

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE050118\
 Data File : BE096255.D
 Acq On : 1 May 2018 13:14
 Operator : SJ/JU
 Sample : J2464-06
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SS043MW010-180418

Quant Time: May 02 02:31:26 2018
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE041118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 30 14:27:29 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.36	152	710	0.40	ng	0.00
7) Naphthalene-d8	11.19	136	2656	0.40	ng	0.00
13) Acenaphthene-d10	14.95	164	1516	0.40	ng	0.00
19) Phenanthrene-d10	17.65	188	3584	0.40	ng	0.00
27) Chrysene-d12	21.74	240	3848	0.40	ng	0.00
34) Perylene-d12	24.35	264	3649	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.87	112	399	0.18	ng	0.00
5) Phenol-d6	7.52	99	382	0.13	ng	0.01
8) Nitrobenzene-d5	9.54	82	1304	0.42	ng	0.00
11) 2-Methylnaphthalene-d10	12.74	152	1586	0.38	ng	0.00
14) 2,4,6-Tribromophenol	16.41	330	321	0.44	ng	0.00
15) 2-Fluorobiphenyl	13.57	172	2475	0.38	ng	0.00
25) Fluoranthene-d10	19.64	212	19900	0.41	ng	0.00
29) Terphenyl-d14	20.19	244	3158	0.37	ng	0.00

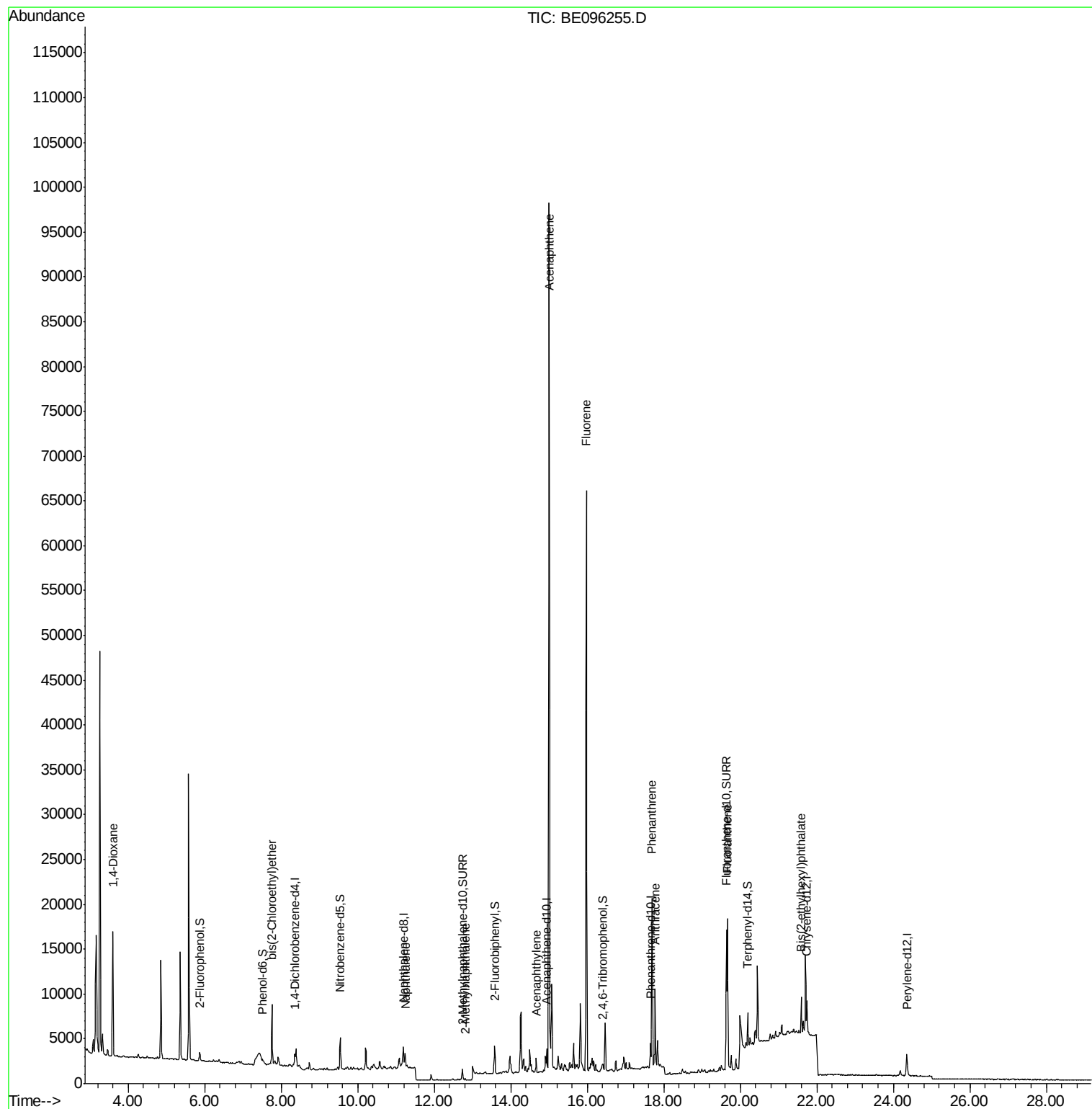
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.60	88	8538	7.785	ng	# 90
6) bis(2-Chloroethyl)ether	7.76	93	2208	0.828	ng	# 93
9) Naphthalene	11.24	128	3113	0.111	ng	# 91
12) 2-Methylnaphthalene	12.80	142	122	0.026	ng	# 64
16) Acenaphthylene	14.67	152	400	0.049	ng	# 53
17) Acenaphthene	15.00	154	45551	9.364	ng	# 94
18) Fluorene	15.97	166	44296	7.358	ng	# 79
23) Phenanthrene	17.68	178	20564	2.042	ng	# 98
24) Anthracene	17.78	178	8819	0.916	ng	# 88
26) Fluoranthene	19.66	202	10877	0.822	ng	# 50
32) Bis(2-ethylhexyl)phthalate	21.60	149	4599	0.144	ng	# 97

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

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 8.36 min Scan# 562

Delta R.T. 0.00 min

Lab File: BE096255.D

Acq: 1 May 2018 13:14

Instrument :

BNA_E

ClientSampleId :

SS043MW010-180418

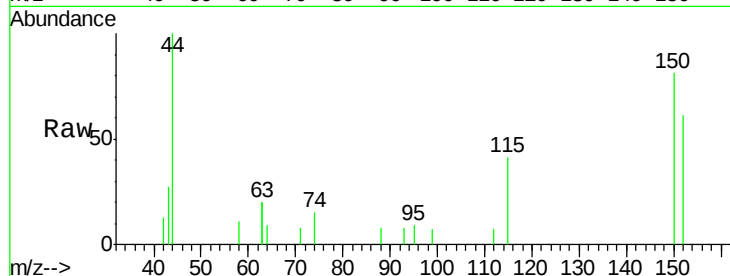
Tgt Ion:152 Resp: 710

Ion Ratio Lower Upper

152 100

150 132.7 117.2 175.8

115 67.0 57.0 85.6



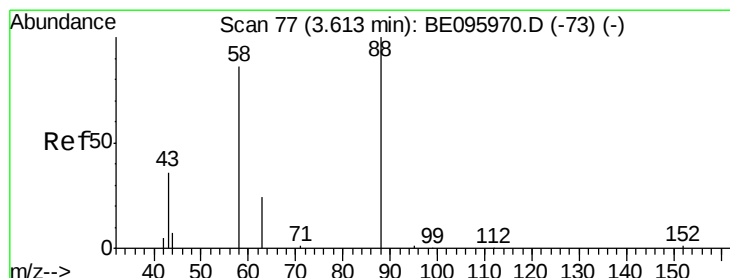
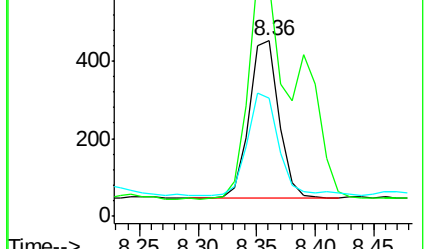
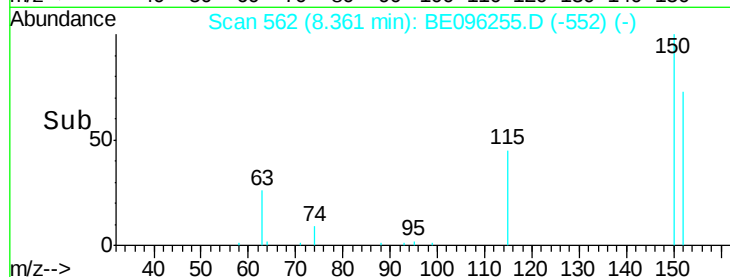
Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E

