

Data File : BE093327.D
Acq On : 22 Jun 2017 14:20
Operator : SJ/JU
Sample : PB99833BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PB99833BS

Quant Time: Jun 23 07:11:31 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	206	0.40	ng	-0.02
7) Naphthalene-d8	10.51	136	909	0.40	ng	-0.02
13) Acenaphthene-d10	14.37	164	407	0.40	ng	0.00
19) Phenanthrene-d10	17.13	188	747	0.40	ng	0.00
27) Chrysene-d12	21.25	240	1235	0.40	ng	-0.02
34) Perylene-d12	23.67	264	1064	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.35	112	239	0.39	ng	0.00
5) Phenol-d6	6.90	99	818	0.92	ng	0.00
8) Nitrobenzene-d5	8.88	82	283	0.39	ng	0.00
11) 2-Methylnaphthalene-d10	12.10	152	464	0.34	ng	-0.01
14) 2,4,6-Tribromophenol	15.85	330	46	0.50	ng	0.00
15) 2-Fluorobiphenyl	12.99	172	629	0.36	ng	0.00
25) Fluoranthene-d10	19.11	212	859	0.35	ng	0.00
29) Terphenyl-d14	19.72	244	778	0.33	ng	0.00

Target Compounds						Qvalue
2) 1,4-Dioxane	3.30	88	99	0.22	ng	# 22
3) n-Nitrosodimethylamine	3.59	42	130	0.33	ng	# 98
6) bis(2-Chloroethyl)ether	7.15	93	260	0.33	ng	# 98
9) Naphthalene	10.56	128	776	0.32	ng	# 87
10) Hexachlorobutadiene	10.87	225	107	0.32	ng	98
12) 2-Methylnaphthalene	12.18	142	487	0.32	ng	96
16) Acenaphthylene	14.08	152	2422	0.34	ng	100
17) Acenaphthene	14.42	154	437	0.33	ng	92
18) Fluorene	15.41	166	498	0.31	ng	98
20) 4-Bromophenyl-phenylether	16.33	248	133	0.29	ng	92
21) Hexachlorobenzene	16.44	284	124	0.31	ng	# 100
22) Pentachlorophenol	16.79	266	109	0.84	ng	88
23) Phenanthrene	17.16	178	1065	0.32	ng	99
24) Anthracene	17.25	178	943	0.33	ng	99
26) Fluoranthene	19.16	202	3897	0.32	ng	# 99
28) Pyrene	19.51	202	4385	0.29	ng	# 96
30) Benzo(a)anthracene	21.23	228	1195	0.36	ng	# 88
31) Chrysene	21.28	228	1174	0.33	ng	# 88
32) Bis(2-ethylhexyl)phthalate	21.16	149	372	0.27	ng	# 99
33) Indeno(1,2,3-cd)pyrene	26.17	276	4860	0.37	ng	99
35) Benzo(b)fluoranthene	22.93	252	1249	0.37	ng	# 90
36) Benzo(k)fluoranthene	22.97	252	1044	0.32	ng	# 93
37) Benzo(a)pyrene	23.55	252	989	0.33	ng	# 89
38) Dibenzo(a,h)anthracene	26.20	278	1011	0.33	ng	# 91
39) Benzo(g,h,i)perylene	26.95	276	4120	0.33	ng	# 87

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

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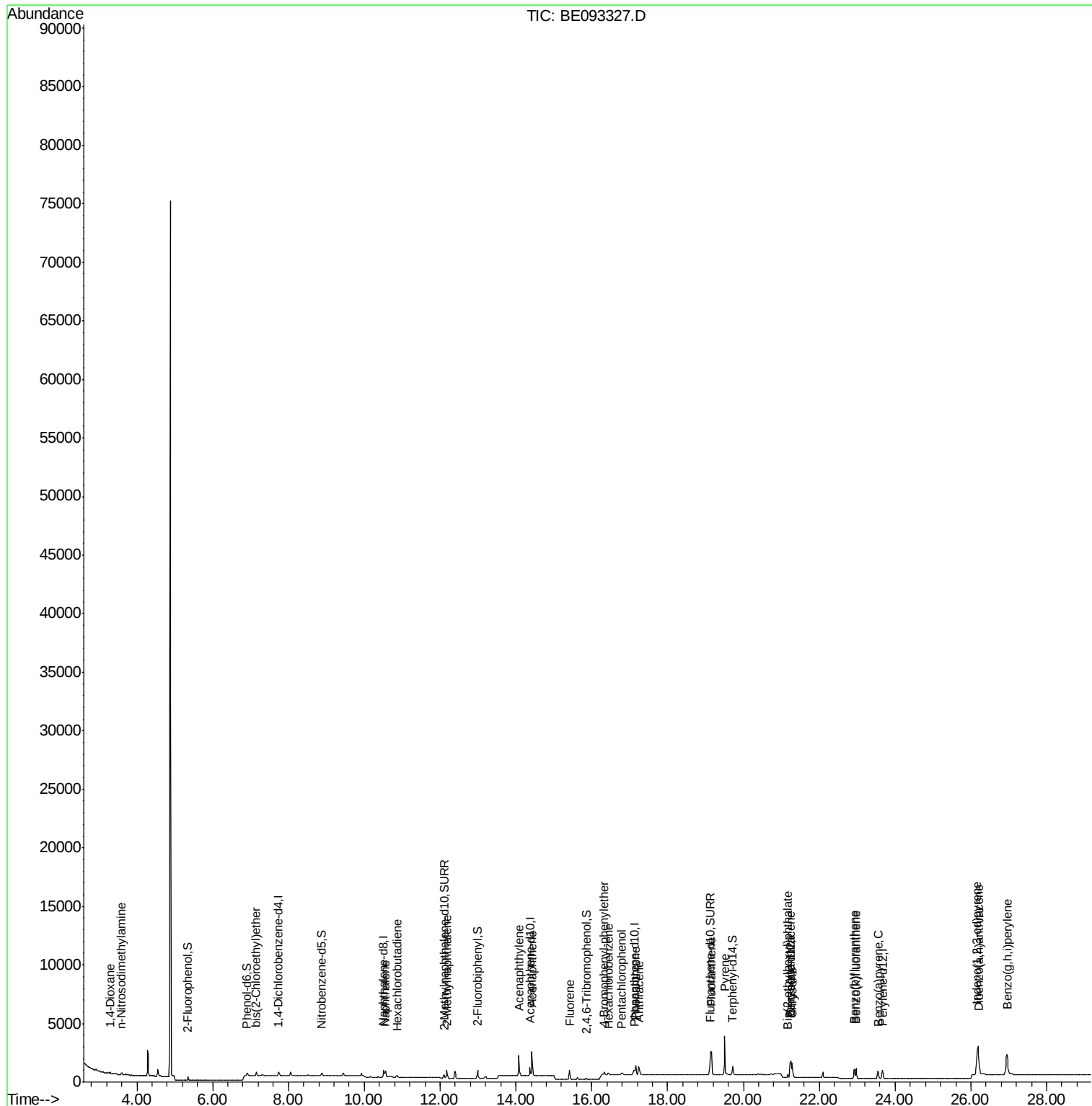
Quant Time: Jun 23 07:11:31 2017

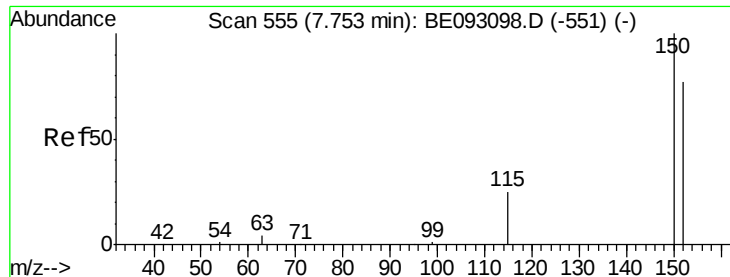
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE061217.M

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QLast Update : Mon Jun 12 14:07:54 2017

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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

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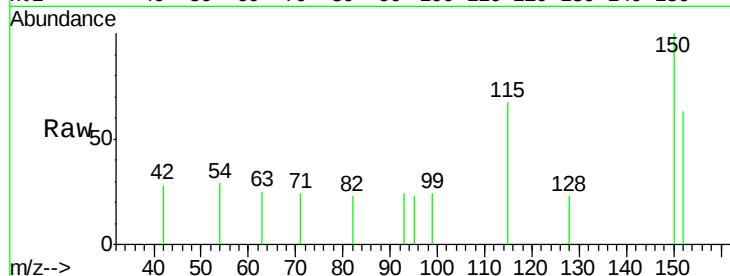
Tgt Ion: 152 Resp: 206

Ion Ratio Lower Upper

152 100

150 158.3 125.1 187.7

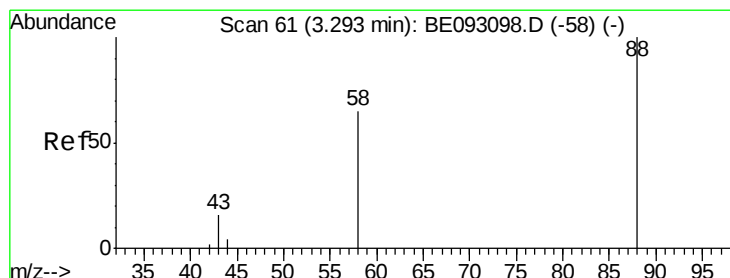
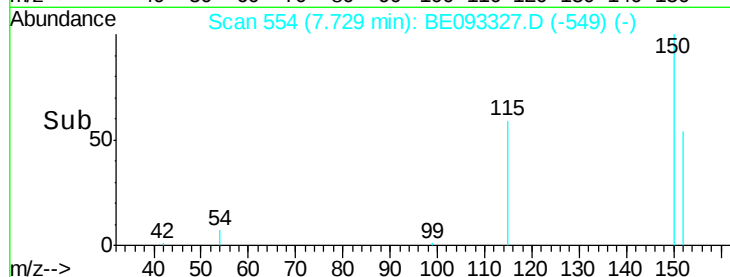
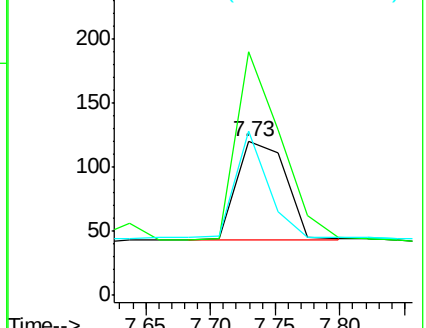
115 106.7 55.7 83.5#



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



#2

1,4-Dioxane

Concen: 0.22 ng

RT: 3.30 min Scan# 62

Delta R.T. 0.01 min

Lab File: BE093327.D

Acq: 22 Jun 2017 14:20

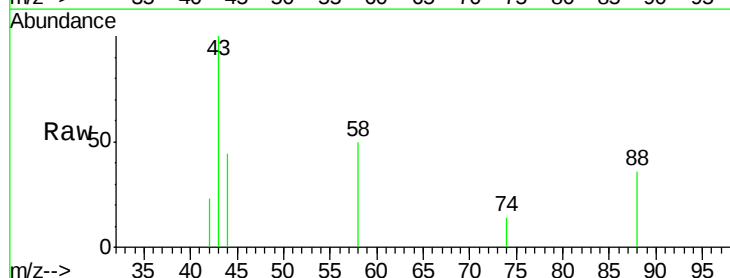
Tgt Ion: 88 Resp: 99

Ion Ratio Lower Upper

88 100

58 111.1 62.2 93.4#

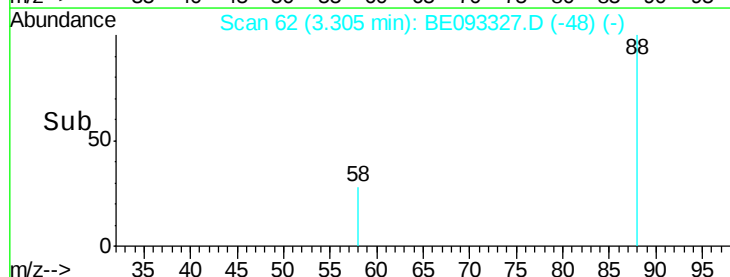
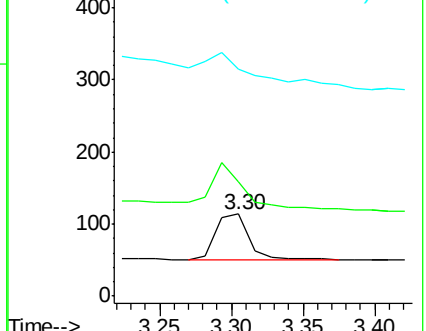
43 127.3 23.2 34.8#

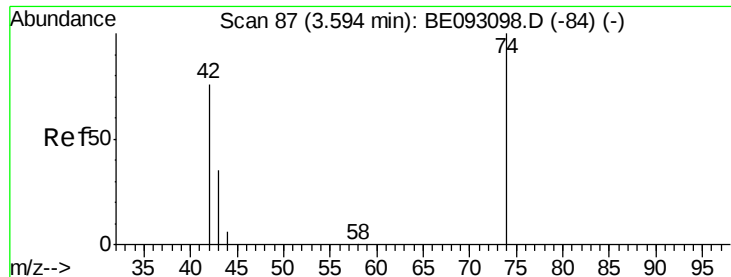


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.33 ng

RT: 3.59 min Scan# 87

Delta R.T. 0.00 min

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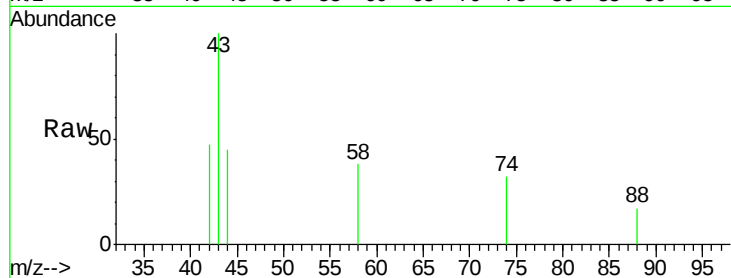
Tgt Ion: 42 Resp: 130

