

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE101917\
 Data File : BE094447.D
 Acq On : 19 Oct 2017 14:44
 Operator : SJ/JU
 Sample : I5847-05
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 KY038PS034-171011

Quant Time: Oct 20 12:39:56 2017
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE101617.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 16 14:54:40 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	1499	0.40	ng	-0.01
7) Naphthalene-d8	10.71	136	7433	0.40	ng	0.00
13) Acenaphthene-d10	14.53	164	4822	0.40	ng	0.00
19) Phenanthrene-d10	17.24	188	9038	0.40	ng	-0.03
27) Chrysene-d12	21.43	240	11100	0.40	ng	0.00
34) Perylene-d12	23.95	264	10770	0.40	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.53	112	939	0.19	ng	0.01
5) Phenol-d6	7.15	99	674	0.09	ng	0.02
8) Nitrobenzene-d5	9.09	82	2704	0.42	ng	0.02
11) 2-Methylnaphthalene-d10	12.30	152	5620	0.49	ng	0.00
14) 2,4,6-Tribromophenol	16.03	330	641	0.35	ng	0.00
15) 2-Fluorobiphenyl	13.15	172	7763	0.45	ng	0.00
25) Fluoranthene-d10	19.28	212	60952	0.42	ng	0.00
29) Terphenyl-d14	19.86	244	10559	0.47	ng	0.00

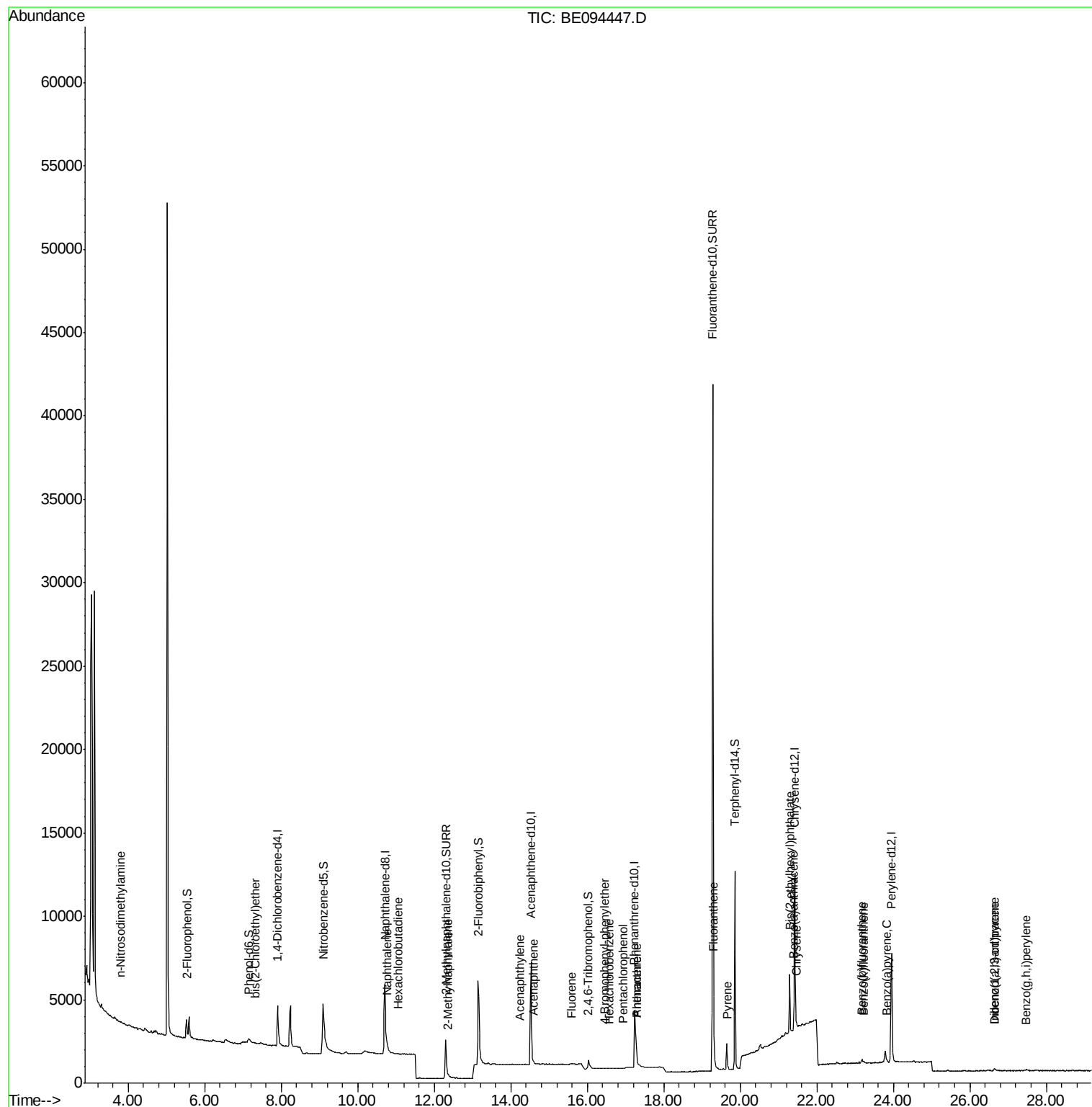
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.42	88	134	Below Cal		# 16
3) n-Nitrosodimethylamine	3.80	42	48	0.018	ng	# 1
6) bis(2-Chloroethyl)ether	7.33	93	9	0.002	ng	# 76
9) Naphthalene	10.76	128	469	0.006	ng	# 66
10) Hexachlorobutadiene	11.06	225	4	0.001	ng	# 33
12) 2-Methylnaphthalene	12.36	142	21	0.002	ng	# 50
16) Acenaphthylene	14.24	152	39	0.001	ng	# 51
17) Acenaphthene	14.58	154	29	0.002	ng	# 45
18) Fluorene	15.58	166	44	0.002	ng	# 19
20) 4-Bromophenyl-phenylether	16.45	248	10	0.002	ng	# 40
21) Hexachlorobenzene	16.58	284	14	0.028	ng	# 38
22) Pentachlorophenol	16.94	266	2	0.159	ng	# 94
23) Phenanthrene	17.30	178	174	0.005	ng	# 81
24) Anthracene	17.30	178	170	0.006	ng	# 76
26) Fluoranthene	19.31	202	177	0.004	ng	# 70
28) Pyrene	19.67	202	185	0.004	ng	# 79
30) Benzo(a)anthracene	21.40	228	223	0.006	ng	# 63
31) Chrysene	21.46	228	195	0.005	ng	# 71
32) Bis(2-ethylhexyl)phthalate	21.29	149	4656	0.042	ng	# 98
33) Indeno(1,2,3-cd)pyrene	26.65	276	226	0.006	ng	# 73
35) Benzo(b)fluoranthene	23.18	252	318	0.009	ng	# 61
36) Benzo(k)fluoranthene	23.23	252	176	0.005	ng	# 49
37) Benzo(a)pyrene	23.85	252	148	0.004	ng	# 46
38) Dibenzo(a,h)anthracene	26.64	278	113	0.003	ng	# 39
39) Benzo(g,h,i)perylene	27.48	276	148	0.005	ng	# 64

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

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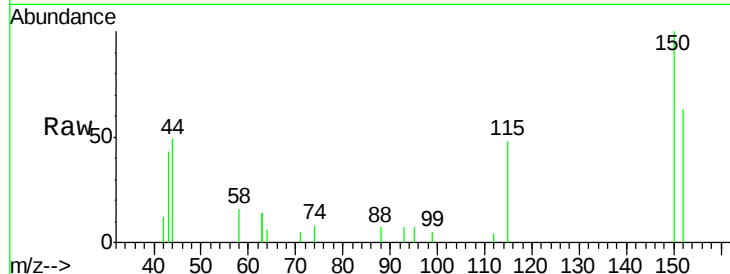




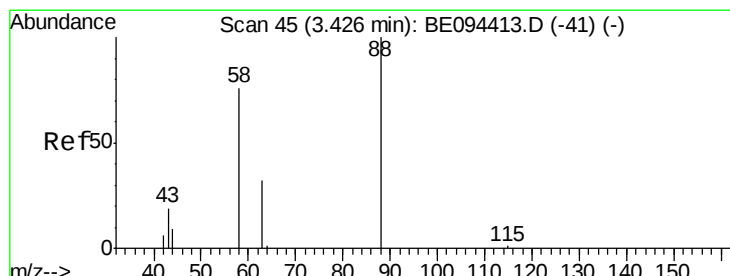
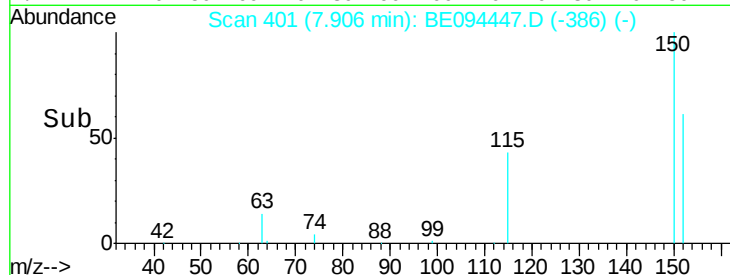
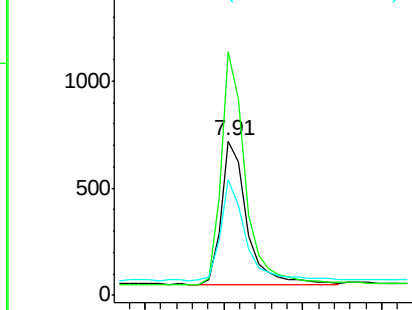
#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.91 min Scan# 401
 Delta R.T. -0.01 min
 Lab File: BE094447.D
 Acq: 19 Oct 2017 14:44

Instrument :
 BNA_E
 ClientSampleId :
 KY038PS034-171011

Tgt Ion: 152 Resp: 1499
 Ion Ratio Lower Upper
 152 100
 150 157.8 117.2 175.8
 115 75.3 57.0 85.6

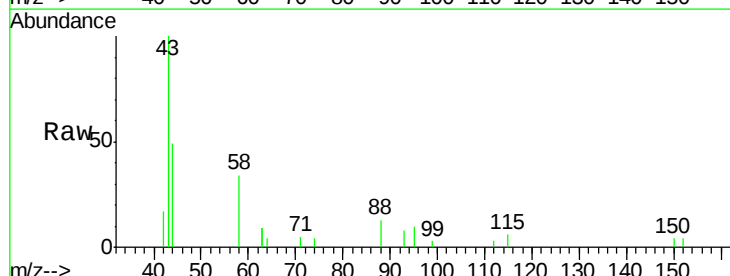


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

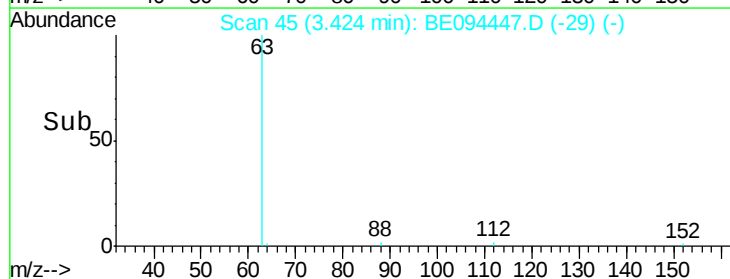
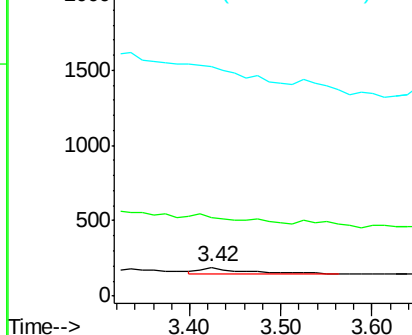


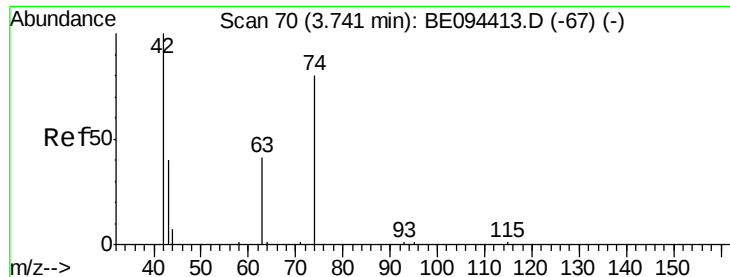
#2
 1,4-Dioxane
 Concen: Below Cal
 RT: 3.42 min Scan# 45
 Delta R.T. -0.00 min
 Lab File: BE094447.D
 Acq: 19 Oct 2017 14:44

Tgt Ion: 88 Resp: 134
 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: 0.018 ng

RT: 3.80 min Scan# 75

Delta R.T. 0.06 min

Lab File: BE094447.D

Acq: 19 Oct 2017 14:44

Instrument :

BNA_E

ClientSampleId :

