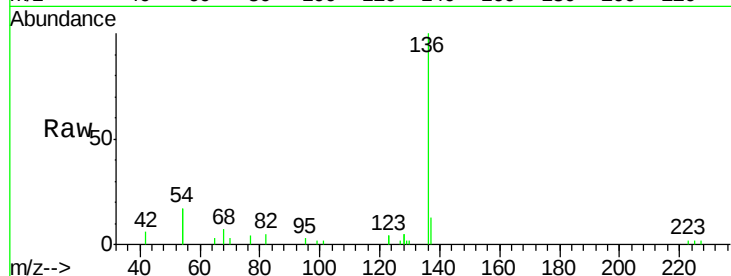
Ion Ratio Lower Upper

136 100

137 12.9 9.5 14.3

54 34.5 29.1 43.7

68 7.2 6.2 9.2

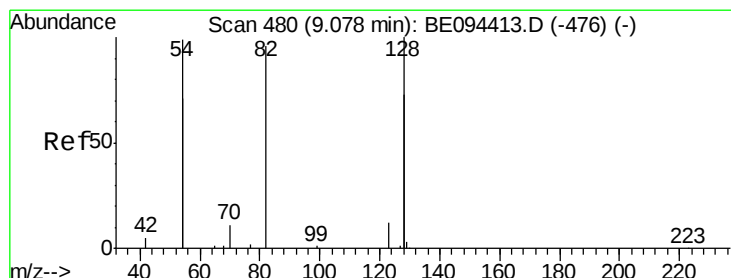
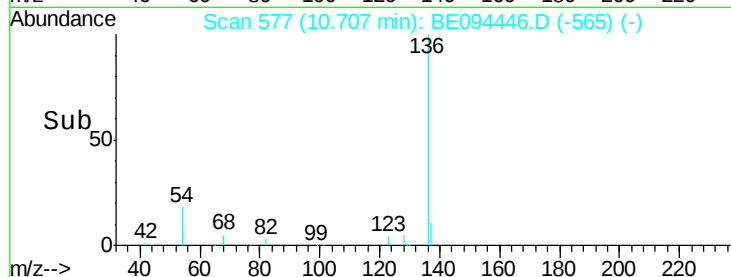
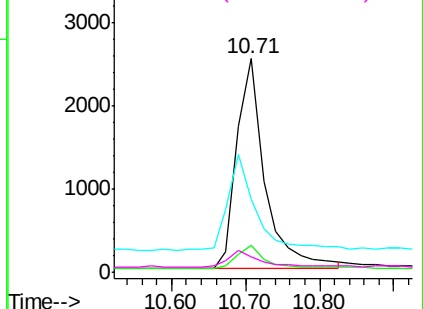


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.464 ng

RT: 9.08 min Scan# 480

Delta R.T. 0.00 min

Lab File: BE094446.D

Acq: 19 Oct 2017 14:09

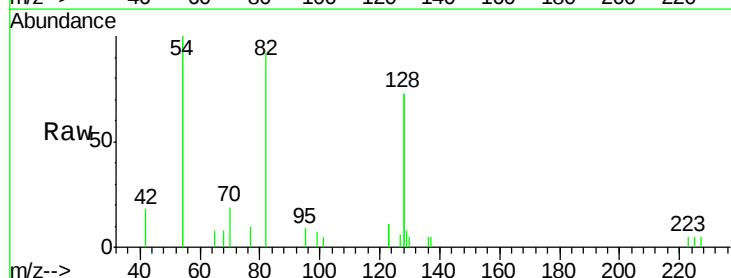
Tgt Ion: 82 Resp: 2677

Ion Ratio Lower Upper

82 100

128 159.4 150.0 225.0

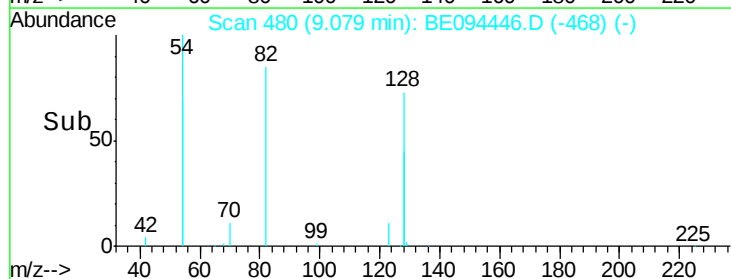
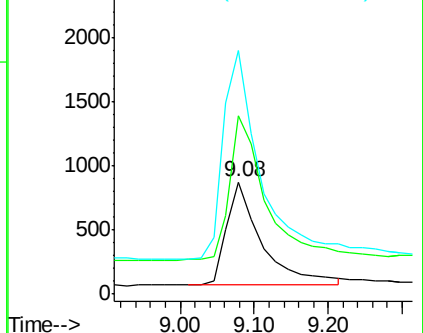
54 217.7 154.2 231.4

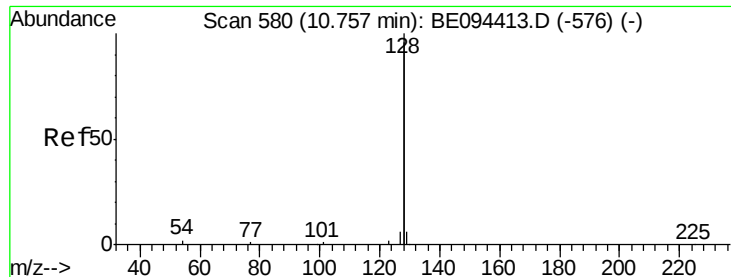


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.017 ng

RT: 10.76 min Scan# 580

Delta R.T. 0.00 min

Lab File: BE094446.D

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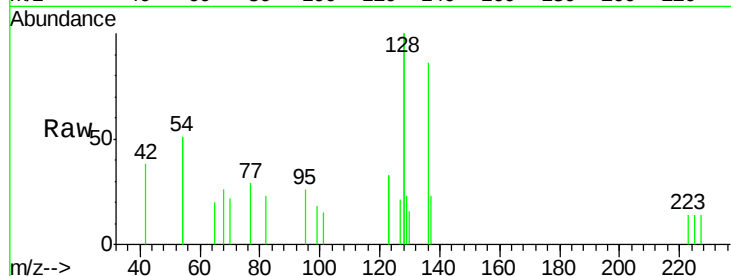
Tgt Ion:128 Resp: 1281

Ion Ratio Lower Upper

128 100

129 11.3 2.6 3.8#

127 10.3 2.8 4.2#

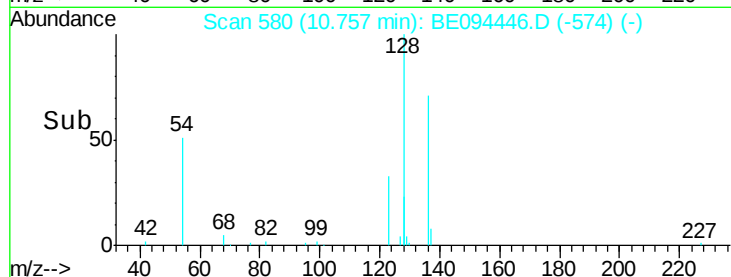


Abundance Ion 128.00 (127.70 to 128.70): E

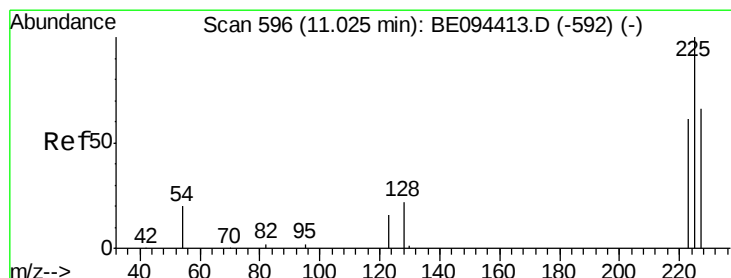
Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

Time-->



Time-->



#10

Hexachlorobutadiene

Concen: 0.003 ng

RT: 11.11 min Scan# 601

Delta R.T. 0.08 min

Lab File: BE094446.D

Acq: 19 Oct 2017 14:09

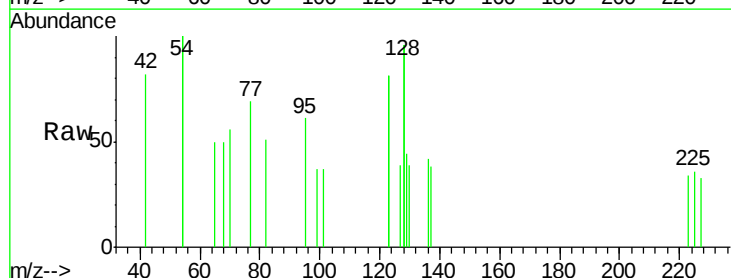
Tgt Ion:225 Resp: 10

Ion Ratio Lower Upper

225 100

223 0.0 53.0 79.6#

227 10.0 51.4 77.2#

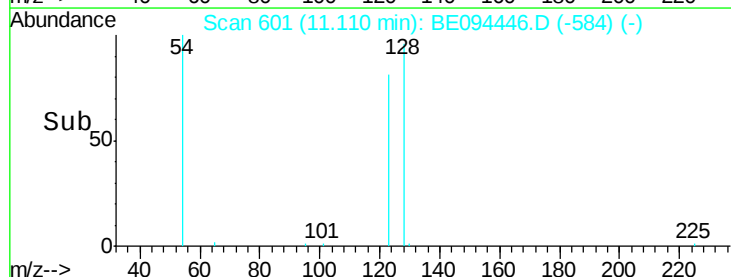


Abundance Ion 225.00 (224.70 to 225.70): E

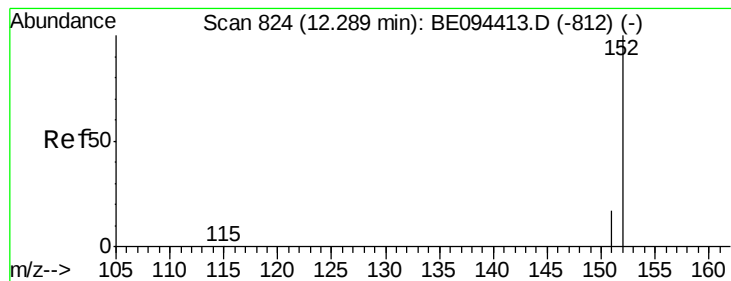
Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

Time-->



Time-->



#11

2-Methylnaphthalene-d10

Concen: 0.506 ng

RT: 12.29 min Scan# 824

Delta R.T. -0.00 min

Lab File: BE094446.D

Acq: 19 Oct 2017 14:09

Instrument :

BNA_E

ClientSampleId :