8.36

Time-->



#2

1,4-Dioxane

Concen: 7.785 ng

RT: 3.60 min Scan# 75

Delta R.T. -0.01 min

Lab File: BE096255.D

Acq: 1 May 2018 13:14

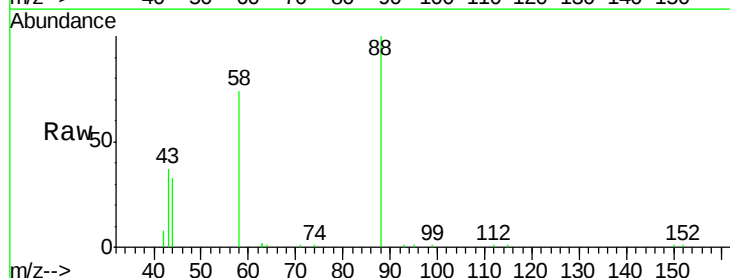
Tgt Ion: 88 Resp: 8538

Ion Ratio Lower Upper

88 100

58 84.6 63.2 94.8

43 41.0 41.2 61.8#



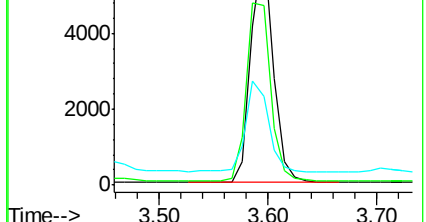
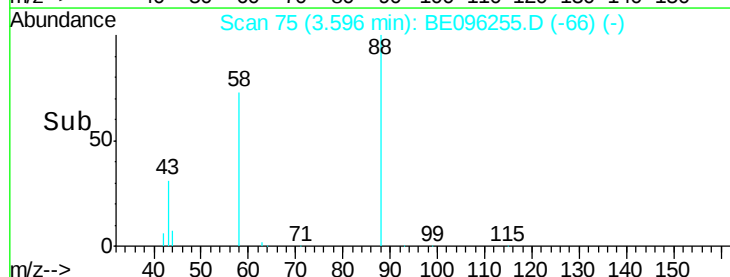
Abundance Ion 88.00 (87.70 to 88.70): BE0

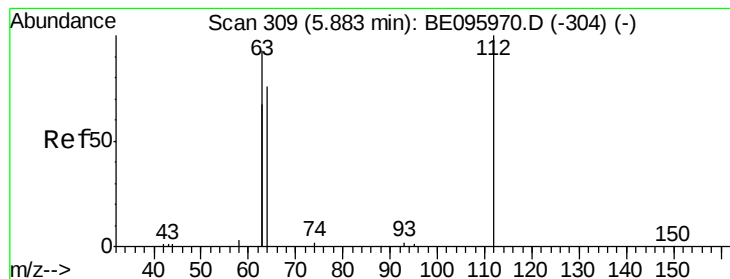
Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0

3.60

Time-->





#4

2-Fluorophenol

Concen: 0.182 ng

RT: 5.87 min Scan# 307

Delta R.T. 0.00 min

Lab File: BE096255.D

Acq: 1 May 2018 13:14

Instrument :

BNA_E

ClientSampleId :

SS043MW010-180418

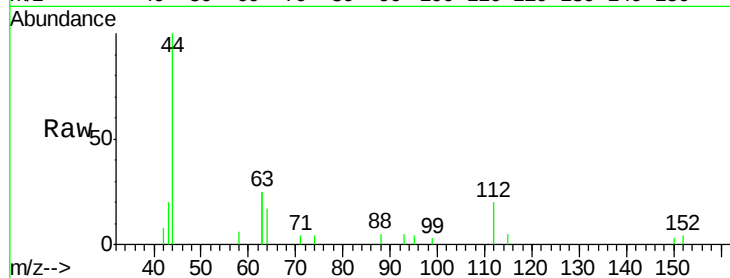
Tgt Ion: 112 Resp: 399

Ion Ratio Lower Upper

112 100

64 79.2 60.1 90.1

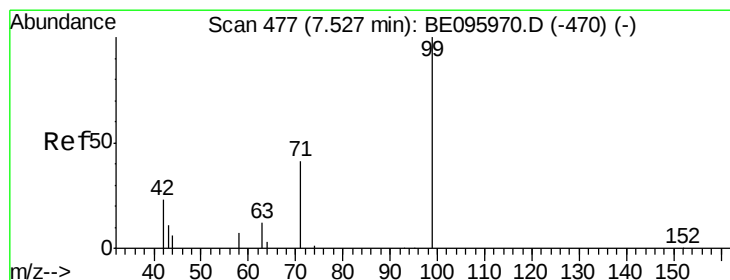
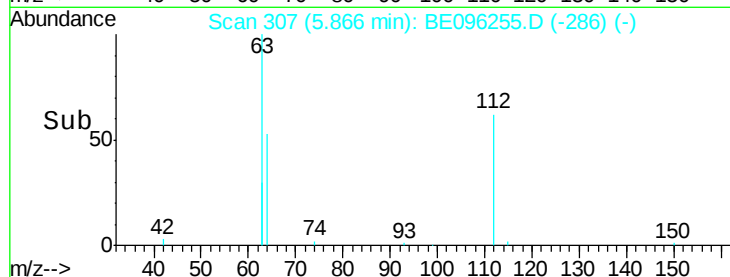
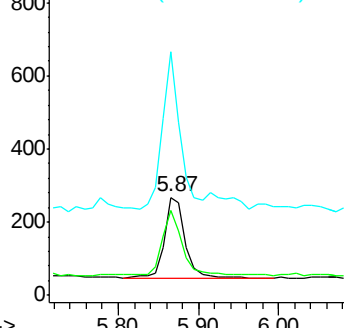
63 167.9 116.8 175.2



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: 0.126 ng

RT: 7.52 min Scan# 476

Delta R.T. 0.01 min

Lab File: BE096255.D

Acq: 1 May 2018 13:14

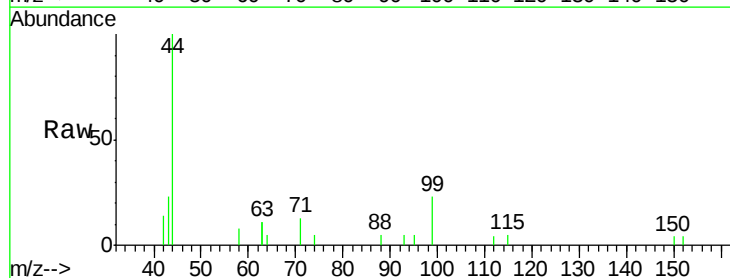
Tgt Ion: 99 Resp: 382

Ion Ratio Lower Upper

99 100

42 37.2 20.2 30.2#

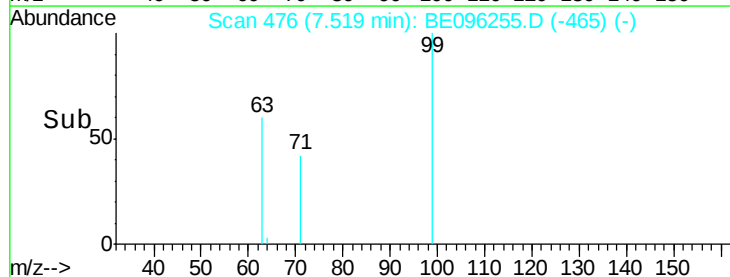
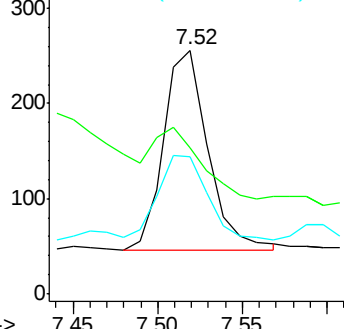
71 47.6 28.4 42.6#

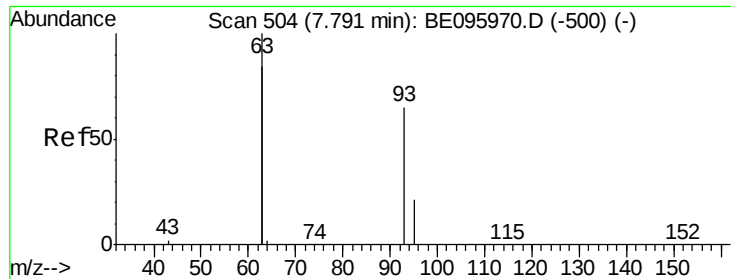


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0





#6

bis(2-Chloroethyl)ether

Concen: 0.828 ng

RT: 7.76 min Scan# 501

Delta R.T. 0.00 min

Lab File: BE096255.D

Acq: 1 May 2018 13:14

Instrument :

BNA_E

ClientSampleId :

SS043MW010-180418

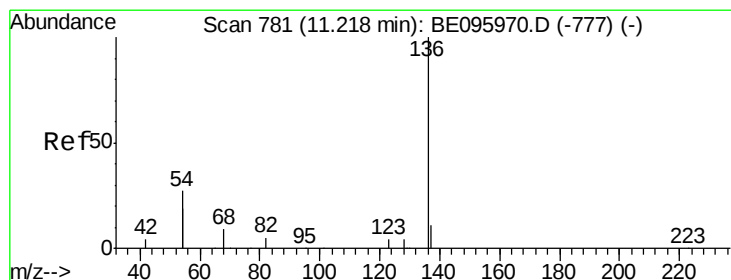
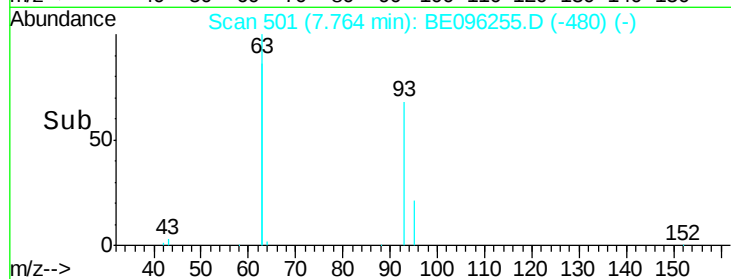
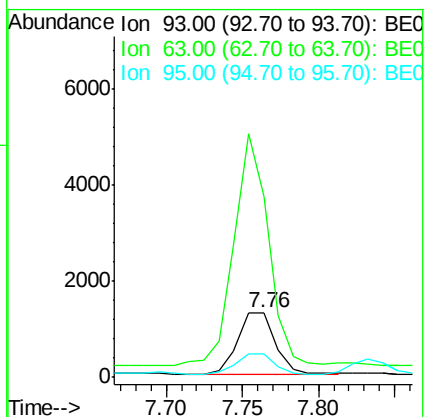
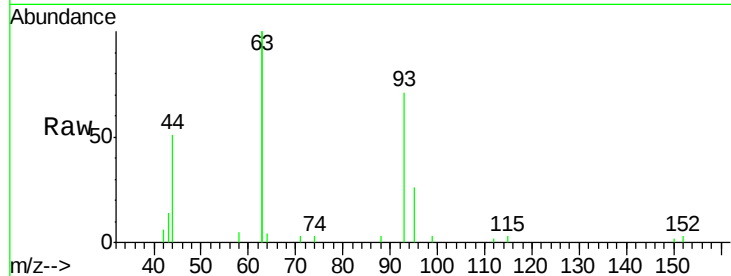
Tgt Ion: 93 Resp: 2208

