

Data Path : Z:\HPCHEM1\BNA_E\Data\BE112717\
 Data File : BE094871.D
 Acq On : 27 Nov 2017 14:22
 Operator : SJ/JU
 Sample : I6509-04
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 KY038PS033-171114

Quant Time: Nov 27 16:05:32 2017
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE102317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 23 22:40:47 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.94	152	477	0.40	ng	0.04
7) Naphthalene-d8	10.74	136	3272	0.40	ng	0.03
13) Acenaphthene-d10	14.51	164	2324	0.40	ng	0.00
19) Phenanthrene-d10	17.27	188	5445	0.40	ng	0.03
27) Chrysene-d12	21.44	240	6246	0.40	ng	0.01
34) Perylene-d12	23.98	264	5782	0.40	ng	0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.63	112	233	0.14	ng	0.10
5) Phenol-d6	7.24	99	338	0.14	ng	0.10
8) Nitrobenzene-d5	9.18	82	838	0.32	ng	0.10
11) 2-Methylnaphthalene-d10	12.31	152	2569	0.49	ng	0.02
14) 2,4,6-Tribromophenol	16.06	330	293	0.46	ng	0.03
15) 2-Fluorobiphenyl	13.15	172	4041	0.49	ng	0.00
25) Fluoranthene-d10	19.29	212	34274	0.54	ng	0.00
29) Terphenyl-d14	19.85	244	6507	0.55	ng	-0.01

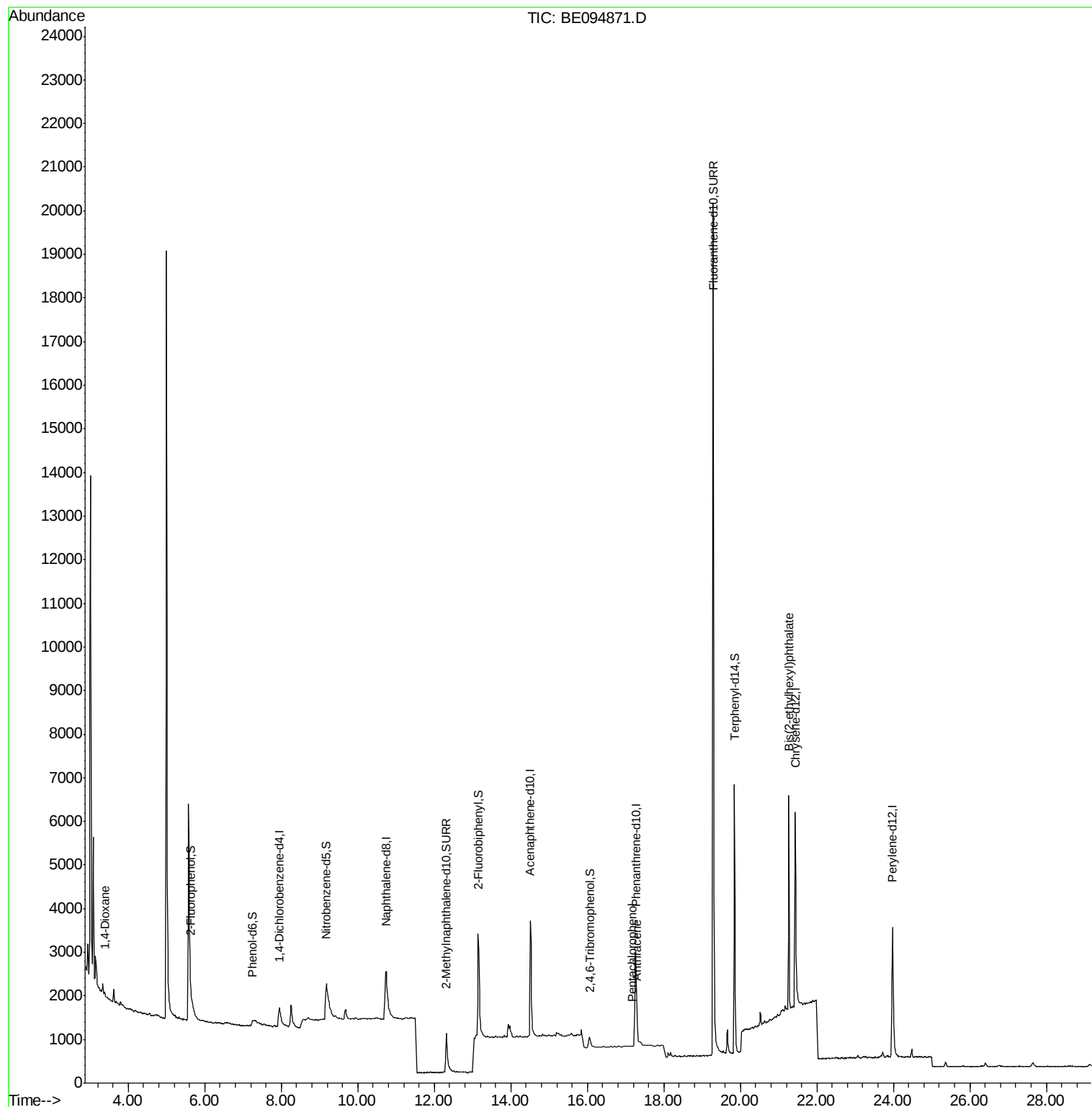
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.40	88	79	0.098	ng	# 65
22) Pentachlorophenol	17.17	266	12	0.036	ng	# 94
23) Phenanthrene	17.30	178	432	Below Cal		# 93
24) Anthracene	17.30	178	432	0.027	ng	# 97
26) Fluoranthene	19.32	202	99	Below Cal		# 79
32) Bis(2-ethylhexyl)phthalate	21.27	149	5261	0.106	ng	# 98

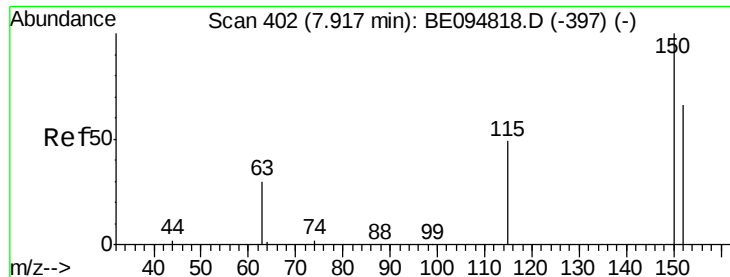
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.94 min Scan# 404

Delta R.T. 0.04 min

Lab File: BE094871.D

Acq: 27 Nov 2017 14:22

Instrument :

BNA_E

ClientSampleId :

