

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE011819\
 Data File : BE098671.D
 Acq On : 18 Jan 2019 18:53
 Operator : SJ/JU
 Sample : K1136-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 MW-103

Quant Time: Jan 18 21:22:03 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE011519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 15 14:30:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	979	0.40	ng	0.00
7) Naphthalene-d8	10.60	136	4110	0.40	ng	0.00
13) Acenaphthene-d10	14.47	164	3037	0.40	ng	0.00
19) Phenanthrene-d10	17.22	188	6406	0.40	ng	-0.01
27) Chrysene-d12	21.41	240	7596	0.40	ng	0.00
34) Perylene-d12	23.92	264	7353	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.41	112	406	0.16	ng	0.01
5) Phenol-d6	7.00	99	361	0.10	ng	0.00
8) Nitrobenzene-d5	8.98	82	1220	0.37	ng	0.01
11) 2-Methylnaphthalene-d10	12.20	152	2719	0.40	ng	-0.01
14) 2,4,6-Tribromophenol	15.97	330	609	0.46	ng	0.00
15) 2-Fluorobiphenyl	13.09	172	4432	0.36	ng	0.00
25) Fluoranthene-d10	19.25	212	32381	0.41	ng	0.00
29) Terphenyl-d14	19.85	244	7339	0.44	ng	0.00

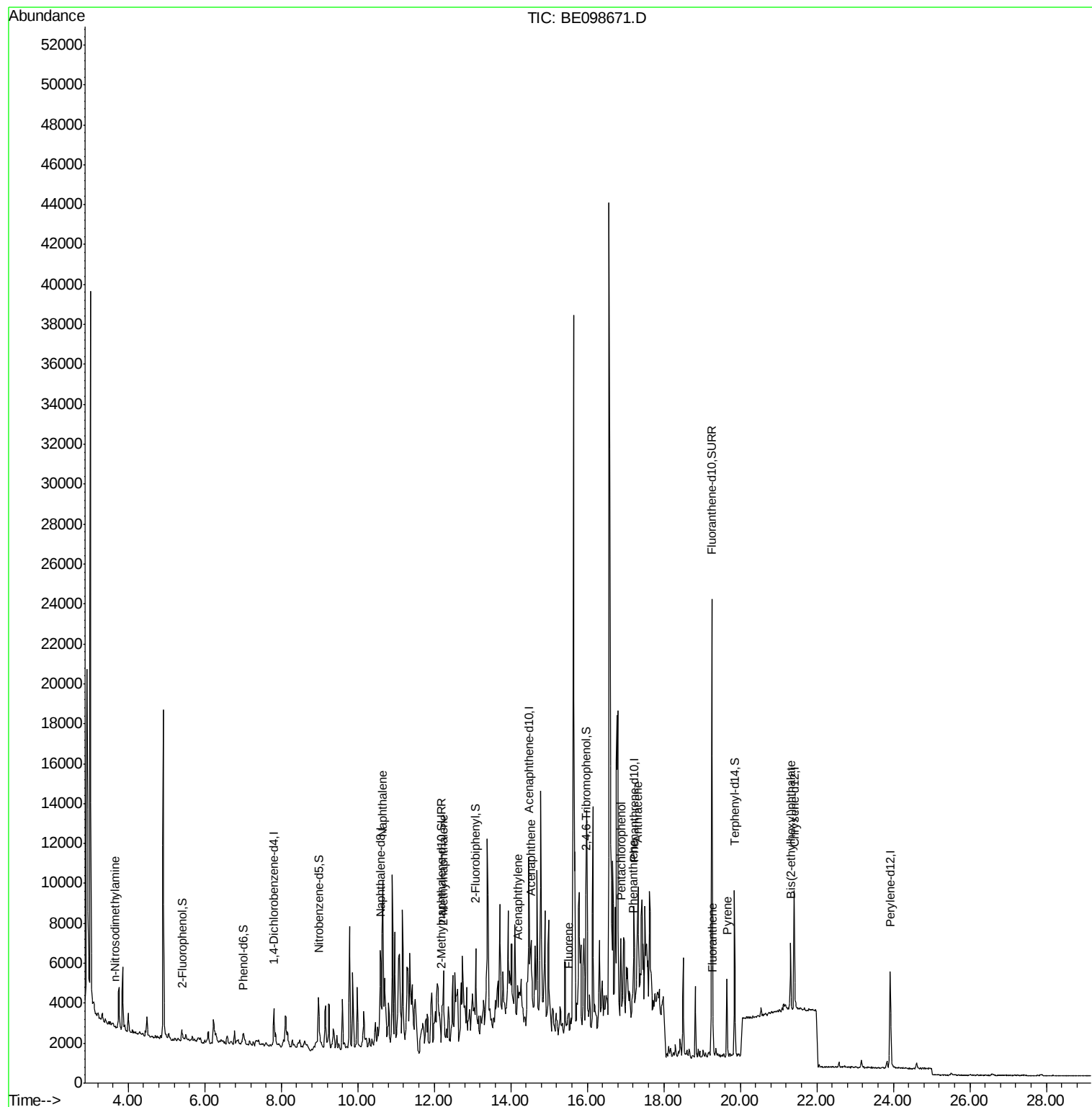
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) n-Nitrosodimethylamine	3.65	42	57	0.155	ng	# 13
9) Naphthalene	10.65	128	10880	0.266	ng	# 63
12) 2-Methylnaphthalene	12.24	142	158	0.023	ng	# 1
16) Acenaphthylene	14.18	152	406	0.031	ng	# 55
17) Acenaphthene	14.53	154	728	0.088	ng	# 72
18) Fluorene	15.52	166	365	0.034	ng	# 8
22) Pentachlorophenol	16.88	266	22	0.217	ng	# 74
23) Phenanthrene	17.20	178	730	0.048	ng	# 1
24) Anthracene	17.32	178	1612	0.124	ng	# 1
26) Fluoranthene	19.29	202	1246	0.064	ng	# 95
28) Pyrene	19.65	202	3683	0.176	ng	# 94
32) Bis(2-ethylhexyl)phthalate	21.32	149	4066	0.094	ng	# 97

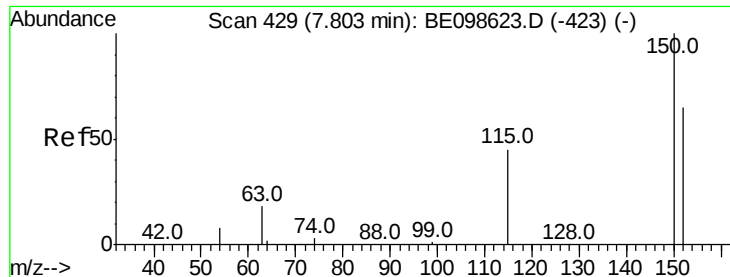
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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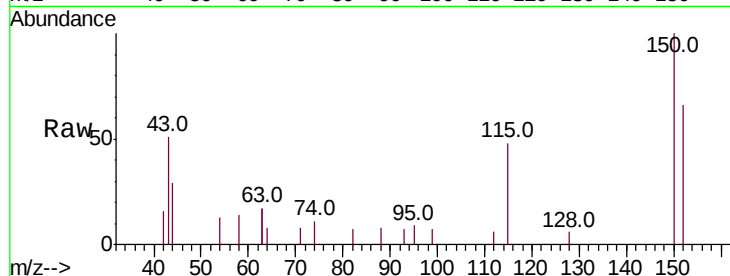


