

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE051217\
 Data File : BE093011.D
 Acq On : 12 May 2017 10:51
 Operator : SJ/MA
 Sample : PB98886BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB98886BS

Quant Time: May 12 17:22:14 2017
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE051117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 11 14:48:08 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.75	152	1046	0.40	ng	-0.02
7) Naphthalene-d8	10.53	136	3906	0.40	ng	0.00
13) Acenaphthene-d10	14.39	164	1626	0.40	ng	0.00
19) Phenanthrene-d10	17.13	188	3434	0.40	ng	0.00
27) Chrysene-d12	21.28	240	3830	0.40	ng	0.00
34) Perylene-d12	23.70	264	3400	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.36	112	911	0.32	ng	0.00
5) Phenol-d6	6.92	99	1136	0.32	ng	-0.02
8) Nitrobenzene-d5	8.88	82	974	0.32	ng	-0.02
11) 2-Methylnaphthalene-d10	12.11	152	2090	0.38	ng	-0.02
14) 2,4,6-Tribromophenol	15.88	330	124	0.28	ng	0.00
15) 2-Fluorobiphenyl	13.01	172	2139	0.33	ng	0.00
25) Fluoranthene-d10	19.14	212	2609	0.29	ng	-0.02
29) Terphenyl-d14	19.74	244	2313	0.34	ng	0.00

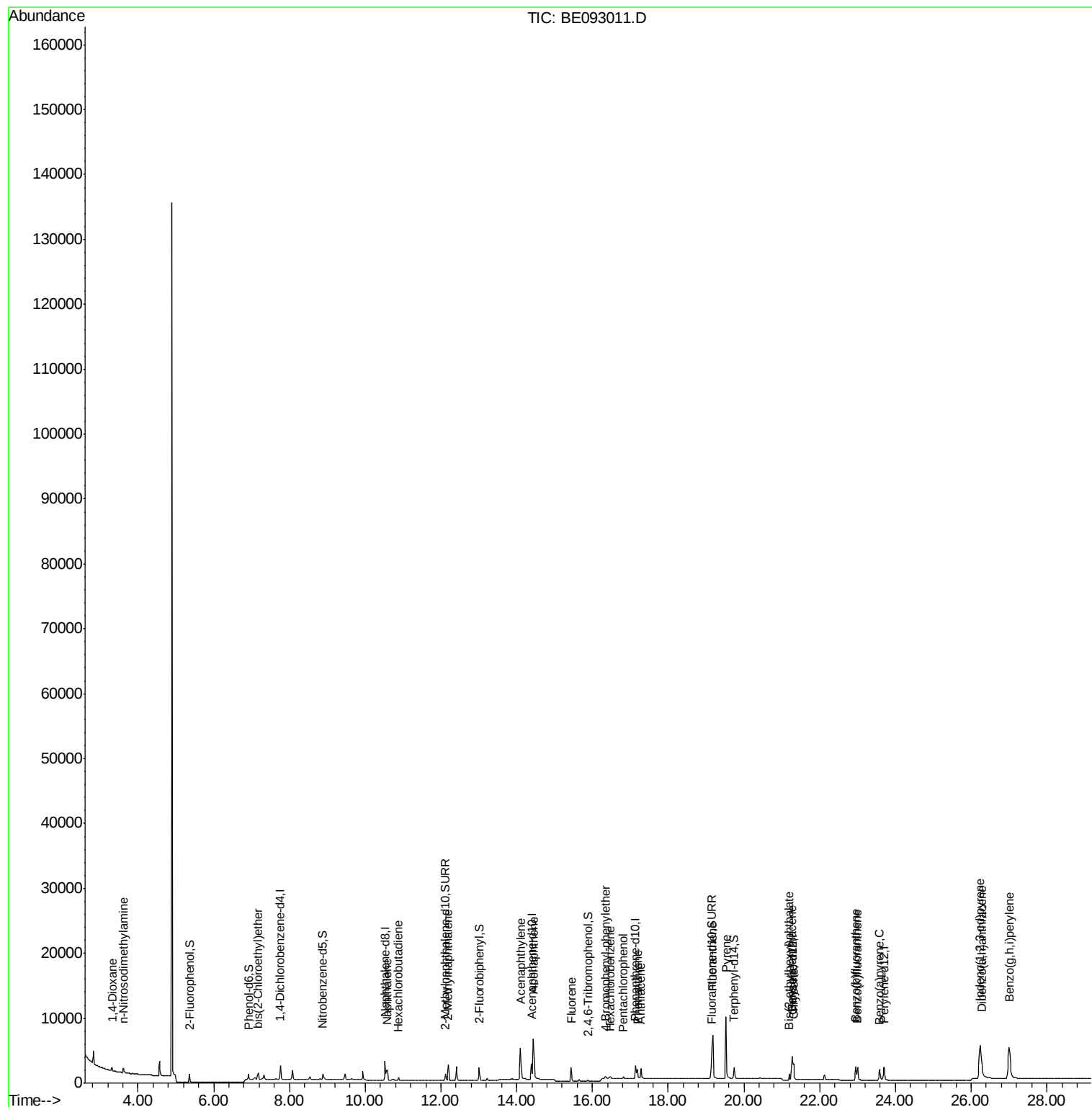
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.32	88	415	0.20	ng	# 36
3) n-Nitrosodimethylamine	3.61	42	508	0.28	ng	93
6) bis(2-Chloroethyl)ether	7.18	93	1031	0.29	ng	# 100
9) Naphthalene	10.58	128	3040	0.29	ng	99
10) Hexachlorobutadiene	10.87	225	412	0.29	ng	97
12) 2-Methylnaphthalene	12.19	142	1790	0.29	ng	97
16) Acenaphthylene	14.10	152	7945	0.29	ng	99
17) Acenaphthene	14.44	154	1446	0.29	ng	99
18) Fluorene	15.44	166	1698	0.27	ng	98
20) 4-Bromophenyl-phenylether	16.36	248	340	0.31	ng	99
21) Hexachlorobenzene	16.47	284	502	0.27	ng	# 100
22) Pentachlorophenol	16.82	266	338	0.85	ng	89
23) Phenanthrene	17.19	178	2488	0.30	ng	99
24) Anthracene	17.28	178	2360	0.33	ng	99
26) Fluoranthene	19.18	202	12159	0.28	ng	# 100
28) Pyrene	19.53	202	13146	0.27	ng	# 97
30) Benzo(a)anthracene	21.27	228	2821	0.30	ng	99
31) Chrysene	21.32	228	3402	0.29	ng	99
32) Bis(2-ethylhexyl)phthalate	21.20	149	925	0.30	ng	# 99
33) Indeno(1,2,3-cd)pyrene	26.24	276	14121	0.38	ng	98
35) Benzo(b)fluoranthene	22.95	252	3110	0.28	ng	98
36) Benzo(k)fluoranthene	23.00	252	3274	0.30	ng	95
37) Benzo(a)pyrene	23.59	252	2911	0.31	ng	98
38) Dibenzo(a,h)anthracene	26.27	278	2806	0.32	ng	97
39) Benzo(g,h,i)perylene	27.00	276	12675	0.32	ng	98

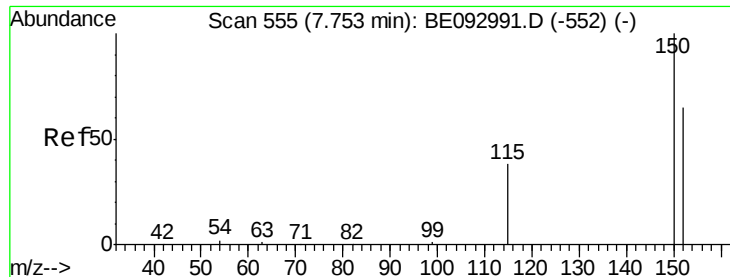
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.40 ng

RT: 7.75 min Scan# 555

Delta R.T. -0.02 min

Lab File: BE093011.D

Acq: 12 May 2017 10:51

Instrument :

BNA_E

ClientSampleId :

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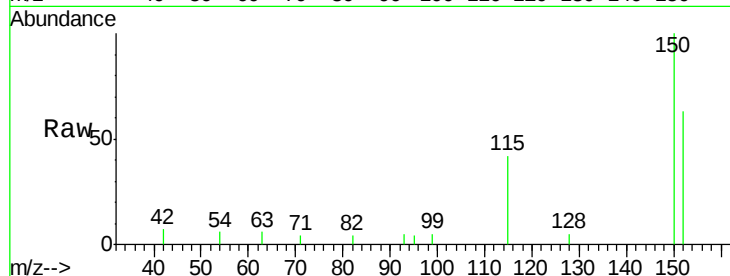
Tgt Ion: 152 Resp: 1046

Ion Ratio Lower Upper

152 100

150 158.2 125.1 187.7

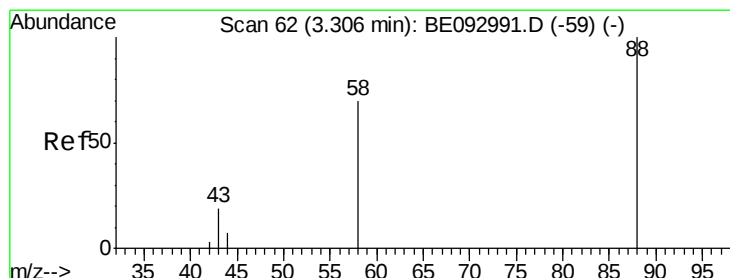
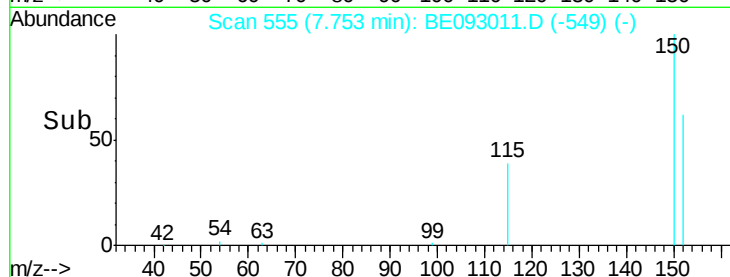
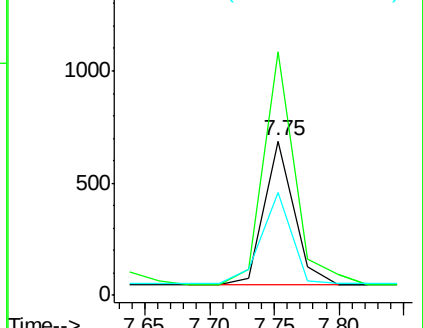
115 67.1 55.7 83.5



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: 0.20 ng

RT: 3.32 min Scan# 63

Delta R.T. 0.01 min

Lab File: BE093011.D

Acq: 12 May 2017 10:51

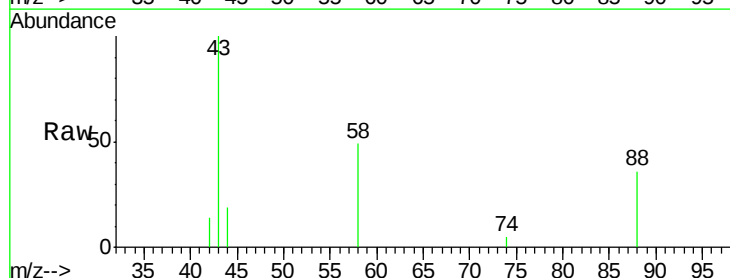
Tgt Ion: 88 Resp: 415

Ion Ratio Lower Upper

88 100

58 107.2 62.2 93.4#

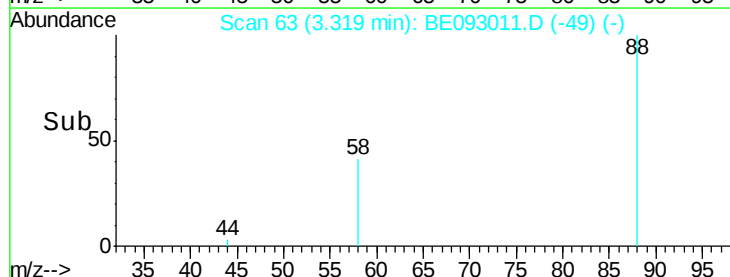
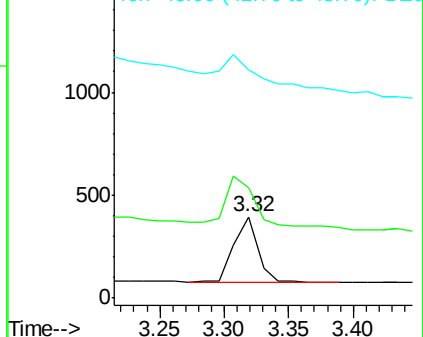
43 106.3 23.2 34.8#

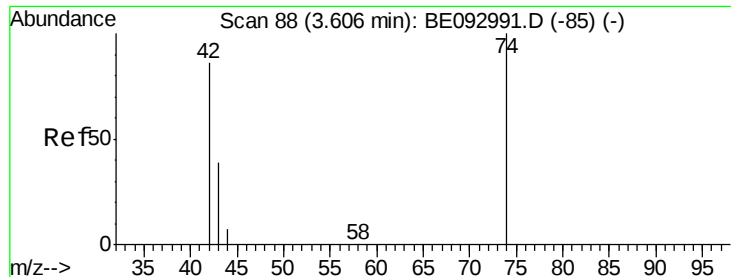


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.28 ng

RT: 3.61 min Scan# 88

Delta R.T. 0.00 min

Lab File: BE093011.D

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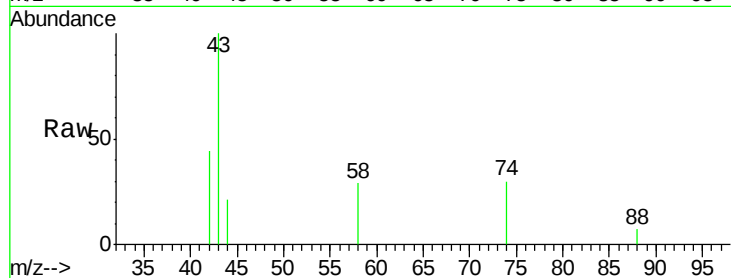
Tgt Ion: 42 Resp: 508