KY038PS034-171011

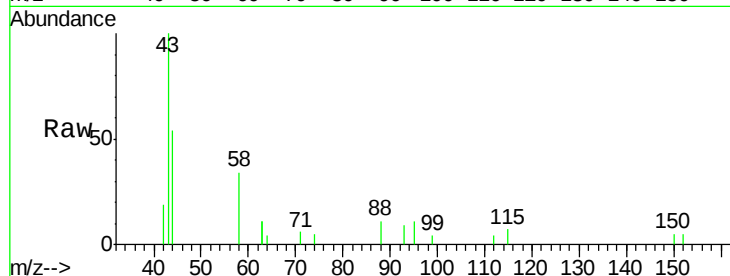
Tgt Ion: 42 Resp: 48

Ion Ratio Lower Upper

42 100

74 0.0 100.3 150.5#

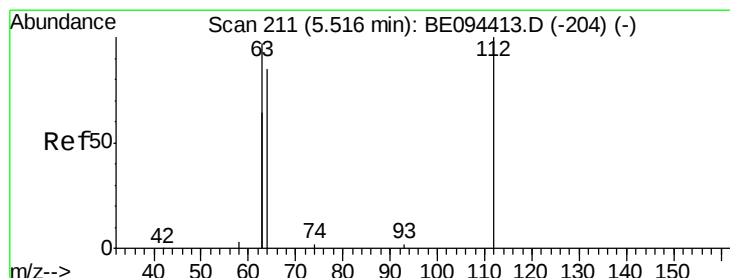
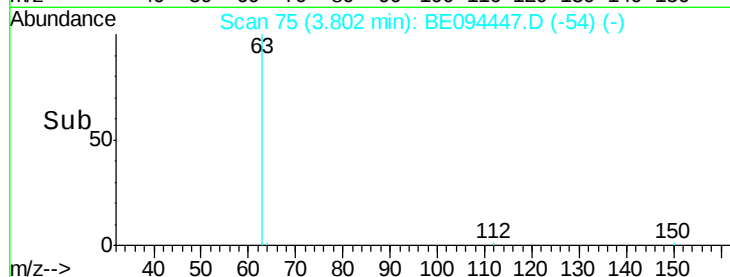
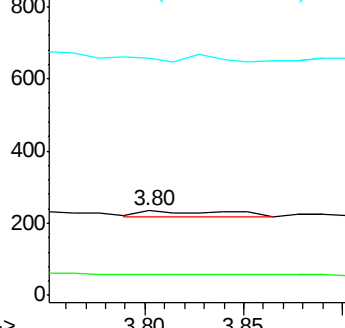
44 0.0 17.0 25.4#



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: 0.185 ng

RT: 5.53 min Scan# 212

Delta R.T. 0.01 min

Lab File: BE094447.D

Acq: 19 Oct 2017 14:44

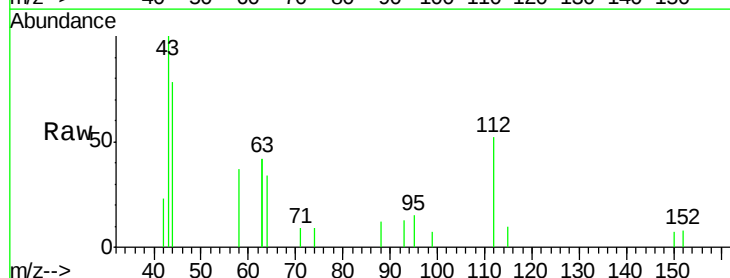
Tgt Ion: 112 Resp: 939

Ion Ratio Lower Upper

112 100

64 73.3 60.1 90.1

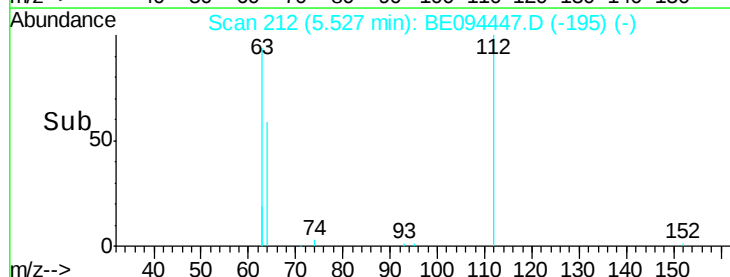
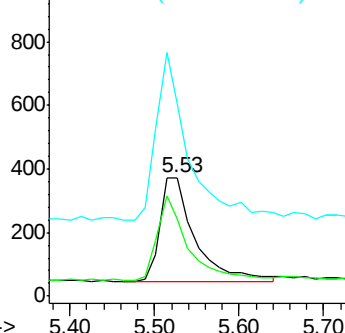
63 151.8 116.8 175.2

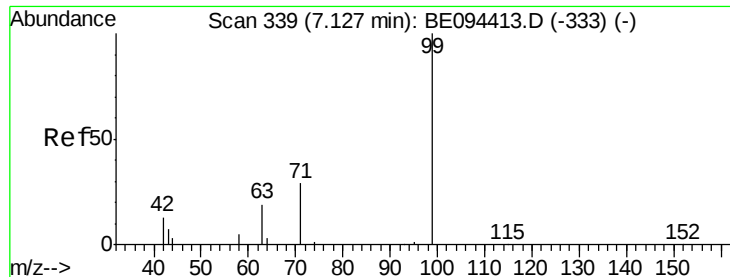


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.085 ng

RT: 7.15 min Scan# 341

Delta R.T. 0.02 min

Lab File: BE094447.D

Acq: 19 Oct 2017 14:44

Instrument :

BNA_E

ClientSampleId :

KY038PS034-171011

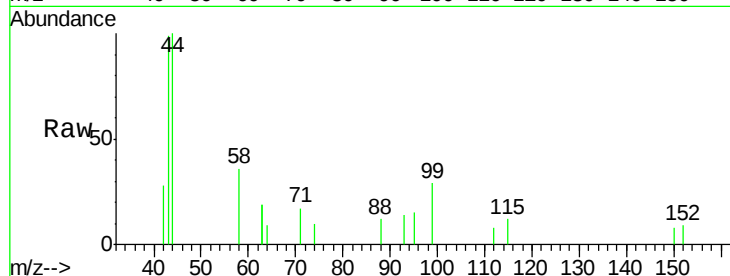
Tgt Ion: 99 Resp: 674

Ion Ratio Lower Upper

99 100

42 0.0 20.2 30.2#

71 0.0 28.4 42.6#



Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0

200

150

100

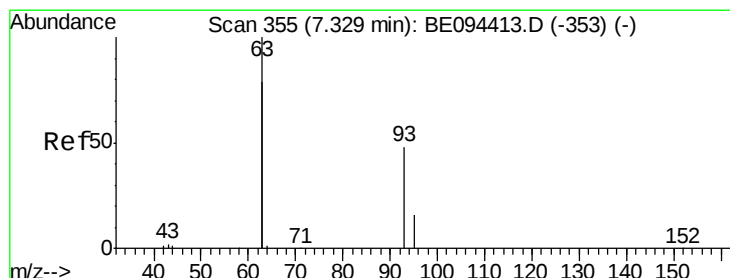
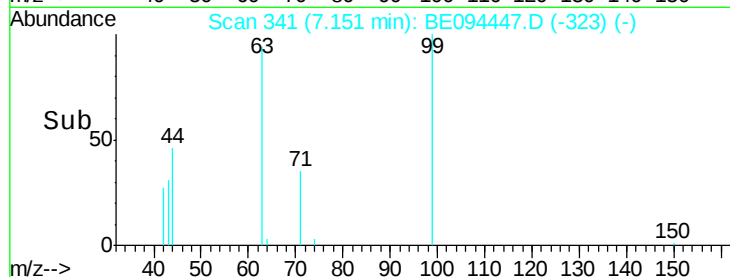
50

0

7.15

7.00 7.10 7.20 7.30

Time-->



#6

bis(2-Chloroethyl)ether

Concen: 0.002 ng

RT: 7.33 min Scan# 355

Delta R.T. -0.00 min

Lab File: BE094447.D

Acq: 19 Oct 2017 14:44

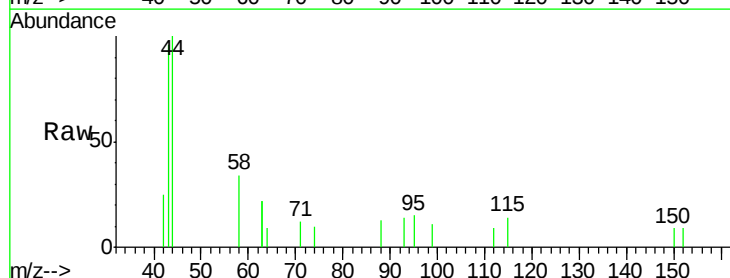
Tgt Ion: 93 Resp: 9

Ion Ratio Lower Upper

93 100

63 300.0 275.3 412.9

95 0.0 25.2 37.8#



Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0

300

200

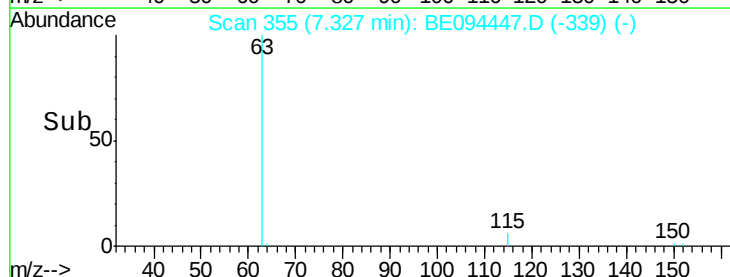
100

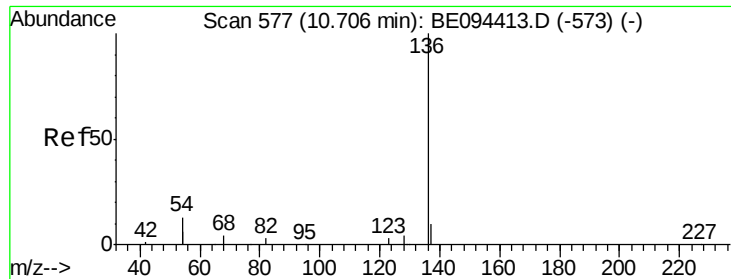
0

7.33

7.28 7.30 7.32 7.34 7.36

Time-->





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.71 min Scan# 577

Delta R.T. -0.00 min

Lab File: BE094447.D

Acq: 19 Oct 2017 14:44

Instrument :

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Tgt Ion:136 Resp: 7433

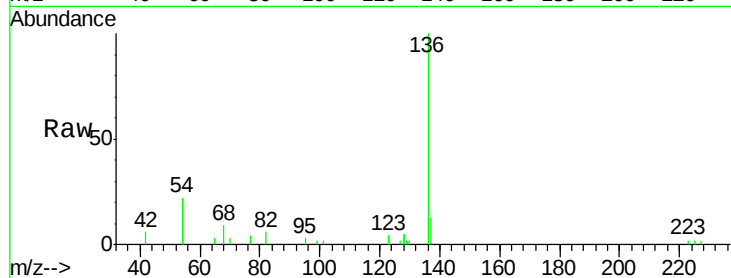
Ion Ratio Lower Upper

136 100

137 13.0 9.5 14.3

54 44.7 29.1 43.7#

68 9.1 6.2 9.2

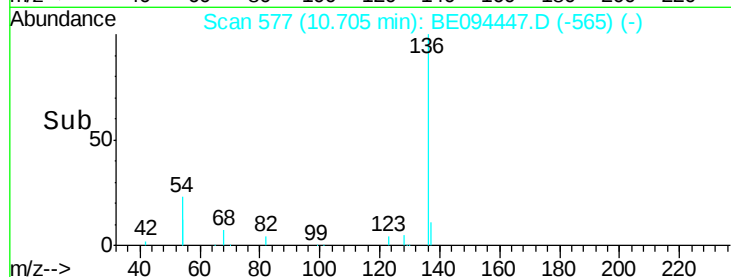


Abundance Ion 136.00 (135.70 to 136.70): E

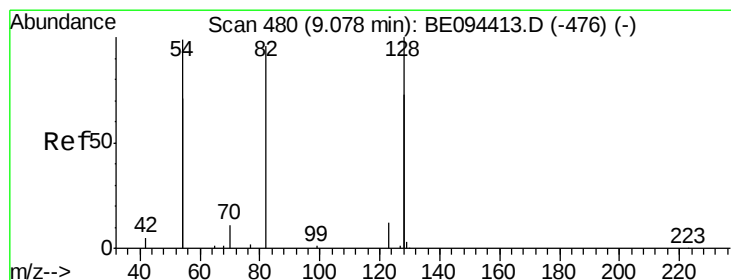
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



Time-->



#8

Nitrobenzene-d5

Concen: 0.419 ng

RT: 9.09 min Scan# 481

Delta R.T. 0.02 min

Lab File: BE094447.D

Acq: 19 Oct 2017 14:44

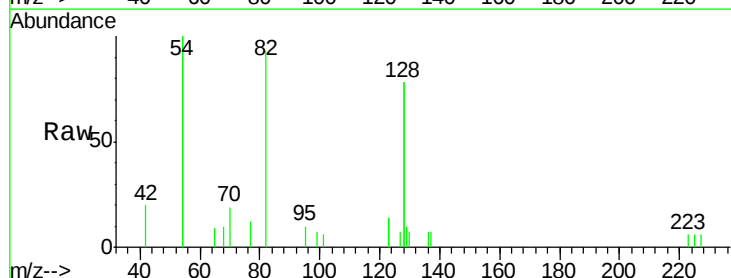
Tgt Ion: 82 Resp: 2704

Ion Ratio Lower Upper

82 100

128 169.2 150.0 225.0

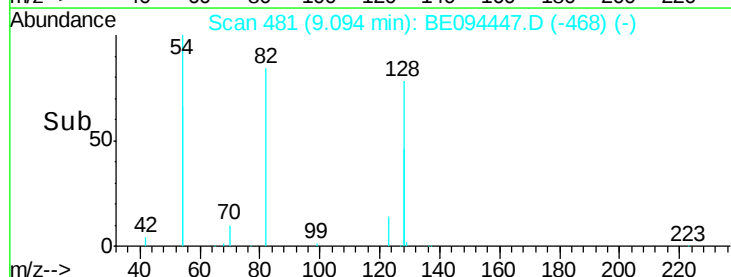
54 216.1 154.2 231.4



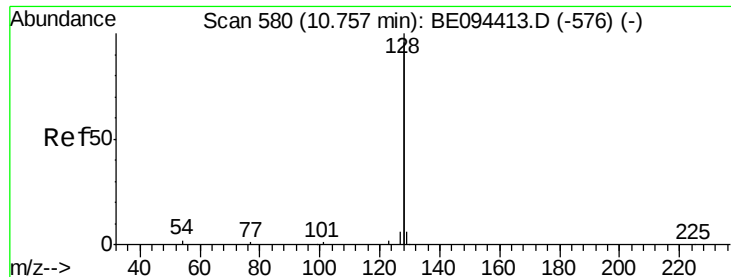
Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0



