

Data File : BE093326.D
Acq On : 22 Jun 2017 13:23
Operator : SJ/JU
Sample : PB99833BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PB99833BL

Quant Time: Jun 23 07:11:19 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	176	0.40	ng	-0.02
7) Naphthalene-d8	10.51	136	812	0.40	ng	-0.02
13) Acenaphthene-d10	14.37	164	414	0.40	ng	0.00
19) Phenanthrene-d10	17.13	188	955	0.40	ng	0.00
27) Chrysene-d12	21.25	240	1199	0.40	ng	-0.02
34) Perylene-d12	23.67	264	1065	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.34	112	241	0.46	ng	0.00
5) Phenol-d6	6.90	99	782	1.03	ng	0.00
8) Nitrobenzene-d5	8.88	82	265	0.41	ng	0.00
11) 2-Methylnaphthalene-d10	12.10	152	464	0.38	ng	-0.01
14) 2,4,6-Tribromophenol	15.85	330	49	0.52	ng	0.00
15) 2-Fluorobiphenyl	12.99	172	698	0.39	ng	0.00
25) Fluoranthene-d10	19.11	212	1169	0.37	ng	0.00
29) Terphenyl-d14	19.72	244	1058	0.46	ng	0.00

Target Compounds						Qvalue
30) Benzo(a)anthracene	21.28	228	100	0.03	ng	# 3
31) Chrysene	21.28	228	109	0.03	ng	# 6
35) Benzo(b)fluoranthene	22.93	252	105	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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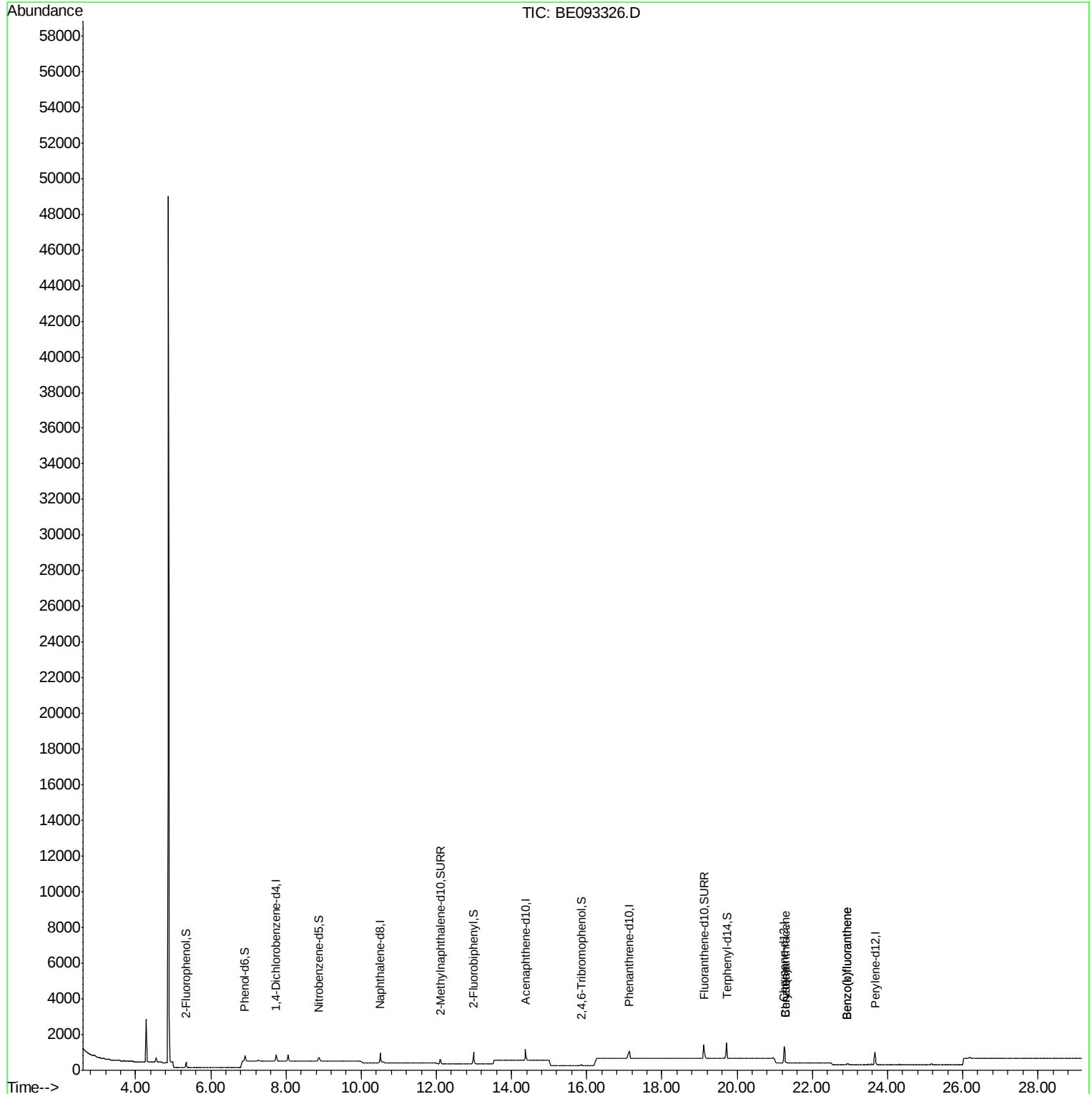
Quant Time: Jun 23 07:11:19 2017

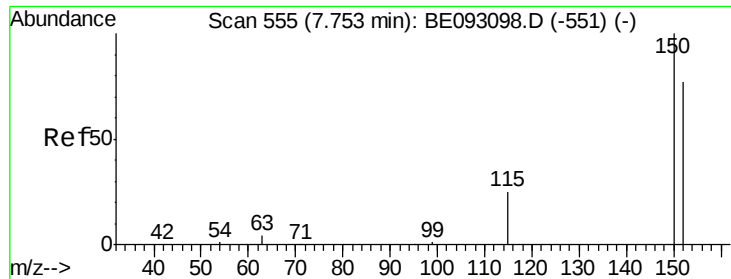
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE061217.M

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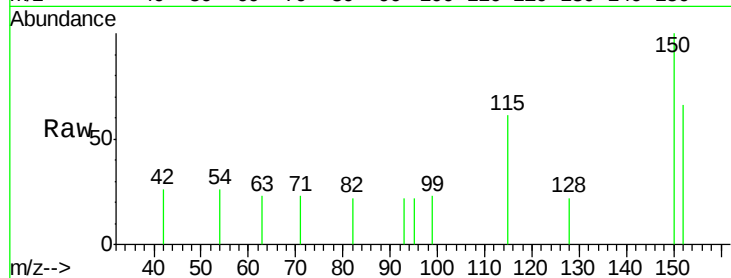