Ion Ratio Lower Upper

93 100

63 359.6 275.3 412.9

95 35.4 25.2 37.8



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 11.19 min Scan# 779

Delta R.T. -0.00 min

Lab File: BE096255.D

Acq: 1 May 2018 13:14

Tgt Ion: 136 Resp: 2656

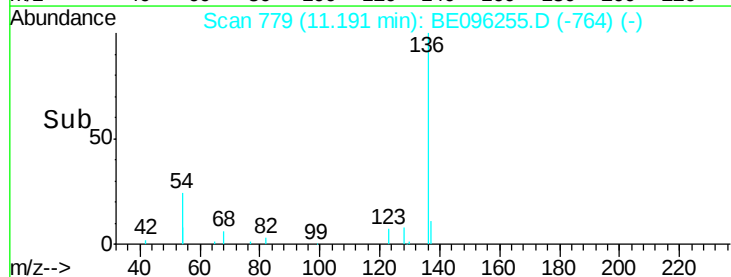
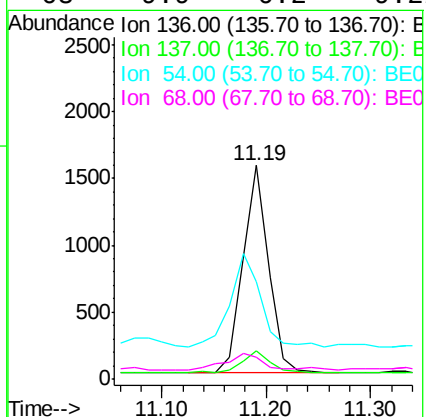
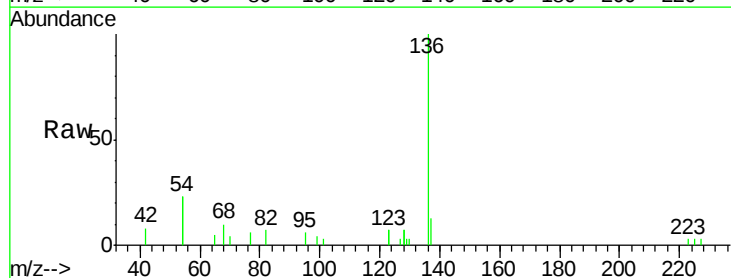
Ion Ratio Lower Upper

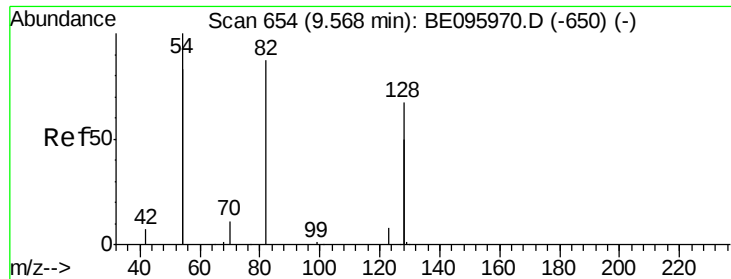
136 100

137 13.2 9.5 14.3

54 45.6 29.1 43.7#

68 9.9 6.2 9.2#





#8

Nitrobenzene-d5

Concen: 0.419 ng

RT: 9.54 min Scan# 652

Delta R.T. -0.00 min

Lab File: BE096255.D

Acq: 1 May 2018 13:14

Instrument :

BNA_E

ClientSampleId :

SS043MW010-180418

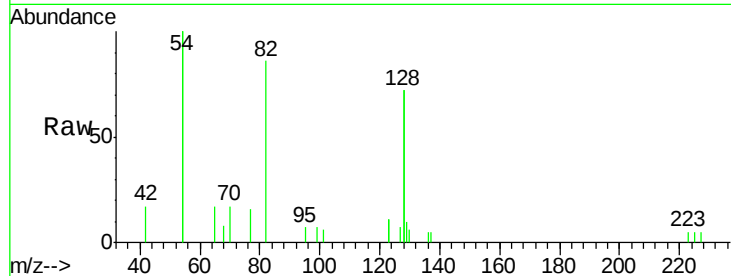
Tgt Ion: 82 Resp: 1304

Ion Ratio Lower Upper

82 100

128 166.5 150.0 225.0

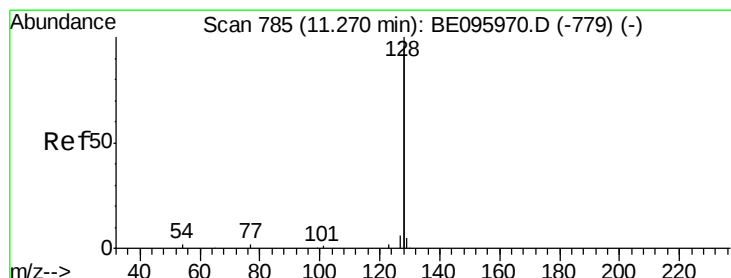
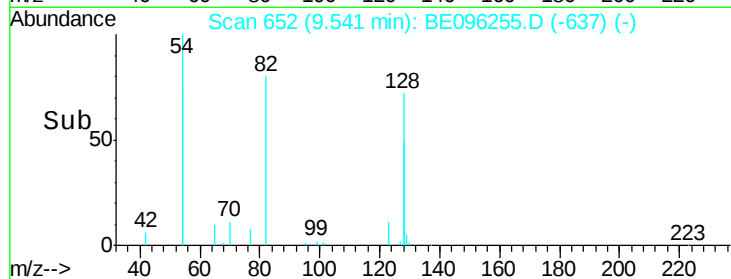
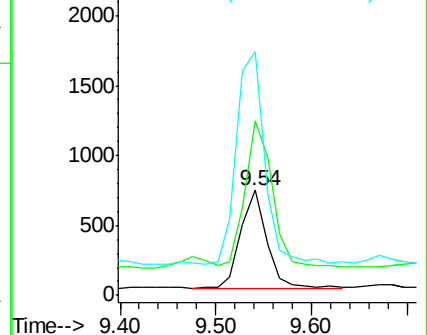
54 231.6 154.2 231.4#



Abundance Ion 82.00 (81.70 to 82.70): BE095970.D (-650) (-)

Ion 128.00 (127.70 to 128.70): BE095970.D (-650) (-)

Ion 54.00 (53.70 to 54.70): BE095970.D (-650) (-)



#9

Naphthalene

Concen: 0.111 ng

RT: 11.24 min Scan# 783

Delta R.T. -0.00 min

Lab File: BE096255.D

Acq: 1 May 2018 13:14

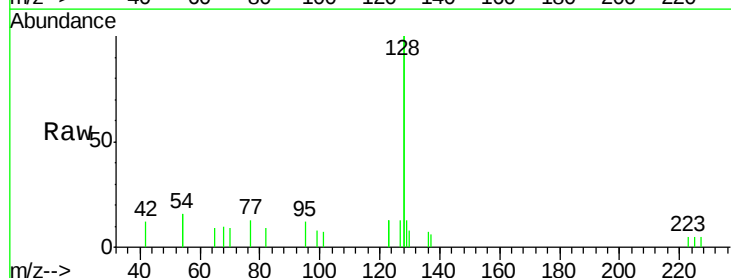
Tgt Ion: 128 Resp: 3113

Ion Ratio Lower Upper

128 100

129 6.7 2.6 3.8#

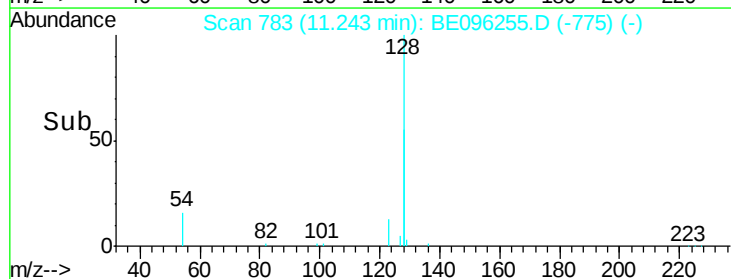
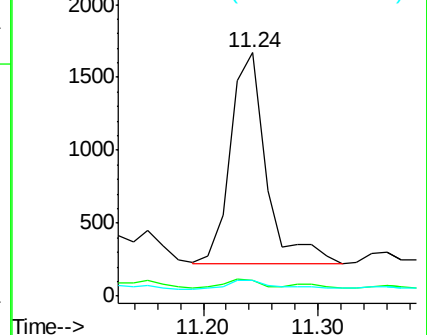
127 6.3 2.8 4.2#

