

Data Path : Z:\HPCHEM1\BNA E\DATA\BE022718\
 Data File : BE095698.D
 Acq On : 27 Feb 2018 11:48
 Operator : SJ/JU
 Sample : J1642-01DL 25X
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Feb 27 12:37:46 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE022318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 23 12:12:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.42	152	1285	0.40	ng	-0.01
7) Naphthalene-d8	11.26	136	5234	0.40	ng	-0.02
13) Acenaphthene-d10	15.00	164	3046	0.40	ng	0.00
19) Phenanthrene-d10	17.70	188	6655	0.40	ng	0.00
27) Chrysene-d12	21.79	240	6536	0.40	ng	0.00
34) Perylene-d12	24.42	264	6070	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.91	112	24	0.01	ng	-0.01
5) Phenol-d6	7.55	99	14	0.00	ng	0.00
8) Nitrobenzene-d5	9.60	82	39	0.01	ng	-0.02
11) 2-Methylnaphthalene-d10	12.80	152	61	0.01	ng	0.00
14) 2,4,6-Tribromophenol	16.47	330	7	0.12	ng	0.00
15) 2-Fluorobiphenyl	13.64	172	111	0.01	ng	0.00
25) Fluoranthene-d10	19.68	212	594	0.01	ng	0.00
29) Terphenyl-d14	20.25	244	114	0.01	ng	0.00

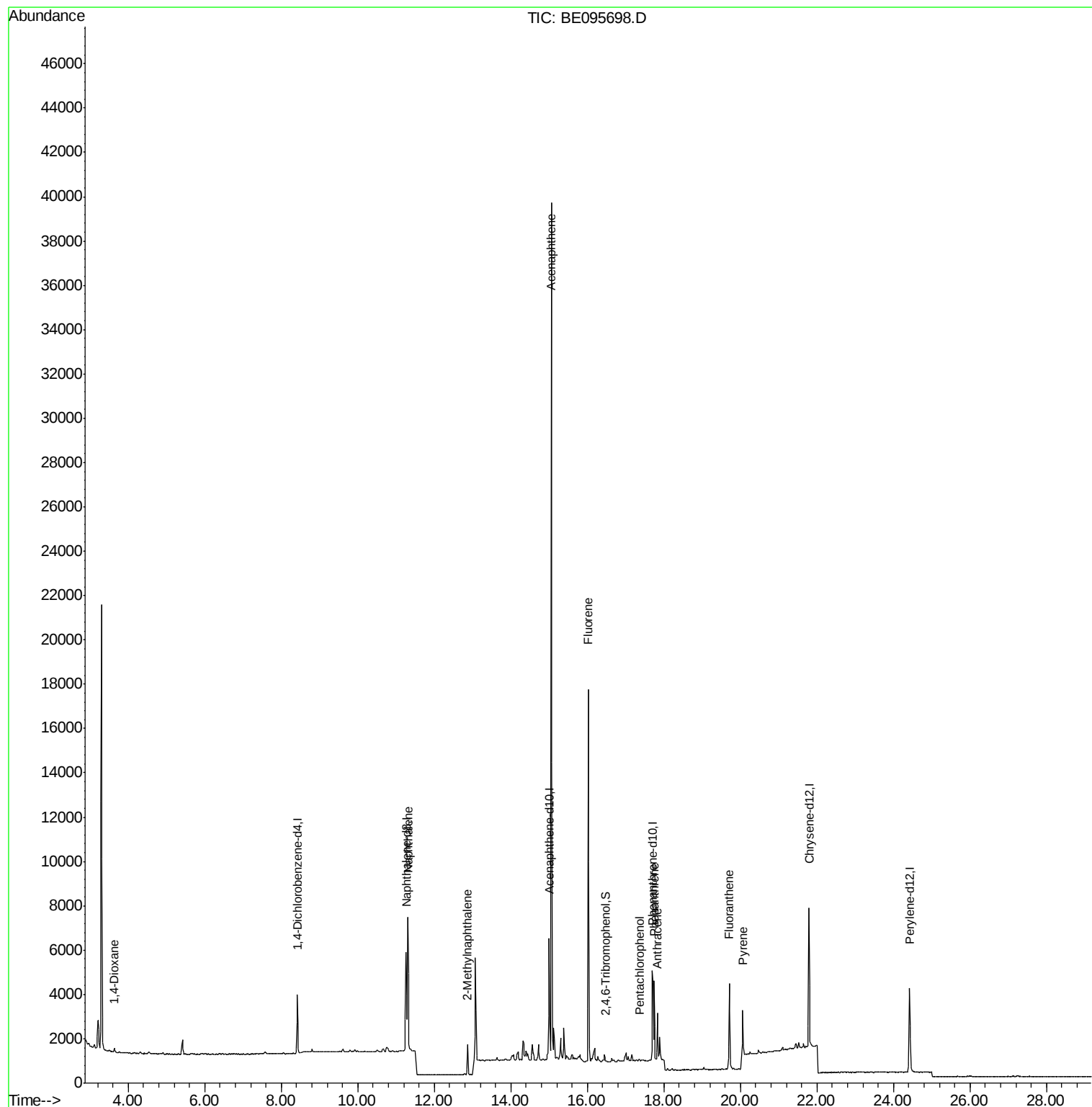
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.64	88	128	0.063	ng	# 83
9) Naphthalene	11.31	128	10395	0.172	ng	99
12) 2-Methylnaphthalene	12.87	142	943	0.091	ng	95
17) Acenaphthene	15.06	154	18191	1.693	ng	93
18) Fluorene	16.02	166	12258	0.920	ng	# 80
22) Pentachlorophenol	17.37	266	51	0.211	ng	97
23) Phenanthrene	17.74	178	3608	0.173	ng	97
24) Anthracene	17.83	178	2420	0.127	ng	# 93
26) Fluoranthene	19.71	202	3153	0.123	ng	99
28) Pvrene	20.06	202	2168	0.081	ng	94

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

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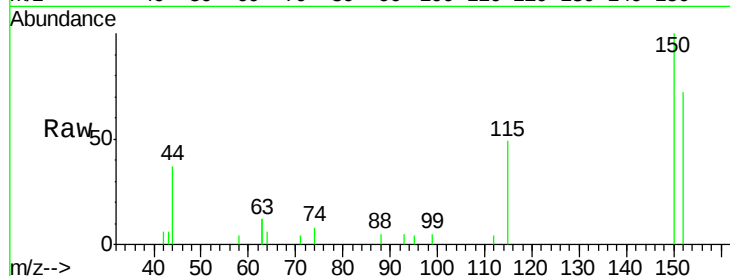


#1

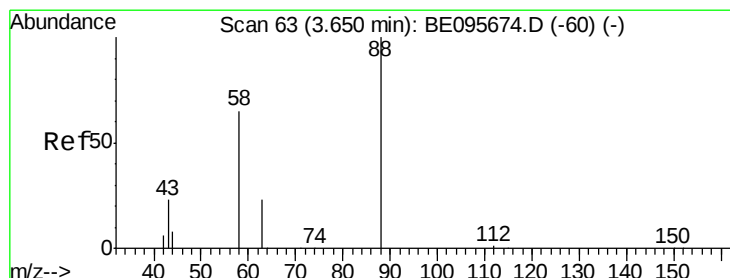
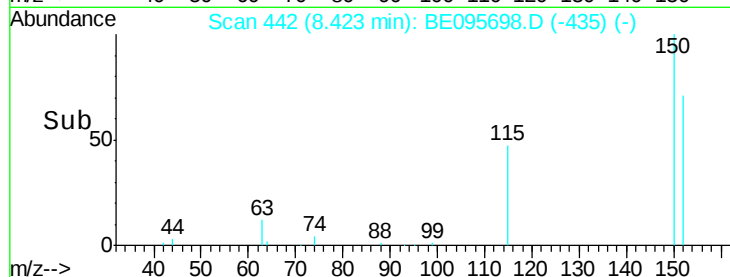
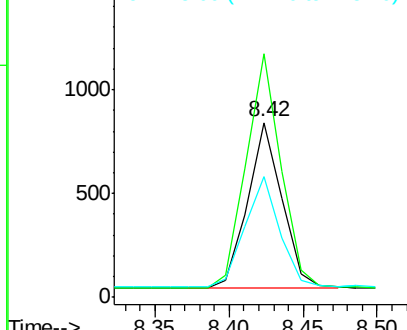
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.42 min Scan# 442
Delta R.T. -0.01 min
Lab File: BE095698.D
Acq: 27 Feb 2018 11:48

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 1285
Ion Ratio Lower Upper
152 100
150 139.2 117.2 175.8
115 68.8 57.0 85.6



