

Data File : BE093330.D
Acq On : 22 Jun 2017 16:10
Operator : SJ/JU
Sample : I3687-04
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
KY038PS033-170613

Quant Time: Jun 23 07:12:20 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE061217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 12 14:07:54 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.73	152	195	0.40	ng	-0.02
7) Naphthalene-d8	10.51	136	950	0.40	ng	-0.02
13) Acenaphthene-d10	14.37	164	573	0.40	ng	0.00
19) Phenanthrene-d10	17.10	188	1208	0.40	ng	-0.03
27) Chrysene-d12	21.25	240	1499	0.40	ng	-0.02
34) Perylene-d12	23.65	264	1240	0.40	ng	-0.01

System Monitoring Compounds						
4) 2-Fluorophenol	5.34	112	92	0.16	ng	0.00
5) Phenol-d6	6.90	99	532	0.63	ng	0.00
8) Nitrobenzene-d5	8.86	82	278	0.37	ng	-0.02
11) 2-Methylnaphthalene-d10	12.10	152	498	0.35	ng	-0.01
14) 2,4,6-Tribromophenol	15.85	330	71	0.54	ng	0.00
15) 2-Fluorobiphenyl	12.99	172	840	0.34	ng	0.00
25) Fluoranthene-d10	19.11	212	2097	0.53	ng	0.00
29) Terphenyl-d14	19.72	244	1078	0.37	ng	0.00

Target Compounds						Qvalue
9) Naphthalene	10.56	128	84	0.03	ng	# 1
12) 2-Methylnaphthalene	12.18	142	40	0.03	ng	# 75
30) Benzo(a)anthracene	21.28	228	84	0.02	ng	# 3
31) Chrysene	21.28	228	88	0.02	ng	# 6
32) Bis(2-ethylhexyl)phthalate	21.16	149	194	0.09	ng	# 96
35) Benzo(b)fluoranthene	22.93	252	101	0.03	ng	# 1
36) Benzo(k)fluoranthene	22.93	252	105	0.03	ng	# 1

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

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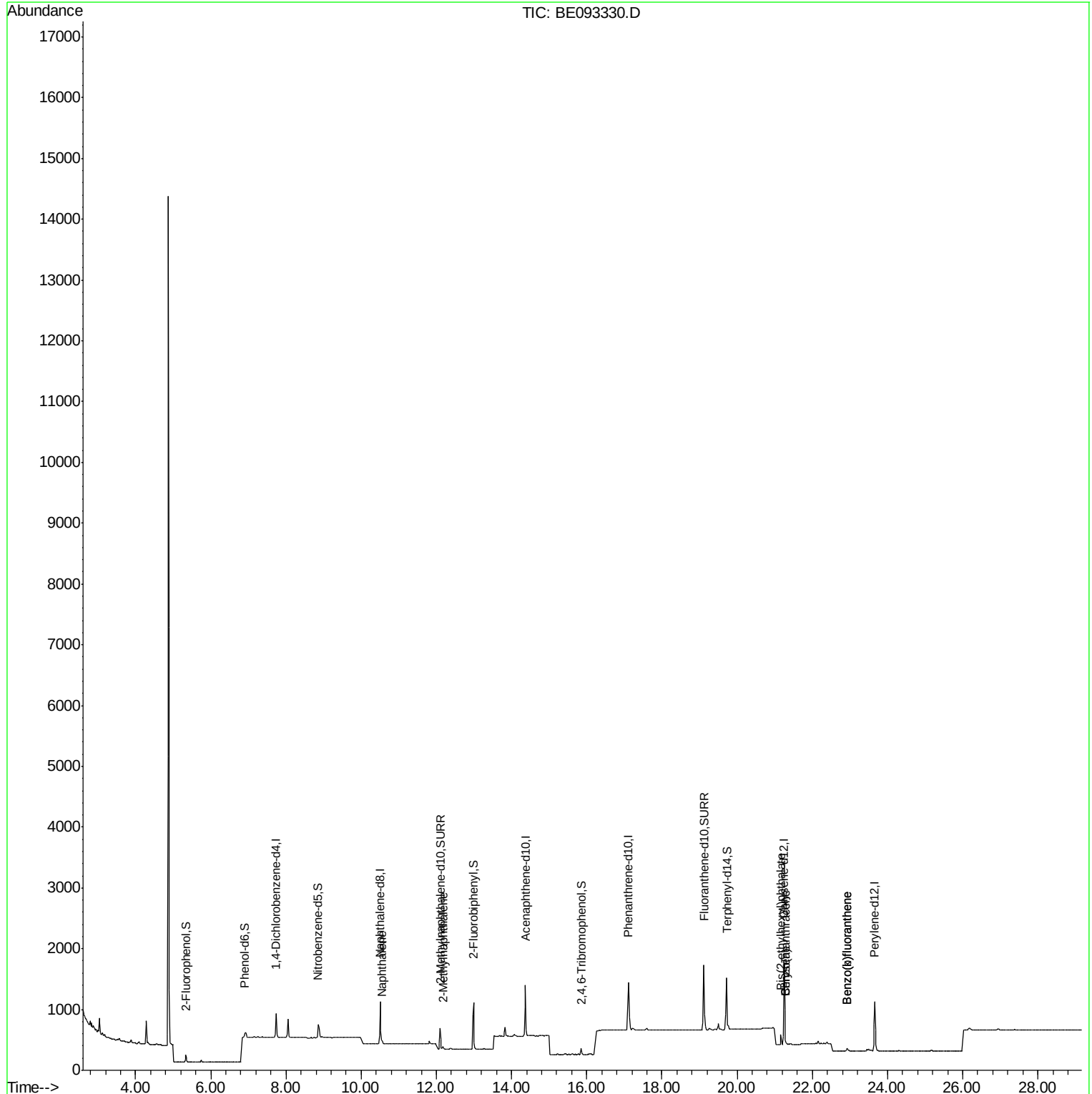
Quant Time: Jun 23 07:12:20 2017

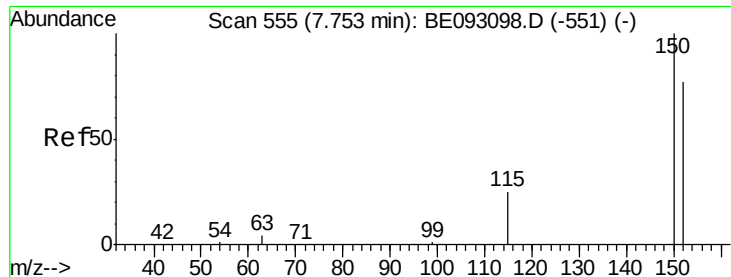
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE061217.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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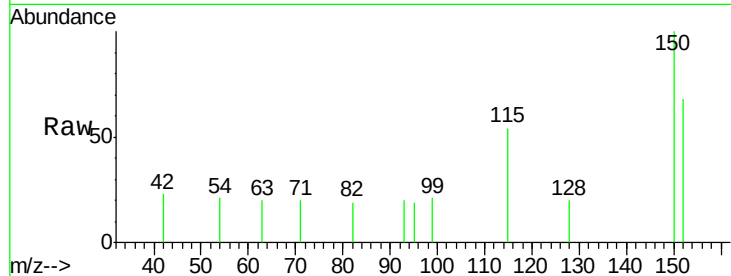