#1

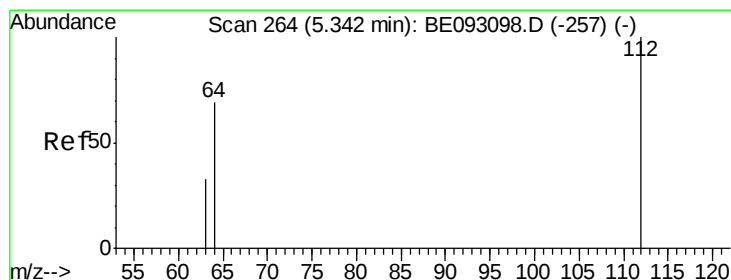
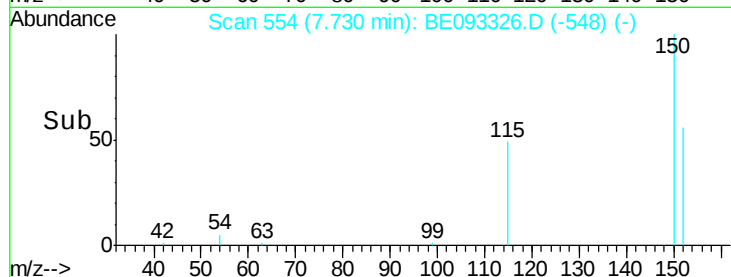
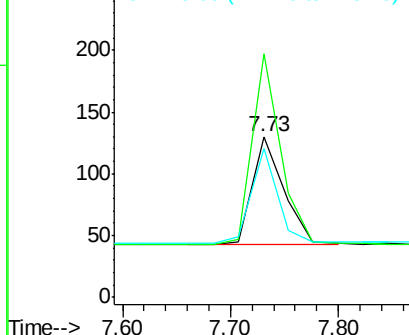
1,4-Dichlorobenzene-d4
Concen: 0.40 ng
RT: 7.73 min Scan# 554
Delta R.T. -0.02 min
Lab File: BE093326.D
Acq: 22 Jun 2017 13:23

Instrument :
BNA_E
ClientSampleId :
PB99833BL

Tgt Ion:152 Resp: 176
Ion Ratio Lower Upper
152 100
150 151.5 125.1 187.7
115 92.3 55.7 83.5#



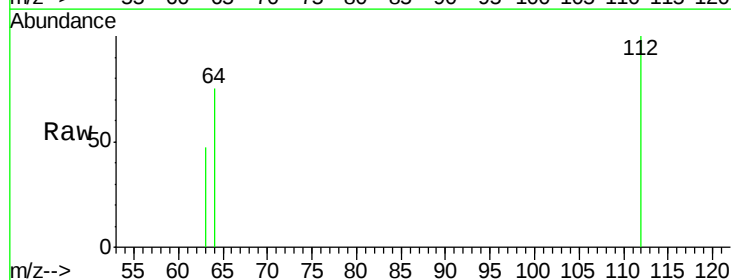
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



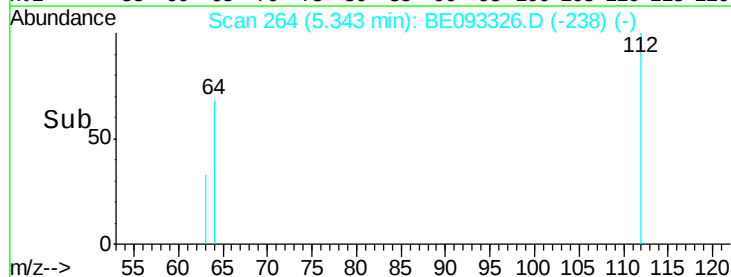
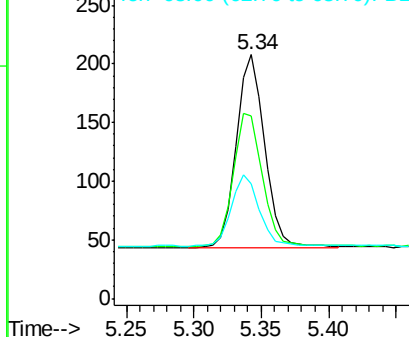
#4

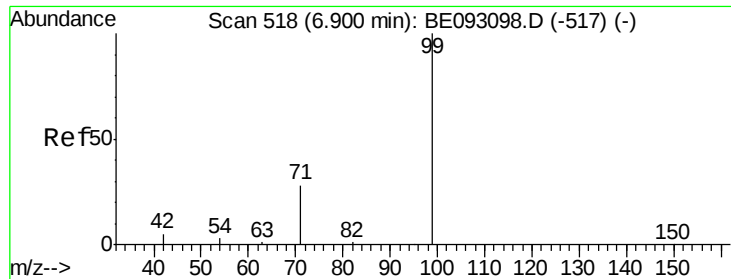
2-Fluorophenol
Concen: 0.46 ng
RT: 5.34 min Scan# 264
Delta R.T. 0.00 min
Lab File: BE093326.D
Acq: 22 Jun 2017 13:23

Tgt Ion:112 Resp: 241
Ion Ratio Lower Upper
112 100
64 71.0 56.4 84.6
63 37.3 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: 1.03 ng

RT: 6.90 min Scan# 518

Delta R.T. 0.00 min

Lab File: BE093326.D

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Instrument :

BNA_E

ClientSampleId :

PB99833BL

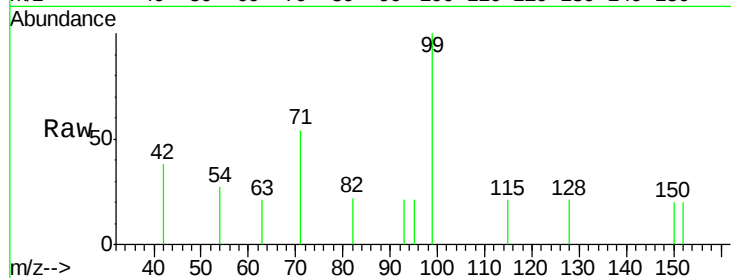
Tgt Ion: 99 Resp: 782

Ion Ratio Lower Upper

99 100

42 74.6 0.0 0.0#

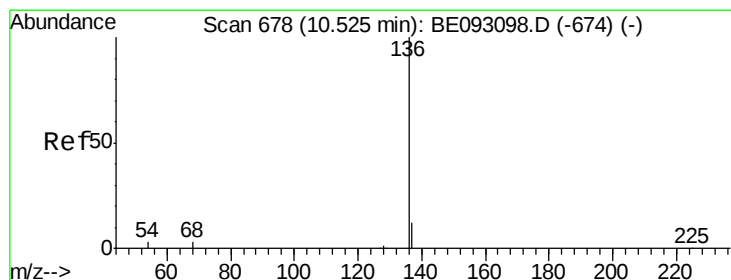
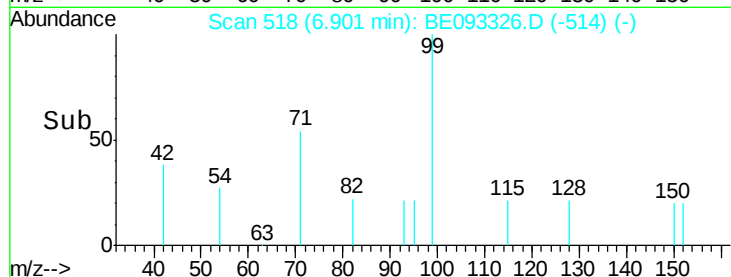
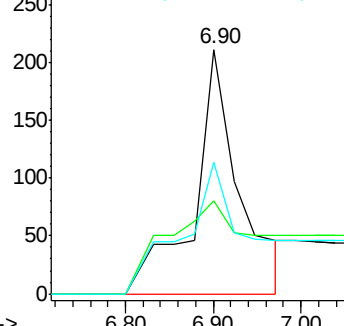
71 74.7 0.0 0.0#