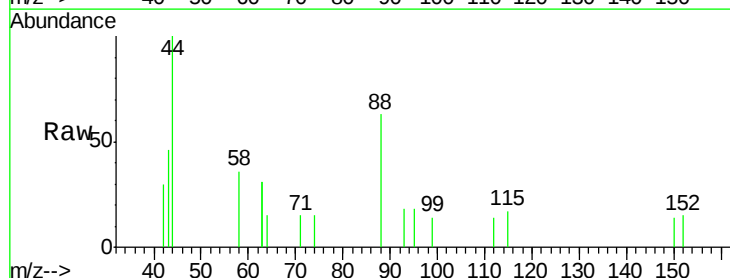
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



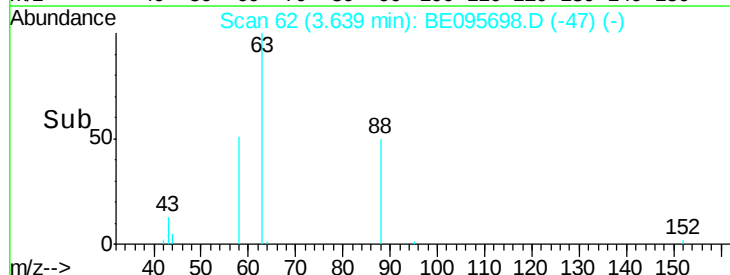
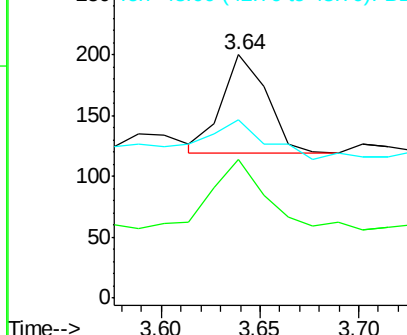
#2

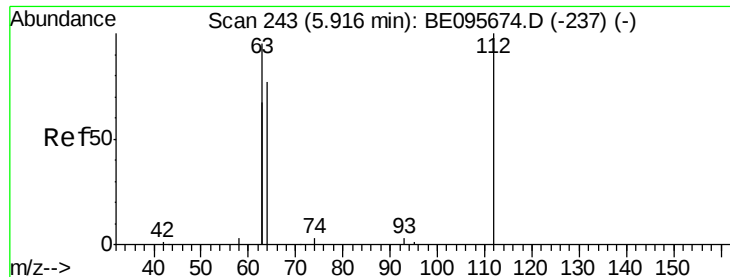
1,4-Dioxane
Concen: 0.063 ng
RT: 3.64 min Scan# 62
Delta R.T. -0.01 min
Lab File: BE095698.D
Acq: 27 Feb 2018 11:48

Tgt Ion: 88 Resp: 128
Ion Ratio Lower Upper
88 100
58 93.0 63.2 94.8
43 64.1 41.2 61.8#



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





#4

2-Fluorophenol

Concen: 0.007 ng

RT: 5.91 min Scan# 242

Delta R.T. -0.01 min

Lab File: BE095698.D

Acq: 27 Feb 2018 11:48

Instrument :

BNA_E

ClientSampleId :

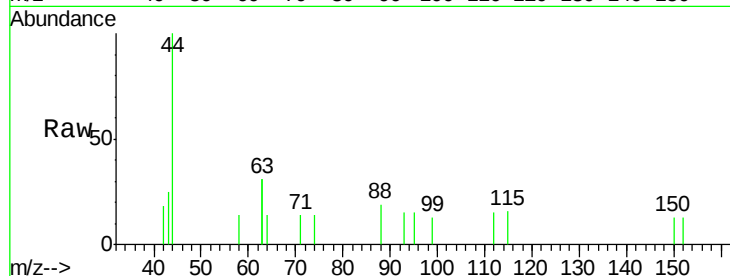
Tot Ion:112 Resp: 24

Ion Ratio Lower Upper

112 100

64 45.8 60.1 90.1#

63 208.3 116.8 175.2#

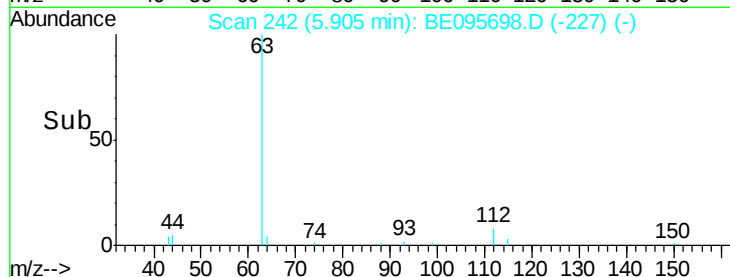


Abundance Ion 112.00 (111.70 to 112.70): E

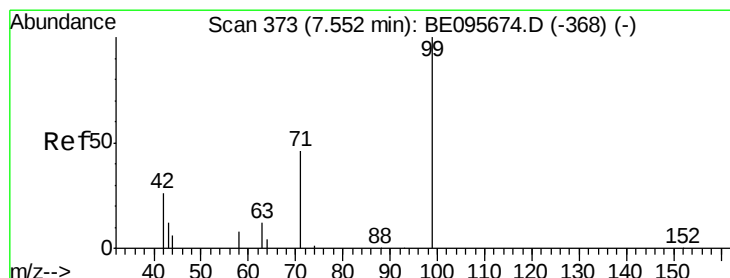
Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Time-->



Time-->



#5

Phenol-d6

Concen: 0.003 ng

RT: 7.55 min Scan# 373

Delta R.T. 0.00 min

Lab File: BE095698.D

Acq: 27 Feb 2018 11:48

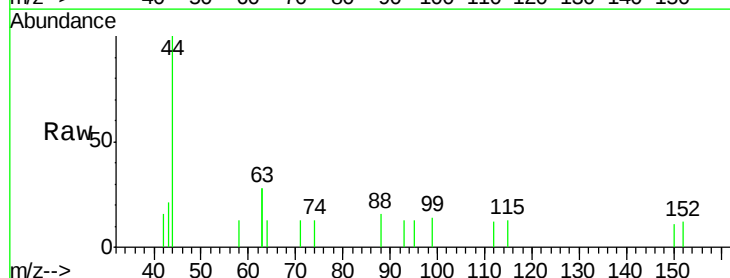
Tgt Ion: 99 Resp: 14

Ion Ratio Lower Upper

99 100

42 0.0 20.2 30.2#

71 57.1 28.4 42.6#

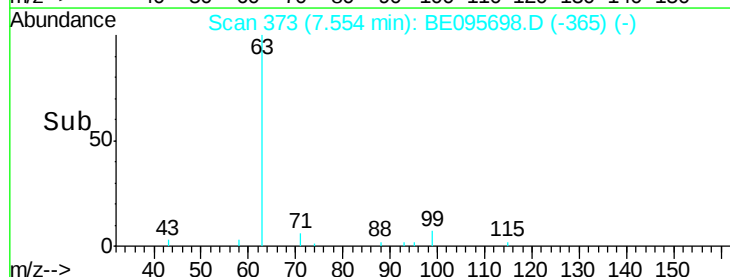


Abundance Ion 99.00 (98.70 to 99.70): BE0

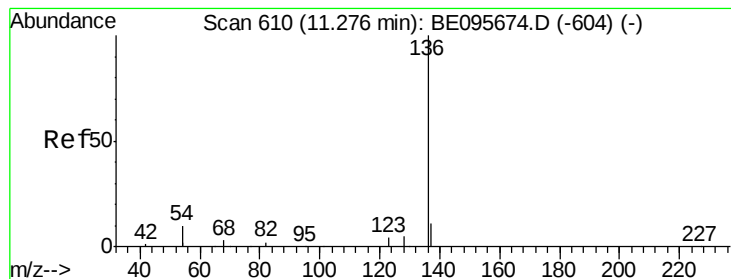
Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0