KY038PS033-171114

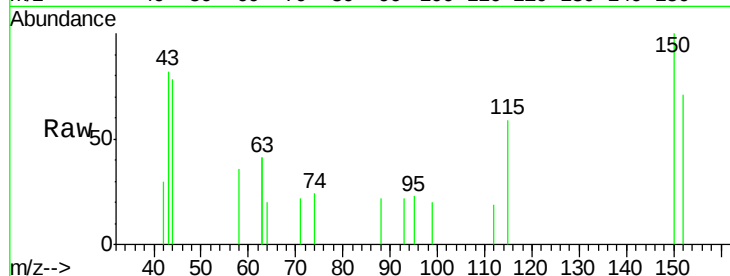
Tgt Ion: 152 Resp: 477

Ion Ratio Lower Upper

152 100

150 141.6 117.2 175.8

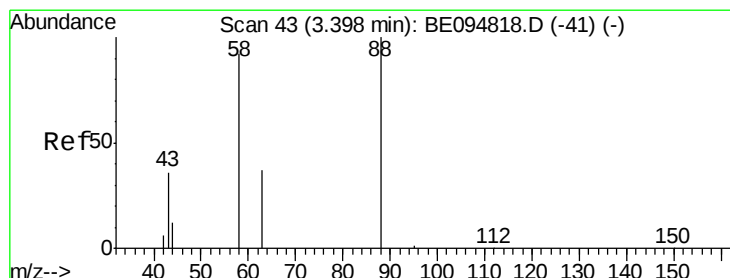
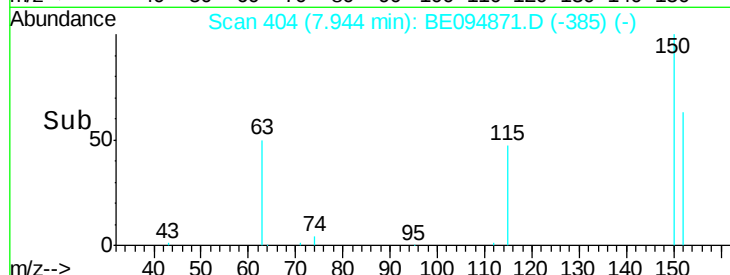
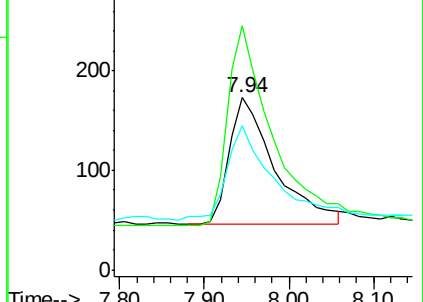
115 83.8 57.0 85.6



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 0.098 ng

RT: 3.40 min Scan# 43

Delta R.T. -0.02 min

Lab File: BE094871.D

Acq: 27 Nov 2017 14:22

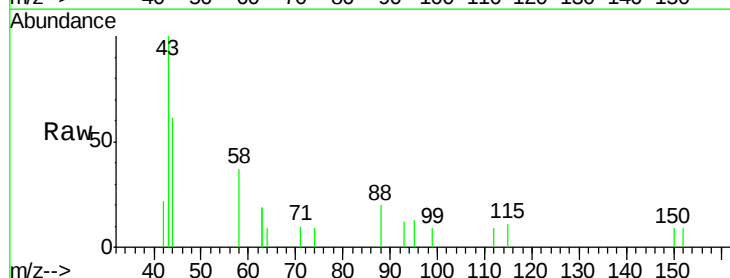
Tgt Ion: 88 Resp: 79

Ion Ratio Lower Upper

88 100

58 87.3 63.2 94.8

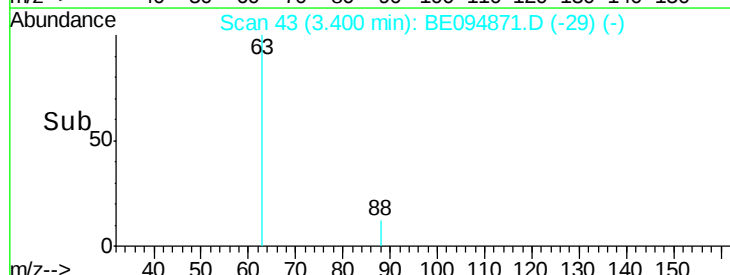
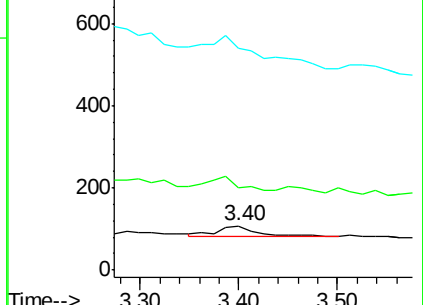
43 0.0 41.2 61.8#

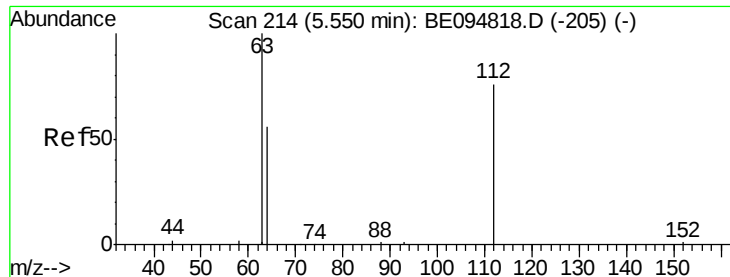


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#4

2-Fluorophenol

Concen: 0.143 ng

RT: 5.63 min Scan# 220

Delta R.T. 0.10 min

Lab File: BE094871.D

Acq: 27 Nov 2017 14:22

Instrument :

BNA_E

ClientSampleId :

KY038PS033-171114

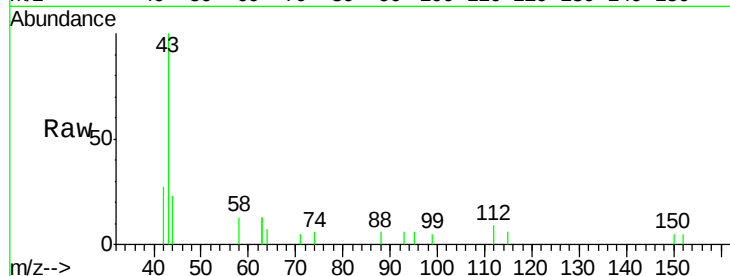
Tgt Ion: 112 Resp: 233

Ion Ratio Lower Upper

112 100

64 0.0 60.1 90.1#

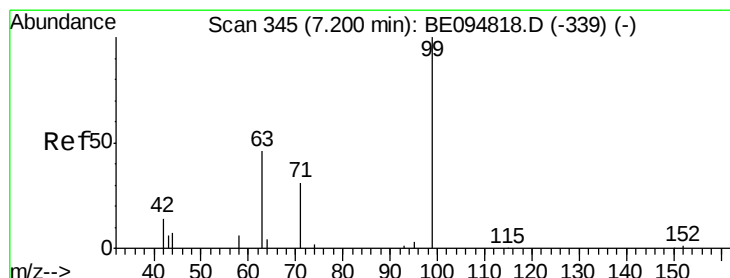
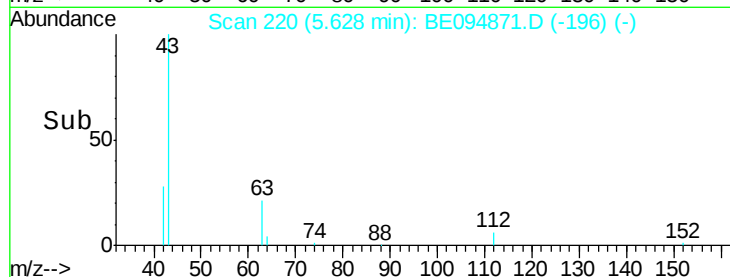
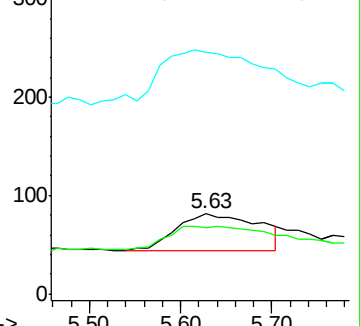
63 179.4 116.8 175.2#



