

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE061217\
 Data File : BE093108.D
 Acq On : 12 Jun 2017 19:05
 Operator : SJ/MA
 Sample : PB99586BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB99586BS

Quant Time: Jun 13 01:11:19 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	7.75	152	622	0.40	ng	0.00
7) Naphthalene-d8	10.51	136	2578	0.40	ng	-0.02
13) Acenaphthene-d10	14.37	164	1114	0.40	ng	0.00
19) Phenanthrene-d10	17.13	188	2106	0.40	ng	0.00
27) Chrysene-d12	21.25	240	2474	0.40	ng	-0.02
34) Perylene-d12	23.67	264	1911	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.35	112	504	0.27	ng	0.00
5) Phenol-d6	6.90	99	668	0.25	ng	0.00
8) Nitrobenzene-d5	8.88	82	560	0.27	ng	0.00
11) 2-Methylnaphthalene-d10	12.12	152	975	0.25	ng	0.00
14) 2,4,6-Tribromophenol	15.85	330	58	0.23	ng	0.00
15) 2-Fluorobiphenyl	12.99	172	1375	0.29	ng	0.00
25) Fluoranthene-d10	19.12	212	1620	0.23	ng	0.00
29) Terphenyl-d14	19.72	244	1449	0.30	ng	0.00

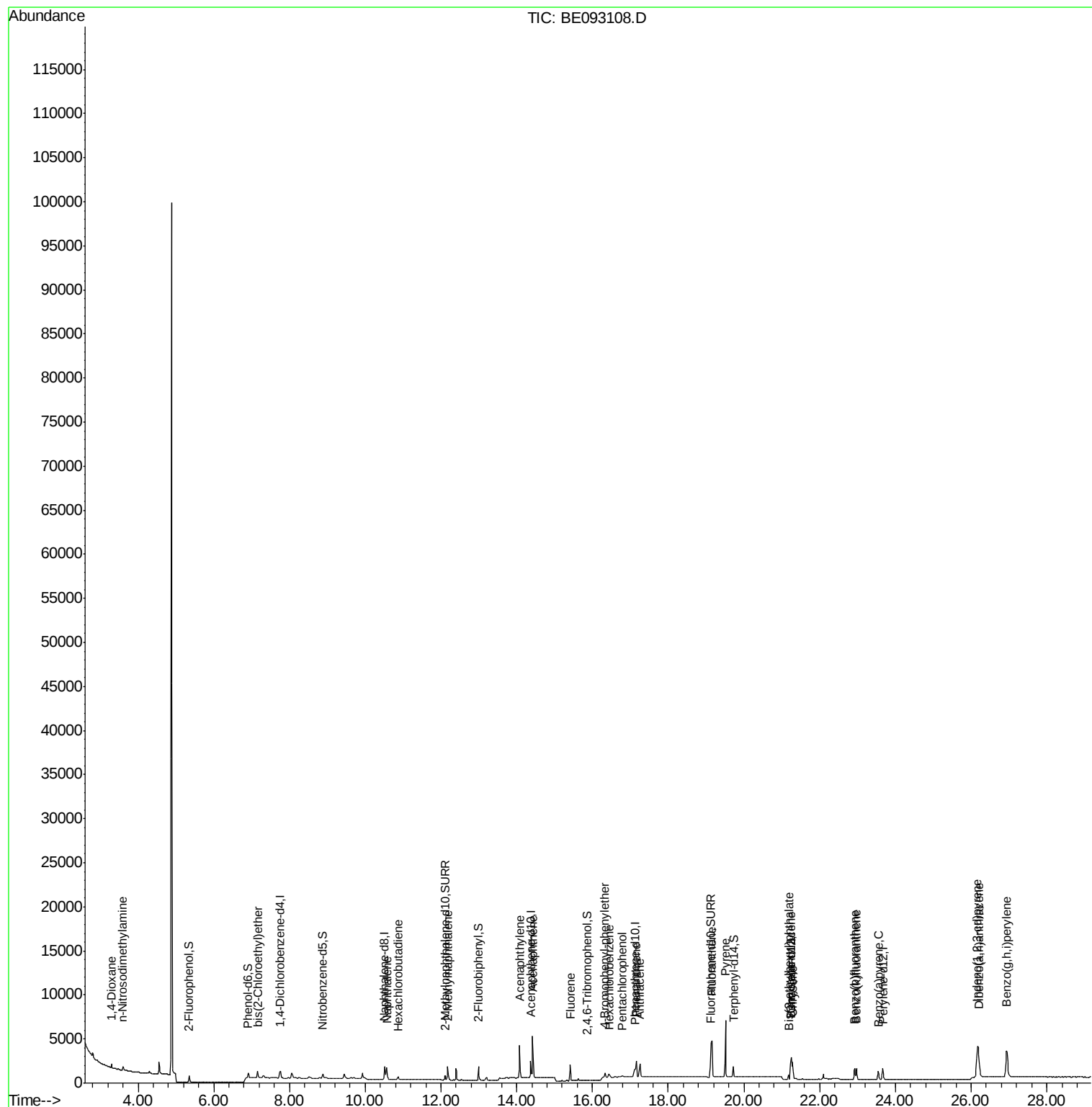
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.31	88	278	0.201	ng	# 55
3) n-Nitrosodimethylamine	3.59	42	308	0.261	ng	# 95
6) bis(2-Chloroethyl)ether	7.15	93	633	0.270	ng	# 97
9) Naphthalene	10.56	128	1885	0.273	ng	97
10) Hexachlorobutadiene	10.87	225	261	0.278	ng	99
12) 2-Methylnaphthalene	12.18	142	1140	0.265	ng	99
16) Acenaphthylene	14.08	152	5031	0.260	ng	99
17) Acenaphthene	14.42	154	998	0.276	ng	95
18) Fluorene	15.41	166	1130	0.260	ng	98
20) 4-Bromophenyl-phenylether	16.33	248	323	0.252	ng	# 86
21) Hexachlorobenzene	16.44	284	333	0.295	ng	# 100
22) Pentachlorophenol	16.79	266	164	0.451	ng	91
23) Phenanthrene	17.16	178	2415	0.254	ng	99
24) Anthracene	17.25	178	1996	0.247	ng	99
26) Fluoranthene	19.16	202	8103	0.234	ng	# 99
28) Pyrene	19.51	202	8525	0.283	ng	# 95
30) Benzo(a)anthracene	21.23	228	1821	0.273	ng	# 87
31) Chrysene	21.28	228	2005	0.281	ng	# 87
32) Bis(2-ethylhexyl)phthalate	21.18	149	490	0.163	ng	# 96
33) Indeno(1,2,3-cd)pyrene	26.17	276	8111	0.305	ng	99
35) Benzo(b)fluoranthene	22.93	252	1914	0.312	ng	94
36) Benzo(k)fluoranthene	22.97	252	1684	0.284	ng	96
37) Benzo(a)pyrene	23.55	252	1550	0.292	ng	93
38) Dibenzo(a,h)anthracene	26.20	278	1783	0.322	ng	98
39) Benzo(g,h,i)perylene	26.93	276	7543	0.338	ng	93

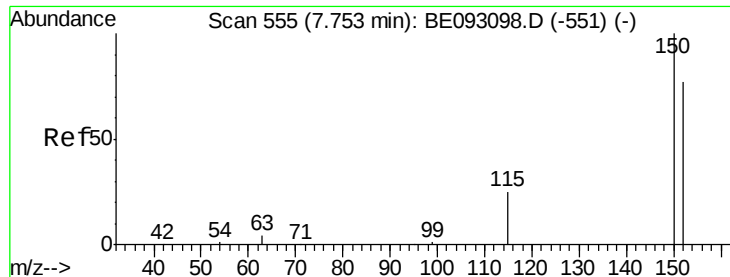
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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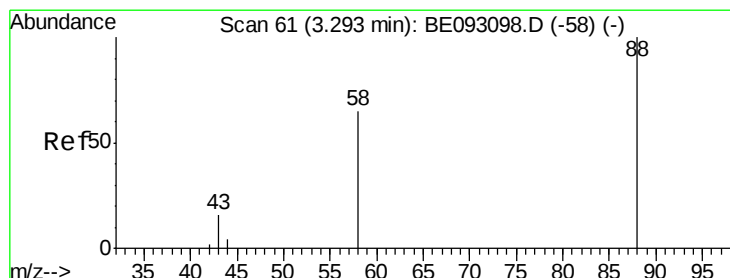
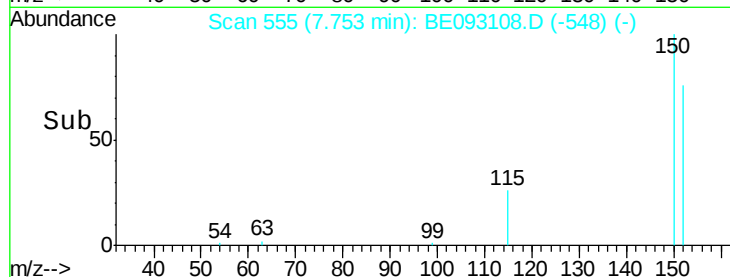
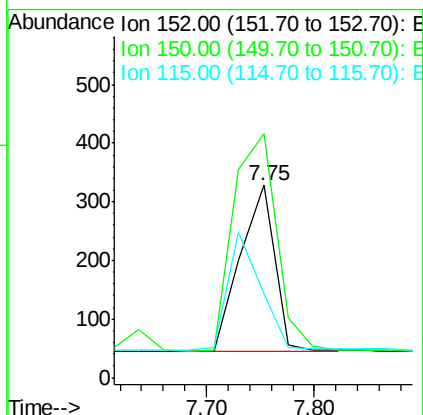
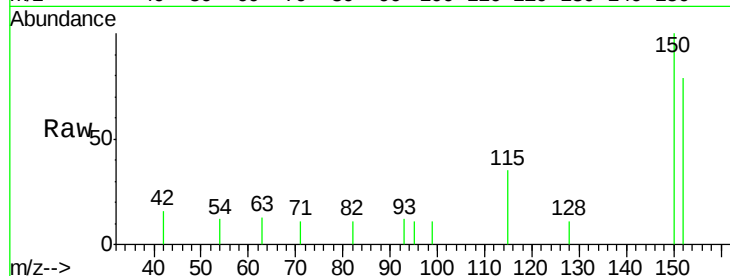


#1

1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.75 min Scan# 555
Delta R.T. 0.00 min
Lab File: BE093108.D
Acq: 12 Jun 2017 19:05

Instrument :
BNA_E
ClientSampleId :
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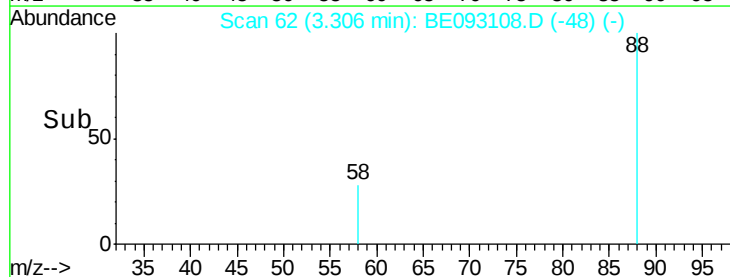
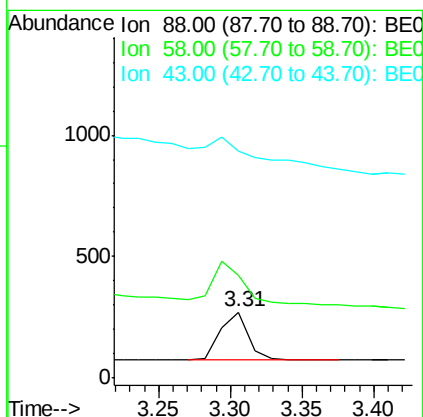
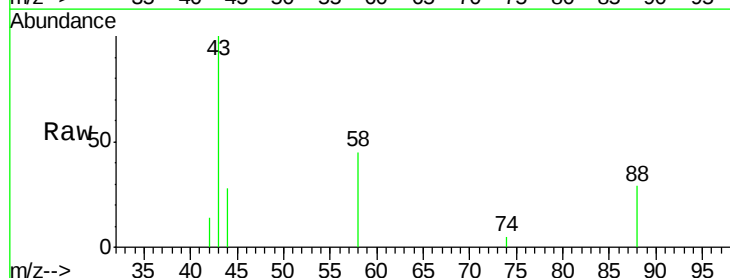
Tgt Ion: 152 Resp: 622
Ion Ratio Lower Upper
152 100
150 126.8 125.1 187.7
115 43.9 55.7 83.5#

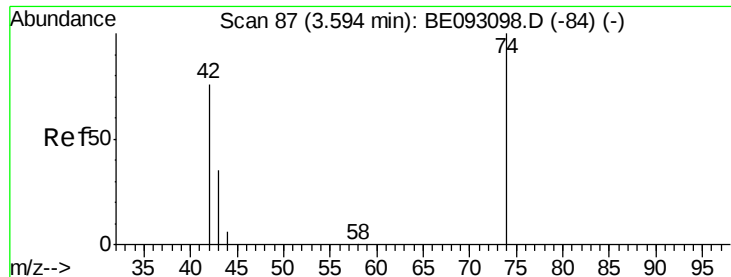


#2

1,4-Dioxane
Concen: 0.201 ng
RT: 3.31 min Scan# 62
Delta R.T. 0.01 min
Lab File: BE093108.D
Acq: 12 Jun 2017 19:05

Tgt Ion: 88 Resp: 278
Ion Ratio Lower Upper
88 100
58 113.3 62.2 93.4#
43 0.0 23.2 34.8#





#3

n-Nitrosodimethylamine

Concen: 0.261 ng

RT: 3.59 min Scan# 87

Delta R.T. 0.00 min

Lab File: BE093108.D

Acq: 12 Jun 2017 19:05

Instrument :

BNA_E

ClientSampleId :