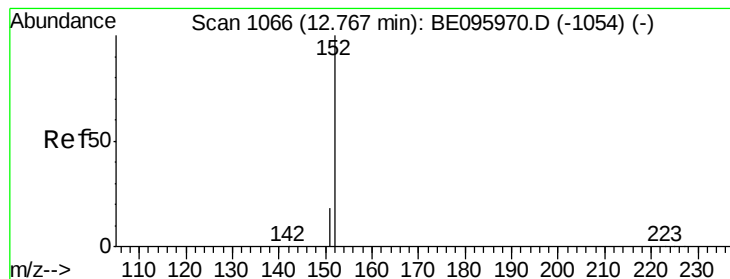


Abundance Ion 128.00 (127.70 to 128.70): BE095970.D (-779) (-)

Ion 129.00 (128.70 to 129.70): BE095970.D (-779) (-)

Ion 127.00 (126.70 to 127.70): BE095970.D (-779) (-)





#11

2-Methylnaphthalene-d10

Concen: 0.377 ng

RT: 12.74 min Scan# 1059

Delta R.T. -0.00 min

Lab File: BE096255.D

Acq: 1 May 2018 13:14

Instrument :

BNA_E

ClientSampleId :

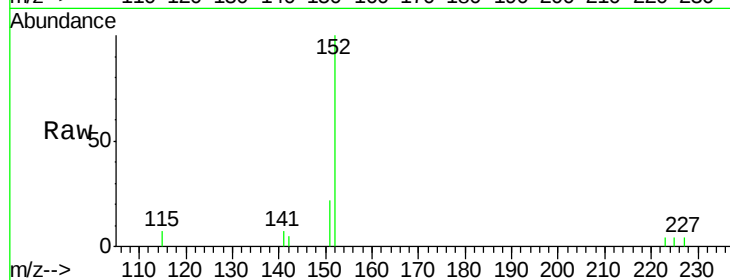
SS043MW010-180418

Tgt Ion:152 Resp: 1586

Ion Ratio Lower Upper

152 100

151 23.1 15.4 23.0#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.74

1200

1000

800

600

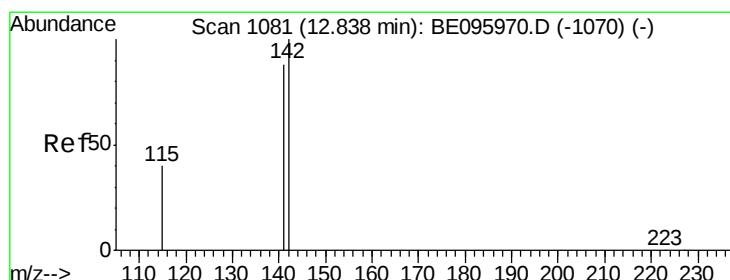
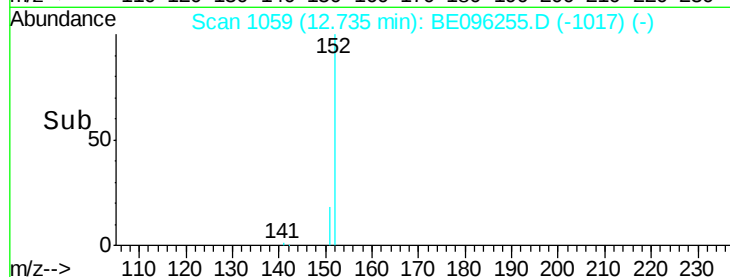
400

200

0

Time-->

12.70 12.75 12.80



#12

2-Methylnaphthalene

Concen: 0.026 ng

RT: 12.80 min Scan# 1073

Delta R.T. -0.01 min

Lab File: BE096255.D

Acq: 1 May 2018 13:14

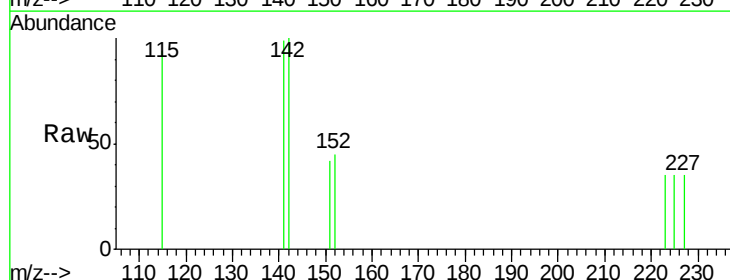
Tgt Ion:142 Resp: 122

Ion Ratio Lower Upper

142 100

141 99.2 70.4 105.6

115 94.5 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

12.80

150

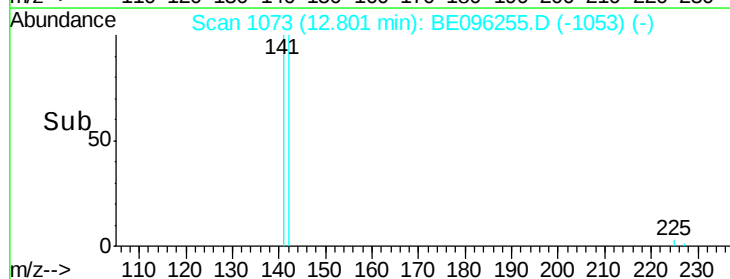
100

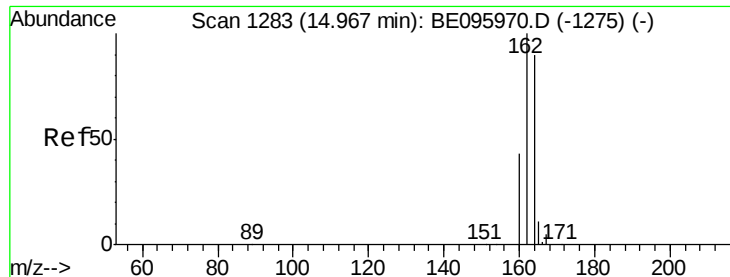
50

0

Time-->

12.75 12.80 12.85





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.95 min Scan# 1281

Delta R.T. 0.00 min

Lab File: BE096255.D

Acq: 1 May 2018 13:14

Instrument :

BNA_E

ClientSampleId :

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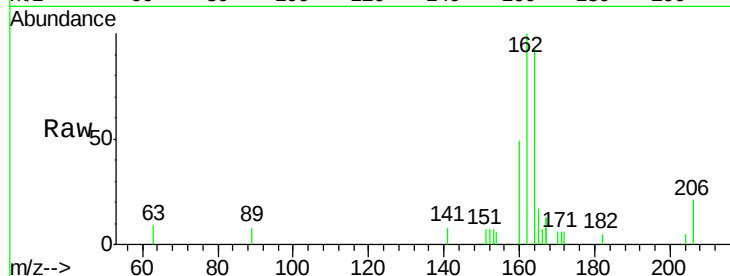
Tgt Ion:164 Resp: 1516

Ion Ratio Lower Upper

164 100

162 107.9 83.1 124.7

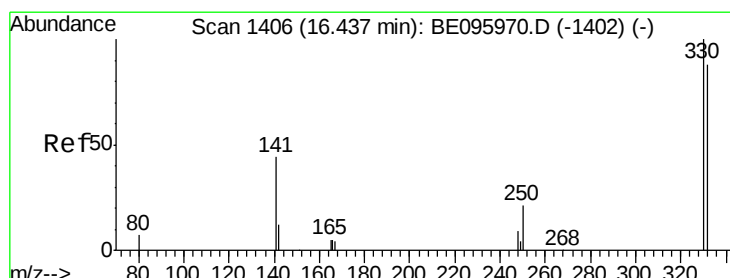
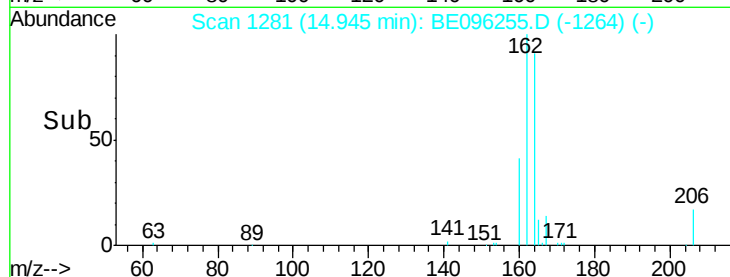
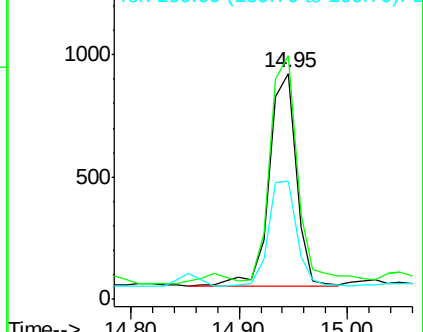
160 52.5 37.1 55.7