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: 0.137 ng

RT: 7.24 min Scan# 348

Delta R.T. 0.10 min

Lab File: BE094871.D

Acq: 27 Nov 2017 14:22

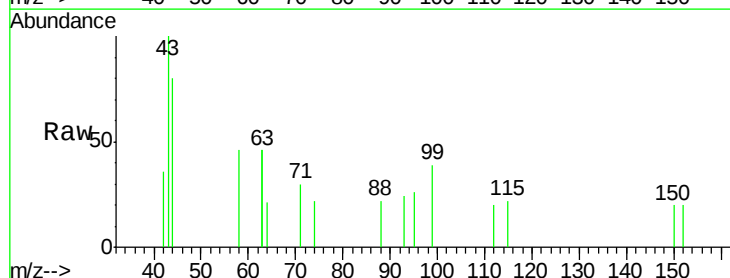
Tgt Ion: 99 Resp: 338

Ion Ratio Lower Upper

99 100

42 18.3 20.2 30.2#

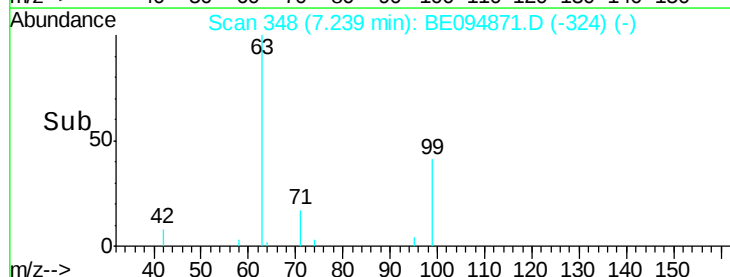
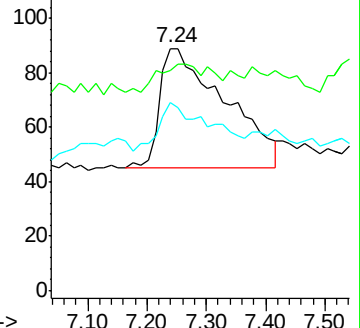
71 32.0 28.4 42.6#

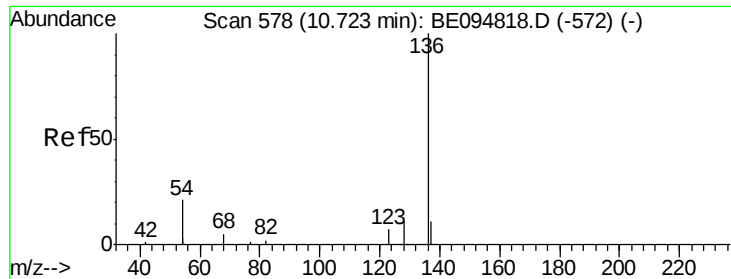


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.74 min Scan# 579

Delta R.T. 0.03 min

Lab File: BE094871.D

Acq: 27 Nov 2017 14:22

Instrument :

BNA_E

ClientSampleId :

KY038PS033-171114

Tgt Ion:136 Resp: 3272

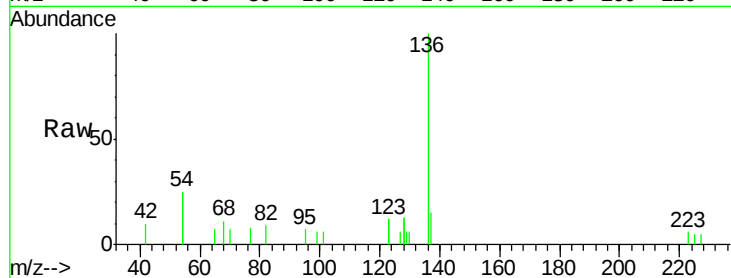
Ion Ratio Lower Upper

136 100

137 15.3 9.5 14.3#

54 49.1 29.1 43.7#

68 11.2 6.2 9.2#

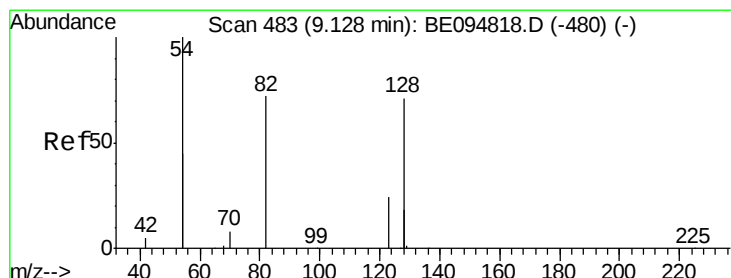
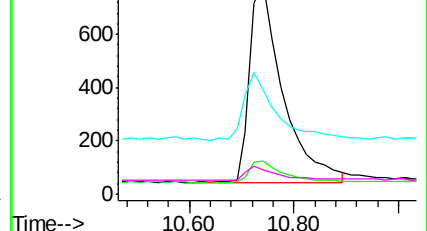
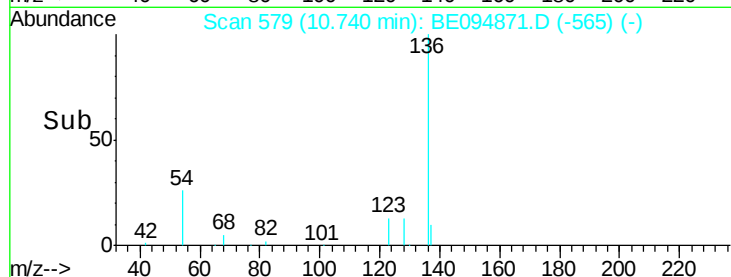


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.321 ng

RT: 9.18 min Scan# 486

Delta R.T. 0.10 min

Lab File: BE094871.D

Acq: 27 Nov 2017 14:22

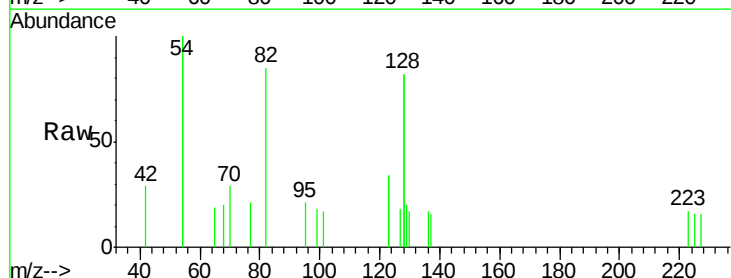
Tgt Ion: 82 Resp: 838

Ion Ratio Lower Upper

82 100

128 193.2 150.0 225.0

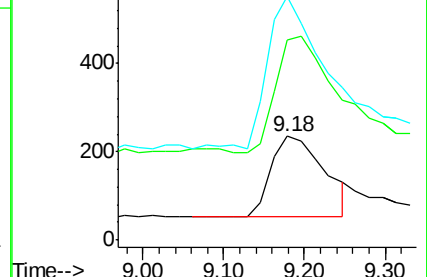
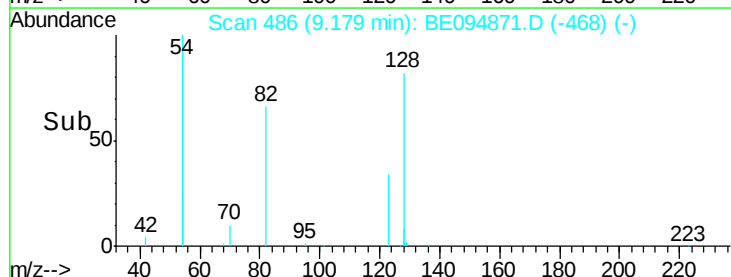
54 234.9 154.2 231.4#