#1

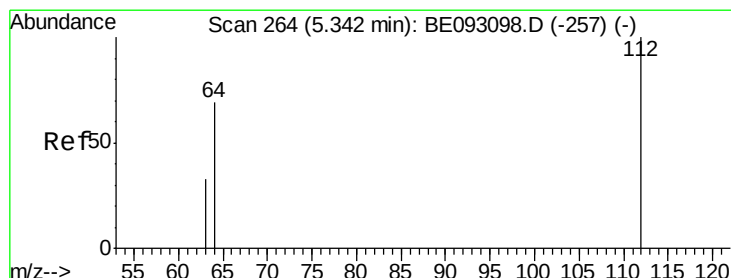
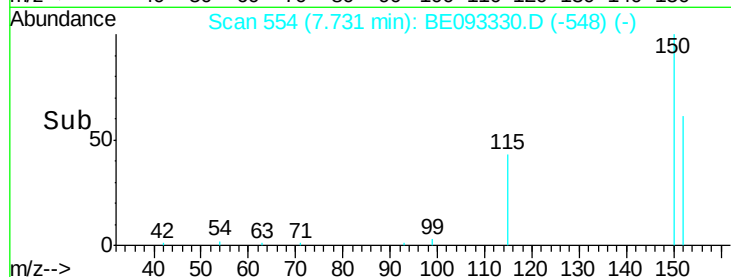
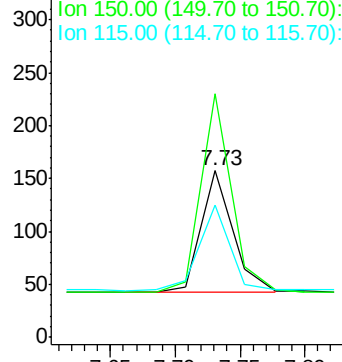
1,4-Dichlorobenzene-d4
Concen: 0.40 ng
RT: 7.73 min Scan# 554
Delta R.T. -0.02 min
Lab File: BE093330.D
Acq: 22 Jun 2017 16:10

Instrument :
BNA_E
ClientSampleId :
KY038PS033-170613

Tgt Ion:152 Resp: 195
Ion Ratio Lower Upper
152 100
150 146.5 125.1 187.7
115 79.6 55.7 83.5



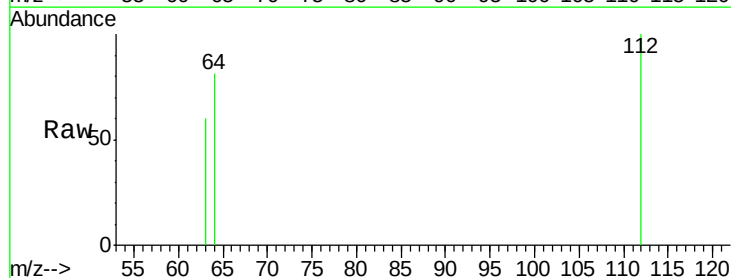
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



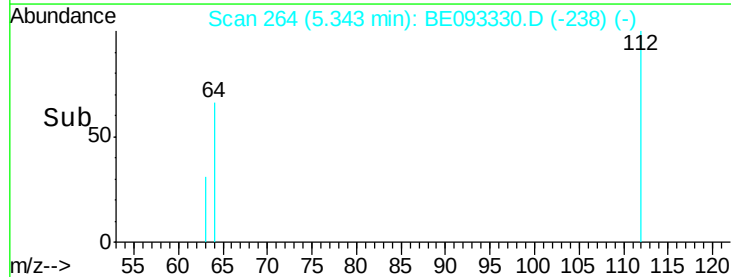
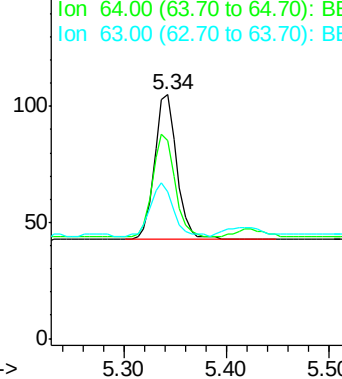
#4

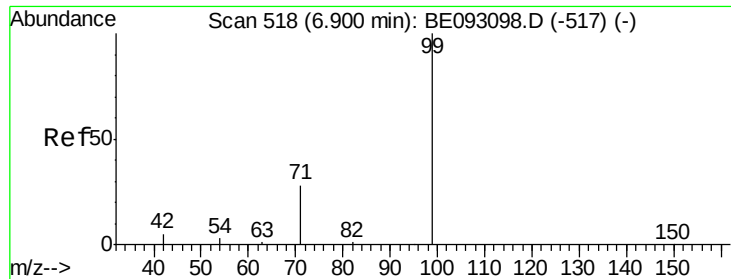
2-Fluorophenol
Concen: 0.16 ng
RT: 5.34 min Scan# 264
Delta R.T. 0.00 min
Lab File: BE093330.D
Acq: 22 Jun 2017 16:10

Tgt Ion:112 Resp: 92
Ion Ratio Lower Upper
112 100
64 70.7 56.4 84.6
63 39.1 29.3 43.9



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: 0.63 ng

RT: 6.90 min Scan# 518

Delta R.T. 0.00 min

Lab File: BE093330.D

Acq: 22 Jun 2017 16:10

Instrument :

BNA_E

ClientSampleId :

KY038PS033-170613

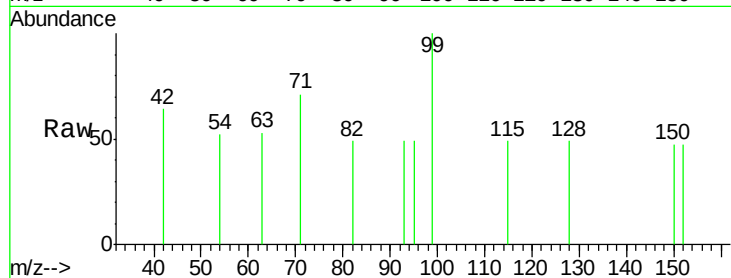
Tgt Ion: 99 Resp: 532

Ion Ratio Lower Upper

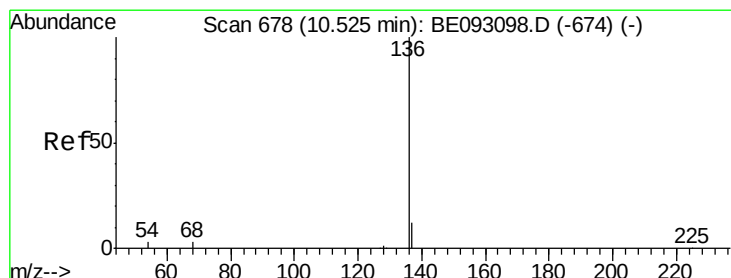
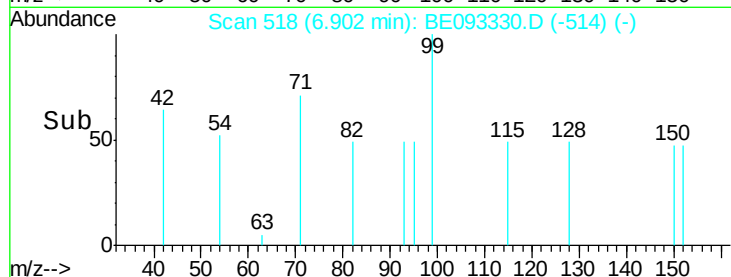
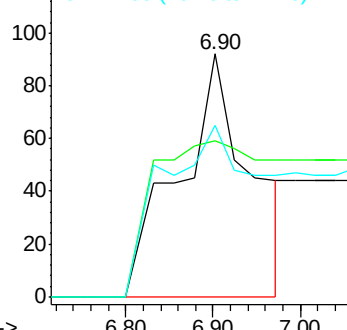
99 100

42 104.5 0.0 0.0#

71 96.4 0.0 0.0#



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: 0.40 ng

RT: 10.51 min Scan# 677

Delta R.T. -0.02 min

Lab File: BE093330.D

Acq: 22 Jun 2017 16:10

Tgt Ion: 136 Resp: 950

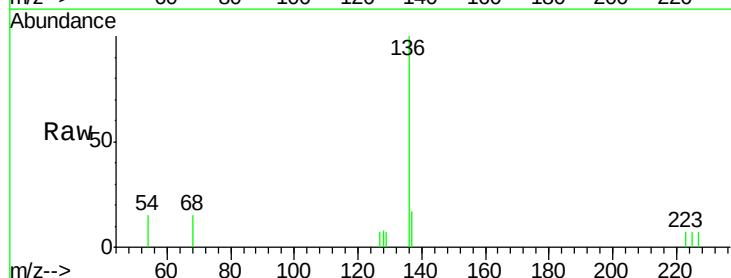
Ion Ratio Lower Upper

136 100

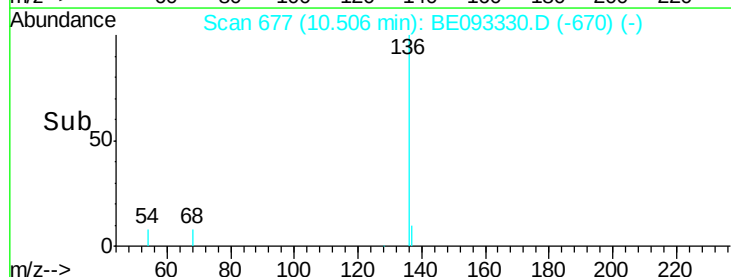
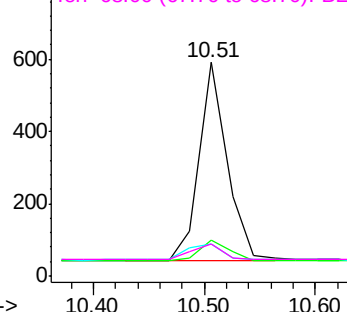
137 16.9 9.8 14.8#