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



#14

2,4,6-Tribromophenol

Concen: 0.438 ng

RT: 16.41 min Scan# 1404

Delta R.T. 0.00 min

Lab File: BE096255.D

Acq: 1 May 2018 13:14

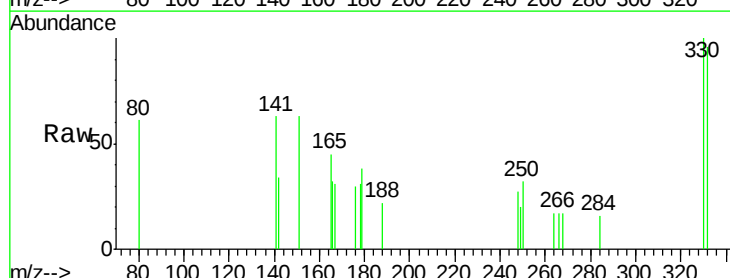
Tgt Ion:330 Resp: 321

Ion Ratio Lower Upper

330 100

332 98.8 152.7 229.1#

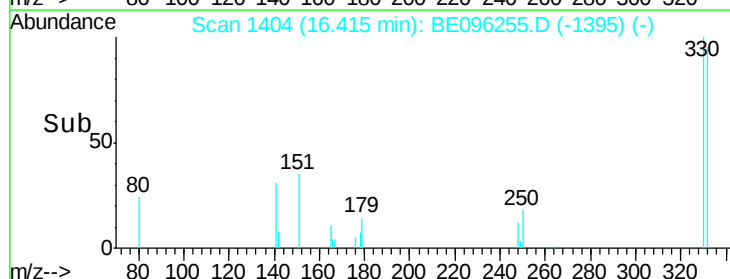
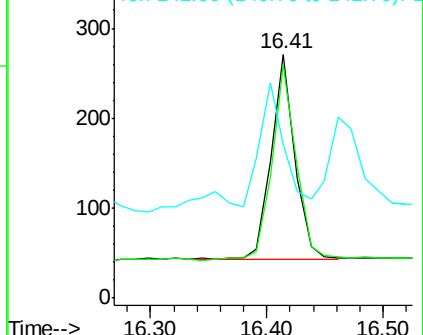
141 63.6 33.7 50.5#

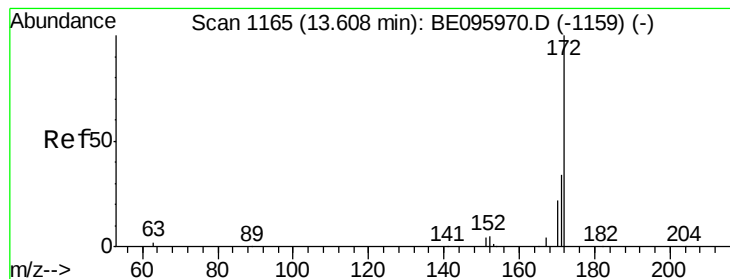


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.382 ng

RT: 13.57 min Scan# 1162

Delta R.T. 0.00 min

Lab File: BE096255.D

Acq: 1 May 2018 13:14

Instrument :

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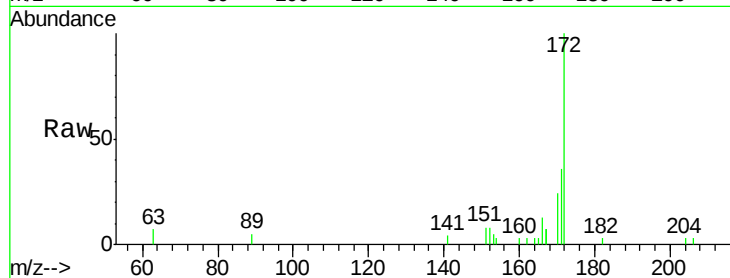
Tgt Ion:172 Resp: 2475

Ion Ratio Lower Upper

172 100

171 36.0 29.9 44.9

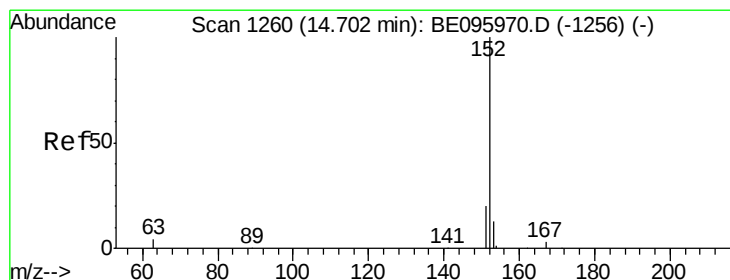
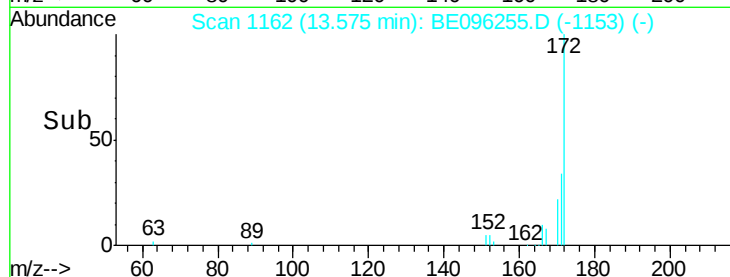
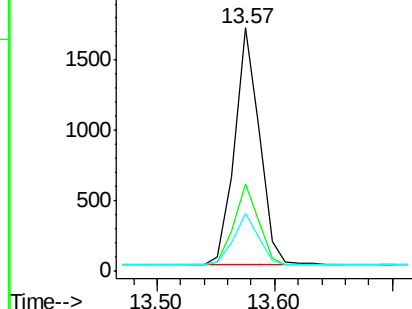
170 24.0 21.8 32.8



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



#16

Acenaphthylene

Concen: 0.049 ng

RT: 14.67 min Scan# 1257

Delta R.T. 0.00 min

Lab File: BE096255.D

Acq: 1 May 2018 13:14

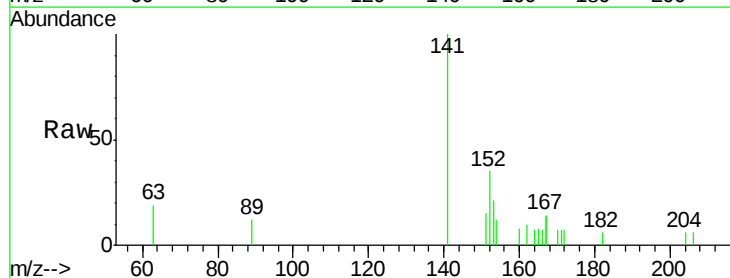
Tgt Ion:152 Resp: 400

Ion Ratio Lower Upper

152 100

151 25.0 15.7 23.5#

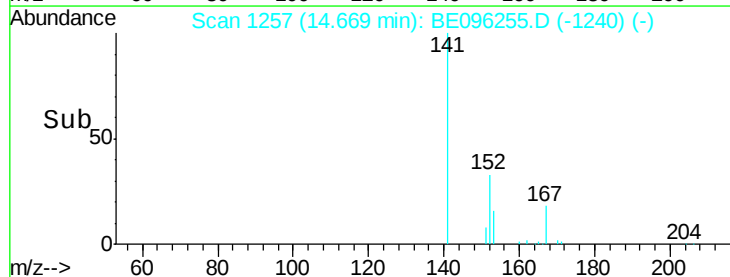
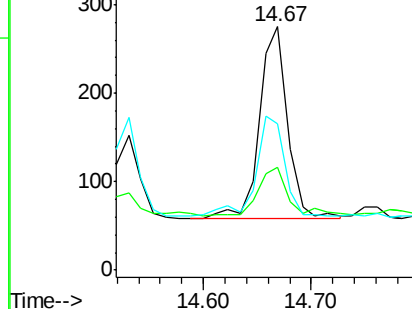
153 52.8 10.5 15.7#

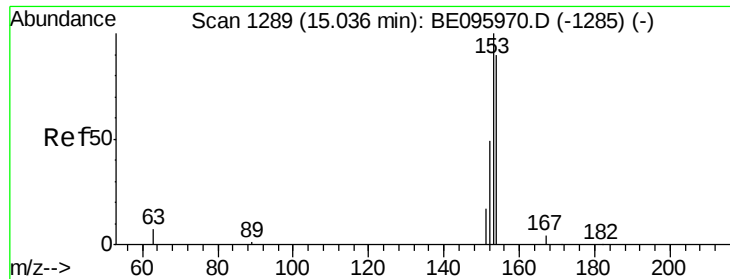


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 9.364 ng

RT: 15.00 min Scan# 1286

Delta R.T. 0.00 min

Lab File: BE096255.D

Acq: 1 May 2018 13:14

Instrument :

BNA_E

ClientSampleId :