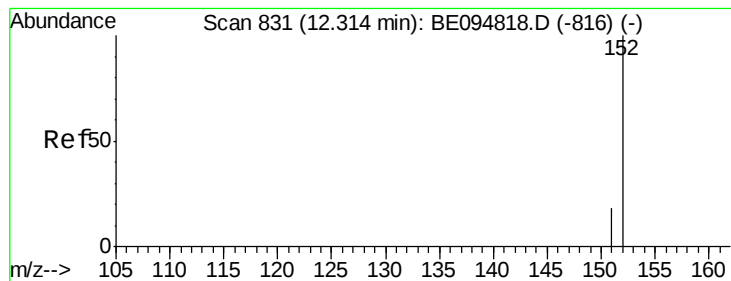


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#11

2-Methylnaphthalene-d10

Concen: 0.489 ng

RT: 12.31 min Scan# 830

Delta R.T. 0.02 min

Lab File: BE094871.D

Acq: 27 Nov 2017 14:22

Instrument :

BNA_E

ClientSampleId :

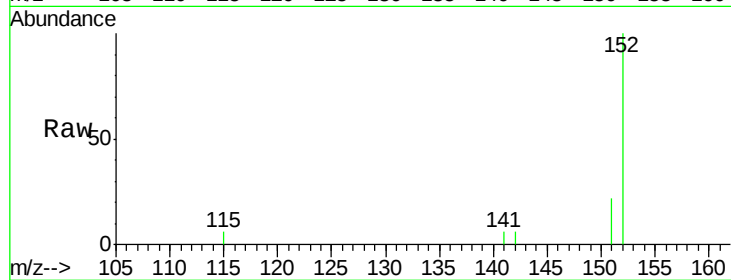
KY038PS033-171114

Tgt Ion:152 Resp: 2569

Ion Ratio Lower Upper

152 100

151 18.6 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.31

800

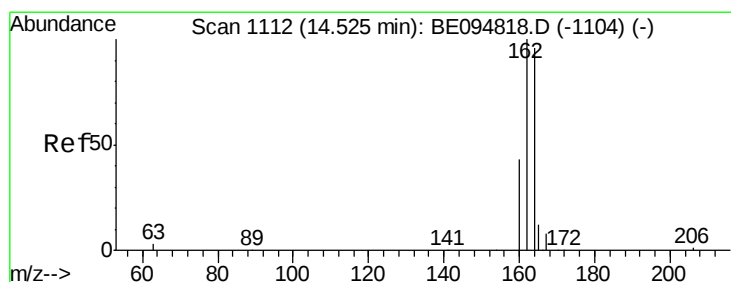
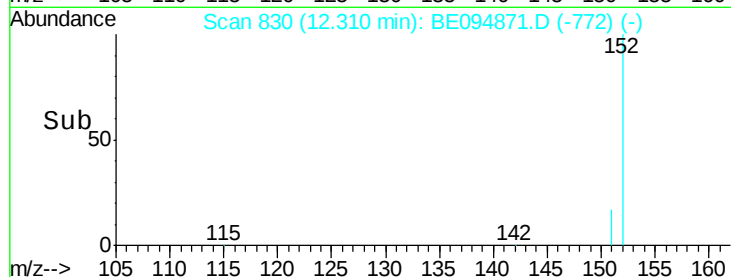
600

400

200

0

Time--> 12.20 12.40



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.51 min Scan# 1111

Delta R.T. 0.00 min

Lab File: BE094871.D

Acq: 27 Nov 2017 14:22

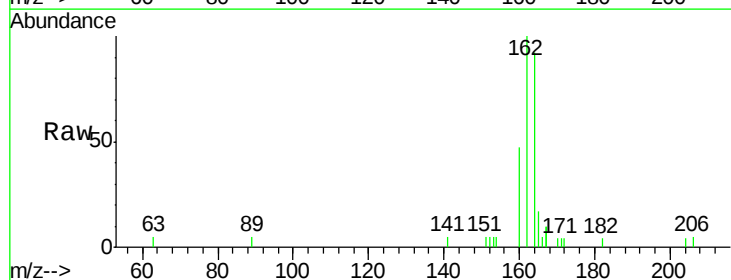
Tgt Ion:164 Resp: 2324

Ion Ratio Lower Upper

164 100

162 108.6 83.1 124.7

160 50.6 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

14.51

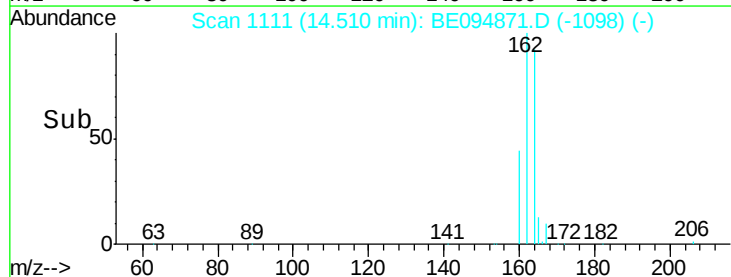
1500

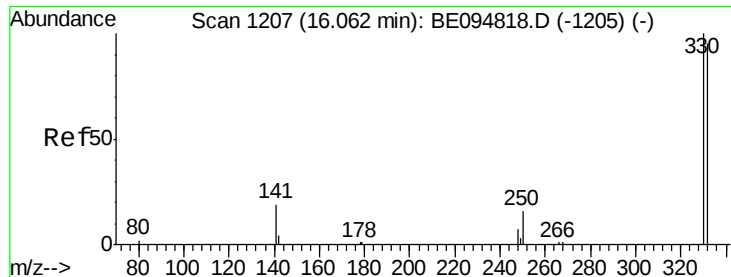
1000

500

0

Time--> 14.40 14.60

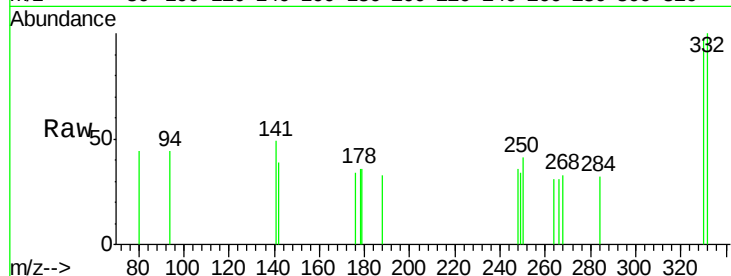




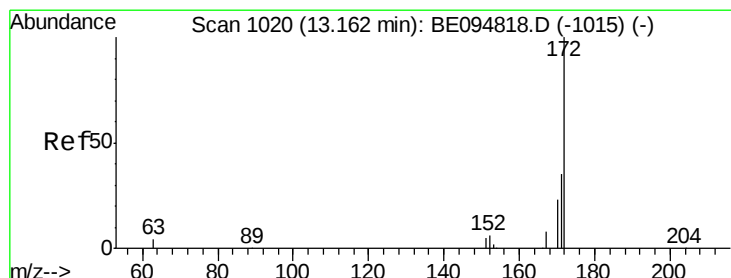
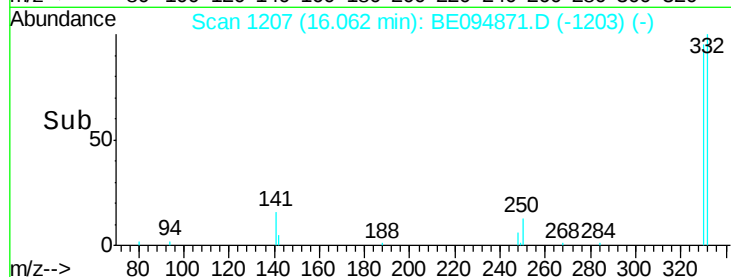
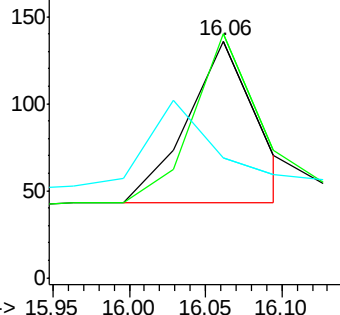
#14
 2,4,6-Tribromophenol
 Concen: 0.457 ng
 RT: 16.06 min Scan# 1207
 Delta R.T. 0.03 min
 Lab File: BE094871.D
 Acq: 27 Nov 2017 14:22