#1

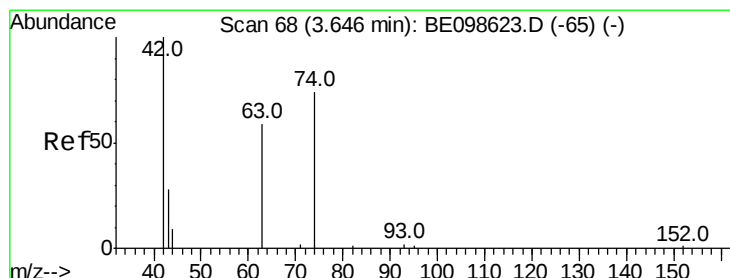
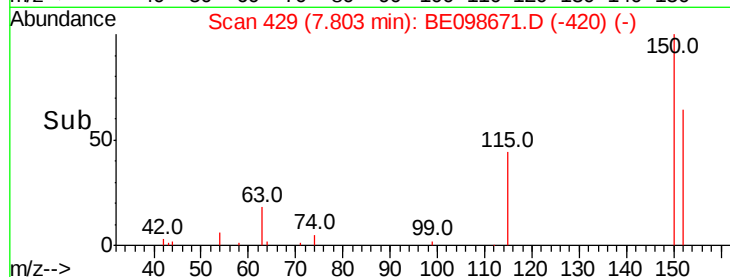
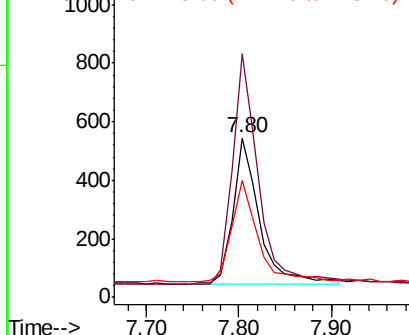
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.80 min Scan# 429
Delta R.T. 0.00 min
Lab File: BE098671.D
Acq: 18 Jan 2019 18:53

Instrument :
BNA_E
ClientSampled :
MW-103

Tot Ion:152 Resp: 979
Ion Ratio Lower Upper
152 100
150 152.4 121.4 182.2
115 73.1 59.1 88.7



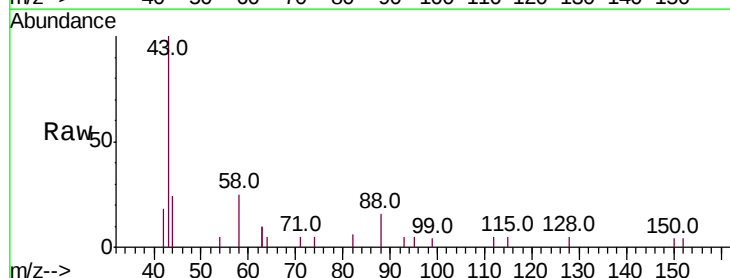
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



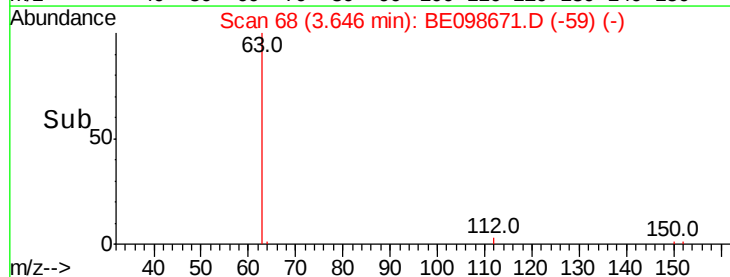
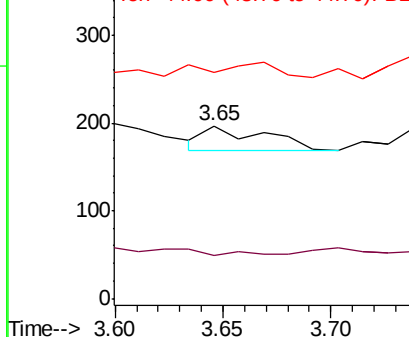
#3

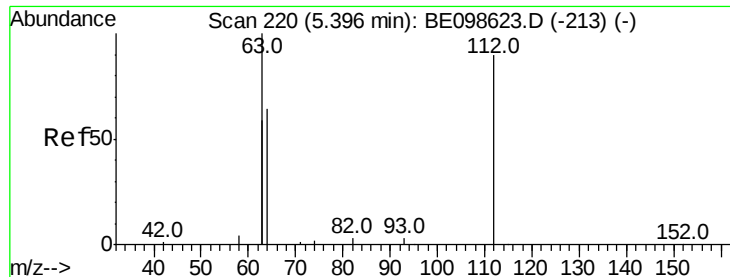
n-Nitrosodimethylamine
Concen: 0.155 ng
RT: 3.65 min Scan# 68
Delta R.T. 0.00 min
Lab File: BE098671.D
Acq: 18 Jan 2019 18:53

Tgt Ion: 42 Resp: 57
Ion Ratio Lower Upper
42 100
74 0.0 58.9 88.3#
44 0.0 0.0 0.0



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: 0.155 ng

RT: 5.41 min Scan# 221

Delta R.T. 0.01 min

Lab File: BE098671.D

Acq: 18 Jan 2019 18:53

Instrument :

BNA_E

ClientSampleId :