PB99586BS

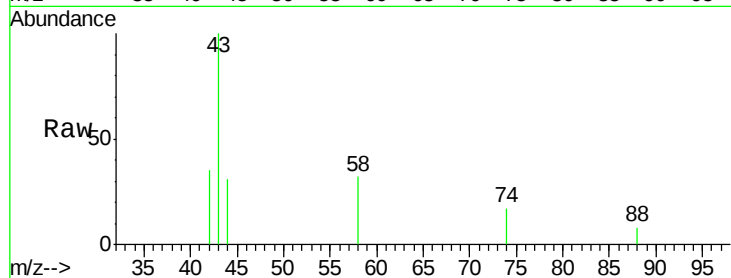
Tgt Ion: 42 Resp: 308

Ion Ratio Lower Upper

42 100

74 129.2 99.1 148.7

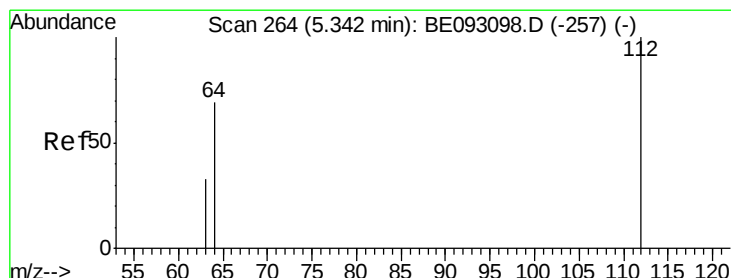
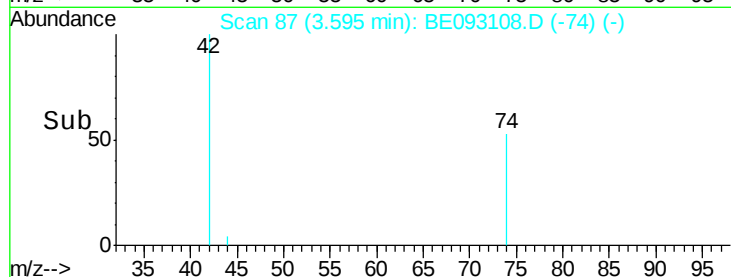
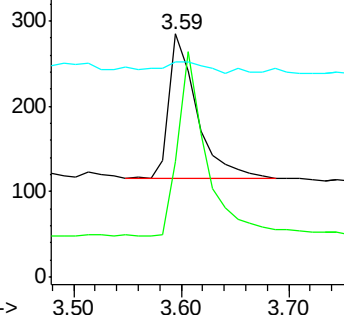
44 12.7 7.4 11.2#



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



#4

2-Fluorophenol

Concen: 0.275 ng

RT: 5.35 min Scan# 265

Delta R.T. 0.01 min

Lab File: BE093108.D

Acq: 12 Jun 2017 19:05

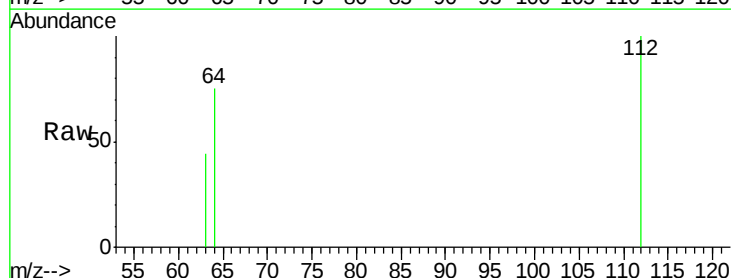
Tgt Ion: 112 Resp: 504

Ion Ratio Lower Upper

112 100

64 69.8 56.4 84.6

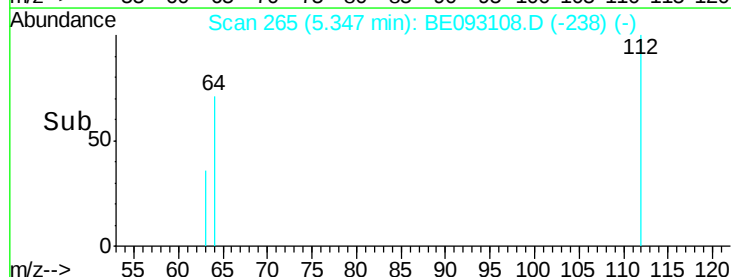
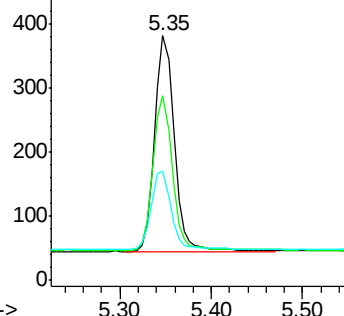
63 37.1 29.3 43.9

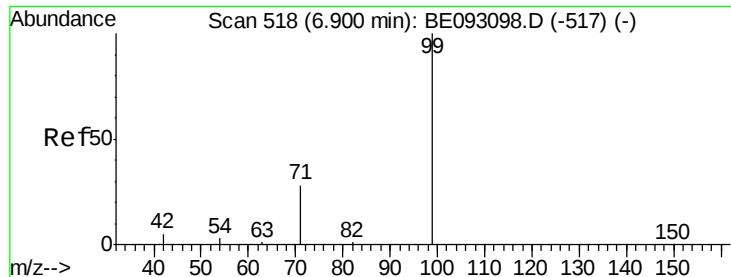


Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.248 ng

RT: 6.90 min Scan# 518

Delta R.T. 0.00 min

Lab File: BE093108.D

Acq: 12 Jun 2017 19:05

Instrument :

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ClientSampleId :

PB99586BS

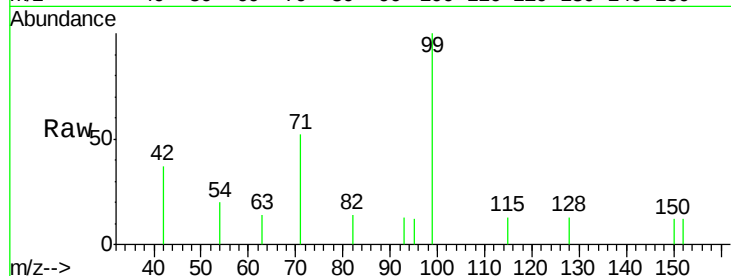
Tgt Ion: 99 Resp: 668

Ion Ratio Lower Upper

99 100

42 21.3 0.0 0.0#

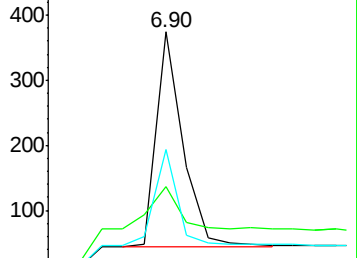
71 37.0 0.0 0.0#



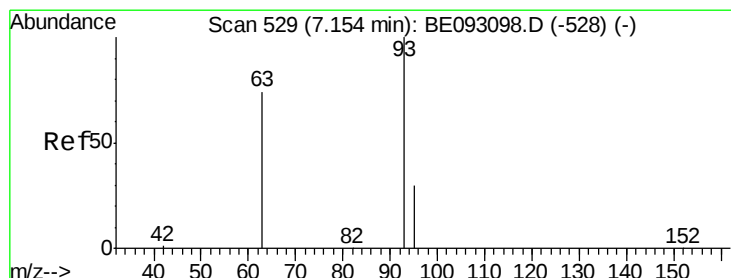
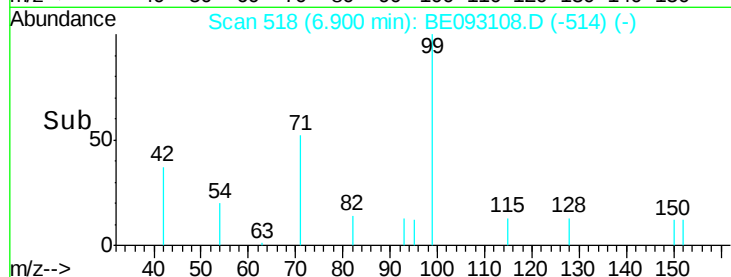
Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



Time-->



#6

bis(2-Chloroethyl)ether

Concen: 0.270 ng

RT: 7.15 min Scan# 529

Delta R.T. 0.00 min

Lab File: BE093108.D

Acq: 12 Jun 2017 19:05

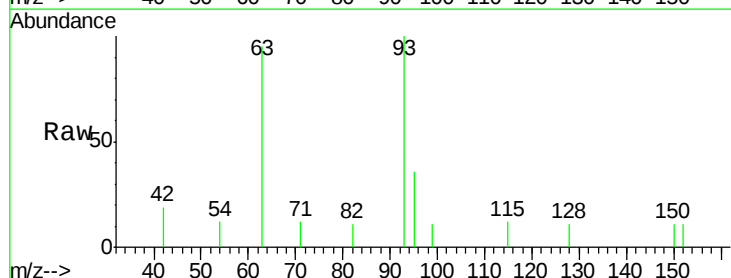
Tgt Ion: 93 Resp: 633

Ion Ratio Lower Upper

93 100

63 89.1 0.0 0.0#

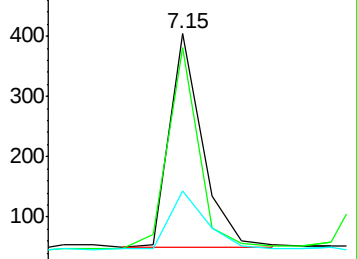
95 29.9 25.4 38.0



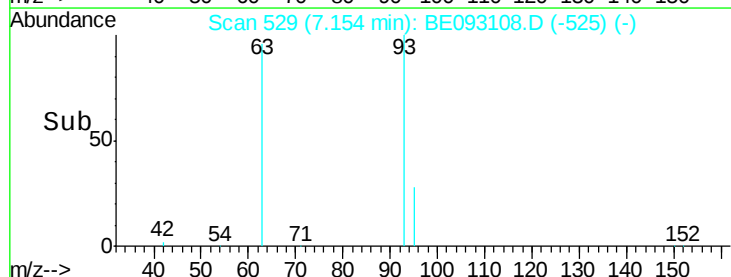
Abundance Ion 93.00 (92.70 to 93.70): BE0

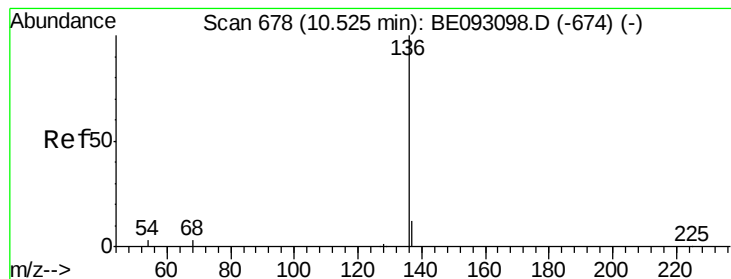
Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0



Time-->





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.51 min Scan# 677

Delta R.T. -0.02 min

Lab File: BE093108.D

Acq: 12 Jun 2017 19:05

Instrument :

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Tgt Ion:136 Resp: 2578

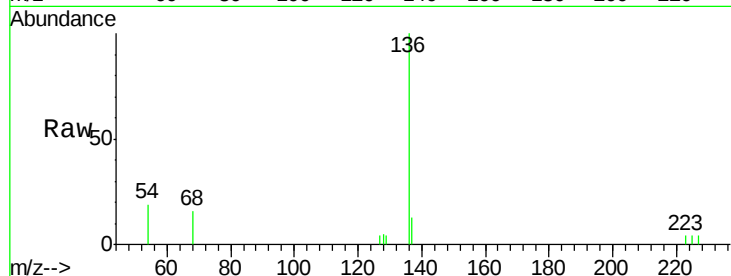
Ion Ratio Lower Upper

136 100

137 13.3 9.8 14.8

54 18.7 10.3 15.5#

68 15.8 9.0 13.4#

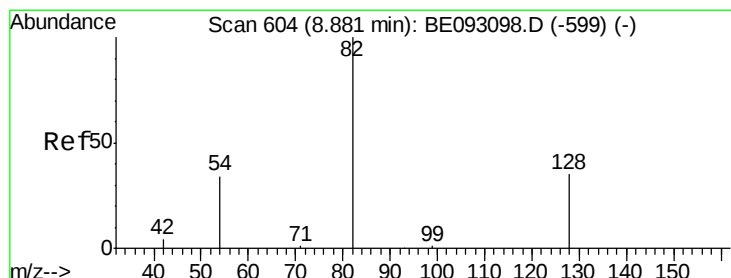
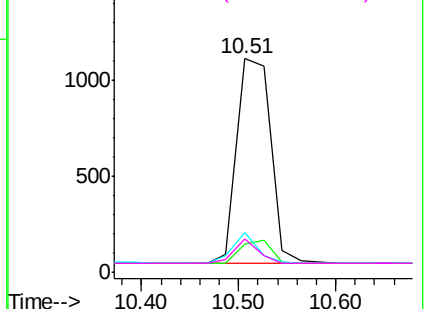
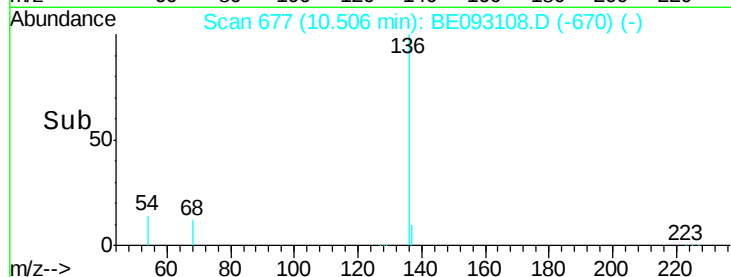


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.272 ng

RT: 8.88 min Scan# 604

Delta R.T. 0.00 min

Lab File: BE093108.D

Acq: 12 Jun 2017 19:05

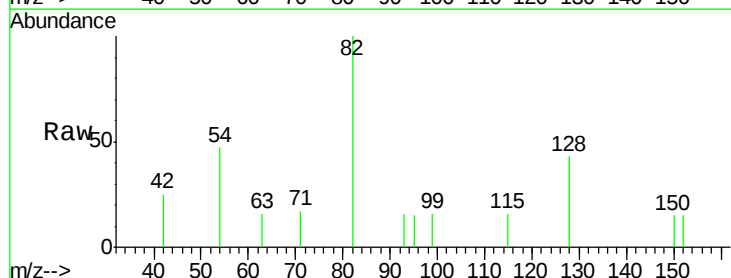
Tgt Ion: 82 Resp: 560

Ion Ratio Lower Upper

82 100

128 43.2 17.0 25.4#

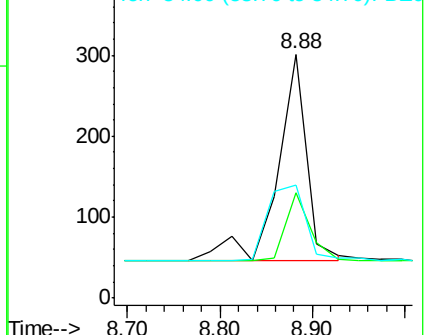
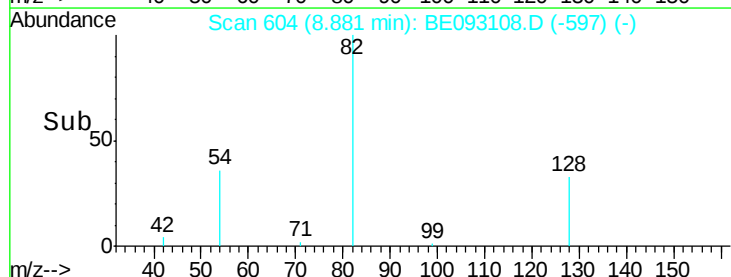
54 46.5 53.8 80.6#