Ion Ratio Lower Upper

42 100

74 131.9 99.1 148.7

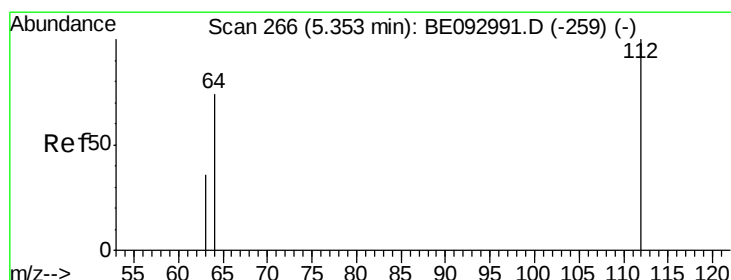
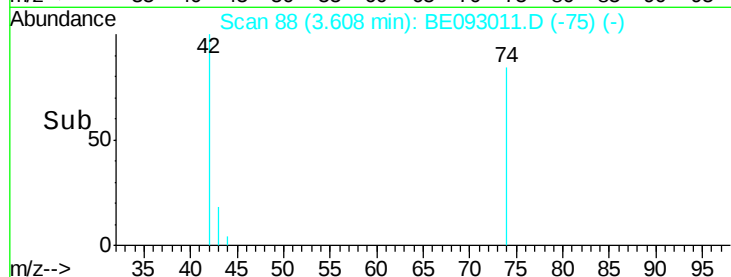
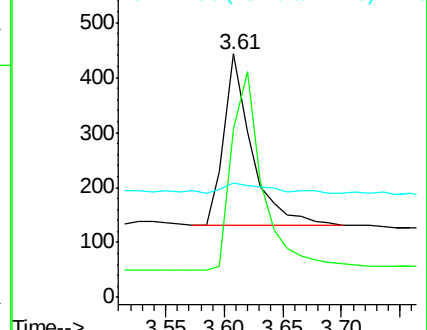
44 9.3 7.4 11.2



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: 0.32 ng

RT: 5.36 min Scan# 267

Delta R.T. 0.00 min

Lab File: BE093011.D

Acq: 12 May 2017 10:51

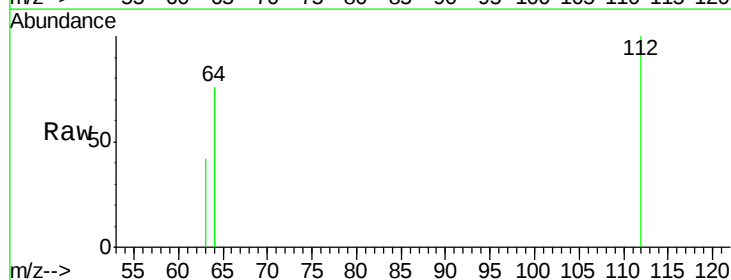
Tgt Ion: 112 Resp: 911

Ion Ratio Lower Upper

112 100

64 71.5 56.4 84.6

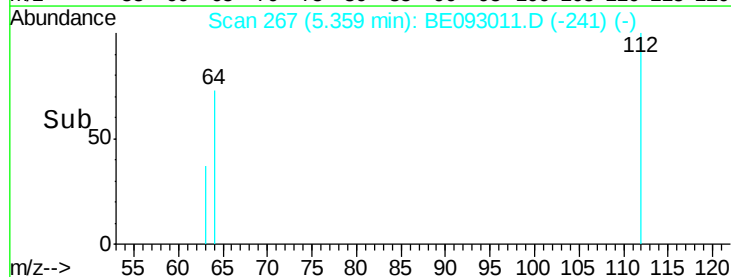
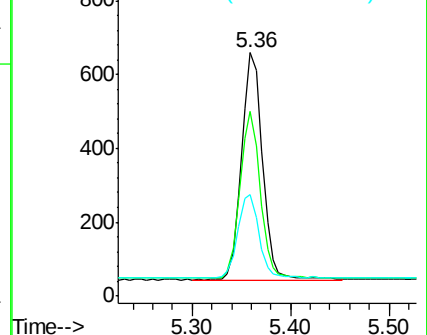
63 37.0 29.3 43.9

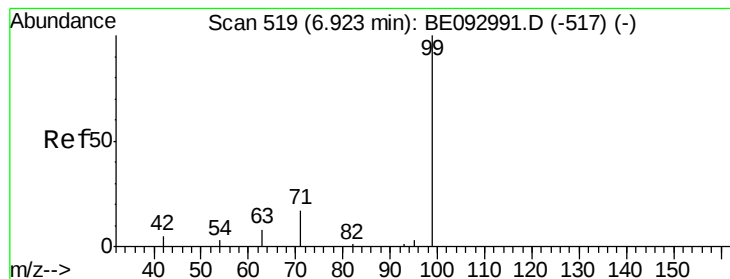


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.32 ng

RT: 6.92 min Scan# 519

Delta R.T. -0.02 min

Lab File: BE093011.D

Acq: 12 May 2017 10:51

Instrument :

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PB98886BS

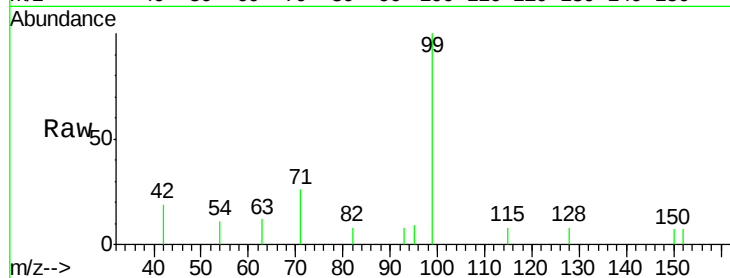
Tgt Ion: 99 Resp: 1136

Ion Ratio Lower Upper

99 100

42 0.0 0.0 0.0

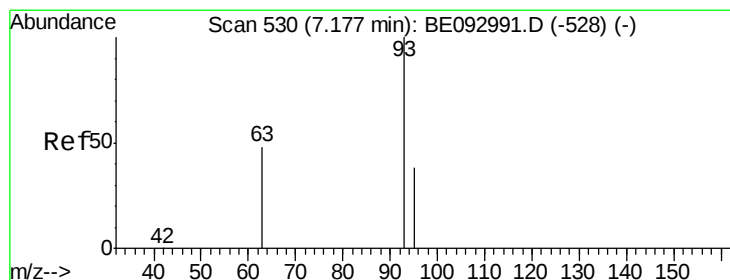
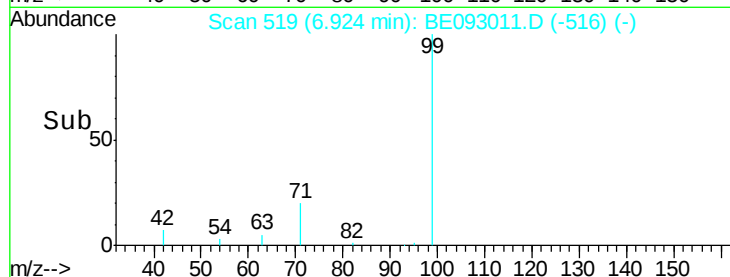
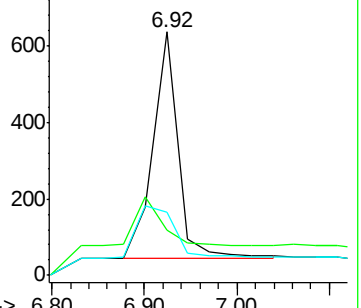
71 0.0 0.0 0.0



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



#6

bis(2-Chloroethyl)ether

Concen: 0.29 ng

RT: 7.18 min Scan# 530

Delta R.T. -0.02 min

Lab File: BE093011.D

Acq: 12 May 2017 10:51

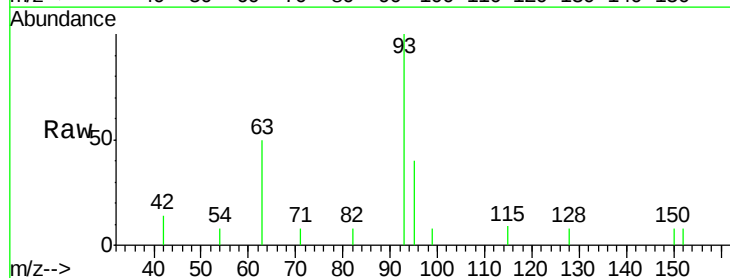
Tgt Ion: 93 Resp: 1031

Ion Ratio Lower Upper

93 100

63 0.0 0.0 0.0

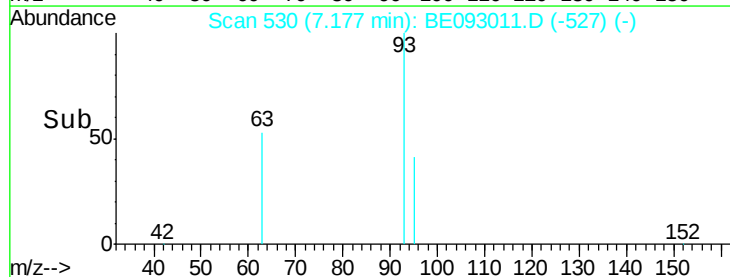
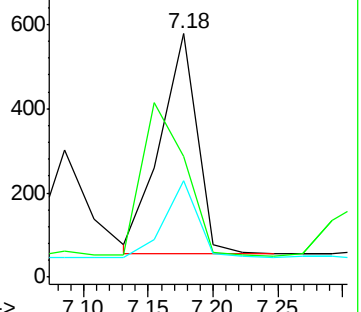
95 31.6 25.4 38.0

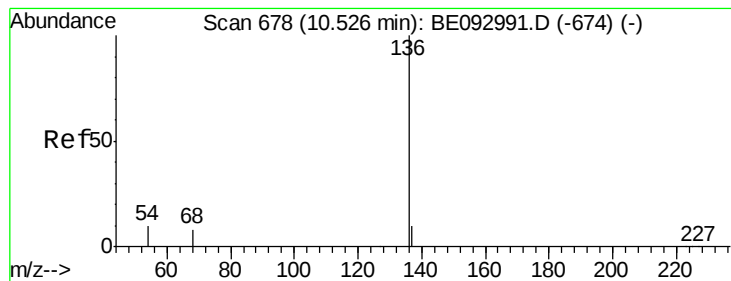


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: 10.53 min Scan# 678

Delta R.T. -0.00 min

Lab File: BE093011.D

Acq: 12 May 2017 10:51

Instrument :

BNA_E

ClientSampleId :

PB98886BS

Tgt Ion: 136 Resp: 3906

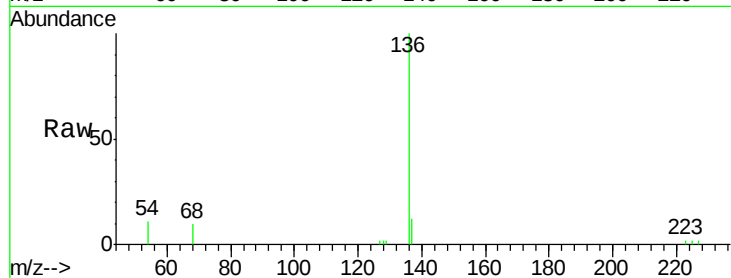
Ion Ratio Lower Upper

136 100

137 12.2 9.8 14.8

54 11.1 10.3 15.5

68 9.9 9.0 13.4

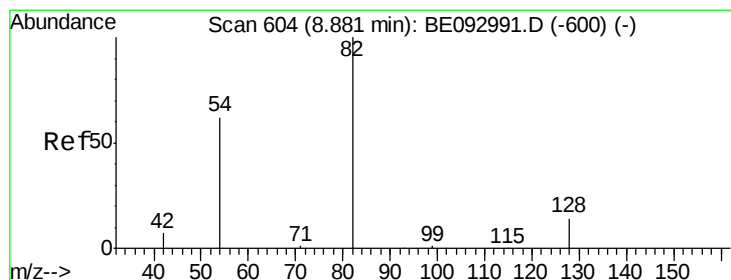
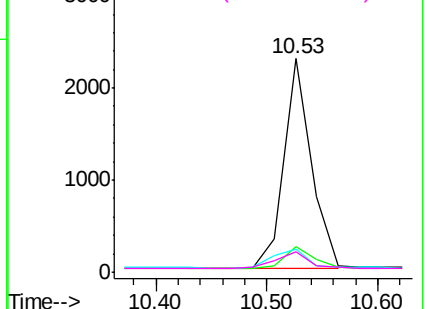
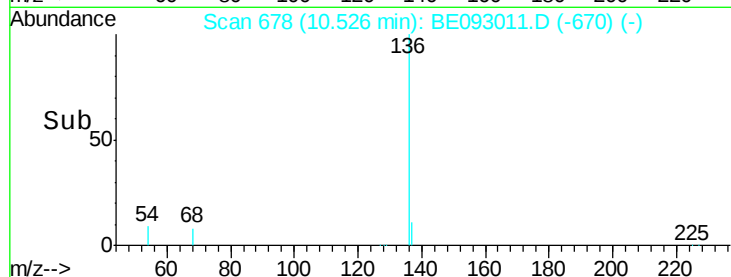


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



#8

Nitrobenzene-d5

Concen: 0.32 ng

RT: 8.88 min Scan# 604

Delta R.T. -0.02 min

Lab File: BE093011.D

Acq: 12 May 2017 10:51

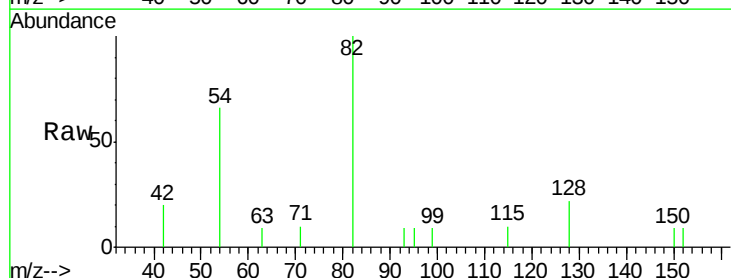
Tgt Ion: 82 Resp: 974

Ion Ratio Lower Upper

82 100

128 21.9 17.0 25.4

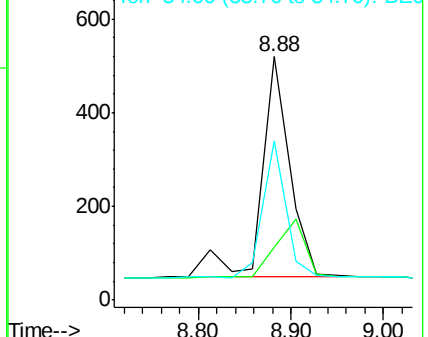
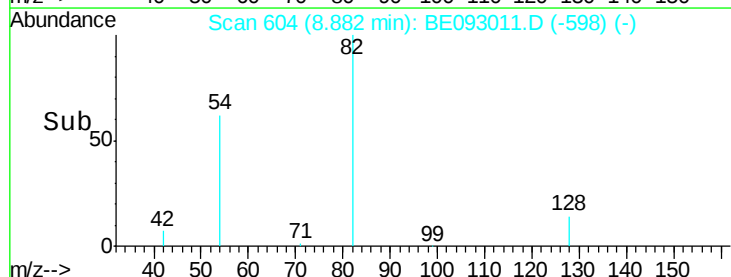
54 65.6 53.8 80.6