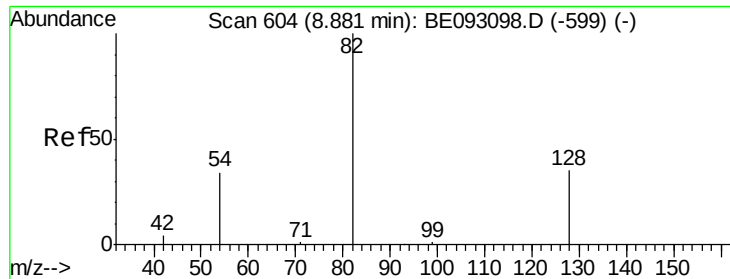
54 15.2 10.3 15.5

68 14.9 9.0 13.4#



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: 0.37 ng

RT: 8.86 min Scan# 603

Delta R.T. -0.02 min

Lab File: BE093330.D

Acq: 22 Jun 2017 16:10

Instrument :

BNA_E

ClientSampleId :

KY038PS033-170613

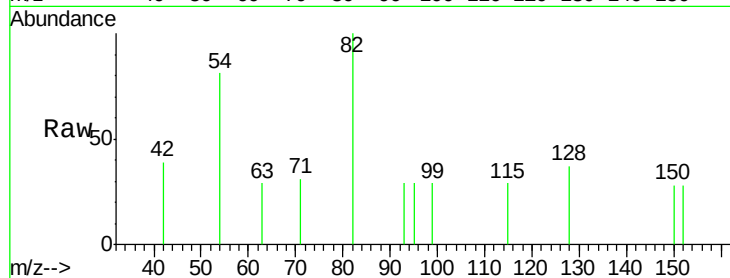
Tgt Ion: 82 Resp: 278

Ion Ratio Lower Upper

82 100

128 36.6 17.0 25.4#

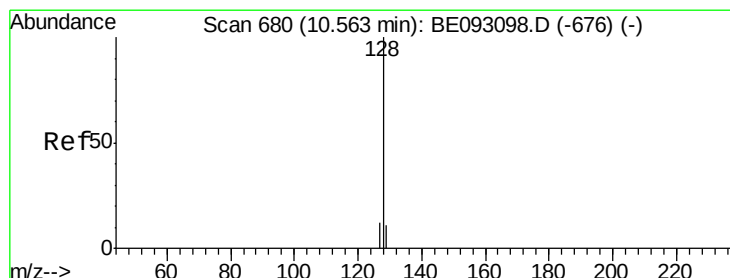
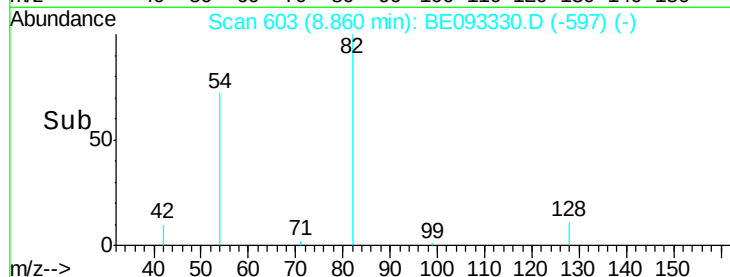
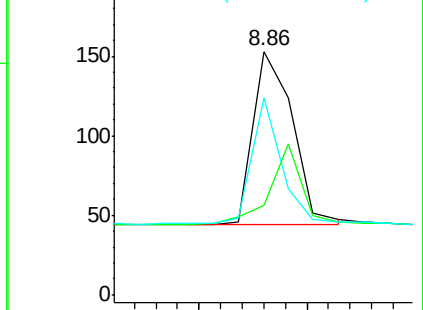
54 81.0 53.8 80.6#



Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): BE0

Ion 54.00 (53.70 to 54.70): BE0



#9

Naphthalene

Concen: 0.03 ng

RT: 10.56 min Scan# 680

Delta R.T. 0.00 min

Lab File: BE093330.D

Acq: 22 Jun 2017 16:10

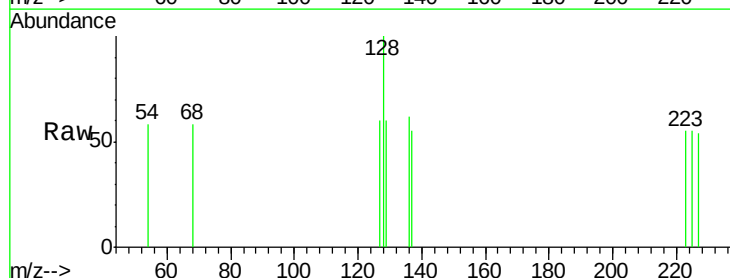
Tgt Ion: 128 Resp: 84

Ion Ratio Lower Upper

128 100

129 60.3 11.4 17.0#

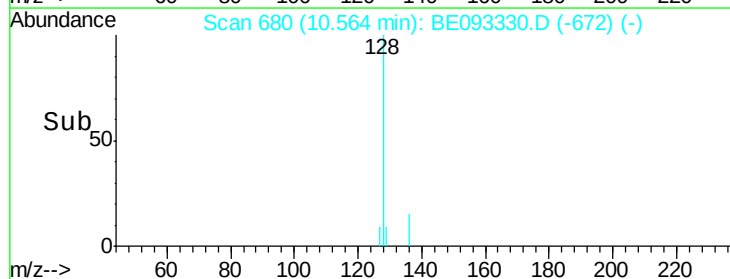
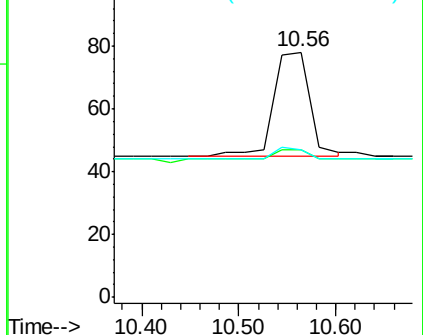
127 60.3 11.2 16.8#

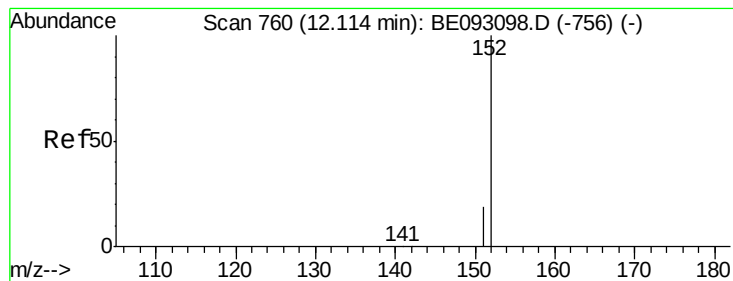


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.35 ng

RT: 12.10 min Scan# 759

Delta R.T. -0.01 min

Lab File: BE093330.D

Acq: 22 Jun 2017 16:10

Instrument :

BNA_E

ClientSampleId :