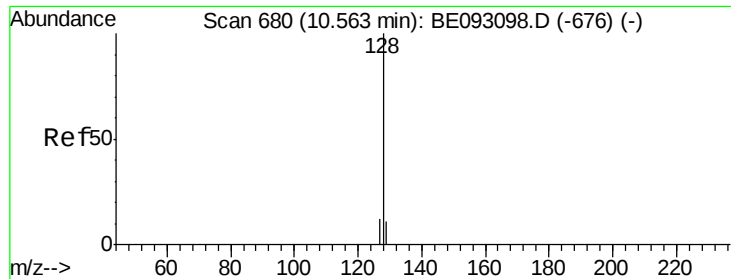


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.273 ng

RT: 10.56 min Scan# 680

Delta R.T. 0.00 min

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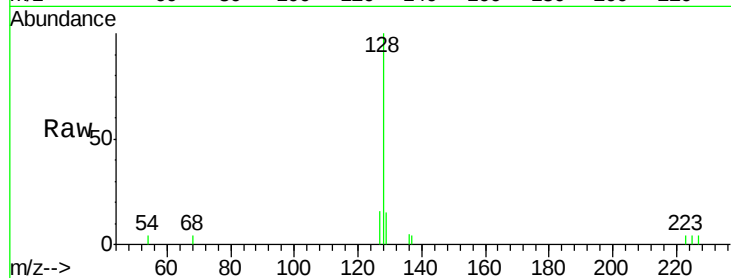
Tgt Ion:128 Resp: 1885

Ion Ratio Lower Upper

128 100

129 14.6 11.4 17.0

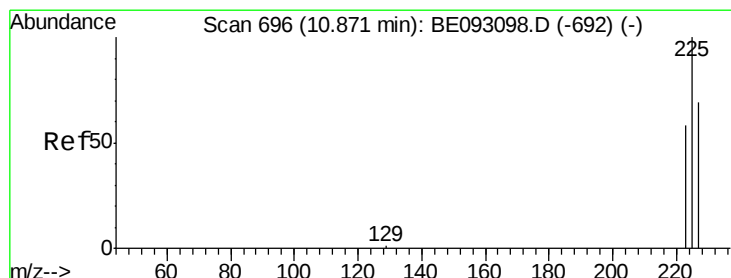
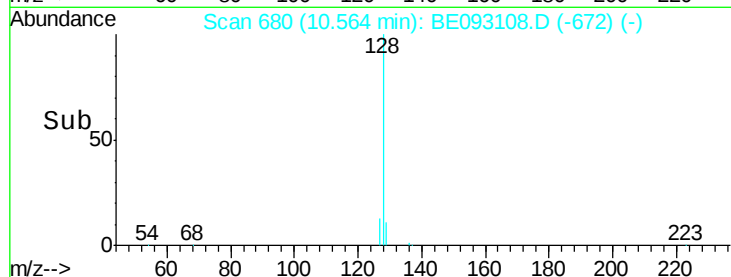
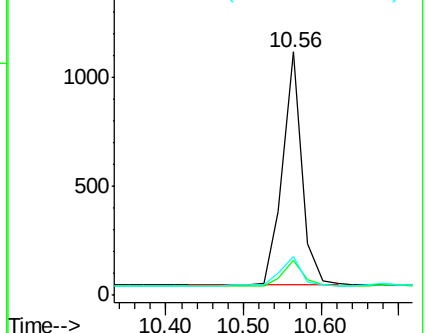
127 16.1 11.2 16.8



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: 0.278 ng

RT: 10.87 min Scan# 696

Delta R.T. 0.00 min

Lab File: BE093108.D

Acq: 12 Jun 2017 19:05

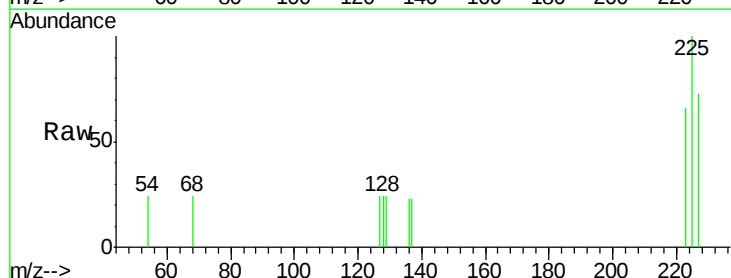
Tgt Ion:225 Resp: 261

Ion Ratio Lower Upper

225 100

223 63.2 49.7 74.5

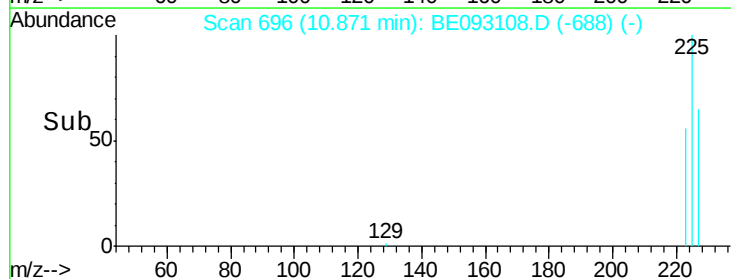
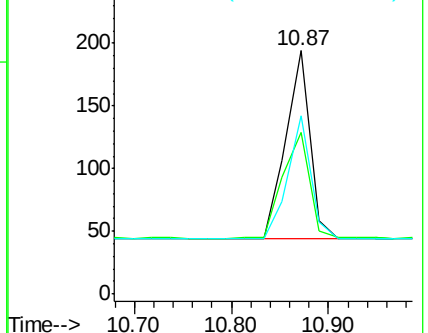
227 62.5 50.3 75.5

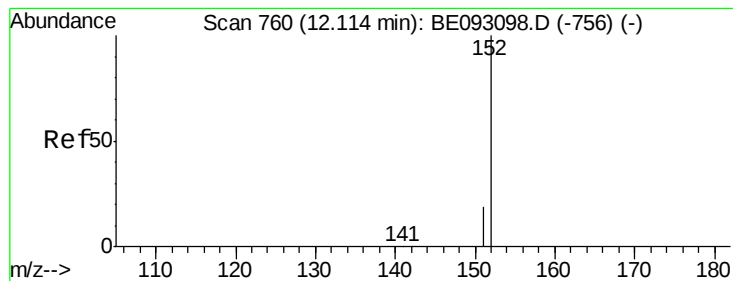


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.252 ng

RT: 12.12 min Scan# 760

Delta R.T. 0.00 min

Lab File: BE093108.D

Acq: 12 Jun 2017 19:05

Instrument :

BNA_E

ClientSampled :

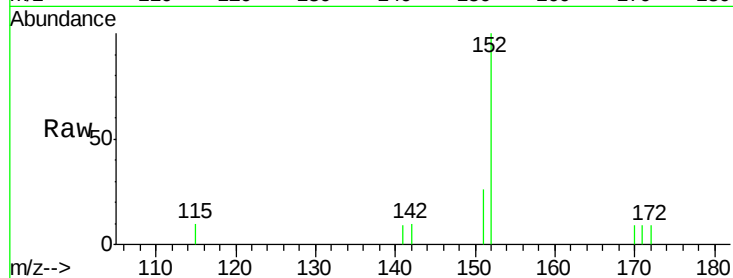
PB99586BS

Tgt Ion:152 Resp: 975

Ion Ratio Lower Upper

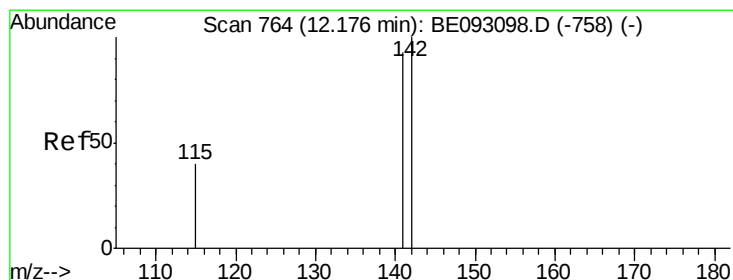
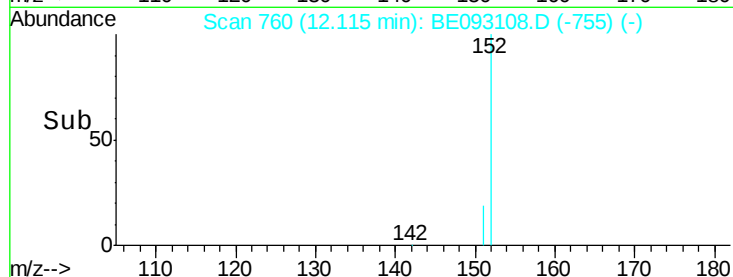
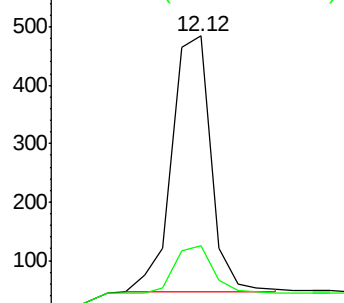
152 100

151 18.4 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: 0.265 ng

RT: 12.18 min Scan# 764

Delta R.T. 0.00 min

Lab File: BE093108.D

Acq: 12 Jun 2017 19:05

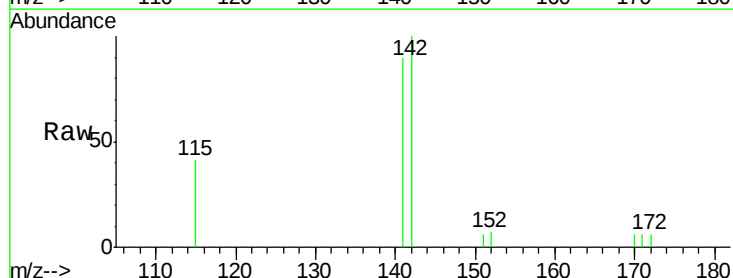
Tgt Ion:142 Resp: 1140

Ion Ratio Lower Upper

142 100

141 90.3 72.6 108.8

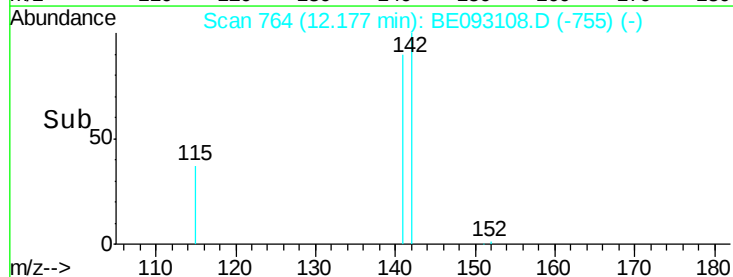
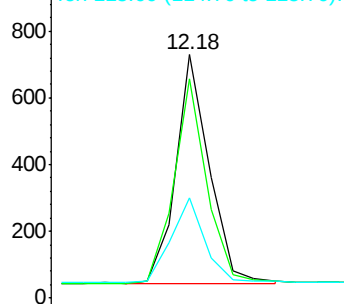
115 41.4 32.2 48.2

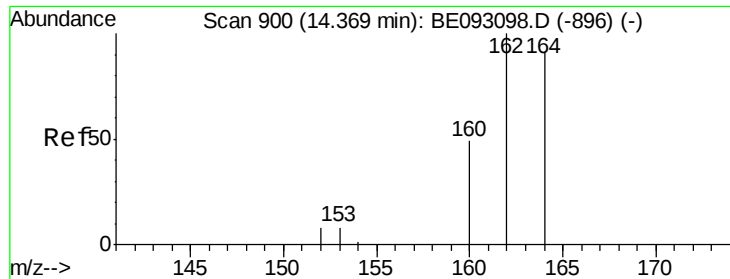


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.37 min Scan# 900

Delta R.T. 0.00 min

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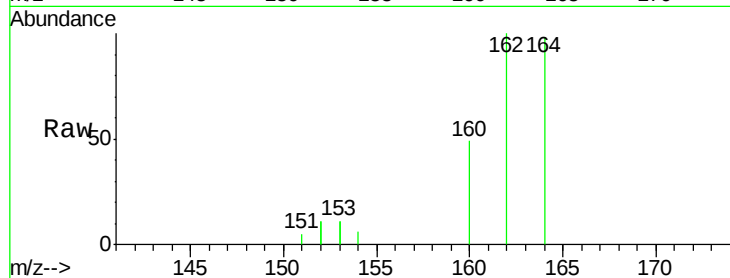
Tgt Ion:164 Resp: 1114

Ion Ratio Lower Upper

164 100

162 102.5 84.6 127.0

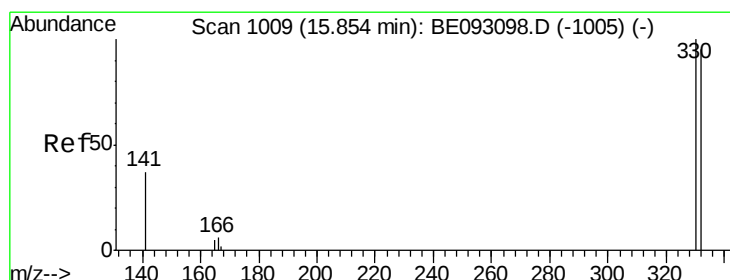
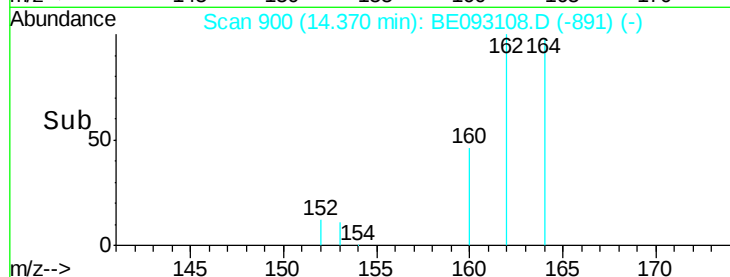
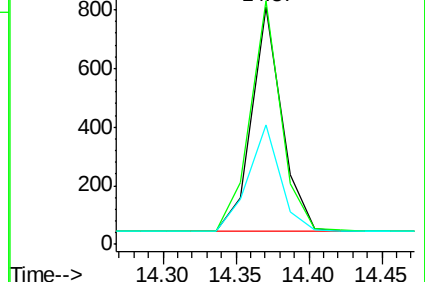
160 50.2 41.8 62.6