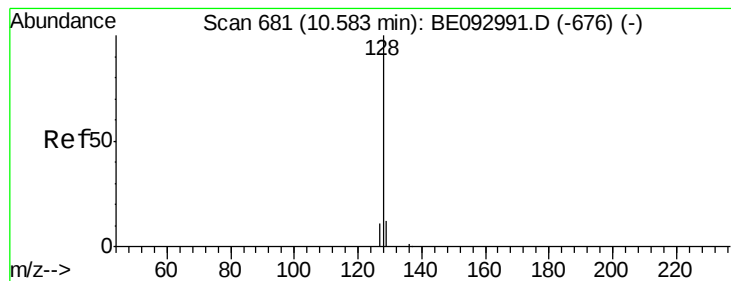


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.29 ng

RT: 10.58 min Scan# 681

Delta R.T. -0.00 min

Lab File: BE093011.D

Acq: 12 May 2017 10:51

Instrument :

BNA_E

ClientSampleId :

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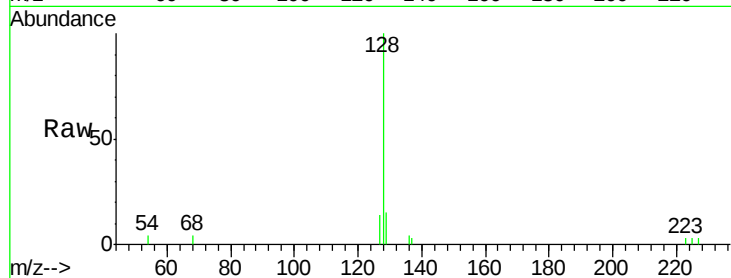
Tgt Ion:128 Resp: 3040

Ion Ratio Lower Upper

128 100

129 14.8 11.4 17.0

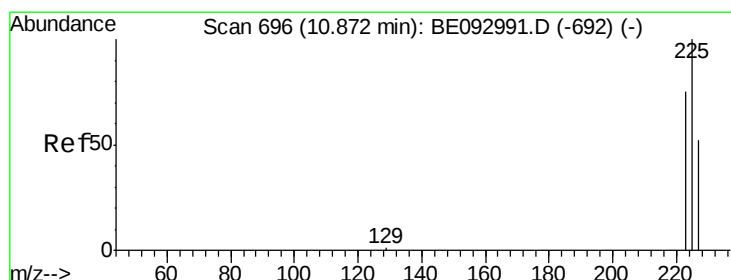
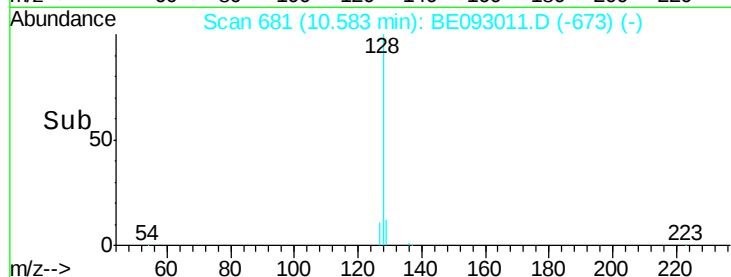
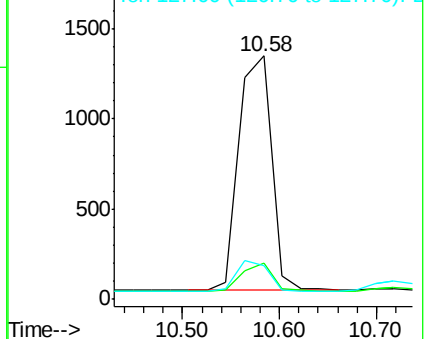
127 13.9 11.2 16.8



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: 0.29 ng

RT: 10.87 min Scan# 696

Delta R.T. -0.02 min

Lab File: BE093011.D

Acq: 12 May 2017 10:51

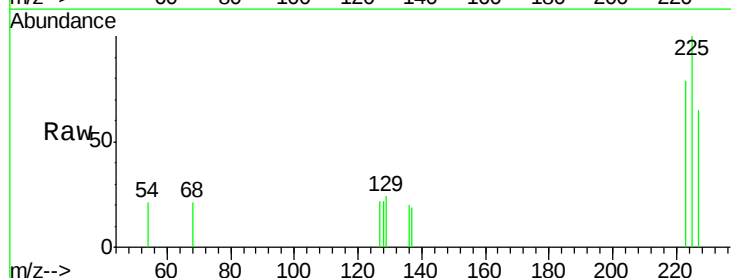
Tgt Ion:225 Resp: 412

Ion Ratio Lower Upper

225 100

223 64.3 49.7 74.5

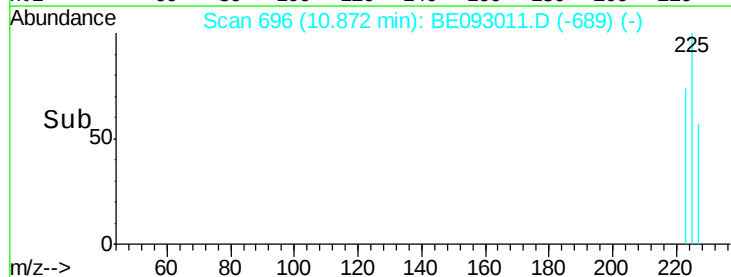
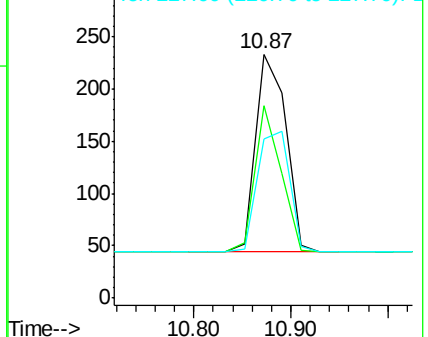
227 64.8 50.3 75.5

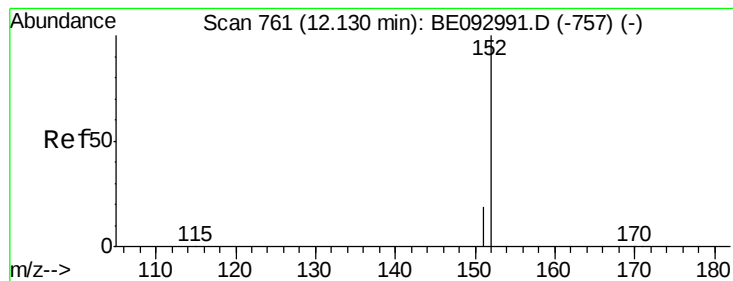


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.38 ng

RT: 12.11 min Scan# 760

Delta R.T. -0.02 min

Lab File: BE093011.D

Acq: 12 May 2017 10:51

Instrument :

BNA_E

ClientSampled :

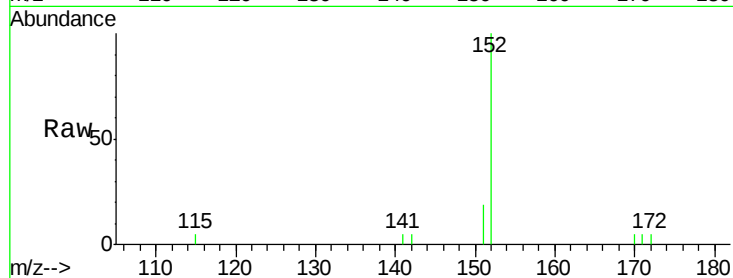
PB98886BS

Tgt Ion:152 Resp: 2090

Ion Ratio Lower Upper

152 100

151 14.5 15.1 22.7#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.11

1000

800

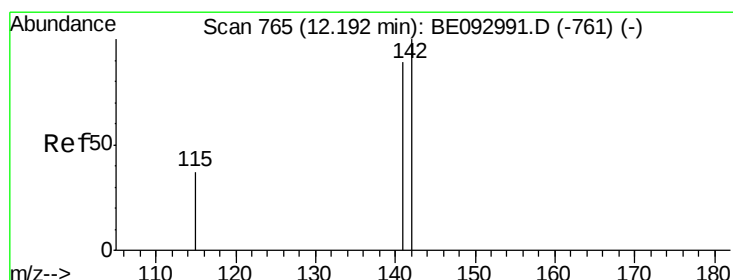
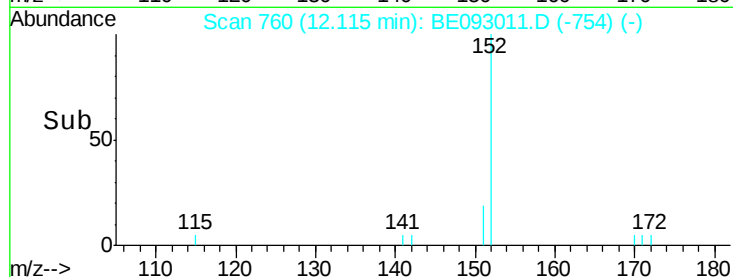
600

400

200

0

Time--> 12.00 12.10 12.20



#12

2-Methylnaphthalene

Concen: 0.29 ng

RT: 12.19 min Scan# 765

Delta R.T. -0.00 min

Lab File: BE093011.D

Acq: 12 May 2017 10:51

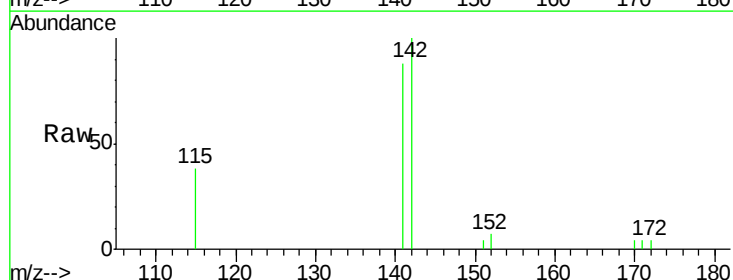
Tgt Ion:142 Resp: 1790

Ion Ratio Lower Upper

142 100

141 88.1 72.6 108.8

115 38.3 32.2 48.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

12.19

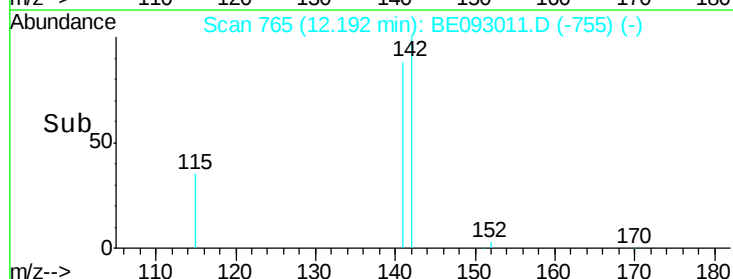
1500

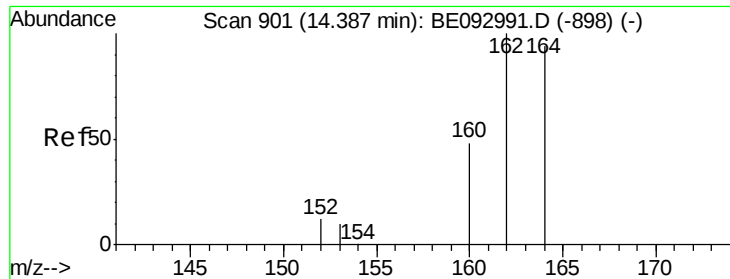
1000

500

0

Time--> 12.10 12.20 12.30





#13

Acenaphthene-d10

Concen: 0.40 ng

RT: 14.39 min Scan# 901

Delta R.T. 0.00 min

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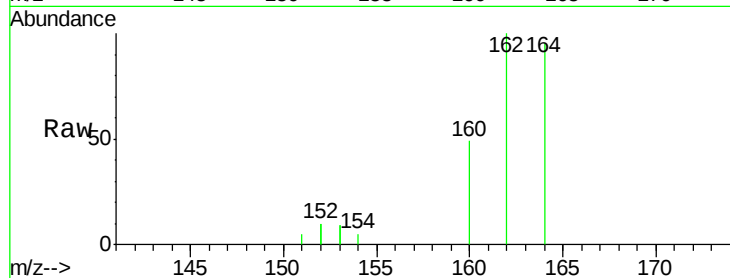
Tgt Ion:164 Resp: 1626

Ion Ratio Lower Upper

164 100

162 105.1 84.6 127.0

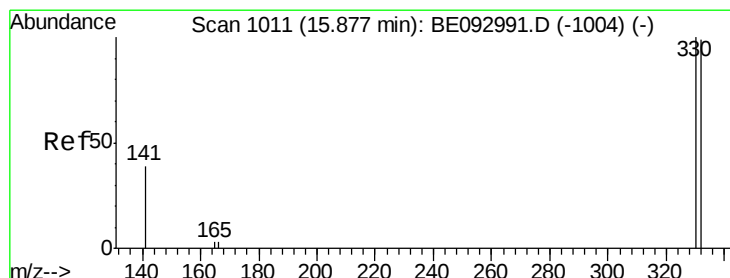
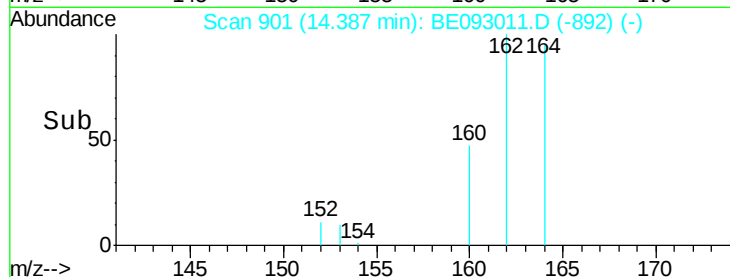
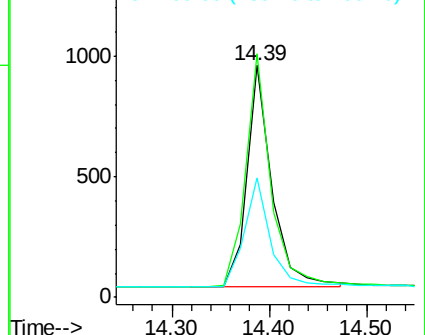
160 51.4 41.8 62.6