MW-103

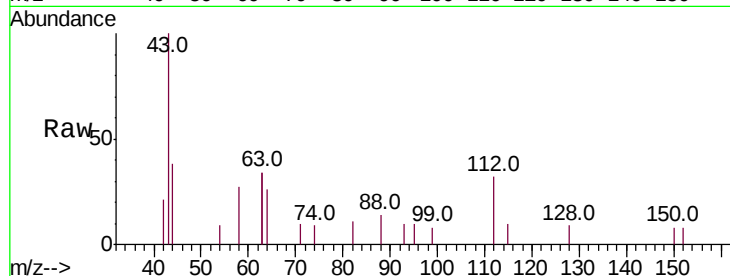
Tot Ion: 112 Resp: 406

Ion Ratio Lower Upper

112 100

64 76.8 62.9 94.3

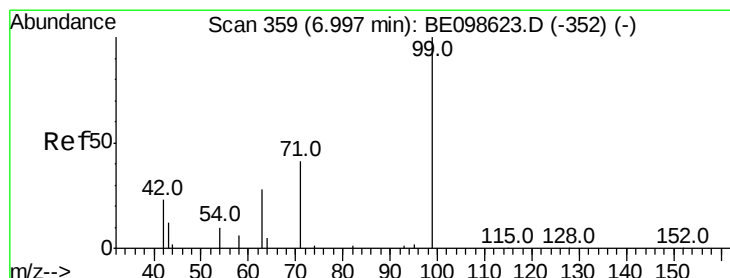
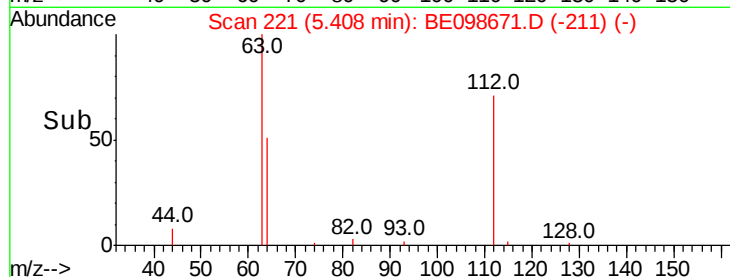
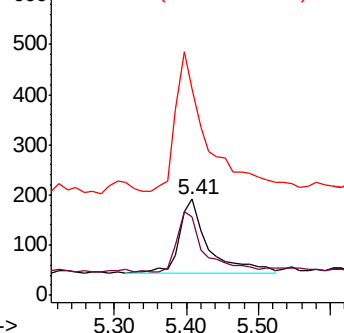
63 210.1 152.2 228.4



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: 0.097 ng

RT: 7.00 min Scan# 359

Delta R.T. 0.00 min

Lab File: BE098671.D

Acq: 18 Jan 2019 18:53

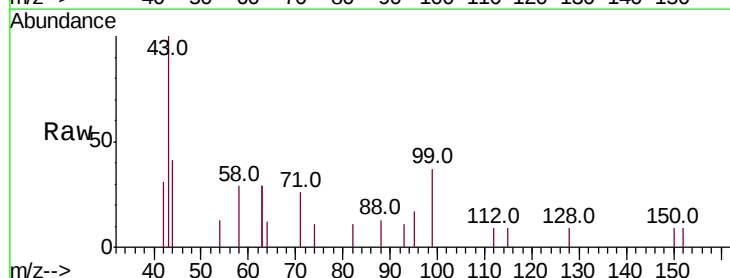
Tgt Ion: 99 Resp: 361

Ion Ratio Lower Upper

99 100

42 68.4 24.6 37.0#

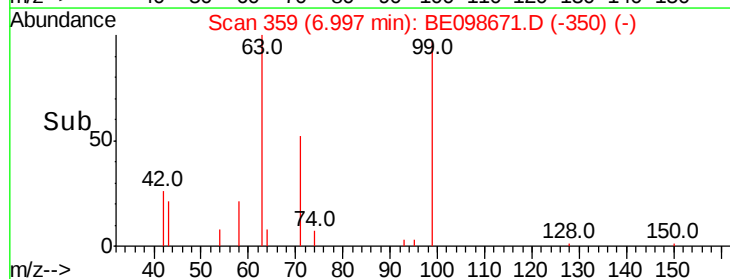
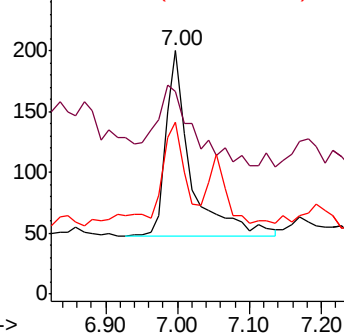
71 39.9 35.1 52.7

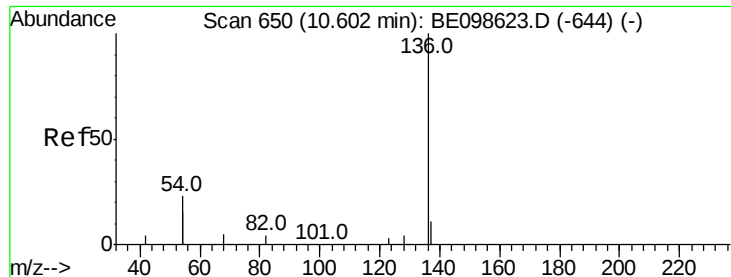


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.60 min Scan# 649

Delta R.T. -0.00 min

Lab File: BE098671.D

Acq: 18 Jan 2019 18:53

Instrument :

BNA_E

ClientSampleId :

MW-103

Tot Ion:136 Resp: 4110

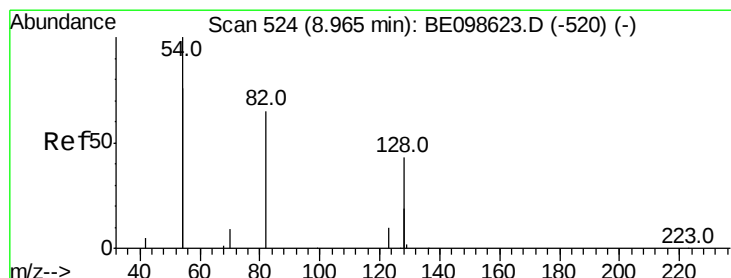
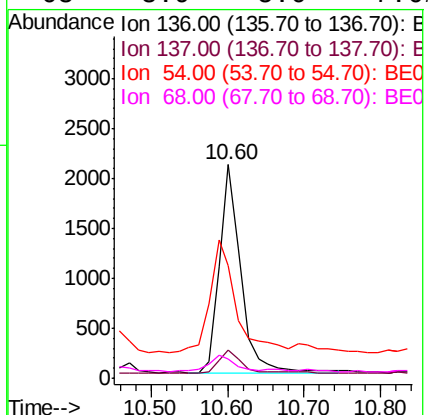
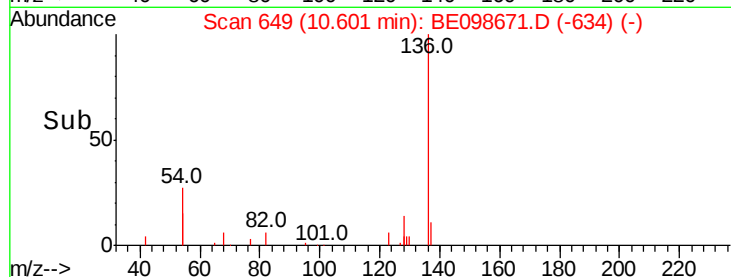
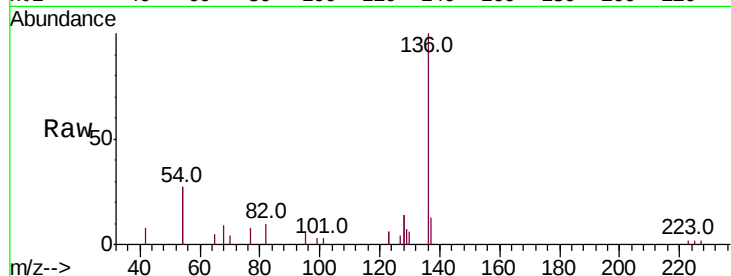
Ion Ratio Lower Upper