Time-->



Time-->



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 11.26 min Scan# 609

Delta R.T. -0.02 min

Lab File: BE095698.D

Acq: 27 Feb 2018 11:48

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 5234

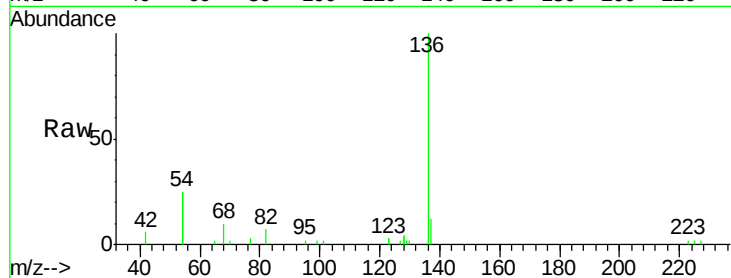
Ion Ratio Lower Upper

136 100

137 12.3 9.5 14.3

54 51.0 29.1 43.7#

68 9.5 6.2 9.2#

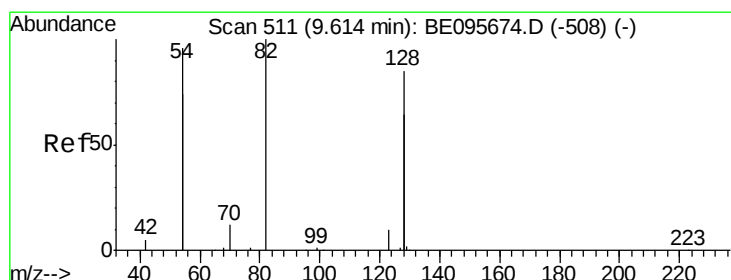
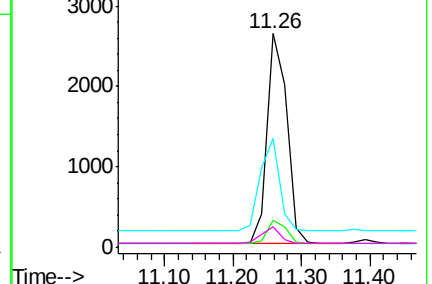
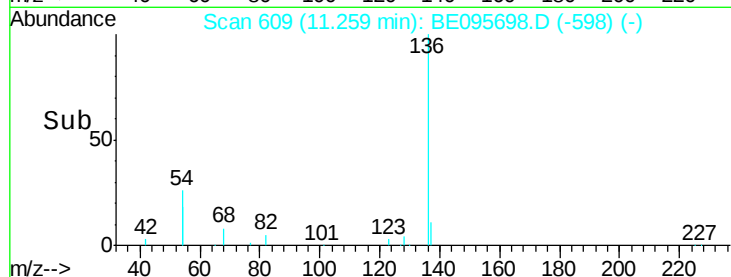


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.007 ng

RT: 9.60 min Scan# 510

Delta R.T. -0.02 min

Lab File: BE095698.D

Acq: 27 Feb 2018 11:48

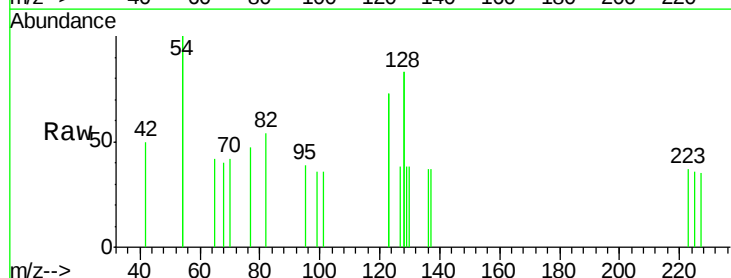
Tgt Ion: 82 Resp: 39

Ion Ratio Lower Upper

82 100

128 305.9 150.0 225.0#

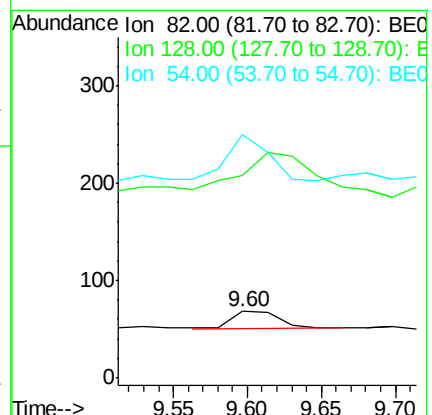
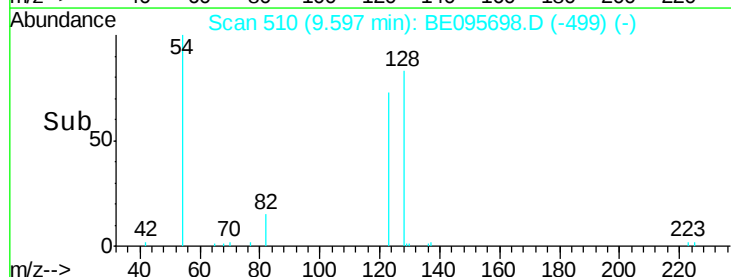
54 367.6 154.2 231.4#

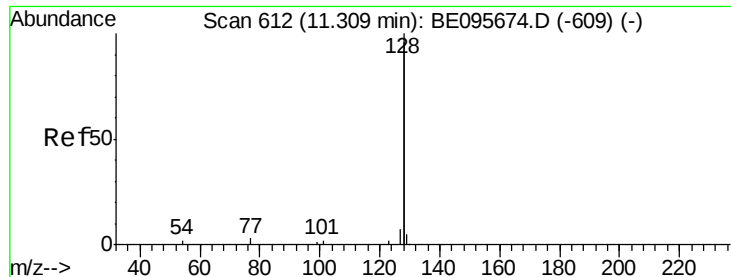


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.172 ng

RT: 11.31 min Scan# 612

Delta R.T. -0.00 min

Lab File: BE095698.D

Acq: 27 Feb 2018 11:48

Instrument :

BNA_E

ClientSampleId :

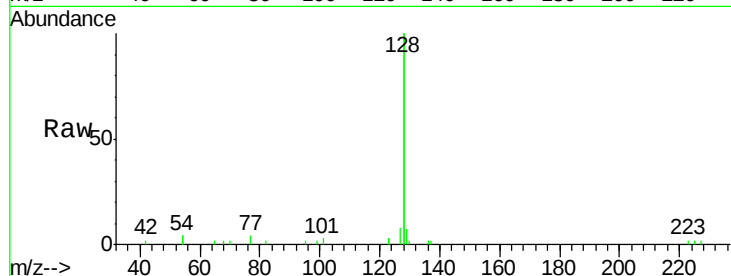
Tot Ion:128 Resp: 10395

Ion Ratio Lower Upper

128 100

129 3.5 2.6 3.8

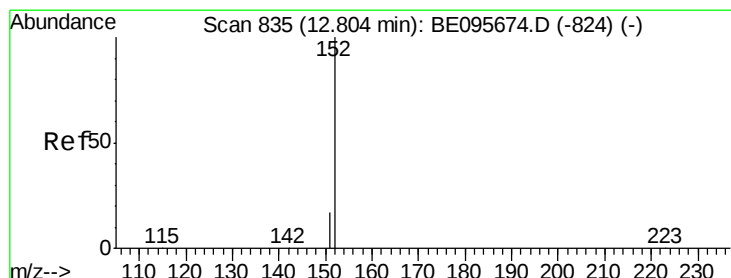
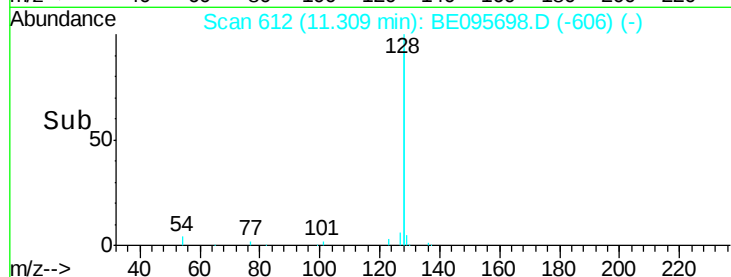
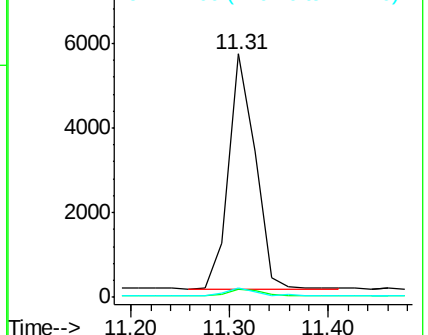
127 4.0 2.8 4.2



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#11

2-Methylnaphthalene-d10

Concen: 0.007 ng

RT: 12.80 min Scan# 834

Delta R.T. -0.01 min

Lab File: BE095698.D

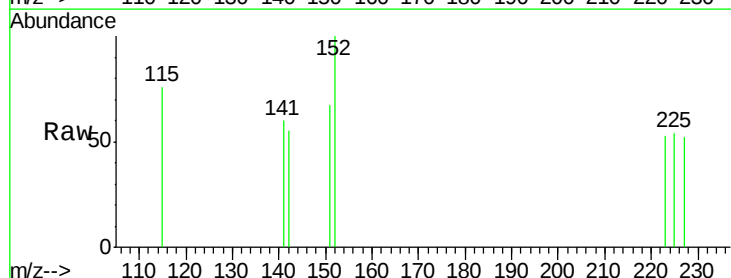
Acq: 27 Feb 2018 11:48

Tgt Ion:152 Resp: 61

Ion Ratio Lower Upper

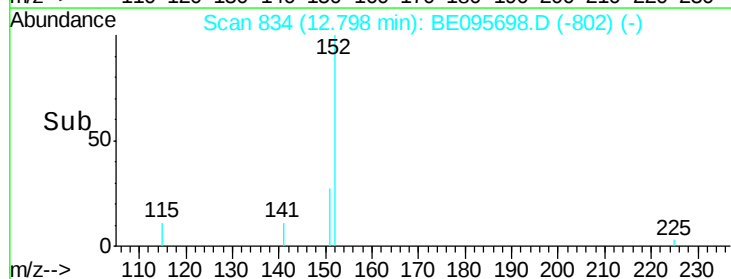
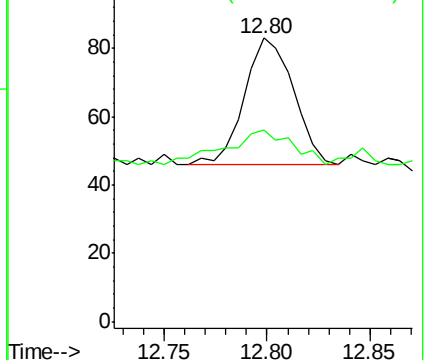
152 100