Ion Ratio Lower Upper

42 100

74 124.6 99.1 148.7

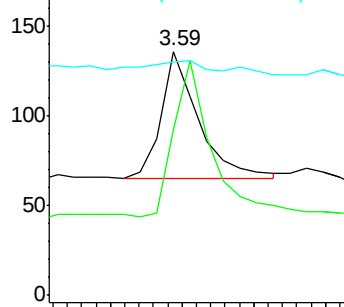
44 16.9 7.4 11.2#



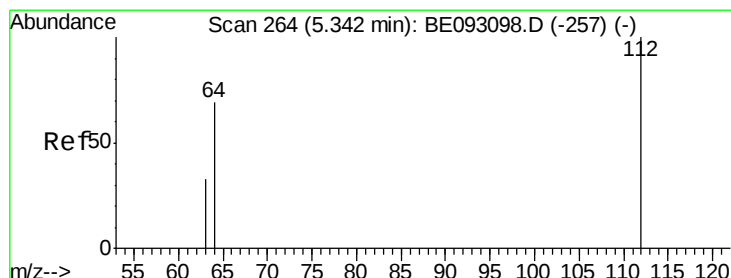
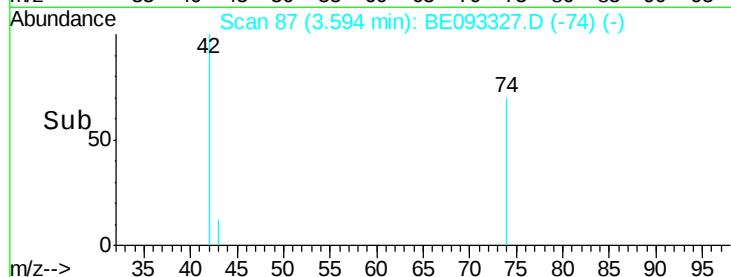
Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0



Time-->



#4

2-Fluorophenol

Concen: 0.39 ng

RT: 5.35 min Scan# 265

Delta R.T. 0.01 min

Lab File: BE093327.D

Acq: 22 Jun 2017 14:20

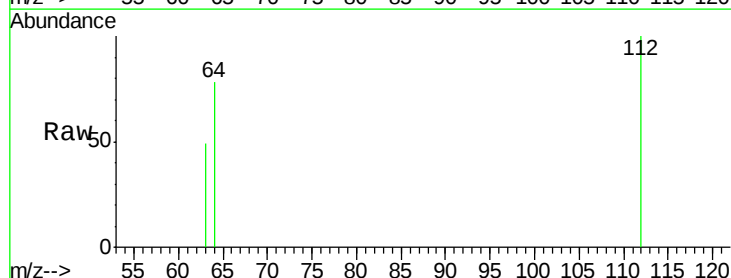
Tgt Ion: 112 Resp: 239

Ion Ratio Lower Upper

112 100

64 72.4 56.4 84.6

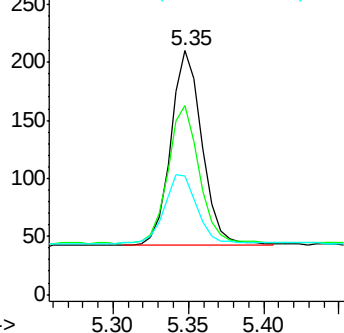
63 36.8 29.3 43.9



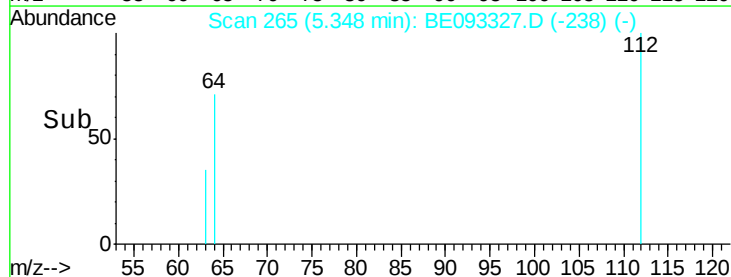
Abundance Ion 112.00 (111.70 to 112.70): E

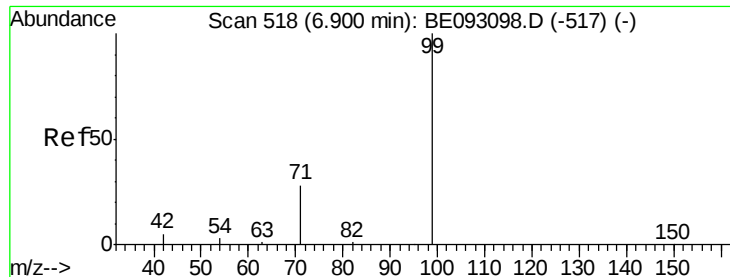
Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0



Time-->





#5

Phenol-d6

Concen: 0.92 ng

RT: 6.90 min Scan# 518

Delta R.T. -0.00 min

Lab File: BE093327.D

Acq: 22 Jun 2017 14:20

Instrument :

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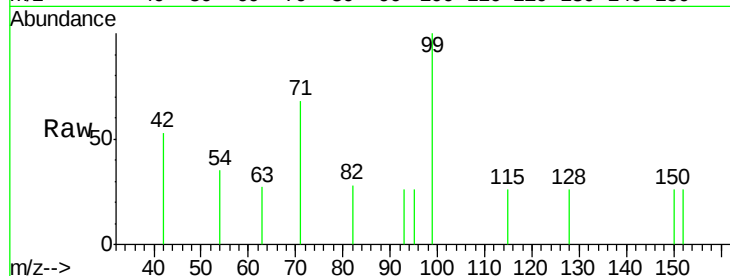
Tgt Ion: 99 Resp: 818

Ion Ratio Lower Upper

99 100

42 73.1 0.0 0.0#

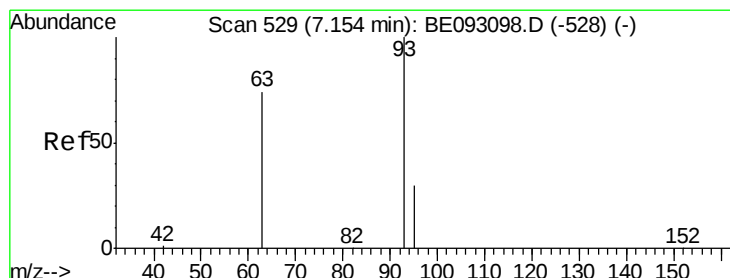
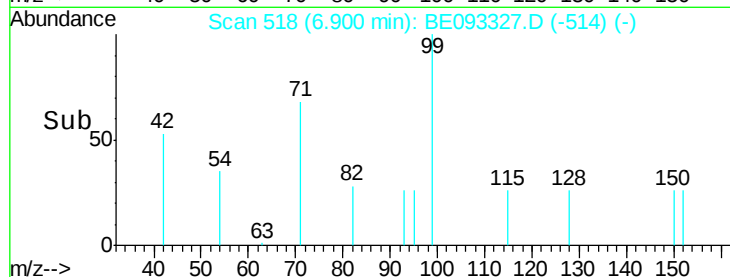
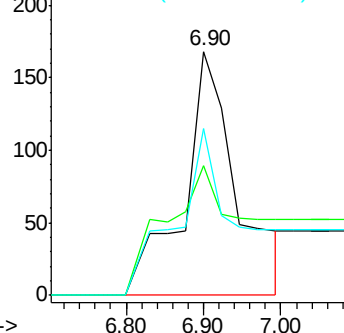
71 70.8 0.0 0.0#



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



#6

bis(2-Chloroethyl)ether

Concen: 0.33 ng

RT: 7.15 min Scan# 529

Delta R.T. -0.00 min

Lab File: BE093327.D

Acq: 22 Jun 2017 14:20

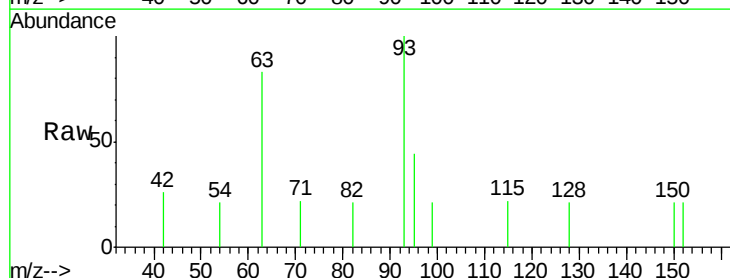
Tgt Ion: 93 Resp: 260

Ion Ratio Lower Upper

93 100

63 83.8 0.0 0.0#

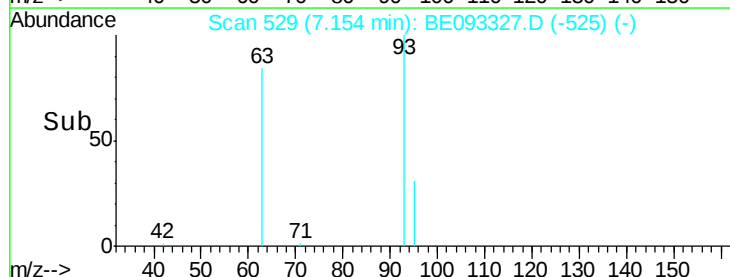
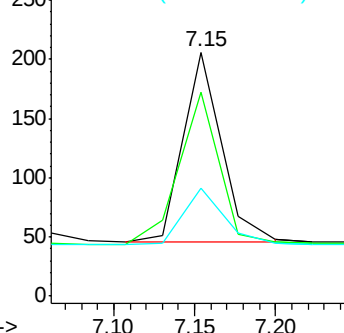
95 30.8 25.4 38.0

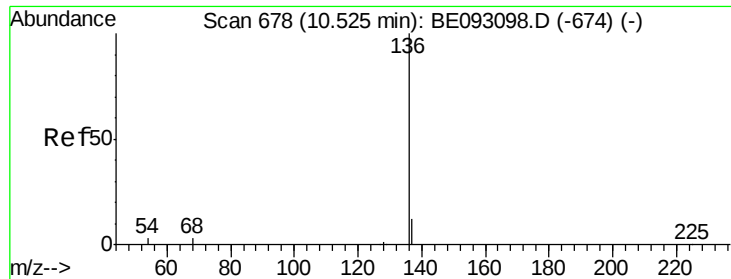


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 0.40 ng

RT: 10.51 min Scan# 677

Delta R.T. -0.02 min

Lab File: BE093327.D

Acq: 22 Jun 2017 14:20

Instrument :

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ClientSampleId :

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Tgt Ion: 136 Resp: 909

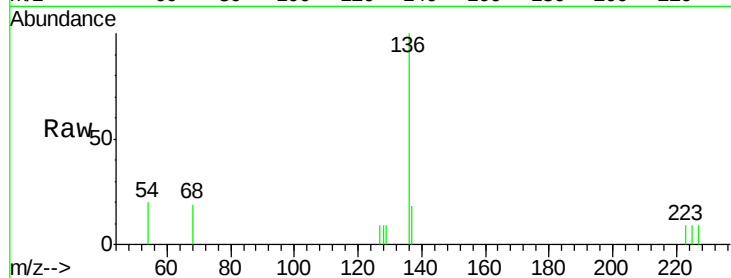
Ion Ratio Lower Upper

136 100

137 18.0 9.8 14.8#

54 20.0 10.3 15.5#

68 18.8 9.0 13.4#

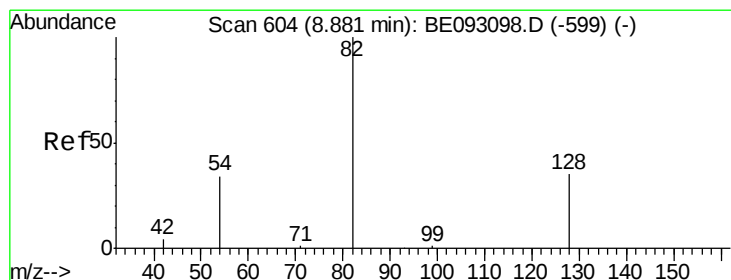
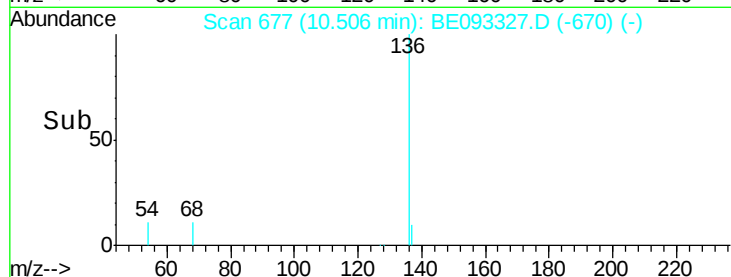
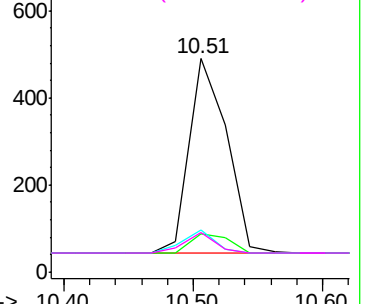


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.39 ng

RT: 8.88 min Scan# 604

Delta R.T. -0.00 min

Lab File: BE093327.D

Acq: 22 Jun 2017 14:20

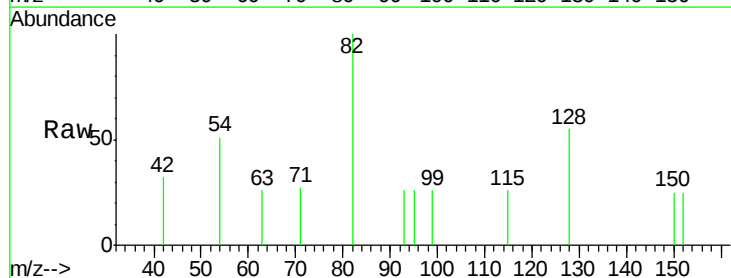
Tgt Ion: 82 Resp: 283

Ion Ratio Lower Upper

82 100

128 54.7 17.0 25.4#

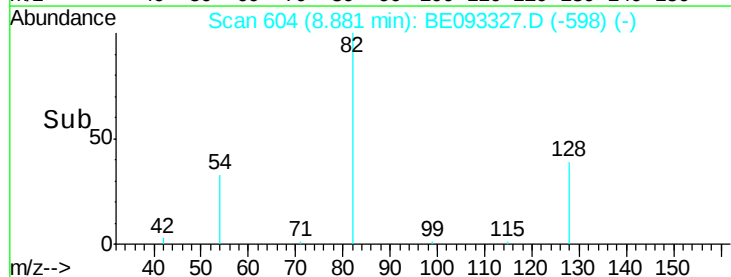
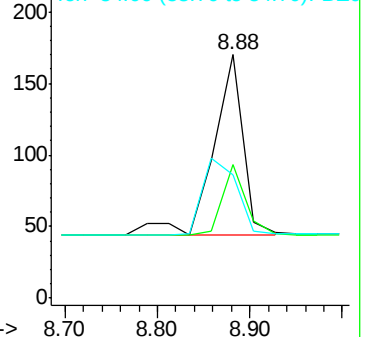
54 50.6 53.8 80.6#