136 100

137 12.9 9.7 14.5

54 53.0 35.5 53.3

68 8.9 5.0 7.6#



#8

Nitrobenzene-d5

Concen: 0.374 ng

RT: 8.98 min Scan# 524

Delta R.T. 0.01 min

Lab File: BE098671.D

Acq: 18 Jan 2019 18:53

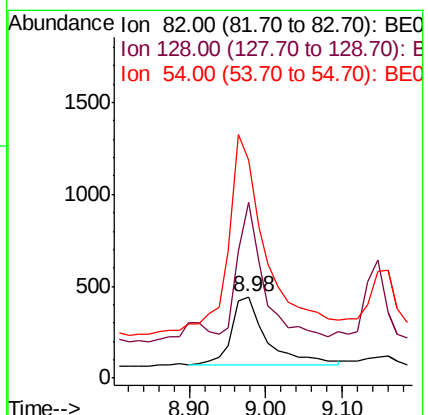
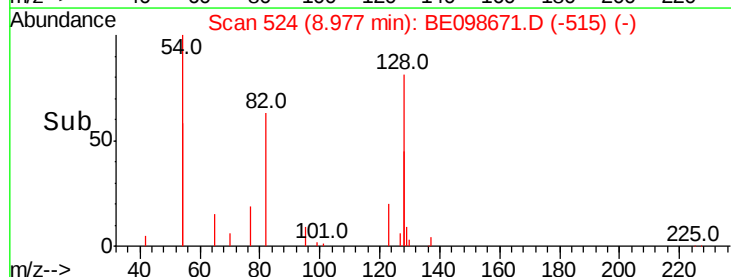
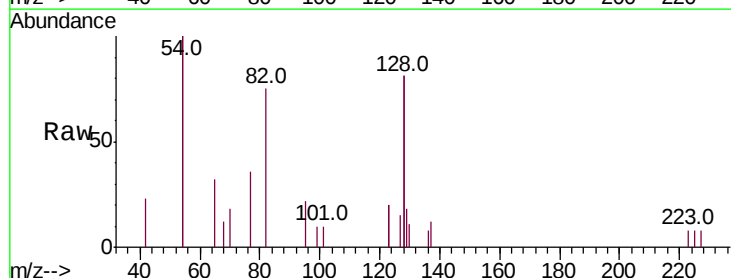
Tgt Ion: 82 Resp: 1220

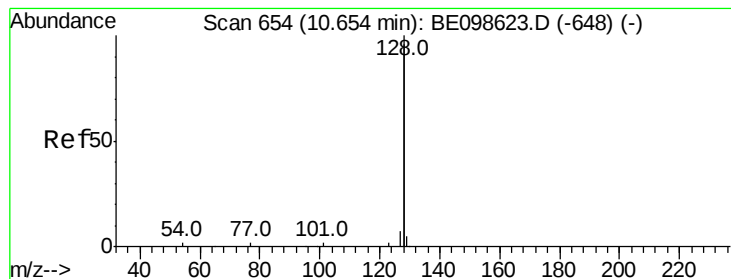
Ion Ratio Lower Upper

82 100

128 216.2 96.5 144.7#

54 266.7 224.7 337.1





#9

Naphthalene

Concen: 0.266 ng

RT: 10.65 min Scan# 653

Delta R.T. -0.00 min

Lab File: BE098671.D

Acq: 18 Jan 2019 18:53

Instrument :

BNA_E

ClientSampleId :

MW-103

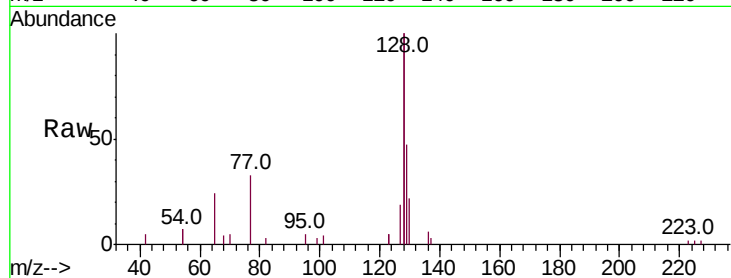
Tot Ion:128 Resp: 10880

Ion Ratio Lower Upper

128 100

129 23.4 2.6 3.8#

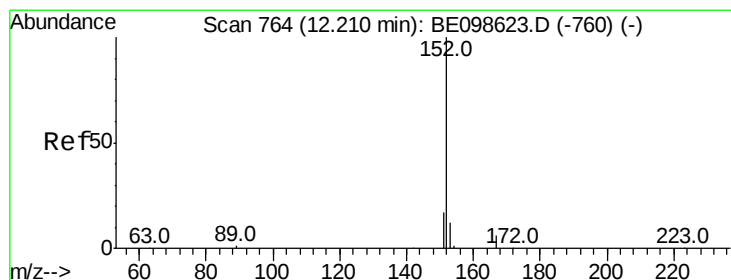
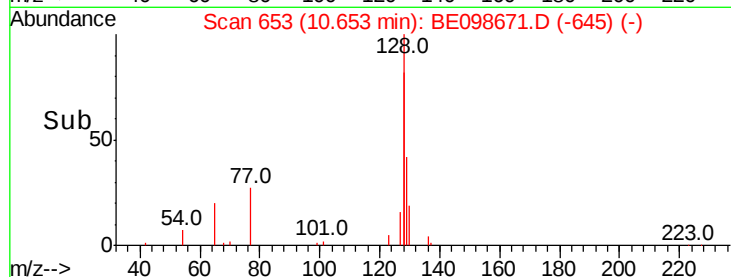
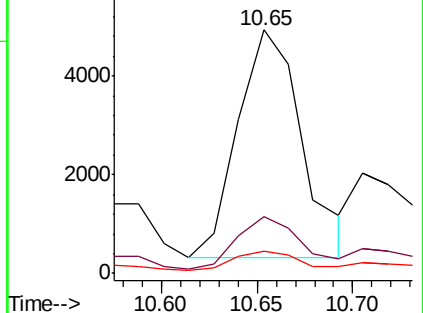
127 9.3 3.0 4.6#