Time-->



#9

Naphthalene

Concen: 0.006 ng

RT: 10.76 min Scan# 580

Delta R.T. -0.00 min

Lab File: BE094447.D

Acq: 19 Oct 2017 14:44

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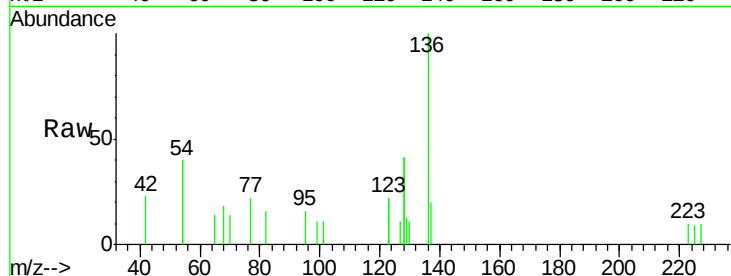
Tgt Ion:128 Resp: 469

Ion Ratio Lower Upper

128 100

129 15.9 2.6 3.8#

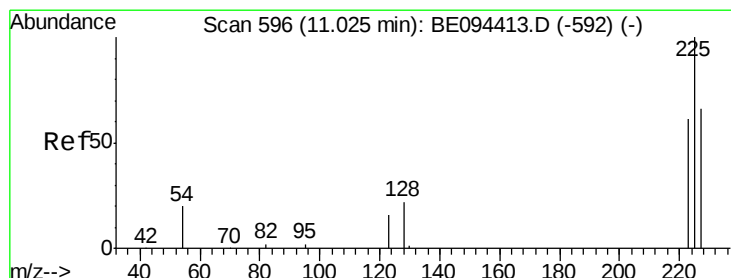
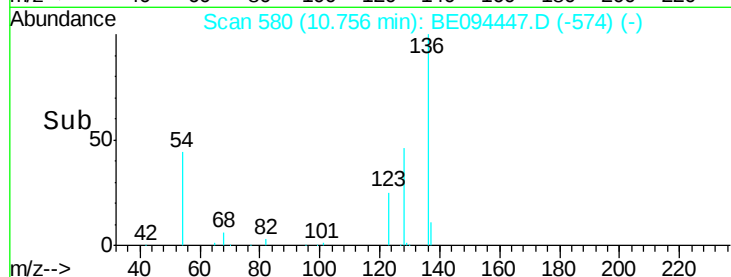
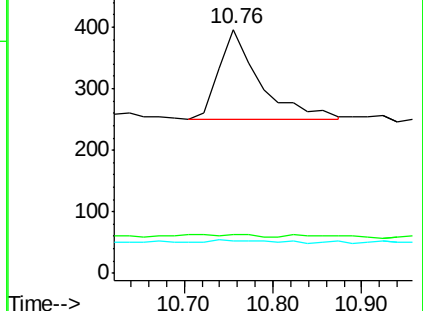
127 13.1 2.8 4.2#



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: 0.001 ng

RT: 11.06 min Scan# 598

Delta R.T. 0.03 min

Lab File: BE094447.D

Acq: 19 Oct 2017 14:44

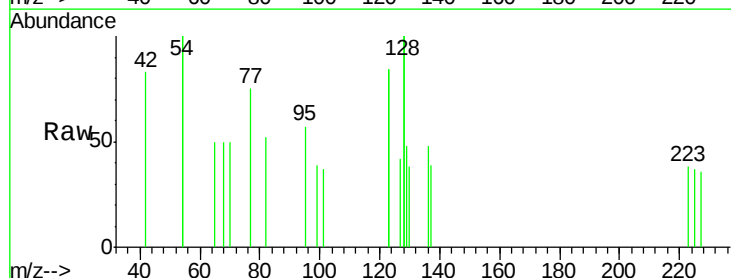
Tgt Ion:225 Resp: 4

Ion Ratio Lower Upper

225 100

223 0.0 53.0 79.6#

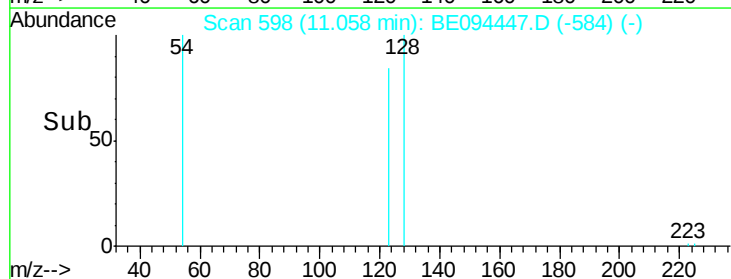
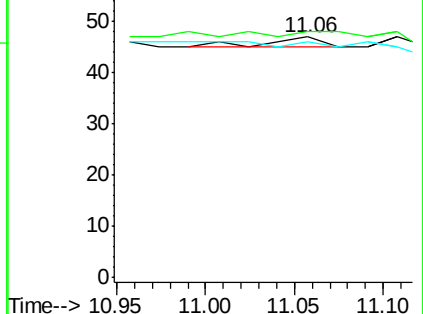
227 25.0 51.4 77.2#



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: 0.490 ng

RT: 12.30 min Scan# 826

Delta R.T. 0.01 min

Lab File: BE094447.D

Acq: 19 Oct 2017 14:44

Instrument :

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ClientSampleId :

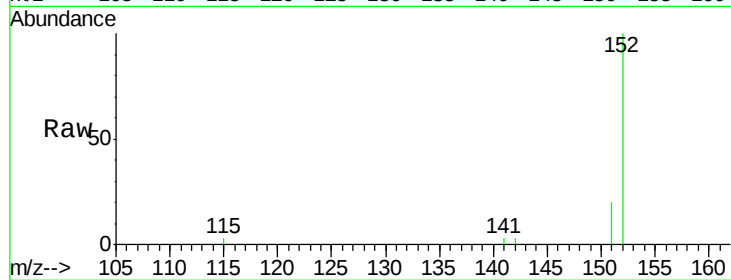
KY038PS034-171011

Tgt Ion:152 Resp: 5620

Ion Ratio Lower Upper

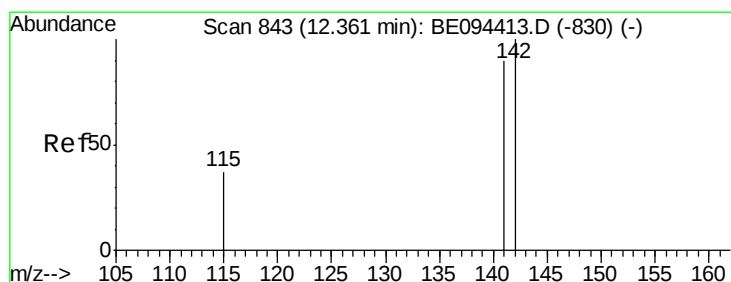
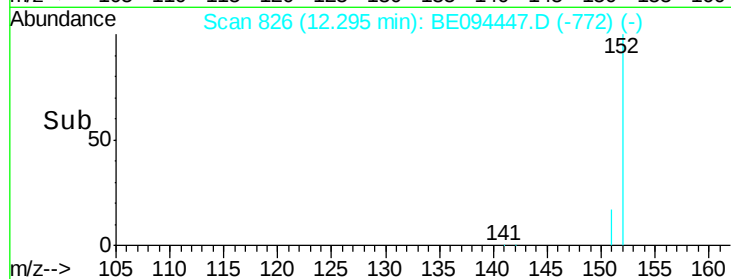
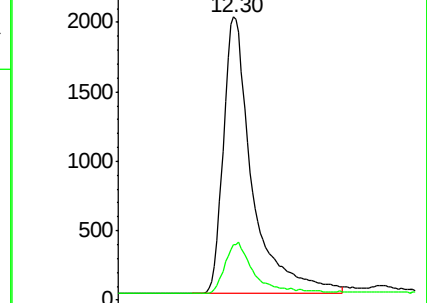
152 100

151 17.5 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: 0.002 ng

RT: 12.36 min Scan# 844

Delta R.T. 0.00 min

Lab File: BE094447.D

Acq: 19 Oct 2017 14:44

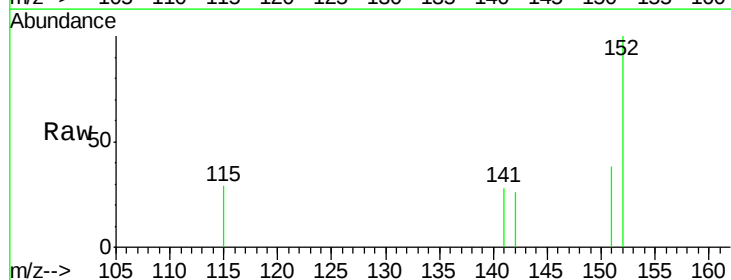
Tgt Ion:142 Resp: 21

Ion Ratio Lower Upper

142 100

141 106.3 70.4 105.6#

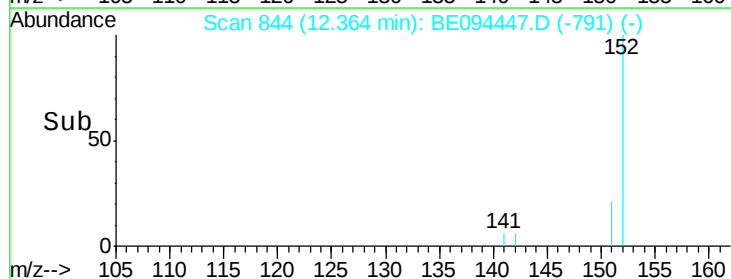
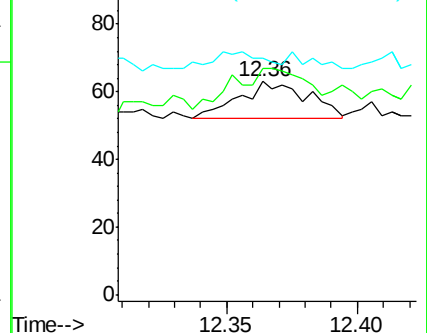
115 111.1 31.7 47.5#

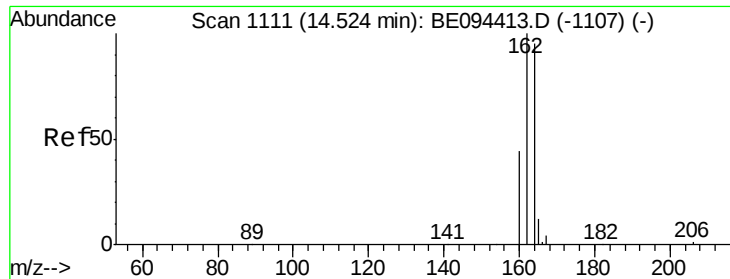


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.53 min Scan# 1112

Delta R.T. 0.00 min

Lab File: BE094447.D

Acq: 19 Oct 2017 14:44

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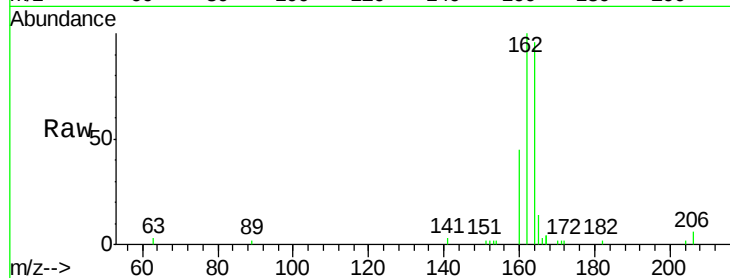
Tgt Ion:164 Resp: 4822

Ion Ratio Lower Upper

164 100

162 104.7 83.1 124.7

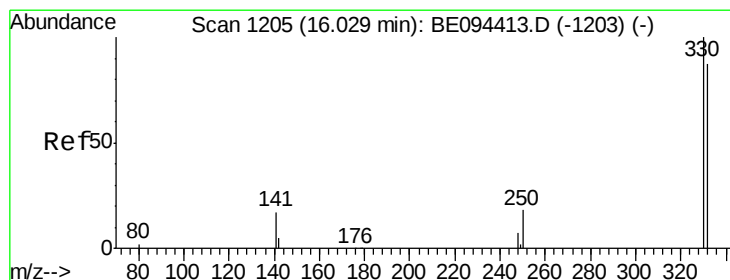
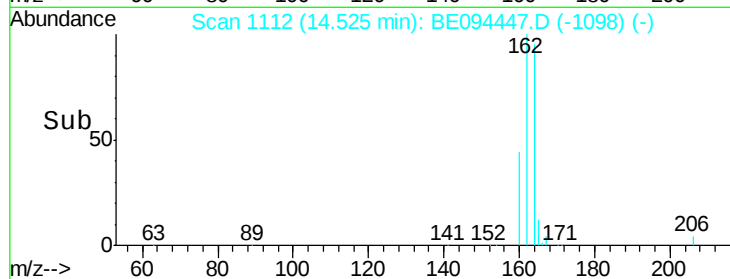
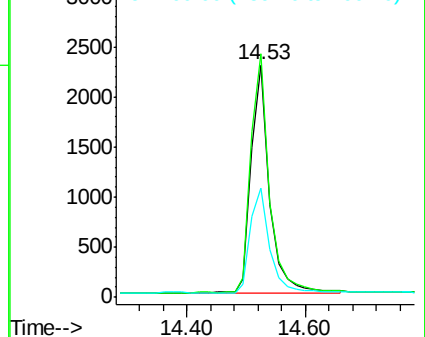
160 46.9 37.1 55.7