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: 0.229 ng

RT: 15.85 min Scan# 1009

Delta R.T. 0.00 min

Lab File: BE093108.D

Acq: 12 Jun 2017 19:05

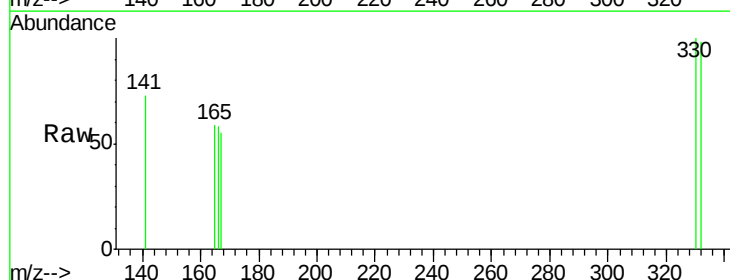
Tgt Ion:330 Resp: 58

Ion Ratio Lower Upper

330 100

332 93.1 77.7 116.5

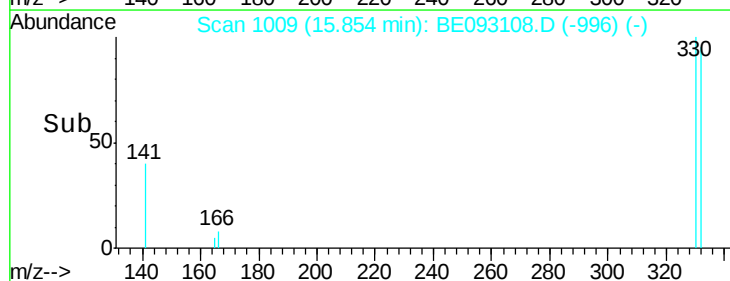
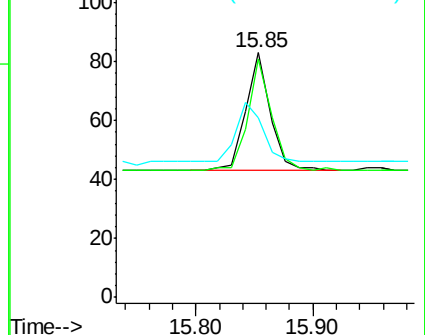
141 60.3 56.2 84.4

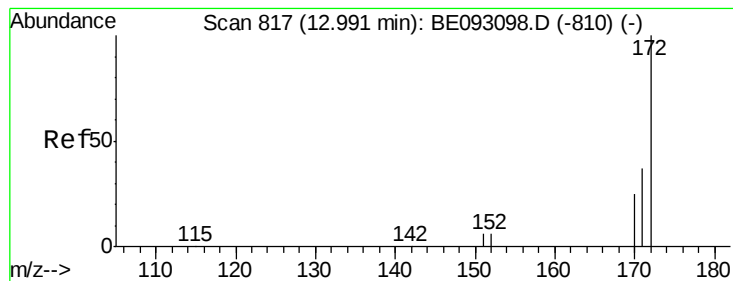


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

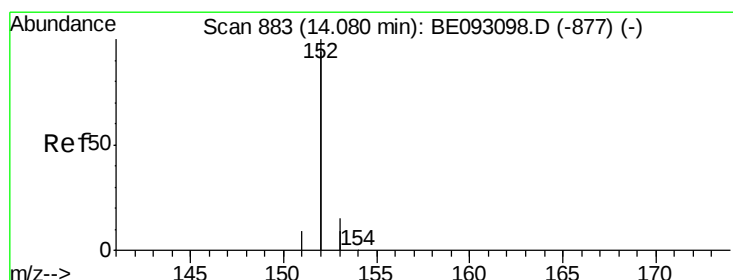
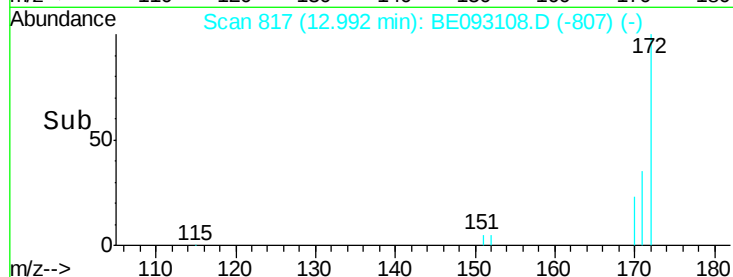
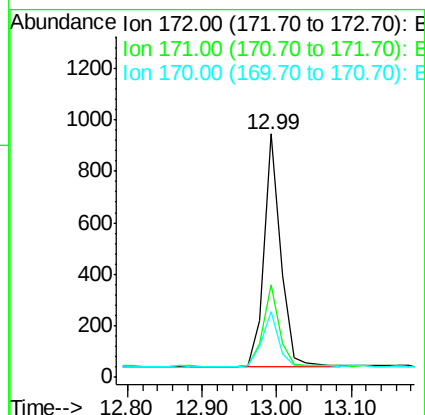
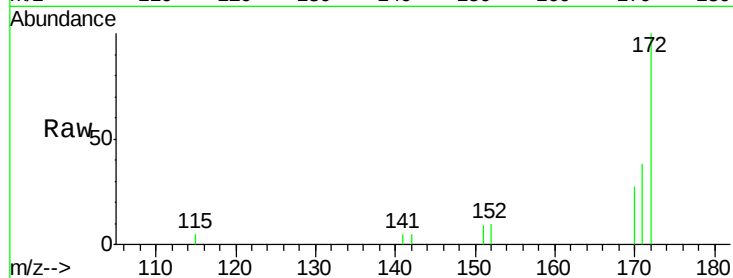




#15
 2-Fluorobiphenyl
 Concen: 0.289 ng
 RT: 12.99 min Scan# 817
 Delta R.T. 0.00 min
 Lab File: BE093108.D
 Acq: 12 Jun 2017 19:05

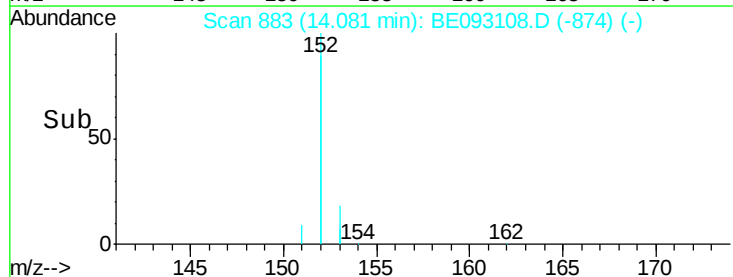
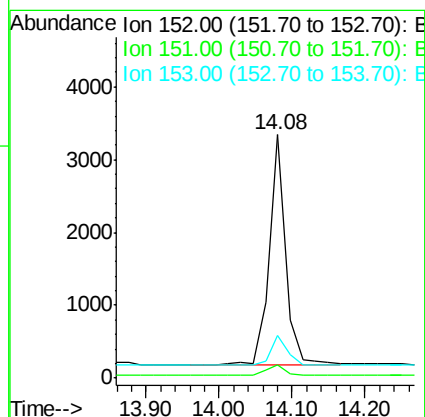
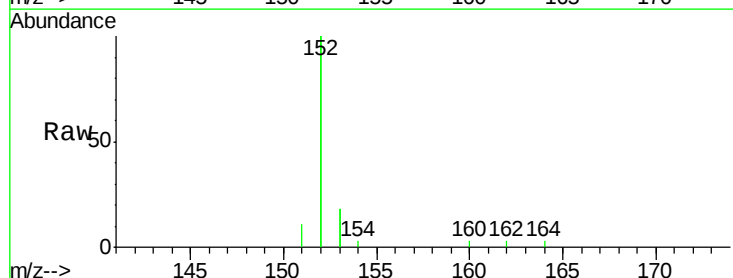
Instrument :
 BNA_E
 ClientSampleId :
 PB99586BS

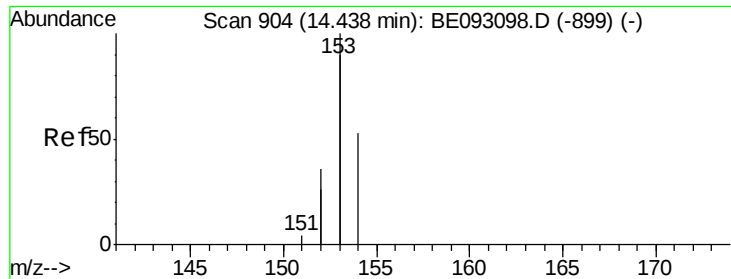
Tgt Ion:172 Resp: 1375
 Ion Ratio Lower Upper
 172 100
 171 37.9 29.8 44.6
 170 26.9 20.7 31.1



#16
 Acenaphthylene
 Concen: 0.260 ng
 RT: 14.08 min Scan# 883
 Delta R.T. 0.00 min
 Lab File: BE093108.D
 Acq: 12 Jun 2017 19:05

Tgt Ion:152 Resp: 5031
 Ion Ratio Lower Upper
 152 100
 151 4.8 4.0 6.0
 153 13.6 10.3 15.5

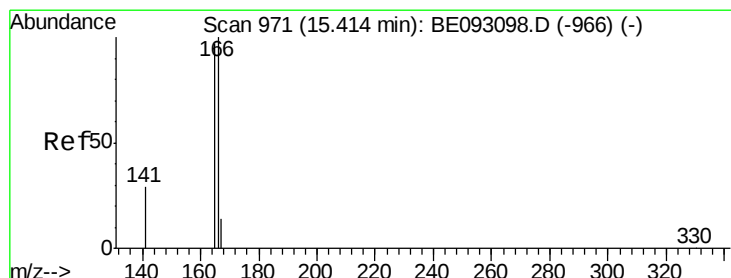
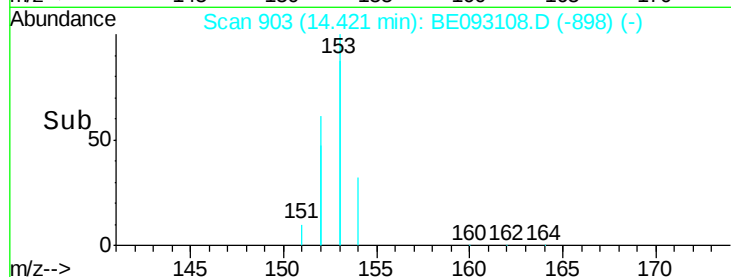
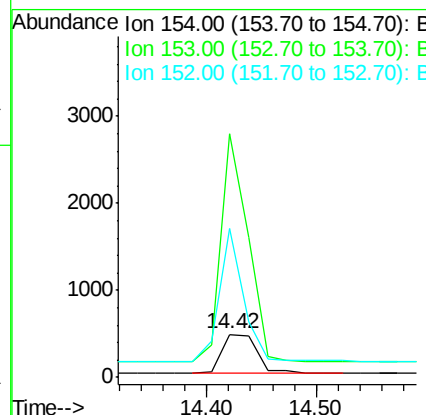
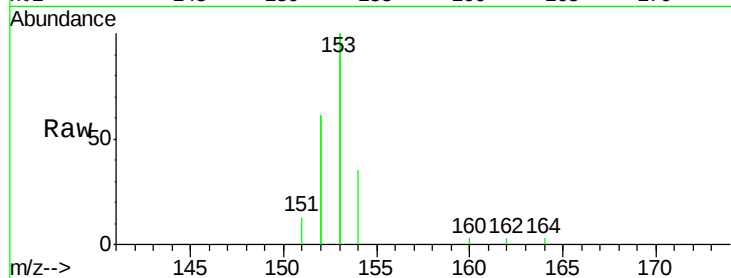




#17
Acenaphthene
Concen: 0.276 ng
RT: 14.42 min Scan# 903
Delta R.T. -0.02 min
Lab File: BE093108.D
Acq: 12 Jun 2017 19:05

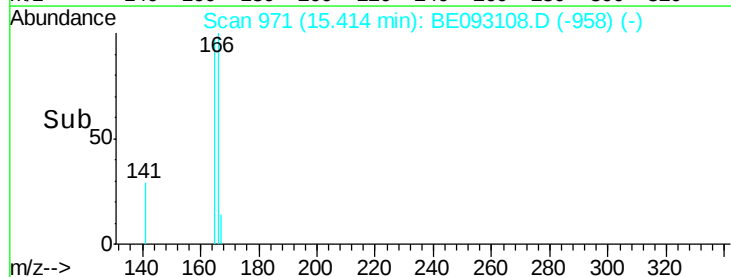
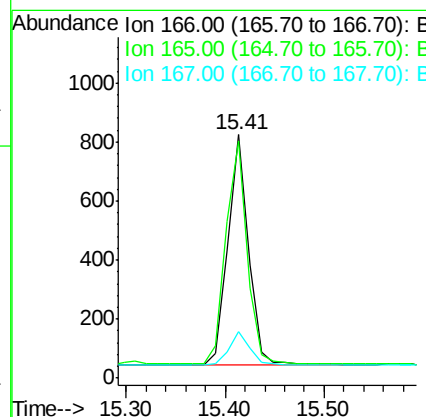
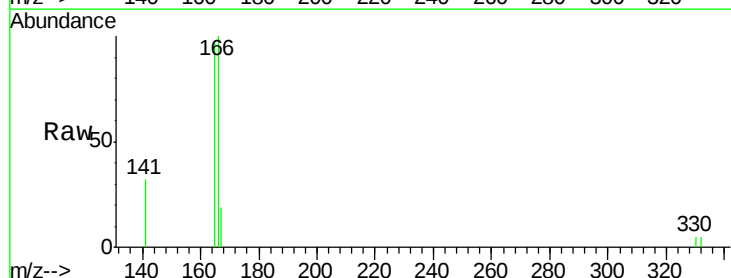
Instrument :
BNA_E
ClientSampleId :
PB99586BS

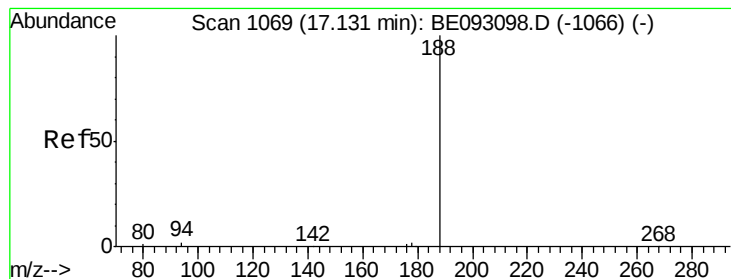
Tgt Ion:154 Resp: 998
Ion Ratio Lower Upper
154 100
153 444.3 367.8 551.6
152 230.9 188.2 282.2



#18
Fluorene
Concen: 0.260 ng
RT: 15.41 min Scan# 971
Delta R.T. -0.00 min
Lab File: BE093108.D
Acq: 12 Jun 2017 19:05

Tgt Ion:166 Resp: 1130
Ion Ratio Lower Upper
166 100
165 99.6 78.6 117.8
167 14.7 11.1 16.7