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: 0.28 ng

RT: 15.88 min Scan# 1010

Delta R.T. -0.00 min

Lab File: BE093011.D

Acq: 12 May 2017 10:51

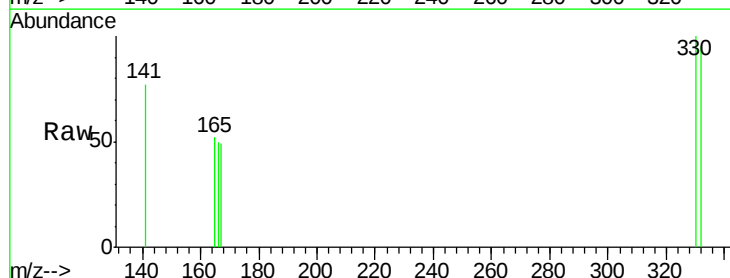
Tgt Ion:330 Resp: 124

Ion Ratio Lower Upper

330 100

332 98.4 77.7 116.5

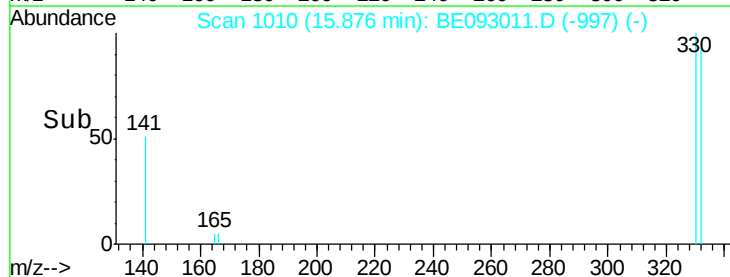
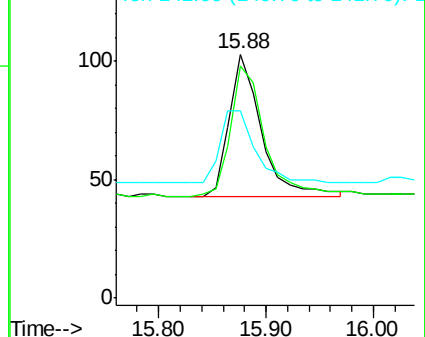
141 54.0 56.2 84.4#

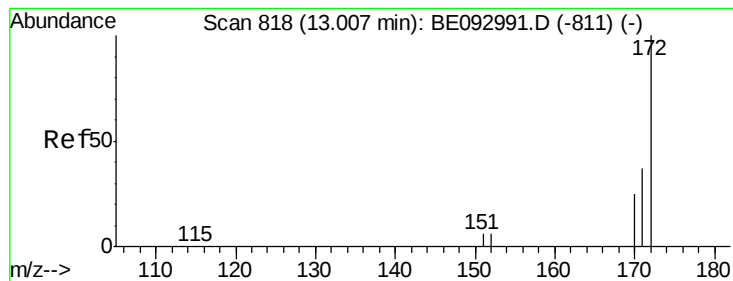


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

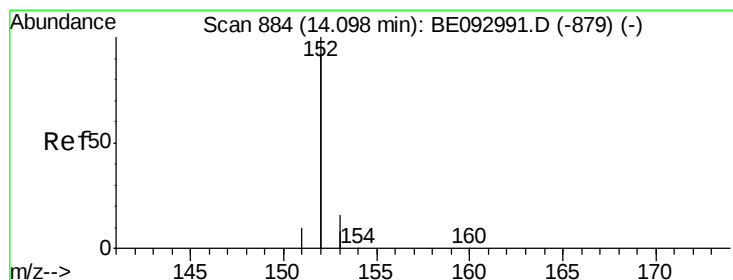
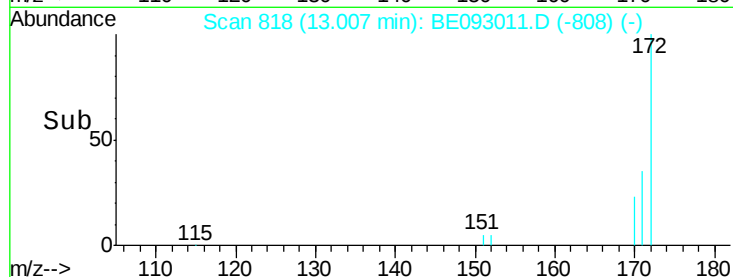
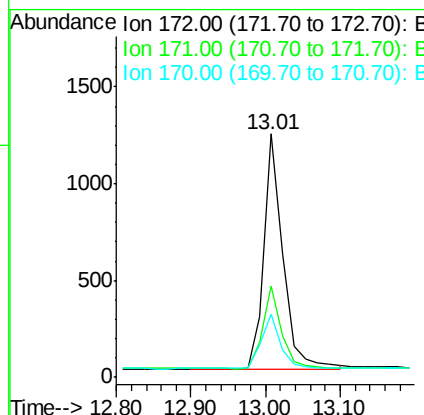
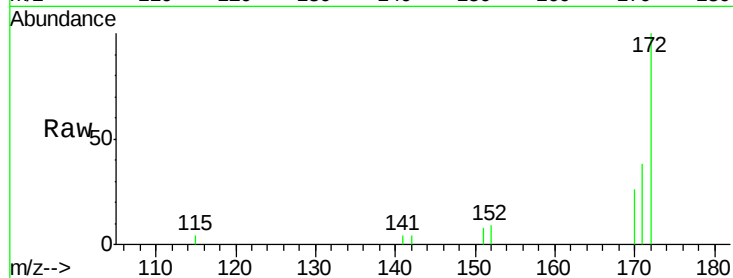




#15
2-Fluorobiphenyl
Concen: 0.33 ng
RT: 13.01 min Scan# 818
Delta R.T. -0.00 min
Lab File: BE093011.D
Acq: 12 May 2017 10:51

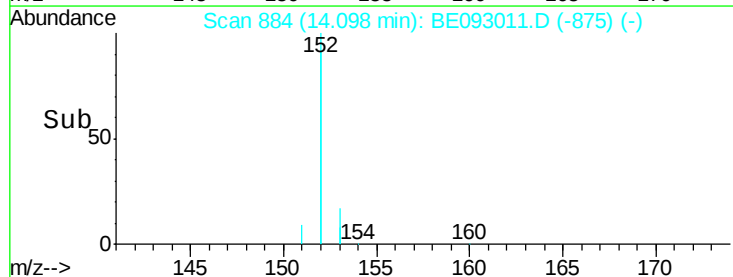
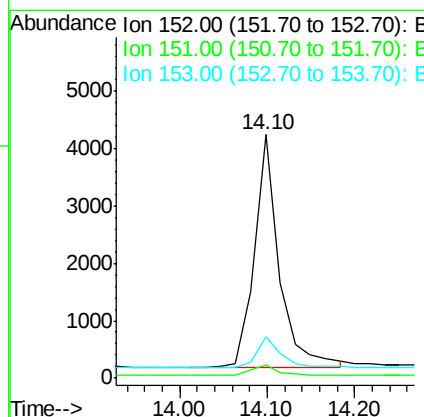
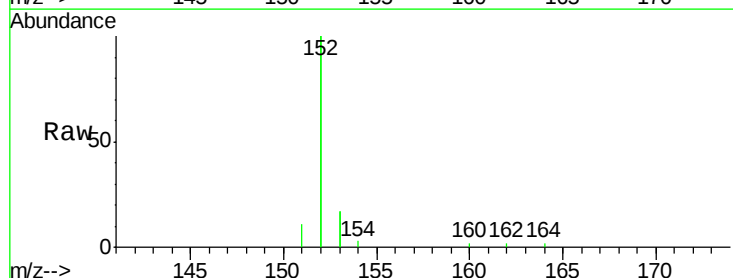
Instrument :
BNA_E
ClientSampleId :
PB98886BS

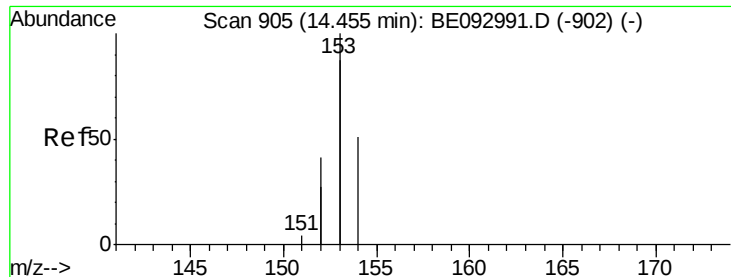
Tgt Ion:172 Resp: 2139
Ion Ratio Lower Upper
172 100
171 37.7 29.8 44.6
170 26.2 20.7 31.1



#16
Acenaphthylene
Concen: 0.29 ng
RT: 14.10 min Scan# 884
Delta R.T. 0.00 min
Lab File: BE093011.D
Acq: 12 May 2017 10:51

Tgt Ion:152 Resp: 7945
Ion Ratio Lower Upper
152 100
151 5.0 4.0 6.0
153 13.2 10.3 15.5





#17

Acenaphthene

Concen: 0.29 ng

RT: 14.44 min Scan# 904

Delta R.T. -0.02 min

Lab File: BE093011.D

Acq: 12 May 2017 10:51

Instrument :

BNA_E

ClientSampleId :

PB98886BS

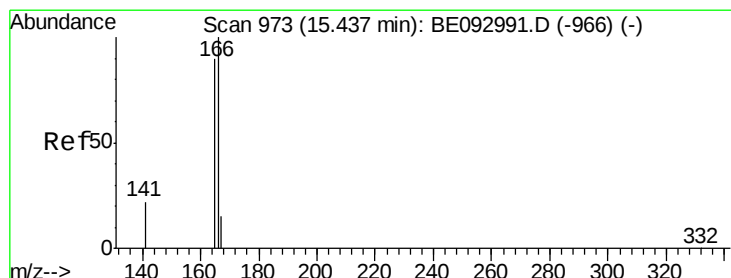
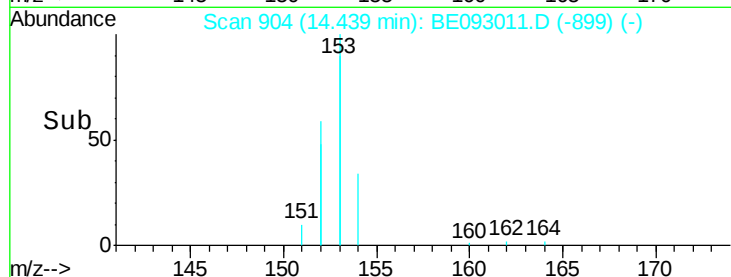
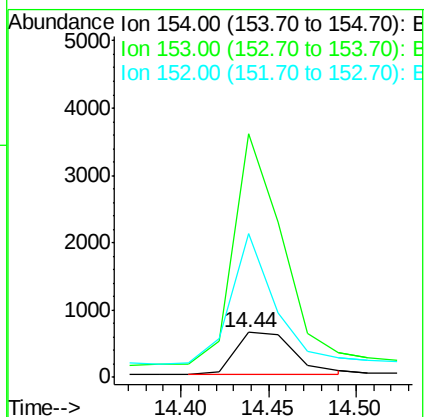
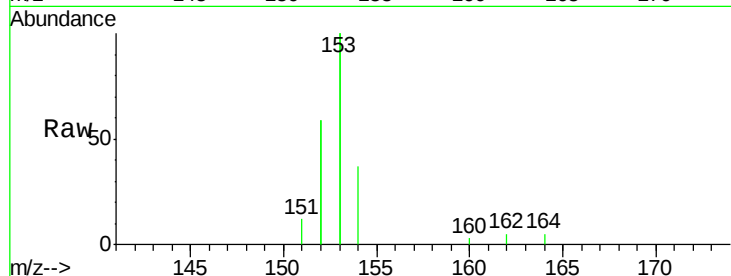
Tgt Ion:154 Resp: 1446

Ion Ratio Lower Upper

154 100

153 461.4 367.8 551.6

152 235.8 188.2 282.2



#18

Fluorene

Concen: 0.27 ng

RT: 15.44 min Scan# 972

Delta R.T. 0.01 min

Lab File: BE093011.D

Acq: 12 May 2017 10:51

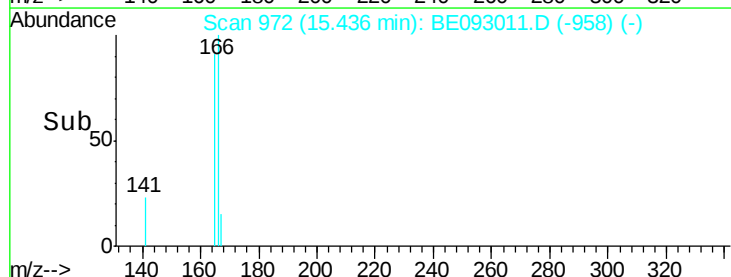
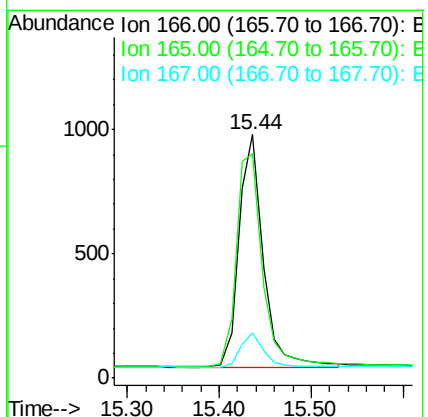
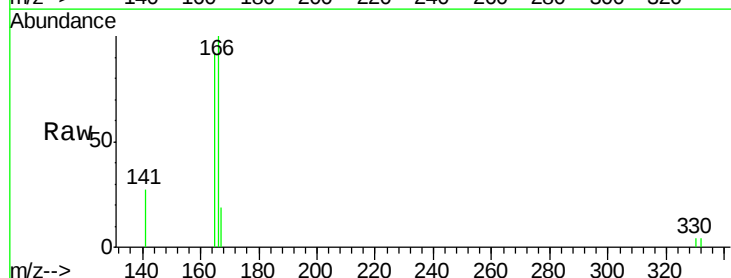
Tgt Ion:166 Resp: 1698

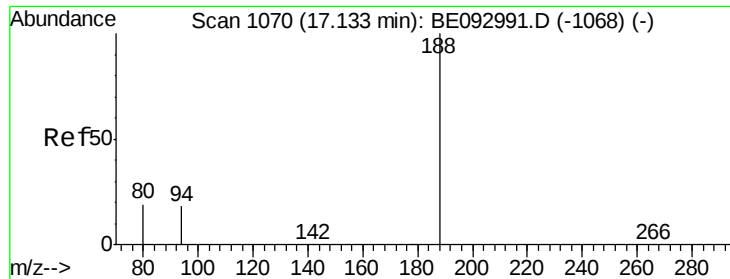
Ion Ratio Lower Upper

166 100

165 99.9 78.6 117.8

167 14.5 11.1 16.7





#19

Phenanthrene-d10

Concen: 0.40 ng

RT: 17.13 min Scan# 1069

Delta R.T. -0.00 min

Lab File: BE093011.D

Acq: 12 May 2017 10:51

Instrument :