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: 0.349 ng

RT: 16.03 min Scan# 1206

Delta R.T. 0.00 min

Lab File: BE094447.D

Acq: 19 Oct 2017 14:44

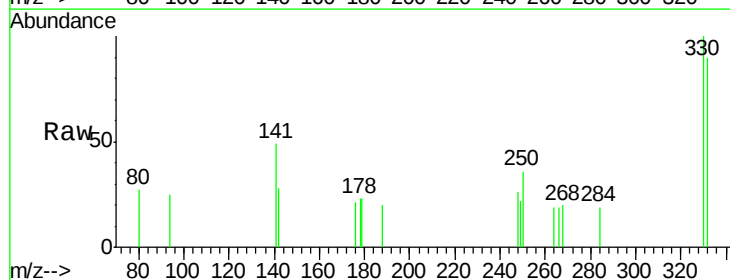
Tgt Ion:330 Resp: 641

Ion Ratio Lower Upper

330 100

332 94.9 152.7 229.1#

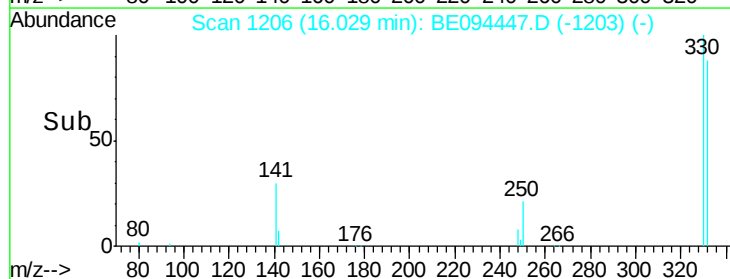
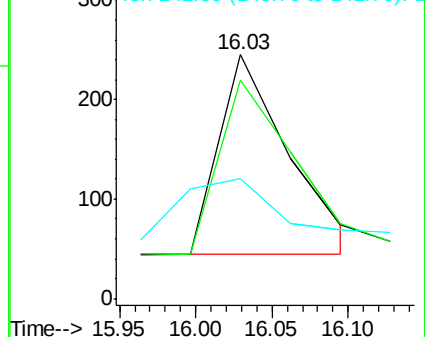
141 0.0 33.7 50.5#

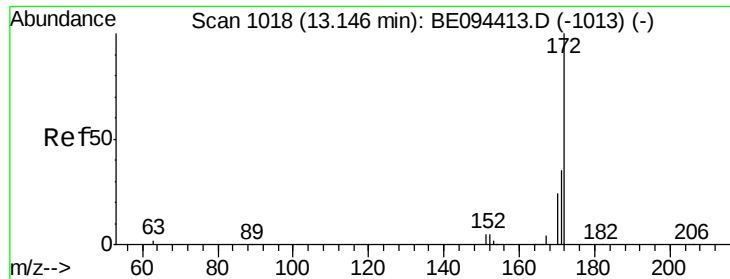


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

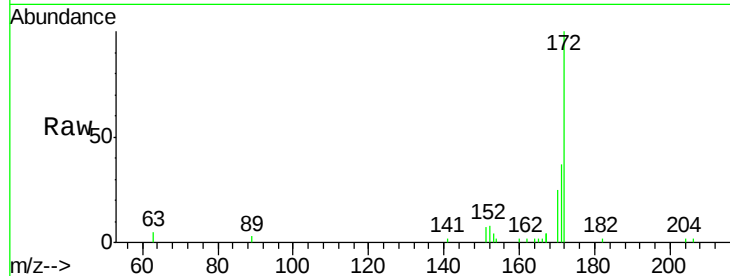




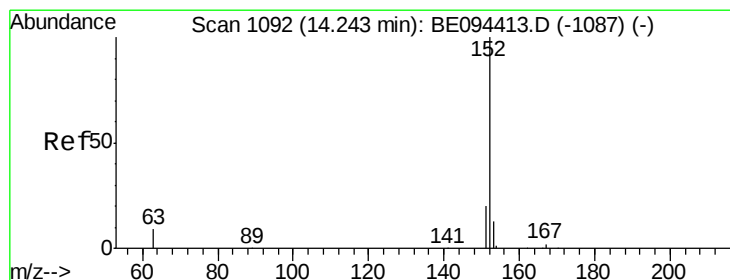
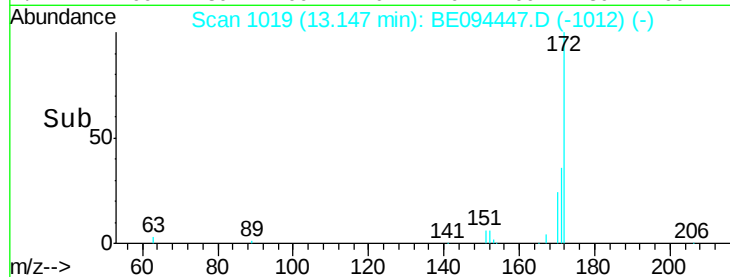
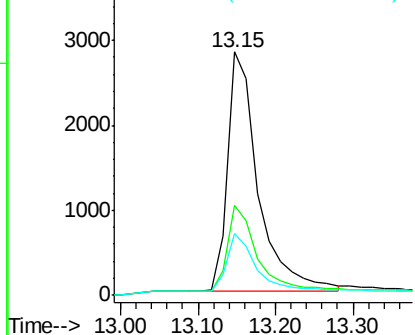
#15
2-Fluorobiphenyl
Concen: 0.451 ng
RT: 13.15 min Scan# 1019
Delta R.T. 0.00 min
Lab File: BE094447.D
Acq: 19 Oct 2017 14:44

Instrument :
BNA_E
ClientSampleId :
KY038PS034-171011

Tgt Ion:172 Resp: 7763
Ion Ratio Lower Upper
172 100
171 36.8 29.9 44.9
170 25.5 21.8 32.8

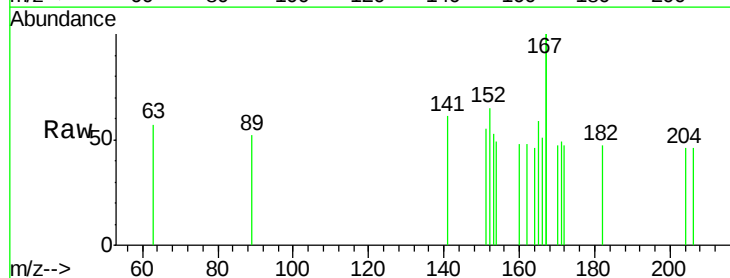


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

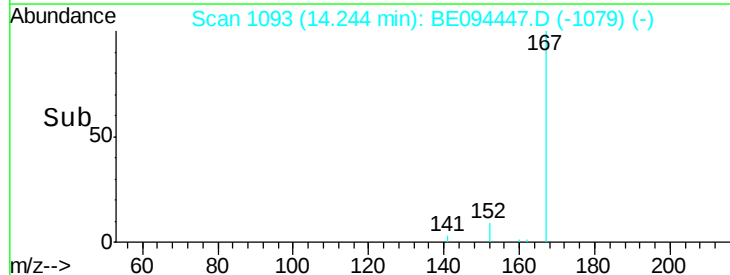
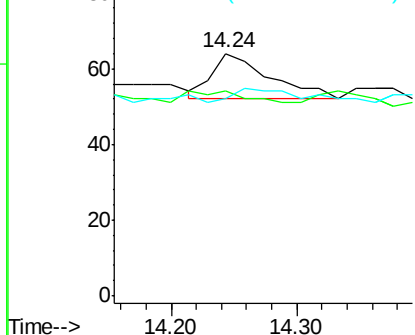


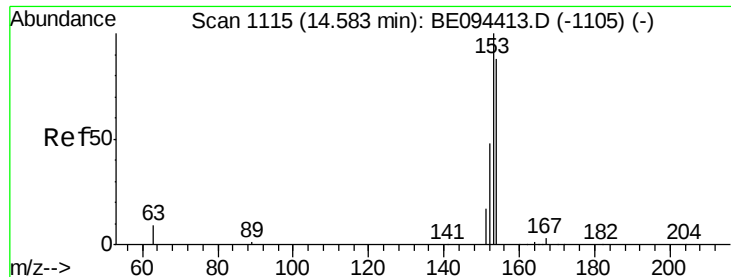
#16
Acenaphthylene
Concen: 0.001 ng
RT: 14.24 min Scan# 1093
Delta R.T. 0.00 min
Lab File: BE094447.D
Acq: 19 Oct 2017 14:44

Tgt Ion:152 Resp: 39
Ion Ratio Lower Upper
152 100
151 0.0 15.7 23.5#
153 35.9 10.5 15.7#



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 0.002 ng

RT: 14.58 min Scan# 1116

Delta R.T. 0.00 min

Lab File: BE094447.D

Acq: 19 Oct 2017 14:44

Instrument :

BNA_E

ClientSampleId :

KY038PS034-171011

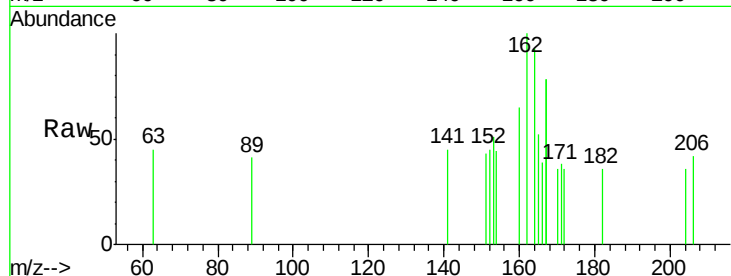
Tgt Ion:154 Resp: 29

Ion Ratio Lower Upper

154 100

153 182.8 89.2 133.8#

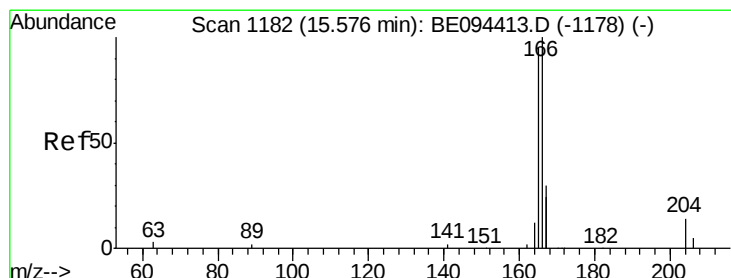
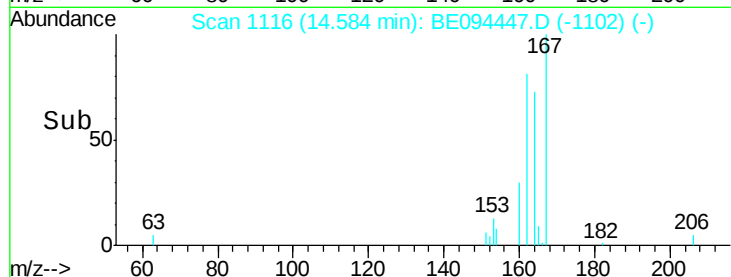
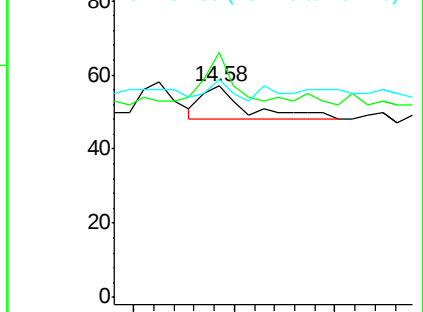
152 31.0 42.0 63.0#



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



#18

Fluorene

Concen: 0.002 ng

RT: 15.58 min Scan# 1183

Delta R.T. 0.00 min

Lab File: BE094447.D

Acq: 19 Oct 2017 14:44

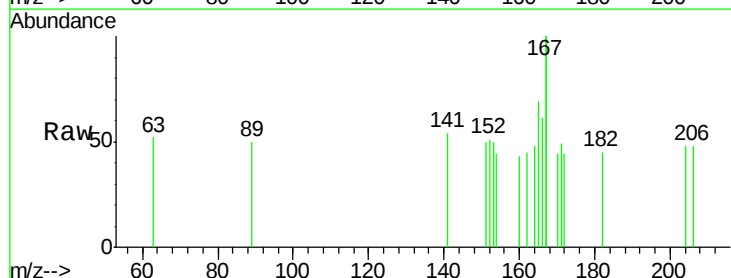
Tgt Ion:166 Resp: 44

Ion Ratio Lower Upper

166 100

165 115.9 77.8 116.6

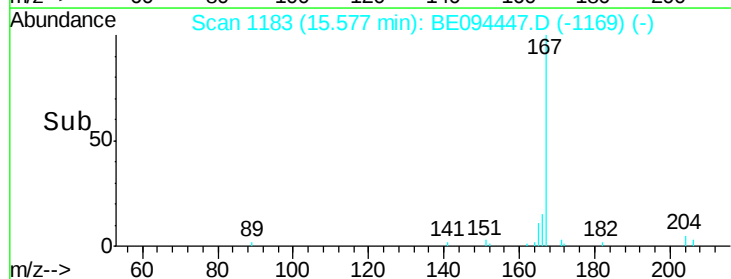
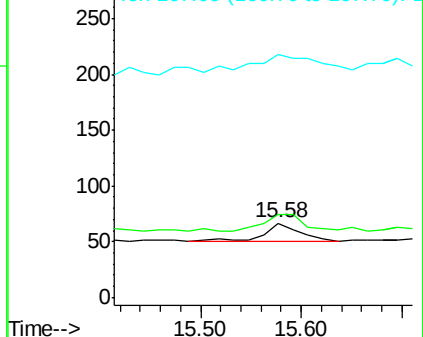
167 190.9 42.4 63.6#

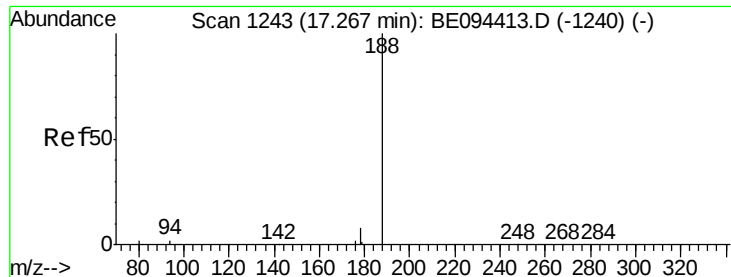


Abundance Ion 166.00 (165.70 to 166.70): E

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: BE094447.D

Acq: 19 Oct 2017 14:44

Instrument :

BNA_E

ClientSampleId :