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: BE093326.D

Acq: 22 Jun 2017 13:23

Tgt Ion: 136 Resp: 812

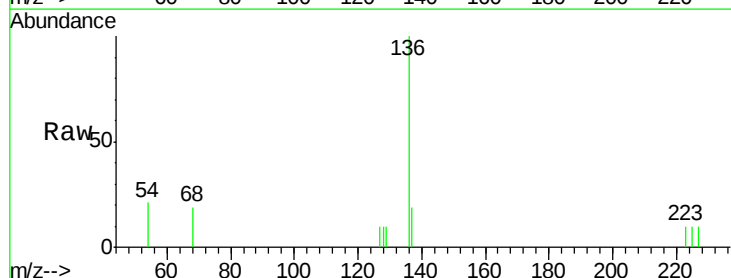
Ion Ratio Lower Upper

136 100

137 18.7 9.8 14.8#

54 20.7 10.3 15.5#

68 18.7 9.0 13.4#

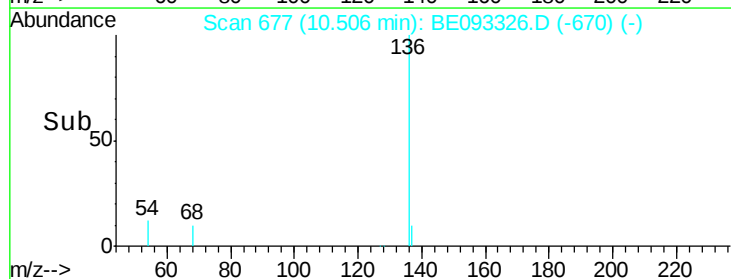
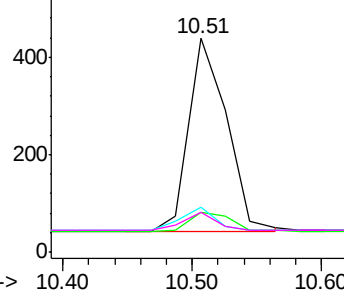


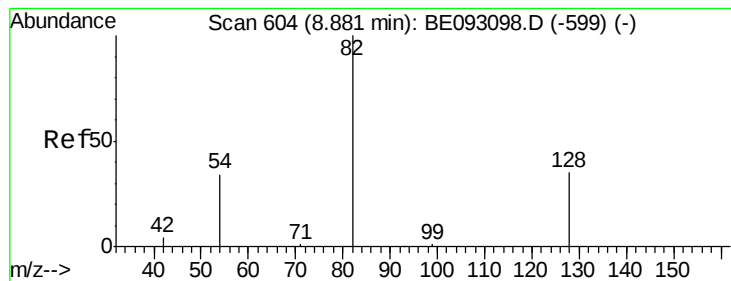
Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.41 ng

RT: 8.88 min Scan# 604

Delta R.T. 0.00 min

Lab File: BE093326.D

Acq: 22 Jun 2017 13:23

Instrument :

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ClientSampleId :

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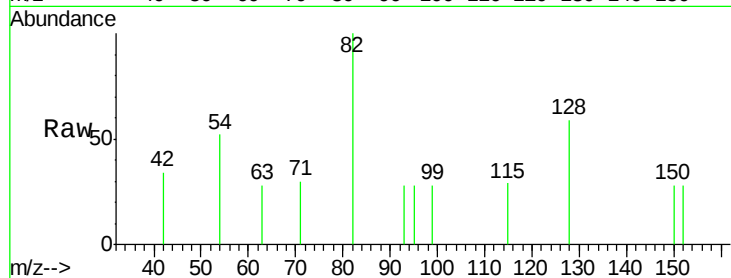
Tgt Ion: 82 Resp: 265

Ion Ratio Lower Upper

82 100

128 59.4 17.0 25.4#

54 52.3 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

8.88

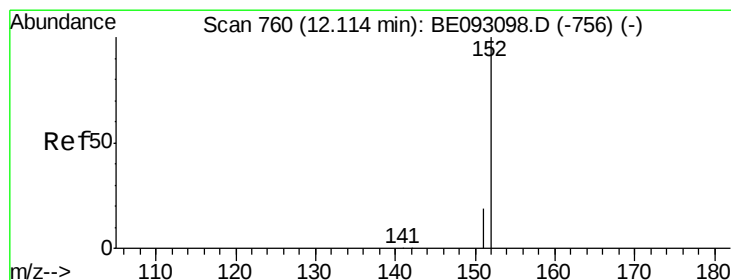
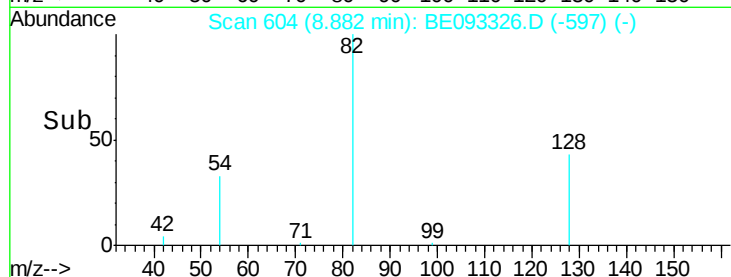
150