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.13 min Scan# 1070

Delta R.T. 0.00 min

Lab File: BE093108.D

Acq: 12 Jun 2017 19:05

Instrument :

BNA_E

ClientSampleID :

PB99586BS

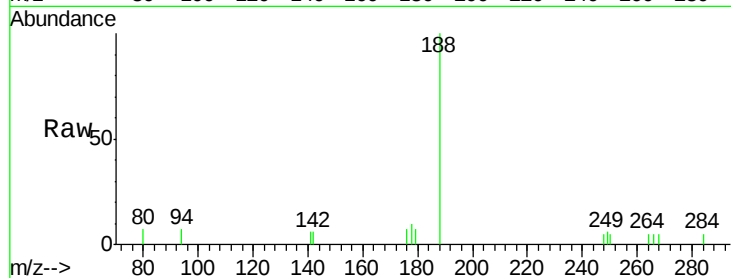
Tgt Ion:188 Resp: 2106

Ion Ratio Lower Upper

188 100

94 7.4 11.3 16.9#

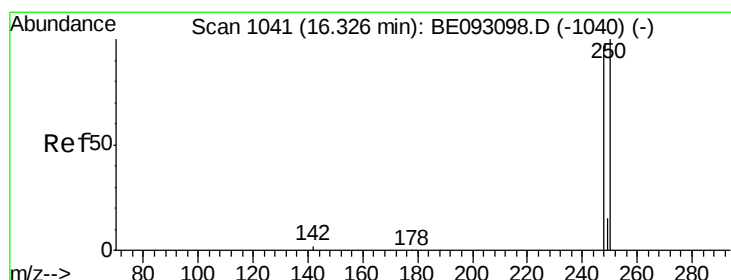
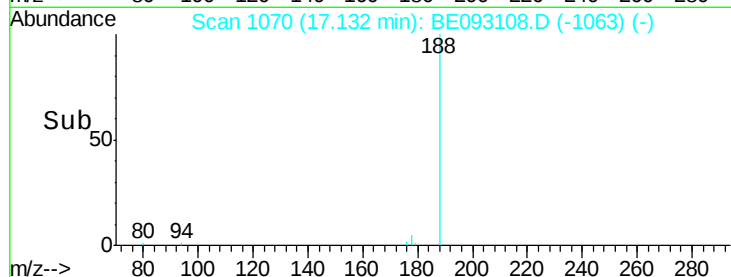
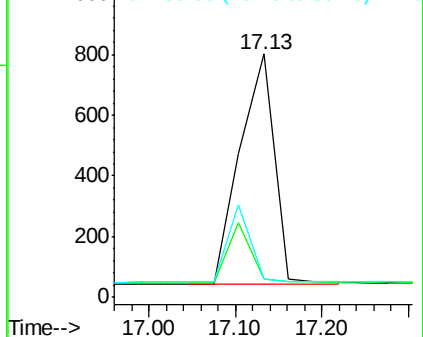
80 7.4 11.7 17.5#



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: 0.252 ng

RT: 16.33 min Scan# 1042

Delta R.T. 0.00 min

Lab File: BE093108.D

Acq: 12 Jun 2017 19:05

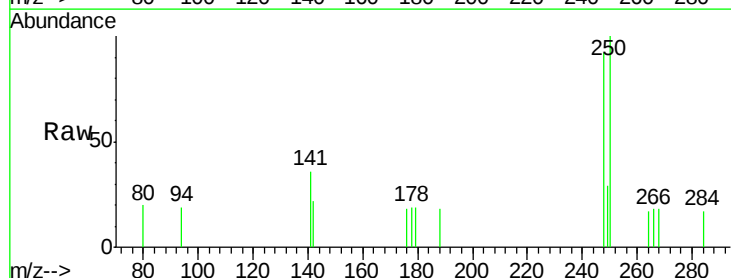
Tgt Ion:248 Resp: 323

Ion Ratio Lower Upper

248 100

250 109.1 100.0 150.0

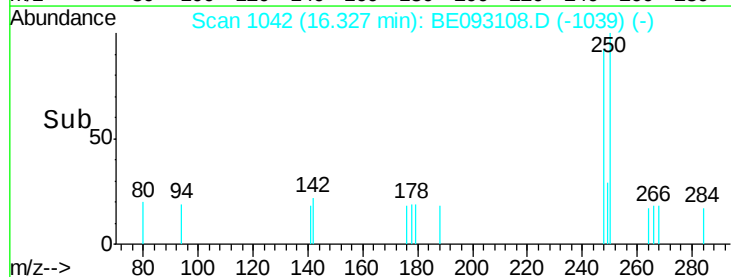
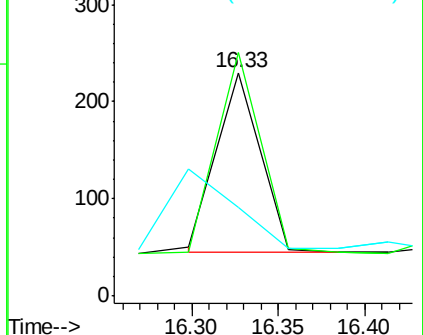
141 39.6 40.0 60.0#

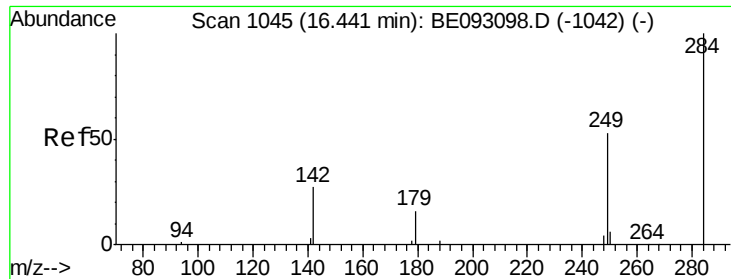


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.295 ng

RT: 16.44 min Scan# 1046

Delta R.T. 0.00 min

Lab File: BE093108.D

Acq: 12 Jun 2017 19:05

Instrument :

BNA_E

ClientSampleId :

PB99586BS

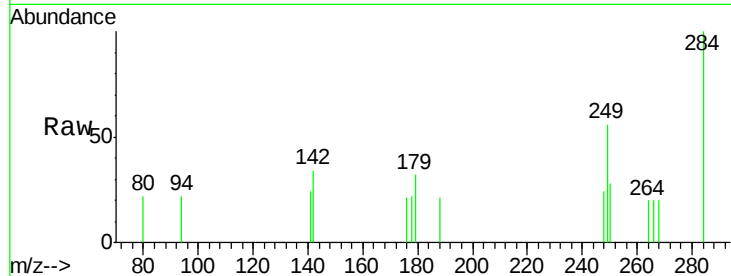
Tgt Ion:284 Resp: 333

Ion Ratio Lower Upper

284 100

142 0.0 0.0 0.0

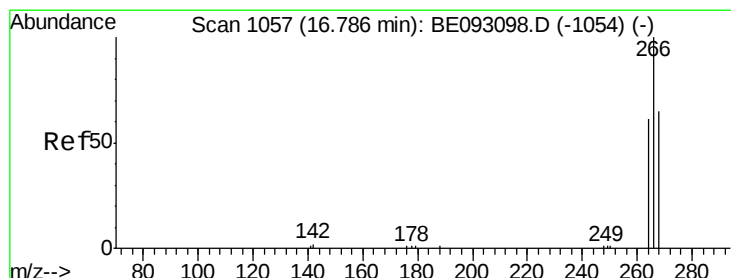
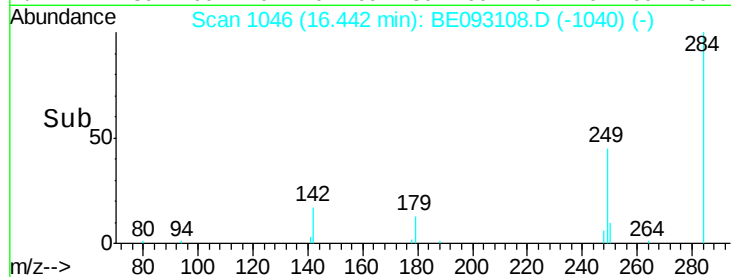
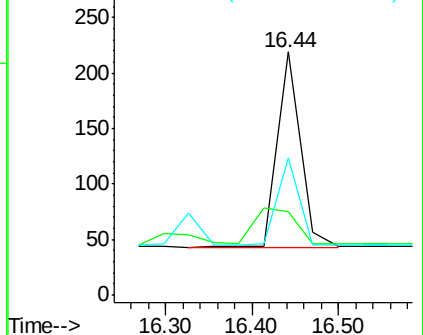
249 40.8 0.0 0.0#



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: 0.451 ng

RT: 16.79 min Scan# 1058

Delta R.T. 0.00 min

Lab File: BE093108.D

Acq: 12 Jun 2017 19:05

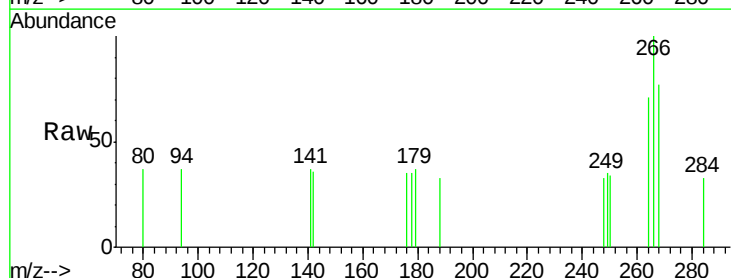
Tgt Ion:266 Resp: 164

Ion Ratio Lower Upper

266 100

264 70.7 58.2 87.2

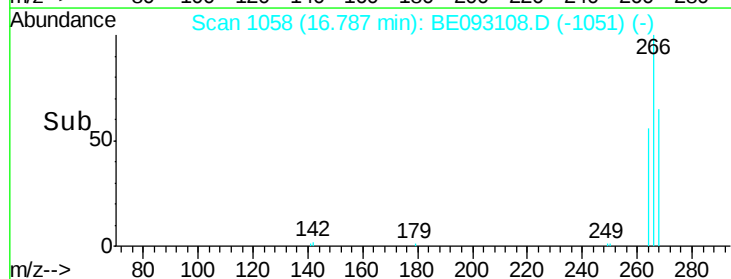
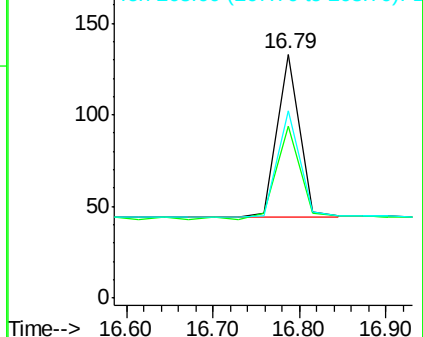
268 76.7 71.9 107.9

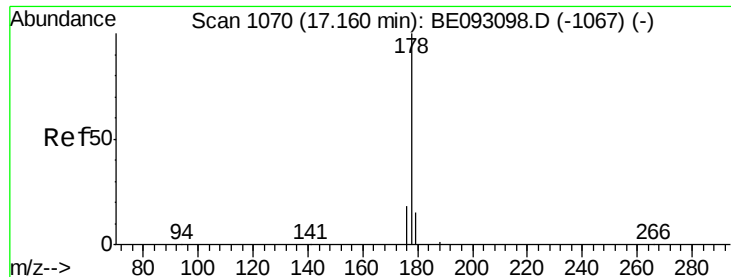


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E

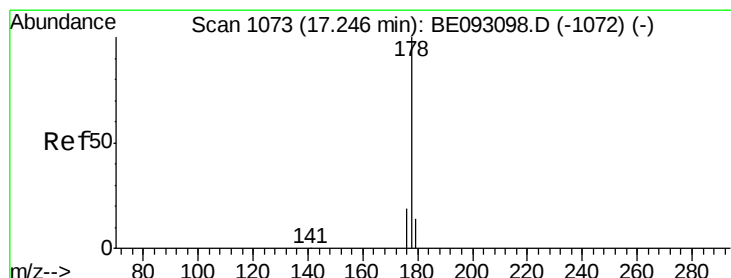
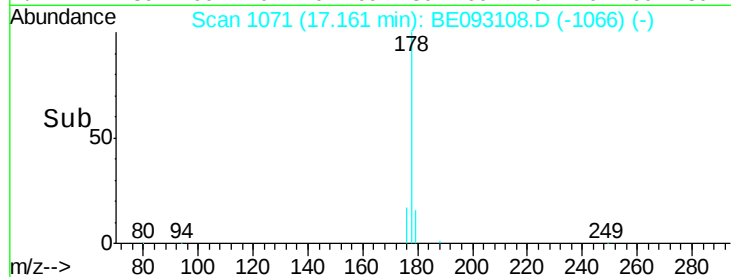
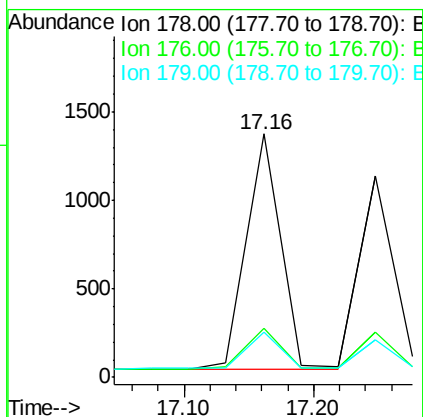
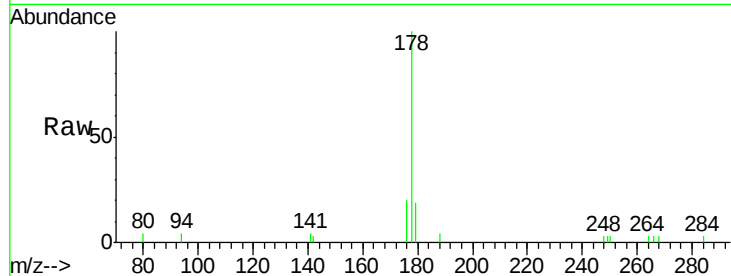




#23
Phenanthrene
Concen: 0.254 ng
RT: 17.16 min Scan# 1071
Delta R.T. 0.00 min
Lab File: BE093108.D
Acq: 12 Jun 2017 19:05