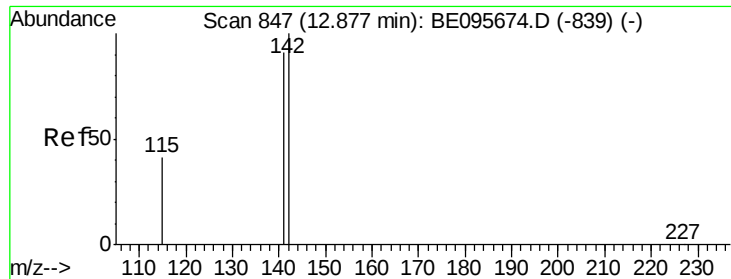
151 47.5 15.4 23.0#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

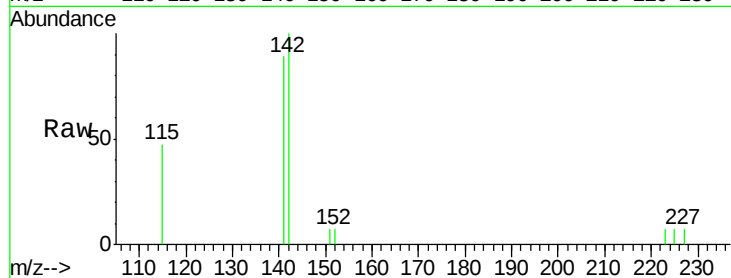




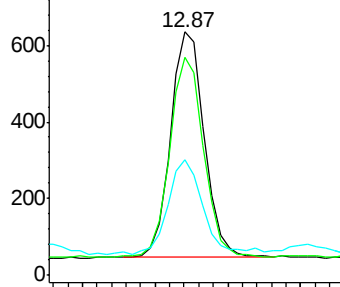
#12
2-Methylnaphthalene
Concen: 0.091 ng
RT: 12.87 min Scan# 846
Delta R.T. -0.01 min
Lab File: BE095698.D
Acq: 27 Feb 2018 11:48

Instrument :
BNA_E
ClientSampleId :

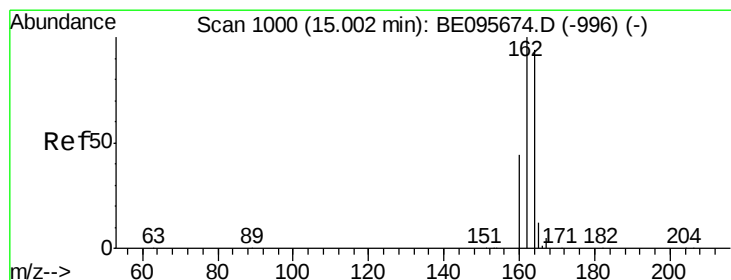
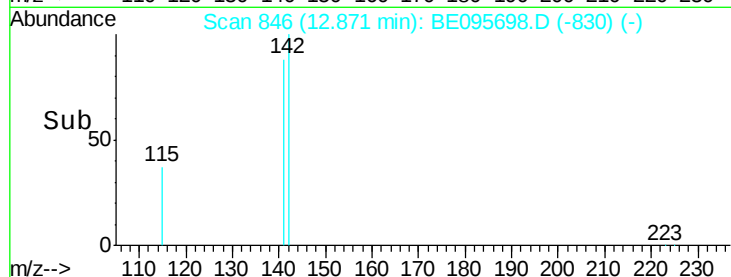
Tot Ion:142 Resp: 943
Ion Ratio Lower Upper
142 100
141 89.3 70.4 105.6
115 47.2 31.7 47.5



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

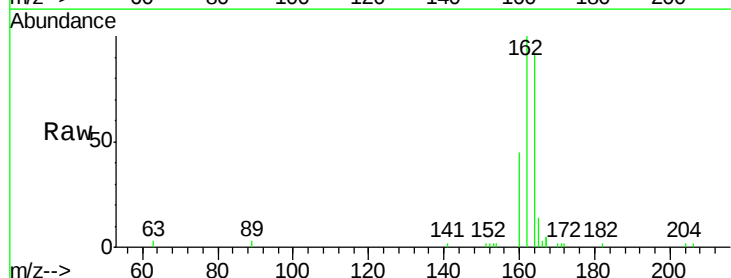


Time-->

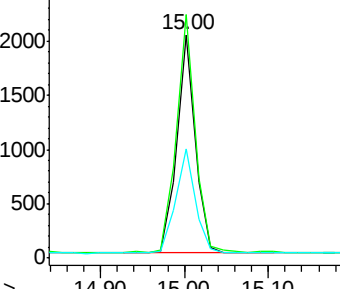


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 15.00 min Scan# 1000
Delta R.T. -0.00 min
Lab File: BE095698.D
Acq: 27 Feb 2018 11:48

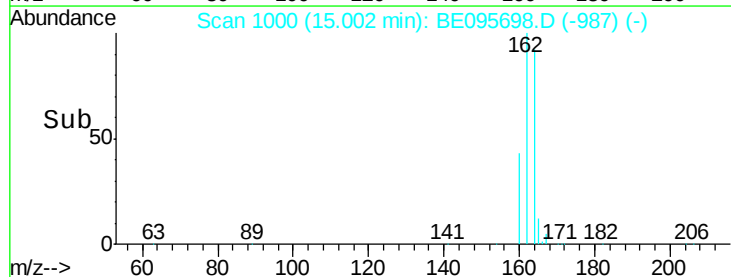
Tgt Ion:164 Resp: 3046
Ion Ratio Lower Upper
164 100
162 108.9 83.1 124.7
160 48.6 37.1 55.7

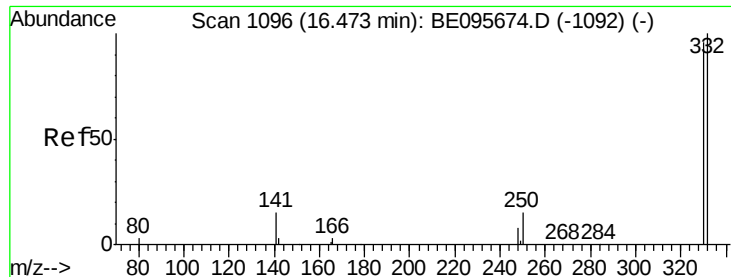


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E



Time-->

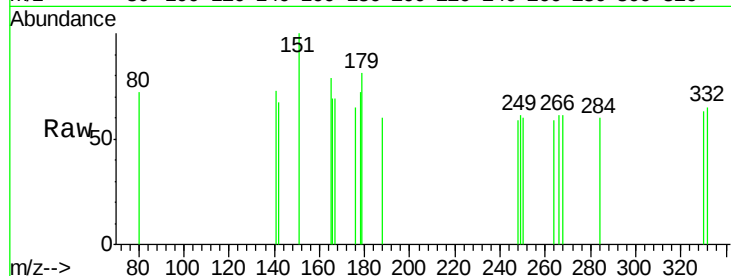




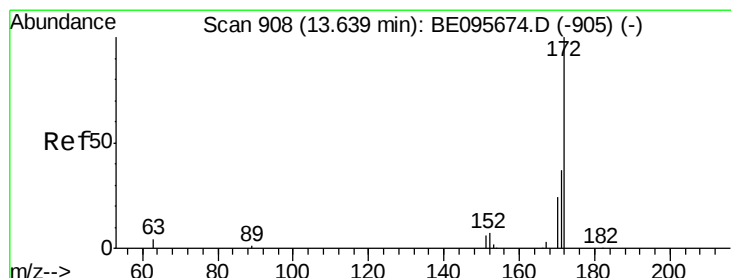
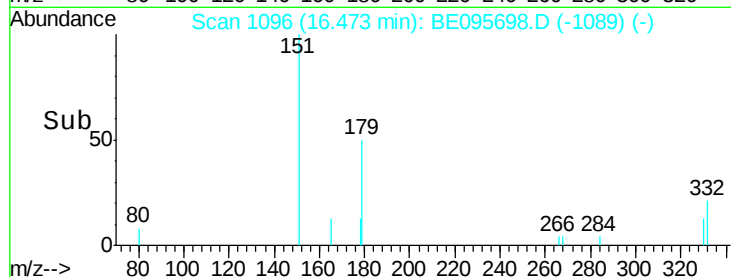
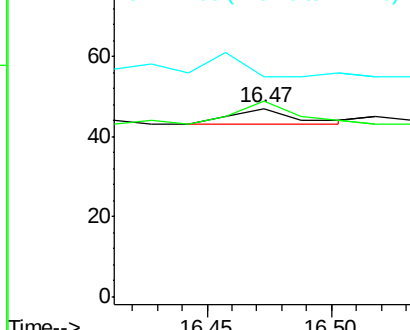
#14
 2,4,6-Tribromophenol
 Concen: 0.120 ng
 RT: 16.47 min Scan# 1096
 Delta R.T. -0.00 min
 Lab File: BE095698.D
 Acq: 27 Feb 2018 11:48