BNA_E

ClientSampleId :

PB98886BS

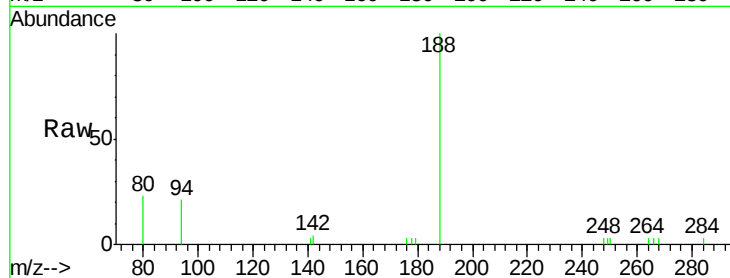
Tgt Ion:188 Resp: 3434

Ion Ratio Lower Upper

188 100

94 20.6 11.3 16.9#

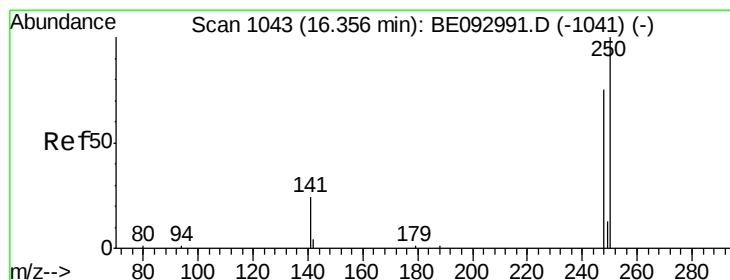
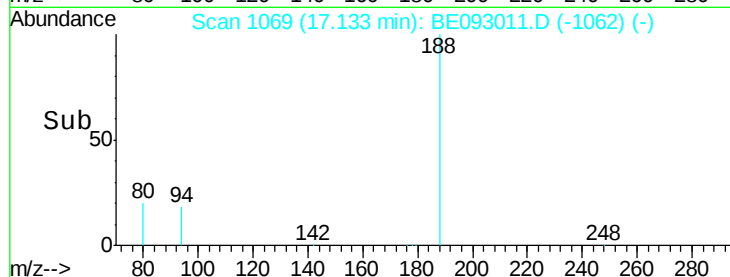
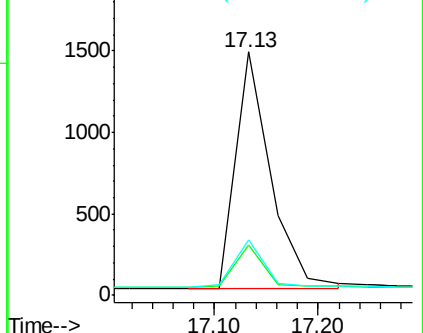
80 22.5 11.7 17.5#



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: 0.31 ng

RT: 16.36 min Scan# 1042

Delta R.T. -0.00 min

Lab File: BE093011.D

Acq: 12 May 2017 10:51

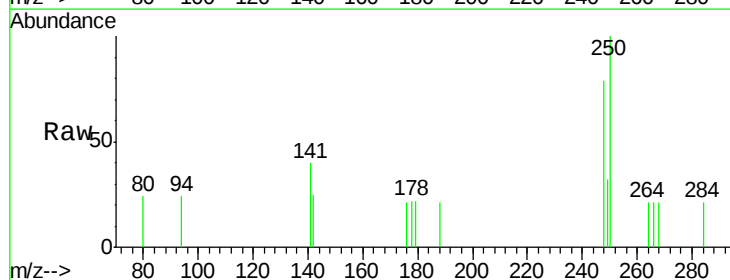
Tgt Ion:248 Resp: 340

Ion Ratio Lower Upper

248 100

250 125.9 100.0 150.0

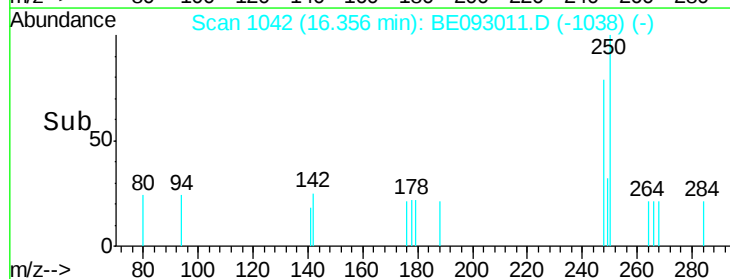
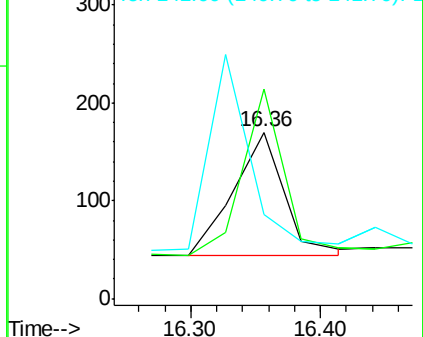
141 50.6 40.0 60.0

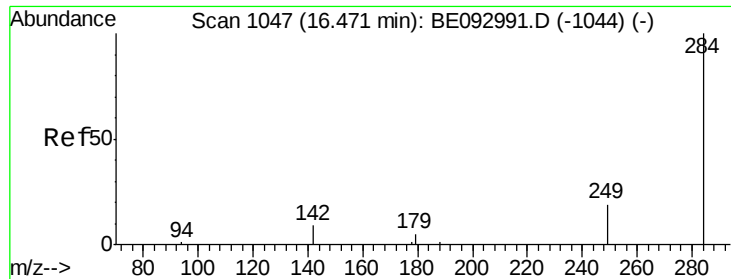


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

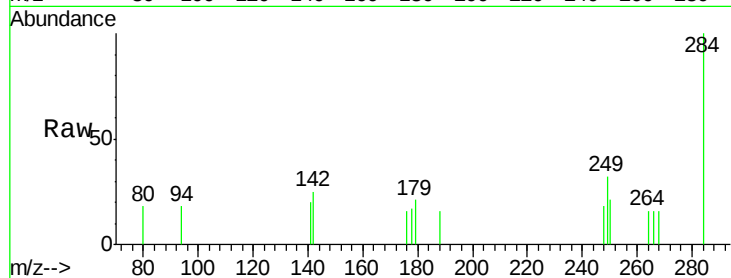




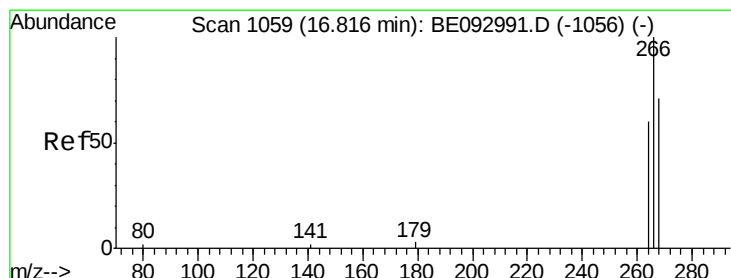
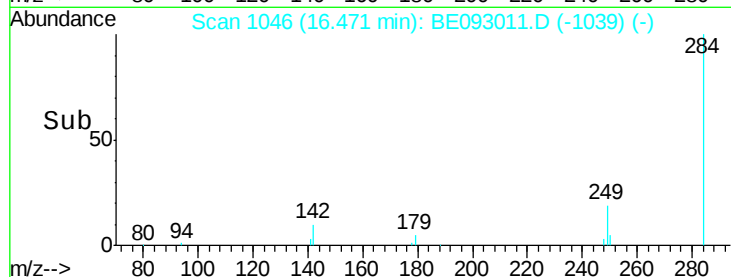
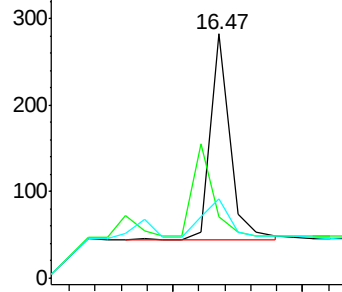
#21
Hexachlorobenzene
Concen: 0.27 ng
RT: 16.47 min Scan# 1046
Delta R.T. 0.01 min
Lab File: BE093011.D
Acq: 12 May 2017 10:51

Instrument :
BNA_E
ClientSampleId :
PB98886BS

Tgt Ion: 284 Resp: 502
Ion Ratio Lower Upper
284 100
142 0.0 0.0 0.0
249 26.5 0.0 0.0#

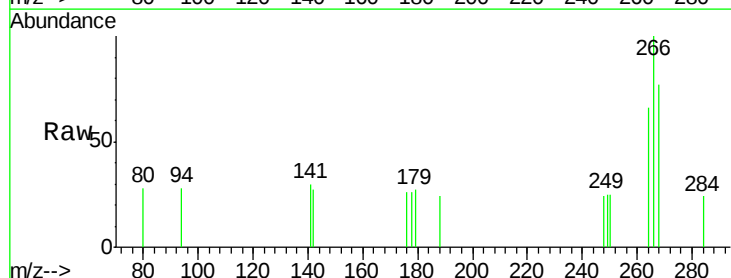


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

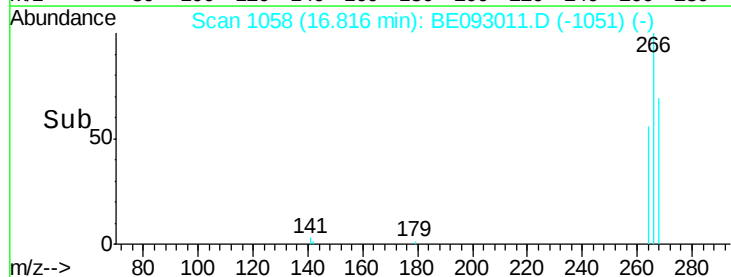
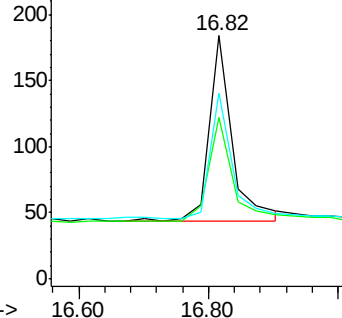


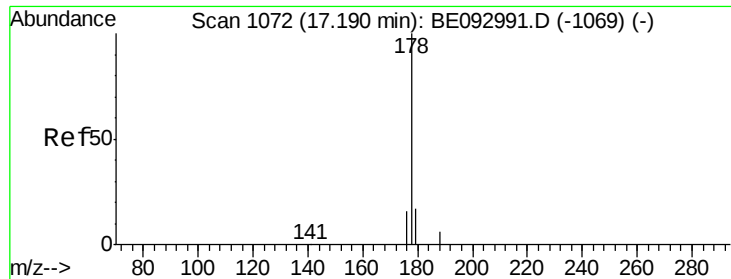
#22
Pentachlorophenol
Concen: 0.85 ng
RT: 16.82 min Scan# 1058
Delta R.T. 0.01 min
Lab File: BE093011.D
Acq: 12 May 2017 10:51

Tgt Ion: 266 Resp: 338
Ion Ratio Lower Upper
266 100
264 66.3 58.2 87.2
268 76.6 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

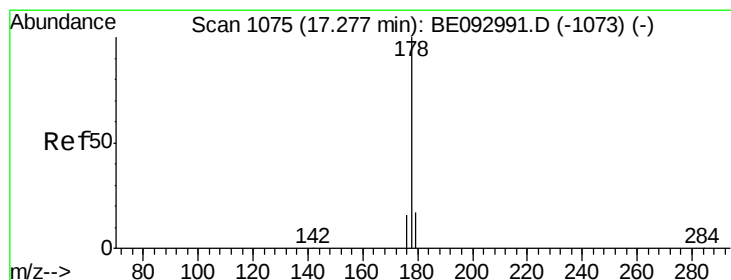
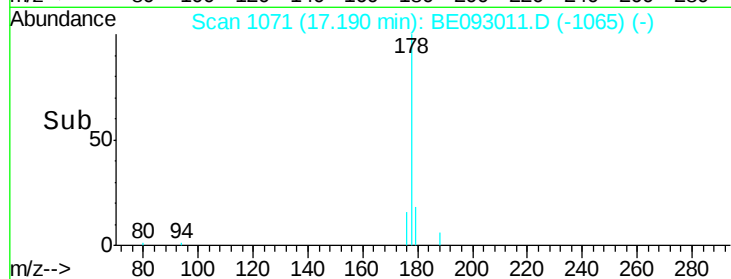
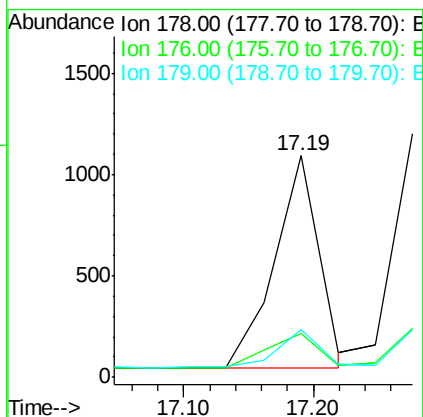
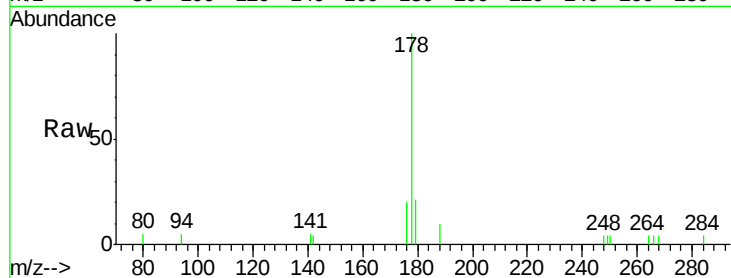




#23
Phenanthrene
Concen: 0.30 ng
RT: 17.19 min Scan# 1071
Delta R.T. 0.01 min
Lab File: BE093011.D
Acq: 12 May 2017 10:51