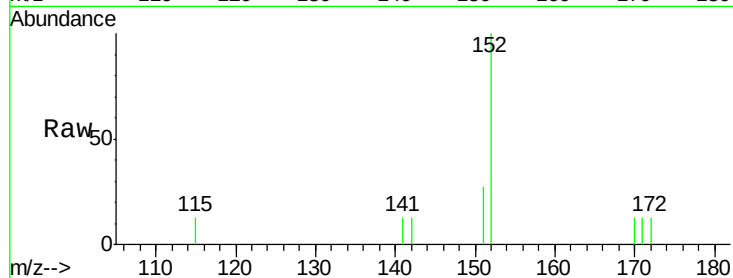
KY038PS033-170613

Tgt Ion:152 Resp: 498

Ion Ratio Lower Upper

152 100

151 19.3 15.1 22.7



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.10

300

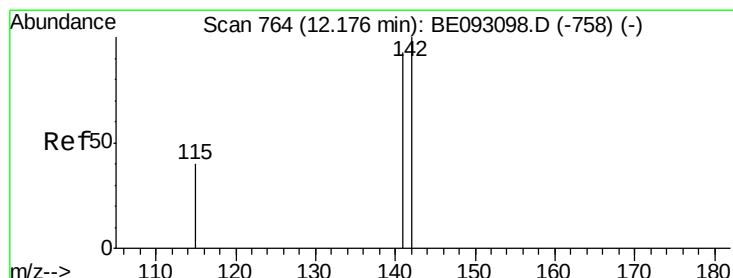
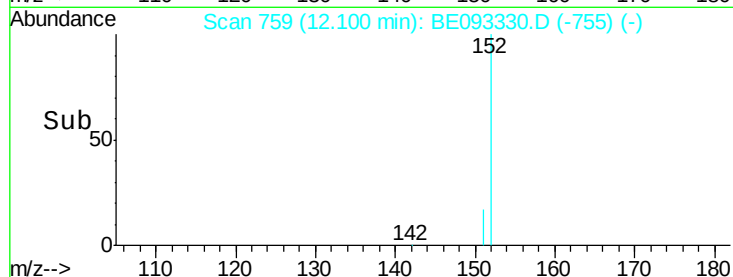
200

100

0

Time-->

12.00 12.10 12.20



#12

2-Methylnaphthalene

Concen: 0.03 ng

RT: 12.18 min Scan# 764

Delta R.T. 0.00 min

Lab File: BE093330.D

Acq: 22 Jun 2017 16:10

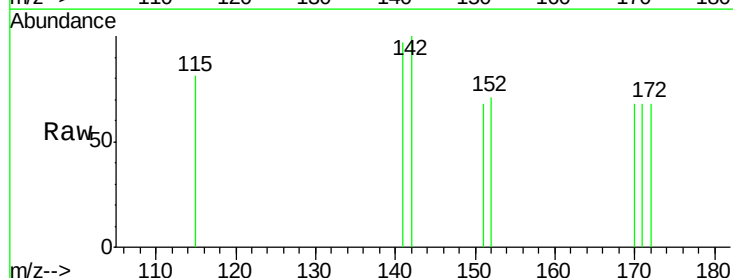
Tgt Ion:142 Resp: 40

Ion Ratio Lower Upper

142 100

141 96.8 72.6 108.8

115 81.0 32.2 48.2#



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

12.18

80

60

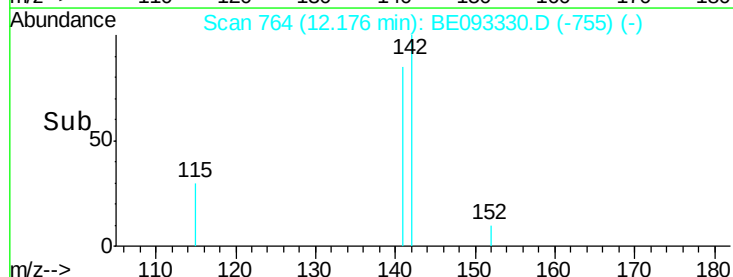
40

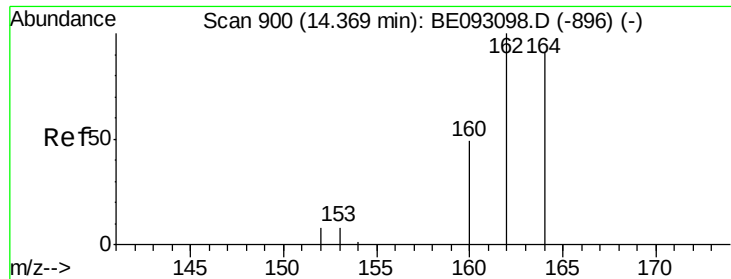
20

0

Time-->

12.10 12.15 12.20 12.25





#13

Acenaphthene-d10

Concen: 0.40 ng

RT: 14.37 min Scan# 900

Delta R.T. 0.00 min

Lab File: BE093330.D

Acq: 22 Jun 2017 16:10

Instrument :

BNA_E

ClientSampleId :

KY038PS033-170613

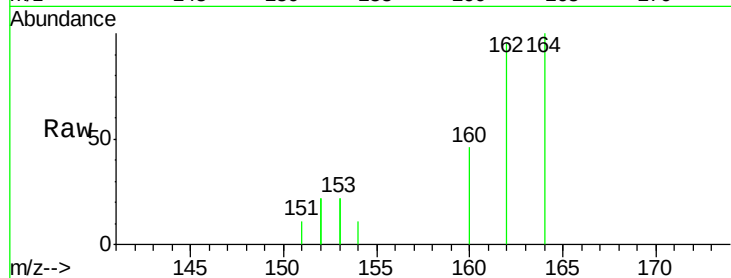
Tgt Ion:164 Resp: 573

Ion Ratio Lower Upper

164 100

162 94.8 84.6 127.0

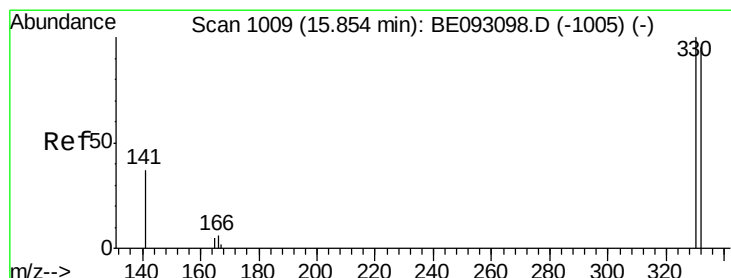
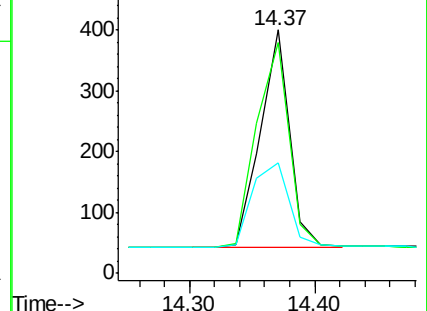
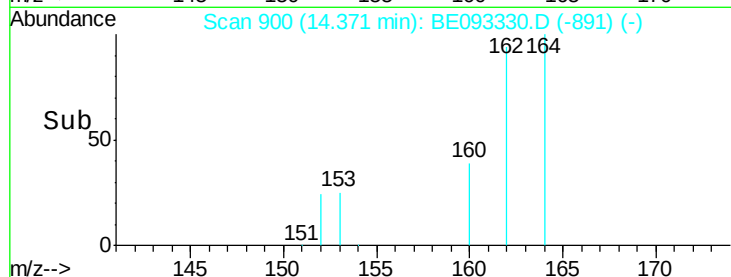
160 45.5 41.8 62.6



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: 0.54 ng

RT: 15.85 min Scan# 1008

Delta R.T. -0.00 min

Lab File: BE093330.D

Acq: 22 Jun 2017 16:10

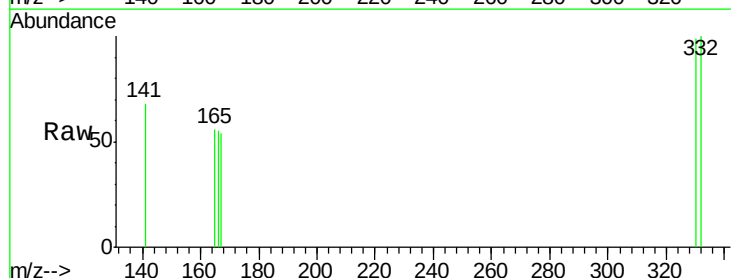
Tgt Ion:330 Resp: 71

Ion Ratio Lower Upper

330 100

332 94.4 77.7 116.5

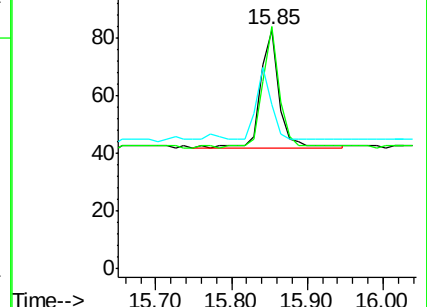
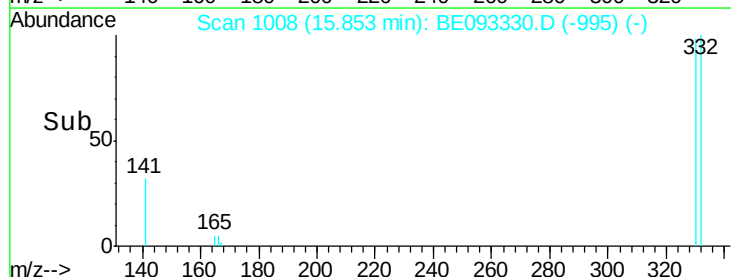
141 46.5 56.2 84.4#