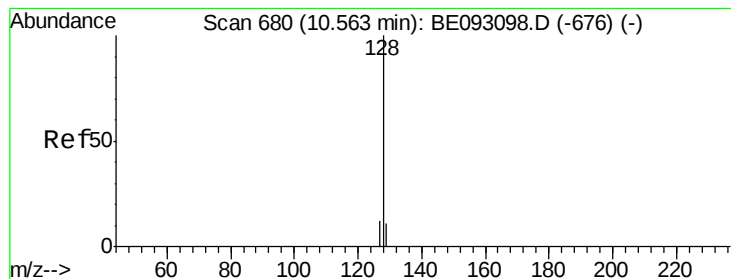


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.32 ng

RT: 10.56 min Scan# 680

Delta R.T. -0.00 min

Lab File: BE093327.D

Acq: 22 Jun 2017 14:20

Instrument :

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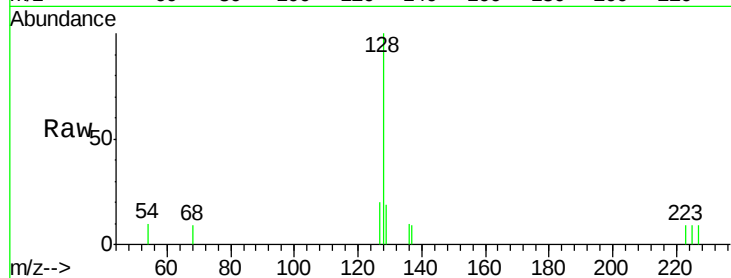
Tgt Ion:128 Resp: 776

Ion Ratio Lower Upper

128 100

129 19.5 11.4 17.0#

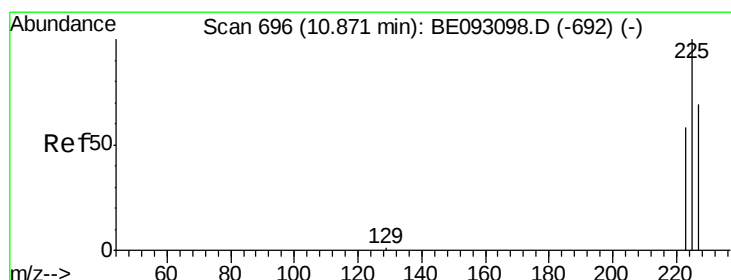
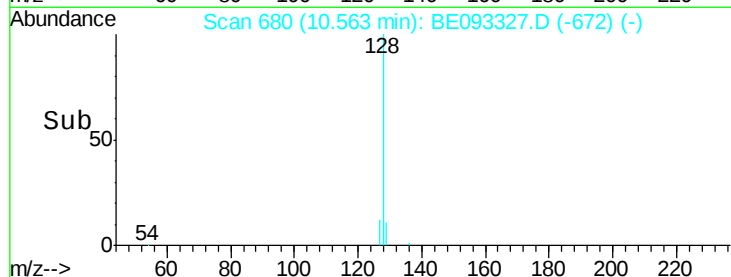
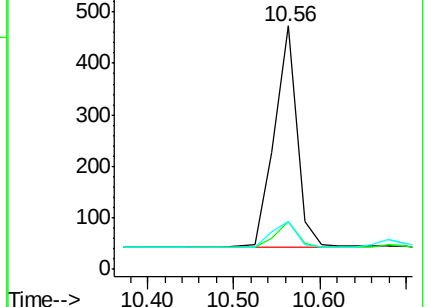
127 19.7 11.2 16.8#



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



#10

Hexachlorobutadiene

Concen: 0.32 ng

RT: 10.87 min Scan# 696

Delta R.T. -0.00 min

Lab File: BE093327.D

Acq: 22 Jun 2017 14:20

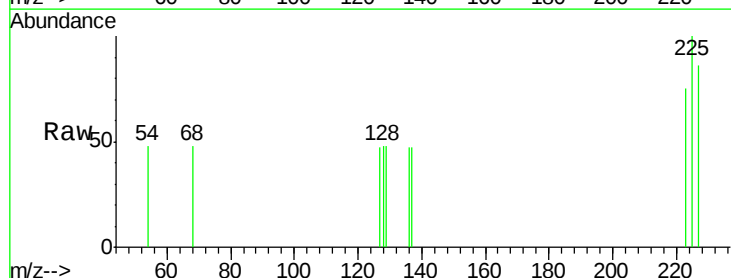
Tgt Ion:225 Resp: 107

Ion Ratio Lower Upper

225 100

223 64.5 49.7 74.5

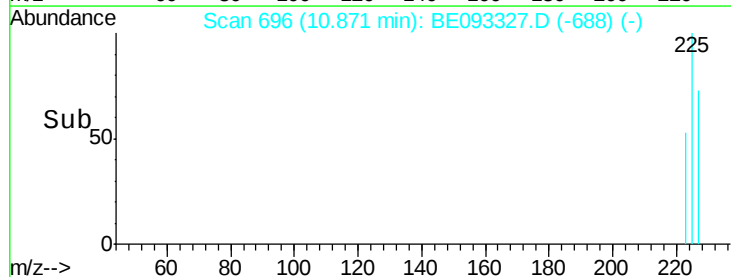
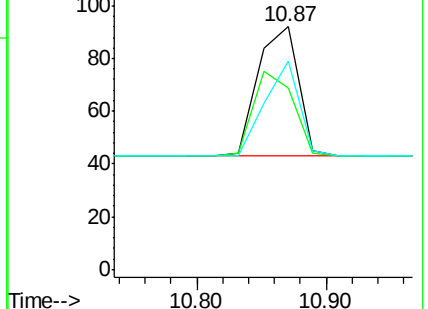
227 62.6 50.3 75.5

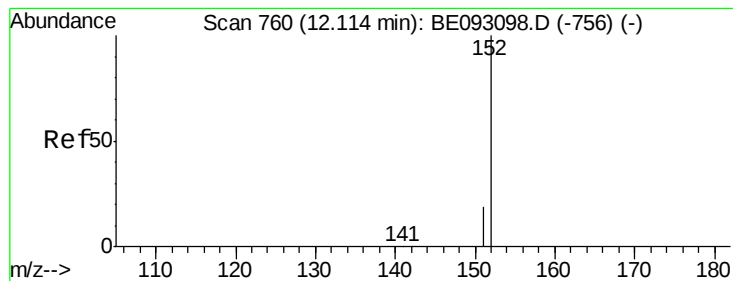


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.34 ng

RT: 12.10 min Scan# 759

Delta R.T. -0.01 min

Lab File: BE093327.D

Acq: 22 Jun 2017 14:20

Instrument :

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ClientSampleId :

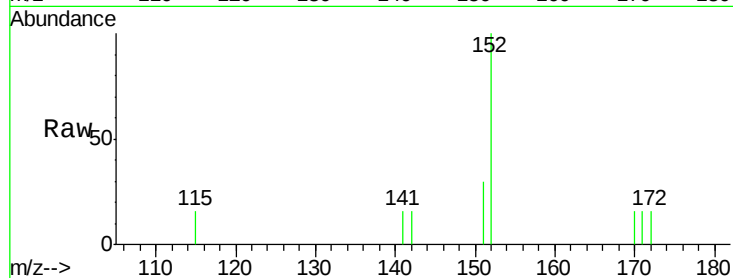
PB99833BS

Tgt Ion:152 Resp: 464

Ion Ratio Lower Upper

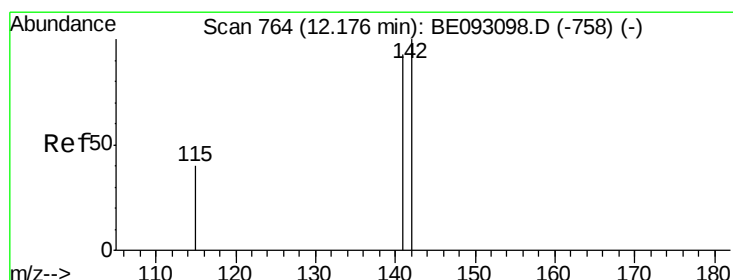
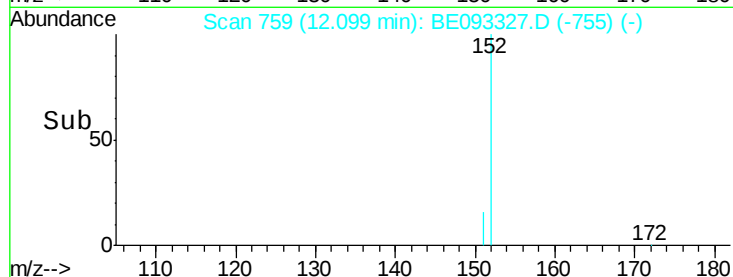
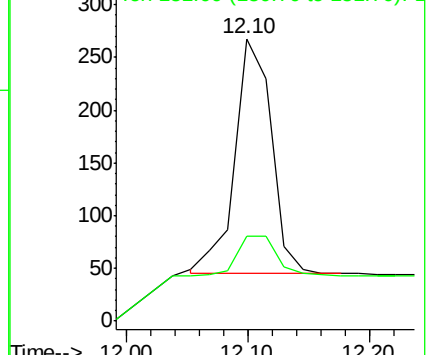
152 100

151 18.1 15.1 22.7



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.32 ng

RT: 12.18 min Scan# 764

Delta R.T. 0.00 min

Lab File: BE093327.D

Acq: 22 Jun 2017 14:20

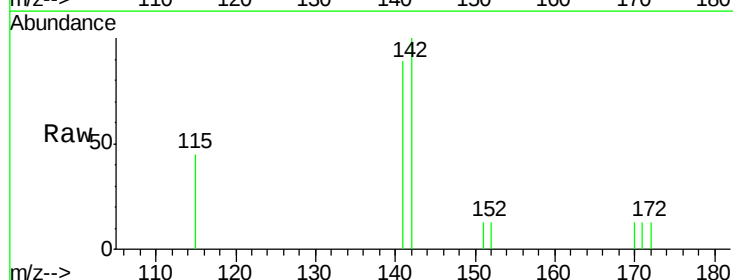
Tgt Ion:142 Resp: 487

Ion Ratio Lower Upper

142 100

141 89.1 72.6 108.8

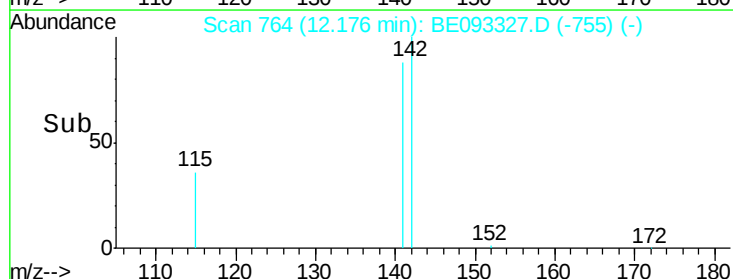
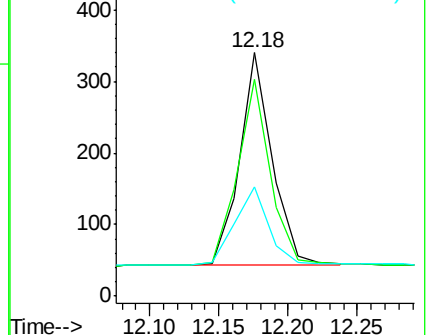
115 45.0 32.2 48.2

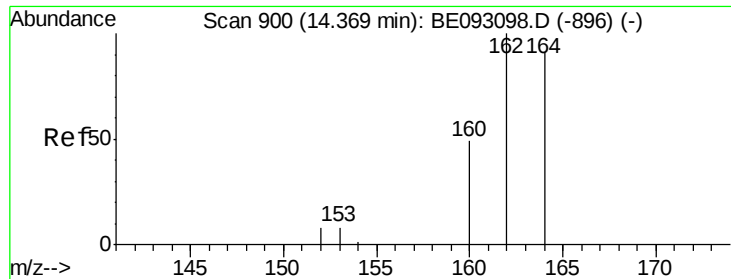


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#13

Acenaphthene-d10

Concen: 0.40 ng

RT: 14.37 min Scan# 900

Delta R.T. 0.00 min

Lab File: BE093327.D

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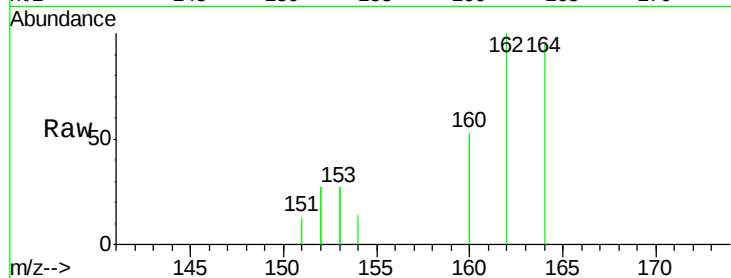
Tgt Ion:164 Resp: 407

Ion Ratio Lower Upper

164 100

162 104.9 84.6 127.0

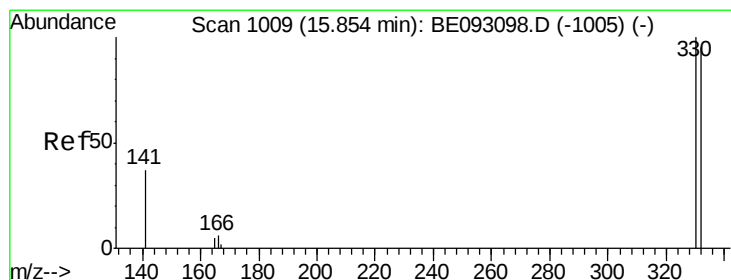
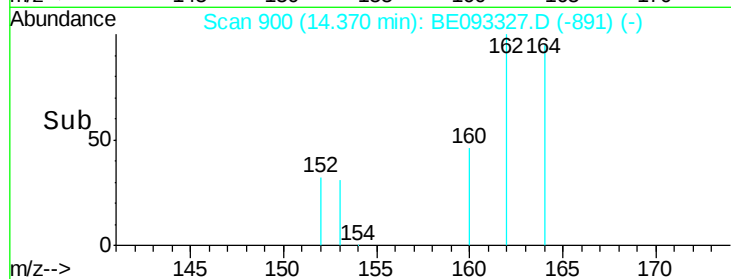
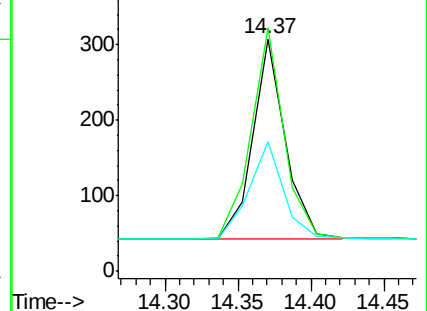
160 55.7 41.8 62.6