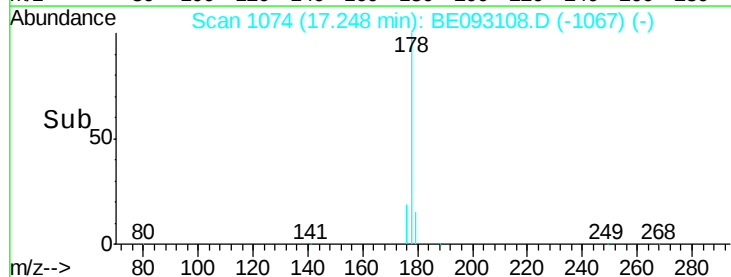
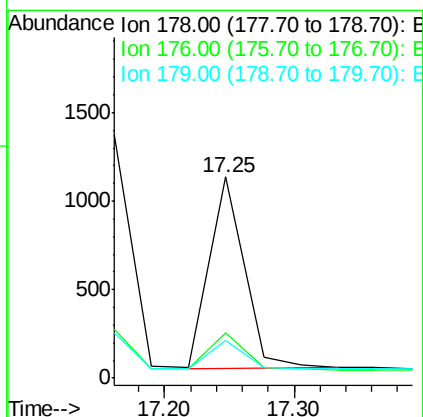
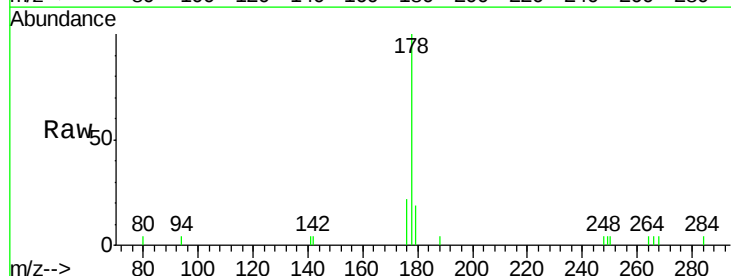
Instrument :
BNA_E
ClientSampleId :
PB99586BS

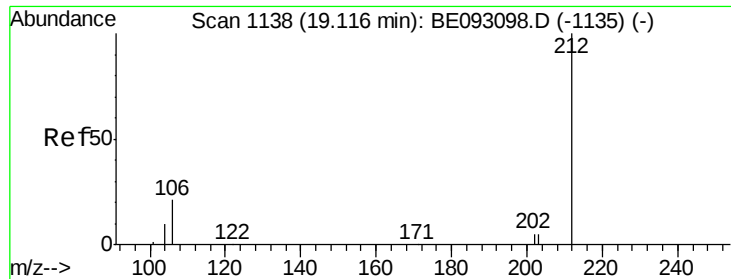
Tgt Ion:178 Resp: 2415
Ion Ratio Lower Upper
178 100
176 17.9 15.0 22.4
179 15.7 12.7 19.1



#24
Anthracene
Concen: 0.247 ng
RT: 17.25 min Scan# 1074
Delta R.T. 0.00 min
Lab File: BE093108.D
Acq: 12 Jun 2017 19:05

Tgt Ion:178 Resp: 1996
Ion Ratio Lower Upper
178 100
176 19.0 14.6 22.0
179 14.8 12.0 18.0





#25

Fluoranthene-d10

Concen: 0.233 ng

RT: 19.12 min Scan# 1139

Delta R.T. -0.00 min

Lab File: BE093108.D

Acq: 12 Jun 2017 19:05

Instrument :

BNA_E

ClientSampleId :

PB99586BS

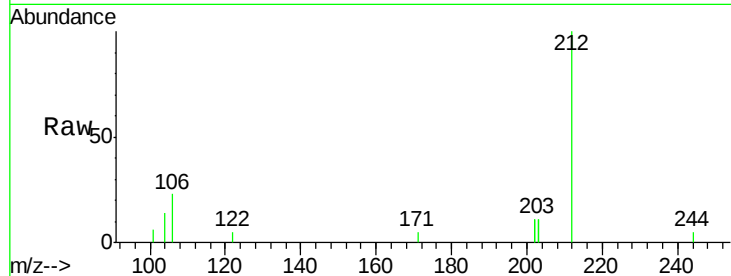
Tgt Ion:212 Resp: 1620

Ion Ratio Lower Upper

212 100

106 16.2 0.0 0.0#

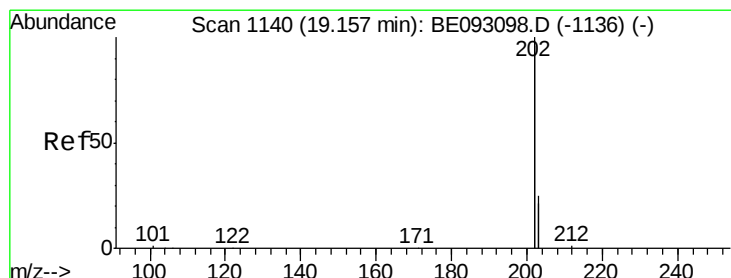
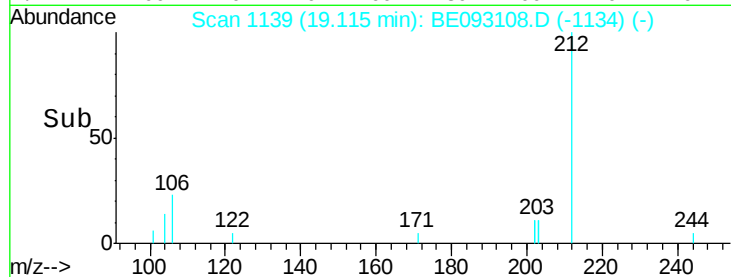
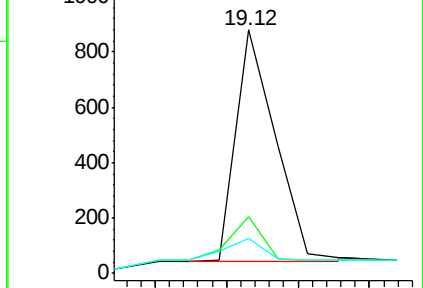
104 8.9 0.0 0.0#



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: 0.234 ng

RT: 19.16 min Scan# 1141

Delta R.T. -0.00 min

Lab File: BE093108.D

Acq: 12 Jun 2017 19:05

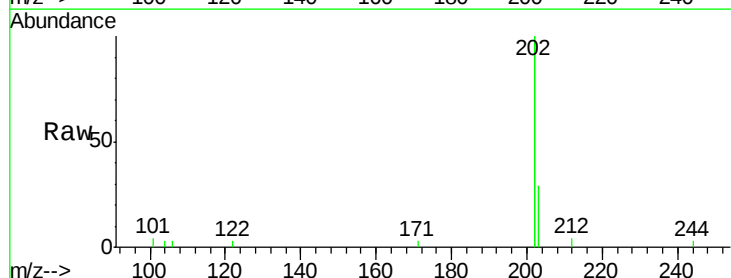
Tgt Ion:202 Resp: 8103

Ion Ratio Lower Upper

202 100

101 0.0 0.0 0.0

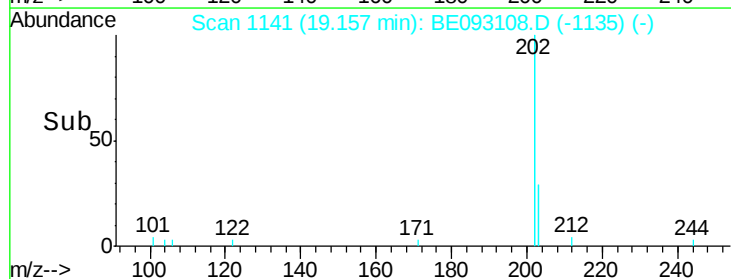
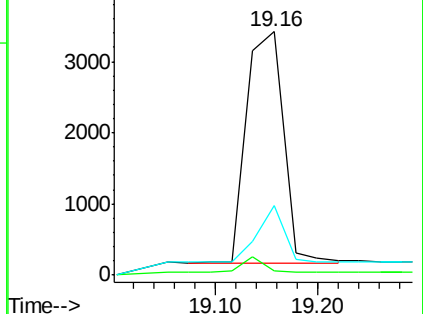
203 17.6 14.4 21.6

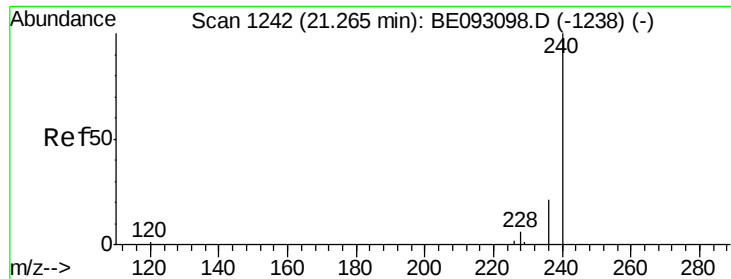


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

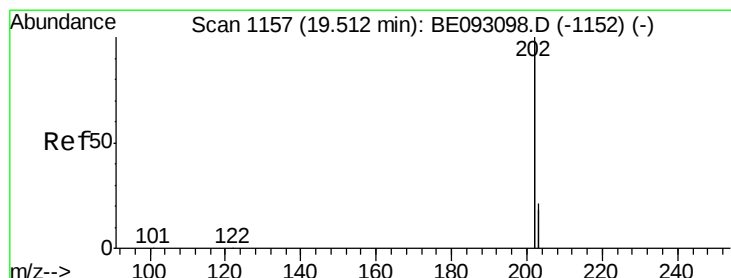
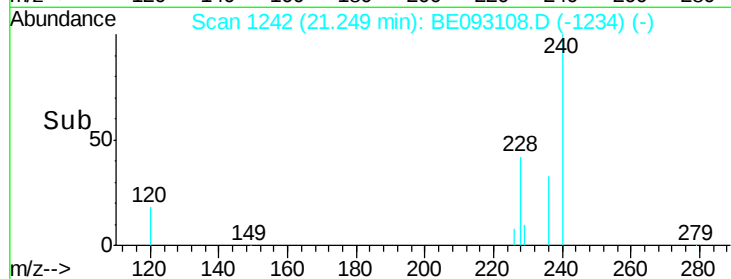
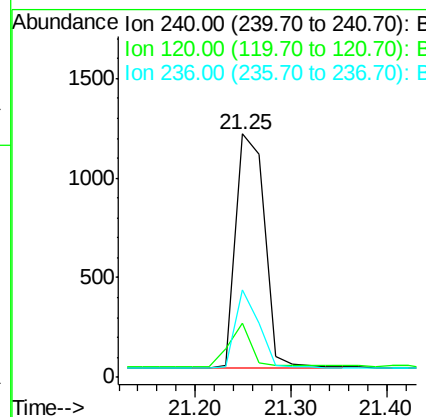
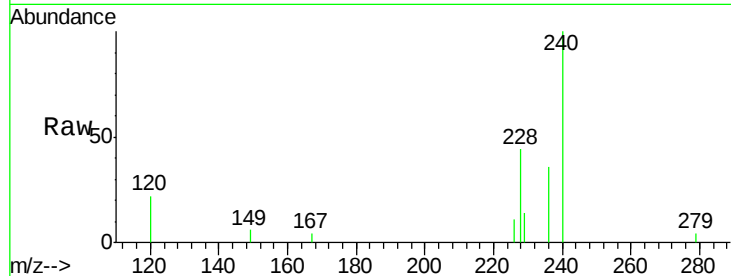




#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.25 min Scan# 1242
Delta R.T. -0.02 min
Lab File: BE093108.D
Acq: 12 Jun 2017 19:05

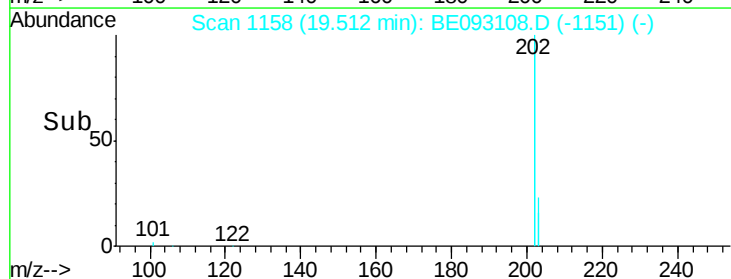
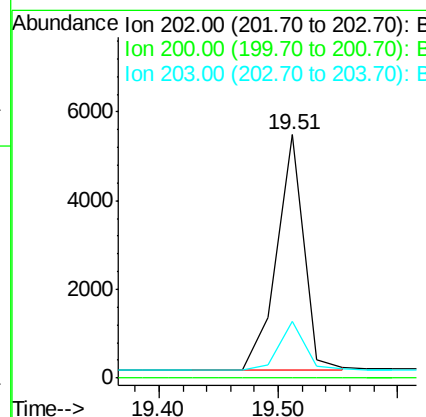
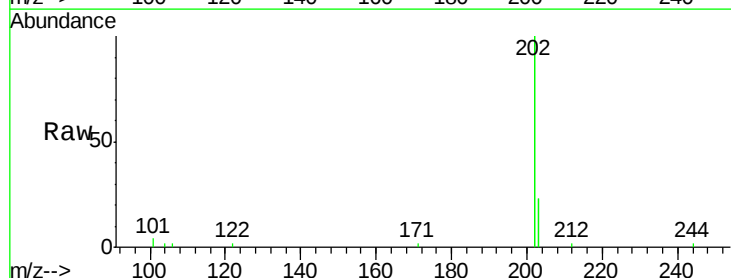
Instrument :
BNA_E
ClientSampleId :
PB99586BS

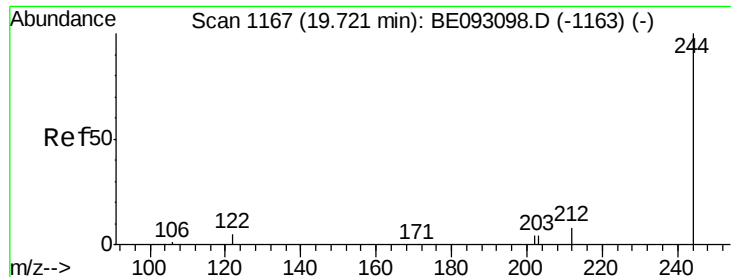
Tgt Ion: 240 Resp: 2474
Ion Ratio Lower Upper
240 100
120 22.2 4.6 7.0#
236 35.8 20.8 31.2#



#28
Pyrene
Concen: 0.283 ng
RT: 19.51 min Scan# 1158
Delta R.T. -0.00 min
Lab File: BE093108.D
Acq: 12 Jun 2017 19:05

Tgt Ion: 202 Resp: 8525
Ion Ratio Lower Upper
202 100
200 0.0 0.0 0.0
203 19.2 13.7 20.5





#29

Terphenyl-d14

Concen: 0.304 ng

RT: 19.72 min Scan# 1168

Delta R.T. -0.00 min

Lab File: BE093108.D

Acq: 12 Jun 2017 19:05

Instrument :

BNA_E

ClientSampleId :