Instrument :
 BNA_E
 ClientSampleId :
 KY038PS033-171114

Tgt Ion: 330 Resp: 293
 Ion Ratio Lower Upper
 330 100
 332 97.6 152.7 229.1#
 141 0.0 33.7 50.5#

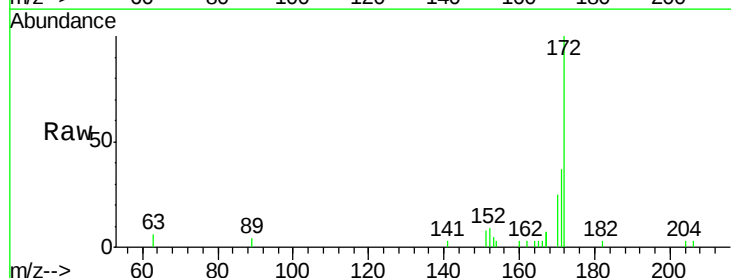


Abundance Ion 330.00 (329.70 to 330.70): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

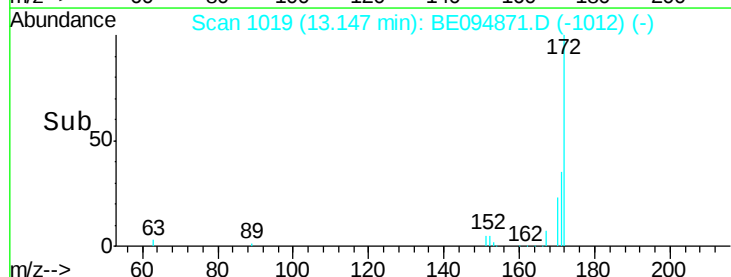
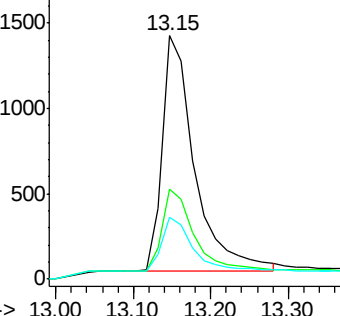


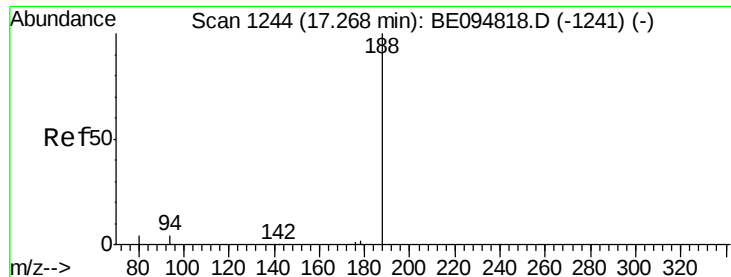
#15
 2-Fluorobiphenyl
 Concen: 0.493 ng
 RT: 13.15 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: BE094871.D
 Acq: 27 Nov 2017 14:22

Tgt Ion: 172 Resp: 4041
 Ion Ratio Lower Upper
 172 100
 171 36.7 29.9 44.9
 170 25.2 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





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.27 min Scan# 1244

Delta R.T. 0.03 min

Lab File: BE094871.D

Acq: 27 Nov 2017 14:22

Instrument :

BNA_E

ClientSampleId :

KY038PS033-171114

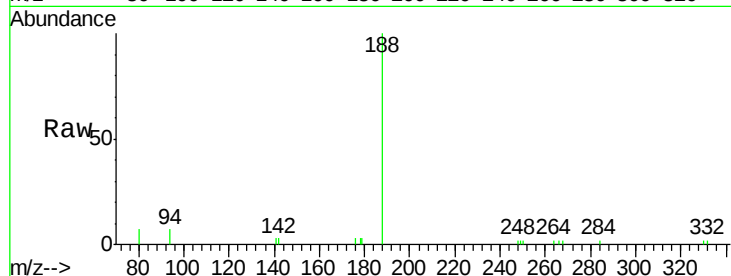
Tgt Ion:188 Resp: 5445

Ion Ratio Lower Upper

188 100

94 7.1 3.9 5.9#

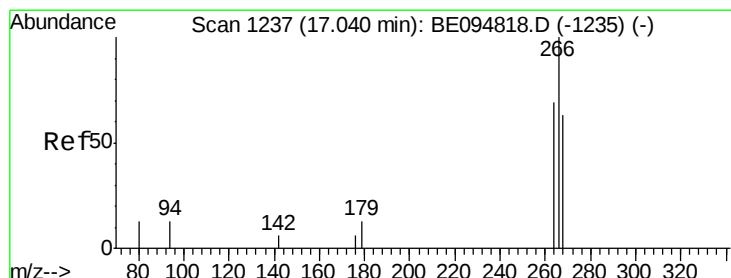
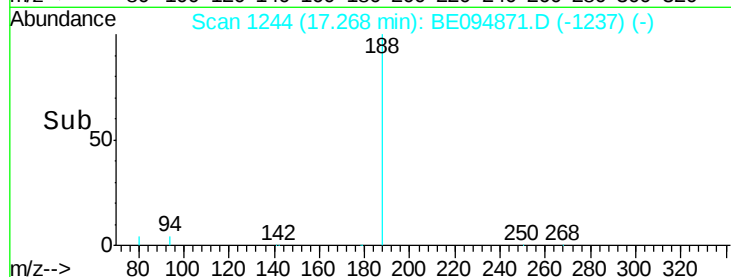
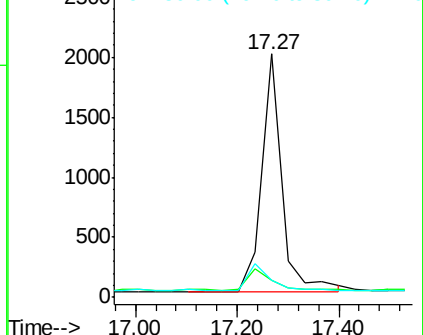
80 7.2 3.6 5.4#