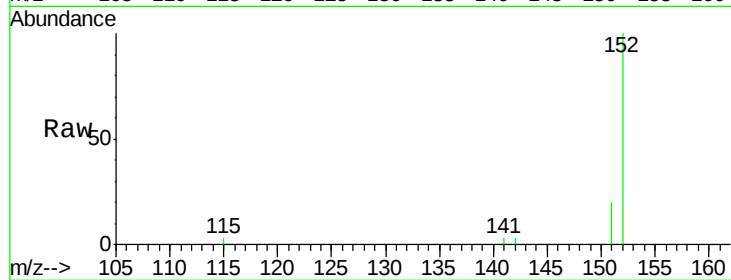
KY038PS033-171011

Tgt Ion:152 Resp: 5183

Ion Ratio Lower Upper

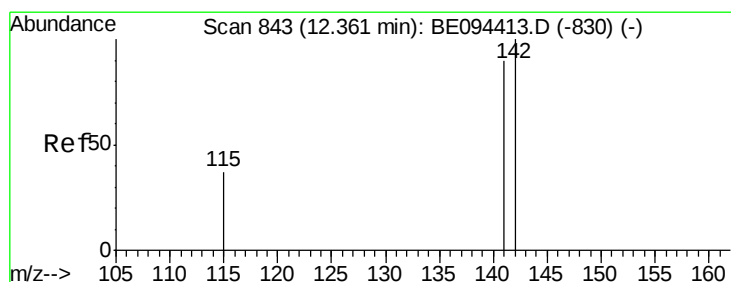
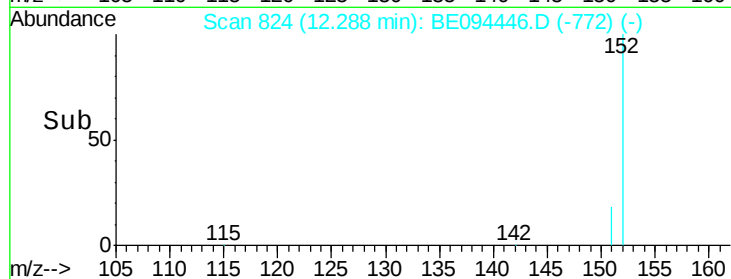
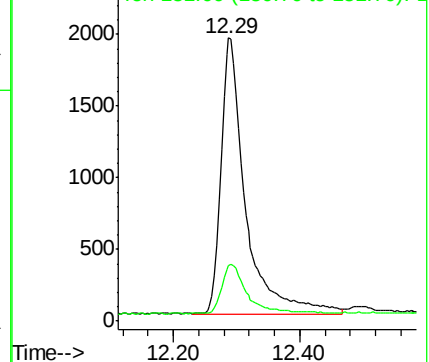
152 100

151 18.5 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.004 ng

RT: 12.35 min Scan# 841

Delta R.T. -0.01 min

Lab File: BE094446.D

Acq: 19 Oct 2017 14:09

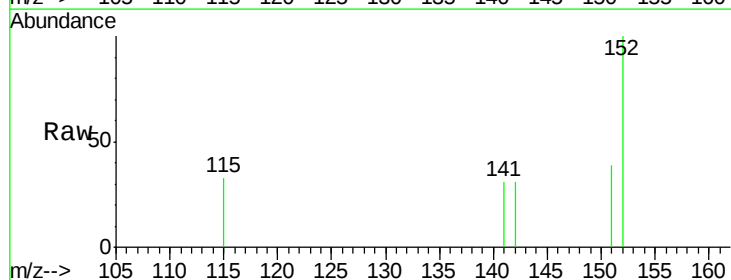
Tgt Ion:142 Resp: 51

Ion Ratio Lower Upper

142 100

141 98.6 70.4 105.6

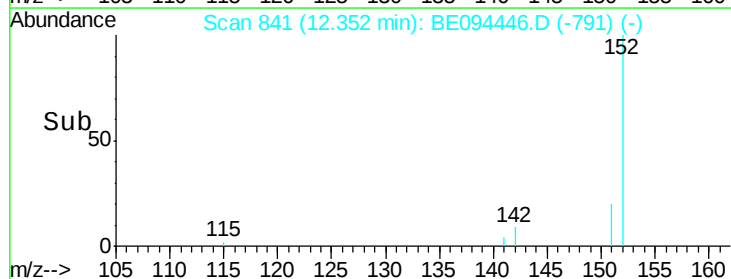
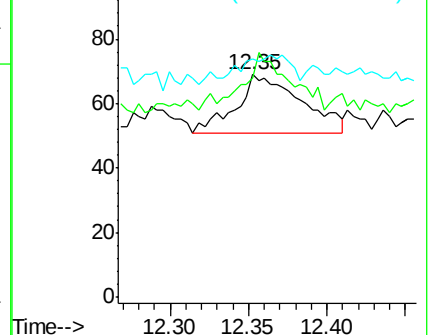
115 107.2 31.7 47.5#

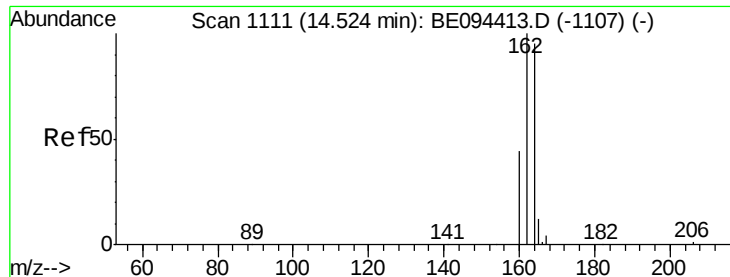


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.53 min Scan# 1112

Delta R.T. 0.00 min

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Acq: 19 Oct 2017 14:09

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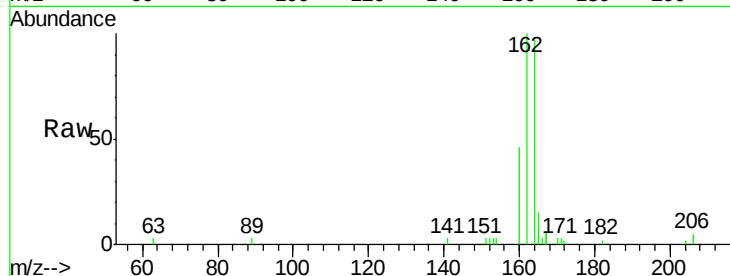
Tgt Ion:164 Resp: 4149

Ion Ratio Lower Upper

164 100

162 103.3 83.1 124.7

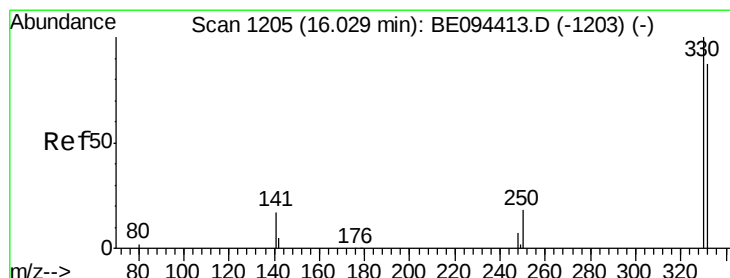
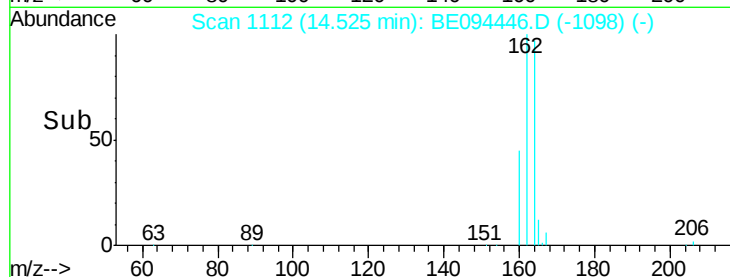
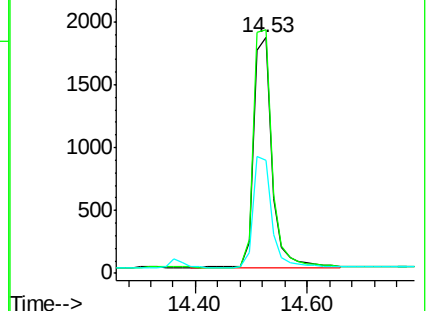
160 47.9 37.1 55.7



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#14

2,4,6-Tribromophenol

Concen: 0.385 ng

RT: 16.03 min Scan# 1206

Delta R.T. 0.00 min

Lab File: BE094446.D

Acq: 19 Oct 2017 14:09

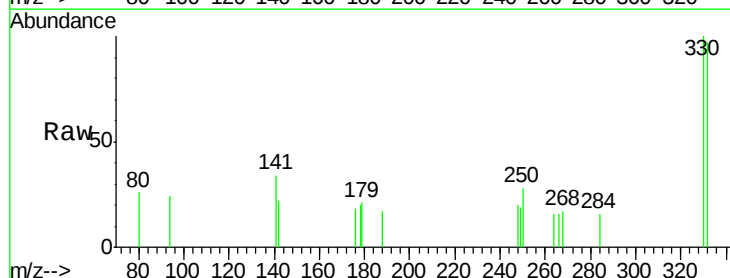
Tgt Ion:330 Resp: 608

Ion Ratio Lower Upper

330 100

332 100.3 152.7 229.1#

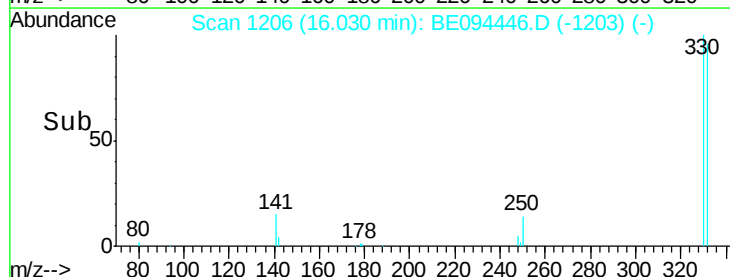
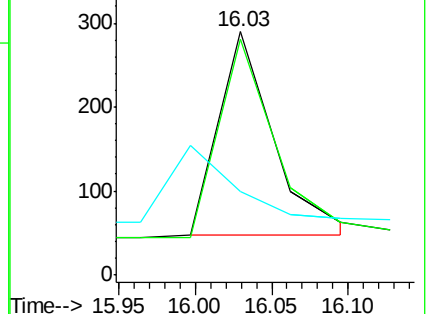
141 0.0 33.7 50.5#

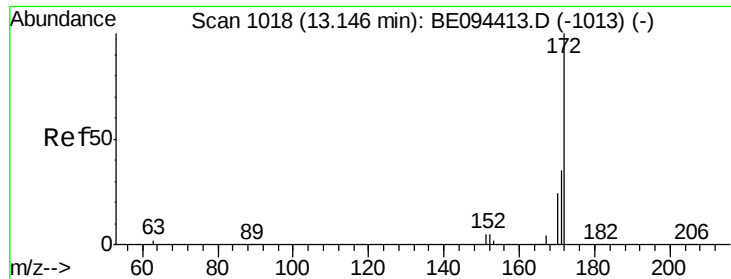


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

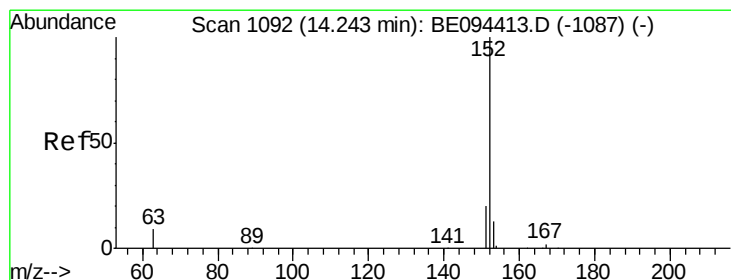
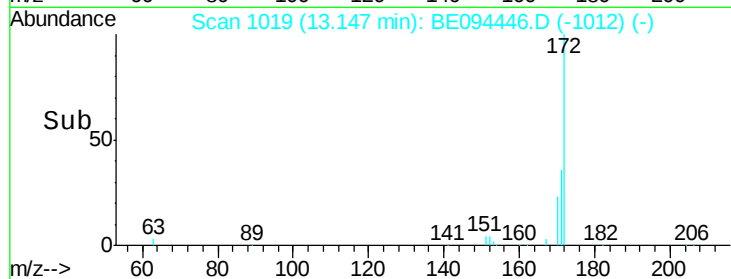
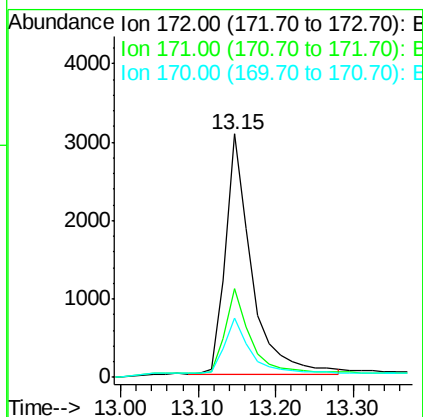
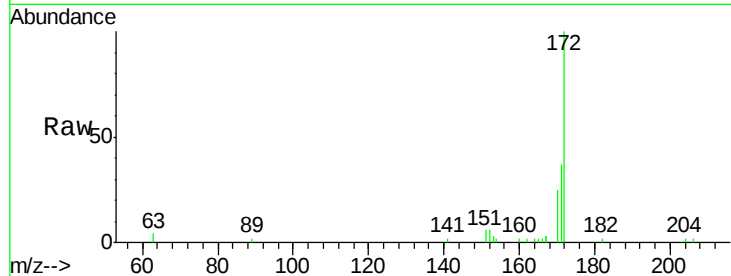