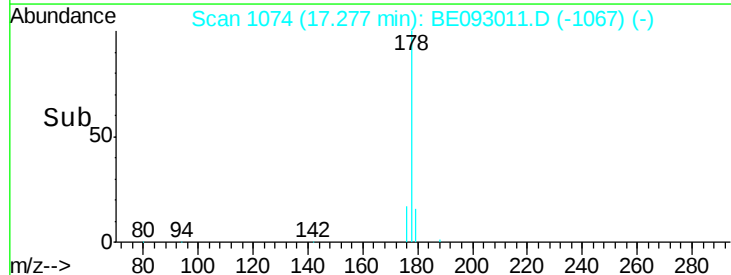
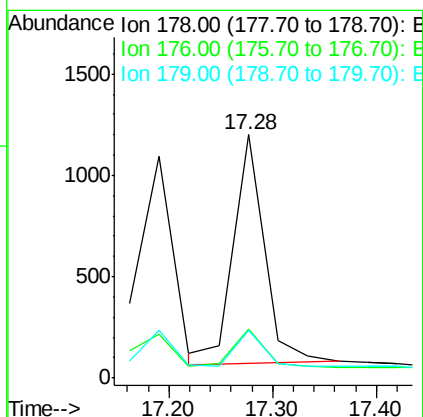
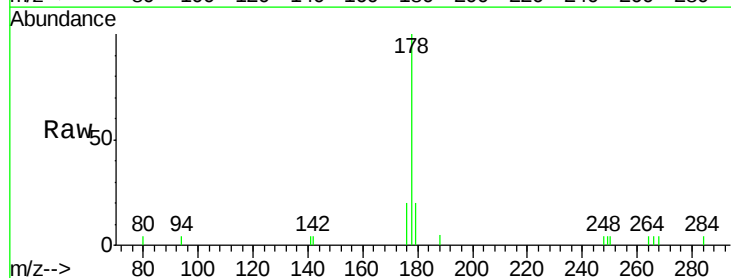
Instrument :
BNA_E
ClientSampleId :
PB98886BS

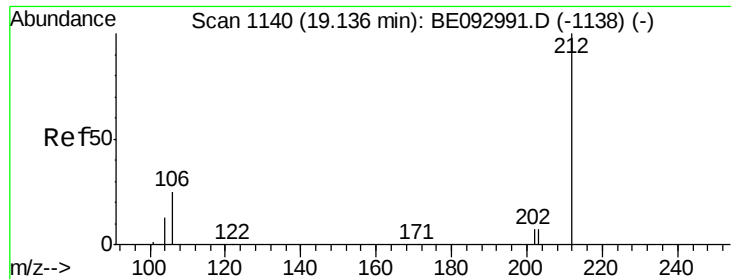
Tgt Ion:178 Resp: 2488
Ion Ratio Lower Upper
178 100
176 18.4 15.0 22.4
179 16.5 12.7 19.1



#24
Anthracene
Concen: 0.33 ng
RT: 17.28 min Scan# 1074
Delta R.T. 0.00 min
Lab File: BE093011.D
Acq: 12 May 2017 10:51

Tgt Ion:178 Resp: 2360
Ion Ratio Lower Upper
178 100
176 17.6 14.6 22.0
179 15.1 12.0 18.0





#25

Fluoranthene-d10

Concen: 0.29 ng

RT: 19.14 min Scan# 1139

Delta R.T. -0.02 min

Lab File: BE093011.D

Acq: 12 May 2017 10:51

Instrument :

BNA_E

ClientSampleId :

PB98886BS

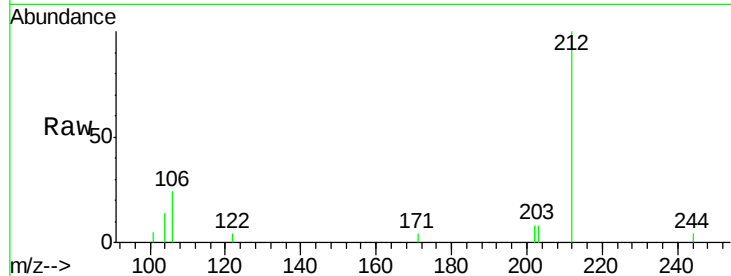
Tgt Ion:212 Resp: 2609

Ion Ratio Lower Upper

212 100

106 16.0 0.0 0.0#

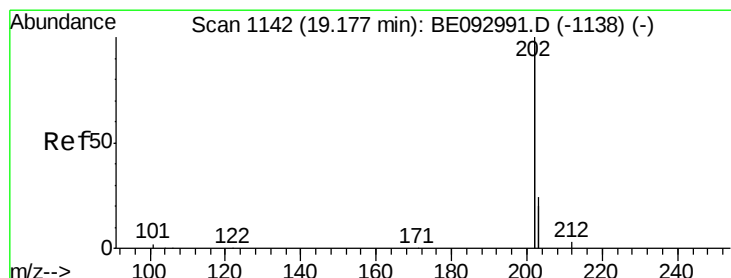
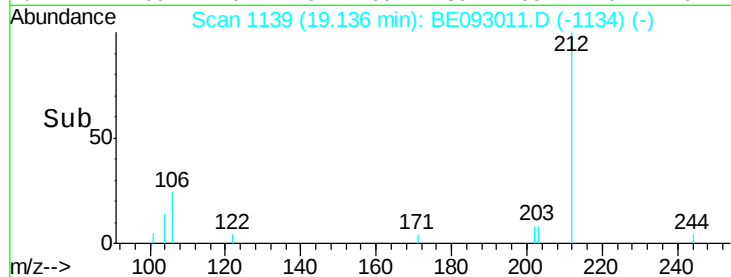
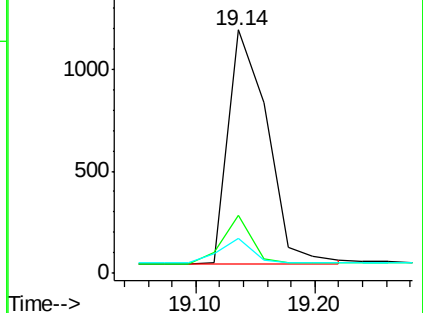
104 9.1 0.0 0.0#



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: 0.28 ng

RT: 19.18 min Scan# 1141

Delta R.T. 0.01 min

Lab File: BE093011.D

Acq: 12 May 2017 10:51

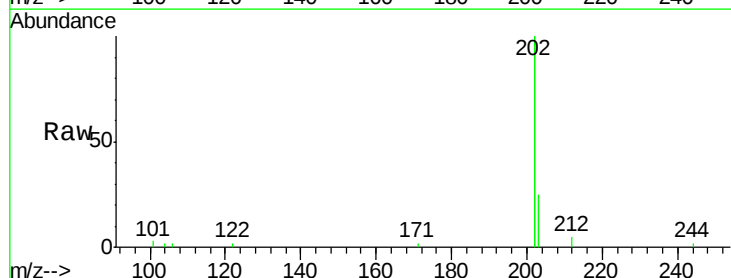
Tgt Ion:202 Resp: 12159

Ion Ratio Lower Upper

202 100

101 0.0 0.0 0.0

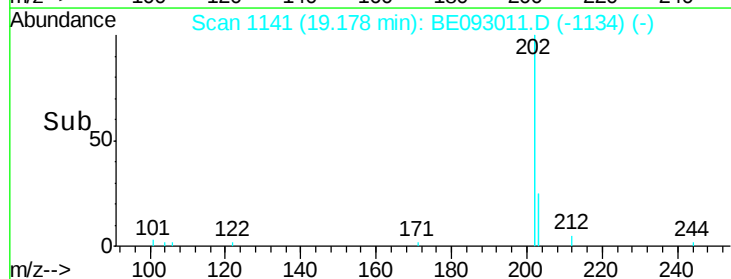
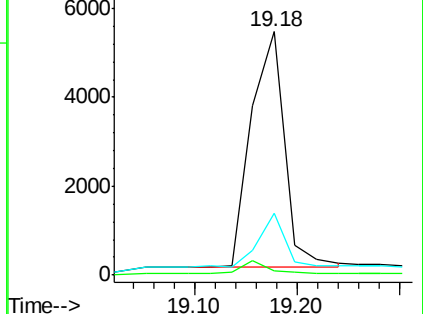
203 17.9 14.4 21.6

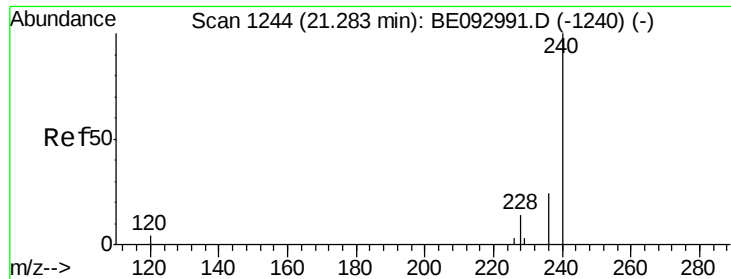


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

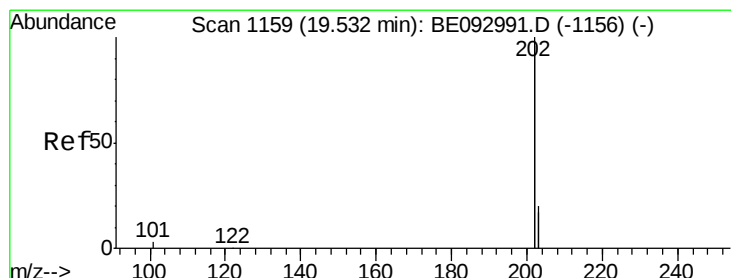
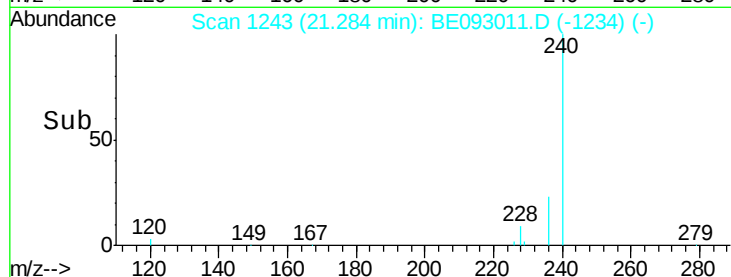
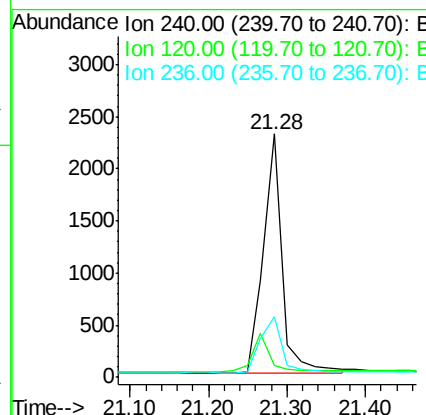
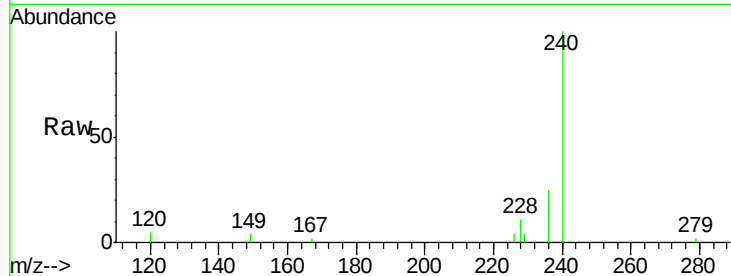




#27
Chrysene-d12
Concen: 0.40 ng
RT: 21.28 min Scan# 1243
Delta R.T. 0.00 min
Lab File: BE093011.D
Acq: 12 May 2017 10:51

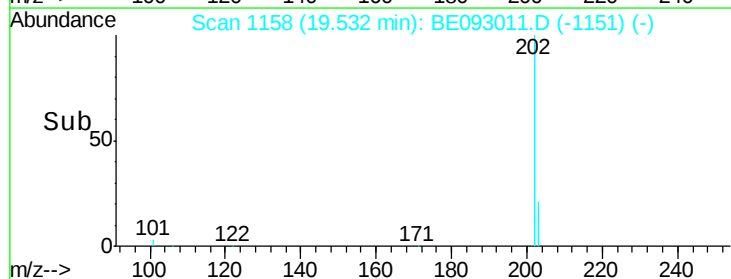
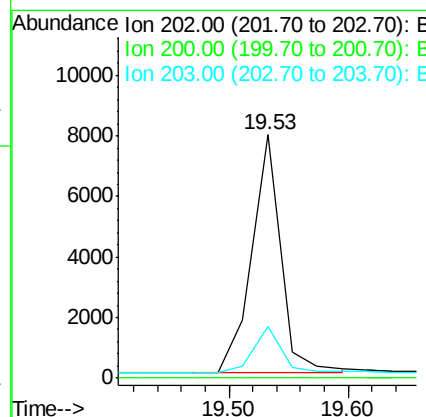
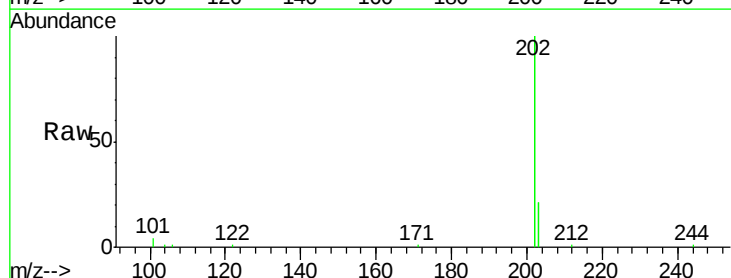
Instrument :
BNA_E
ClientSampleId :
PB98886BS

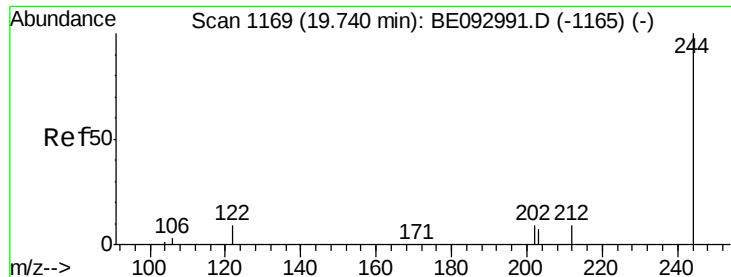
Tgt Ion:240 Resp: 3830
Ion Ratio Lower Upper
240 100
120 5.1 4.6 7.0
236 24.9 20.8 31.2



#28
Pyrene
Concen: 0.27 ng
RT: 19.53 min Scan# 1158
Delta R.T. 0.01 min
Lab File: BE093011.D
Acq: 12 May 2017 10:51

Tgt Ion:202 Resp: 13146
Ion Ratio Lower Upper
202 100
200 0.0 0.0 0.0
203 18.6 13.7 20.5





#29

Terphenyl-d14

Concen: 0.34 ng

RT: 19.74 min Scan# 1168

Delta R.T. 0.01 min

Lab File: BE093011.D

Acq: 12 May 2017 10:51

Instrument :