SS043MW010-180418

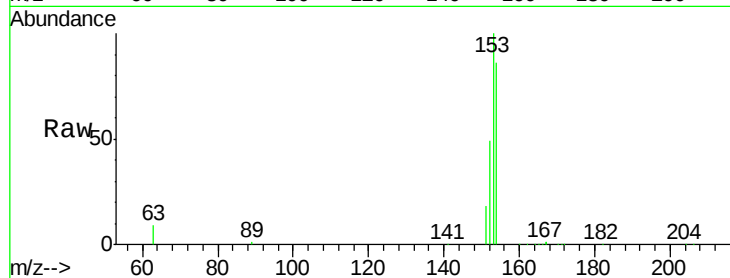
Tgt Ion:154 Resp: 45551

Ion Ratio Lower Upper

154 100

153 116.8 89.2 133.8

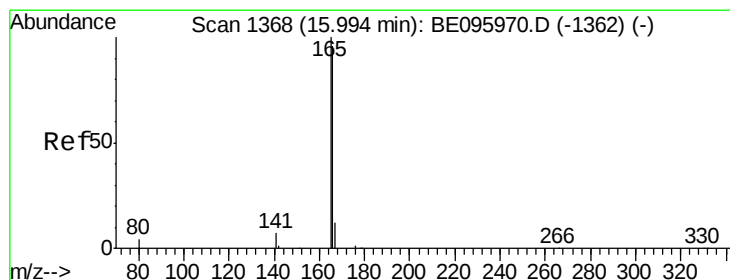
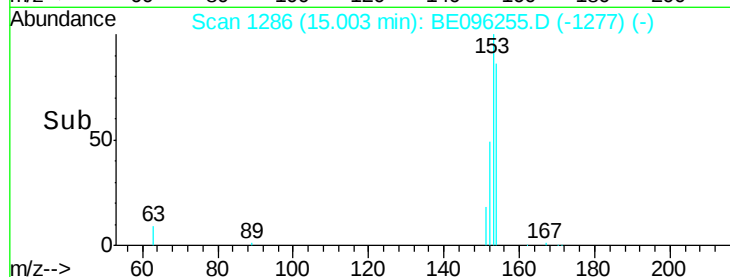
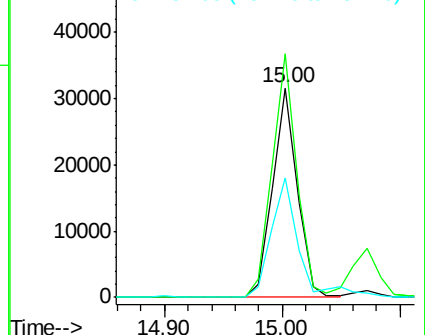
152 59.1 42.0 63.0



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: 7.358 ng

RT: 15.97 min Scan# 1366

Delta R.T. 0.00 min

Lab File: BE096255.D

Acq: 1 May 2018 13:14

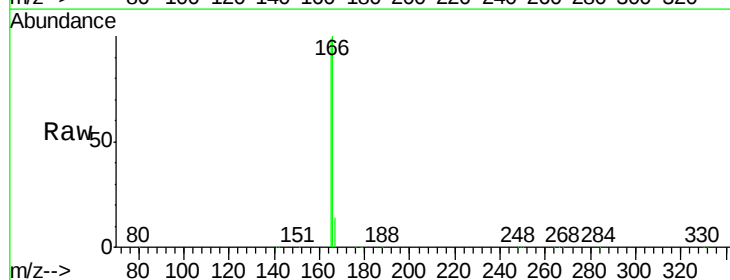
Tgt Ion:166 Resp: 44296

Ion Ratio Lower Upper

166 100

165 100.2 77.8 116.6

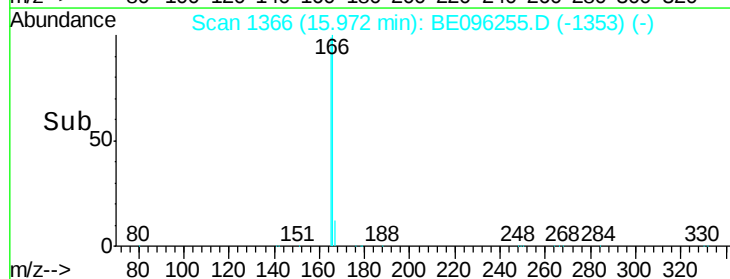
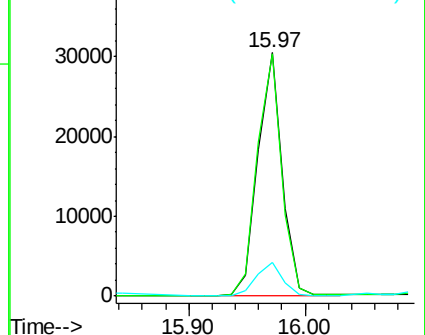
167 14.3 42.4 63.6#

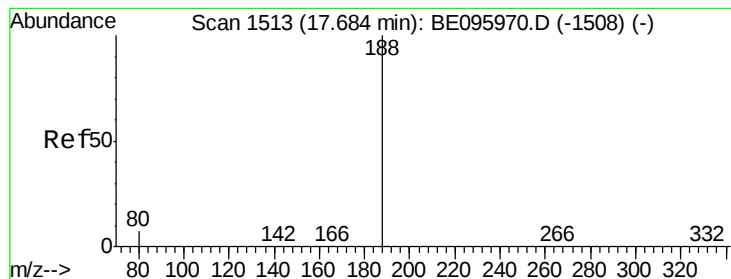


Abundance Ion 166.00 (165.70 to 166.70): E

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: 17.65 min Scan# 1510

Delta R.T. 0.00 min

Lab File: BE096255.D

Acq: 1 May 2018 13:14

Instrument :

BNA_E

ClientSampleId :

SS043MW010-180418

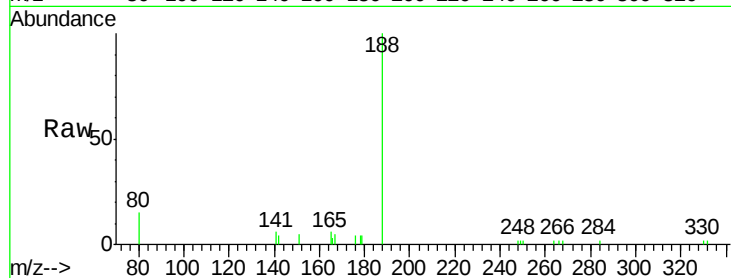
Tgt Ion:188 Resp: 3584

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

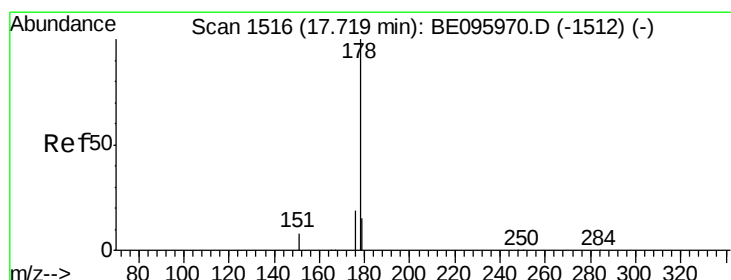
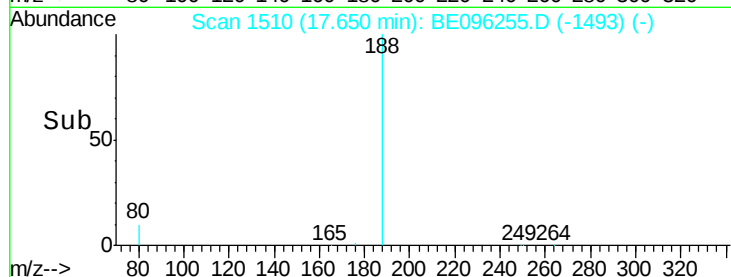
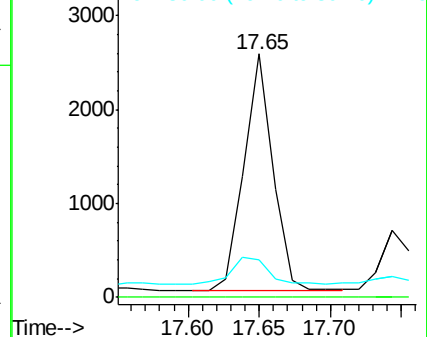
80 15.4 3.6 5.4#



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



#23

Phenanthrene

Concen: 2.042 ng

RT: 17.68 min Scan# 1513

Delta R.T. -0.01 min

Lab File: BE096255.D

Acq: 1 May 2018 13:14

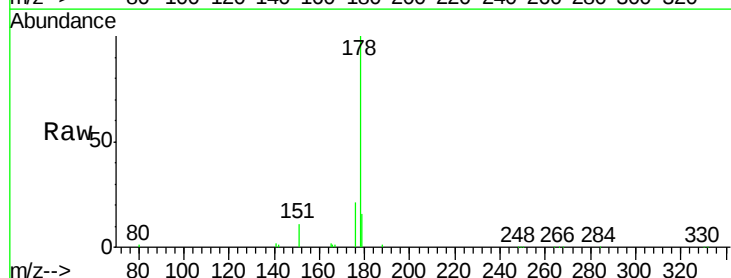
Tgt Ion:178 Resp: 20564

Ion Ratio Lower Upper

178 100

176 20.0 15.1 22.7

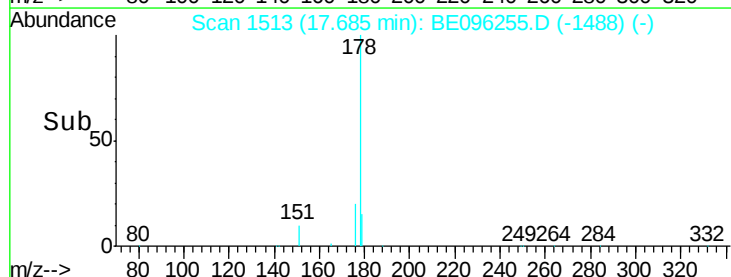
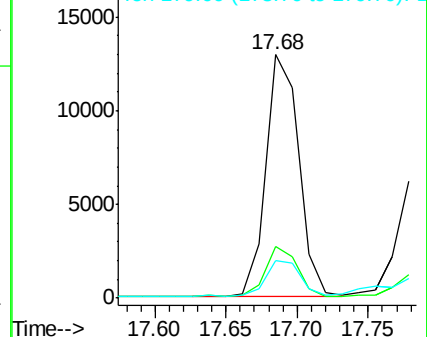
179 15.3 11.8 17.6