Instrument :
 BNA_E
 ClientSampled :

Tot Ion:330 Resp: 7
 Ion Ratio Lower Upper
 330 100
 332 157.1 152.7 229.1
 141 0.0 33.7 50.5#

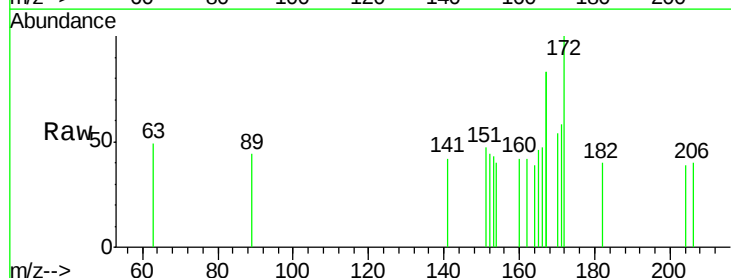


Abundance Ion 330.00 (329.70 to 330.70): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

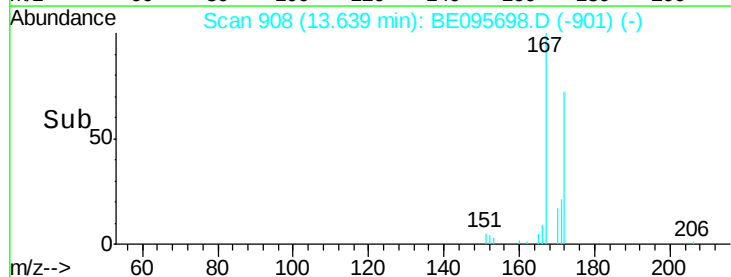
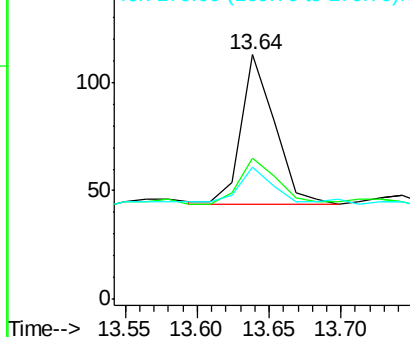


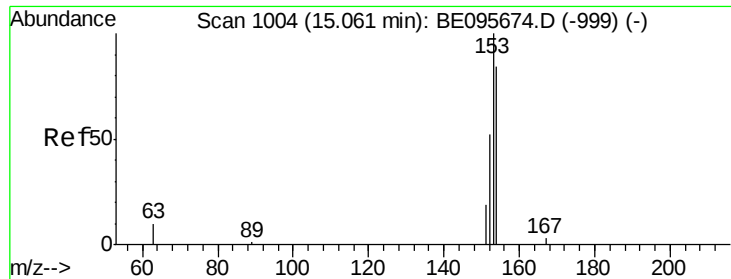
#15
 2-Fluorobiphenyl
 Concen: 0.008 ng
 RT: 13.64 min Scan# 908
 Delta R.T. -0.00 min
 Lab File: BE095698.D
 Acq: 27 Feb 2018 11:48

Tgt Ion:172 Resp: 111
 Ion Ratio Lower Upper
 172 100
 171 57.5 29.9 44.9#
 170 54.0 21.8 32.8#



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#17

Acenaphthene

Concen: 1.693 ng

RT: 15.06 min Scan# 1004

Delta R.T. -0.00 min

Lab File: BE095698.D

Acq: 27 Feb 2018 11:48

Instrument :

BNA_E

ClientSampleId :

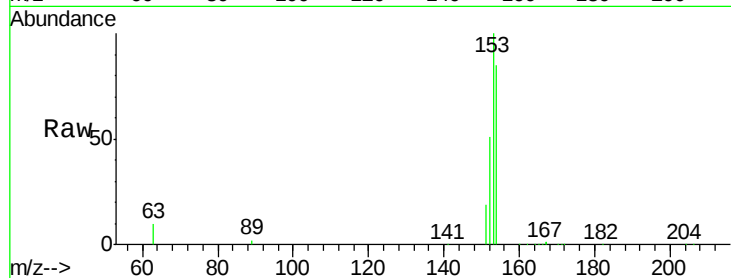
Tot Ion:154 Resp: 18191

Ion Ratio Lower Upper

154 100

153 117.4 89.2 133.8

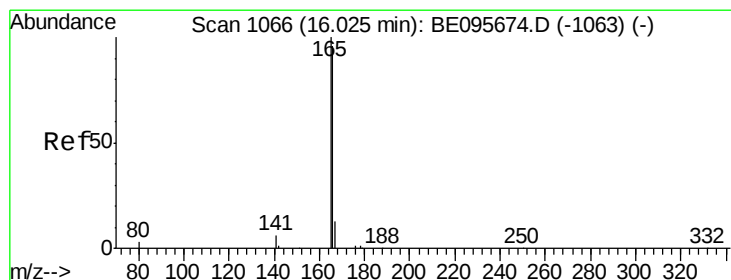
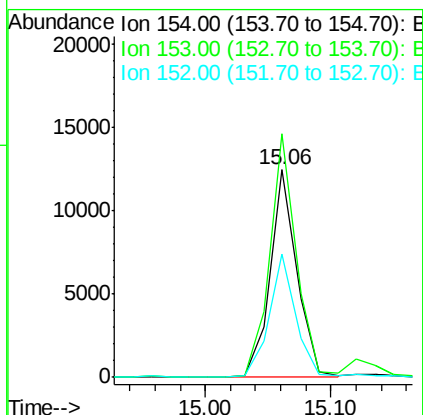
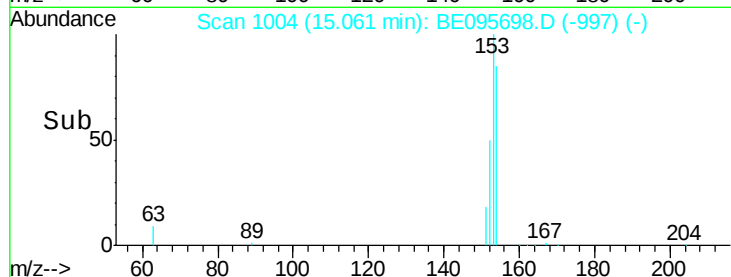
152 58.9 42.0 63.0



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: 0.920 ng

RT: 16.02 min Scan# 1066

Delta R.T. -0.00 min

Lab File: BE095698.D

Acq: 27 Feb 2018 11:48

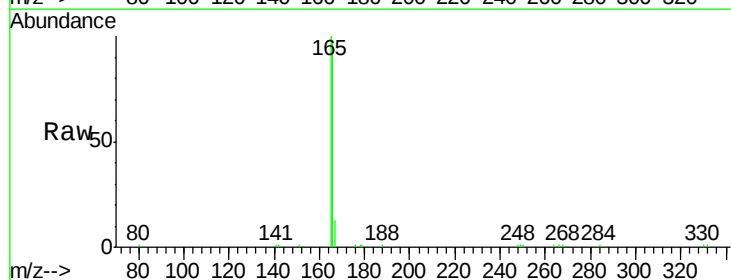
Tgt Ion:166 Resp: 12258

Ion Ratio Lower Upper

166 100

165 98.4 77.8 116.6

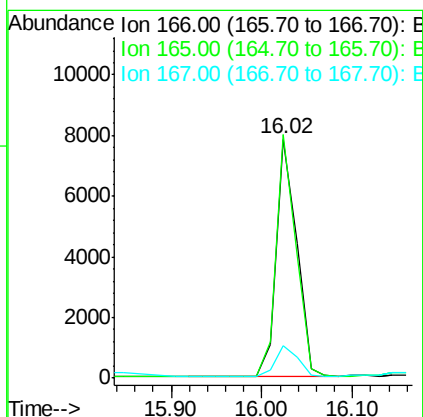
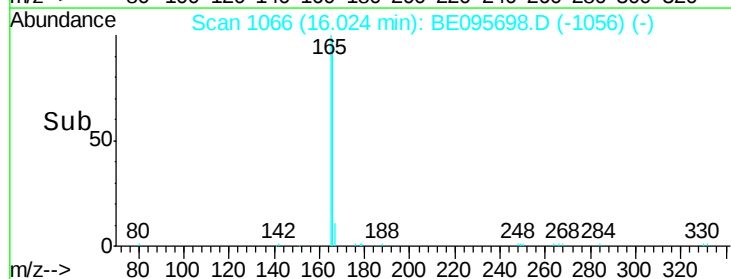
167 14.1 42.4 63.6#