100

50

0

Time-->



#11

2-Methylnaphthalene-d10

Concen: 0.38 ng

RT: 12.10 min Scan# 759

Delta R.T. -0.01 min

Lab File: BE093326.D

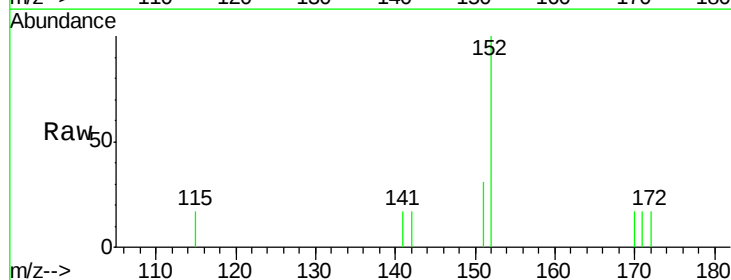
Acq: 22 Jun 2017 13:23

Tgt Ion: 152 Resp: 464

Ion Ratio Lower Upper

152 100

151 19.2 15.1 22.7



Abundance Ion 152.00 (151.70 to 152.70): BE0

Ion 151.00 (150.70 to 151.70): BE0

12.10

300

250

200

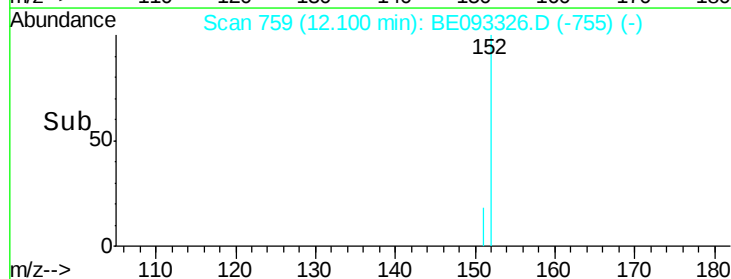
150

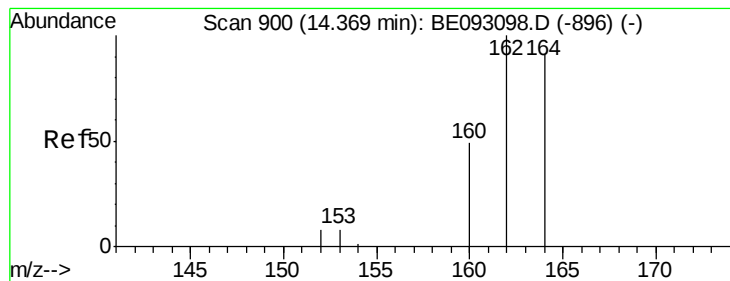
100

50

0

Time-->





#13

Acenaphthene-d10

Concen: 0.40 ng

RT: 14.37 min Scan# 900

Delta R.T. 0.00 min

Lab File: BE093326.D

Acq: 22 Jun 2017 13:23

Instrument :

BNA_E

ClientSampleId :

PB99833BL

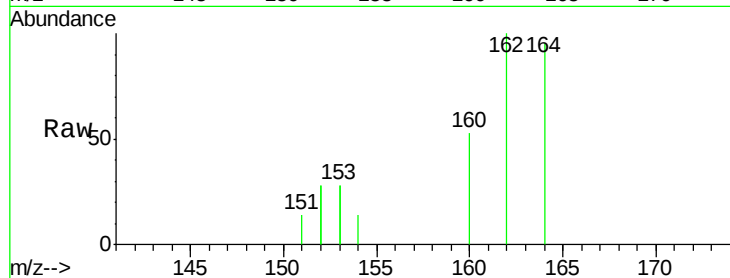
Tgt Ion:164 Resp: 414

Ion Ratio Lower Upper

164 100

162 105.5 84.6 127.0

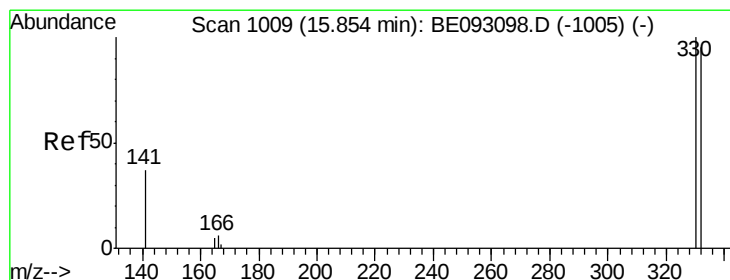
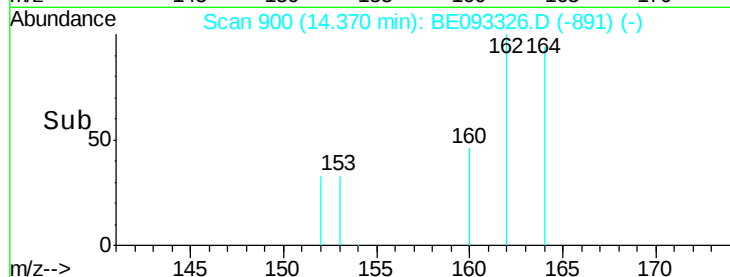
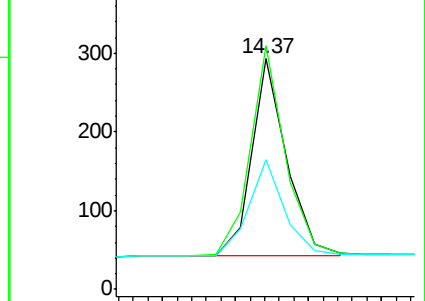
160 56.3 41.8 62.6



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: 0.52 ng

RT: 15.85 min Scan# 1009

Delta R.T. 0.00 min

Lab File: BE093326.D

Acq: 22 Jun 2017 13:23

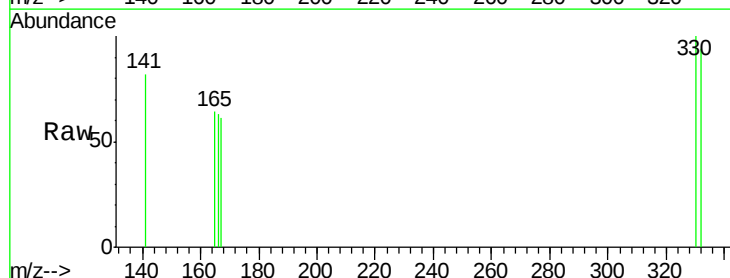
Tgt Ion:330 Resp: 49

Ion Ratio Lower Upper

330 100

332 108.2 77.7 116.5

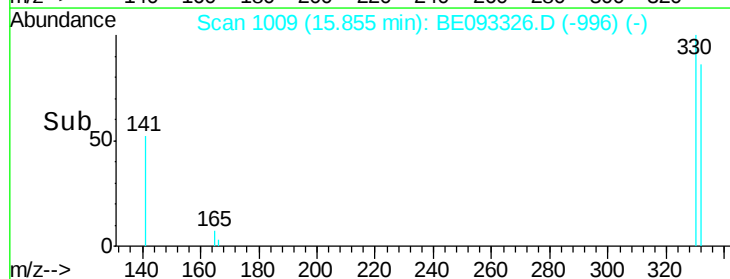
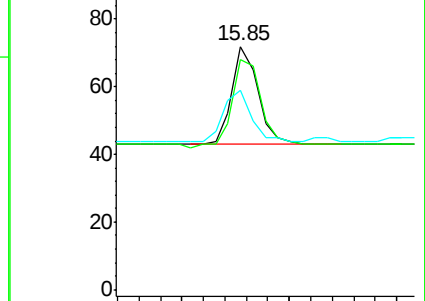
141 53.1 56.2 84.4#