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: 0.50 ng

RT: 15.85 min Scan# 1009

Delta R.T. 0.00 min

Lab File: BE093327.D

Acq: 22 Jun 2017 14:20

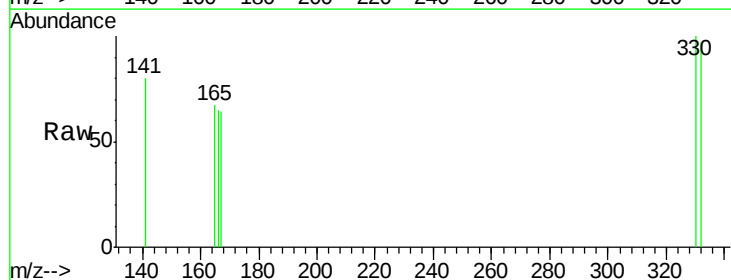
Tgt Ion:330 Resp: 46

Ion Ratio Lower Upper

330 100

332 87.0 77.7 116.5

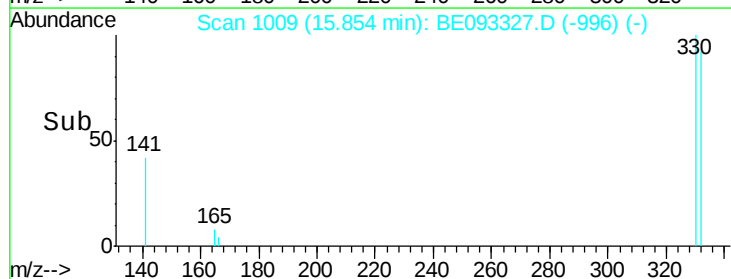
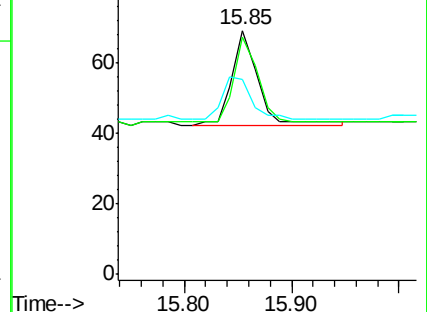
141 47.8 56.2 84.4#

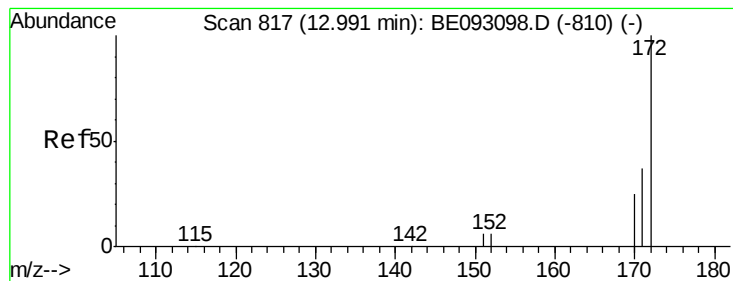


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

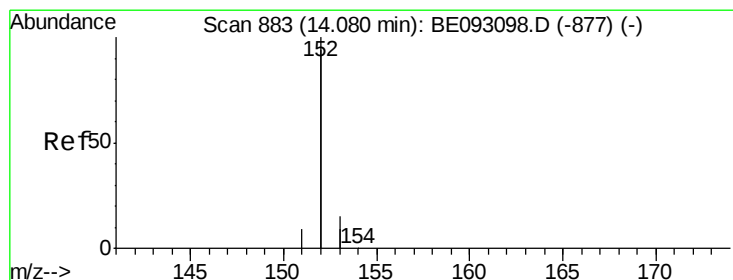
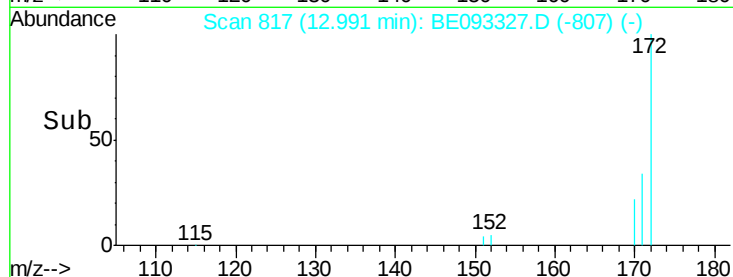
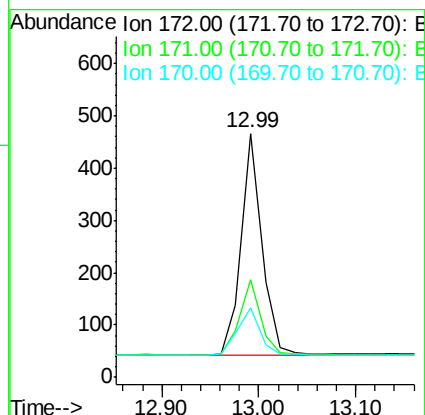
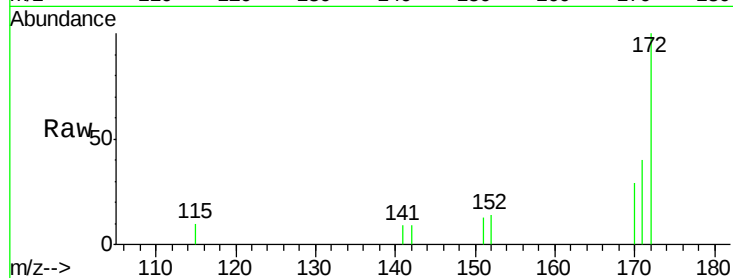




#15
2-Fluorobiphenyl
Concen: 0.36 ng
RT: 12.99 min Scan# 817
Delta R.T. 0.00 min
Lab File: BE093327.D
Acq: 22 Jun 2017 14:20

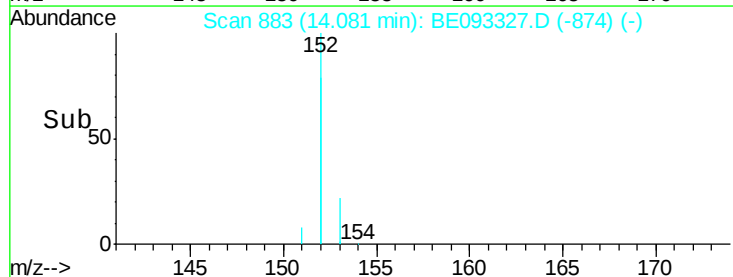
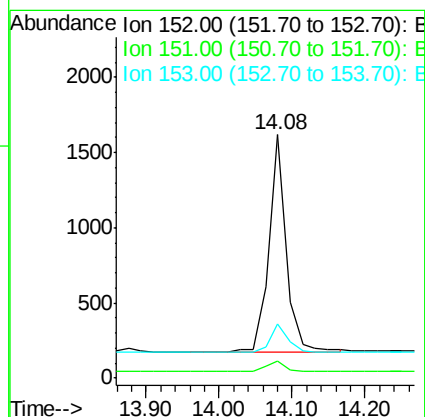
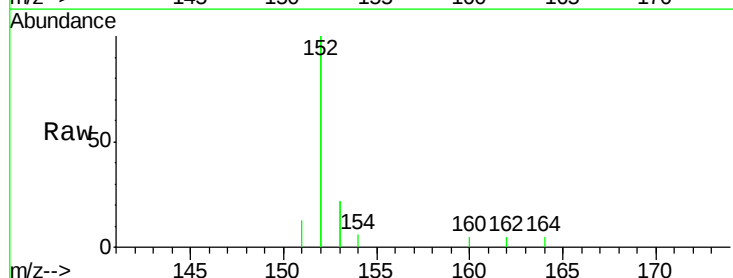
Instrument :
BNA_E
ClientSampleId :
PB99833BS

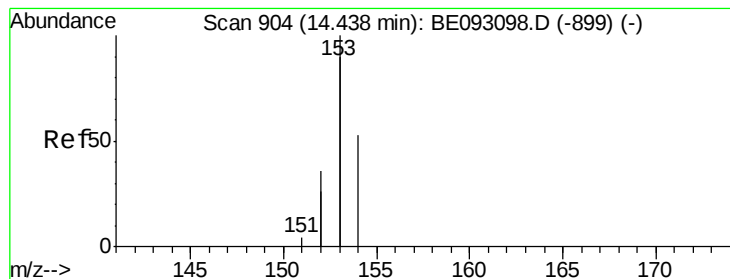
Tgt Ion:172 Resp: 629
Ion Ratio Lower Upper
172 100
171 39.9 29.8 44.6
170 28.8 20.7 31.1



#16
Acenaphthylene
Concen: 0.34 ng
RT: 14.08 min Scan# 883
Delta R.T. 0.00 min
Lab File: BE093327.D
Acq: 22 Jun 2017 14:20

Tgt Ion:152 Resp: 2422
Ion Ratio Lower Upper
152 100
151 4.9 4.0 6.0
153 12.9 10.3 15.5





#17

Acenaphthene

Concen: 0.33 ng

RT: 14.42 min Scan# 903

Delta R.T. -0.02 min

Lab File: BE093327.D

Acq: 22 Jun 2017 14:20

Instrument :

BNA_E

ClientSampleId :

PB99833BS

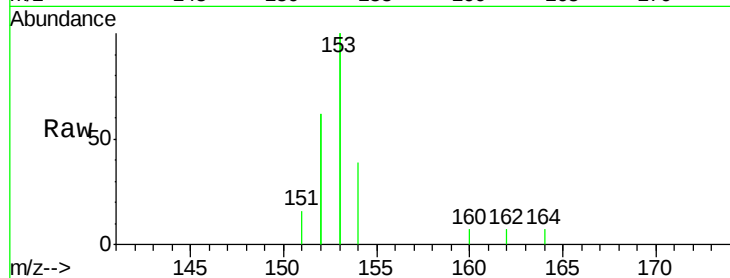
Tgt Ion:154 Resp: 437

Ion Ratio Lower Upper

154 100

153 440.7 367.8 551.6

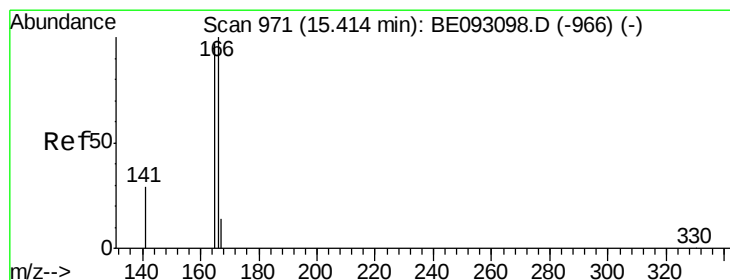
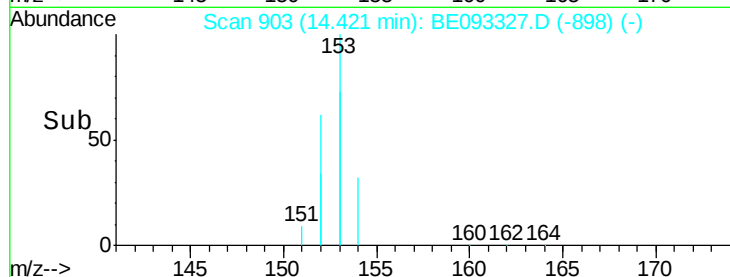
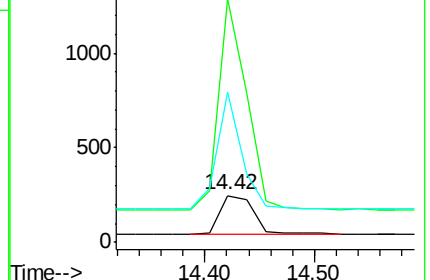
152 220.8 188.2 282.2



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: 0.31 ng

RT: 15.41 min Scan# 971

Delta R.T. 0.00 min

Lab File: BE093327.D

Acq: 22 Jun 2017 14:20

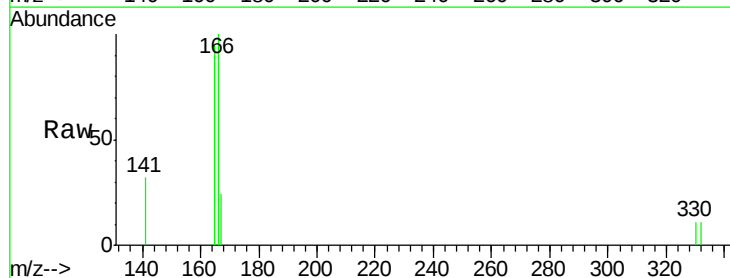
Tgt Ion:166 Resp: 498

Ion Ratio Lower Upper

166 100

165 100.2 78.6 117.8

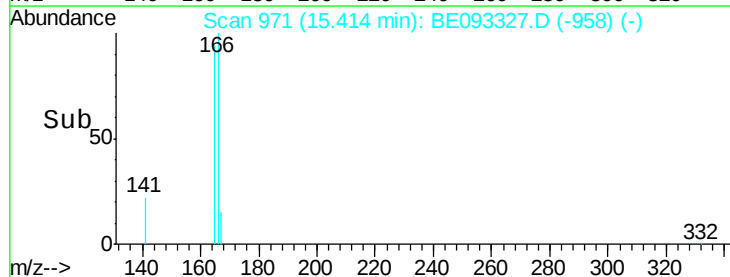
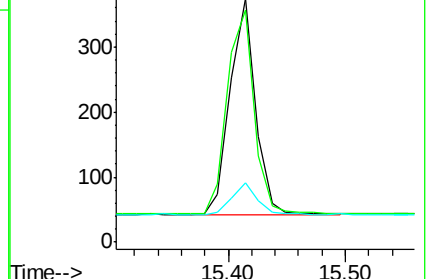
167 14.5 11.1 16.7