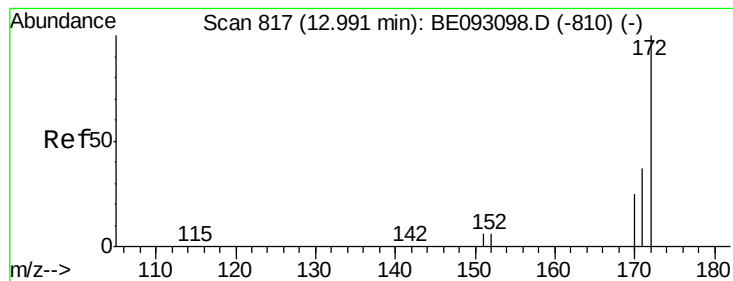


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

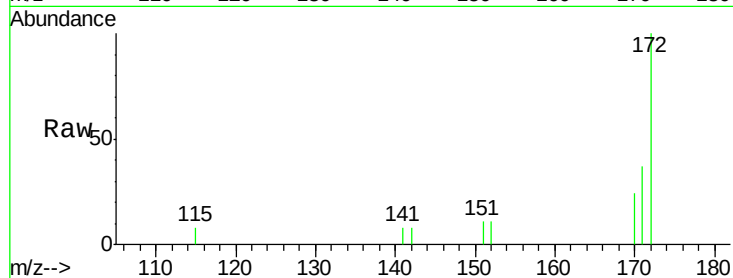




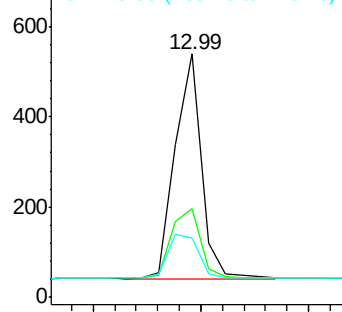
#15
2-Fluorobiphenyl
Concen: 0.34 ng
RT: 12.99 min Scan# 817
Delta R.T. 0.00 min
Lab File: BE093330.D
Acq: 22 Jun 2017 16:10

Instrument :
BNA_E
ClientSampleId :
KY038PS033-170613

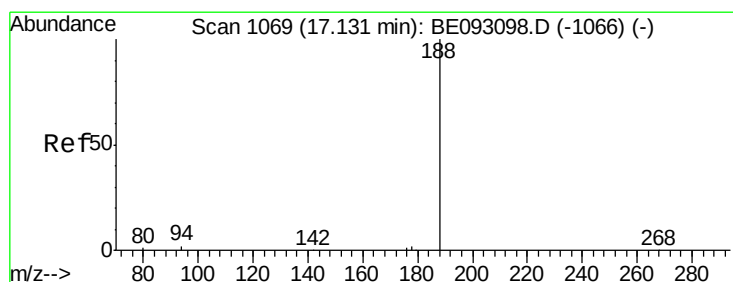
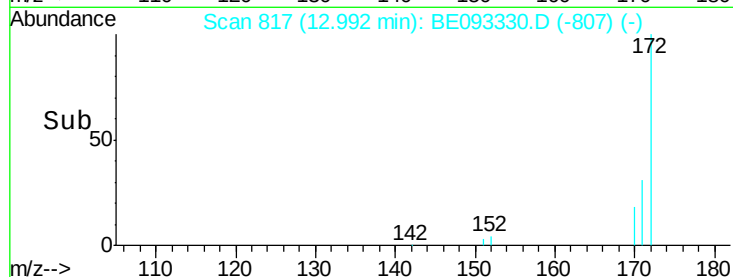
Tgt Ion:172 Resp: 840
Ion Ratio Lower Upper
172 100
171 36.7 29.8 44.6
170 24.3 20.7 31.1



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

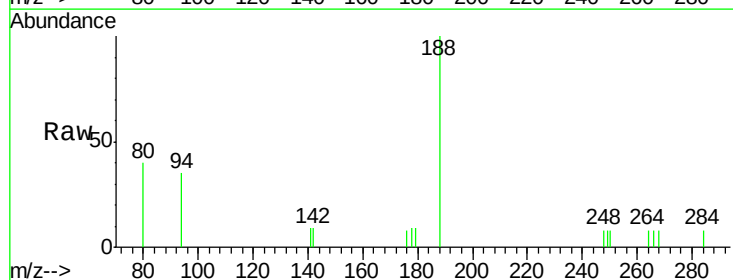


Time-->

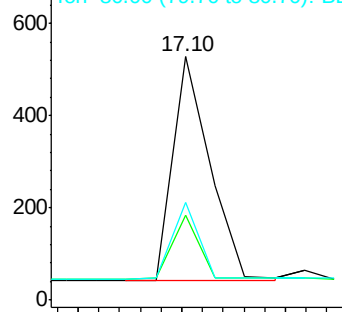


#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 17.10 min Scan# 1068
Delta R.T. -0.03 min
Lab File: BE093330.D
Acq: 22 Jun 2017 16:10

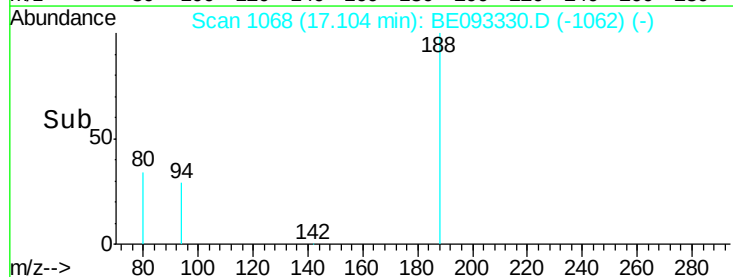
Tgt Ion:188 Resp: 1208
Ion Ratio Lower Upper
188 100
94 35.0 11.3 16.9#
80 40.0 11.7 17.5#

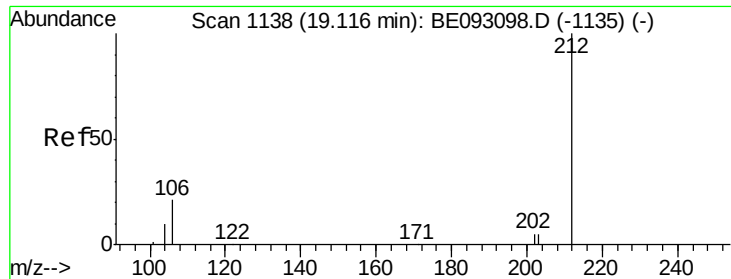


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BE0
Ion 80.00 (79.70 to 80.70): BE0



Time-->





#25

Fluoranthene-d10

Concen: 0.53 ng

RT: 19.11 min Scan# 1138

Delta R.T. -0.00 min

Lab File: BE093330.D

Acq: 22 Jun 2017 16:10

Instrument :

BNA_E

ClientSampleId :