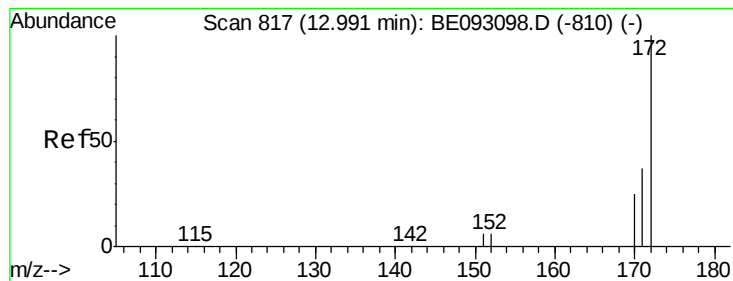


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

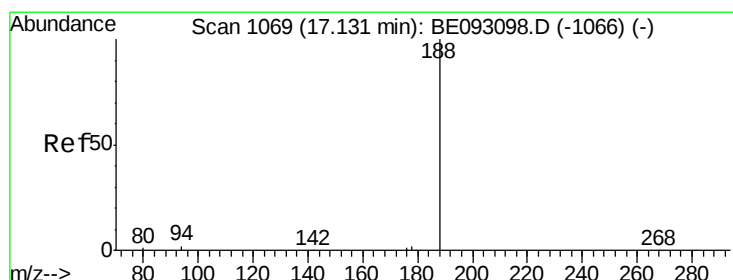
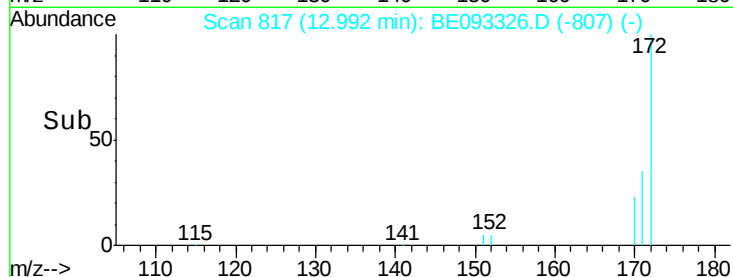
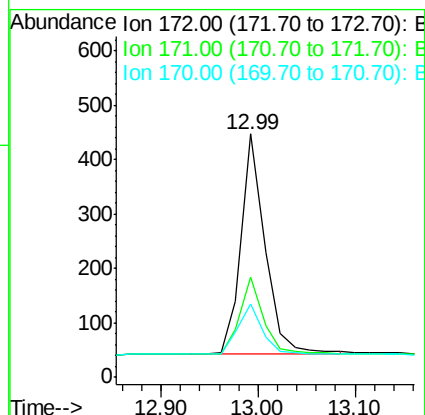
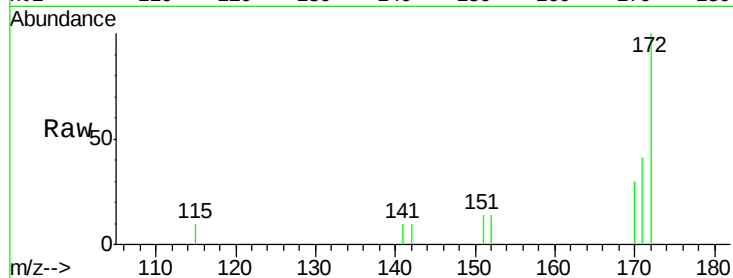




#15
2-Fluorobiphenyl
Concen: 0.39 ng
RT: 12.99 min Scan# 817
Delta R.T. 0.00 min
Lab File: BE093326.D
Acq: 22 Jun 2017 13:23

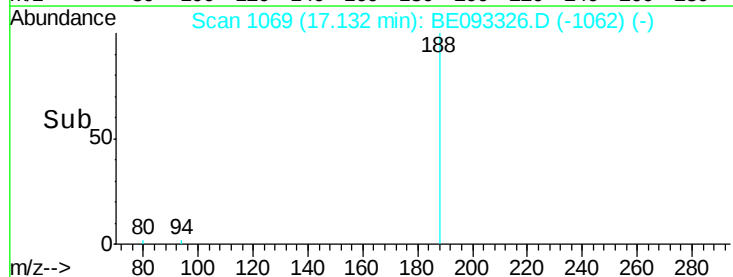
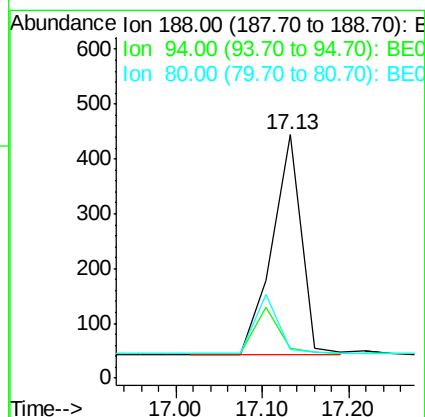
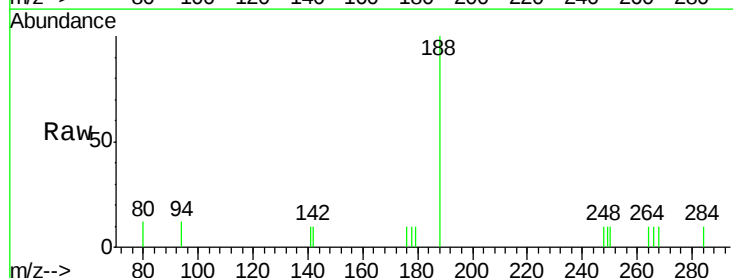
Instrument :
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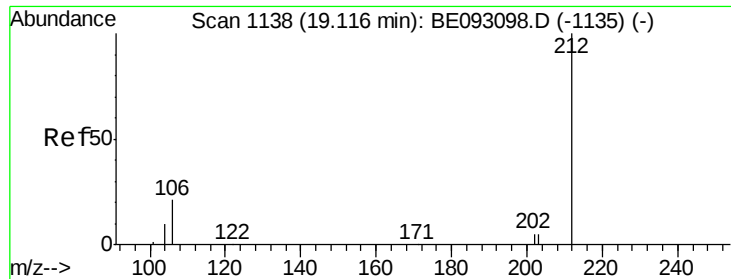
Tgt Ion:172 Resp: 698
Ion Ratio Lower Upper
172 100
171 41.2 29.8 44.6
170 30.4 20.7 31.1



#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 17.13 min Scan# 1069
Delta R.T. 0.00 min
Lab File: BE093326.D
Acq: 22 Jun 2017 13:23

Tgt Ion:188 Resp: 955
Ion Ratio Lower Upper
188 100
94 12.2 11.3 16.9
80 11.9 11.7 17.5