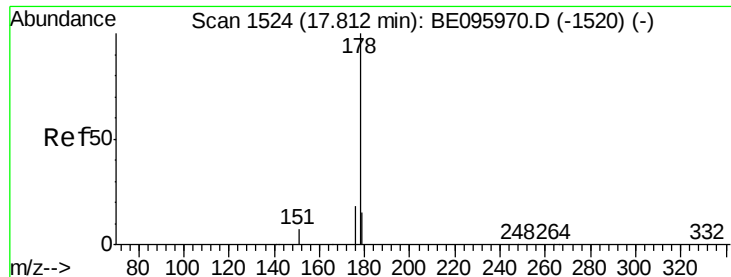


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#24

Anthracene

Concen: 0.916 ng

RT: 17.78 min Scan# 1521

Delta R.T. 0.00 min

Lab File: BE096255.D

Acq: 1 May 2018 13:14

Instrument :

BNA_E

ClientSampleId :

SS043MW010-180418

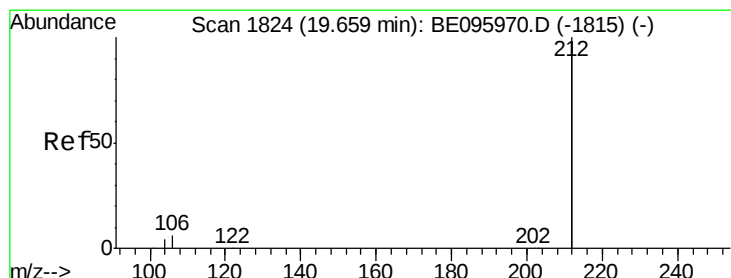
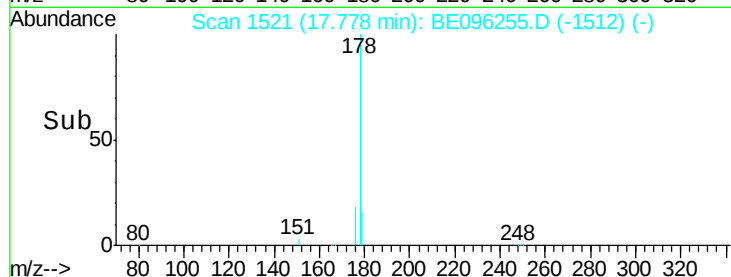
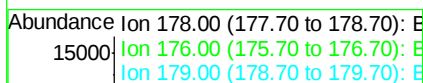
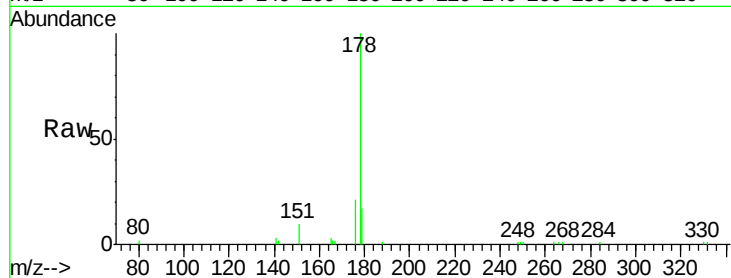
Tgt Ion:178 Resp: 8819

Ion Ratio Lower Upper

178 100

176 19.1 12.8 19.2

179 23.1 13.0 19.6#



#25

Fluoranthene-d10

Concen: 0.409 ng

RT: 19.64 min Scan# 1820

Delta R.T. 0.00 min

Lab File: BE096255.D

Acq: 1 May 2018 13:14

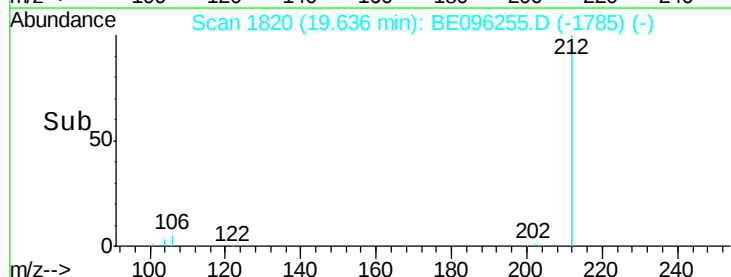
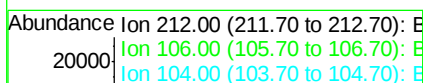
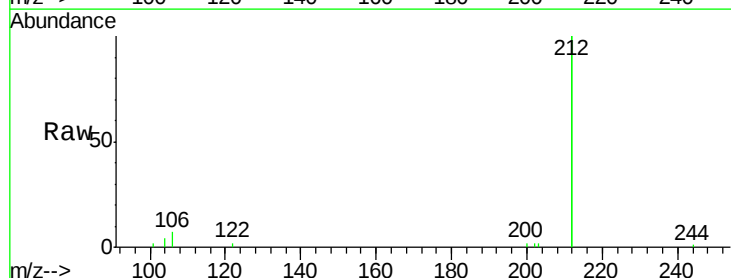
Tgt Ion:212 Resp: 19900

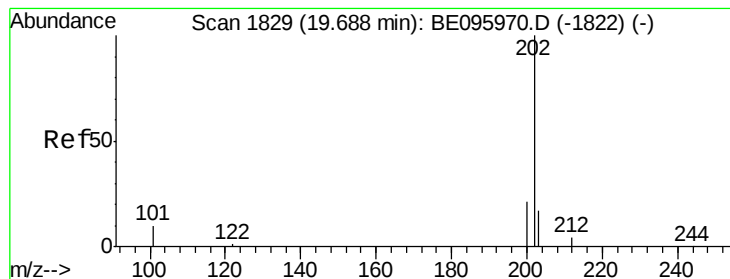
Ion Ratio Lower Upper

212 100

106 3.1 2.8 4.2

104 1.9 1.6 2.4





#26

Fluoranthene

Concen: 0.822 ng

RT: 19.66 min Scan# 1825

Delta R.T. 0.00 min

Lab File: BE096255.D

Acq: 1 May 2018 13:14

Instrument :

BNA_E

ClientSampleId :

SS043MW010-180418

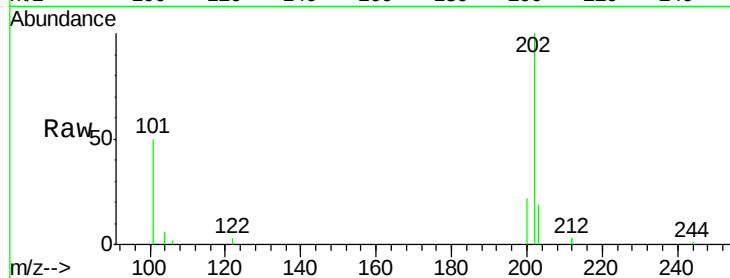
Tgt Ion:202 Resp: 10877

Ion Ratio Lower Upper

202 100

101 58.6 9.8 14.8#

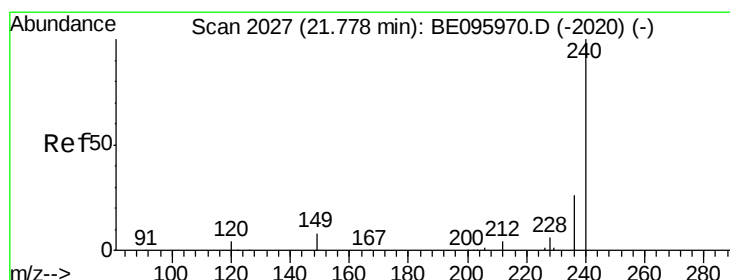
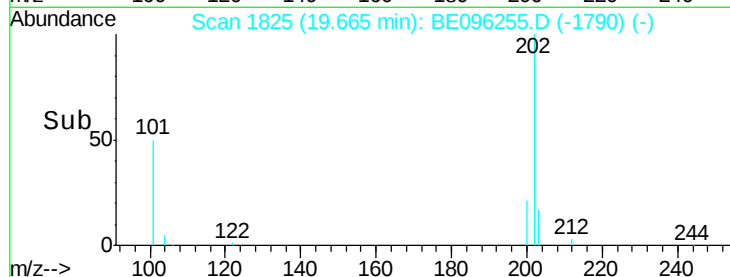
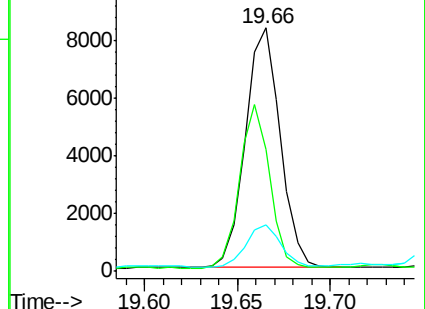
203 17.3 13.7 20.5