BNA_E

ClientSampleId :

PB98886BS

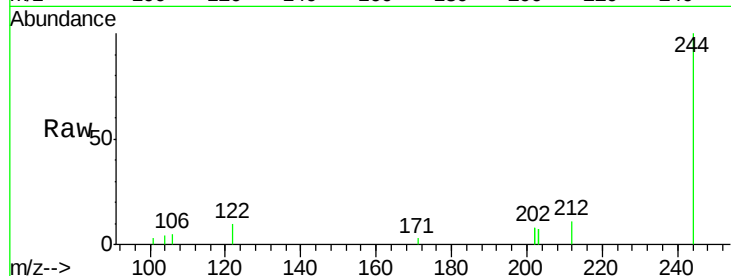
Tgt Ion:244 Resp: 2313

Ion Ratio Lower Upper

244 100

212 11.4 10.6 16.0

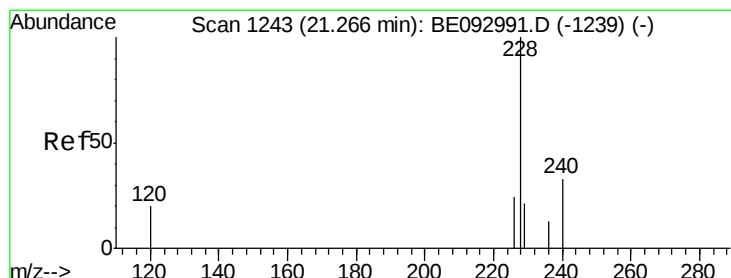
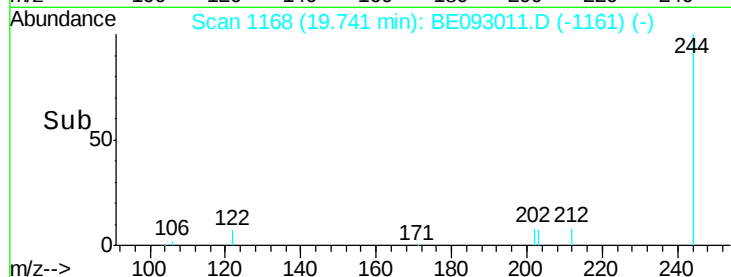
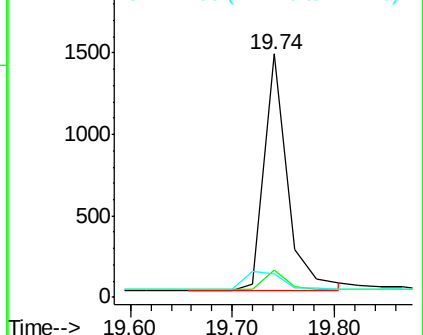
122 9.8 15.4 23.0#



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: 0.30 ng

RT: 21.27 min Scan# 1242

Delta R.T. 0.00 min

Lab File: BE093011.D

Acq: 12 May 2017 10:51

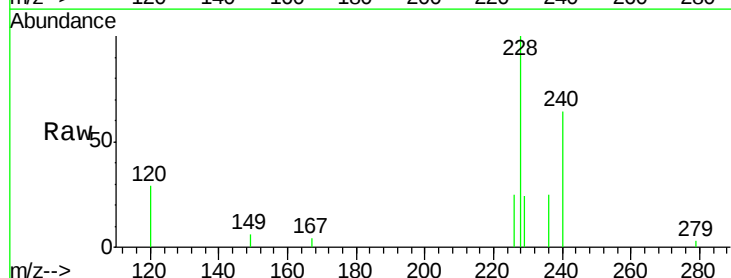
Tgt Ion:228 Resp: 2821

Ion Ratio Lower Upper

228 100

226 24.8 19.7 29.5

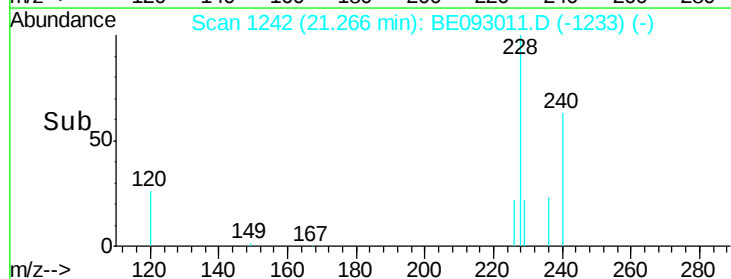
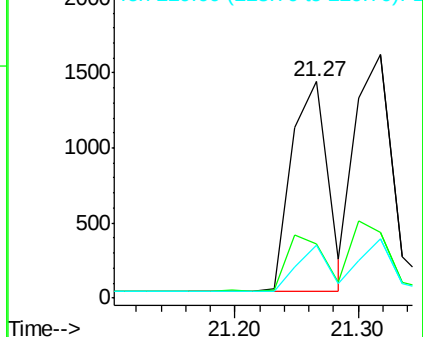
229 24.5 19.2 28.8

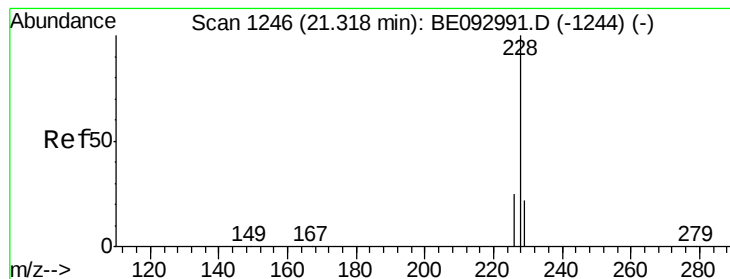


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.29 ng

RT: 21.32 min Scan# 1245

Delta R.T. 0.00 min

Lab File: BE093011.D

Acq: 12 May 2017 10:51

Instrument :

BNA_E

ClientSampleId :

PB98886BS

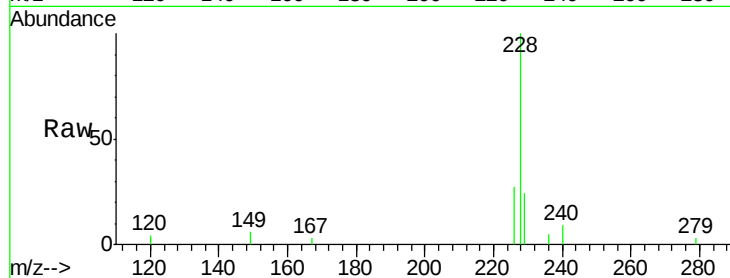
Tgt Ion:228 Resp: 3402

Ion Ratio Lower Upper

228 100

226 27.1 21.5 32.3

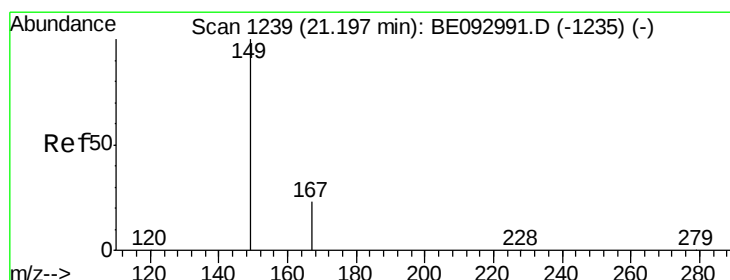
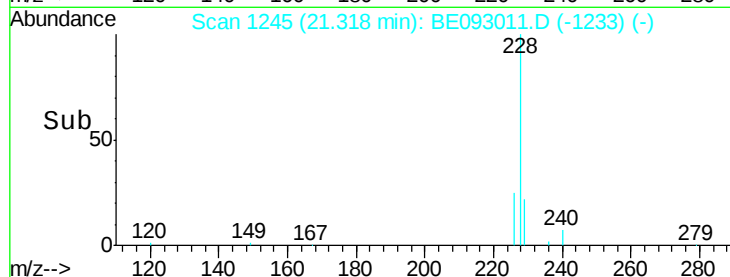
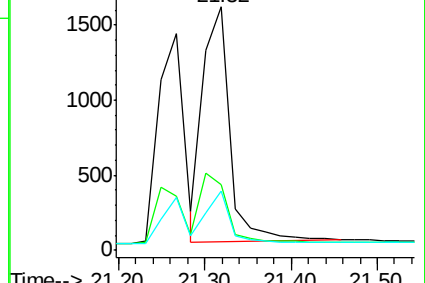
229 24.2 18.6 28.0



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: 0.30 ng

RT: 21.20 min Scan# 1238

Delta R.T. 0.00 min

Lab File: BE093011.D

Acq: 12 May 2017 10:51

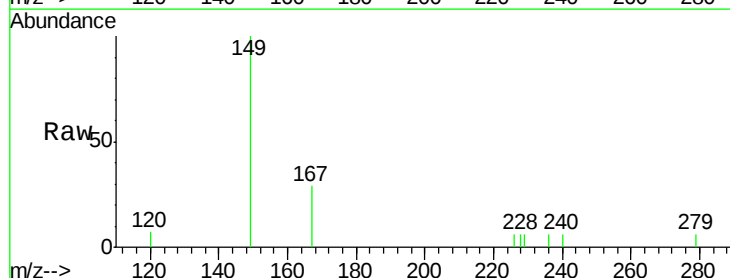
Tgt Ion:149 Resp: 925

Ion Ratio Lower Upper

149 100

167 25.6 20.1 30.1

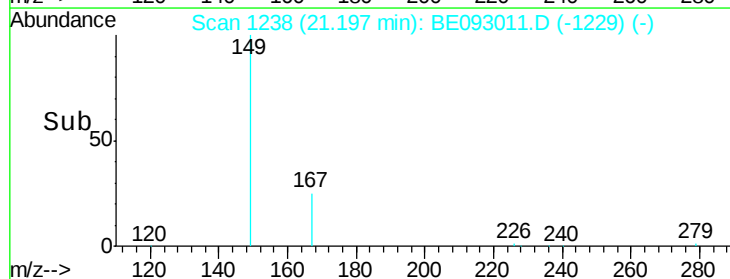
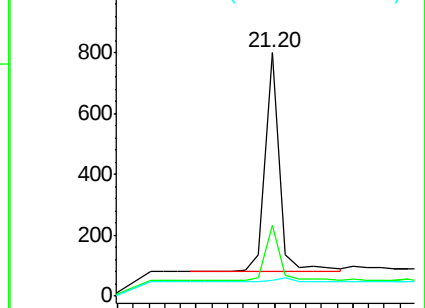
279 2.1 2.2 3.4#

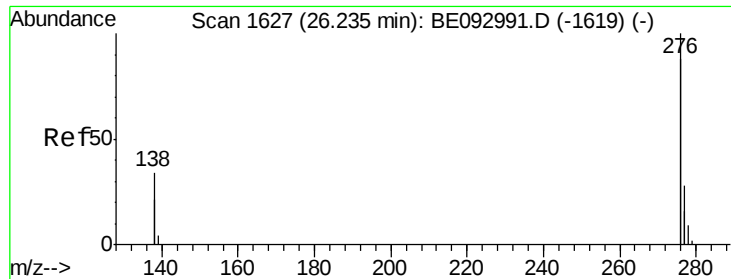


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.38 ng

RT: 26.24 min Scan# 1626

Delta R.T. 0.00 min

Lab File: BE093011.D

Acq: 12 May 2017 10:51

Instrument :

BNA_E

ClientSampleId :

PB98886BS

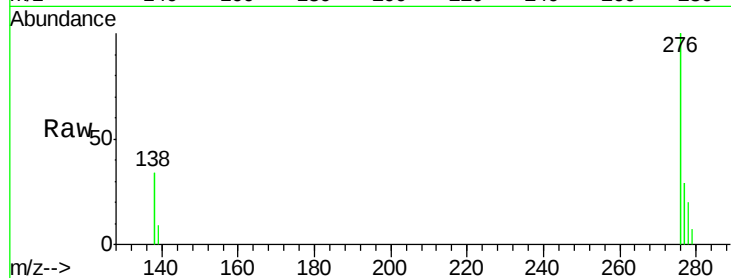
Tgt Ion:276 Resp: 14121

Ion Ratio Lower Upper

276 100

138 32.3 27.4 41.2

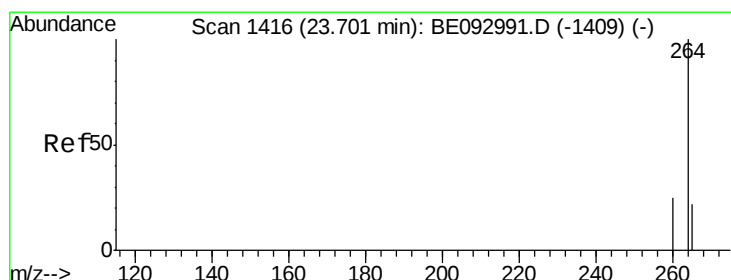
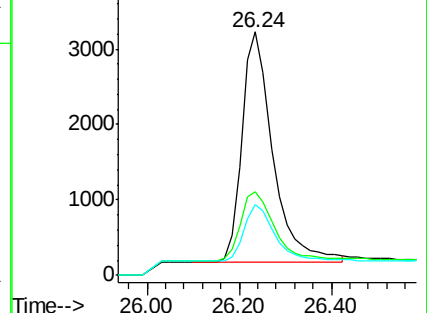
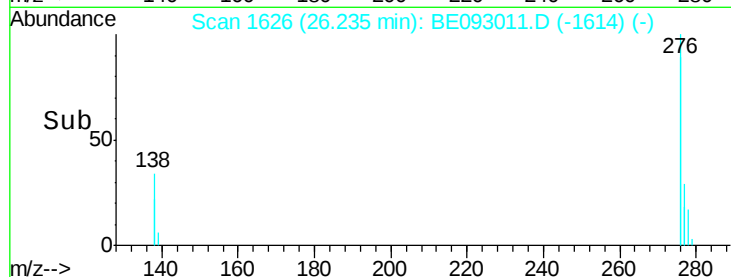
277 24.6 20.1 30.1