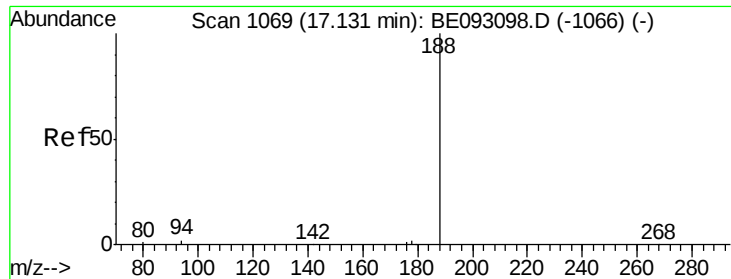


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.40 ng

RT: 17.13 min Scan# 1069

Delta R.T. 0.00 min

Lab File: BE093327.D

Acq: 22 Jun 2017 14:20

Instrument :

BNA_E

ClientSampleId :

PB99833BS

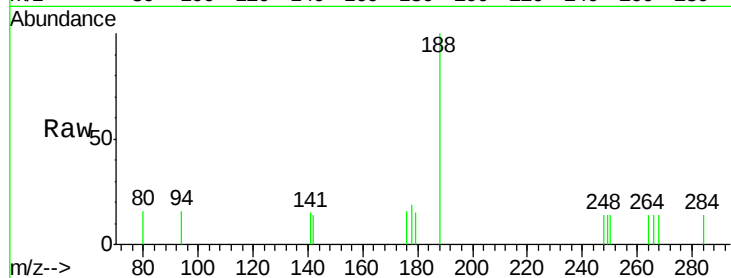
Tgt Ion:188 Resp: 747

Ion Ratio Lower Upper

188 100

94 15.8 11.3 16.9

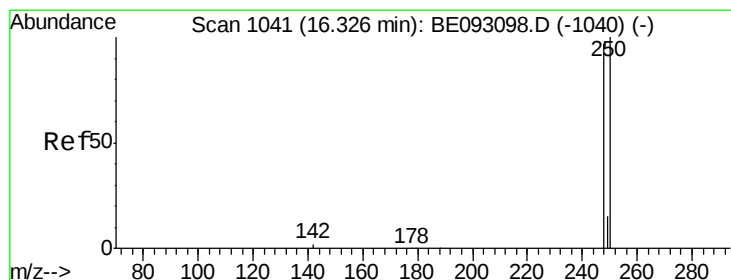
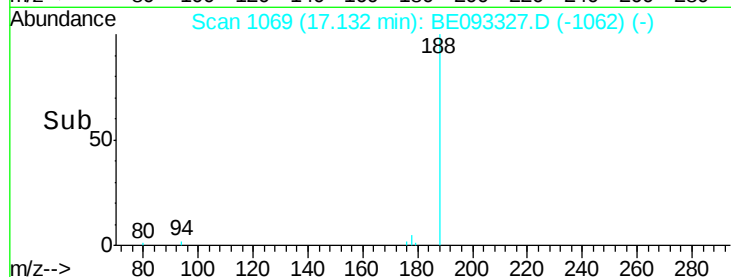
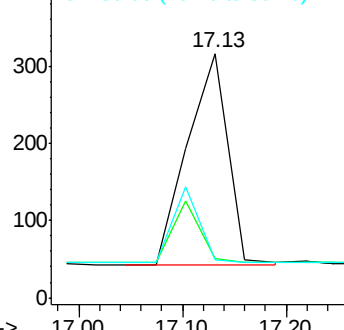
80 15.5 11.7 17.5



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



#20

4-Bromophenyl-phenylether

Concen: 0.29 ng

RT: 16.33 min Scan# 1041

Delta R.T. 0.00 min

Lab File: BE093327.D

Acq: 22 Jun 2017 14:20

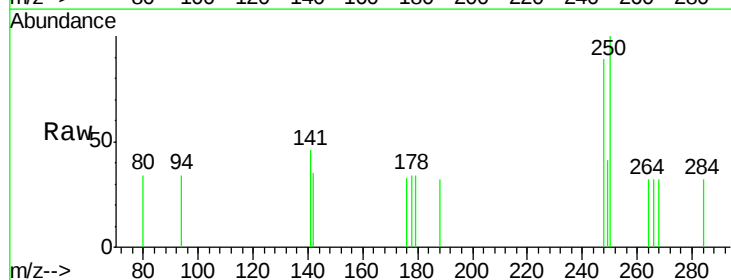
Tgt Ion:248 Resp: 133

Ion Ratio Lower Upper

248 100

250 112.6 100.0 150.0

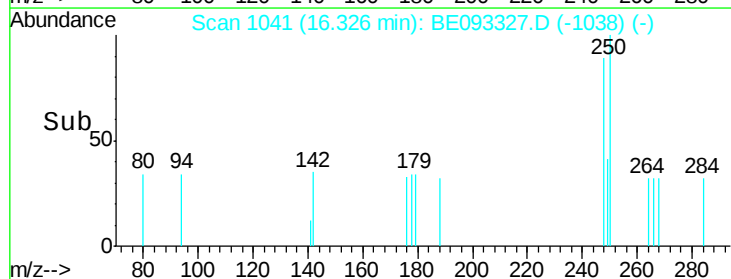
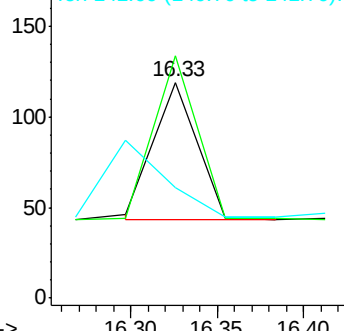
141 51.3 40.0 60.0

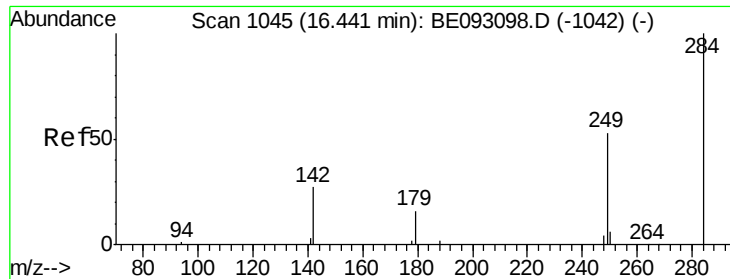


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

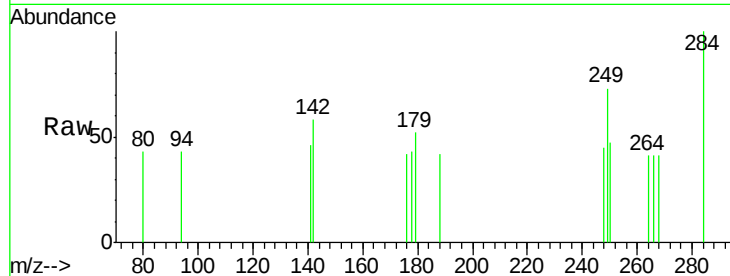




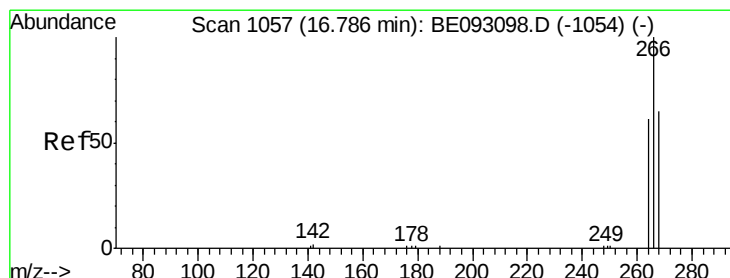
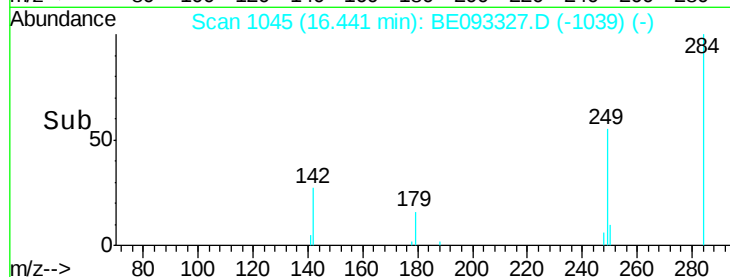
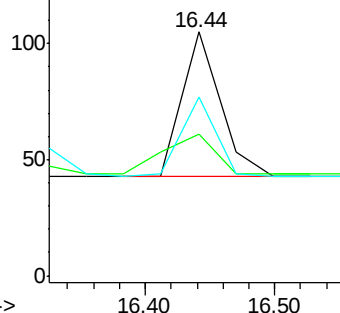
#21
Hexachlorobenzene
Concen: 0.31 ng
RT: 16.44 min Scan# 1045
Delta R.T. 0.00 min
Lab File: BE093327.D
Acq: 22 Jun 2017 14:20

Instrument :
BNA_E
ClientSampleId :
PB99833BS

Tgt Ion: 284 Resp: 124
Ion Ratio Lower Upper
284 100
142 36.3 0.0 0.0#
249 50.0 0.0 0.0#

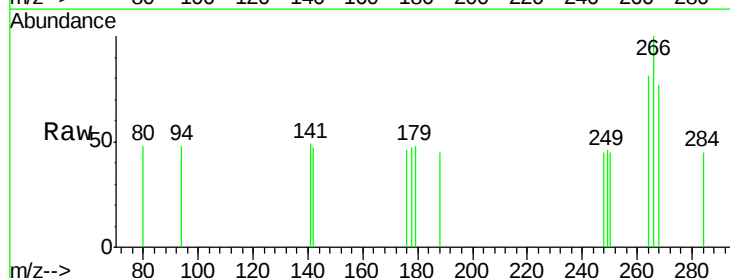


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

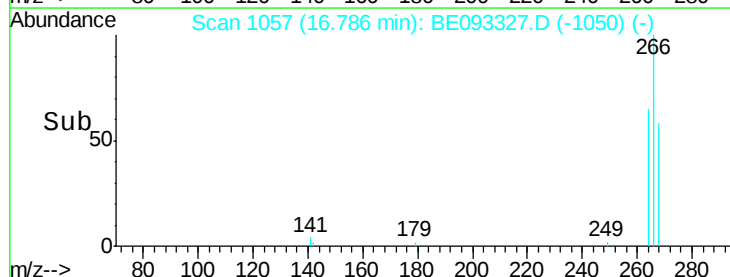
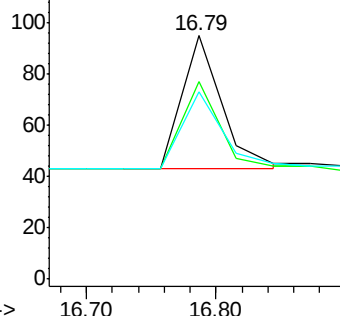


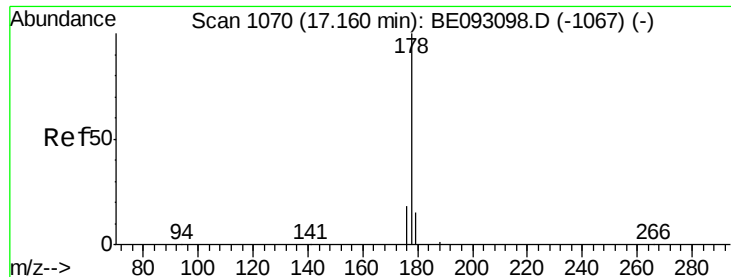
#22
Pentachlorophenol
Concen: 0.84 ng
RT: 16.79 min Scan# 1057
Delta R.T. 0.00 min
Lab File: BE093327.D
Acq: 22 Jun 2017 14:20

Tgt Ion: 266 Resp: 109
Ion Ratio Lower Upper
266 100
264 81.1 58.2 87.2
268 76.8 71.9 107.9



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: 0.32 ng

RT: 17.16 min Scan# 1070

Delta R.T. 0.00 min

Lab File: BE093327.D

Acq: 22 Jun 2017 14:20

Instrument :

BNA_E

ClientSampleId :

PB99833BS

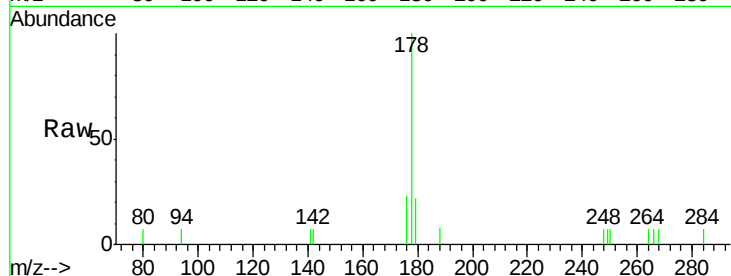
Tgt Ion:178 Resp: 1065

Ion Ratio Lower Upper

178 100

176 17.8 15.0 22.4

179 16.2 12.7 19.1



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

17.16

600

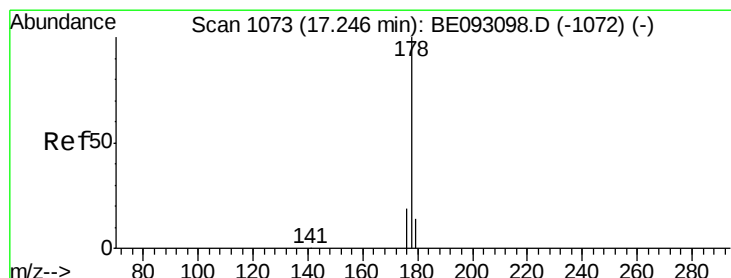
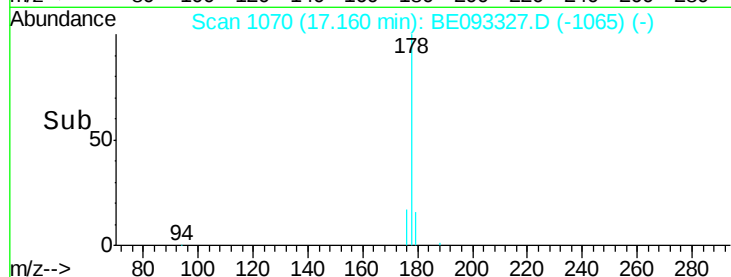
400