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



#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.74 min Scan# 2024

Delta R.T. -0.00 min

Lab File: BE096255.D

Acq: 1 May 2018 13:14

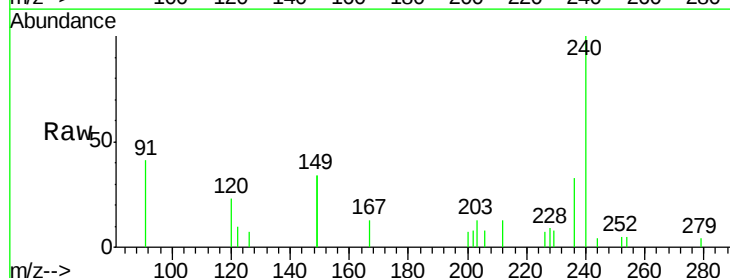
Tgt Ion:240 Resp: 3848

Ion Ratio Lower Upper

240 100

120 22.6 5.5 8.3#

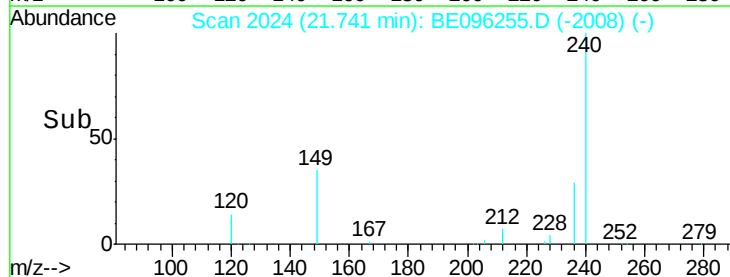
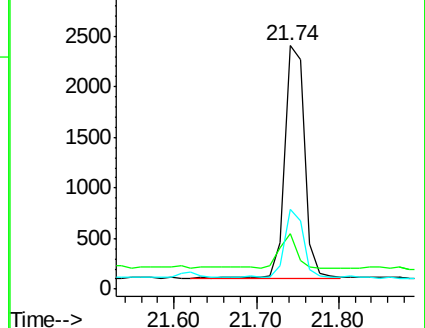
236 32.7 20.7 31.1#

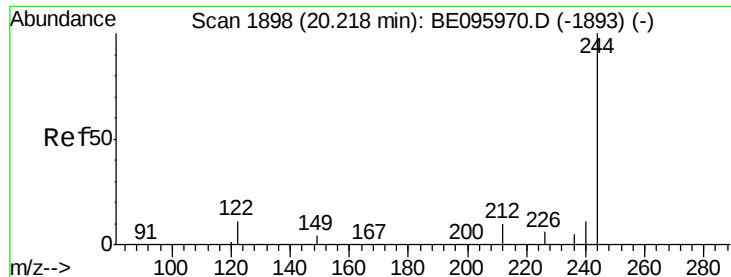


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#29

Terphenyl-d14

Concen: 0.371 ng

RT: 20.19 min Scan# 1896

Delta R.T. -0.00 min

Lab File: BE096255.D

Acq: 1 May 2018 13:14

Instrument :

BNA_E

ClientSampleId :

SS043MW010-180418

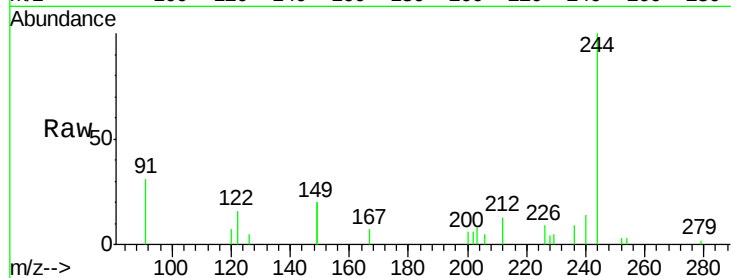
Tgt Ion:244 Resp: 3158

Ion Ratio Lower Upper

244 100

212 13.2 25.4 38.0#

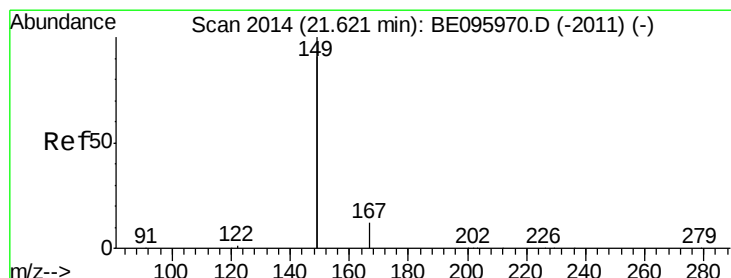
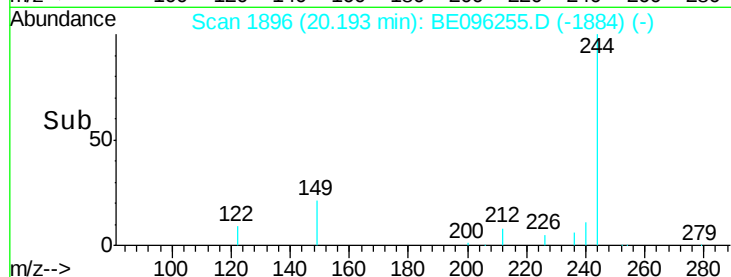
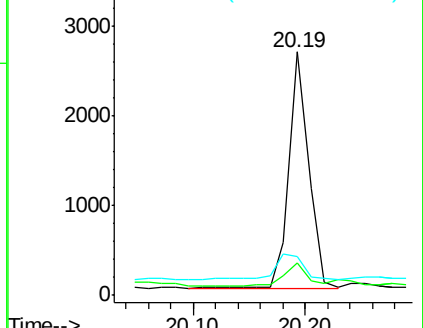
122 15.8 8.1 12.1#



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



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.144 ng

RT: 21.60 min Scan# 2012

Delta R.T. -0.00 min

Lab File: BE096255.D

Acq: 1 May 2018 13:14

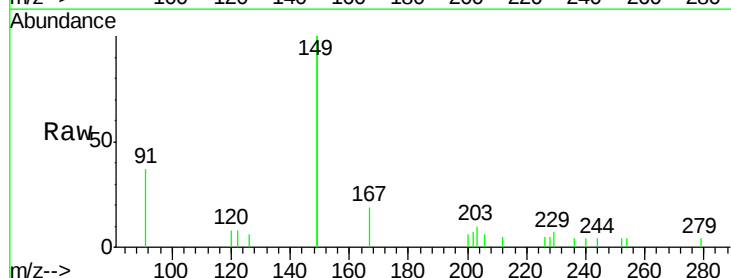
Tgt Ion:149 Resp: 4599

Ion Ratio Lower Upper

149 100

167 7.7 5.4 8.0

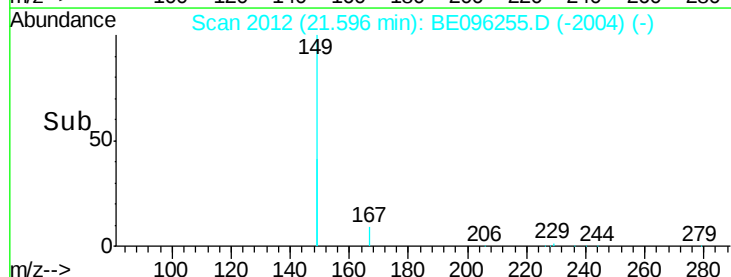
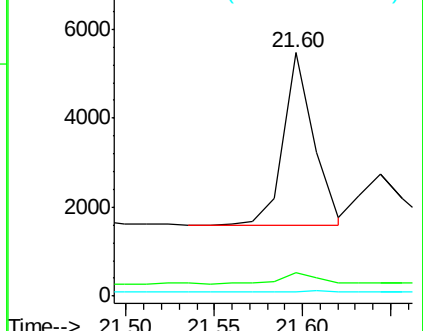
279 0.9 0.7 1.1

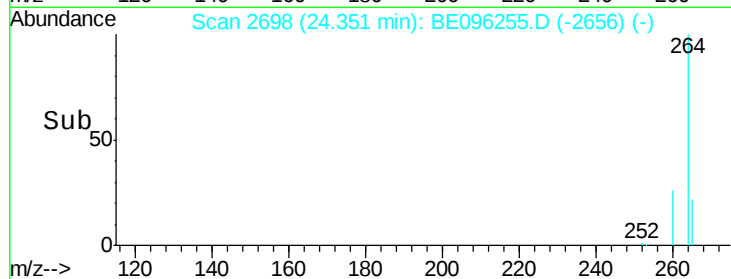
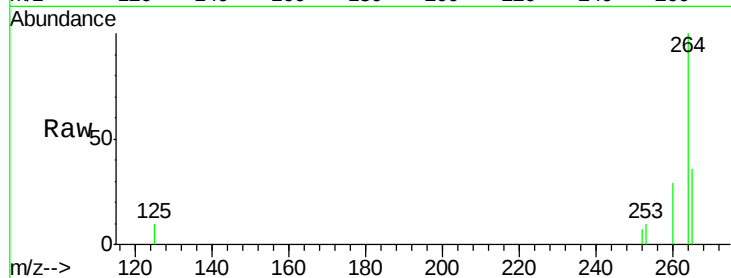
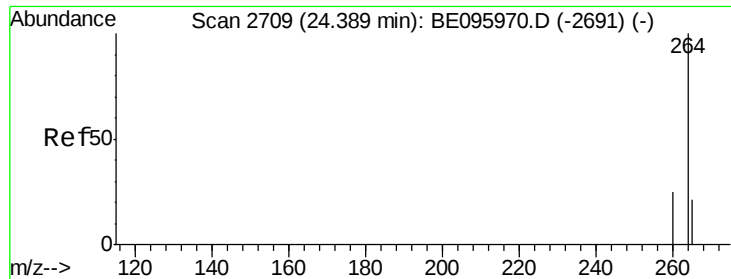


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#34

Perylene-d12

Concen: 0.400 ng

RT: 24.35 min Scan# 2698

Delta R.T. -0.00 min

Lab File: BE096255.D

Acq: 1 May 2018 13:14

Instrument :

BNA_E

ClientSampleId :

SS043MW010-180418

Tgt Ion: 264 Resp: 3649

Ion Ratio Lower Upper

264 100

260 28.8 20.5 30.7

265 36.2 22.8 34.2#