#15
2-Fluorobiphenyl
Concen: 0.479 ng
RT: 13.15 min Scan# 1019
Delta R.T. 0.00 min
Lab File: BE094446.D
Acq: 19 Oct 2017 14:09

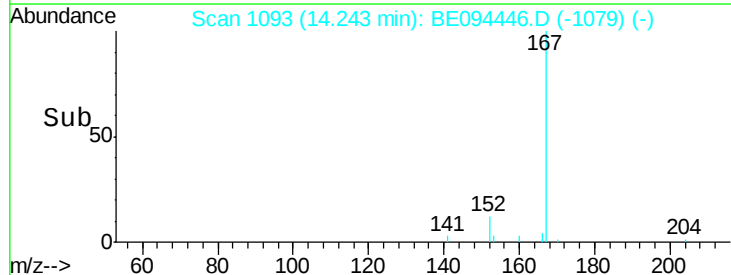
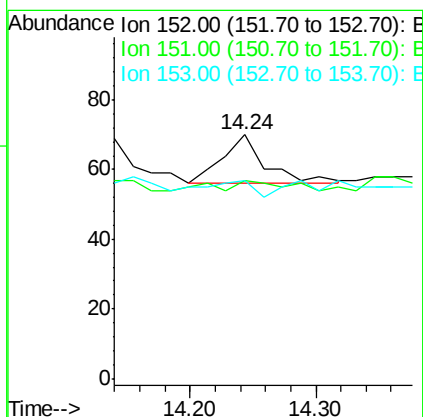
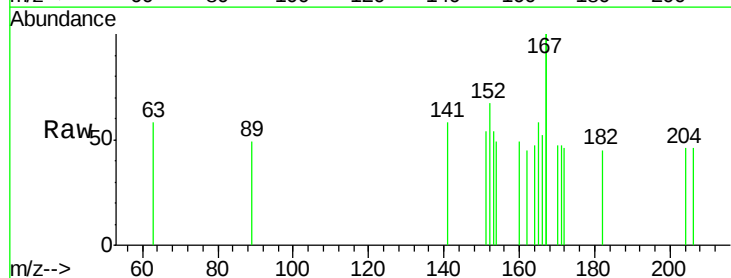
Instrument :
BNA_E
ClientSampleId :
KY038PS033-171011

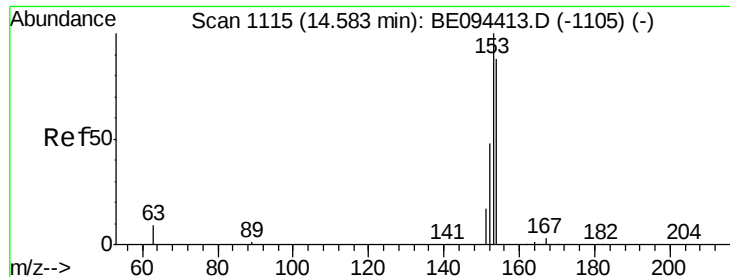
Tgt Ion:172 Resp: 7098
Ion Ratio Lower Upper
172 100
171 36.7 29.9 44.9
170 24.6 21.8 32.8



#16
Acenaphthylene
Concen: 0.002 ng
RT: 14.24 min Scan# 1093
Delta R.T. 0.00 min
Lab File: BE094446.D
Acq: 19 Oct 2017 14:09

Tgt Ion:152 Resp: 34
Ion Ratio Lower Upper
152 100
151 29.4 15.7 23.5#
153 23.5 10.5 15.7#





#17

Acenaphthene

Concen: 0.003 ng

RT: 14.58 min Scan# 1116

Delta R.T. 0.00 min

Lab File: BE094446.D

Acq: 19 Oct 2017 14:09

Instrument :

BNA_E

ClientSampleId :

KY038PS033-171011

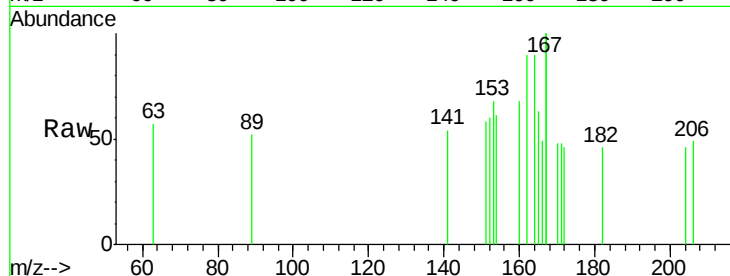
Tgt Ion:154 Resp: 37

Ion Ratio Lower Upper

154 100

153 121.6 89.2 133.8

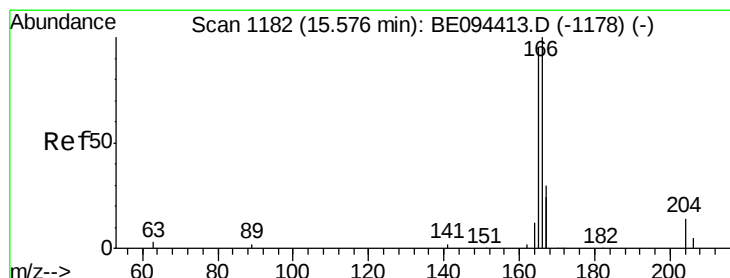
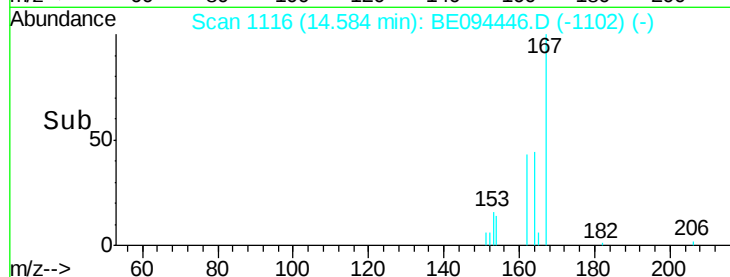
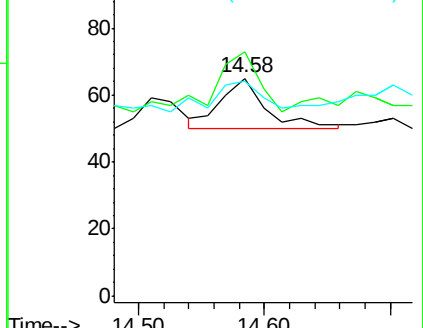
152 70.3 42.0 63.0#



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: 0.003 ng

RT: 15.58 min Scan# 1183

Delta R.T. 0.00 min

Lab File: BE094446.D

Acq: 19 Oct 2017 14:09

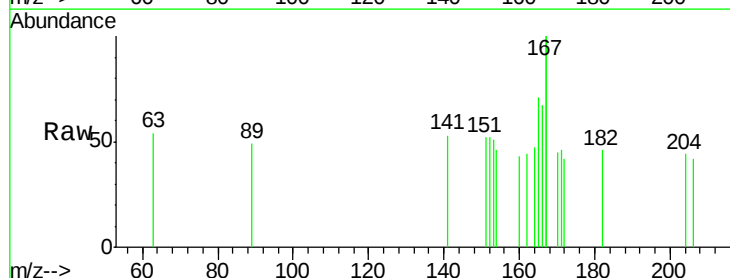
Tgt Ion:166 Resp: 47

Ion Ratio Lower Upper

166 100

165 127.7 77.8 116.6#

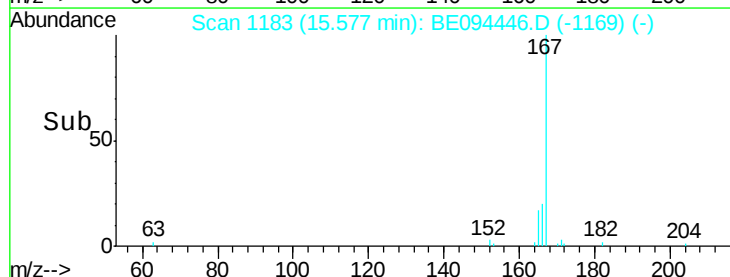
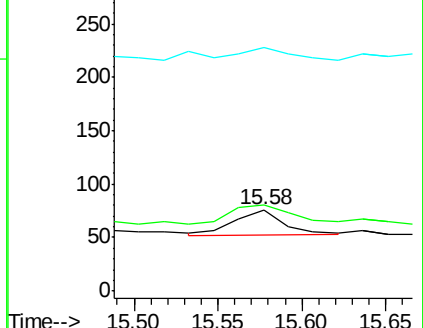
167 76.6 42.4 63.6#

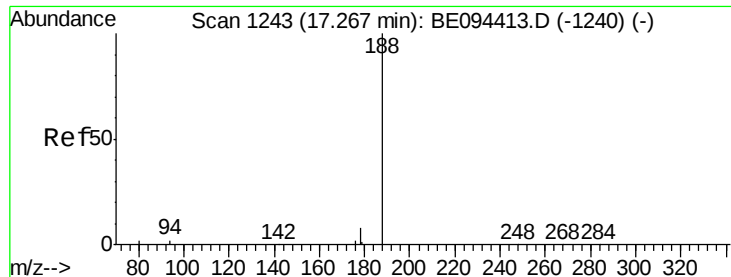


Abundance Ion 166.00 (165.70 to 166.70): E

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: BE094446.D

Acq: 19 Oct 2017 14:09

Instrument :

BNA_E

ClientSampleId :