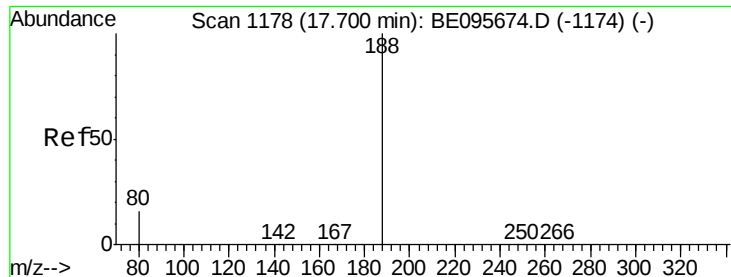


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.70 min Scan# 1178

Delta R.T. -0.00 min

Lab File: BE095698.D

Acq: 27 Feb 2018 11:48

Instrument :

BNA_E

ClientSampleId :

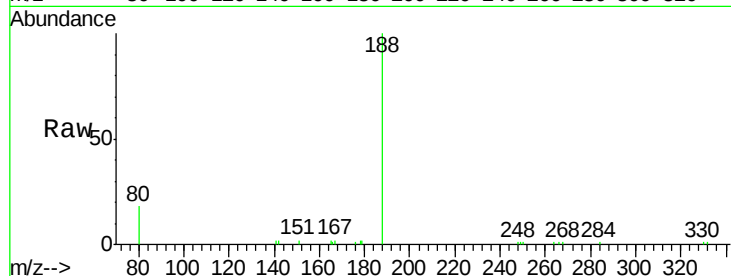
Tot Ion:188 Resp: 6655

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

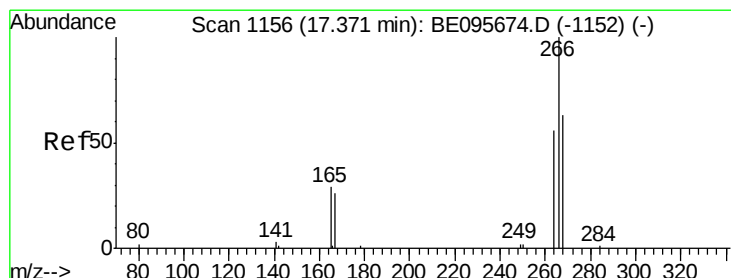
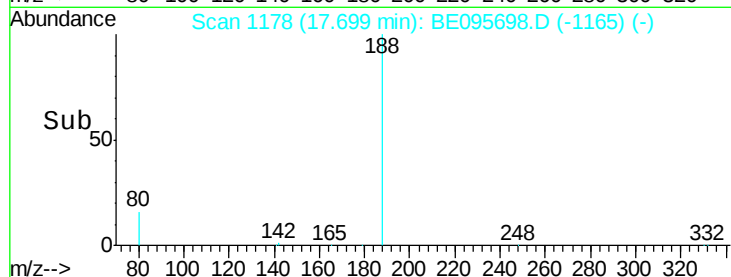
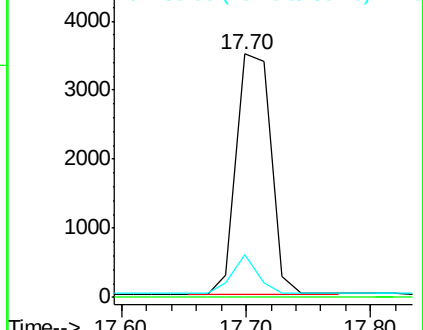
80 17.7 3.6 5.4#



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



#22

Pentachlorophenol

Concen: 0.211 ng

RT: 17.37 min Scan# 1156

Delta R.T. -0.00 min

Lab File: BE095698.D

Acq: 27 Feb 2018 11:48

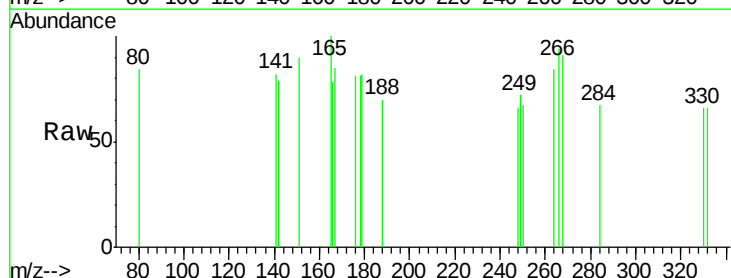
Tgt Ion:266 Resp: 51

Ion Ratio Lower Upper

266 100

264 88.9 72.5 108.7

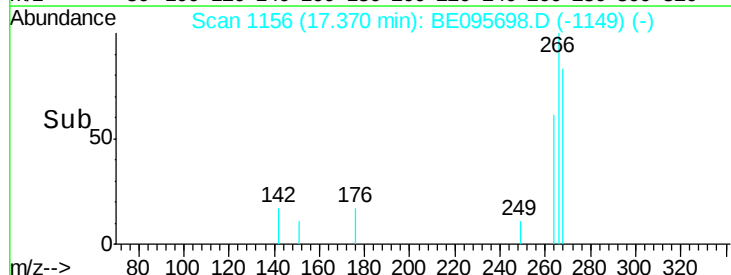
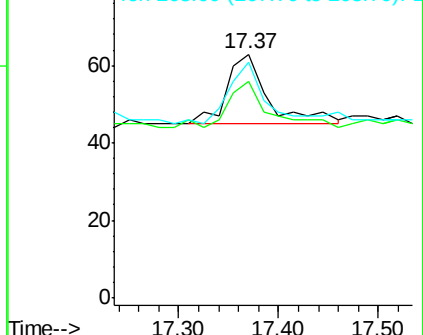
268 96.8 73.8 110.6

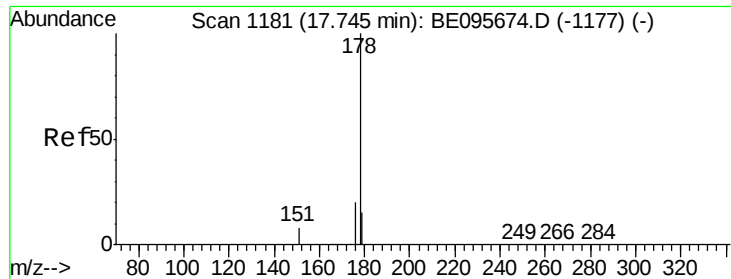


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.173 ng

RT: 17.74 min Scan# 1181

Delta R.T. -0.00 min

Lab File: BE095698.D

Acq: 27 Feb 2018 11:48

Instrument :

BNA_E

ClientSampleId :

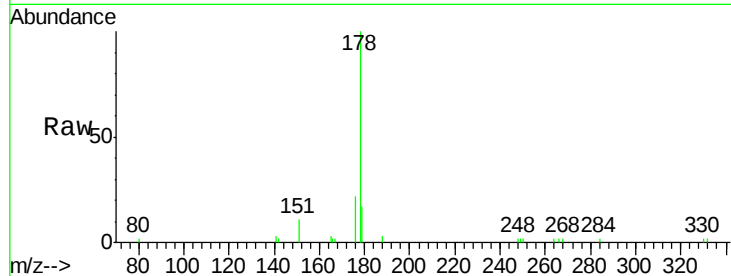
Tot Ion:178 Resp: 3608

Ion Ratio Lower Upper

178 100

176 20.1 15.1 22.7

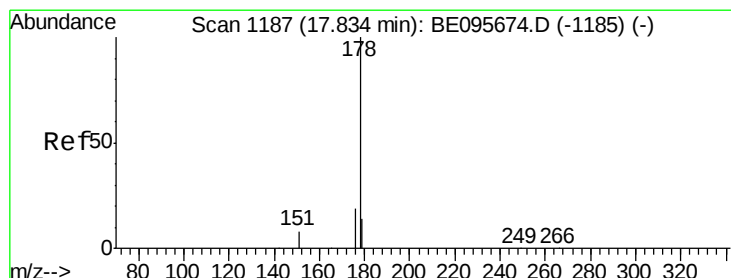
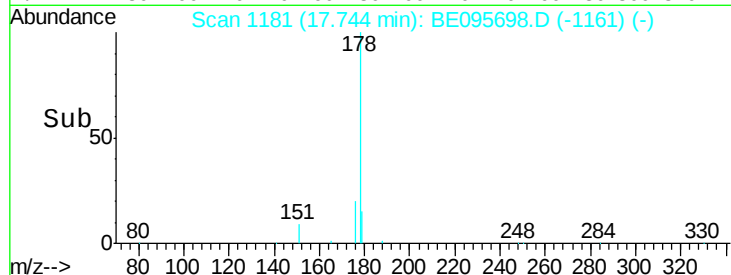
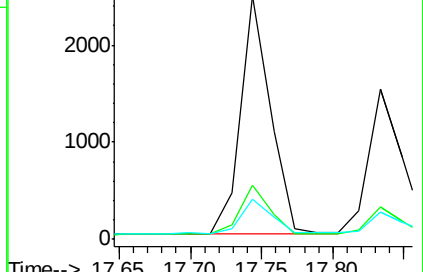
179 16.4 11.8 17.6