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: 0.402 ng

RT: 12.20 min Scan# 762

Delta R.T. -0.01 min

Lab File: BE098671.D

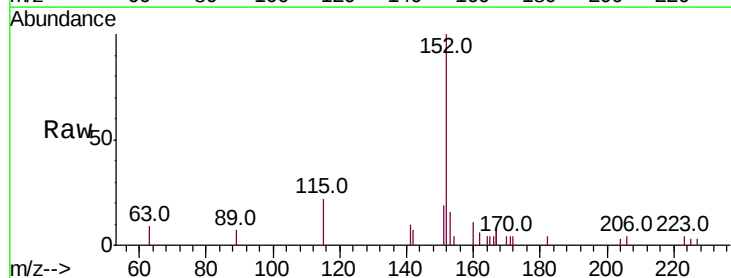
Acq: 18 Jan 2019 18:53

Tgt Ion:152 Resp: 2719

Ion Ratio Lower Upper

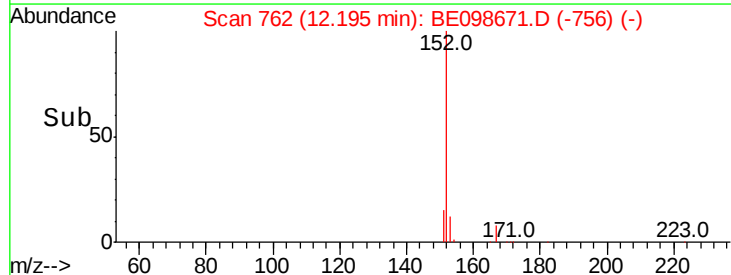
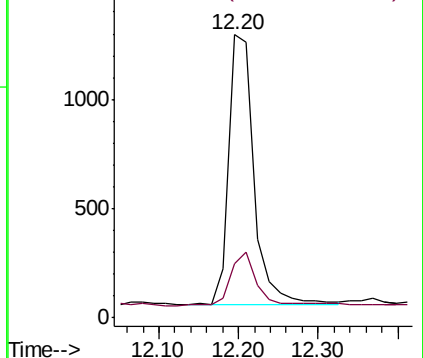
152 100

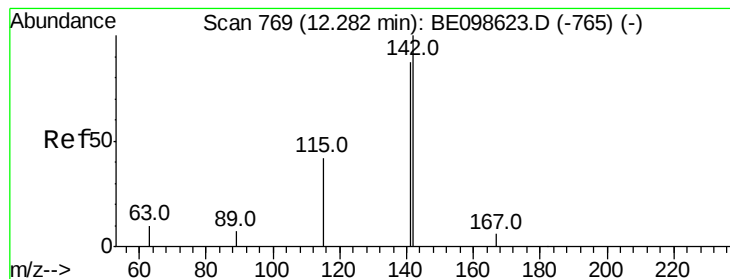
151 19.3 16.2 24.4



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E





#12

2-Methylnaphthalene

Concen: 0.023 ng

RT: 12.24 min Scan# 765

Delta R.T. -0.04 min

Lab File: BE098671.D

Acq: 18 Jan 2019 18:53

Instrument :

BNA_E

ClientSampleId :

MW-103

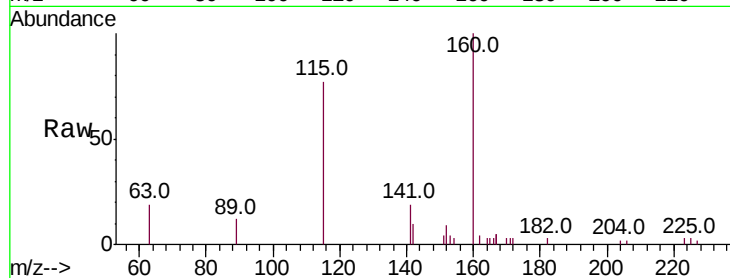
Tot Ion:142 Resp: 158

Ion Ratio Lower Upper

142 100

141 191.3 70.0 105.0#

115 784.2 35.2 52.8#

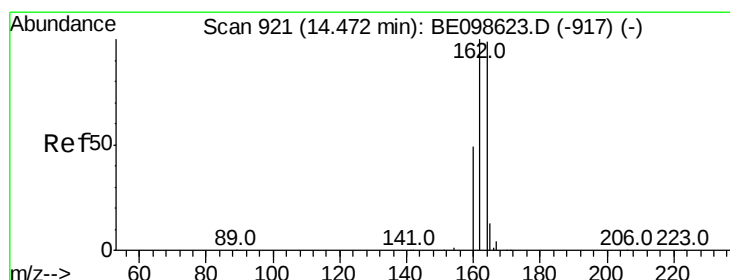
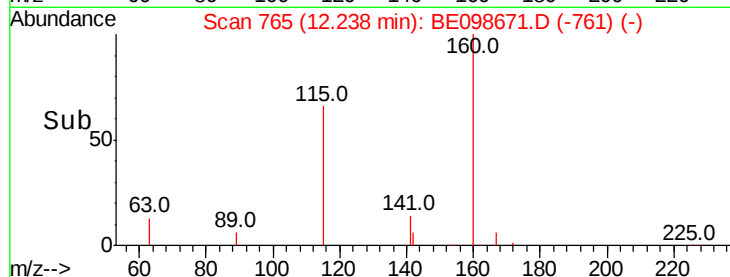
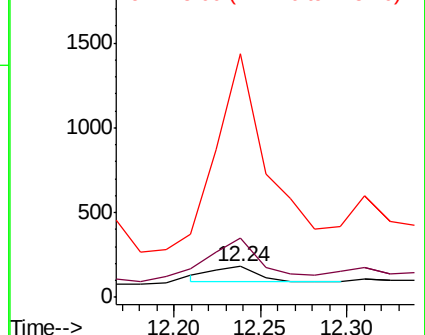


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.47 min Scan# 920

Delta R.T. -0.00 min

Lab File: BE098671.D

Acq: 18 Jan 2019 18:53

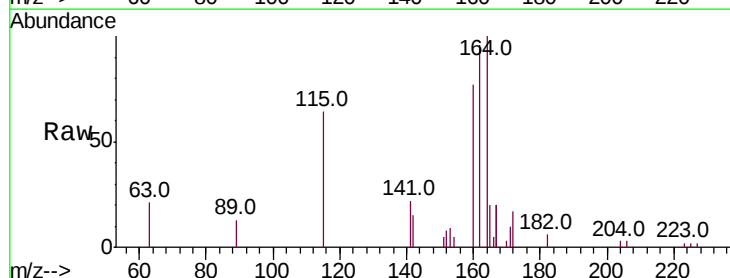
Tgt Ion:164 Resp: 3037

Ion Ratio Lower Upper

164 100

162 96.3 80.5 120.7

160 77.0 40.1 60.1#

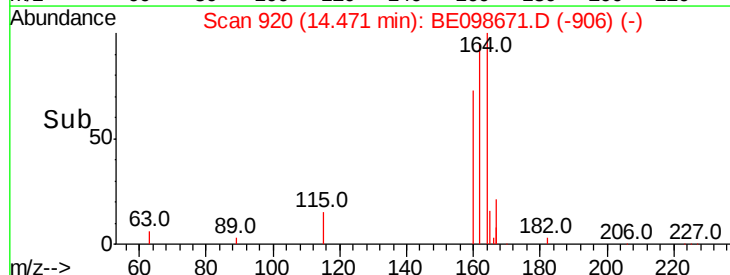
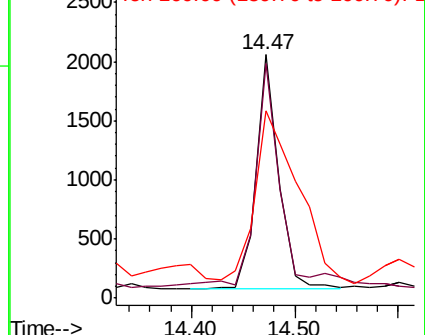