200

0

17.10 17.20

Time-->



#24

Anthracene

Concen: 0.33 ng

RT: 17.25 min Scan# 1073

Delta R.T. 0.00 min

Lab File: BE093327.D

Acq: 22 Jun 2017 14:20

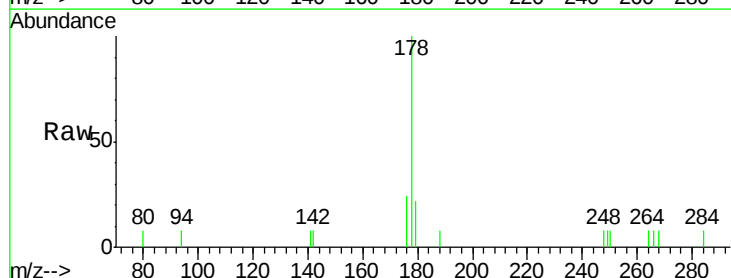
Tgt Ion:178 Resp: 943

Ion Ratio Lower Upper

178 100

176 17.9 14.6 22.0

179 14.6 12.0 18.0



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

17.25

600

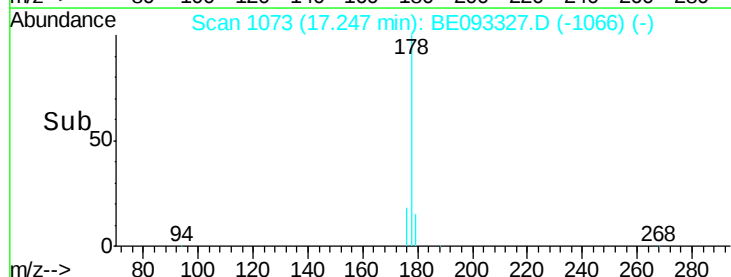
400

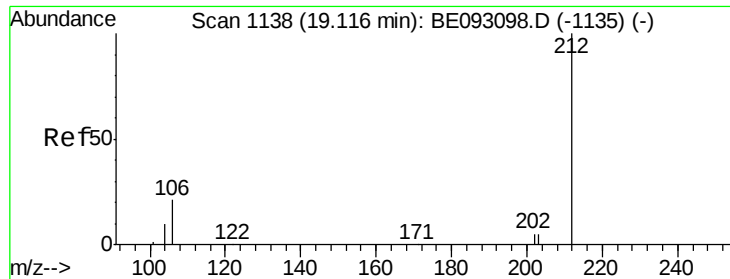
200

0

17.20 17.30

Time-->





#25

Fluoranthene-d10

Concen: 0.35 ng

RT: 19.11 min Scan# 1138

Delta R.T. -0.00 min

Lab File: BE093327.D

Acq: 22 Jun 2017 14:20

Instrument :

BNA_E

ClientSampleId :

PB99833BS

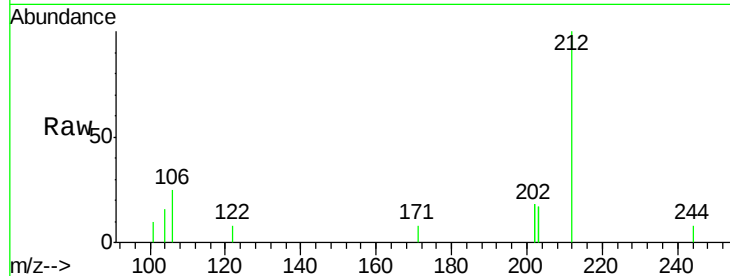
Tgt Ion:212 Resp: 859

Ion Ratio Lower Upper

212 100

106 16.8 0.0 0.0#

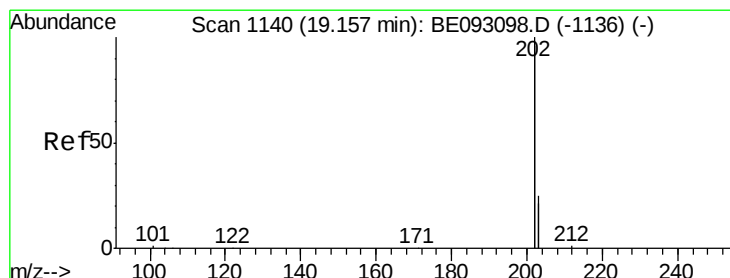
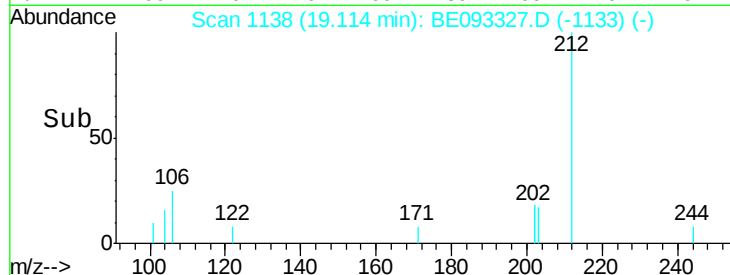
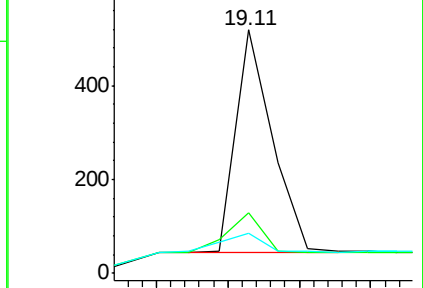
104 9.7 0.0 0.0#



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



#26

Fluoranthene

Concen: 0.32 ng

RT: 19.16 min Scan# 1140

Delta R.T. -0.00 min

Lab File: BE093327.D

Acq: 22 Jun 2017 14:20

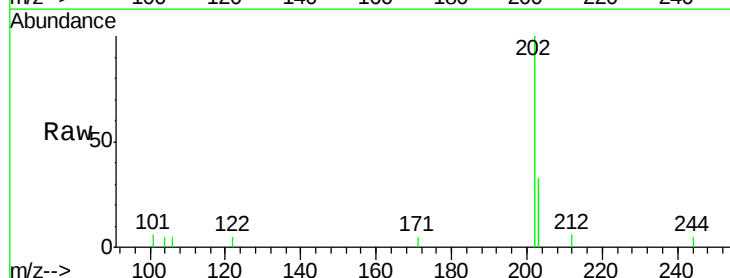
Tgt Ion:202 Resp: 3897

Ion Ratio Lower Upper

202 100

101 0.0 0.0 0.0

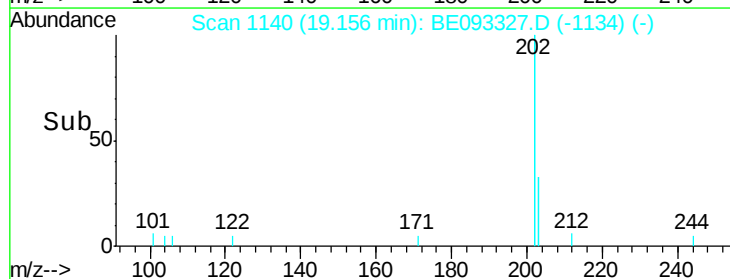
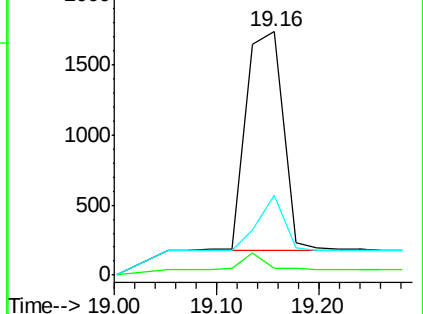
203 18.2 14.4 21.6

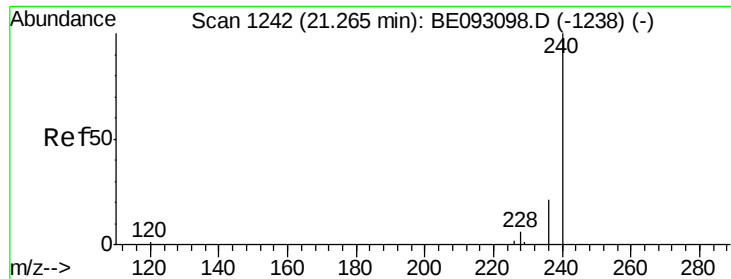


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

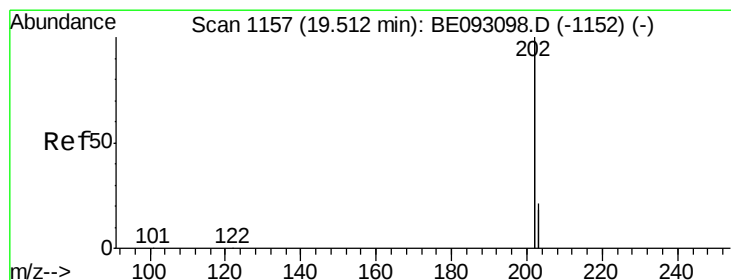
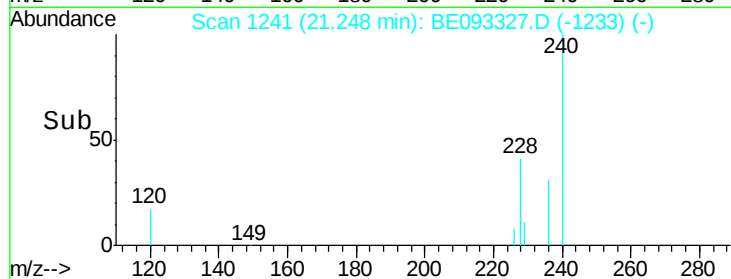
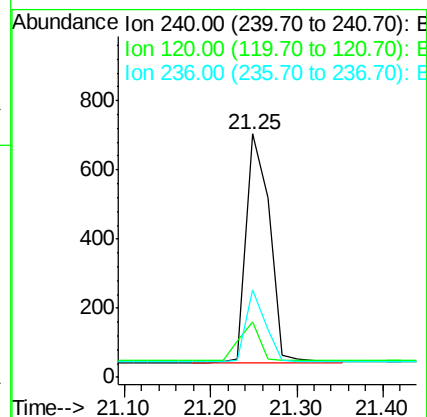
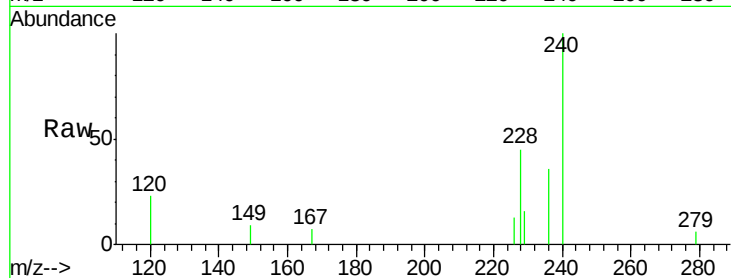




#27
Chrysene-d12
Concen: 0.40 ng
RT: 21.25 min Scan# 1241
Delta R.T. -0.02 min
Lab File: BE093327.D
Acq: 22 Jun 2017 14:20

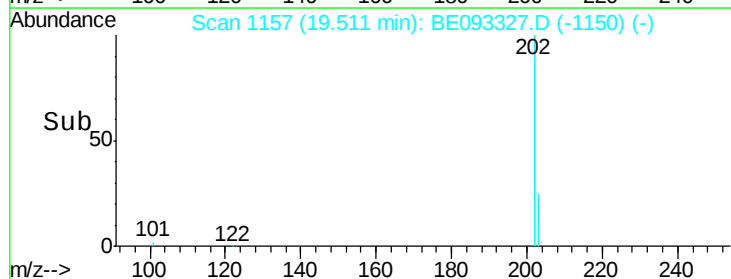
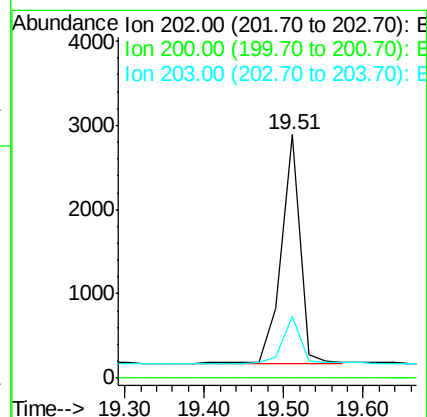
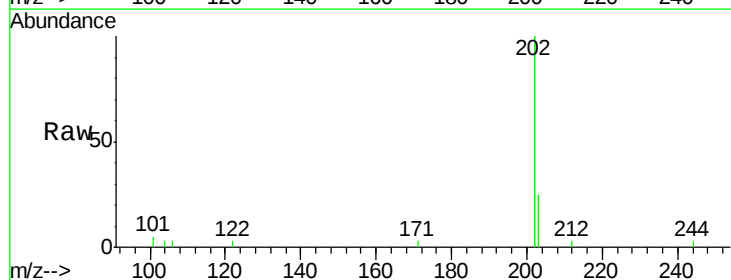
Instrument :
BNA_E
ClientSampleId :
PB99833BS

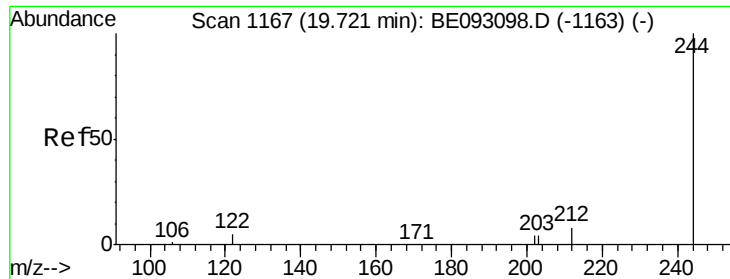
Tgt Ion:240 Resp: 1235
Ion Ratio Lower Upper
240 100
120 23.0 4.6 7.0#
236 35.8 20.8 31.2#



#28
Pyrene
Concen: 0.29 ng
RT: 19.51 min Scan# 1157
Delta R.T. -0.00 min
Lab File: BE093327.D
Acq: 22 Jun 2017 14:20

Tgt Ion:202 Resp: 4385
Ion Ratio Lower Upper
202 100
200 0.0 0.0 0.0
203 18.7 13.7 20.5





#29

Terphenyl-d14

Concen: 0.33 ng

RT: 19.72 min Scan# 1167

Delta R.T. -0.00 min

Lab File: BE093327.D

Acq: 22 Jun 2017 14:20

Instrument :

BNA_E

ClientSampleId :