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



#24

Anthracene

Concen: 0.127 ng

RT: 17.83 min Scan# 1187

Delta R.T. -0.00 min

Lab File: BE095698.D

Acq: 27 Feb 2018 11:48

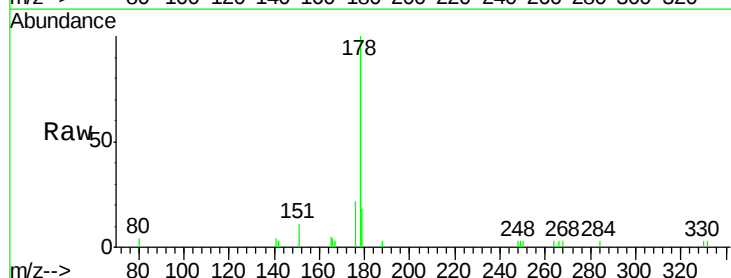
Tgt Ion:178 Resp: 2420

Ion Ratio Lower Upper

178 100

176 19.2 12.8 19.2#

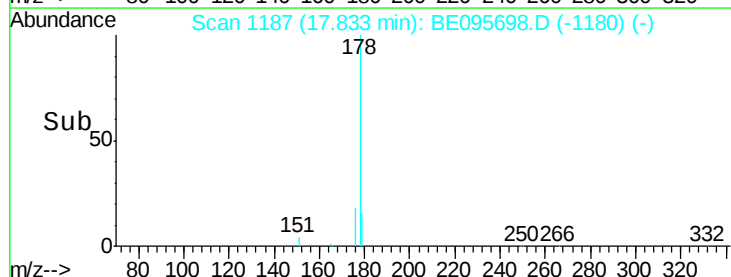
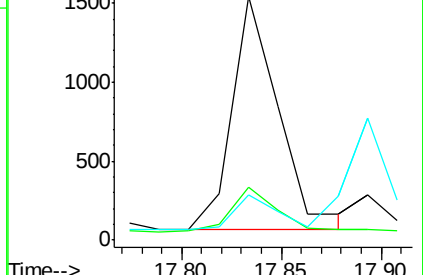
179 13.9 13.0 19.6

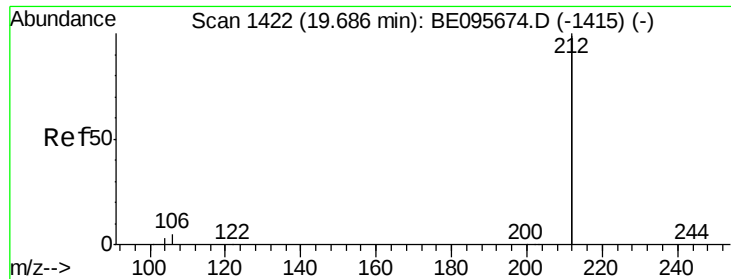


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.007 ng

RT: 19.68 min Scan# 1422

Delta R.T. -0.00 min

Lab File: BE095698.D

Acq: 27 Feb 2018 11:48

Instrument :

BNA_E

ClientSampleId :

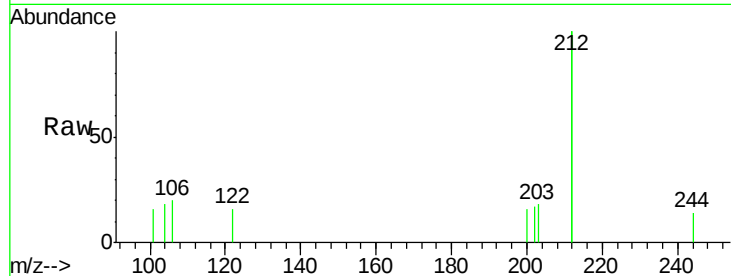
Tot Ion:212 Resp: 594

Ion Ratio Lower Upper

212 100

106 4.0 2.8 4.2

104 3.0 1.6 2.4#



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

19.68

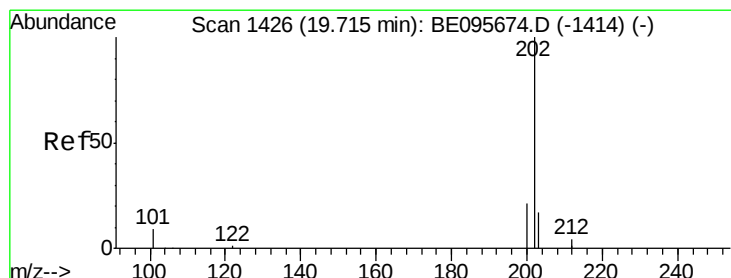
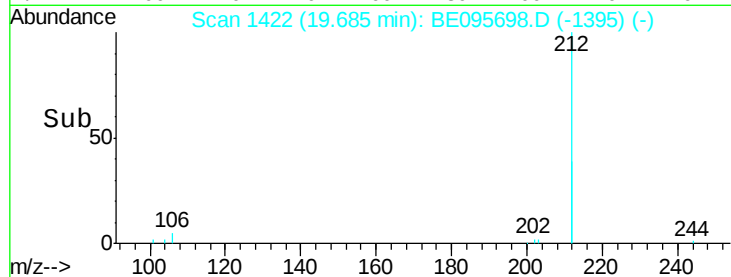
600

400

200

0

Time-->



#26

Fluoranthene

Concen: 0.123 ng

RT: 19.71 min Scan# 1426

Delta R.T. -0.00 min

Lab File: BE095698.D

Acq: 27 Feb 2018 11:48

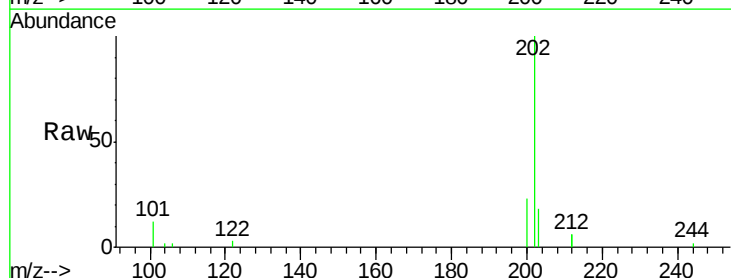
Tgt Ion:202 Resp: 3153

Ion Ratio Lower Upper

202 100

101 11.5 9.8 14.8

203 17.4 13.7 20.5



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

19.71

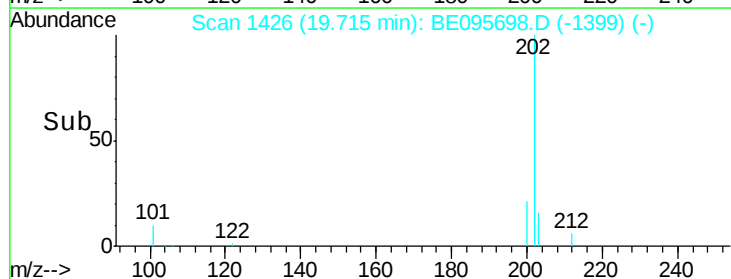
3000

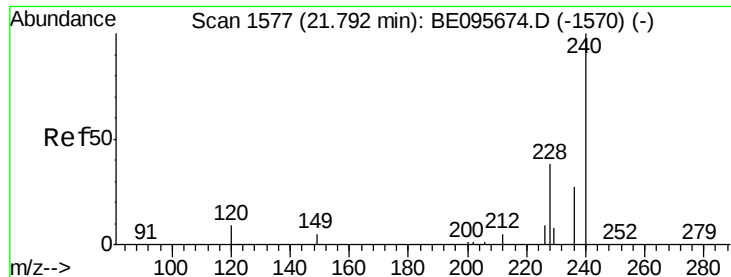
2000

1000

0

Time-->





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.79 min Scan# 1577

Delta R.T. -0.00 min

Lab File: BE095698.D

Acq: 27 Feb 2018 11:48

Instrument :

BNA_E

ClientSampleId :