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



#22

Pentachlorophenol

Concen: 0.036 ng

RT: 17.17 min Scan# 1241

Delta R.T. 0.16 min

Lab File: BE094871.D

Acq: 27 Nov 2017 14:22

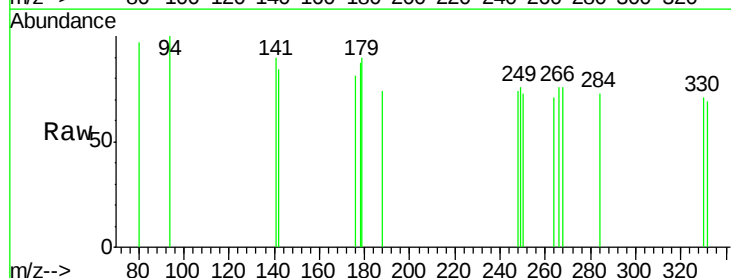
Tgt Ion:266 Resp: 12

Ion Ratio Lower Upper

266 100

264 93.6 72.5 108.7

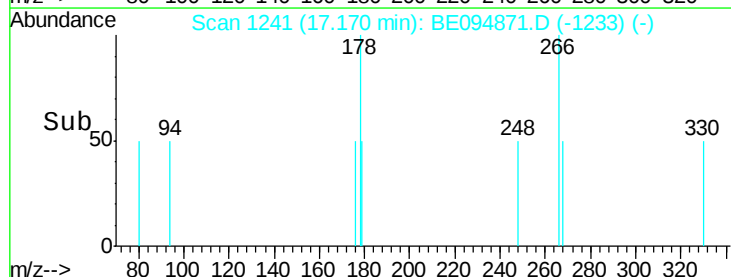
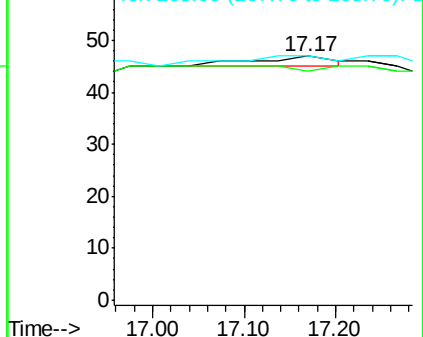
268 100.0 73.8 110.6

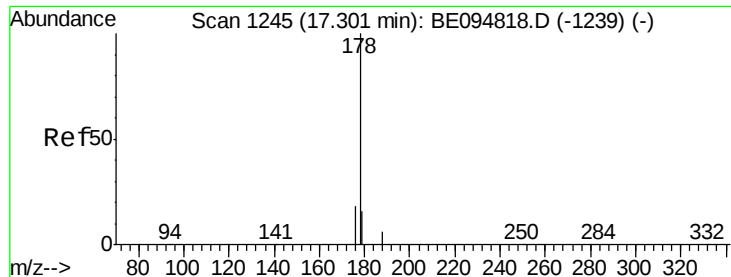


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: Below Cal

RT: 17.30 min Scan# 1245

Delta R.T. 0.00 min

Lab File: BE094871.D

Acq: 27 Nov 2017 14:22

Instrument :

BNA_E

ClientSampleId :

KY038PS033-171114

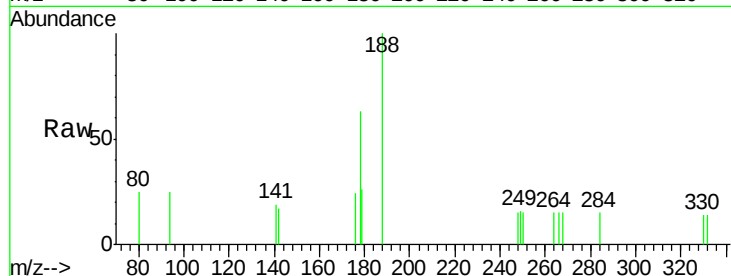
Tgt Ion:178 Resp: 432

Ion Ratio Lower Upper

178 100

176 14.1 15.1 22.7#

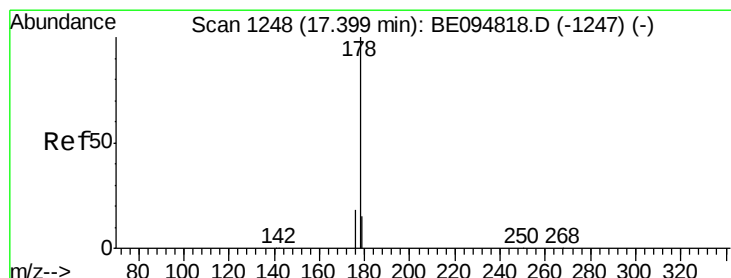
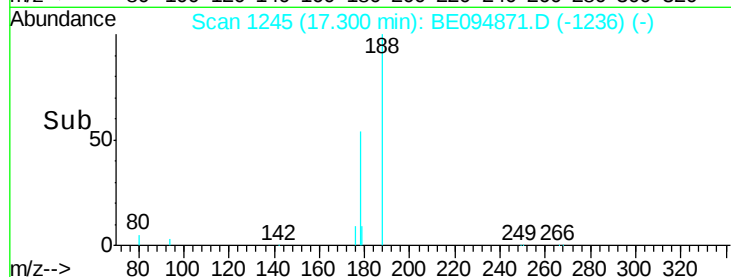
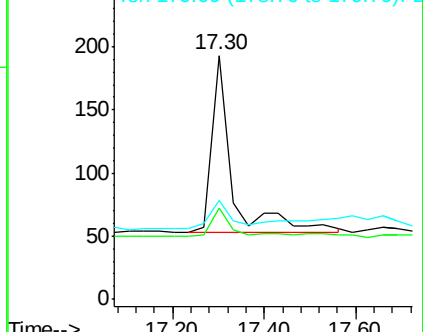
179 15.7 11.8 17.6



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: 17.30 min Scan# 1245

Delta R.T. -0.10 min

Lab File: BE094871.D

Acq: 27 Nov 2017 14:22

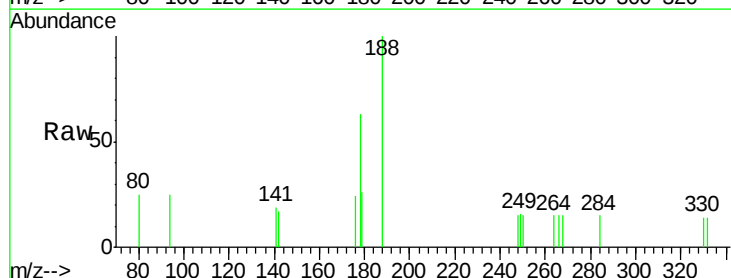
Tgt Ion:178 Resp: 432

Ion Ratio Lower Upper

178 100

176 14.1 12.8 19.2

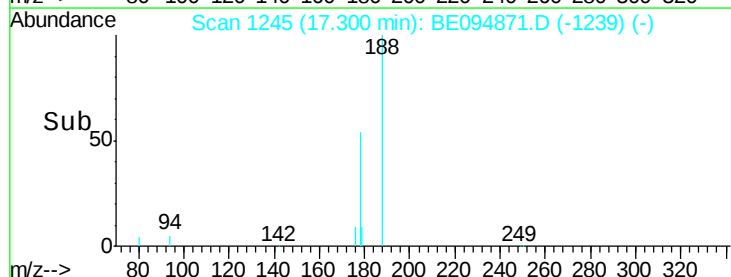
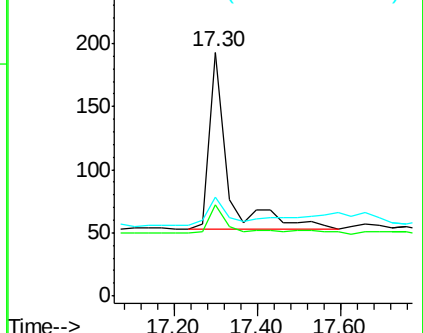
179 15.7 13.0 19.6

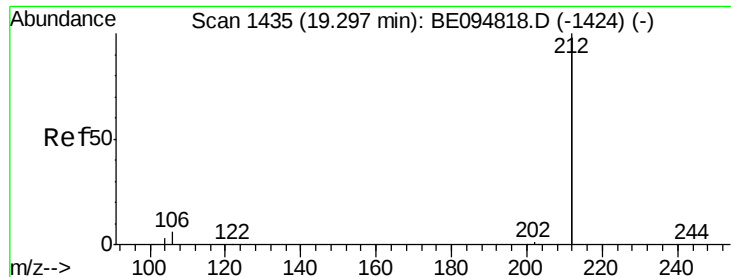


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.540 ng

RT: 19.29 min Scan# 1434

Delta R.T. 0.01 min

Lab File: BE094871.D

Acq: 27 Nov 2017 14:22

Instrument :