PB99833BS

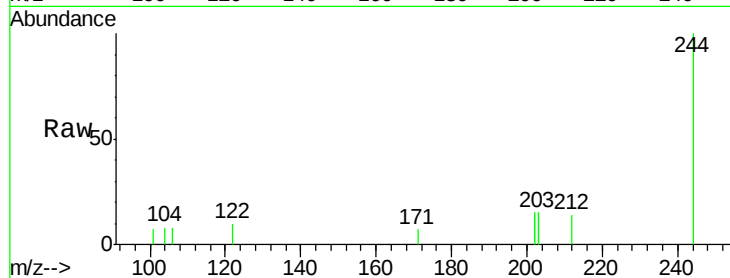
Tgt Ion:244 Resp: 778

Ion Ratio Lower Upper

244 100

212 14.3 10.6 16.0

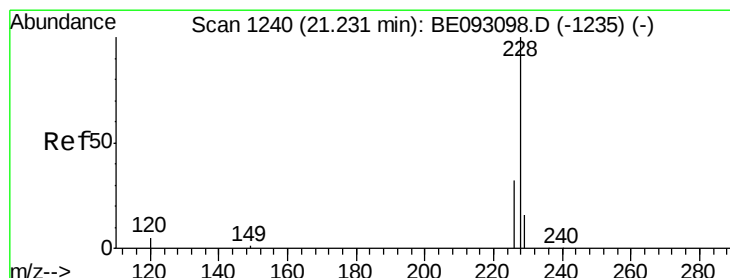
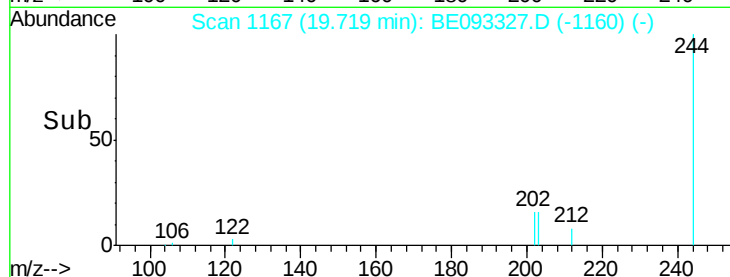
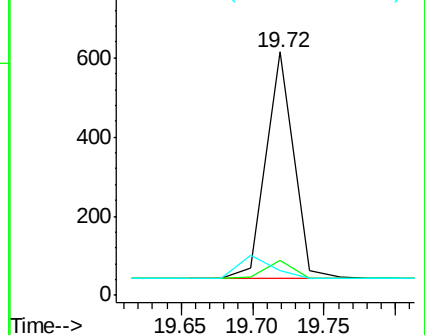
122 10.1 15.4 23.0#



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: 0.36 ng

RT: 21.23 min Scan# 1240

Delta R.T. 0.00 min

Lab File: BE093327.D

Acq: 22 Jun 2017 14:20

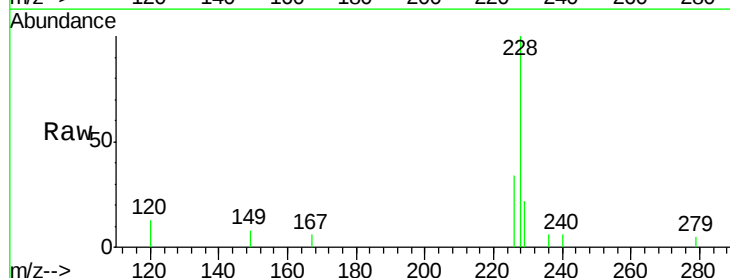
Tgt Ion:228 Resp: 1195

Ion Ratio Lower Upper

228 100

226 33.8 19.7 29.5#

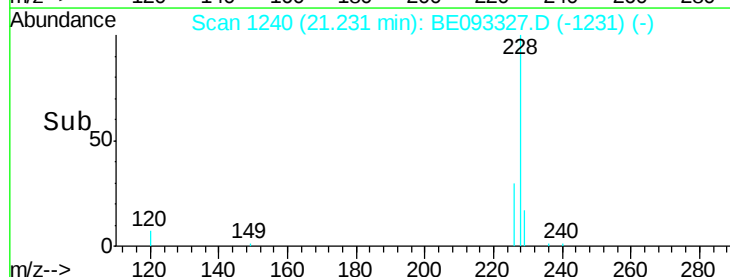
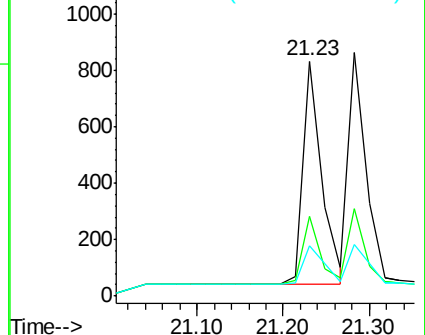
229 21.5 19.2 28.8

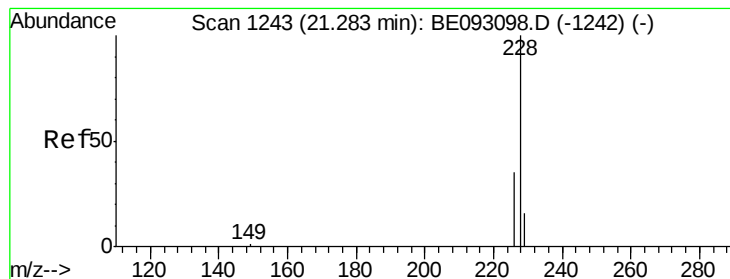


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.33 ng

RT: 21.28 min Scan# 1243

Delta R.T. 0.00 min

Lab File: BE093327.D

Acq: 22 Jun 2017 14:20

Instrument :

BNA_E

ClientSampleId :

PB99833BS

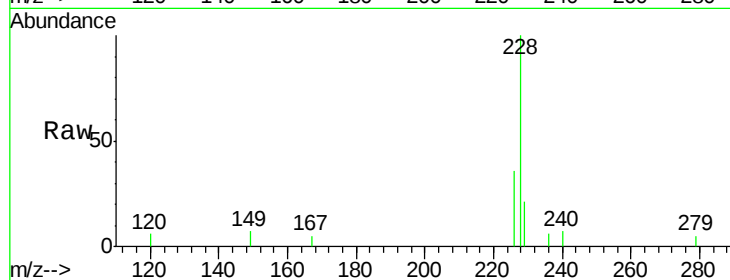
Tgt Ion:228 Resp: 1174

Ion Ratio Lower Upper

228 100

226 36.2 21.5 32.3#

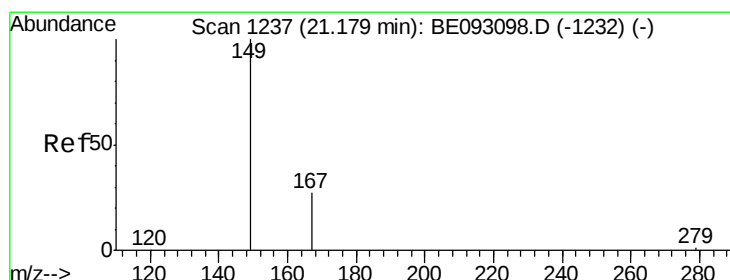
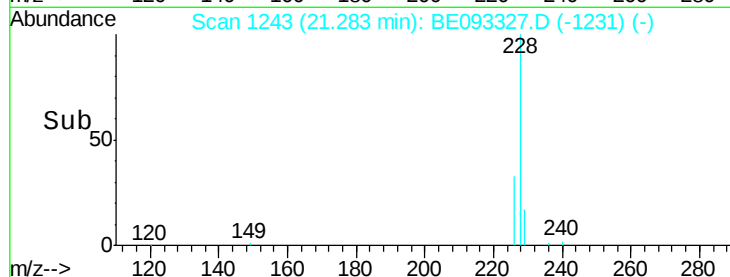
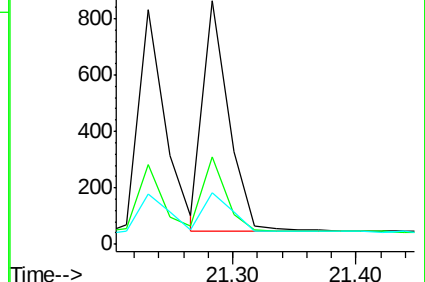
229 21.0 18.6 28.0



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



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.27 ng

RT: 21.16 min Scan# 1236

Delta R.T. -0.02 min

Lab File: BE093327.D

Acq: 22 Jun 2017 14:20

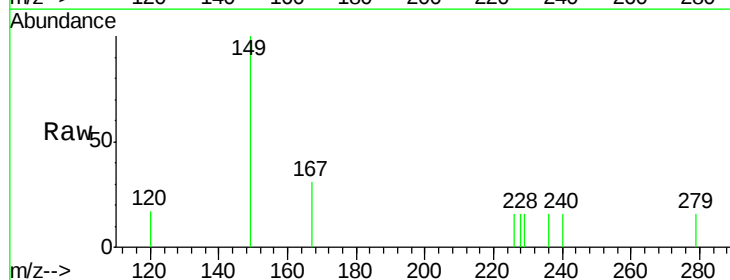
Tgt Ion:149 Resp: 372

Ion Ratio Lower Upper

149 100

167 25.0 20.1 30.1

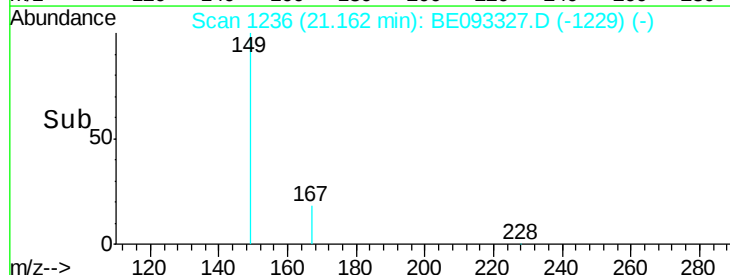
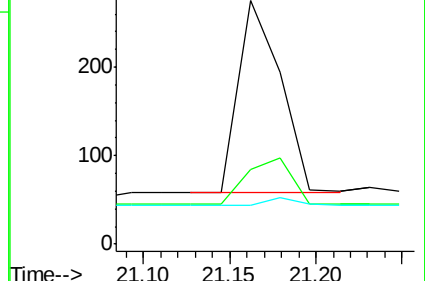
279 0.0 2.2 3.4#

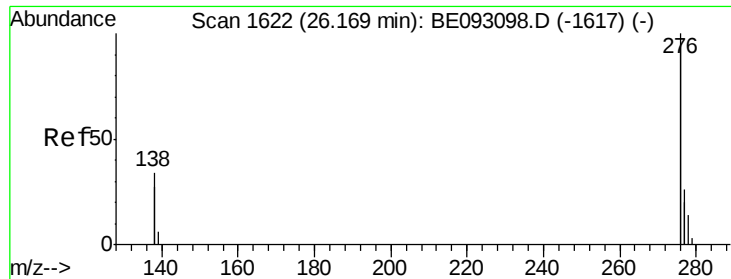


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.37 ng

RT: 26.17 min Scan# 1622

Delta R.T. 0.00 min

Lab File: BE093327.D

Acq: 22 Jun 2017 14:20

Instrument :

BNA_E

ClientSampleId :

PB99833BS

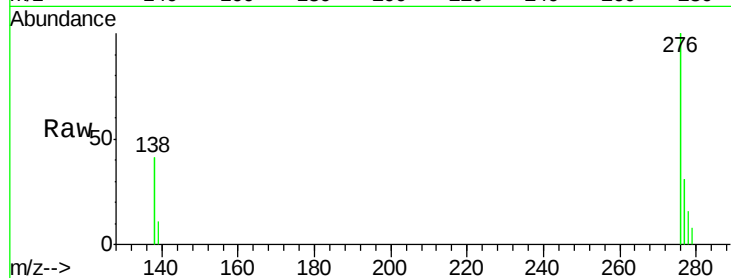
Tgt Ion:276 Resp: 4860

Ion Ratio Lower Upper

276 100

138 33.7 27.4 41.2

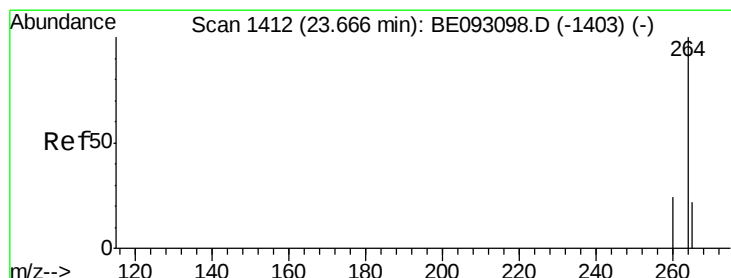
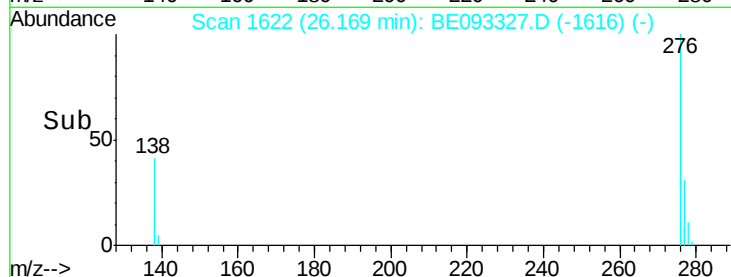
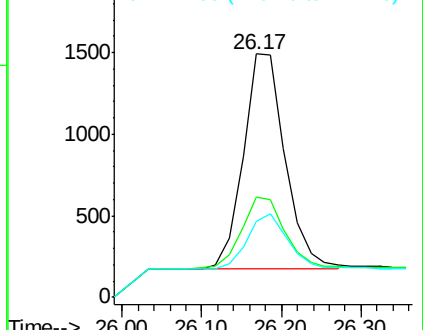
277 24.7 20.1 30.1



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#34

Perylene-d12

Concen: 0.40 ng

RT: 23.67 min Scan# 1412

Delta R.T. 0.00 min

Lab File: BE093327.D

Acq: 22 Jun 2017 14:20

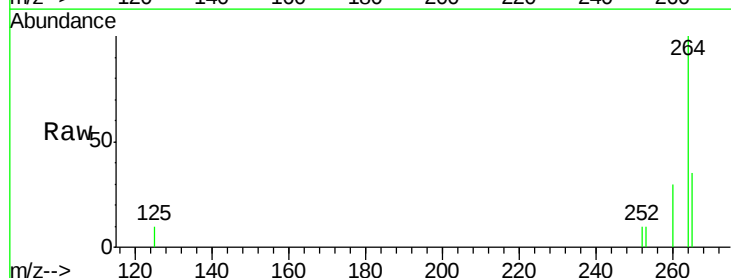
Tgt Ion:264 Resp: 1064

Ion Ratio Lower Upper

264 100

260 30.1 21.0 31.4

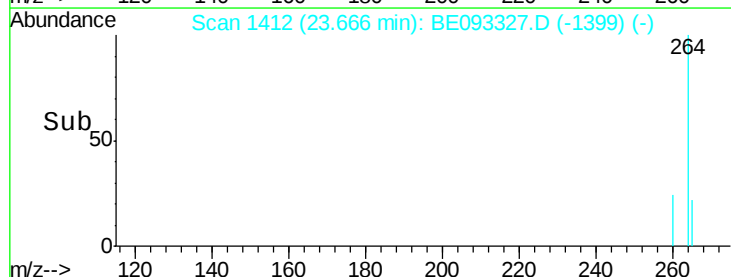
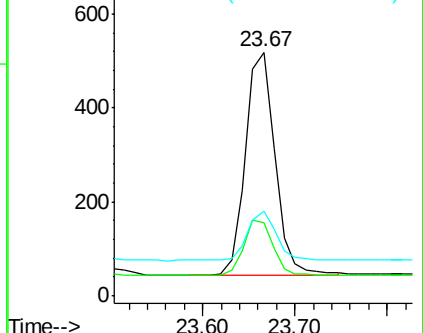
265 34.7 24.6 36.8