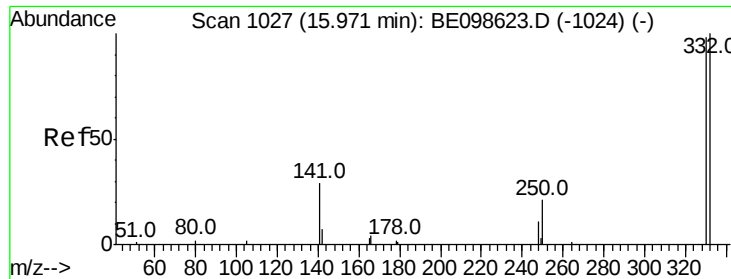
Abundance

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

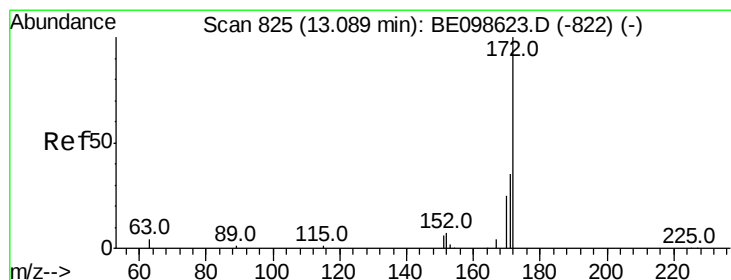
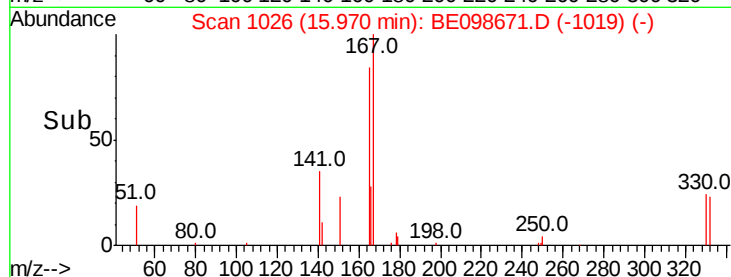
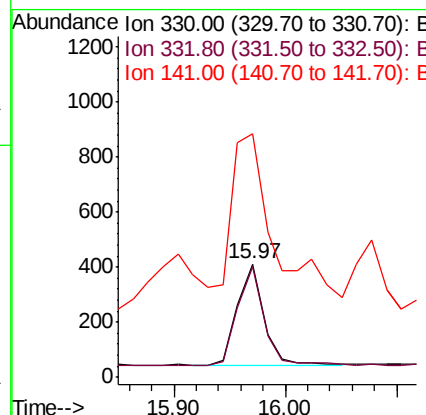
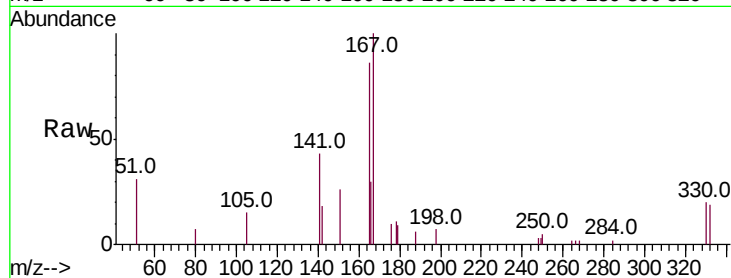




#14
 2,4,6-Tribromophenol
 Concen: 0.461 ng
 RT: 15.97 min Scan# 1026
 Delta R.T. -0.00 min
 Lab File: BE098671.D
 Acq: 18 Jan 2019 18:53

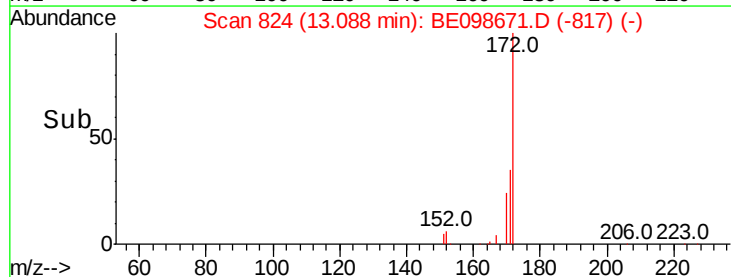
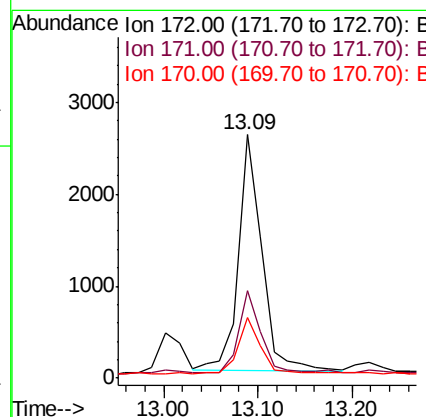
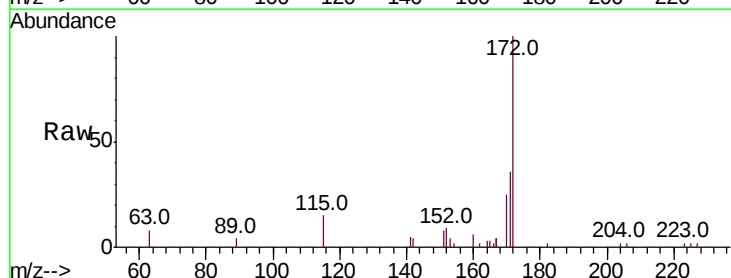
Instrument :
 BNA_E
 ClientSampled :
 MW-103

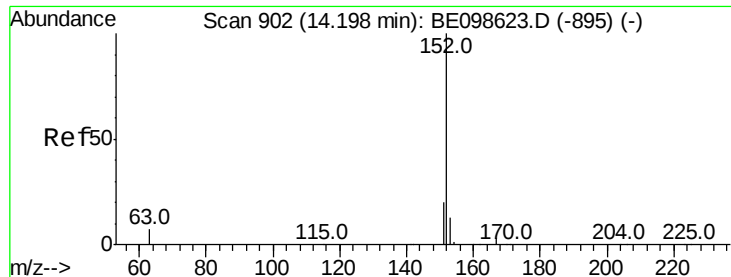
Tot Ion:330 Resp: 609
 Ion Ratio Lower Upper
 330 100
 332 98.2 73.3 109.9
 141 242.9 33.1 49.7#