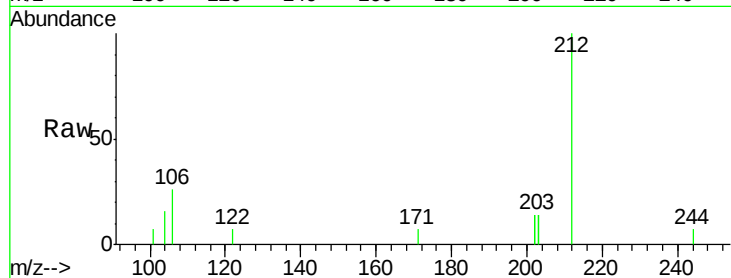




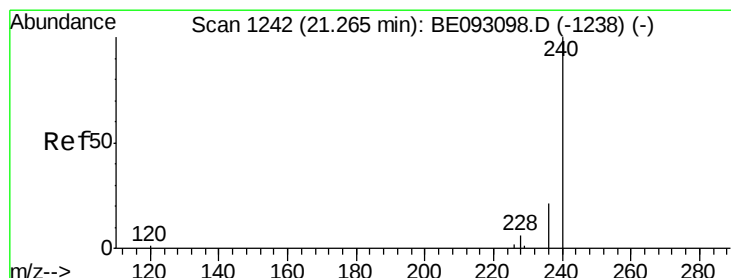
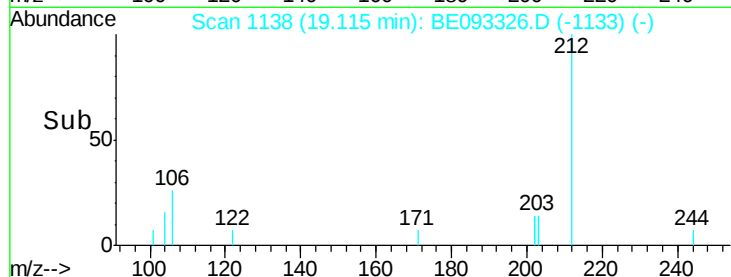
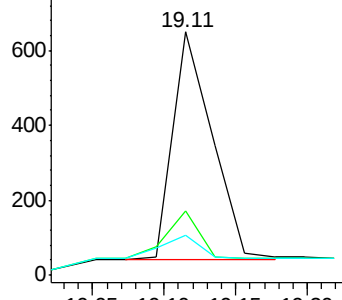
#25
 Fluoranthene-d10
 Concen: 0.37 ng
 RT: 19.11 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: BE093326.D
 Acq: 22 Jun 2017 13:23

Instrument :
 BNA_E
 ClientSampleId :
 PB99833BL

Tgt Ion: 212 Resp: 1169
 Ion Ratio Lower Upper
 212 100
 106 18.0 0.0 0.0#
 104 9.8 0.0 0.0#

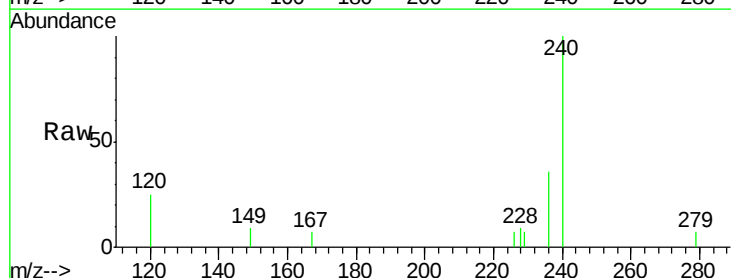


Abundance Ion 212.00 (211.70 to 212.70): E
 Ion 106.00 (105.70 to 106.70): E
 Ion 104.00 (103.70 to 104.70): E

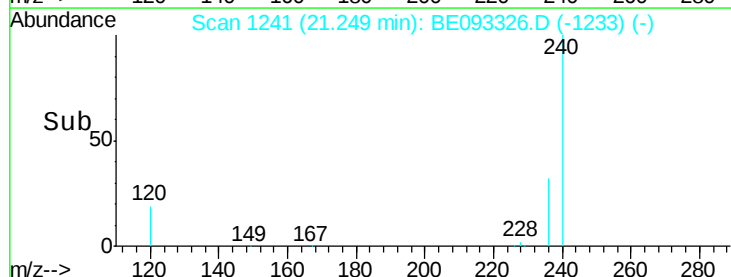
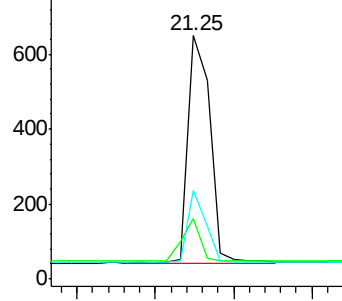


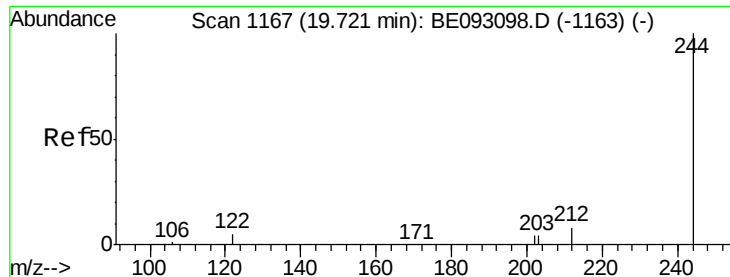
#27
 Chrysene-d12
 Concen: 0.40 ng
 RT: 21.25 min Scan# 1241
 Delta R.T. -0.02 min
 Lab File: BE093326.D
 Acq: 22 Jun 2017 13:23

Tgt Ion: 240 Resp: 1199
 Ion Ratio Lower Upper
 240 100
 120 24.8 4.6 7.0#
 236 36.3 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: 0.46 ng

RT: 19.72 min Scan# 1167

Delta R.T. -0.00 min

Lab File: BE093326.D

Acq: 22 Jun 2017 13:23

Instrument :

BNA_E

ClientSampleId :