KY038PS033-171011

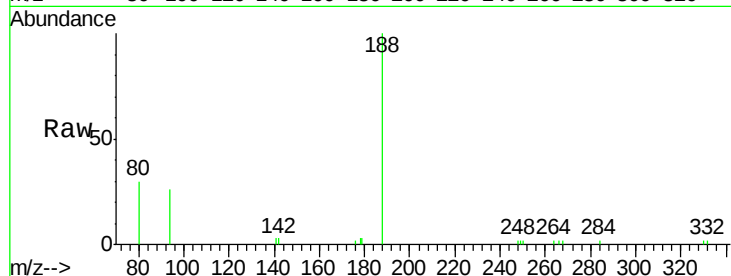
Tgt Ion:188 Resp: 8015

Ion Ratio Lower Upper

188 100

94 26.1 3.9 5.9#

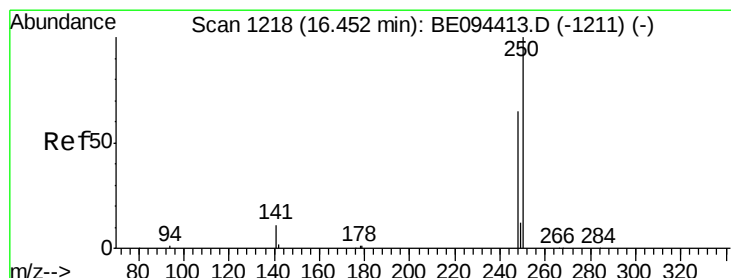
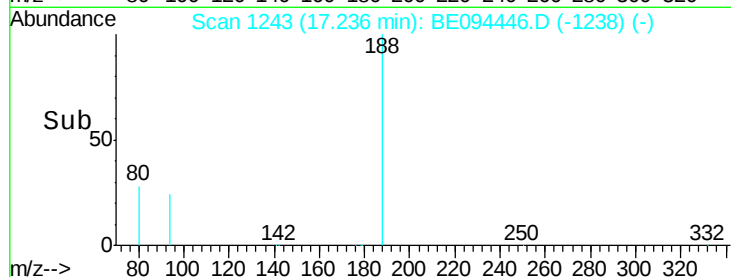
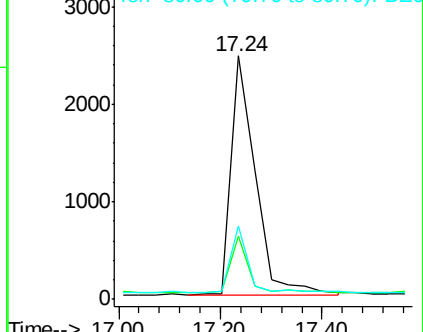
80 30.2 3.6 5.4#



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: 0.004 ng

RT: 16.42 min Scan# 1218

Delta R.T. -0.03 min

Lab File: BE094446.D

Acq: 19 Oct 2017 14:09

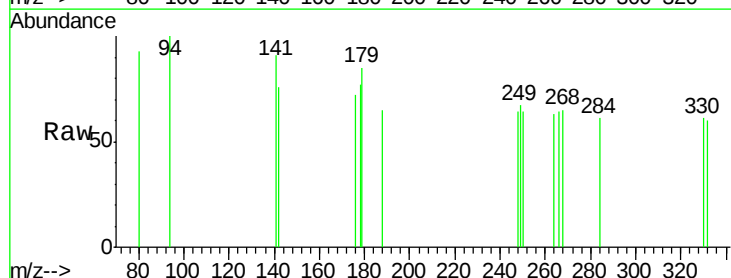
Tgt Ion:248 Resp: 18

Ion Ratio Lower Upper

248 100

250 100.0 62.7 94.1#

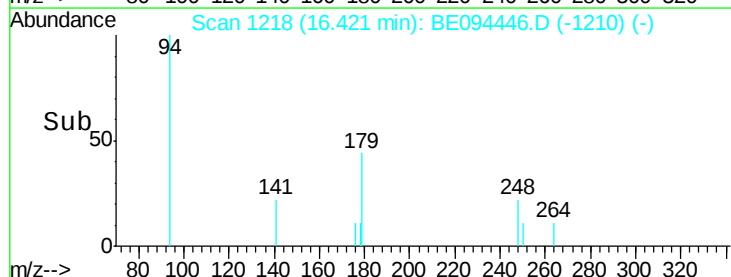
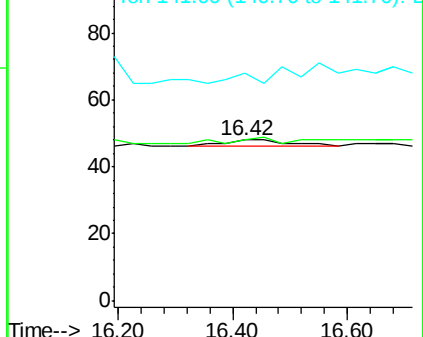
141 141.7 48.2 72.2#

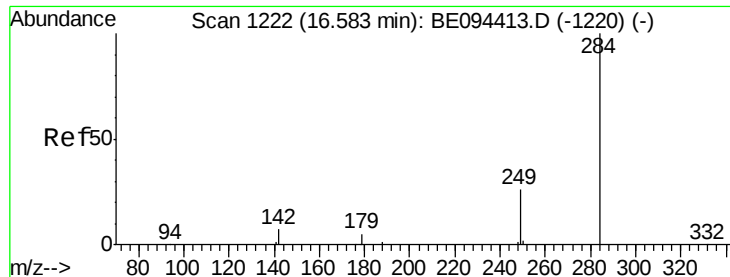


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.029 ng

RT: 16.58 min Scan# 1223

Delta R.T. 0.00 min

Lab File: BE094446.D

Acq: 19 Oct 2017 14:09

Instrument :

BNA_E

ClientSampleId :

KY038PS033-171011

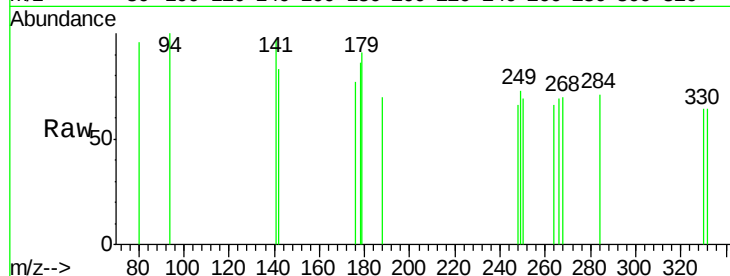
Tgt Ion:284 Resp: 14

Ion Ratio Lower Upper

284 100

142 0.0 22.1 33.1#

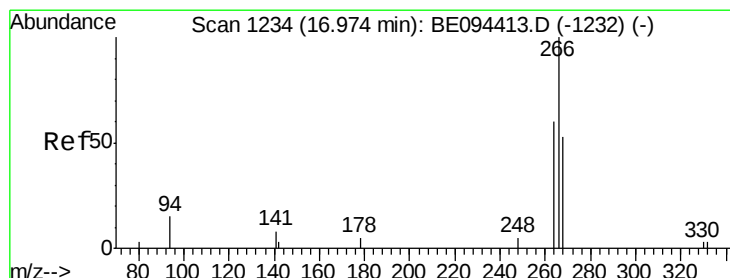
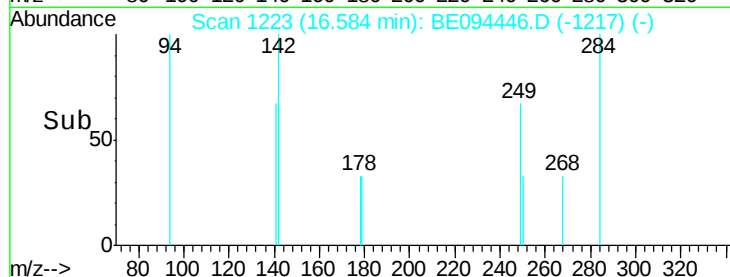
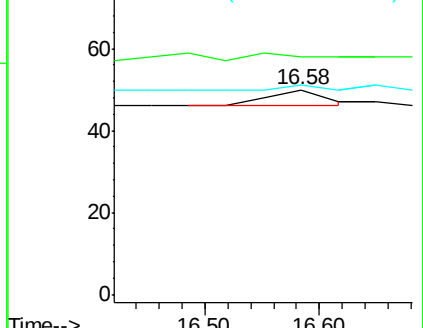
249 0.0 34.8 52.2#



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: 0.168 ng

RT: 16.94 min Scan# 1234

Delta R.T. -0.03 min

Lab File: BE094446.D

Acq: 19 Oct 2017 14:09

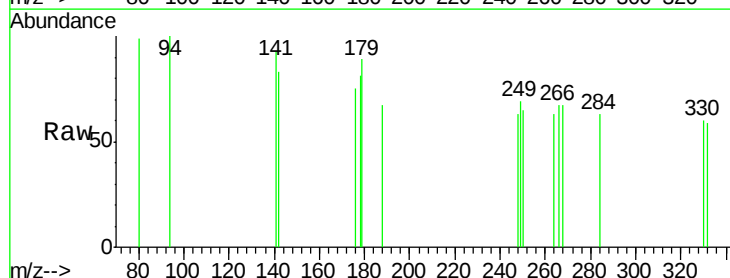
Tgt Ion:266 Resp: 10

Ion Ratio Lower Upper

266 100

264 94.0 72.5 108.7

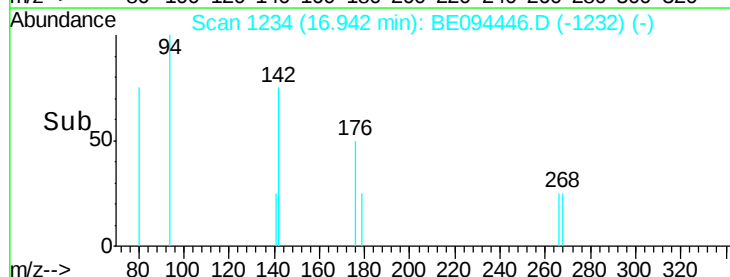
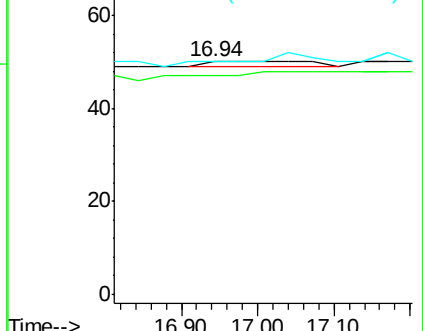
268 100.0 73.8 110.6

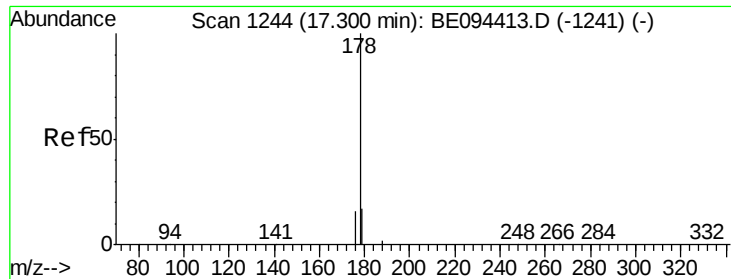


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.005 ng

RT: 17.30 min Scan# 1245

Delta R.T. 0.00 min

Lab File: BE094446.D

Acq: 19 Oct 2017 14:09

Instrument :

BNA_E

ClientSampleId :