#15
 2-Fluorobiphenyl
 Concen: 0.356 ng
 RT: 13.09 min Scan# 824
 Delta R.T. -0.00 min
 Lab File: BE098671.D
 Acq: 18 Jan 2019 18:53

Tgt Ion:172 Resp: 4432
 Ion Ratio Lower Upper
 172 100
 171 36.0 29.0 43.4
 170 24.6 20.8 31.2





#16

Acenaphthylene

Concen: 0.031 ng

RT: 14.18 min Scan# 900

Delta R.T. -0.01 min

Lab File: BE098671.D

Acq: 18 Jan 2019 18:53

Instrument :

BNA_E

ClientSampled :

MW-103

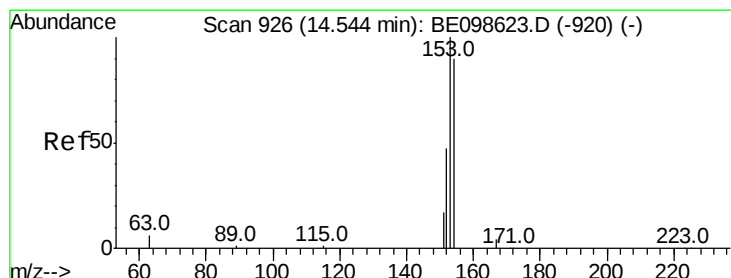
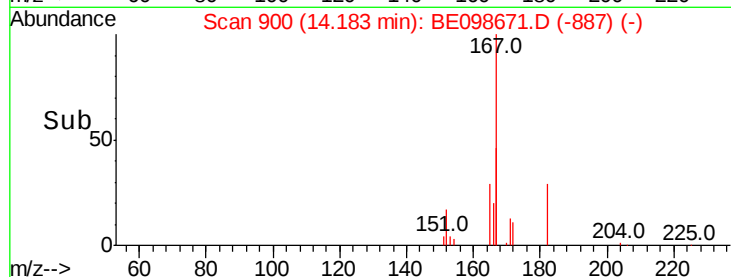
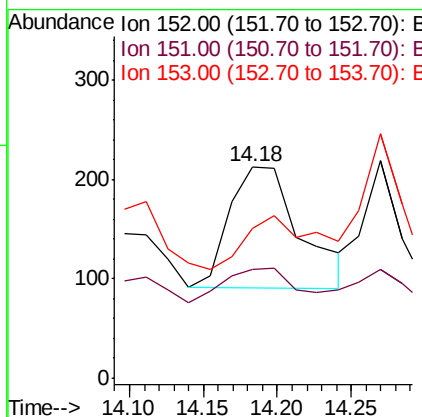
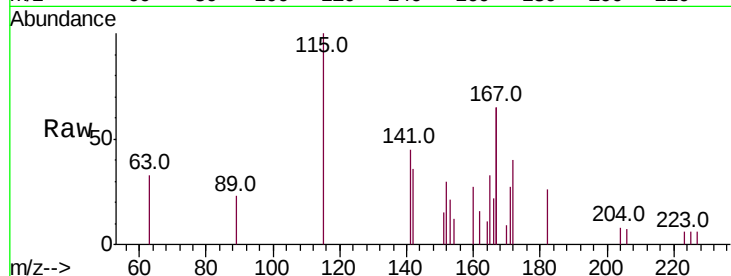
Tot Ion:152 Resp: 406

Ion Ratio Lower Upper

152 100

151 28.6 16.3 24.5#

153 47.8 10.7 16.1#



#17

Acenaphthene

Concen: 0.088 ng

RT: 14.53 min Scan# 924

Delta R.T. -0.01 min

Lab File: BE098671.D

Acq: 18 Jan 2019 18:53

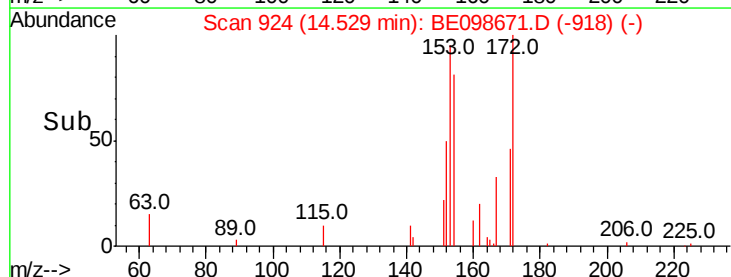
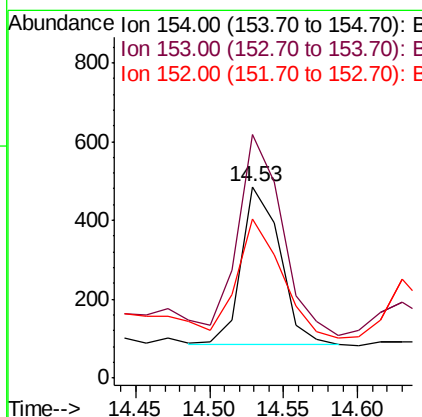
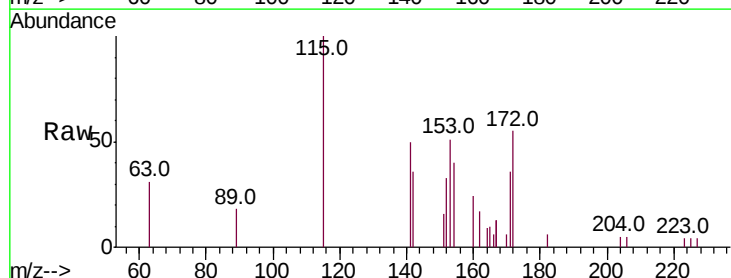
Tgt Ion:154 Resp: 728

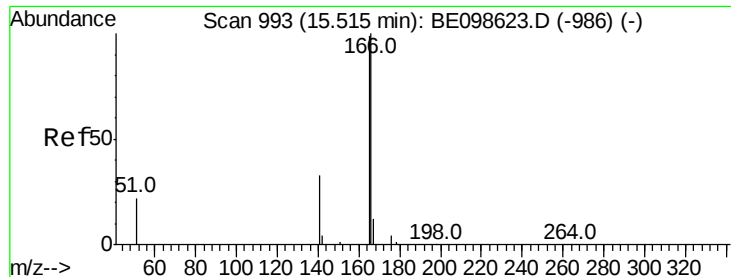
Ion Ratio Lower Upper

154 100

153 142.4 93.9 140.9#

152 85.4 45.8 68.8#





#18

Fluorene

Concen: 0.034 ng

RT: 15.52 min Scan# 992

Delta R.T. -0.00 min

Lab File: BE098671.D

Acq: 18 Jan 2019 18:53

Instrument :