KY038PS033-170613

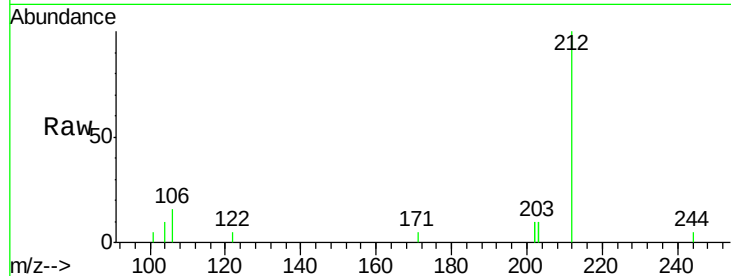
Tgt Ion:212 Resp: 2097

Ion Ratio Lower Upper

212 100

106 32.4 0.0 0.0#

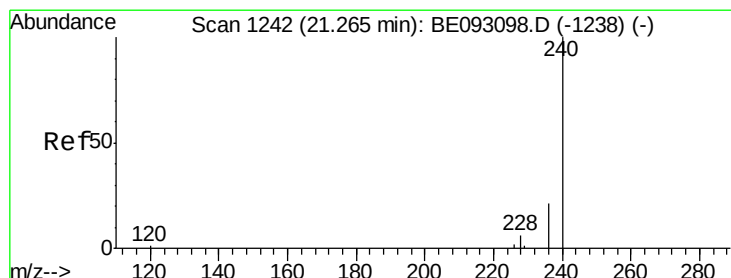
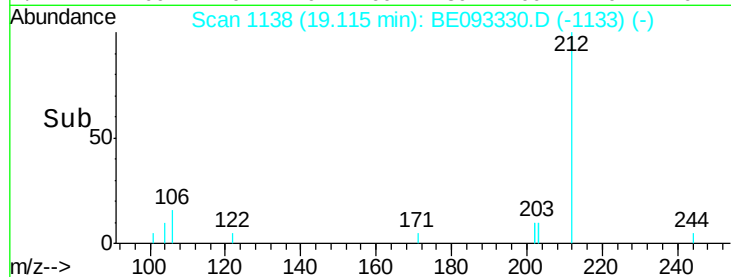
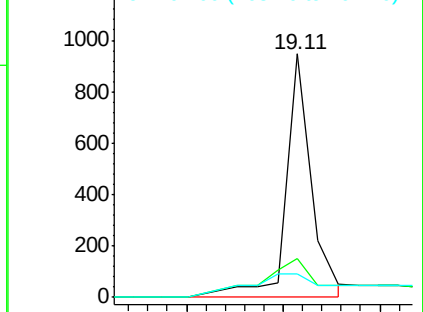
104 0.0 0.0 0.0



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



#27

Chrysene-d12

Concen: 0.40 ng

RT: 21.25 min Scan# 1241

Delta R.T. -0.02 min

Lab File: BE093330.D

Acq: 22 Jun 2017 16:10

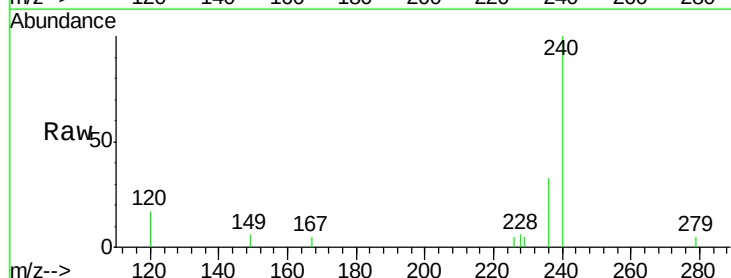
Tgt Ion:240 Resp: 1499

Ion Ratio Lower Upper

240 100

120 17.1 4.6 7.0#

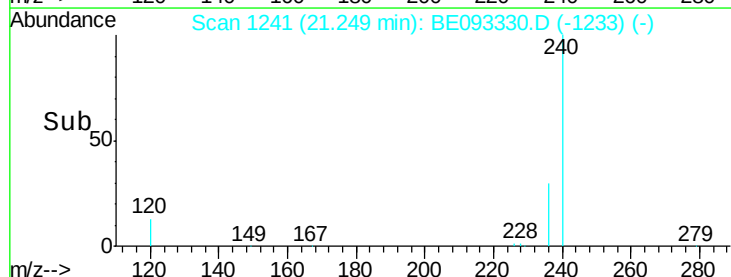
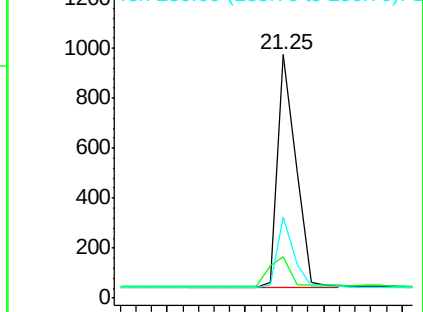
236 33.5 20.8 31.2#

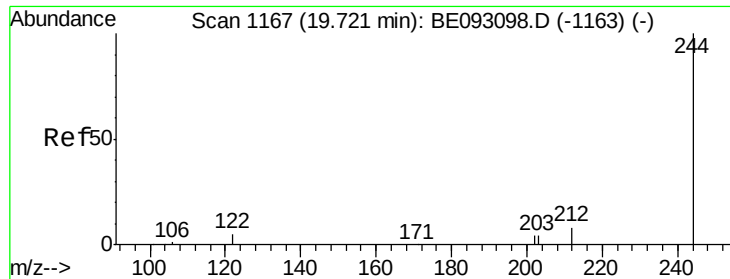


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#29

Terphenyl-d14

Concen: 0.37 ng

RT: 19.72 min Scan# 1167

Delta R.T. -0.00 min

Lab File: BE093330.D

Acq: 22 Jun 2017 16:10

Instrument :

BNA_E

ClientSampleId :

KY038PS033-170613

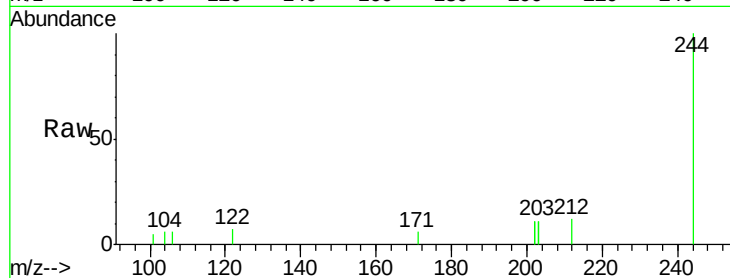
Tgt Ion:244 Resp: 1078

Ion Ratio Lower Upper

244 100

212 12.4 10.6 16.0

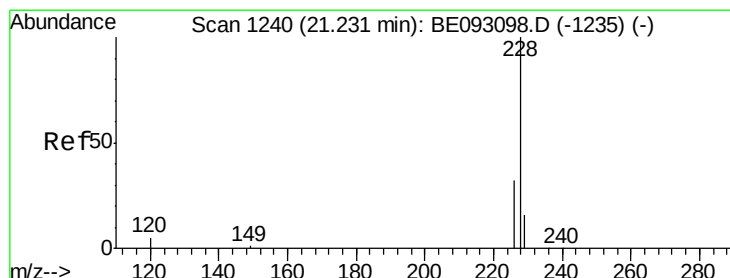
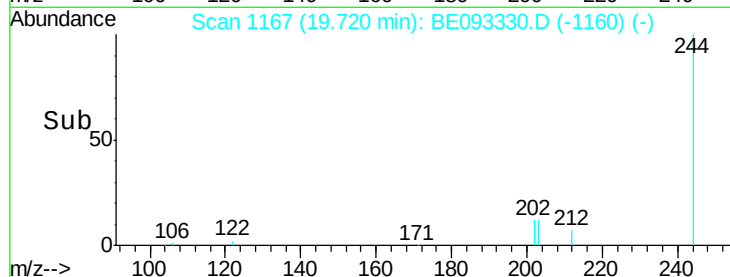
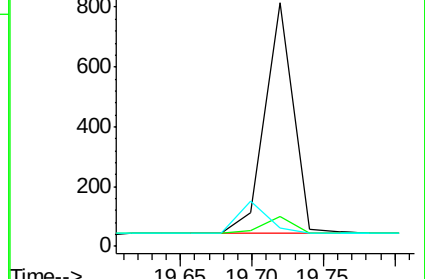
122 7.5 15.4 23.0#