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: 23.70 min Scan# 1415

Delta R.T. 0.00 min

Lab File: BE093011.D

Acq: 12 May 2017 10:51

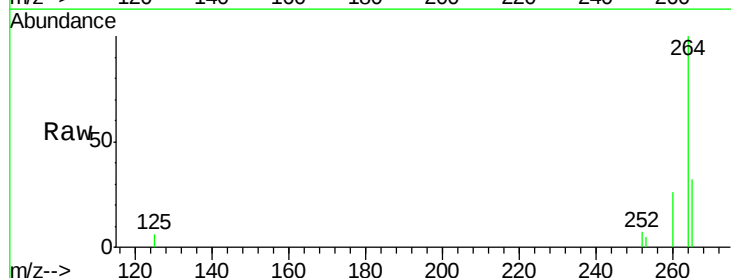
Tgt Ion:264 Resp: 3400

Ion Ratio Lower Upper

264 100

260 26.2 21.0 31.4

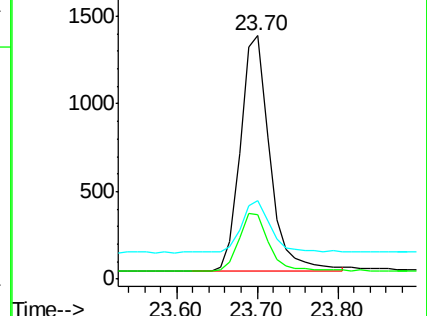
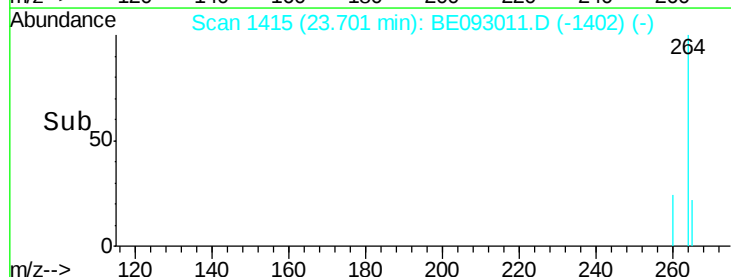
265 32.2 24.6 36.8

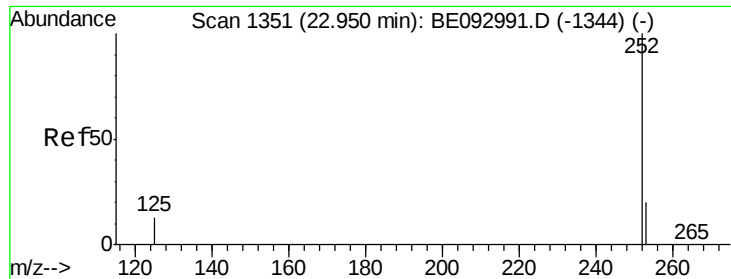


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.28 ng

RT: 22.95 min Scan# 1350

Delta R.T. 0.00 min

Lab File: BE093011.D

Acq: 12 May 2017 10:51

Instrument :

BNA_E

ClientSampleId :

PB98886BS

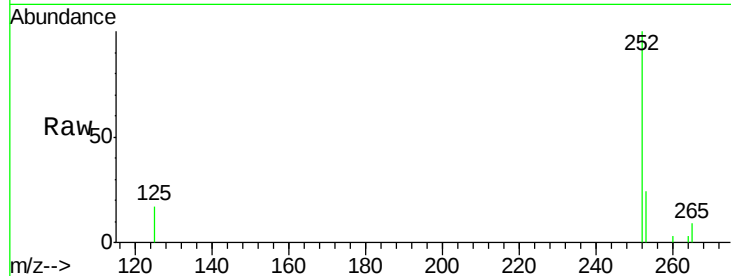
Tgt Ion:252 Resp: 3110

Ion Ratio Lower Upper

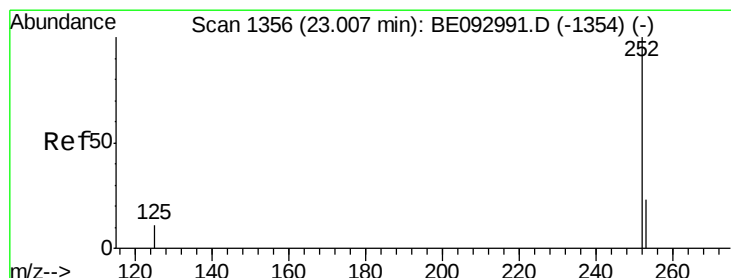
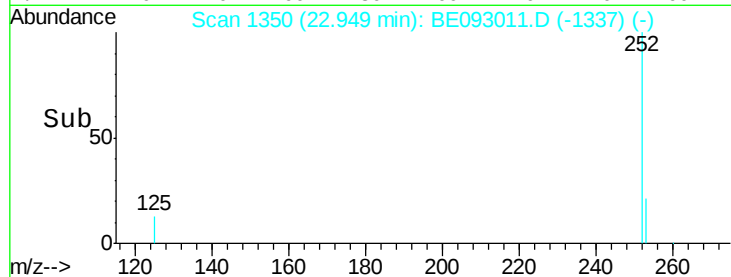
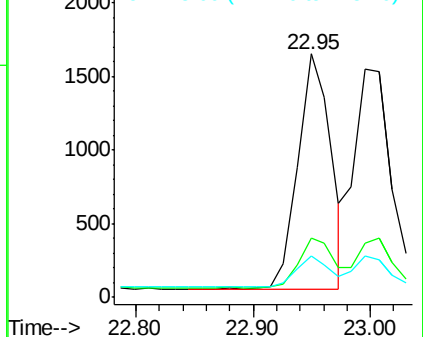
252 100

253 24.4 18.5 27.7

125 17.1 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: 0.30 ng

RT: 23.00 min Scan# 1354

Delta R.T. -0.01 min

Lab File: BE093011.D

Acq: 12 May 2017 10:51

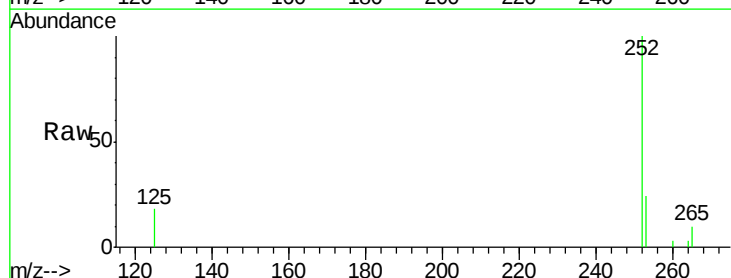
Tgt Ion:252 Resp: 3274

Ion Ratio Lower Upper

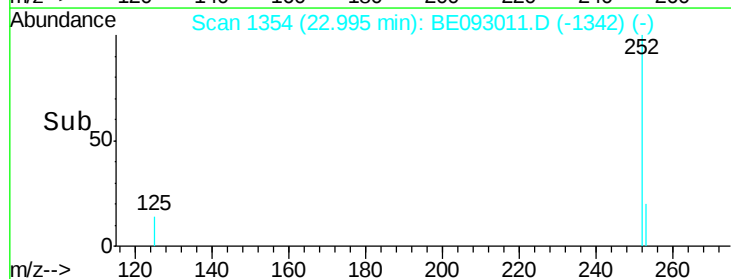
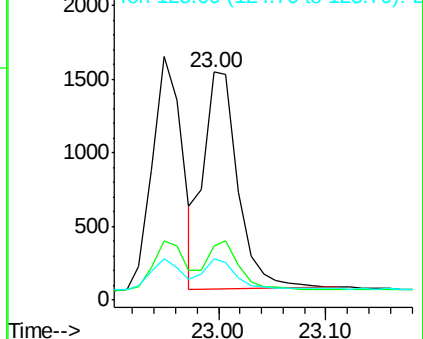
252 100

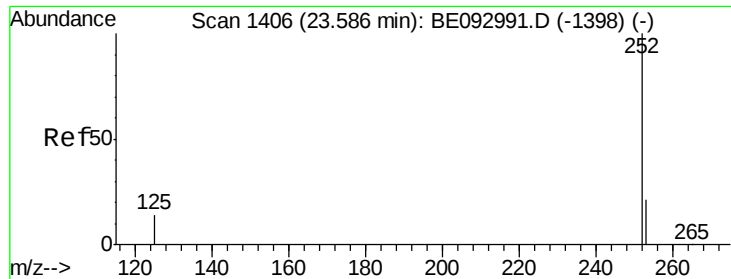
253 23.5 20.3 30.5

125 17.9 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: 0.31 ng

RT: 23.59 min Scan# 1405

Delta R.T. 0.00 min

Lab File: BE093011.D

Acq: 12 May 2017 10:51

Instrument :

BNA_E

ClientSampleId :

PB98886BS

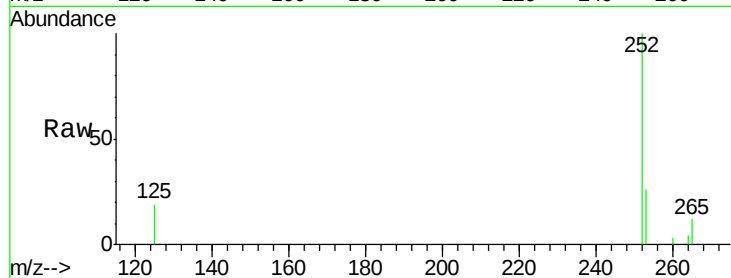
Tgt Ion:252 Resp: 2911

Ion Ratio Lower Upper

252 100

253 25.9 19.9 29.9

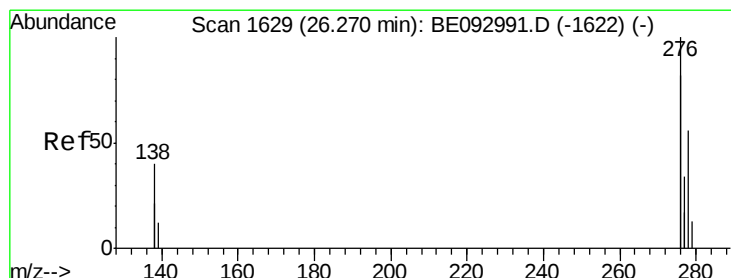
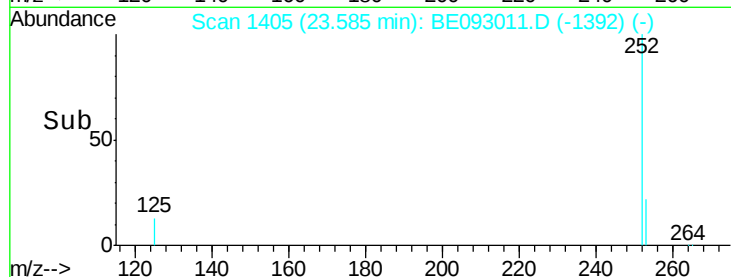
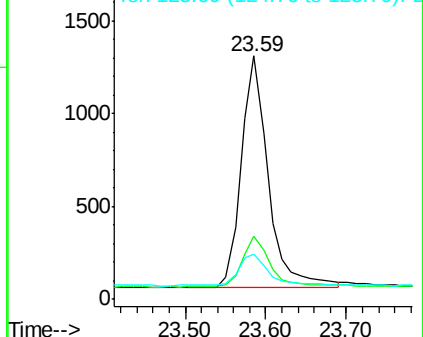
125 18.8 14.6 21.8



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: 0.32 ng

RT: 26.27 min Scan# 1628

Delta R.T. 0.02 min

Lab File: BE093011.D

Acq: 12 May 2017 10:51

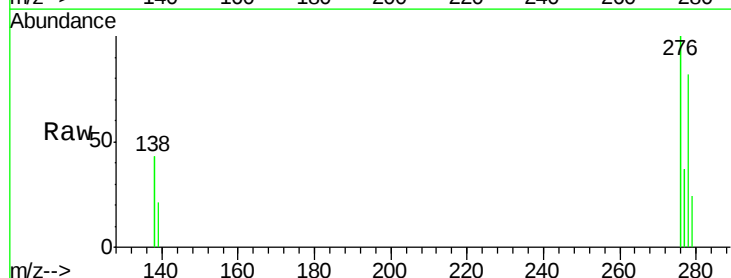
Tgt Ion:278 Resp: 2806

Ion Ratio Lower Upper

278 100

139 25.7 21.4 32.0

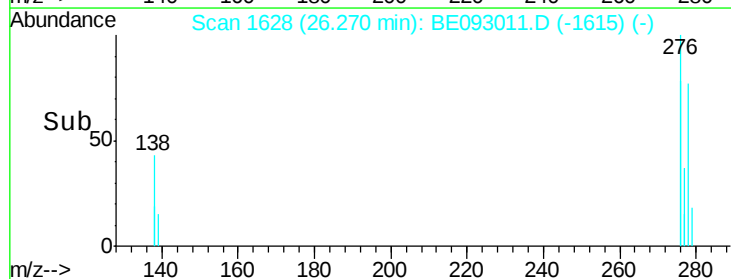
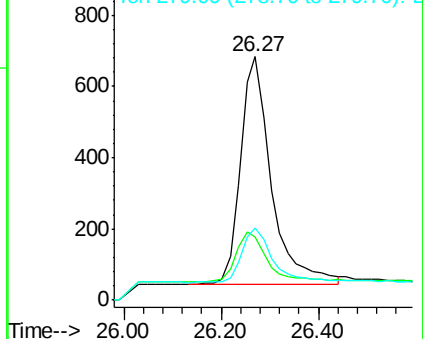
279 29.7 22.2 33.2

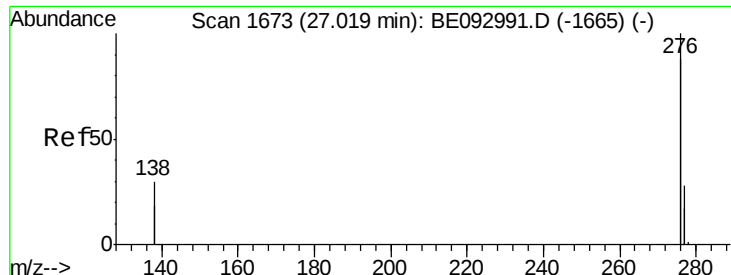


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.32 ng

RT: 27.00 min Scan# 1671

Delta R.T. 0.00 min

Lab File: BE093011.D

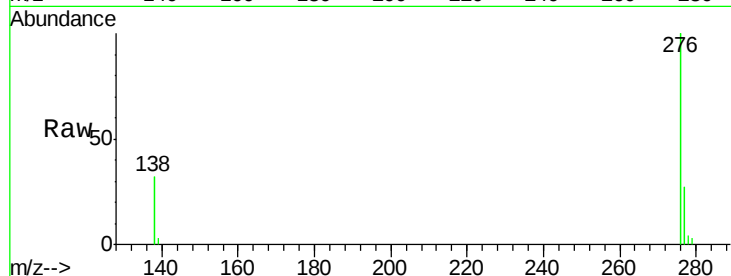
Acq: 12 May 2017 10:51

Instrument :

BNA_E

ClientSampleId :

PB98886BS



Tgt Ion: 276 Resp: 12675

Ion Ratio Lower Upper

276 100

277 27.1 21.2 31.8

138 32.5 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