KY038PS033-171011

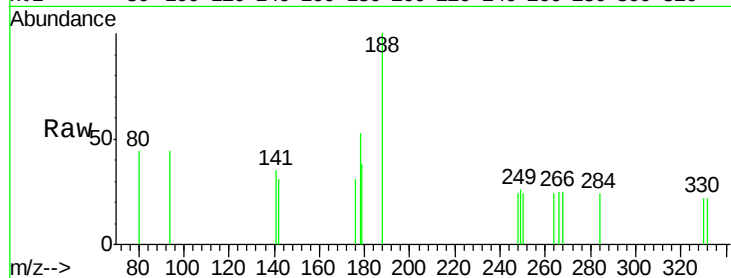
Tgt Ion:178 Resp: 168

Ion Ratio Lower Upper

178 100

176 0.0 15.1 22.7#

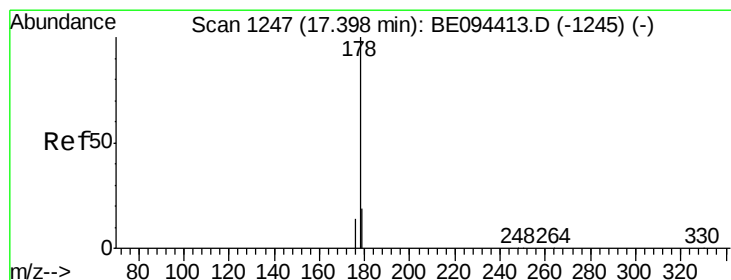
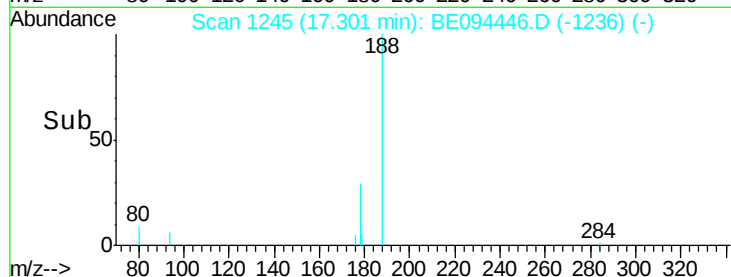
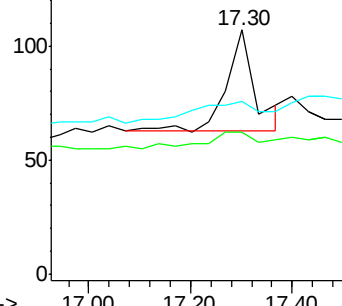
179 51.2 11.8 17.6#



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: 0.007 ng

RT: 17.30 min Scan# 1245

Delta R.T. -0.10 min

Lab File: BE094446.D

Acq: 19 Oct 2017 14:09

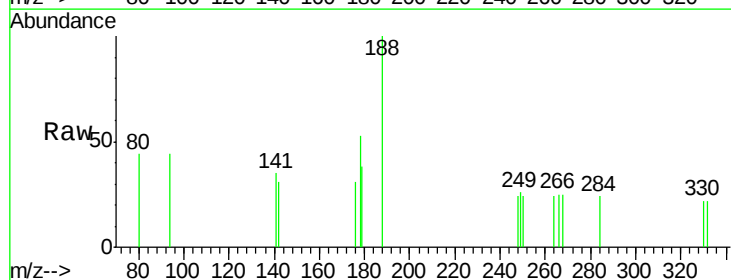
Tgt Ion:178 Resp: 172

Ion Ratio Lower Upper

178 100

176 0.0 12.8 19.2#

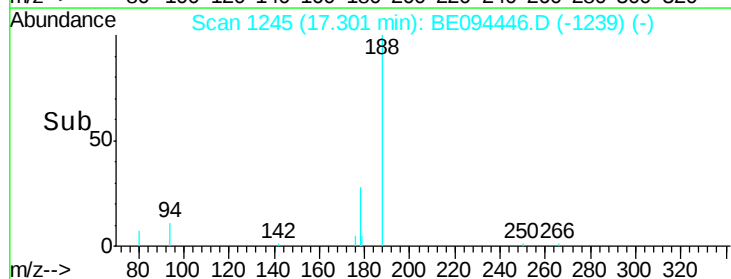
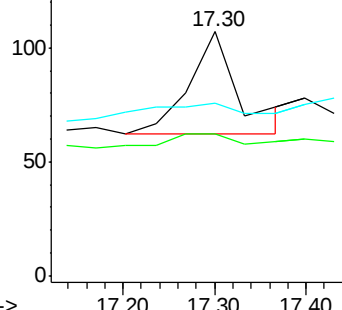
179 32.0 13.0 19.6#

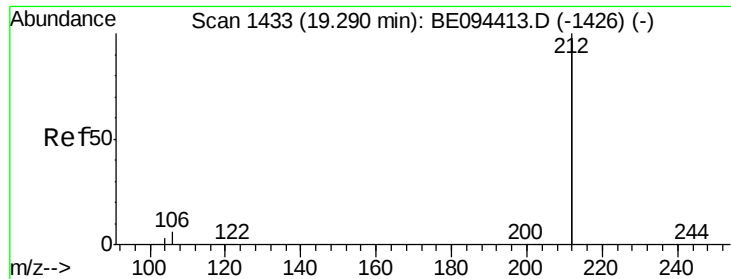


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.422 ng

RT: 19.28 min Scan# 1433

Delta R.T. -0.01 min

Lab File: BE094446.D

Acq: 19 Oct 2017 14:09

Instrument :

BNA_E

ClientSampleId :

KY038PS033-171011

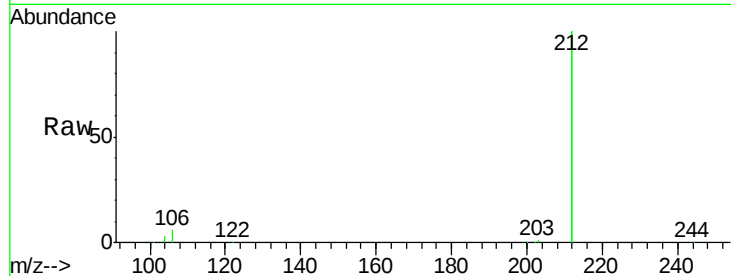
Tgt Ion:212 Resp: 54428

Ion Ratio Lower Upper

212 100

106 3.5 2.8 4.2

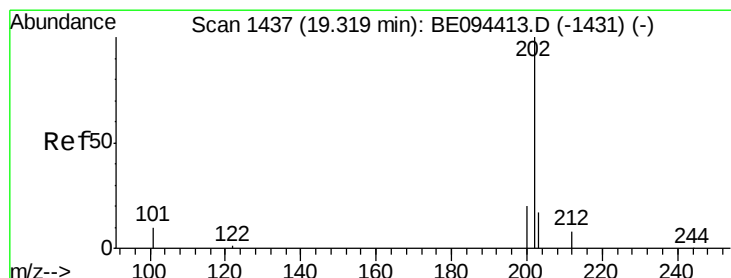
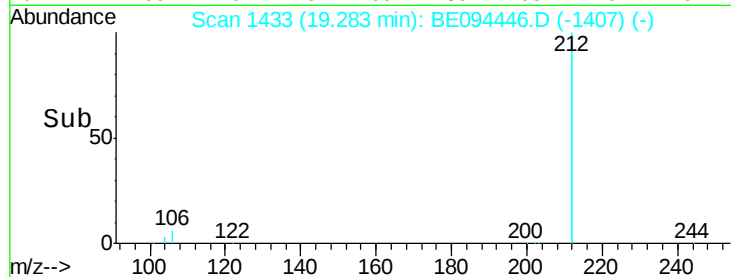
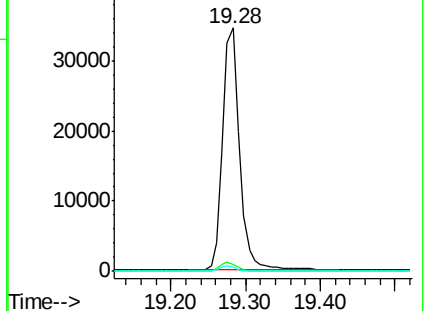
104 1.9 1.6 2.4



Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 0.006 ng

RT: 19.31 min Scan# 1437

Delta R.T. -0.01 min

Lab File: BE094446.D

Acq: 19 Oct 2017 14:09

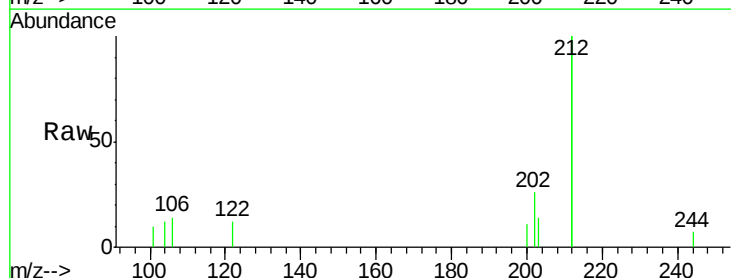
Tgt Ion:202 Resp: 231

Ion Ratio Lower Upper

202 100

101 14.3 9.8 14.8

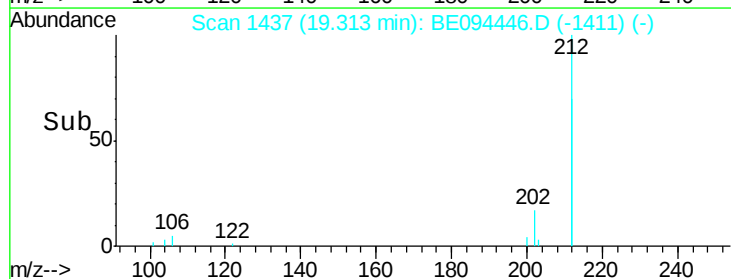
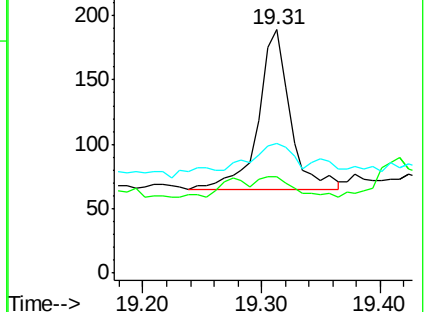
203 21.2 13.7 20.5#

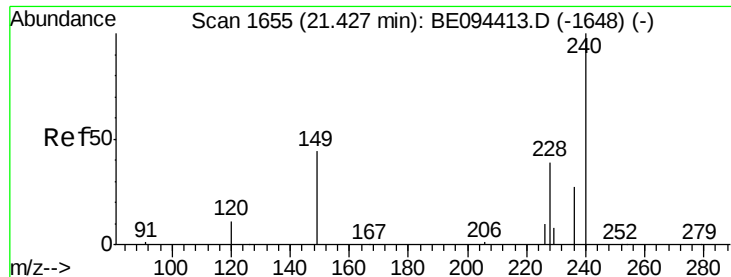


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.43 min Scan# 1656

Delta R.T. -0.00 min

Lab File: BE094446.D

Acq: 19 Oct 2017 14:09

Instrument :

BNA_E

ClientSampleId :

KY038PS033-171011

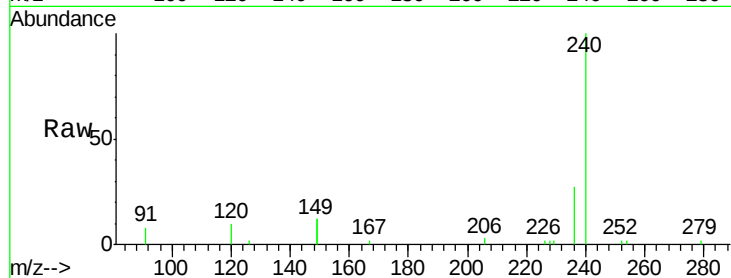
Tgt Ion:240 Resp: 9516

Ion Ratio Lower Upper

240 100

120 9.6 5.5 8.3#

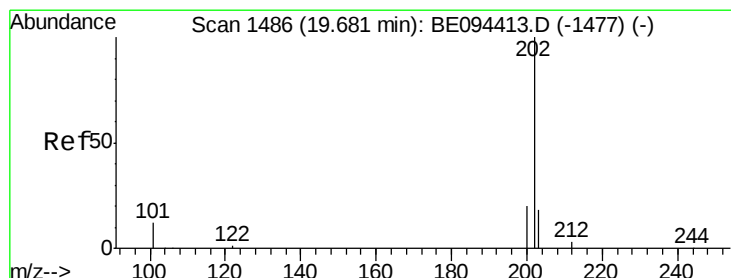
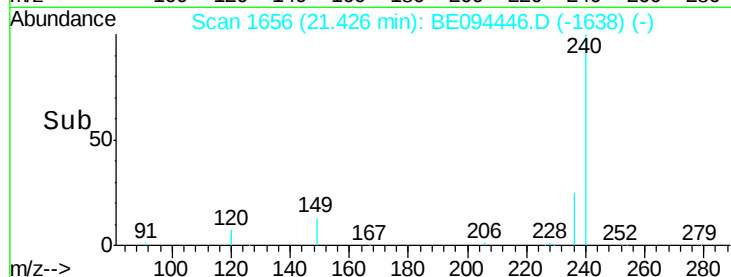
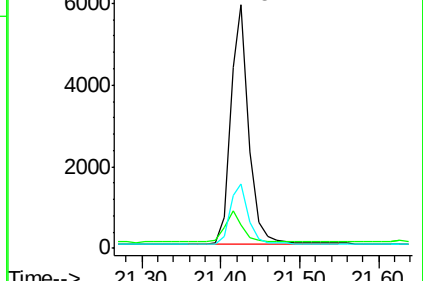
236 26.6 20.7 31.1