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: 0.02 ng

RT: 21.28 min Scan# 1243

Delta R.T. 0.05 min

Lab File: BE093330.D

Acq: 22 Jun 2017 16:10

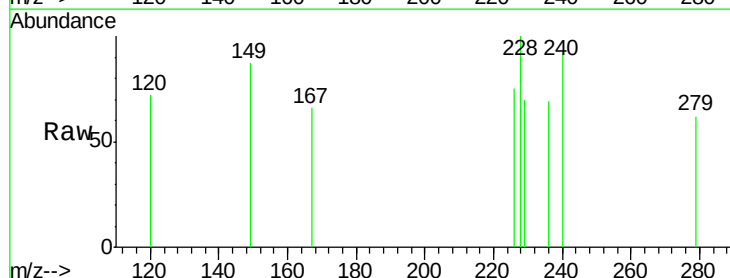
Tgt Ion:228 Resp: 84

Ion Ratio Lower Upper

228 100

226 74.6 19.7 29.5#

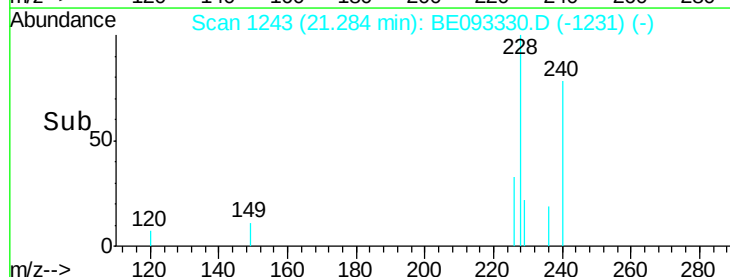
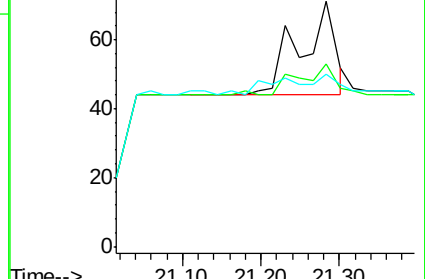
229 70.4 19.2 28.8#

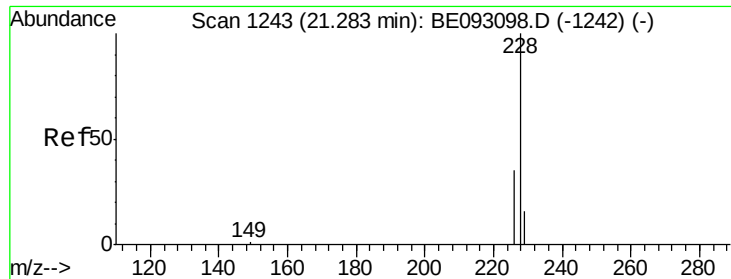


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.02 ng

RT: 21.28 min Scan# 1243

Delta R.T. 0.00 min

Lab File: BE093330.D

Acq: 22 Jun 2017 16:10

Instrument :

BNA_E

ClientSampleId :

KY038PS033-170613

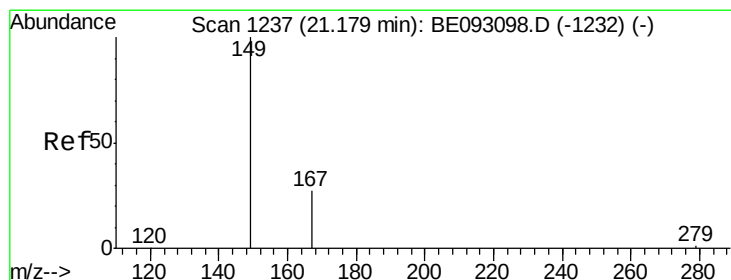
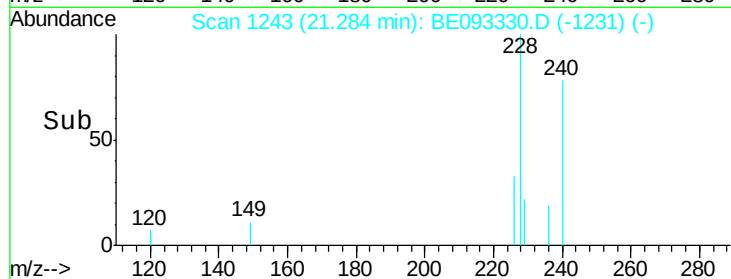
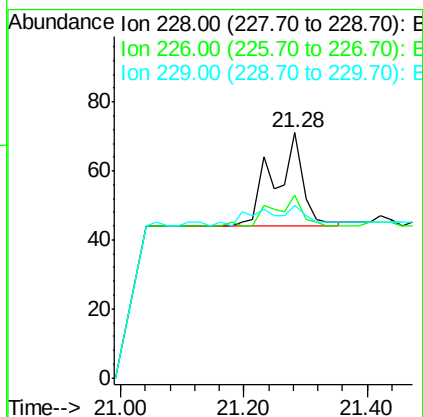
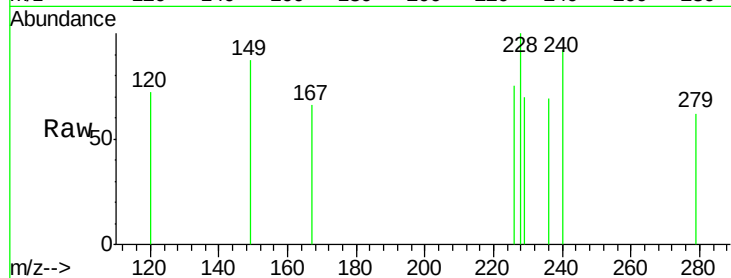
Tgt Ion: 228 Resp: 88

Ion Ratio Lower Upper

228 100

226 74.6 21.5 32.3#

229 70.4 18.6 28.0#



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.09 ng

RT: 21.16 min Scan# 1236

Delta R.T. -0.02 min

Lab File: BE093330.D

Acq: 22 Jun 2017 16:10

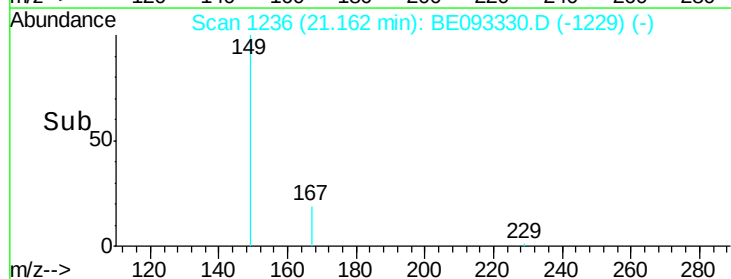
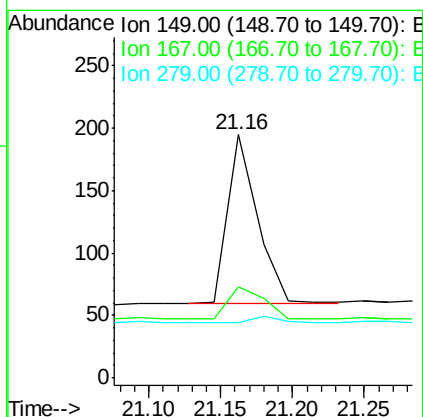
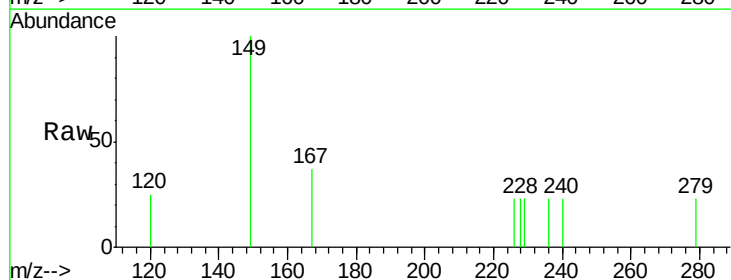
Tgt Ion: 149 Resp: 194