KY038PS034-171011

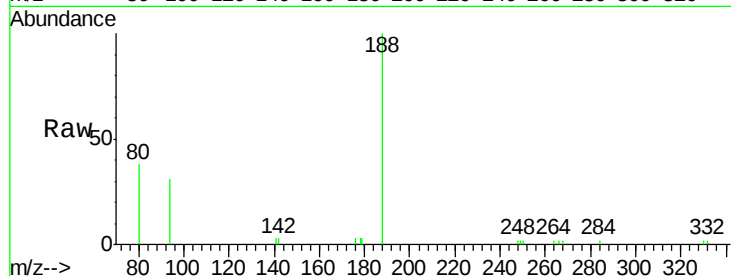
Tgt Ion:188 Resp: 9038

Ion Ratio Lower Upper

188 100

94 31.3 3.9 5.9#

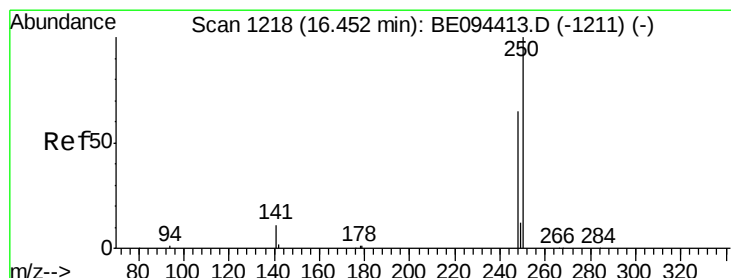
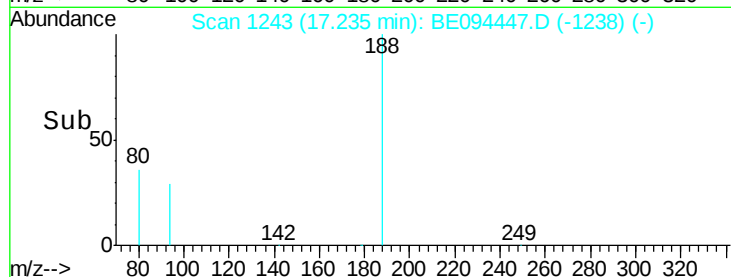
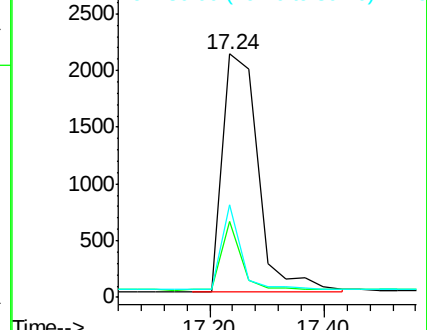
80 38.0 3.6 5.4#



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



#20

4-Bromophenyl-phenylether

Concen: 0.002 ng

RT: 16.45 min Scan# 1219

Delta R.T. 0.00 min

Lab File: BE094447.D

Acq: 19 Oct 2017 14:44

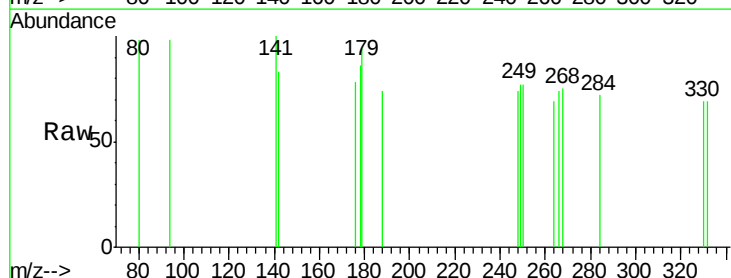
Tgt Ion:248 Resp: 10

Ion Ratio Lower Upper

248 100

250 104.2 62.7 94.1#

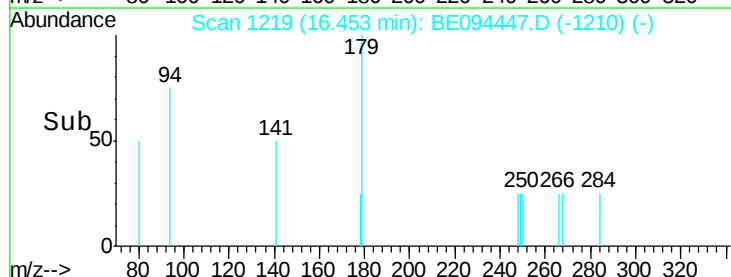
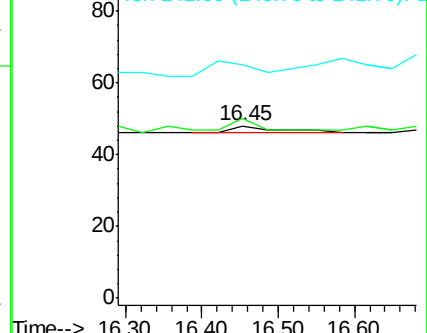
141 135.4 48.2 72.2#



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: BE094447.D

Acq: 19 Oct 2017 14:44

Instrument :

BNA_E

ClientSampleId :

KY038PS034-171011

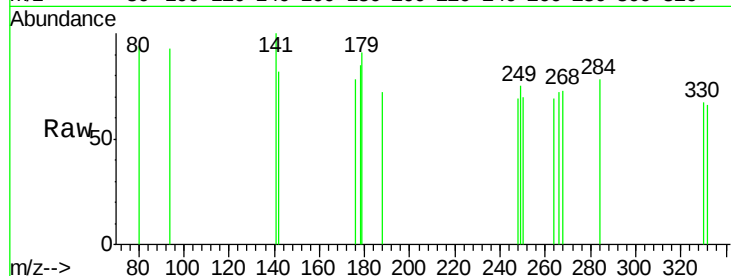
Tgt Ion:284 Resp: 14

Ion Ratio Lower Upper

284 100

142 0.0 22.1 33.1#

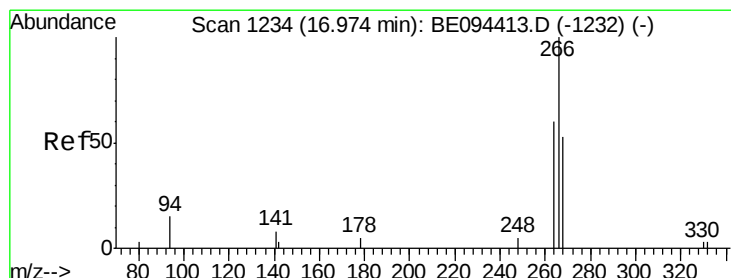
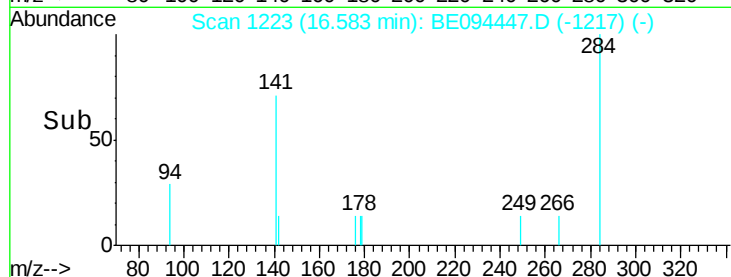
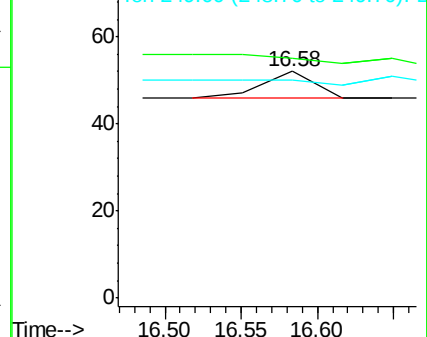
249 0.0 34.8 52.2#



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: 0.159 ng

RT: 16.94 min Scan# 1234

Delta R.T. -0.03 min

Lab File: BE094447.D

Acq: 19 Oct 2017 14:44

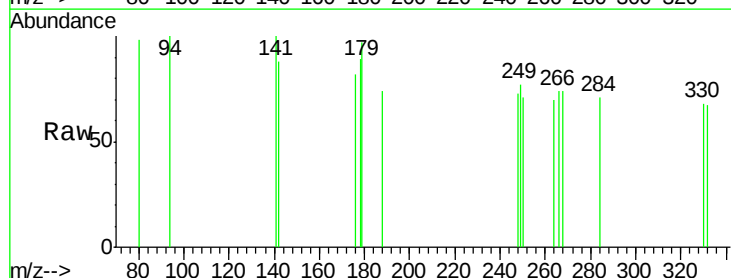
Tgt Ion:266 Resp: 2

Ion Ratio Lower Upper

266 100

264 93.9 72.5 108.7

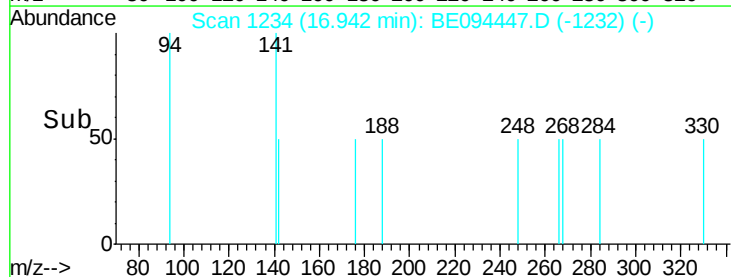
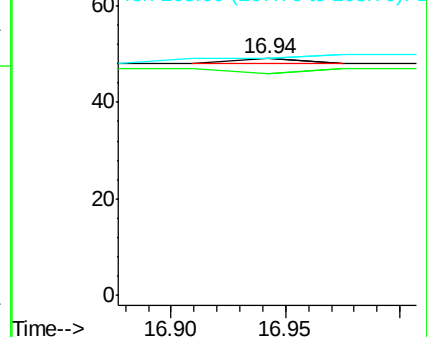
268 100.0 73.8 110.6

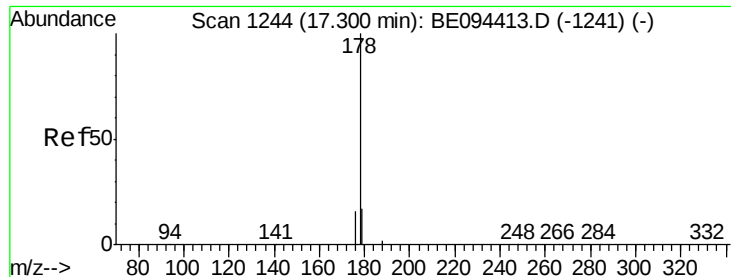


Abundance Ion 266.00 (265.70 to 266.70): E

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: BE094447.D

Acq: 19 Oct 2017 14:44

Instrument :

BNA_E

ClientSampleId :

KY038PS034-171011

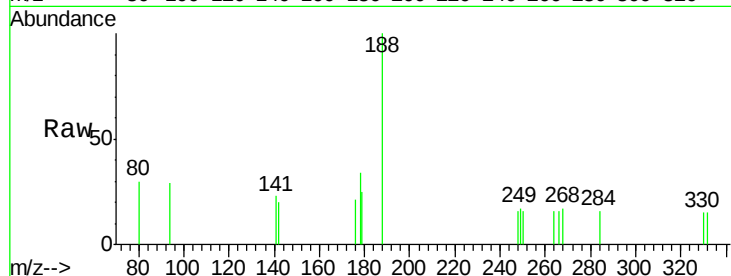
Tgt Ion:178 Resp: 174

Ion Ratio Lower Upper

178 100

176 19.0 15.1 22.7

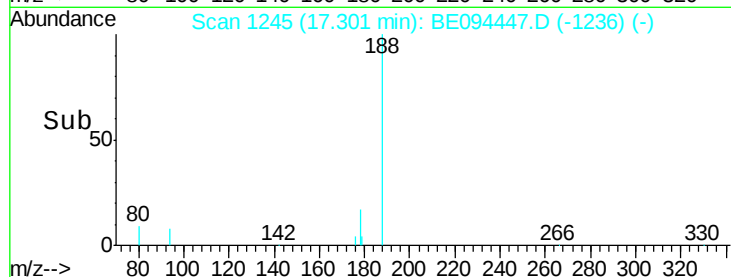
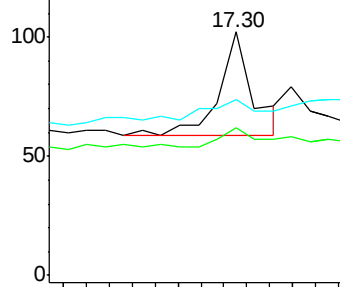
179 32.8 11.8 17.6#



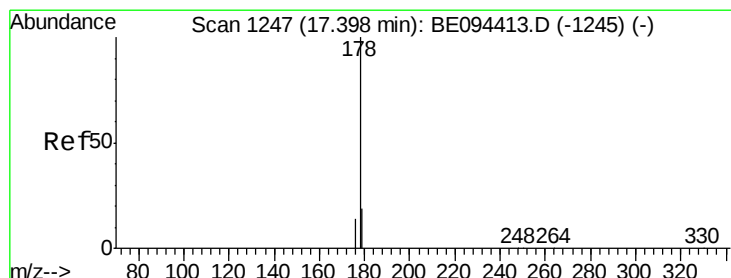
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#24