BNA_E

ClientSampleId :

KY038PS033-171114

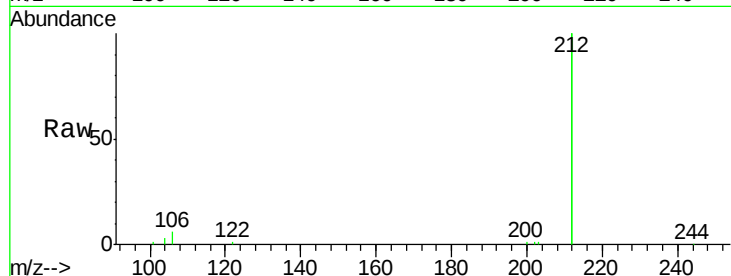
Tgt Ion:212 Resp: 34274

Ion Ratio Lower Upper

212 100

106 2.9 2.8 4.2

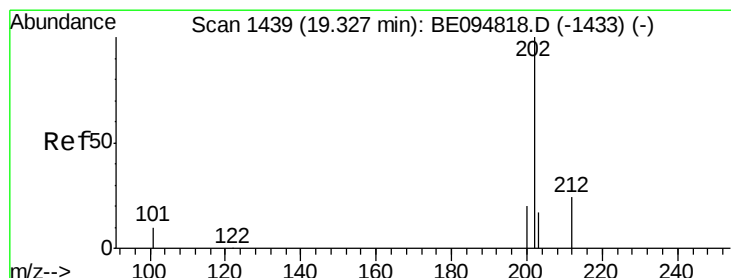
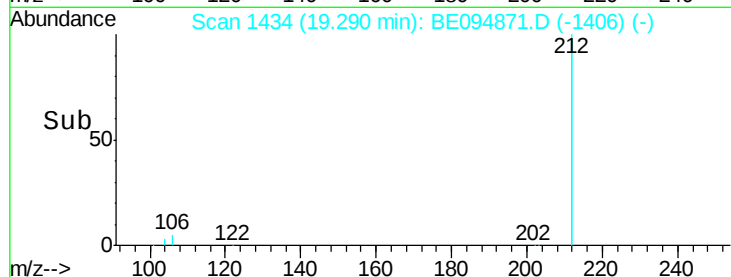
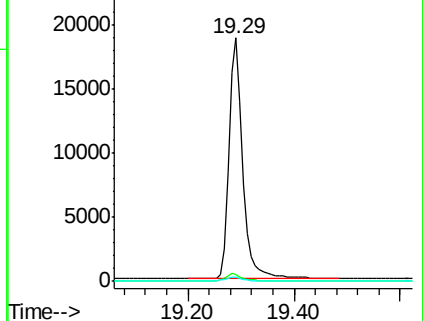
104 1.7 1.6 2.4



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: Below Cal

RT: 19.32 min Scan# 1438

Delta R.T. 0.01 min

Lab File: BE094871.D

Acq: 27 Nov 2017 14:22

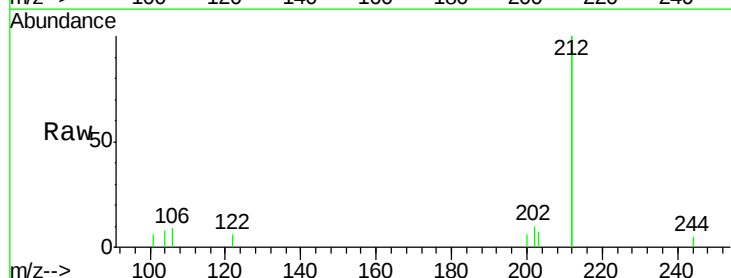
Tgt Ion:202 Resp: 99

Ion Ratio Lower Upper

202 100

101 15.2 9.8 14.8#

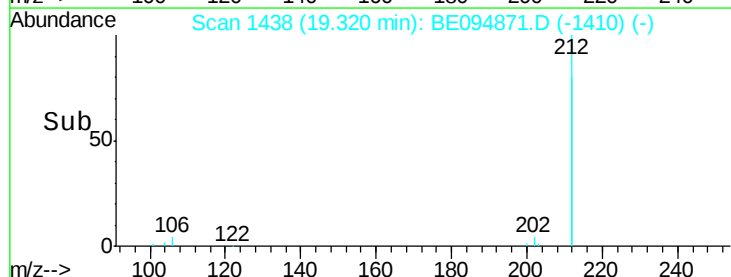
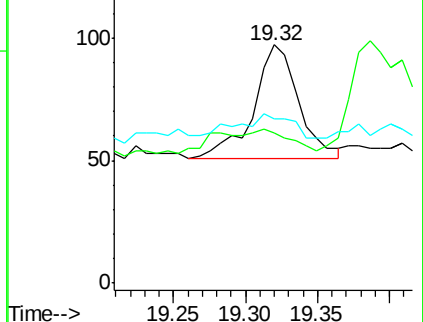
203 30.3 13.7 20.5#

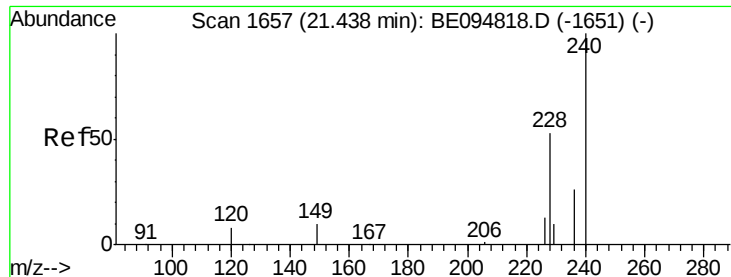


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.44 min Scan# 1657

Delta R.T. 0.01 min

Lab File: BE094871.D

Acq: 27 Nov 2017 14:22

Instrument :

BNA_E

ClientSampleId :