PB99833BL

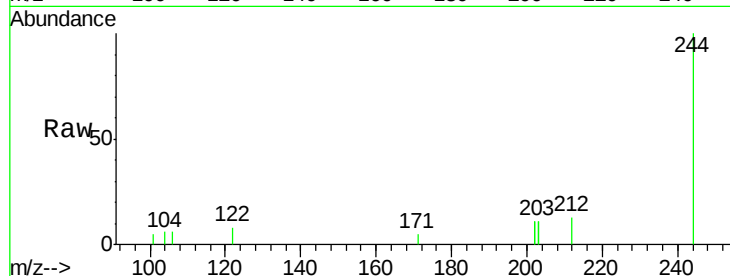
Tgt Ion:244 Resp: 1058

Ion Ratio Lower Upper

244 100

212 12.7 10.6 16.0

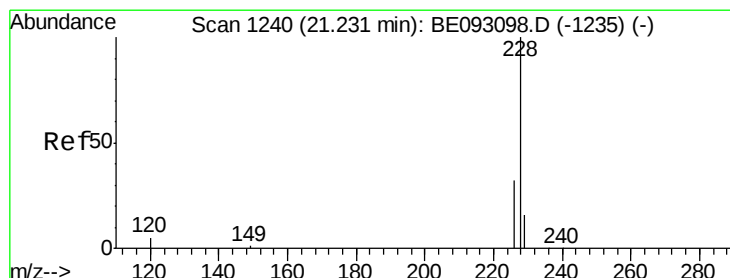
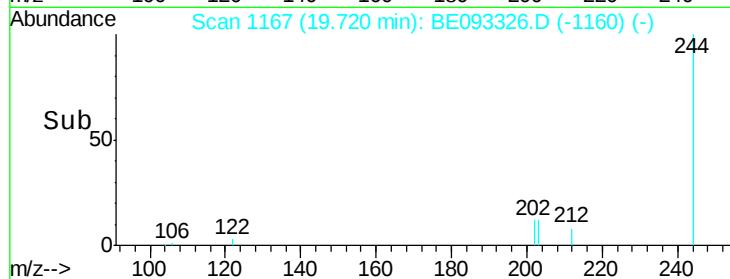
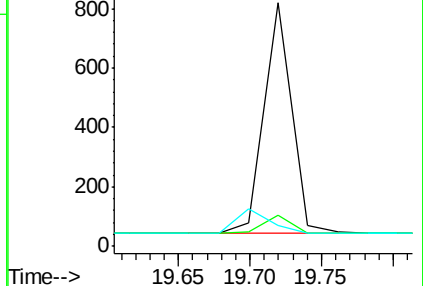
122 8.4 15.4 23.0#



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: 0.03 ng

RT: 21.28 min Scan# 1243

Delta R.T. 0.05 min

Lab File: BE093326.D

Acq: 22 Jun 2017 13:23

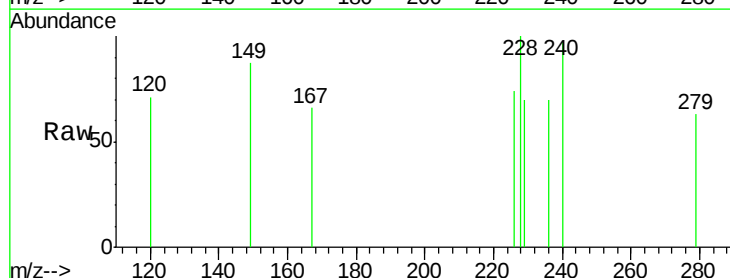
Tgt Ion:228 Resp: 100

Ion Ratio Lower Upper

228 100

226 74.3 19.7 29.5#

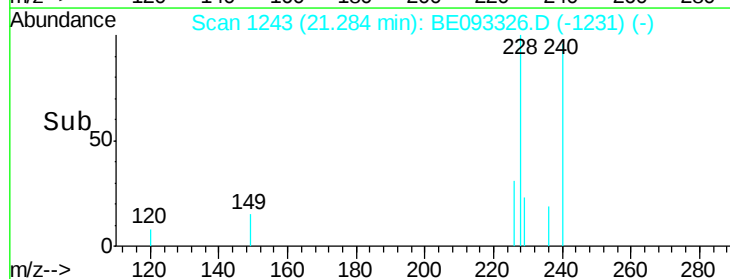
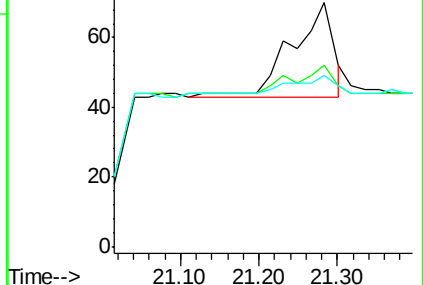
229 70.0 19.2 28.8#

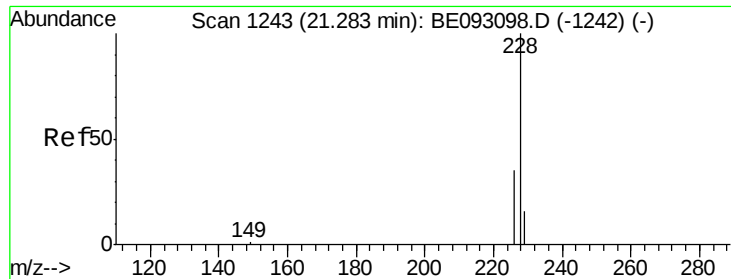


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.03 ng

RT: 21.28 min Scan# 1243

Delta R.T. 0.00 min

Lab File: BE093326.D

Acq: 22 Jun 2017 13:23

Instrument :

BNA_E

ClientSampleId :

PB99833BL

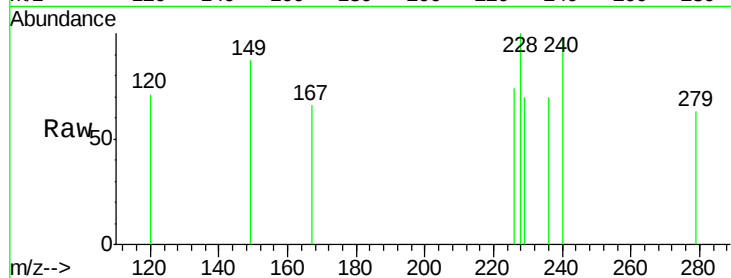
Tgt Ion:228 Resp: 109

Ion Ratio Lower Upper

228 100

226 74.3 21.5 32.3#

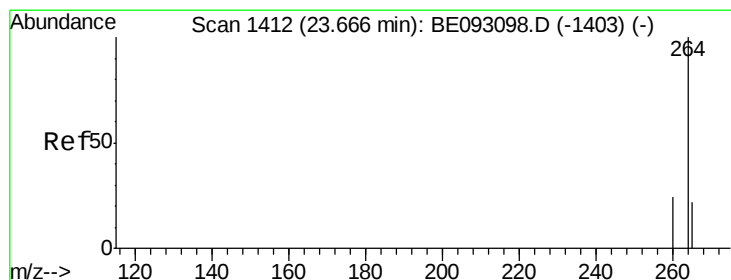
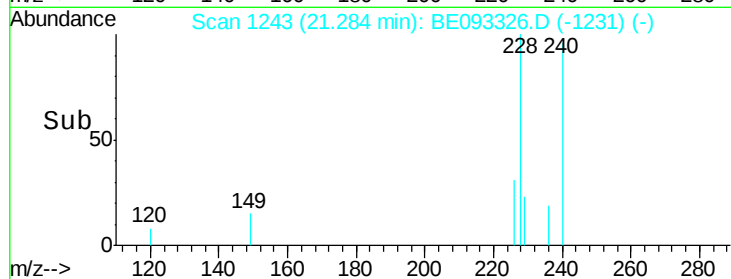
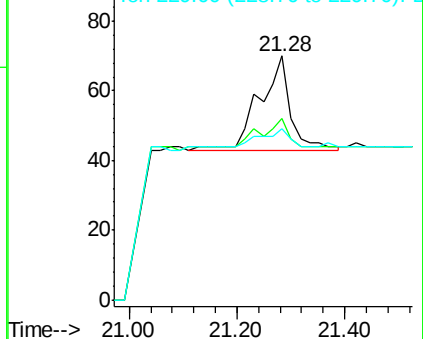
229 70.0 18.6 28.0#