Anthracene

Concen: 0.006 ng

RT: 17.30 min Scan# 1245

Delta R.T. -0.10 min

Lab File: BE094447.D

Acq: 19 Oct 2017 14:44

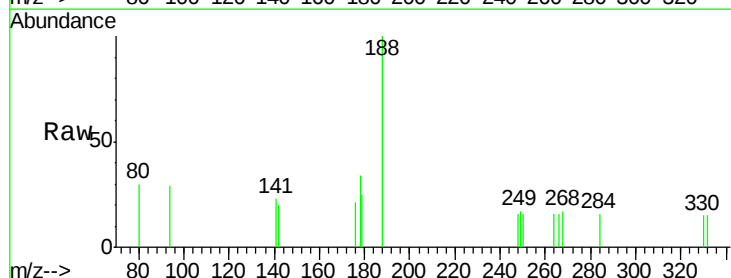
Tgt Ion:178 Resp: 170

Ion Ratio Lower Upper

178 100

176 19.4 12.8 19.2#

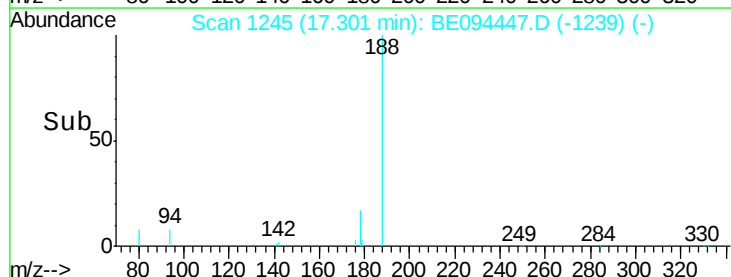
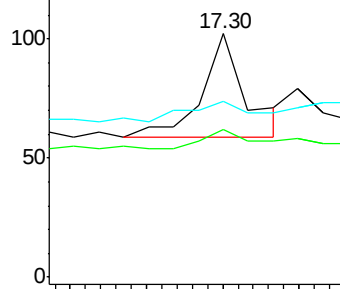
179 33.5 13.0 19.6#



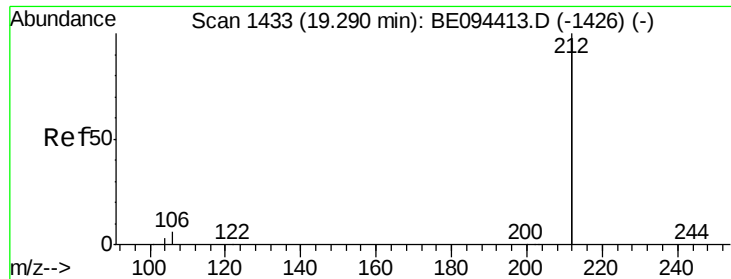
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#25

Fluoranthene-d10

Concen: 0.419 ng

RT: 19.28 min Scan# 1433

Delta R.T. -0.01 min

Lab File: BE094447.D

Acq: 19 Oct 2017 14:44

Instrument :

BNA_E

ClientSampleId :

KY038PS034-171011

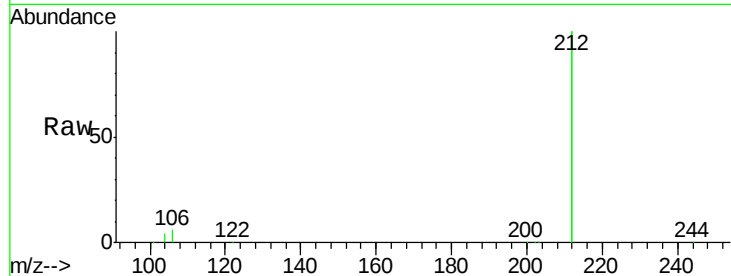
Tgt Ion:212 Resp: 60952

Ion Ratio Lower Upper

212 100

106 3.4 2.8 4.2

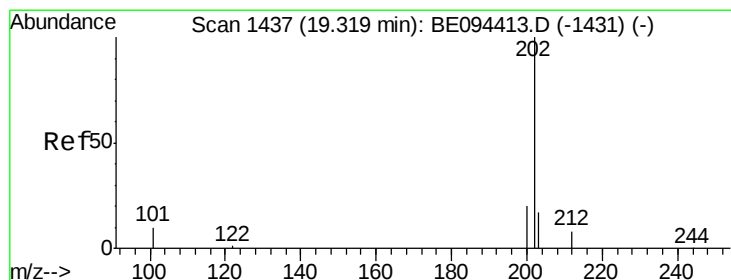
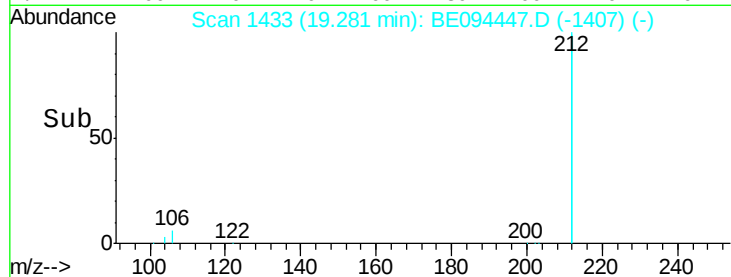
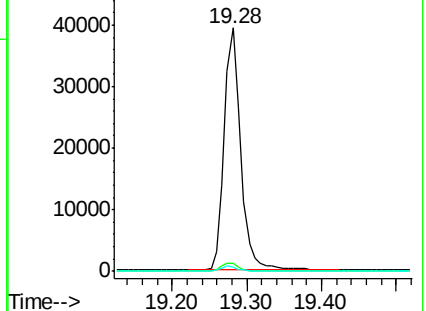
104 2.0 1.6 2.4



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: 0.004 ng

RT: 19.31 min Scan# 1437

Delta R.T. -0.01 min

Lab File: BE094447.D

Acq: 19 Oct 2017 14:44

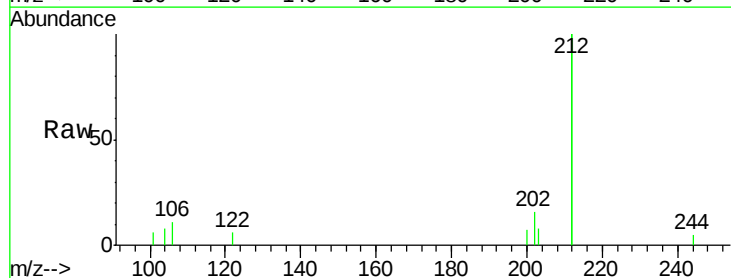
Tgt Ion:202 Resp: 177

Ion Ratio Lower Upper

202 100

101 0.0 9.8 14.8#

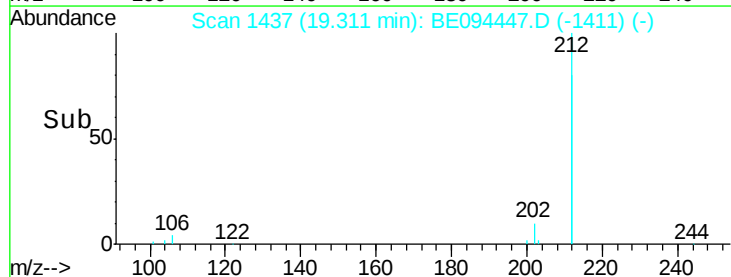
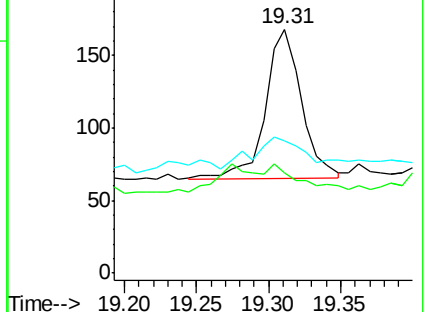
203 29.4 13.7 20.5#



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: BE094447.D

Acq: 19 Oct 2017 14:44

Instrument :

BNA_E

ClientSampleId :

KY038PS034-171011

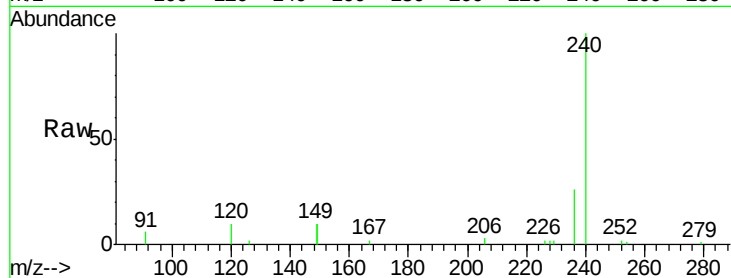
Tgt Ion:240 Resp: 11100

Ion Ratio Lower Upper

240 100

120 9.7 5.5 8.3#

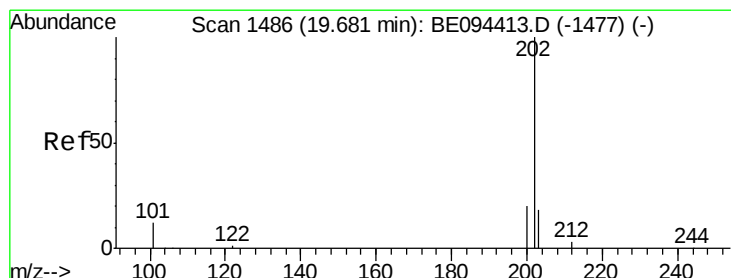
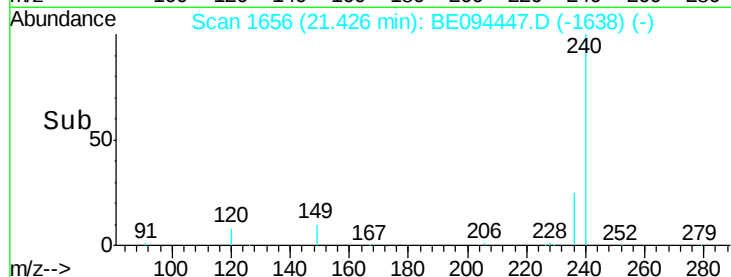
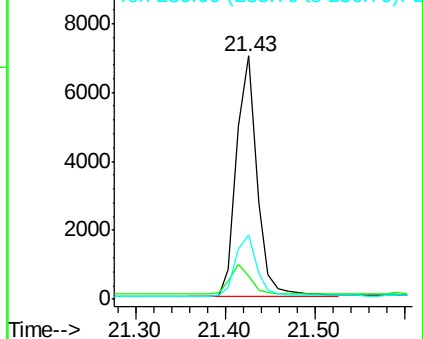
236 26.3 20.7 31.1



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: 0.004 ng

RT: 19.67 min Scan# 1486

Delta R.T. -0.01 min

Lab File: BE094447.D

Acq: 19 Oct 2017 14:44

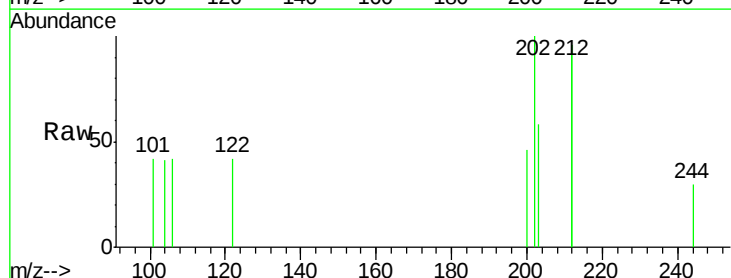
Tgt Ion:202 Resp: 185

Ion Ratio Lower Upper

202 100

200 27.6 16.6 25.0#

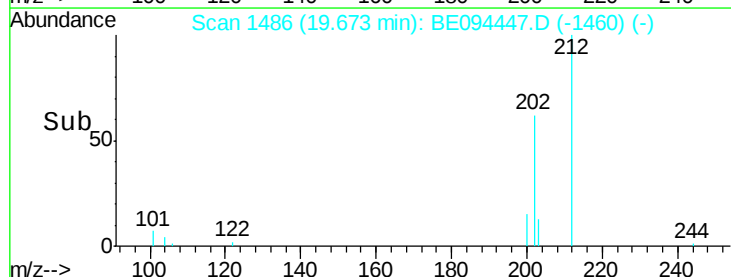
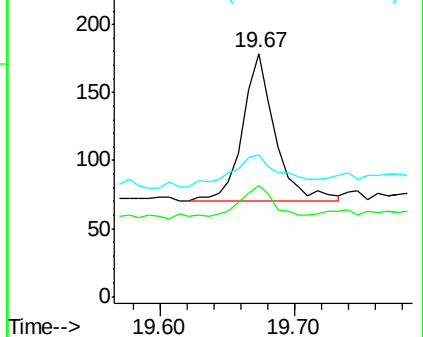
203 30.3 13.8 20.8#

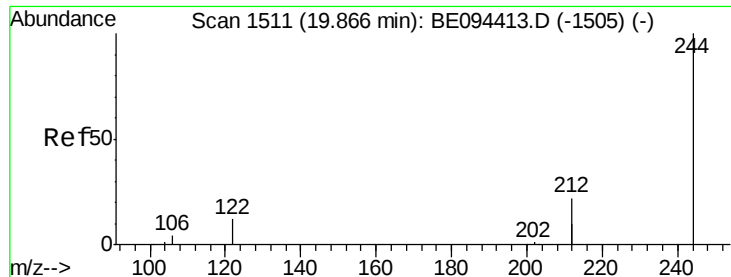


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.471 ng

RT: 19.86 min Scan# 1511

Delta R.T. -0.01 min

Lab File: BE094447.D

Acq: 19 Oct 2017 14:44

Instrument :

BNA_E

ClientSampleId :