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: 0.006 ng

RT: 19.67 min Scan# 1486

Delta R.T. -0.01 min

Lab File: BE094446.D

Acq: 19 Oct 2017 14:09

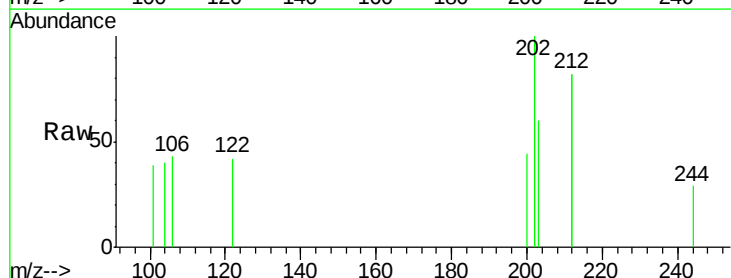
Tgt Ion:202 Resp: 226

Ion Ratio Lower Upper

202 100

200 17.7 16.6 25.0

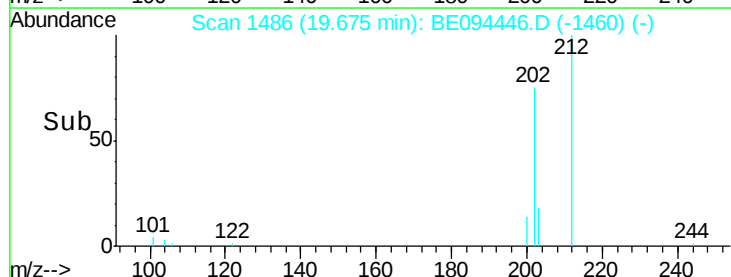
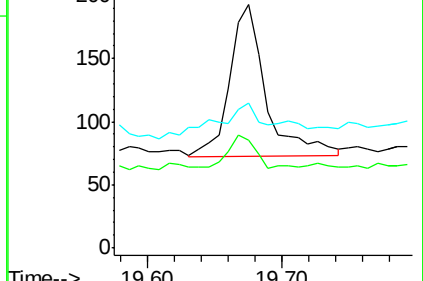
203 29.2 13.8 20.8#

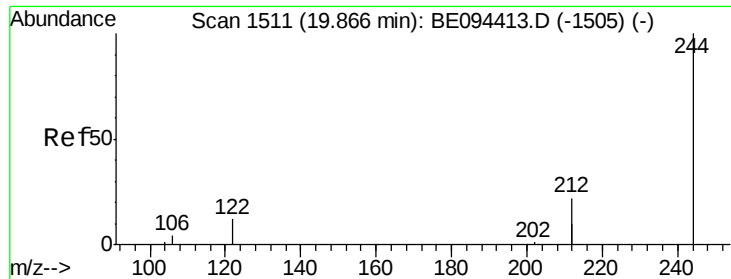


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.483 ng

RT: 19.86 min Scan# 1511

Delta R.T. -0.01 min

Lab File: BE094446.D

Acq: 19 Oct 2017 14:09

Instrument :

BNA_E

ClientSampleId :

KY038PS033-171011

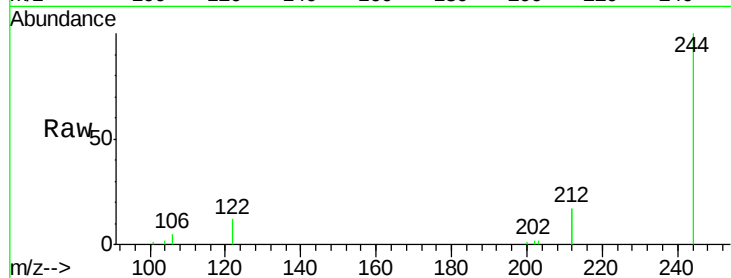
Tgt Ion:244 Resp: 9282

Ion Ratio Lower Upper

244 100

212 34.2 25.4 38.0

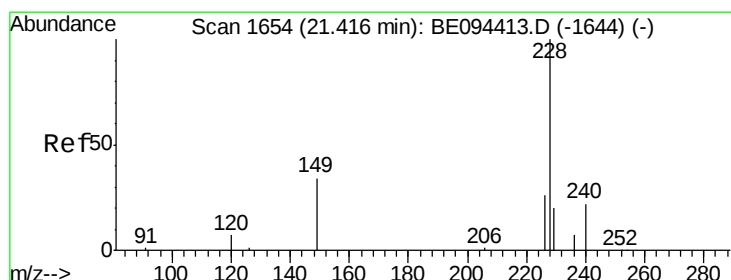
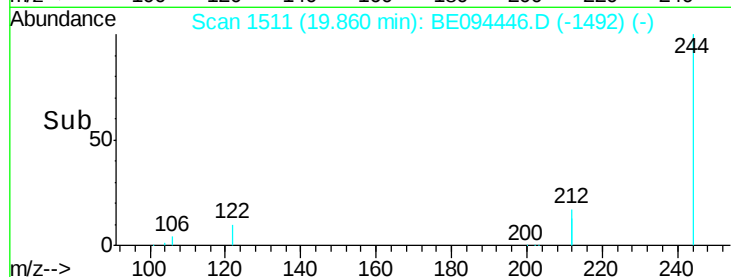
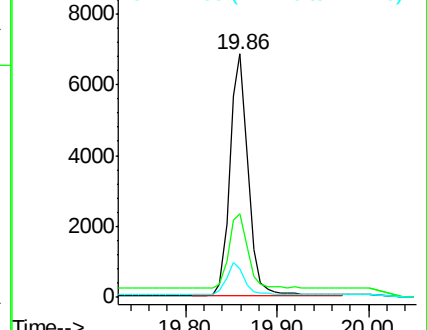
122 11.6 8.1 12.1



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: BE094446.D

Acq: 19 Oct 2017 14:09

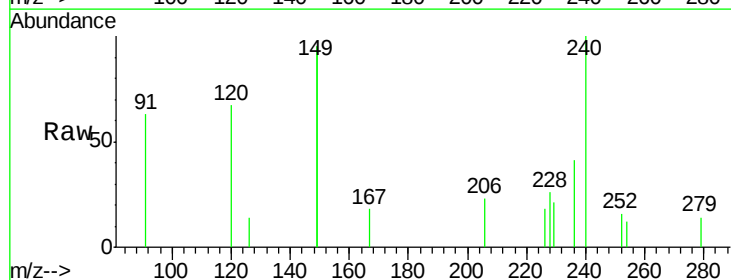
Tgt Ion:228 Resp: 204

Ion Ratio Lower Upper

228 100

226 67.7 40.0 60.0#

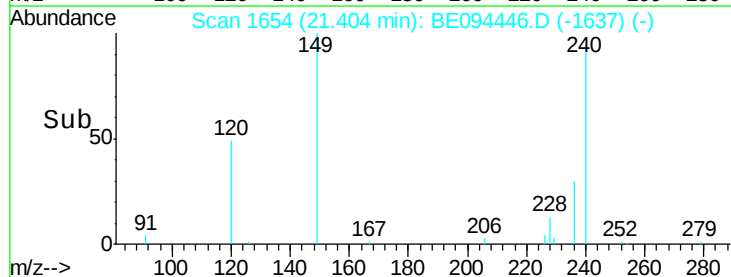
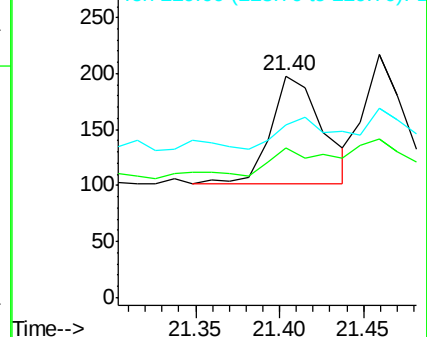
229 77.8 40.0 60.0#

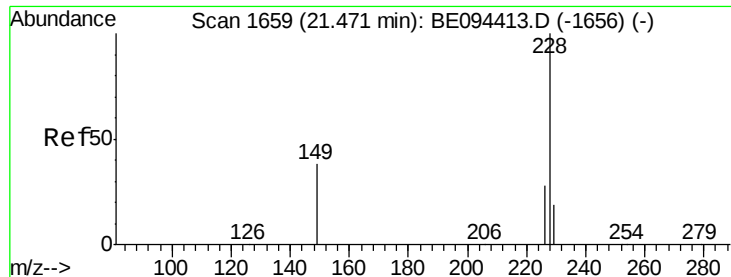


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.006 ng

RT: 21.46 min Scan# 1659

Delta R.T. -0.01 min

Lab File: BE094446.D

Acq: 19 Oct 2017 14:09

Instrument :

BNA_E

ClientSampleId :

KY038PS033-171011

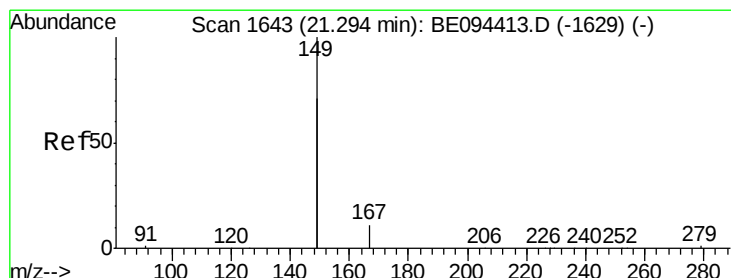
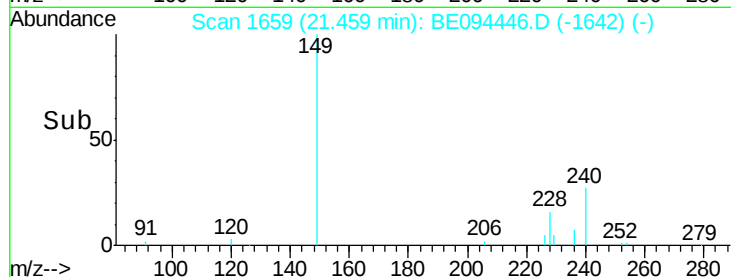
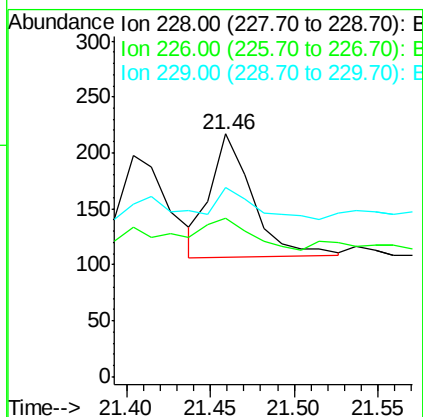
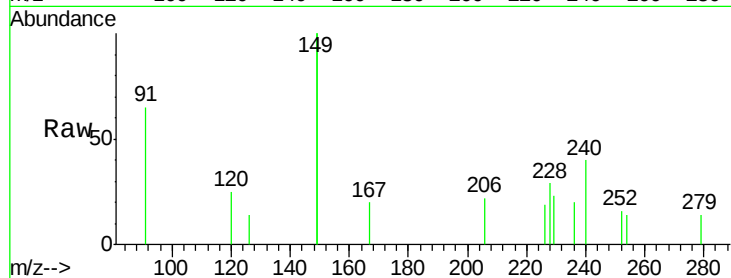
Tgt Ion: 228 Resp: 190