PB99586BS

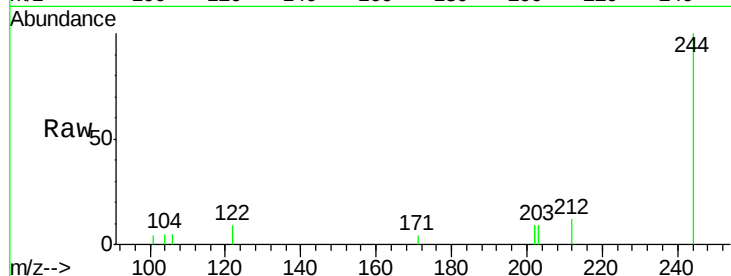
Tgt Ion:244 Resp: 1449

Ion Ratio Lower Upper

244 100

212 12.1 10.6 16.0

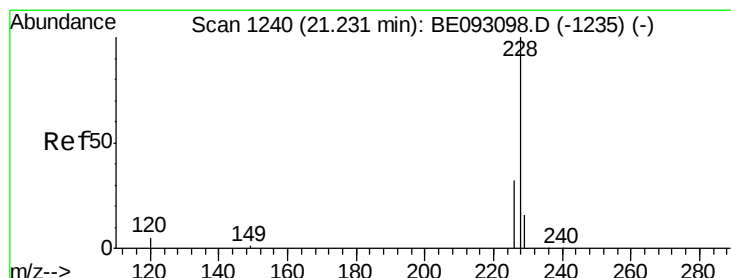
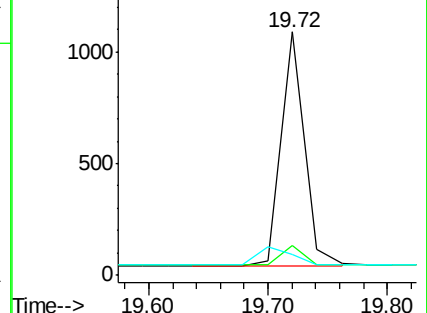
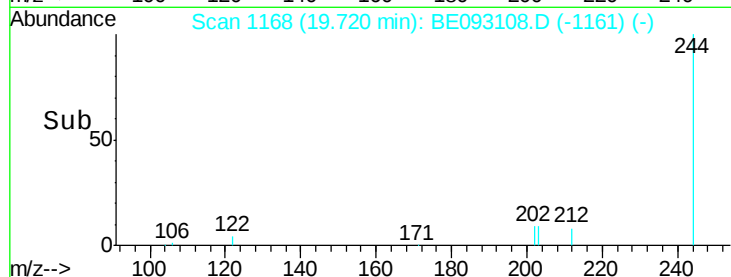
122 8.5 15.4 23.0#



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: 0.273 ng

RT: 21.23 min Scan# 1241

Delta R.T. 0.00 min

Lab File: BE093108.D

Acq: 12 Jun 2017 19:05

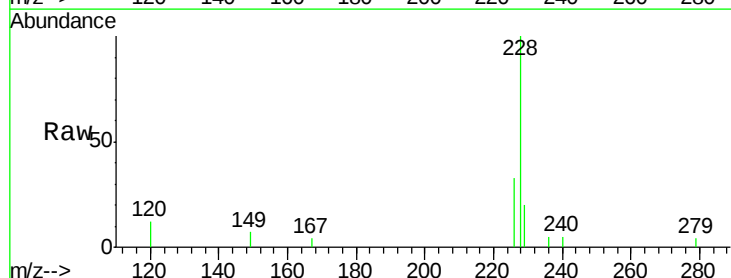
Tgt Ion:228 Resp: 1821

Ion Ratio Lower Upper

228 100

226 32.7 19.7 29.5#

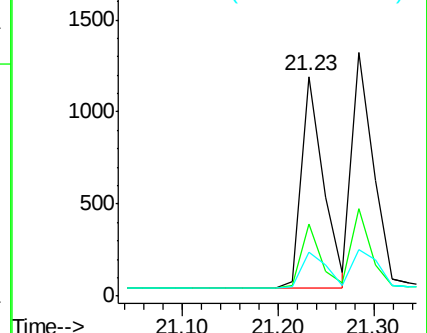
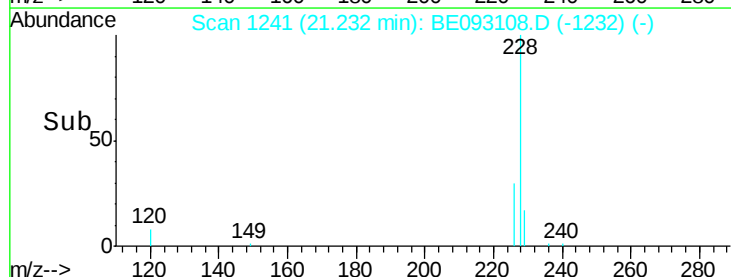
229 19.7 19.2 28.8

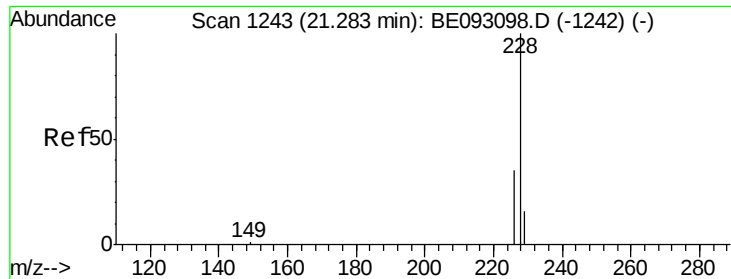


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.281 ng

RT: 21.28 min Scan# 1244

Delta R.T. 0.00 min

Lab File: BE093108.D

Acq: 12 Jun 2017 19:05

Instrument :

BNA_E

ClientSampleId :

PB99586BS

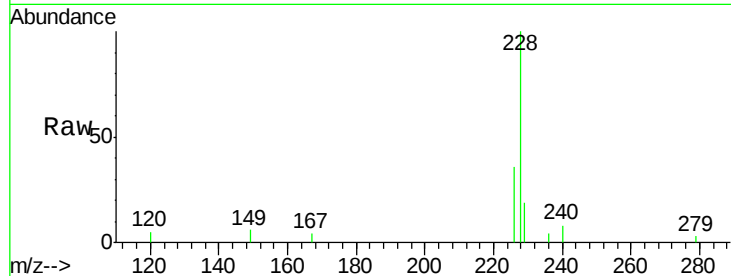
Tgt Ion:228 Resp: 2005

Ion Ratio Lower Upper

228 100

226 35.8 21.5 32.3#

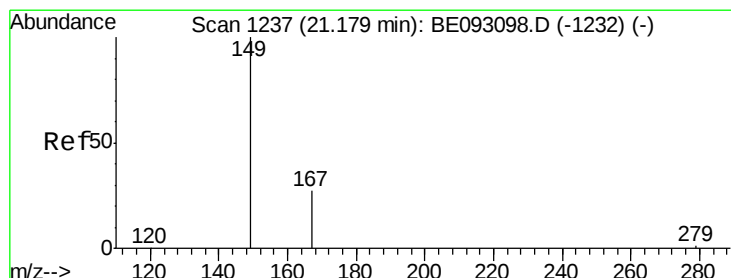
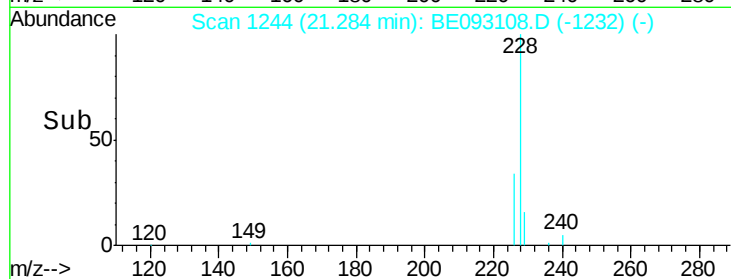
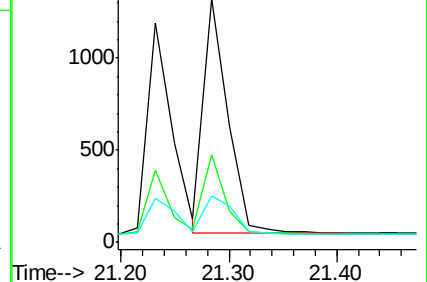
229 19.2 18.6 28.0



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: 0.163 ng

RT: 21.18 min Scan# 1238

Delta R.T. 0.00 min

Lab File: BE093108.D

Acq: 12 Jun 2017 19:05

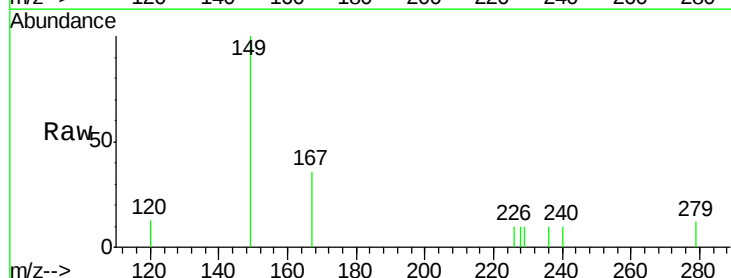
Tgt Ion:149 Resp: 490

Ion Ratio Lower Upper

149 100

167 26.9 20.1 30.1

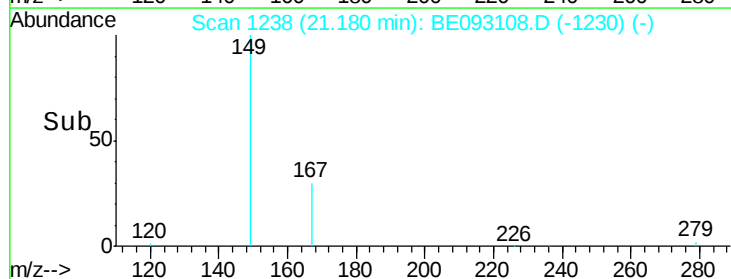
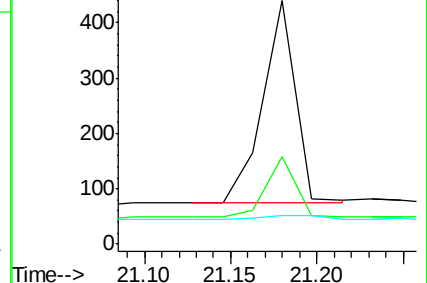
279 0.0 2.2 3.4#

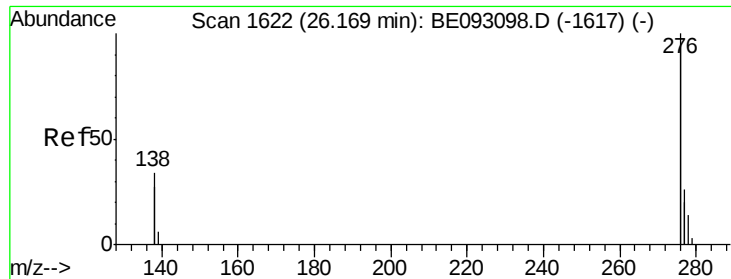


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.305 ng

RT: 26.17 min Scan# 1623

Delta R.T. -0.00 min

Lab File: BE093108.D

Acq: 12 Jun 2017 19:05

Instrument :

BNA_E

ClientSampleId :

PB99586BS

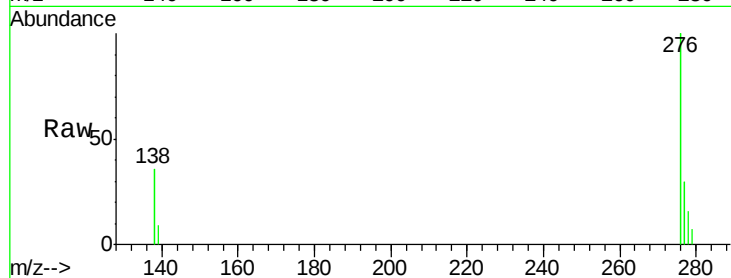
Tgt Ion:276 Resp: 8111

Ion Ratio Lower Upper

276 100

138 33.6 27.4 41.2

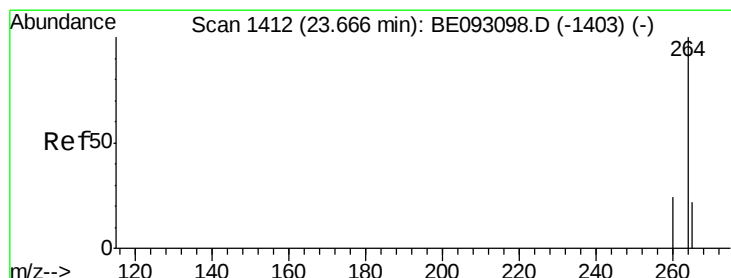
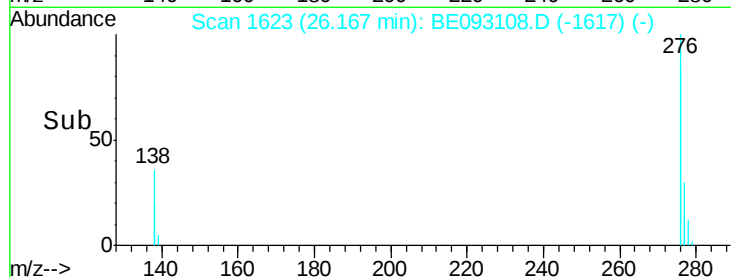
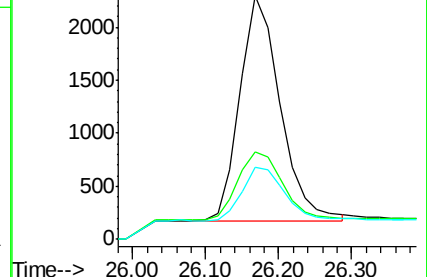
277 25.1 20.1 30.1