KY038PS034-171011

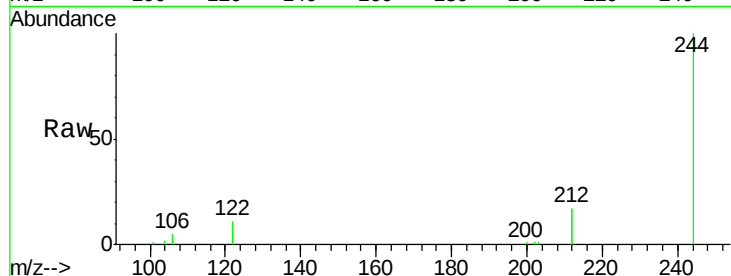
Tgt Ion:244 Resp: 10559

Ion Ratio Lower Upper

244 100

212 34.4 25.4 38.0

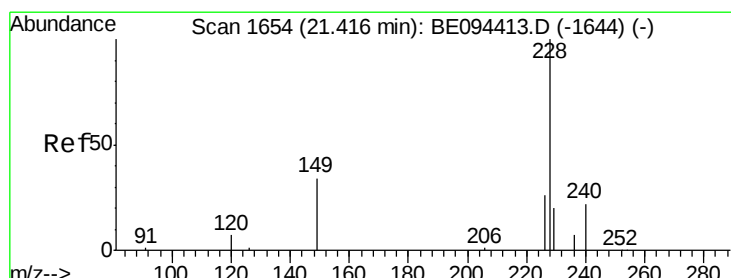
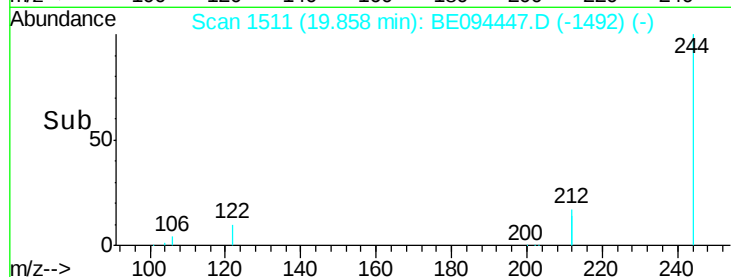
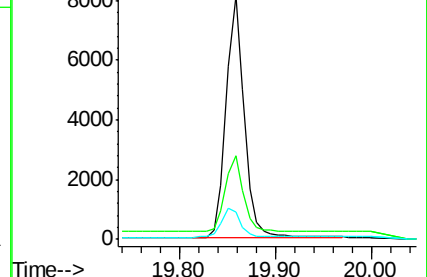
122 11.3 8.1 12.1



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#30

Benzo(a)anthracene

Concen: 0.006 ng

RT: 21.40 min Scan# 1654

Delta R.T. -0.01 min

Lab File: BE094447.D

Acq: 19 Oct 2017 14:44

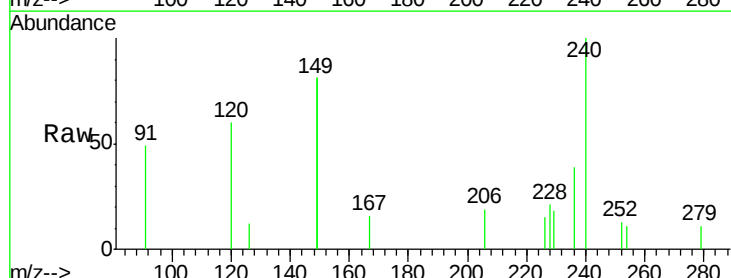
Tgt Ion:228 Resp: 223

Ion Ratio Lower Upper

228 100

226 68.6 40.0 60.0#

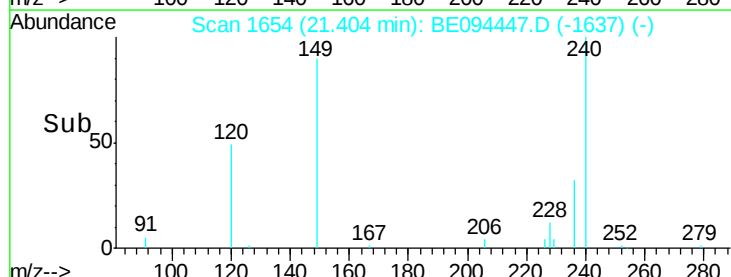
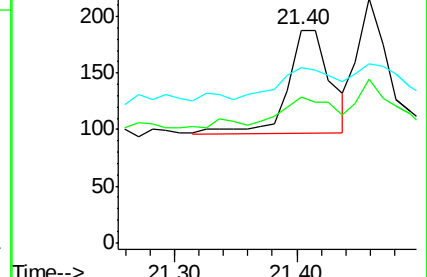
229 82.4 40.0 60.0#

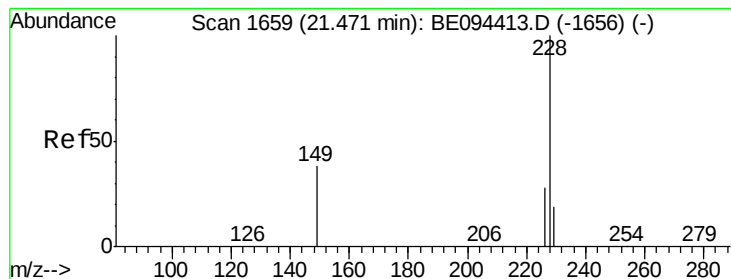


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.005 ng

RT: 21.46 min Scan# 1659

Delta R.T. -0.01 min

Lab File: BE094447.D

Acq: 19 Oct 2017 14:44

Instrument :

BNA_E

ClientSampleId :

KY038PS034-171011

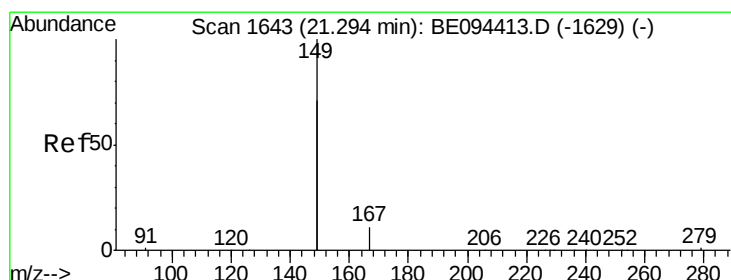
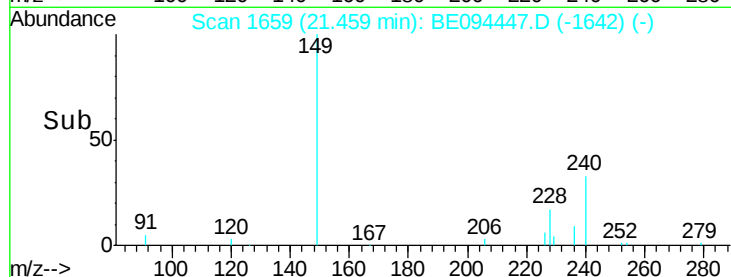
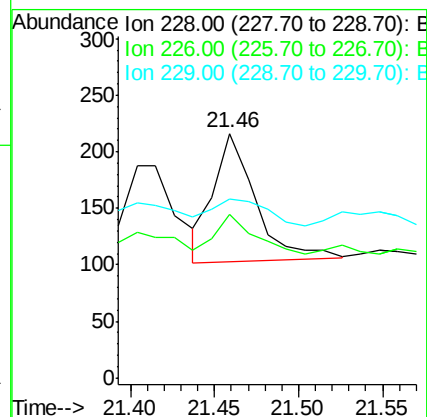
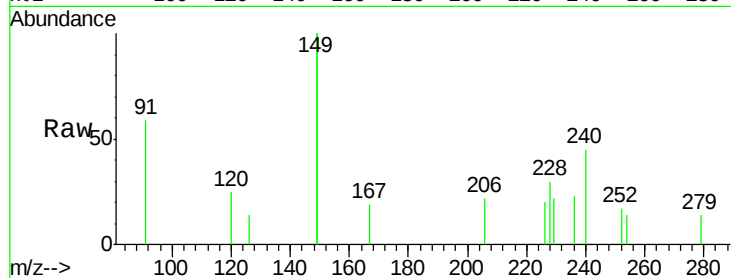
Tgt Ion: 228 Resp: 195

Ion Ratio Lower Upper

228 100

226 67.1 40.0 60.0#

229 73.1 40.0 60.0#



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.042 ng

RT: 21.29 min Scan# 1644

Delta R.T. -0.00 min

Lab File: BE094447.D

Acq: 19 Oct 2017 14:44

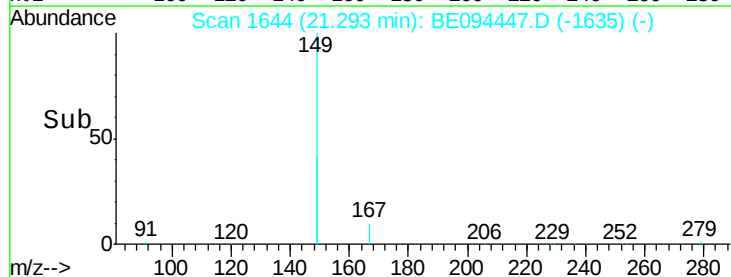
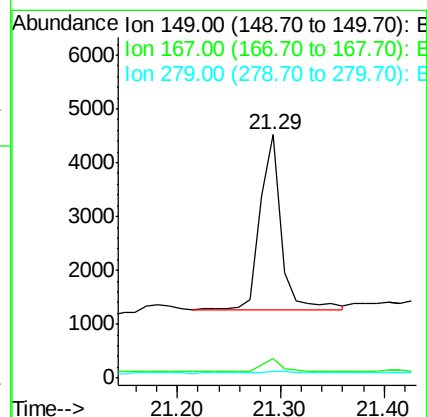
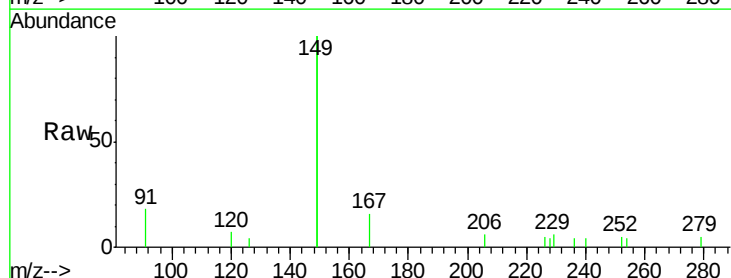
Tgt Ion: 149 Resp: 4656

Ion Ratio Lower Upper

149 100

167 6.2 5.4 8.0

279 2.1 0.7 1.1#





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.006 ng

RT: 26.65 min Scan# 2719

Delta R.T. -0.01 min

Lab File: BE094447.D

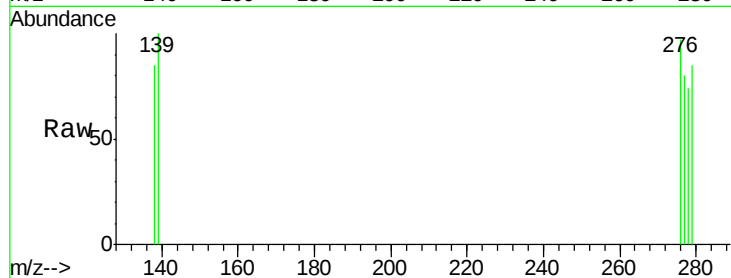
Acq: 19 Oct 2017 14:44

Instrument :

BNA_E

ClientSampleId :

KY038PS034-171011



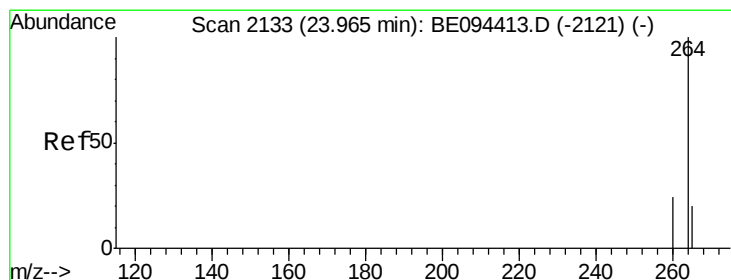
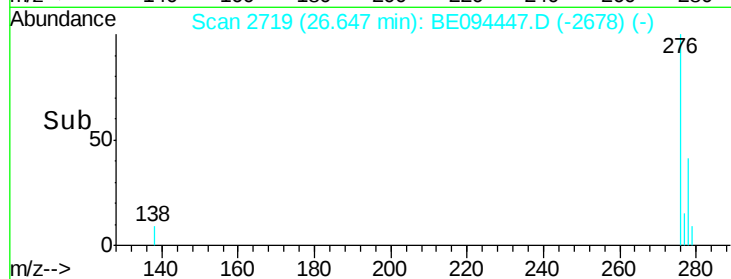
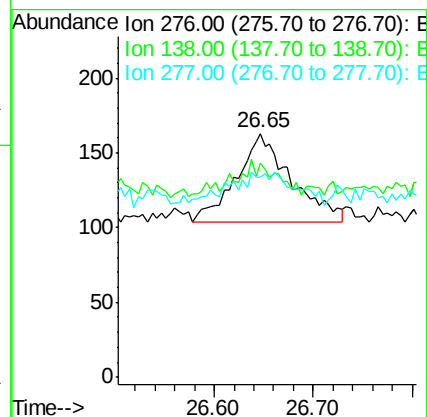
Tgt Ion:276 Resp: 226

Ion Ratio Lower Upper

276 100

138 20.4 22.5 33.7#

277 4.9 19.9 29.9#



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.95 min Scan# 2130

Delta R.T. -0.02 min

Lab File: BE094447.D

Acq: 19 Oct 2017 14:44

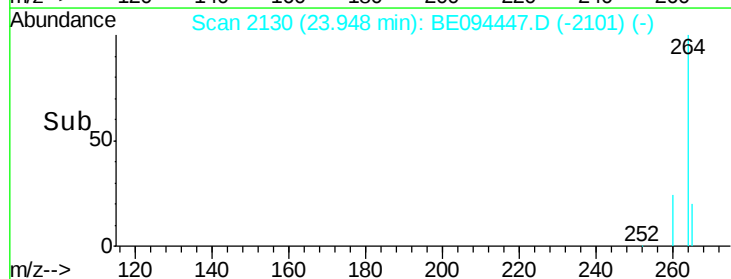
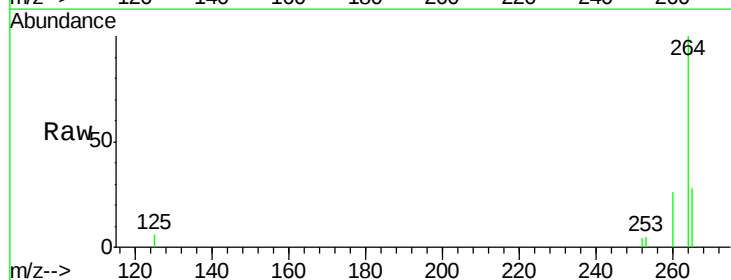
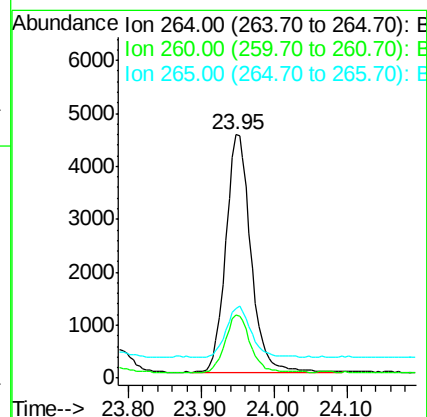
Tgt Ion:264 Resp: 10770