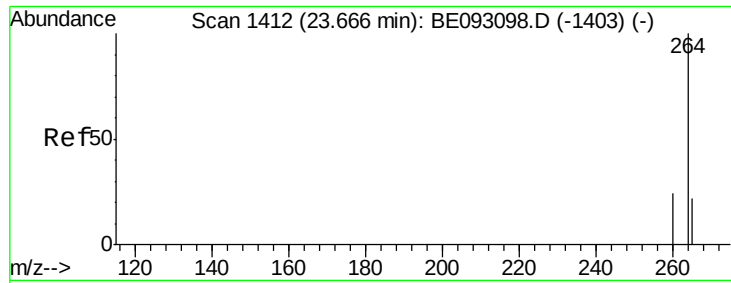
Ion Ratio Lower Upper

149 100

167 23.2 20.1 30.1

279 0.0 2.2 3.4#

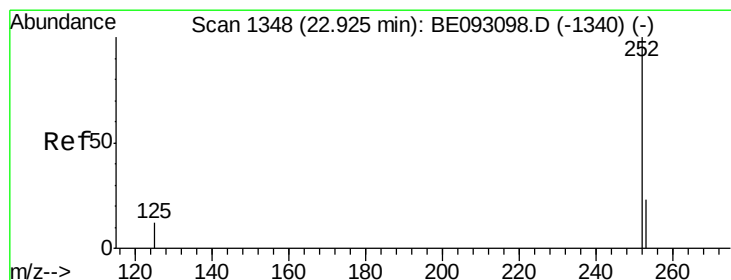
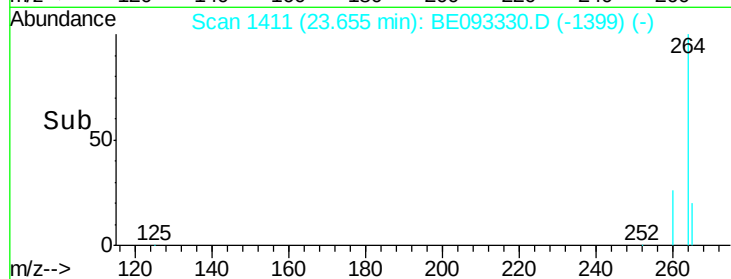
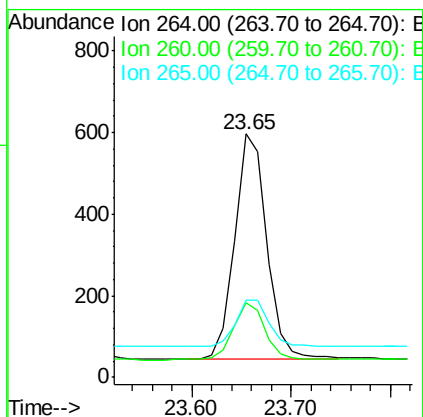
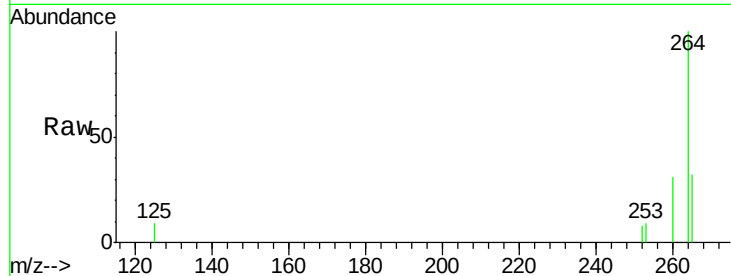




#34
 Perylene-d12
 Concen: 0.40 ng
 RT: 23.65 min Scan# 1411
 Delta R.T. -0.01 min
 Lab File: BE093330.D
 Acq: 22 Jun 2017 16:10

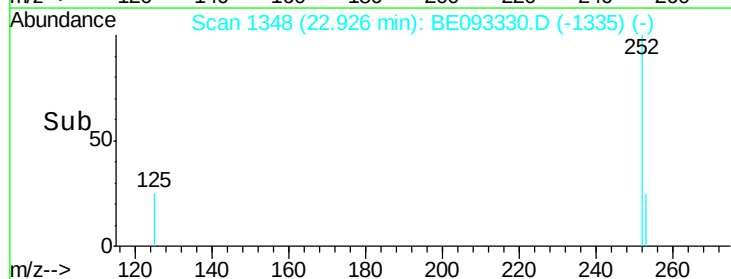
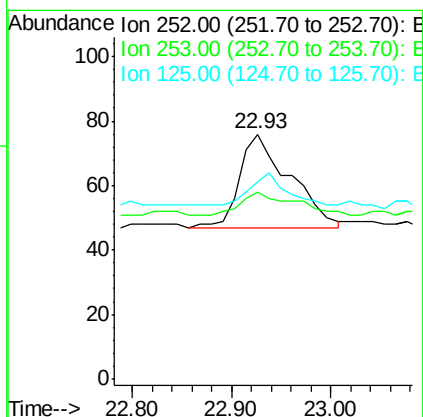
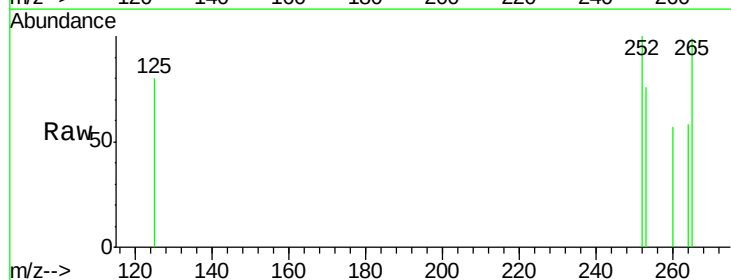
Instrument :
 BNA_E
 ClientSampleId :
 KY038PS033-170613

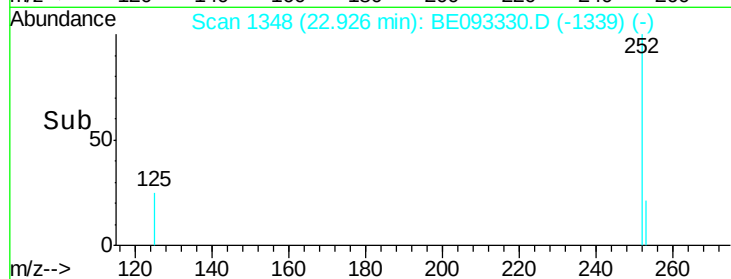
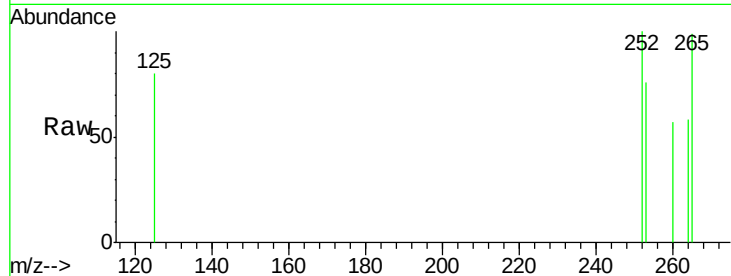
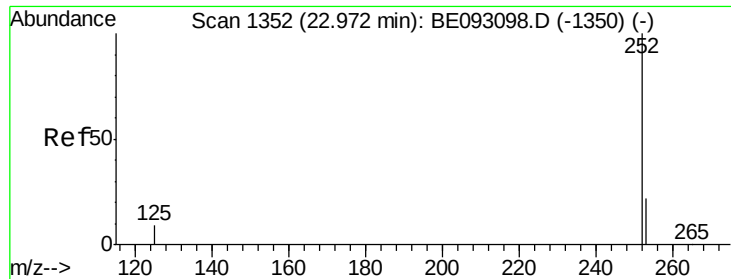
Tgt Ion: 264 Resp: 1240
 Ion Ratio Lower Upper
 264 100
 260 30.8 21.0 31.4
 265 31.7 24.6 36.8



#35
 Benzo(b)fluoranthene
 Concen: 0.03 ng
 RT: 22.93 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: BE093330.D
 Acq: 22 Jun 2017 16:10

Tgt Ion: 252 Resp: 101
 Ion Ratio Lower Upper
 252 100
 253 76.3 18.5 27.7#
 125 80.3 13.4 20.0#





#36

Benzo(k)fluoranthene

Concen: 0.03 ng

RT: 22.93 min Scan# 1348

Delta R.T. -0.05 min

Lab File: BE093330.D

Acq: 22 Jun 2017 16:10

Instrument :

BNA_E

ClientSampleId :

KY038PS033-170613

Tgt Ion: 252 Resp: 105

Ion Ratio Lower Upper

252 100

253 76.3 20.3 30.5#

125 80.3 12.2 18.4#