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: 0.400 ng

RT: 23.67 min Scan# 1413

Delta R.T. 0.00 min

Lab File: BE093108.D

Acq: 12 Jun 2017 19:05

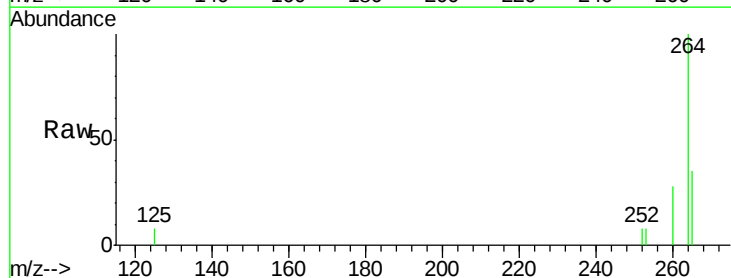
Tgt Ion:264 Resp: 1911

Ion Ratio Lower Upper

264 100

260 27.6 21.0 31.4

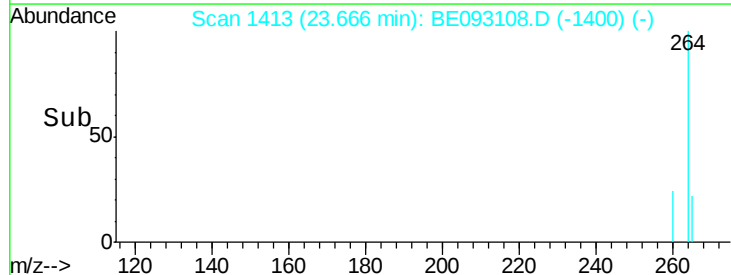
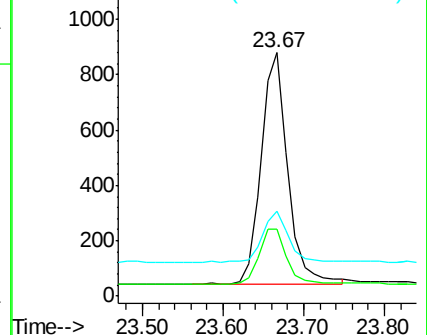
265 34.7 24.6 36.8

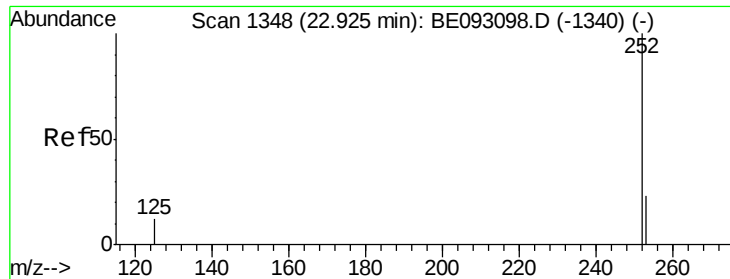


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.312 ng

RT: 22.93 min Scan# 1349

Delta R.T. 0.00 min

Lab File: BE093108.D

Acq: 12 Jun 2017 19:05

Instrument :

BNA_E

ClientSampleId :

PB99586BS

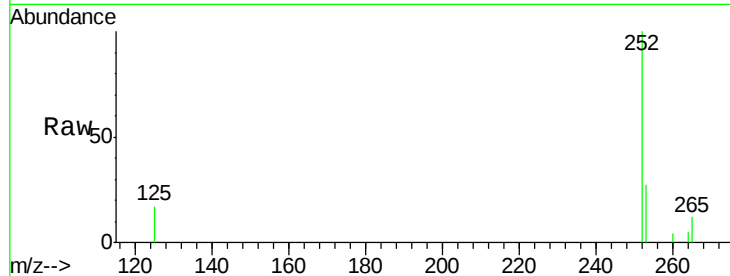
Tgt Ion:252 Resp: 1914

Ion Ratio Lower Upper

252 100

253 27.4 18.5 27.7

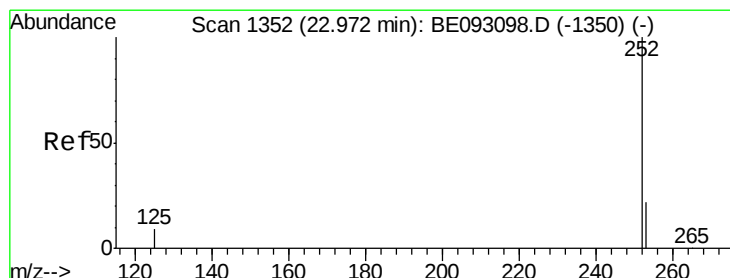
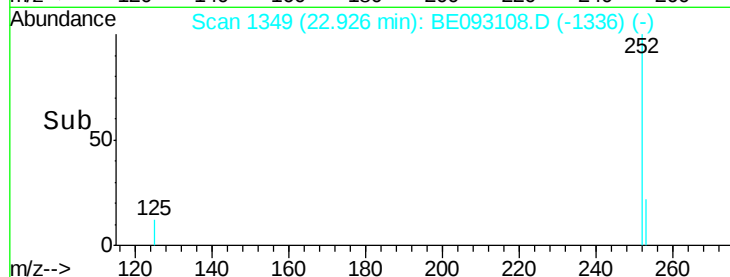
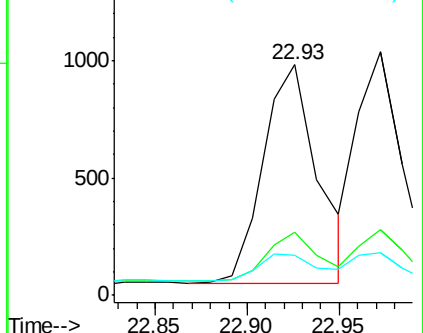
125 17.4 13.4 20.0



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: 0.284 ng

RT: 22.97 min Scan# 1353

Delta R.T. 0.00 min

Lab File: BE093108.D

Acq: 12 Jun 2017 19:05

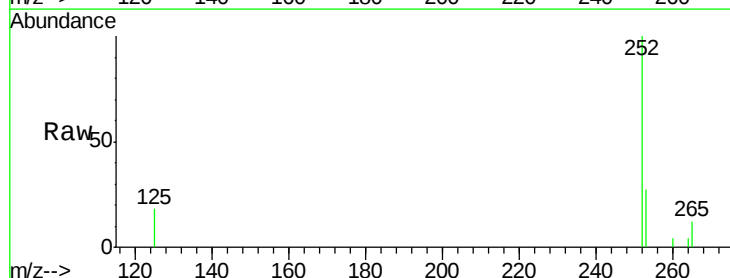
Tgt Ion:252 Resp: 1684

Ion Ratio Lower Upper

252 100

253 27.0 20.3 30.5

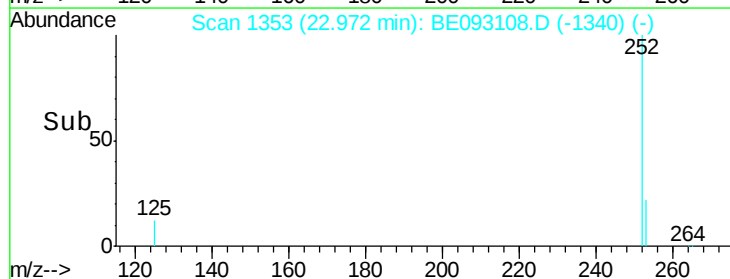
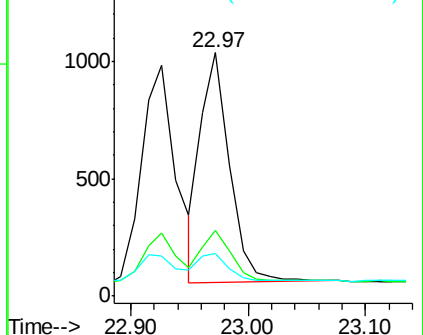
125 17.6 12.2 18.4

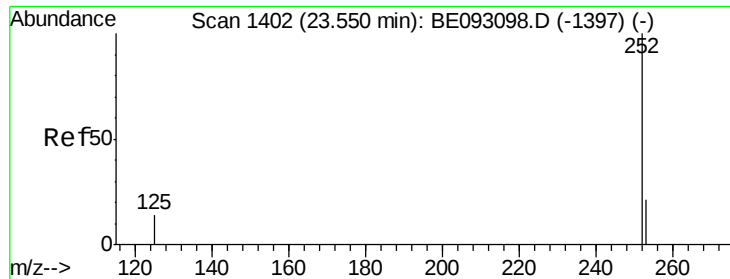


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.292 ng

RT: 23.55 min Scan# 1403

Delta R.T. 0.00 min

Lab File: BE093108.D

Acq: 12 Jun 2017 19:05

Instrument :

BNA_E

ClientSampleId :

PB99586BS

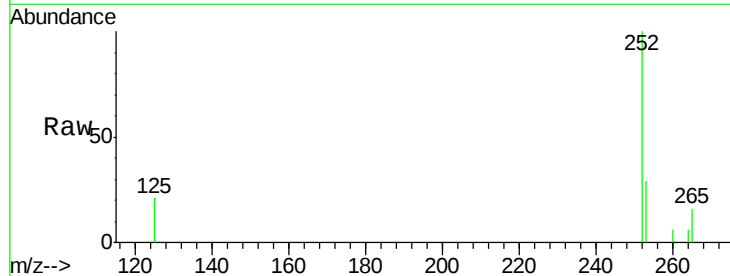
Tgt Ion:252 Resp: 1550

Ion Ratio Lower Upper

252 100

253 28.7 19.9 29.9

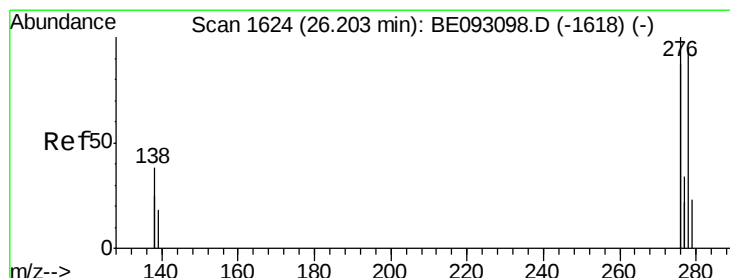
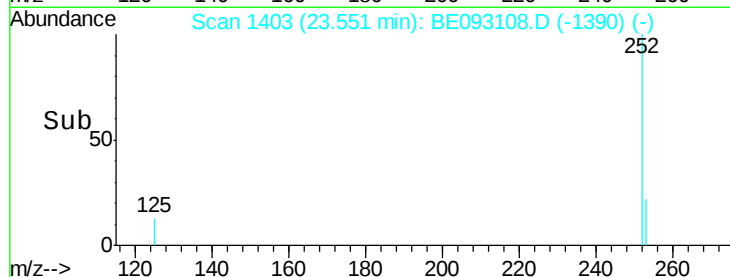
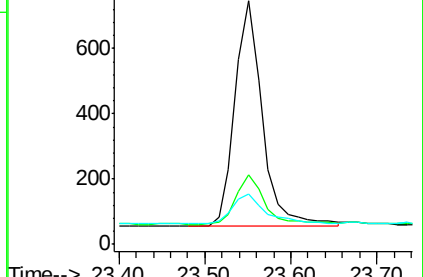
125 20.9 14.6 21.8



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: 0.322 ng

RT: 26.20 min Scan# 1625

Delta R.T. -0.00 min

Lab File: BE093108.D

Acq: 12 Jun 2017 19:05

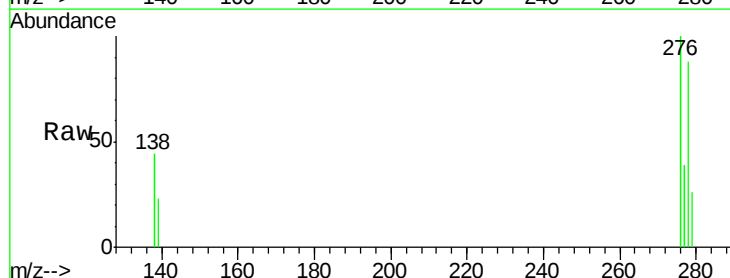
Tgt Ion:278 Resp: 1783

Ion Ratio Lower Upper

278 100

139 26.7 21.4 32.0

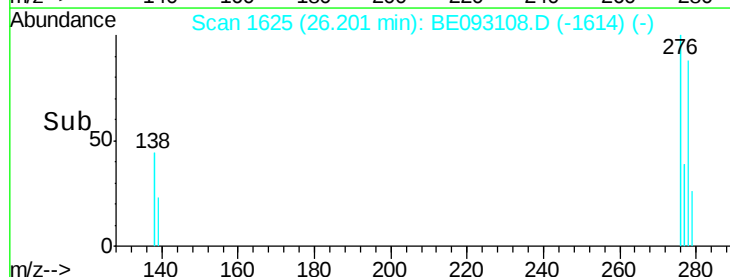
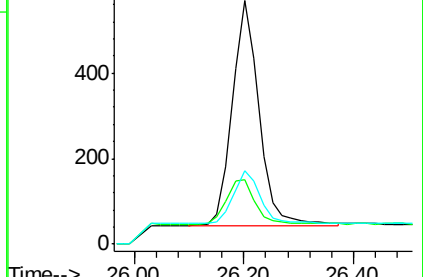
279 30.2 22.2 33.2

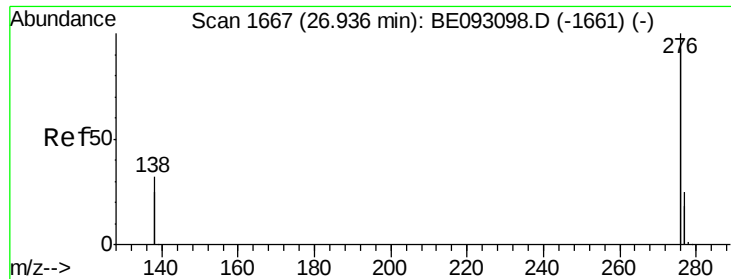


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.338 ng

RT: 26.93 min Scan# 1668

Delta R.T. -0.00 min

Lab File: BE093108.D

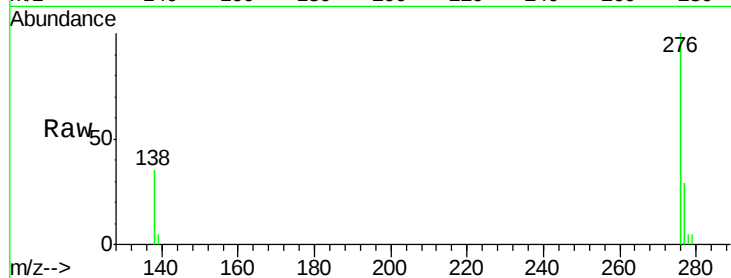
Acq: 12 Jun 2017 19:05

Instrument :

BNA_E

ClientSampleId :

PB99586BS



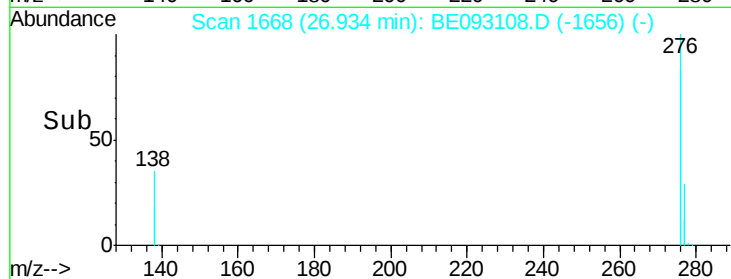
Tgt Ion: 276 Resp: 7543

Ion Ratio Lower Upper

276 100

277 28.8 21.2 31.8

138 35.3 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