KY038PS033-171114

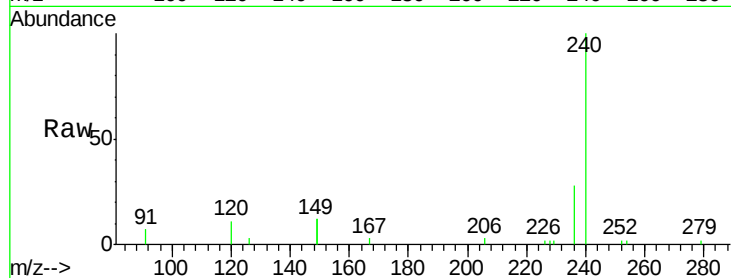
Tgt Ion:240 Resp: 6246

Ion Ratio Lower Upper

240 100

120 11.0 5.5 8.3#

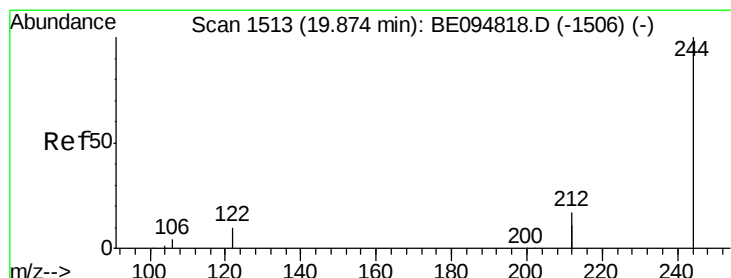
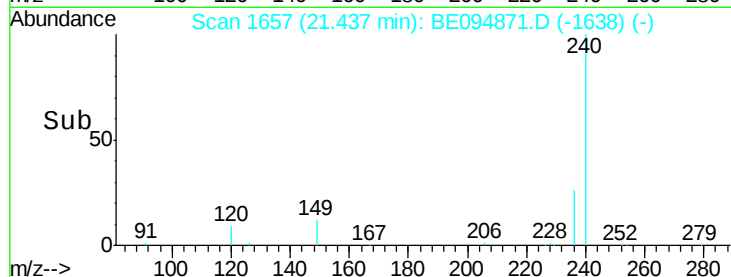
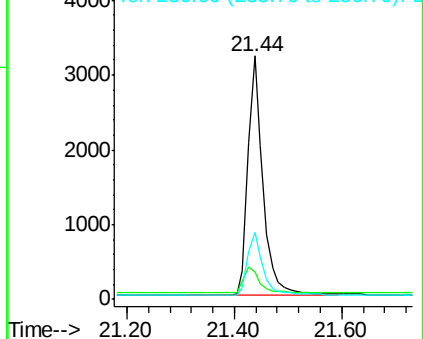
236 27.6 20.7 31.1



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



#29

Terphenyl-d14

Concen: 0.553 ng

RT: 19.85 min Scan# 1510

Delta R.T. -0.01 min

Lab File: BE094871.D

Acq: 27 Nov 2017 14:22

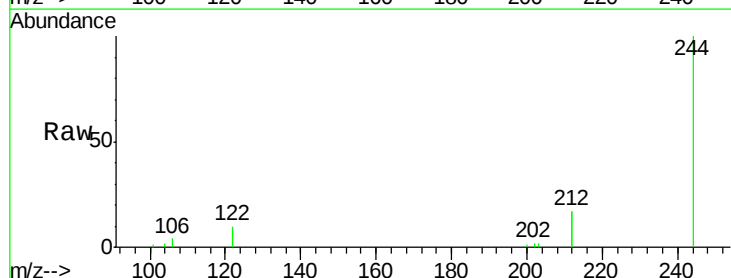
Tgt Ion:244 Resp: 6507

Ion Ratio Lower Upper

244 100

212 34.5 25.4 38.0

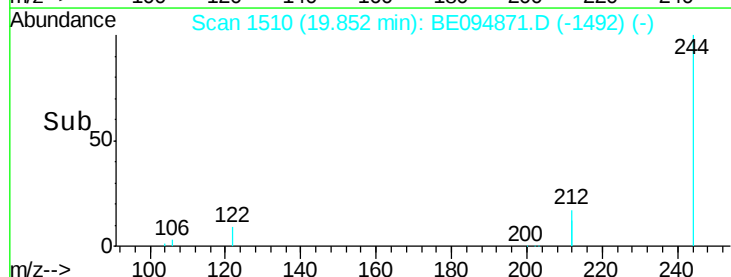
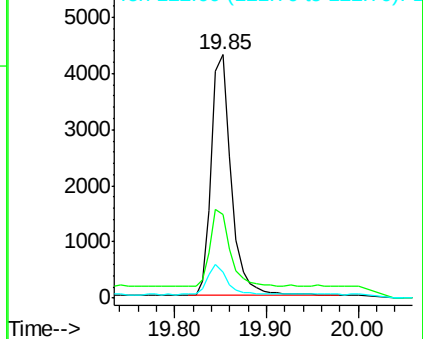
122 10.5 8.1 12.1

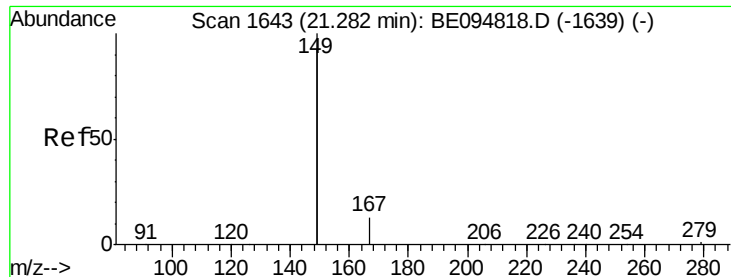


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

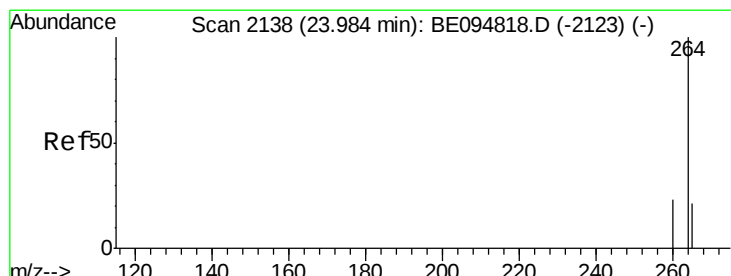
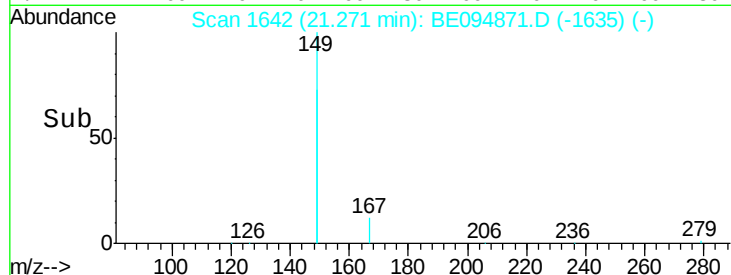
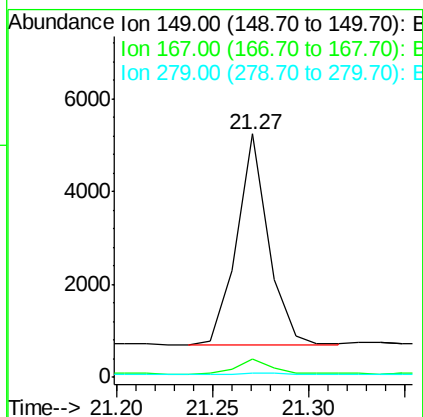
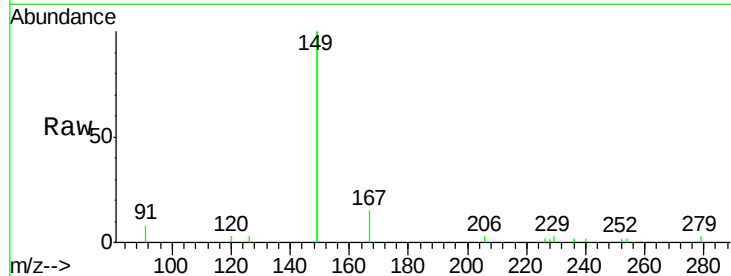




#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.106 ng
 RT: 21.27 min Scan# 1642
 Delta R.T. -0.02 min
 Lab File: BE094871.D
 Acq: 27 Nov 2017 14:22

Instrument :
 BNA_E
 ClientSampleId :
 KY038PS033-171114

Tgt Ion:149 Resp: 5261
 Ion Ratio Lower Upper
 149 100
 167 7.3 5.4 8.0
 279 1.1 0.7 1.1#



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.98 min Scan# 2137
 Delta R.T. 0.03 min
 Lab File: BE094871.D
 Acq: 27 Nov 2017 14:22

Tgt Ion:264 Resp: 5782
 Ion Ratio Lower Upper
 264 100
 260 25.6 20.5 30.7
 265 28.8 22.8 34.2