Ion Ratio Lower Upper

228 100

226 65.4 40.0 60.0#

229 77.9 40.0 60.0#



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.063 ng

RT: 21.29 min Scan# 1644

Delta R.T. -0.00 min

Lab File: BE094446.D

Acq: 19 Oct 2017 14:09

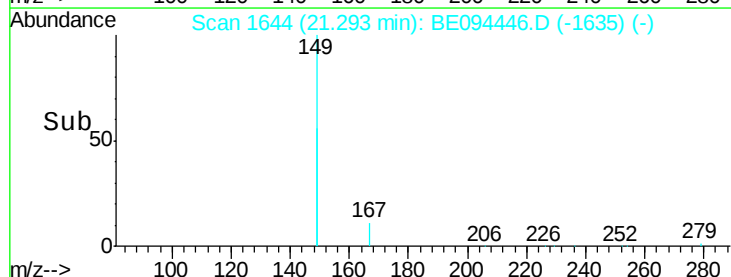
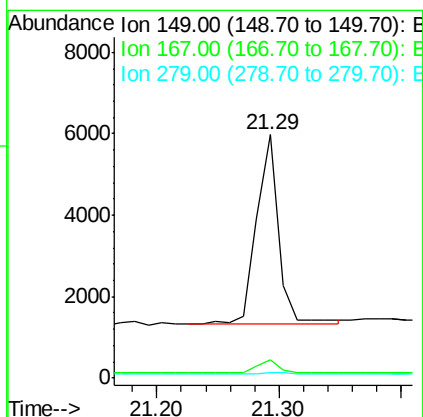
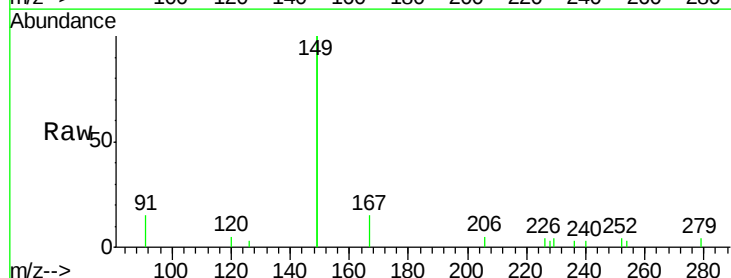
Tgt Ion: 149 Resp: 5955

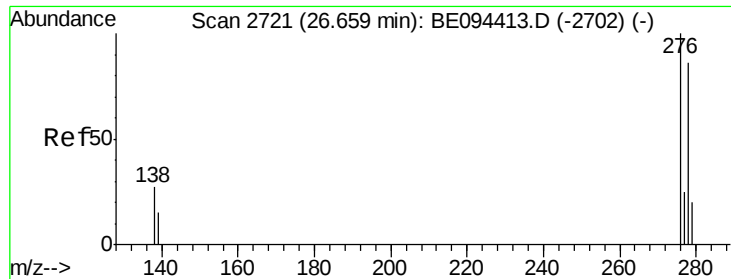
Ion Ratio Lower Upper

149 100

167 7.5 5.4 8.0

279 1.4 0.7 1.1#





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.005 ng

RT: 26.63 min Scan# 2716

Delta R.T. -0.03 min

Lab File: BE094446.D

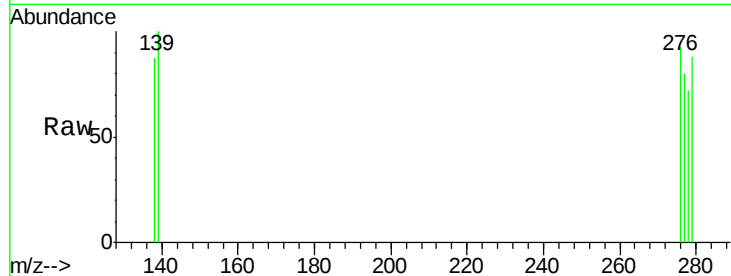
Acq: 19 Oct 2017 14:09

Instrument :

BNA_E

ClientSampleId :

KY038PS033-171011



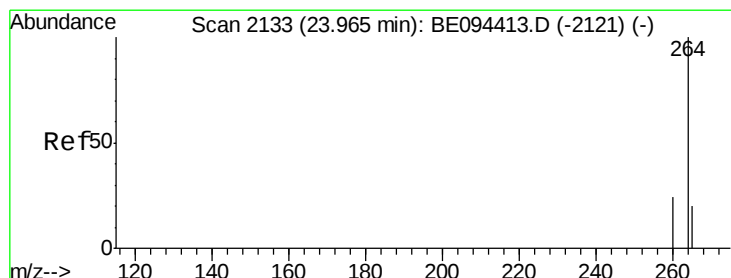
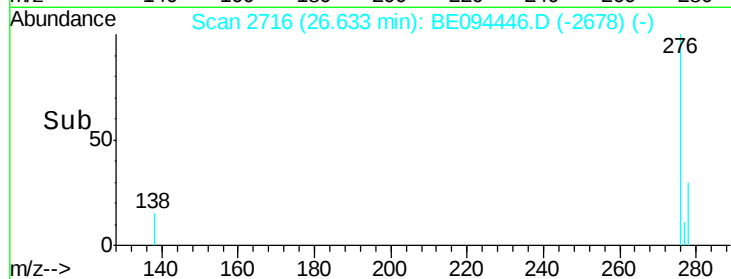
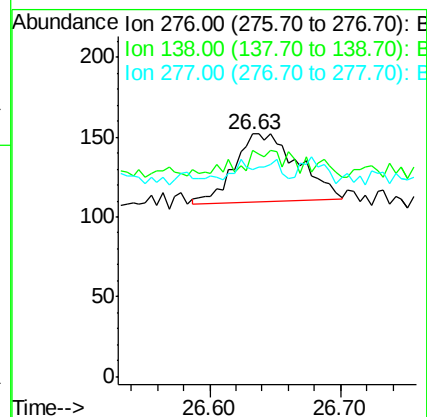
Tgt Ion:276 Resp: 146

Ion Ratio Lower Upper

276 100

138 6.2 22.5 33.7#

277 0.0 19.9 29.9#



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.95 min Scan# 2131

Delta R.T. -0.01 min

Lab File: BE094446.D

Acq: 19 Oct 2017 14:09

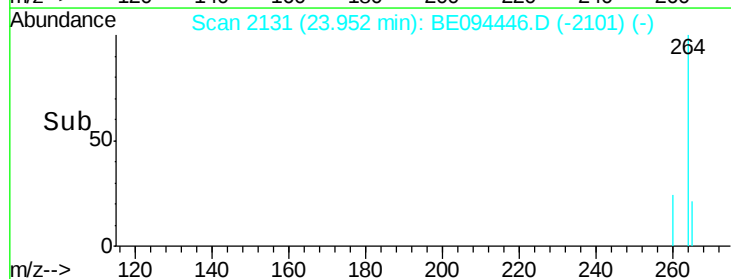
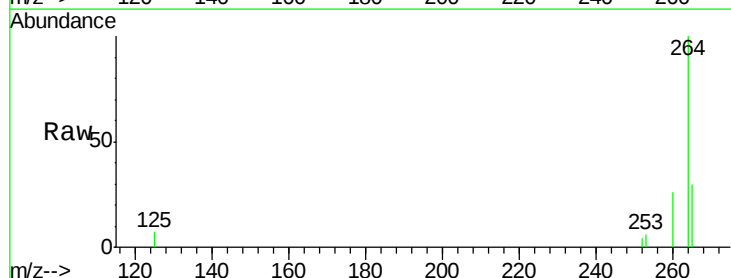
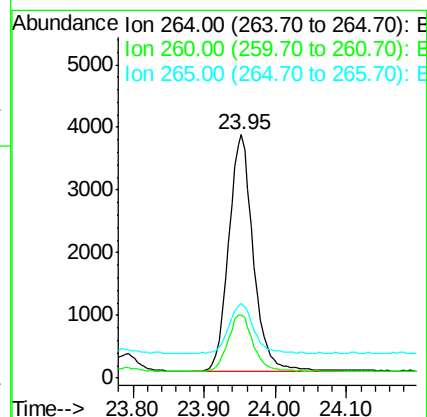
Tgt Ion:264 Resp: 9092

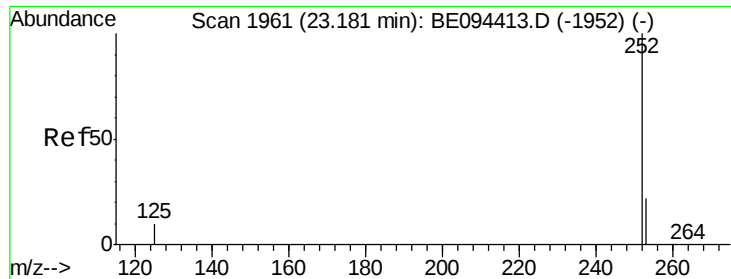
Ion Ratio Lower Upper

264 100

260 25.9 20.5 30.7

265 30.4 22.8 34.2





#35

Benzo(b)fluoranthene

Concen: 0.010 ng

RT: 23.18 min Scan# 1961

Delta R.T. -0.00 min

Lab File: BE094446.D

Acq: 19 Oct 2017 14:09

Instrument :

BNA_E

ClientSampleId :