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



#34

Perylene-d12

Concen: 0.40 ng

RT: 23.67 min Scan# 1412

Delta R.T. 0.00 min

Lab File: BE093326.D

Acq: 22 Jun 2017 13:23

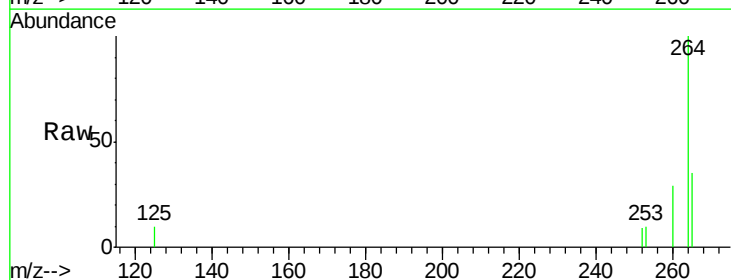
Tgt Ion:264 Resp: 1065

Ion Ratio Lower Upper

264 100

260 29.3 21.0 31.4

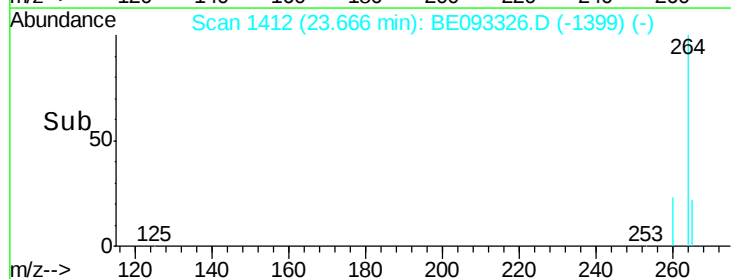
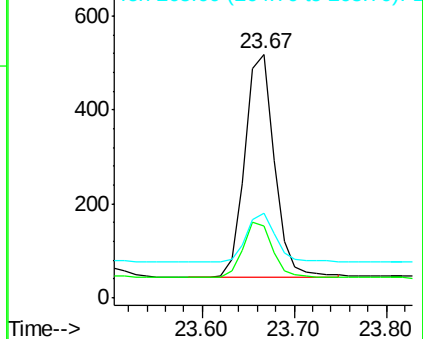
265 34.9 24.6 36.8

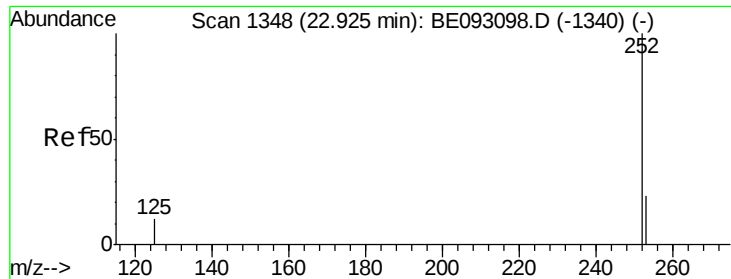


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

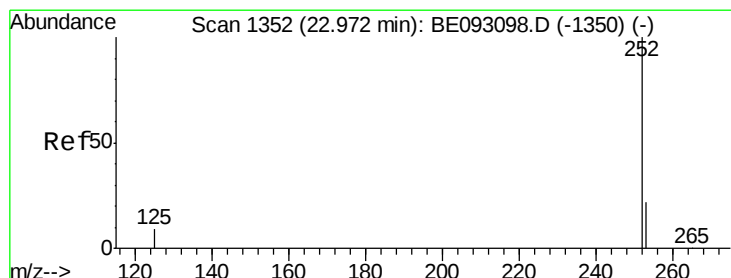
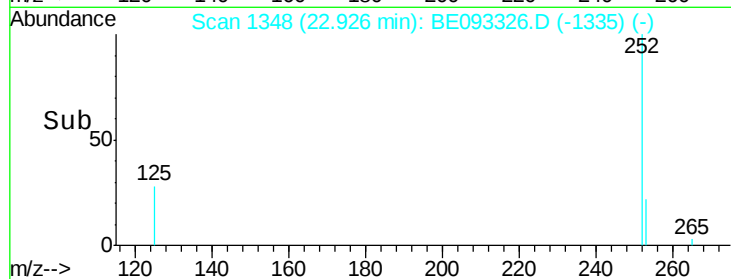
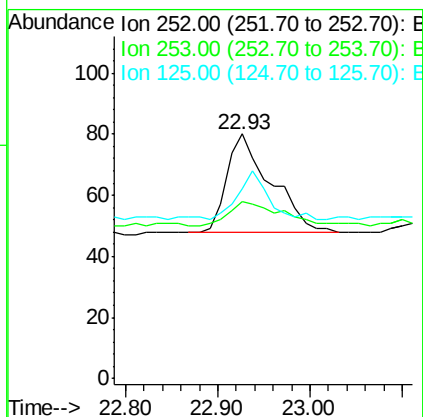
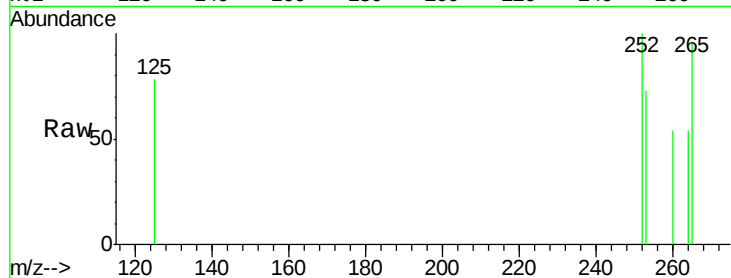




#35
Benzo(b)fluoranthene
Concen: 0.03 ng
RT: 22.93 min Scan# 1348
Delta R.T. 0.00 min
Lab File: BE093326.D
Acq: 22 Jun 2017 13:23

Instrument :
BNA_E
ClientSampleId :
PB99833BL

Tgt Ion: 252 Resp: 105
Ion Ratio Lower Upper
252 100
253 72.5 18.5 27.7#
125 77.5 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: BE093326.D
Acq: 22 Jun 2017 13:23

Tgt Ion: 252 Resp: 105
Ion Ratio Lower Upper
252 100
253 72.5 20.3 30.5#
125 77.5 12.2 18.4#