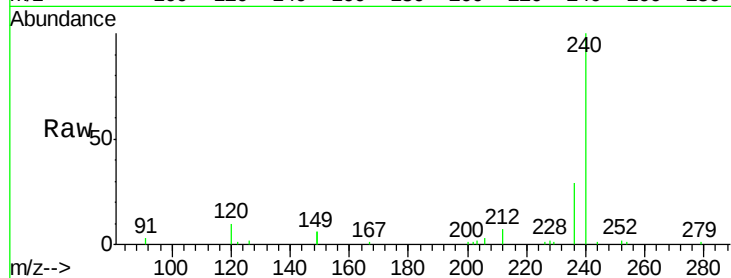
Tot Ion:240 Resp: 6536

Ion Ratio Lower Upper

240 100

120 10.4 5.5 8.3#

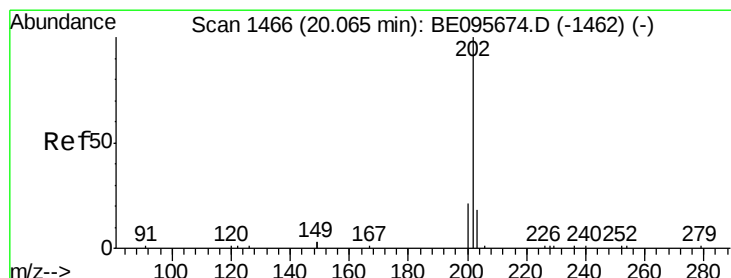
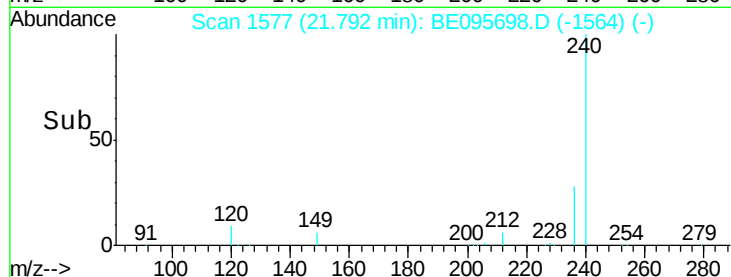
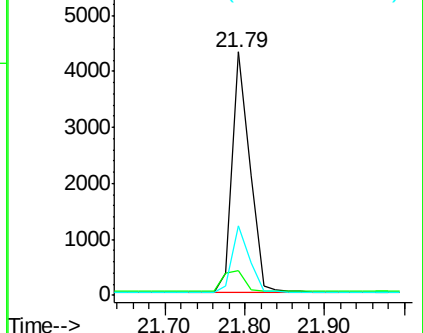
236 28.7 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#28

Pyrene

Concen: 0.081 ng

RT: 20.06 min Scan# 1466

Delta R.T. -0.00 min

Lab File: BE095698.D

Acq: 27 Feb 2018 11:48

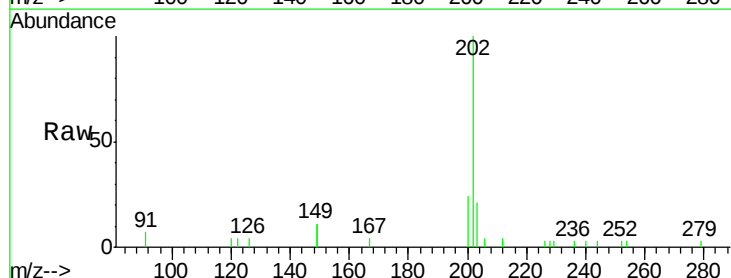
Tgt Ion:202 Resp: 2168

Ion Ratio Lower Upper

202 100

200 23.1 16.6 25.0

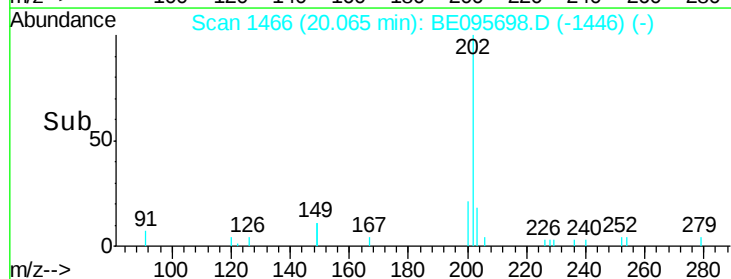
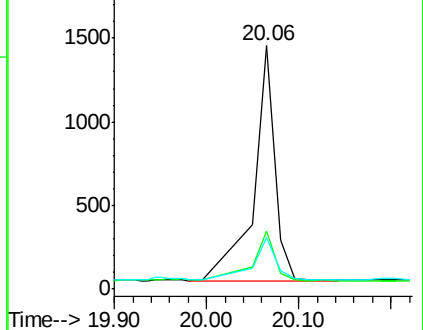
203 20.1 13.8 20.8

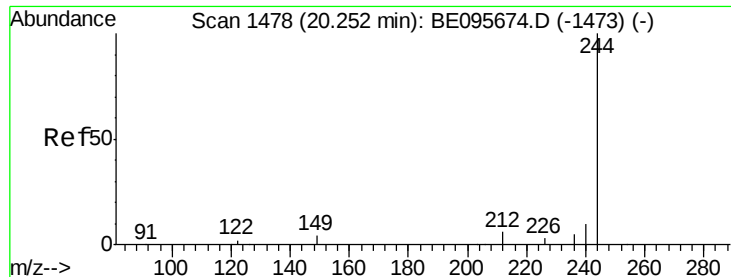


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.009 ng

RT: 20.25 min Scan# 1478

Delta R.T. -0.00 min

Lab File: BE095698.D

Acq: 27 Feb 2018 11:48

Instrument :

BNA_E

ClientSampleId :

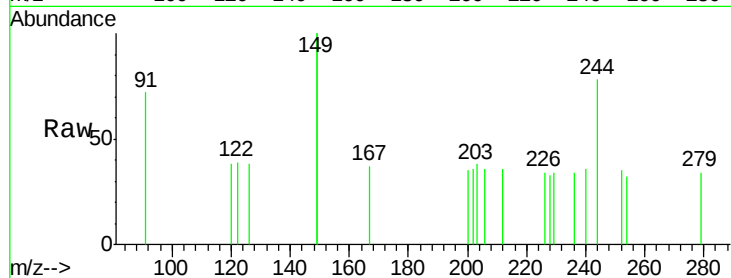
Tot Ion:244 Resp: 114

Ion Ratio Lower Upper

244 100

212 45.6 25.4 38.0#

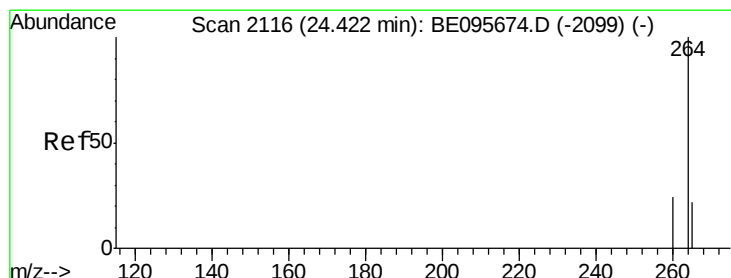
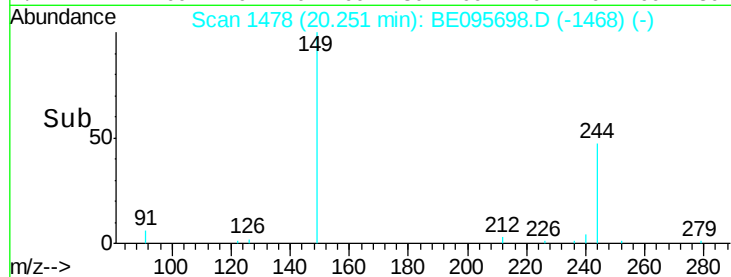
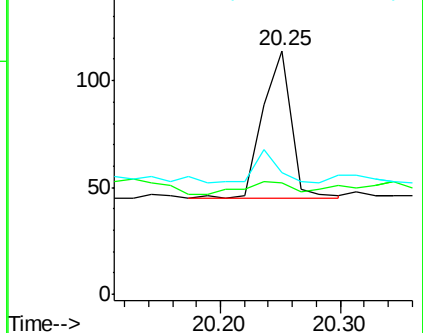
122 50.0 8.1 12.1#



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



#34

Perylene-d12

Concen: 0.400 ng

RT: 24.42 min Scan# 2116

Delta R.T. -0.00 min

Lab File: BE095698.D

Acq: 27 Feb 2018 11:48

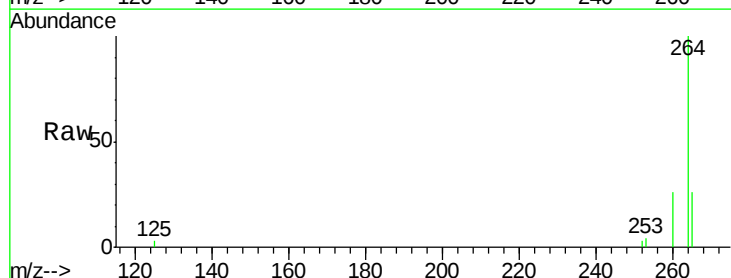
Tgt Ion:264 Resp: 6070

Ion Ratio Lower Upper

264 100

260 26.0 20.5 30.7

265 26.4 22.8 34.2



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