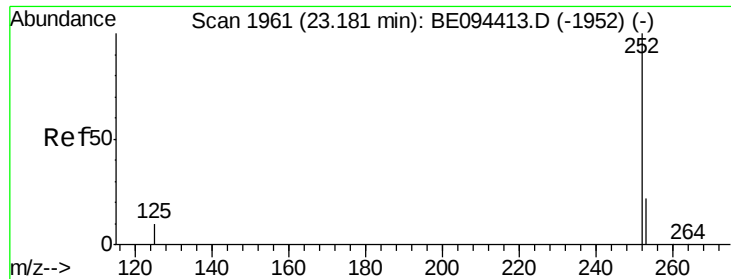
Ion Ratio Lower Upper

264 100

260 26.0 20.5 30.7

265 28.5 22.8 34.2





#35

Benzo(b)fluoranthene

Concen: 0.009 ng

RT: 23.18 min Scan# 1961

Delta R.T. -0.00 min

Lab File: BE094447.D

Acq: 19 Oct 2017 14:44

Instrument :

BNA_E

ClientSampleId :

KY038PS034-171011

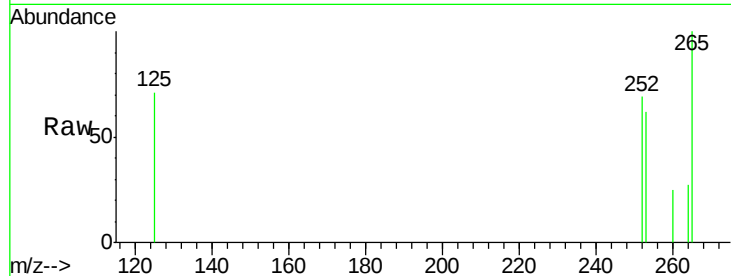
Tgt Ion:252 Resp: 318

Ion Ratio Lower Upper

252 100

253 89.5 48.0 72.0#

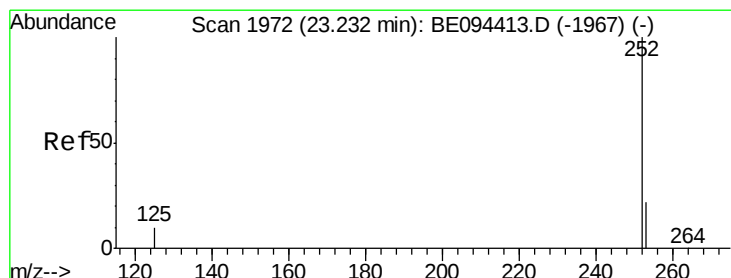
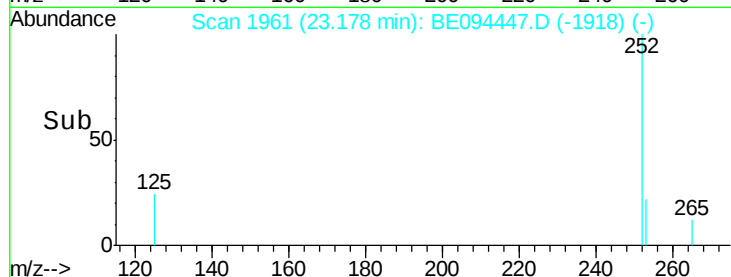
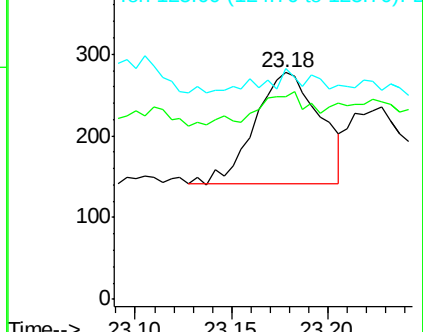
125 102.2 56.0 84.0#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#36

Benzo(k)fluoranthene

Concen: 0.005 ng

RT: 23.23 min Scan# 1972

Delta R.T. -0.00 min

Lab File: BE094447.D

Acq: 19 Oct 2017 14:44

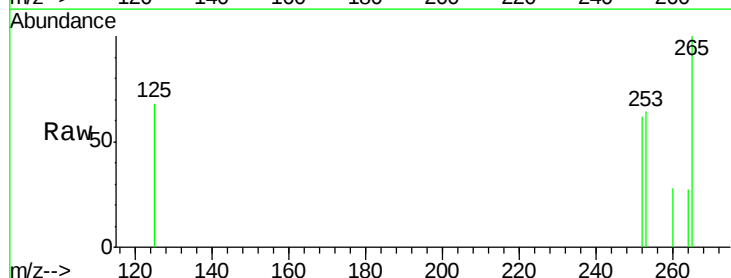
Tgt Ion:252 Resp: 176

Ion Ratio Lower Upper

252 100

253 102.6 48.0 72.0#

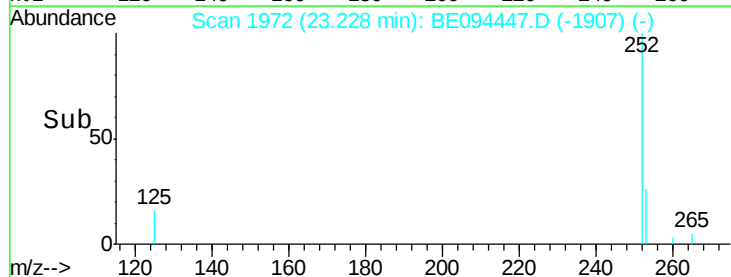
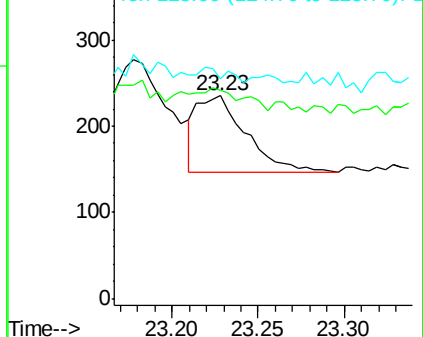
125 108.5 56.0 84.0#

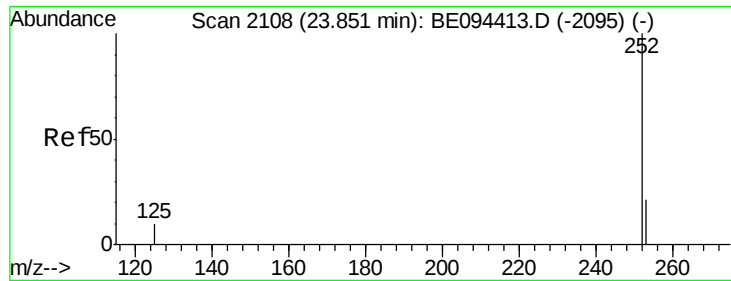


Abundance Ion 252.00 (251.70 to 252.70): E

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: 23.85 min Scan# 2108

Delta R.T. -0.00 min

Lab File: BE094447.D

Acq: 19 Oct 2017 14:44

Instrument :

BNA_E

ClientSampleId :

KY038PS034-171011

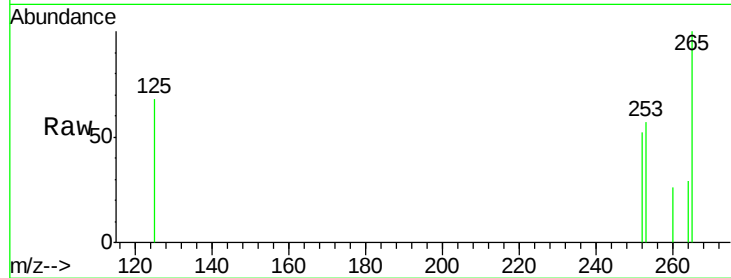
Tgt Ion: 252 Resp: 148

Ion Ratio Lower Upper

252 100

253 110.6 52.0 78.0#

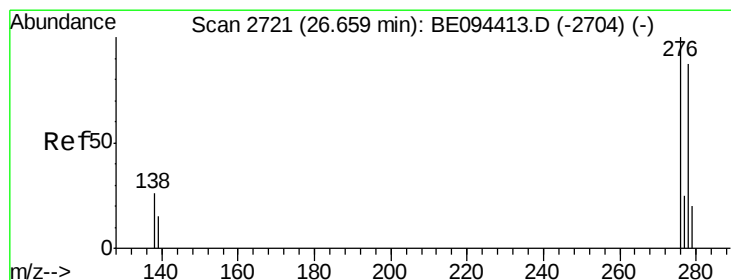
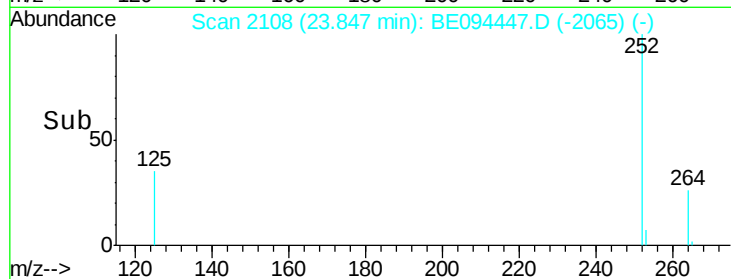
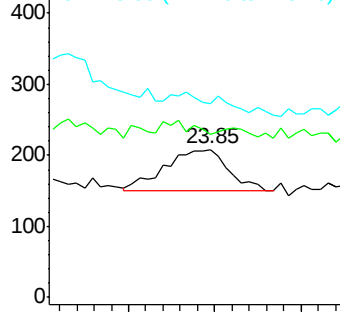
125 131.3 68.0 102.0#



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: 0.003 ng

RT: 26.64 min Scan# 2718

Delta R.T. -0.02 min

Lab File: BE094447.D

Acq: 19 Oct 2017 14:44

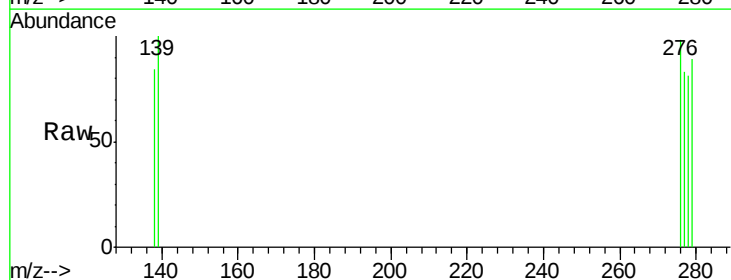
Tgt Ion: 278 Resp: 113

Ion Ratio Lower Upper

278 100

139 123.8 56.0 84.0#

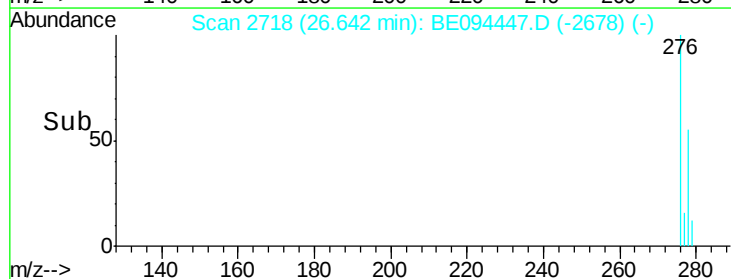
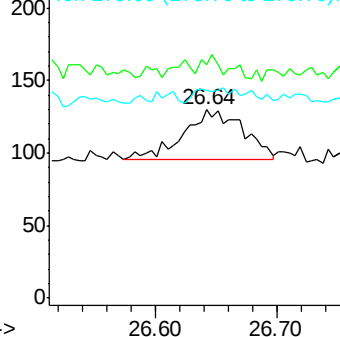
279 110.0 52.0 78.0#

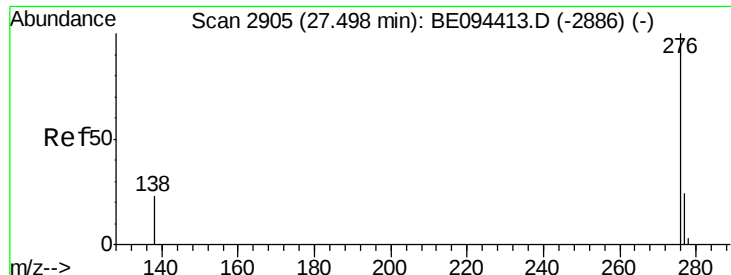


Abundance Ion 278.00 (277.70 to 278.70): E

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# 2901

Delta R.T. -0.02 min

Lab File: BE094447.D

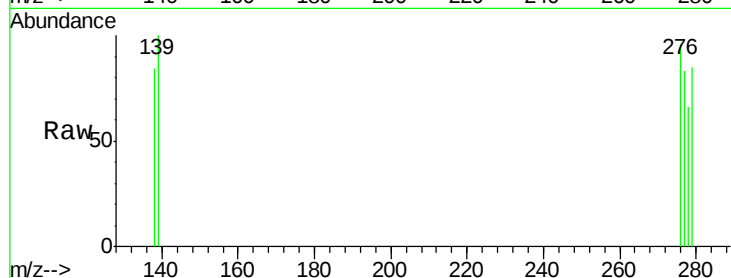
Acq: 19 Oct 2017 14:44

Instrument :

BNA_E

ClientSampleId :

KY038PS034-171011



Tgt Ion: 276 Resp: 148

Ion Ratio Lower Upper

276 100

277 87.3 52.0 78.0#

138 88.0 44.0 66.0#