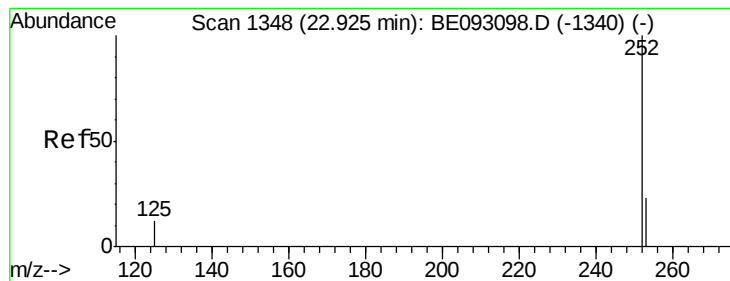


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.37 ng

RT: 22.93 min Scan# 1348

Delta R.T. 0.00 min

Lab File: BE093327.D

Acq: 22 Jun 2017 14:20

Instrument :

BNA_E

ClientSampleId :

PB99833BS

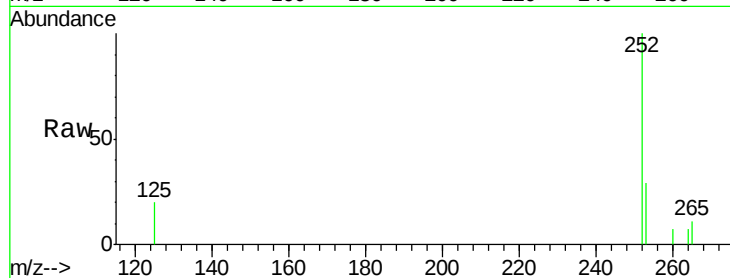
Tgt Ion: 252 Resp: 1249

Ion Ratio Lower Upper

252 100

253 28.7 18.5 27.7#

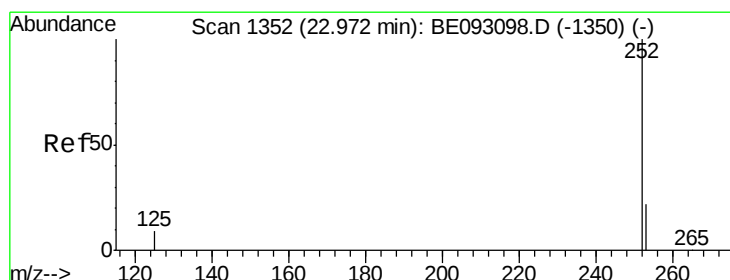
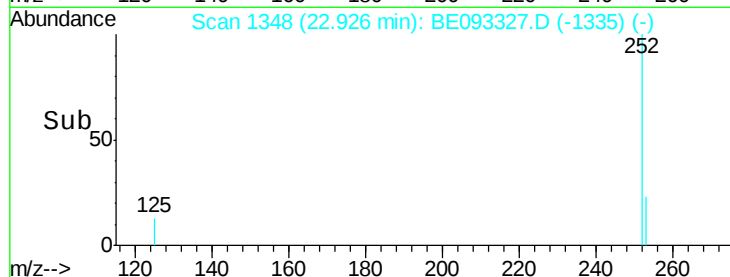
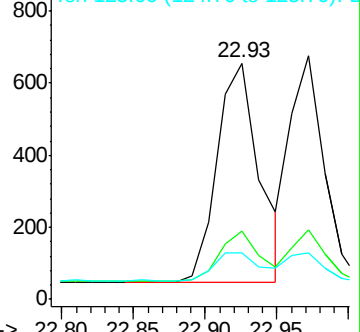
125 19.8 13.4 20.0



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: 0.32 ng

RT: 22.97 min Scan# 1352

Delta R.T. 0.00 min

Lab File: BE093327.D

Acq: 22 Jun 2017 14:20

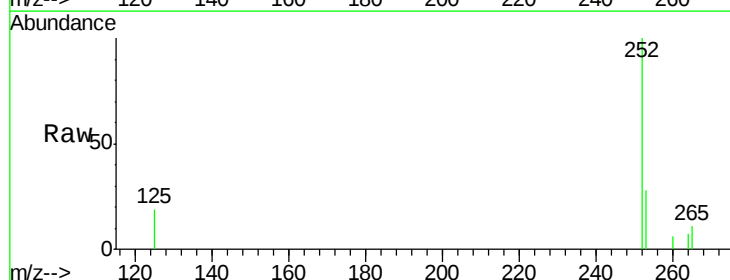
Tgt Ion: 252 Resp: 1044

Ion Ratio Lower Upper

252 100

253 28.4 20.3 30.5

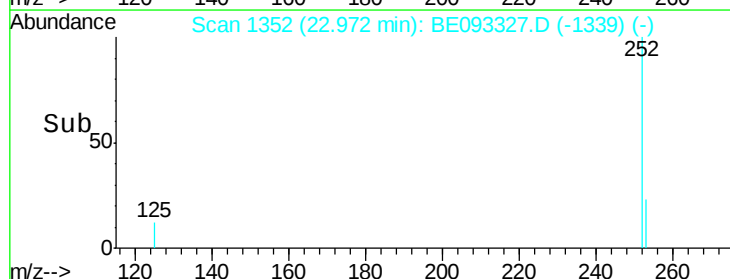
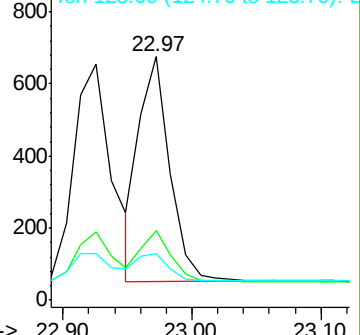
125 19.2 12.2 18.4#

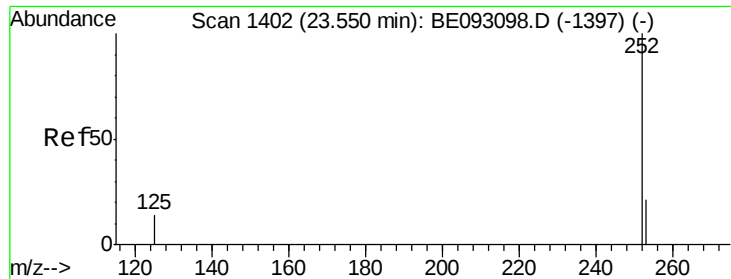


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.33 ng

RT: 23.55 min Scan# 1402

Delta R.T. 0.00 min

Lab File: BE093327.D

Acq: 22 Jun 2017 14:20

Instrument :

BNA_E

ClientSampleId :

PB99833BS

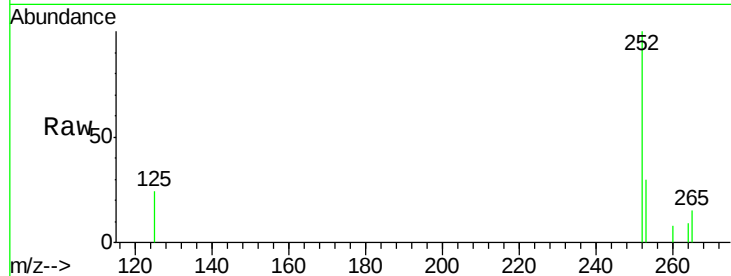
Tgt Ion: 252 Resp: 989

Ion Ratio Lower Upper

252 100

253 29.7 19.9 29.9

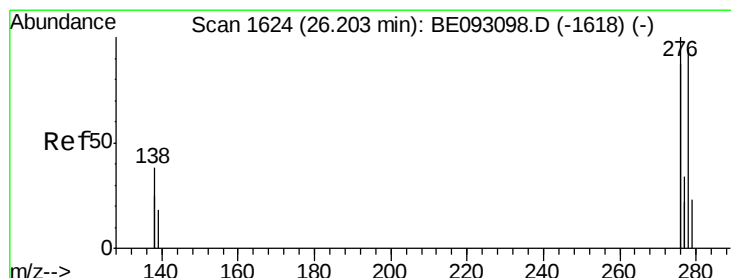
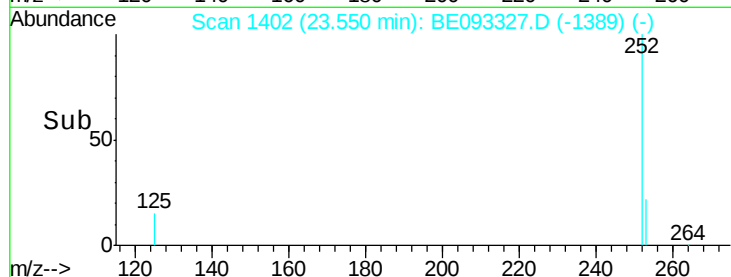
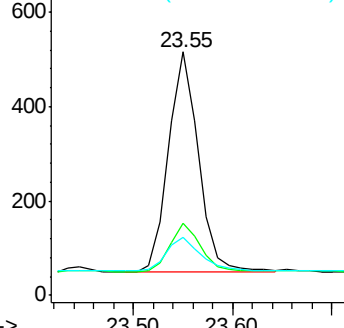
125 23.6 14.6 21.8#



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: 0.33 ng

RT: 26.20 min Scan# 1624

Delta R.T. 0.00 min

Lab File: BE093327.D

Acq: 22 Jun 2017 14:20

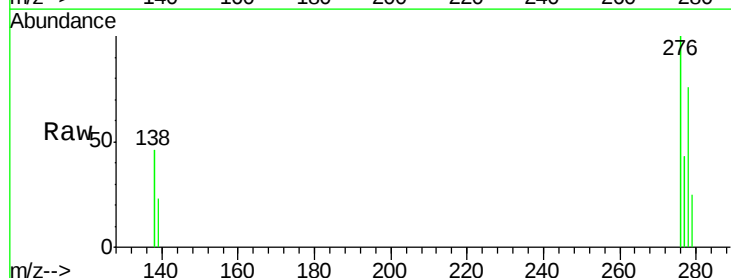
Tgt Ion: 278 Resp: 1011

Ion Ratio Lower Upper

278 100

139 30.7 21.4 32.0

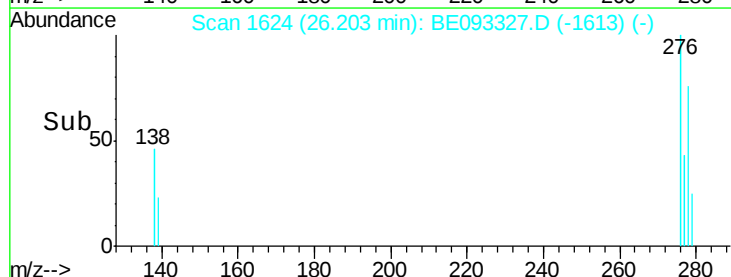
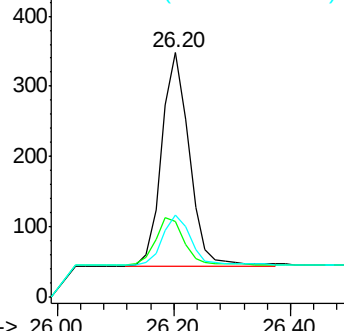
279 33.3 22.2 33.2#

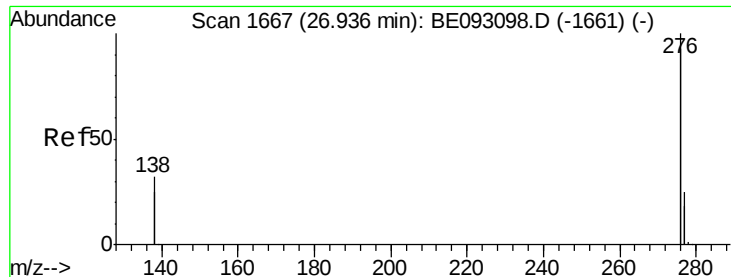


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.33 ng

RT: 26.95 min Scan# 1668

Delta R.T. 0.02 min

Lab File: BE093327.D

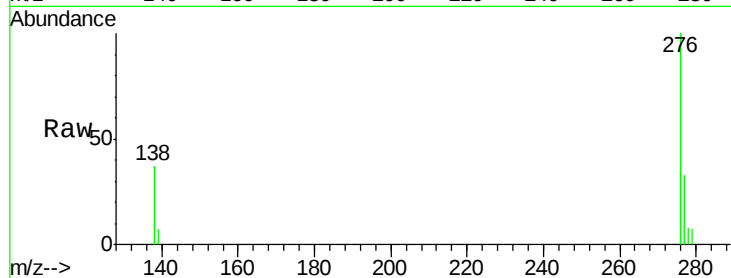
Acq: 22 Jun 2017 14:20

Instrument :

BNA_E

ClientSampleId :

PB99833BS



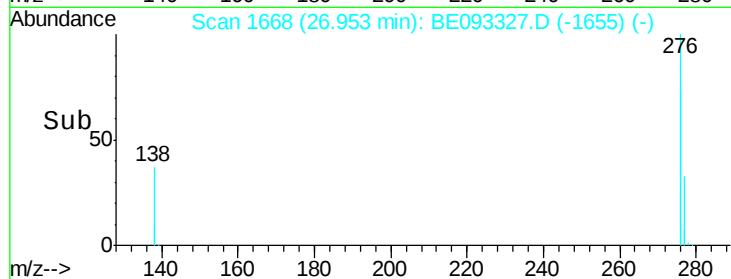
Tgt Ion: 276 Resp: 4120

Ion Ratio Lower Upper

276 100

277 33.3 21.2 31.8#

138 37.1 24.5 36.7#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