KY038PS033-171011

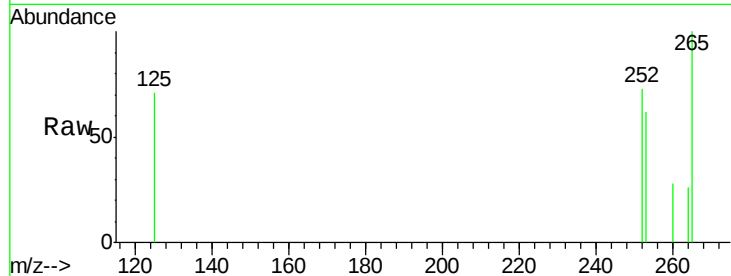
Tgt Ion:252 Resp: 298

Ion Ratio Lower Upper

252 100

253 84.3 48.0 72.0#

125 96.8 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

23.18

23.15

23.20

23.25

23.30

23.35

23.40

23.45

23.50

23.55

23.60

23.65

23.70

23.75

23.80

23.85

23.90

23.95

24.00

24.05

24.10

24.15

24.20

24.25

24.30

24.35

24.40

24.45

24.50

24.55

24.60

24.65

24.70

24.75

24.80

24.85

24.90

24.95

25.00

25.05

25.10

25.15

25.20

25.25

25.30

25.35

25.40

25.45

25.50

25.55

25.60

25.65

25.70

25.75

25.80

25.85

25.90

25.95

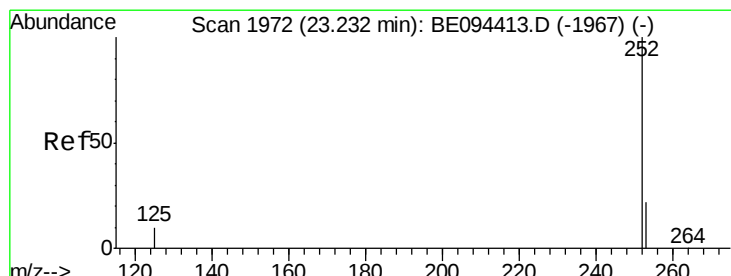
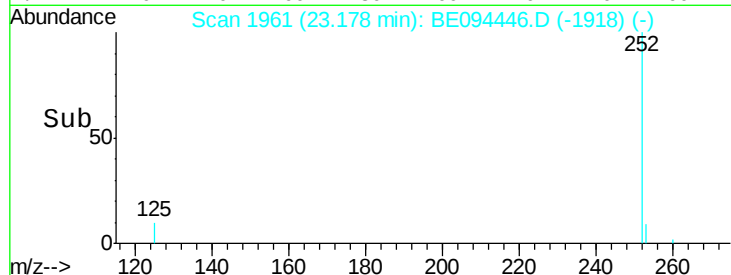
26.00

26.05

26.10

26.15

26.20



#36

Benzo(k)fluoranthene

Concen: 0.010 ng

RT: 23.18 min Scan# 1961

Delta R.T. -0.05 min

Lab File: BE094446.D

Acq: 19 Oct 2017 14:09

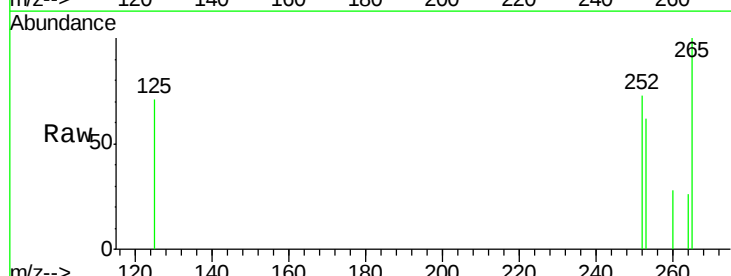
Tgt Ion:252 Resp: 298

Ion Ratio Lower Upper

252 100

253 84.3 48.0 72.0#

125 96.8 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

23.18

23.15

23.20

23.25

23.30

23.35

23.40

23.45

23.50

23.55

23.60

23.65

23.70

23.75

23.80

23.85

23.90

23.95

24.00

24.05

24.10

24.15

24.20

24.25

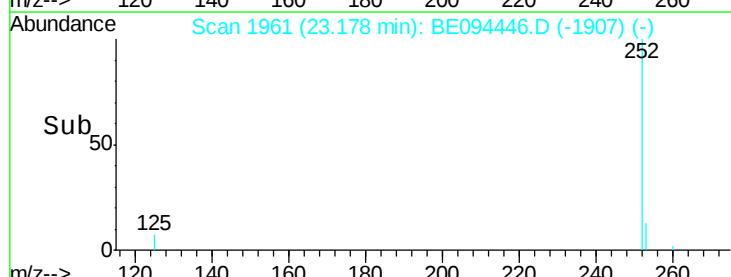
24.30

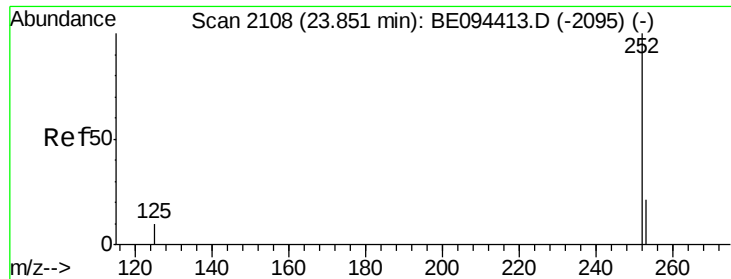
24.35

24.40

24.45

24.50





#37

Benzo(a)pyrene

Concen: 0.004 ng

RT: 23.84 min Scan# 2106

Delta R.T. -0.01 min

Lab File: BE094446.D

Acq: 19 Oct 2017 14:09

Instrument :

BNA_E

ClientSampleId :

KY038PS033-171011

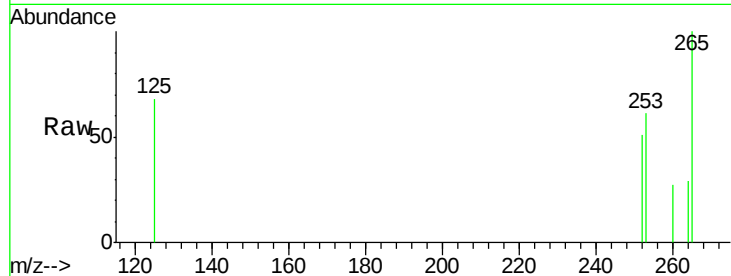
Tgt Ion: 252 Resp: 112

Ion Ratio Lower Upper

252 100

253 119.2 52.0 78.0#

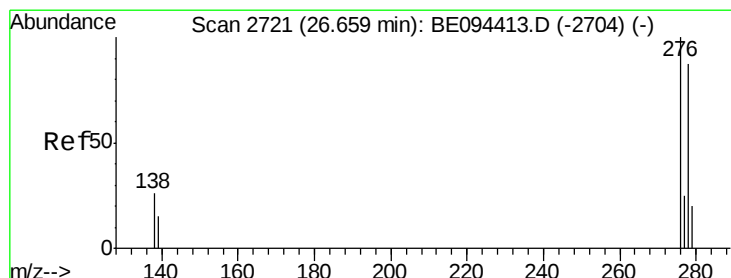
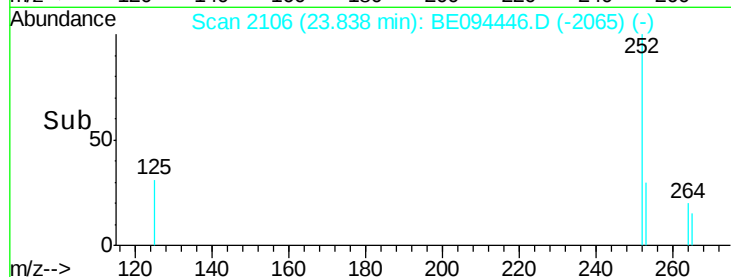
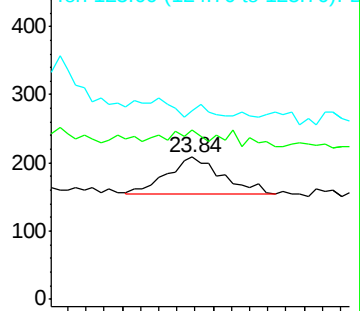
125 133.2 68.0 102.0#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#38

Dibenzo(a,h)anthracene

Concen: 0.001 ng

RT: 26.65 min Scan# 2719

Delta R.T. -0.01 min

Lab File: BE094446.D

Acq: 19 Oct 2017 14:09

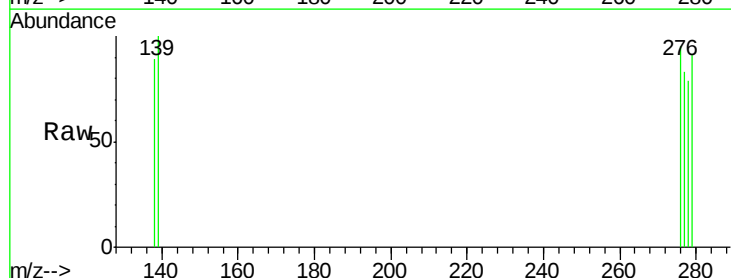
Tgt Ion: 278 Resp: 40

Ion Ratio Lower Upper

278 100

139 126.0 56.0 84.0#

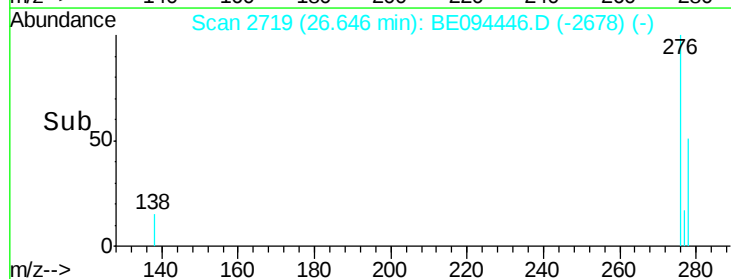
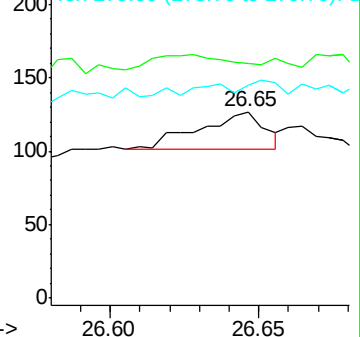
279 114.2 52.0 78.0#

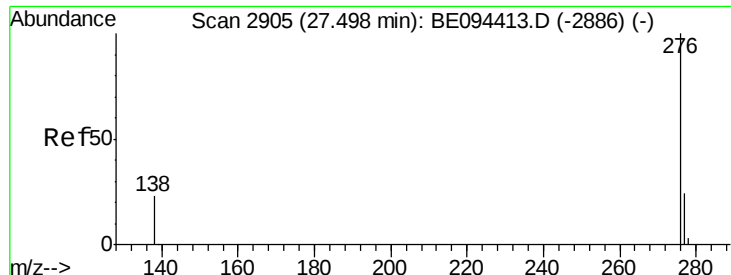


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(g,h,i)perylene

Concen: 0.005 ng

RT: 27.48 min Scan# 2903

Delta R.T. -0.01 min

Lab File: BE094446.D

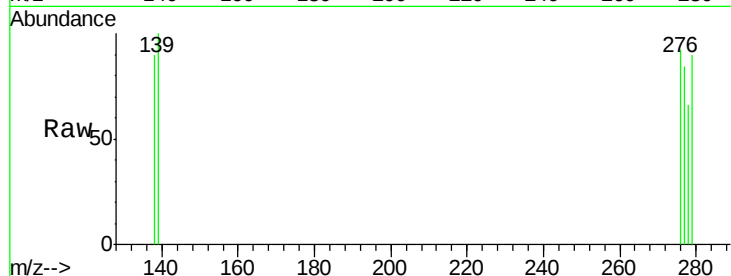
Acq: 19 Oct 2017 14:09

Instrument :

BNA_E

ClientSampleId :

KY038PS033-171011



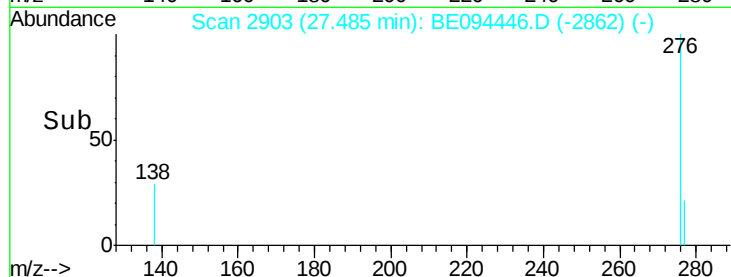
Tgt Ion: 276 Resp: 126

Ion Ratio Lower Upper

276 100

277 91.5 52.0 78.0#

138 97.2 44.0 66.0#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