BNA_E

ClientSampleId :

MW-103

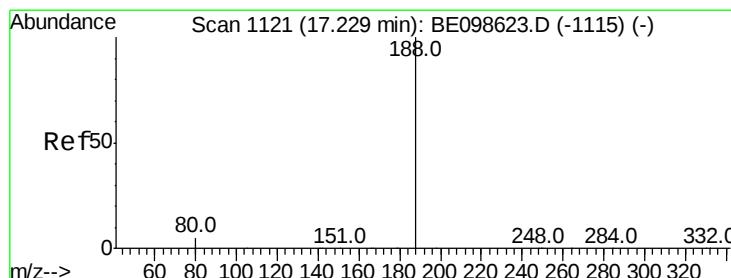
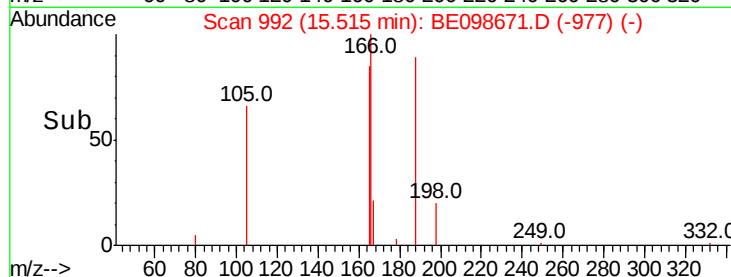
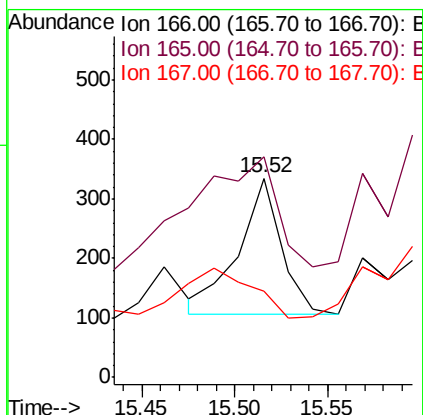
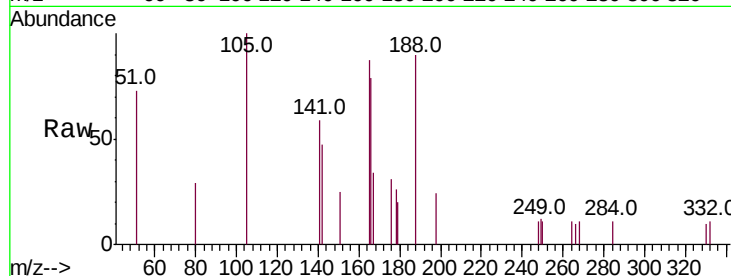
Tot Ion:166 Resp: 365

Ion Ratio Lower Upper

166 100

165 0.0 79.3 118.9#

167 0.0 10.6 15.8#



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.22 min Scan# 1119

Delta R.T. -0.01 min

Lab File: BE098671.D

Acq: 18 Jan 2019 18:53

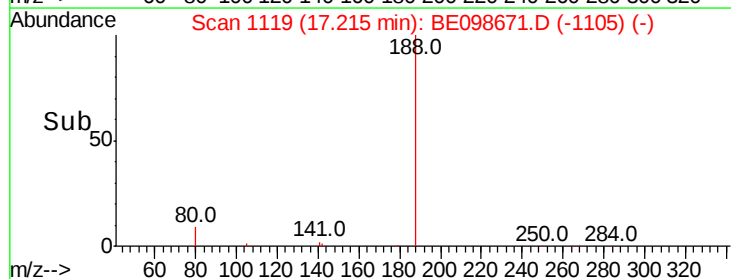
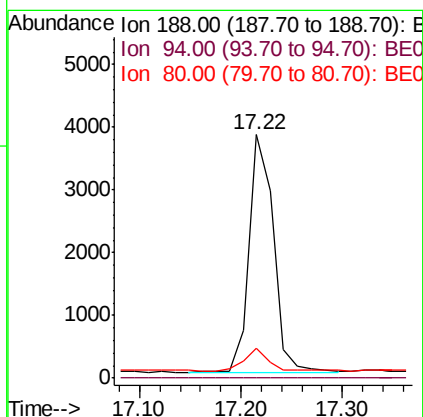
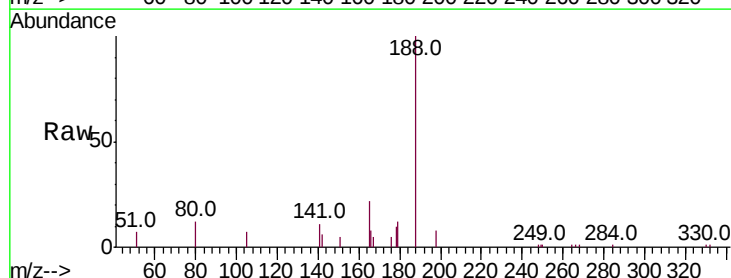
Tgt Ion:188 Resp: 6406

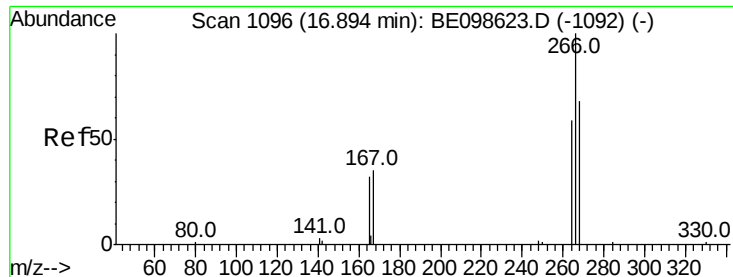
Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 12.0 4.7 7.1#





#22

Pentachlorophenol

Concen: 0.217 ng

RT: 16.88 min Scan# 1094

Delta R.T. -0.01 min

Lab File: BE098671.D

Acq: 18 Jan 2019 18:53

Instrument :

BNA_E

ClientSampleId :

MW-103

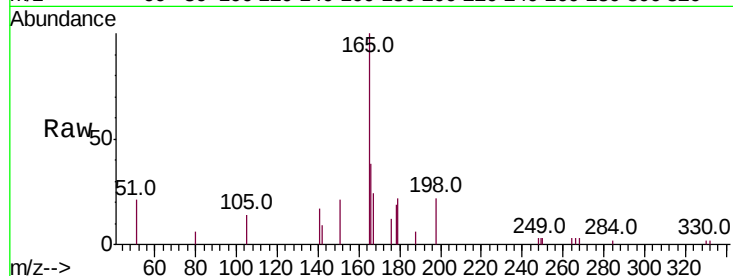
Tot Ion:266 Resp: 22

Ion Ratio Lower Upper

266 100

264 89.8 53.7 80.5#

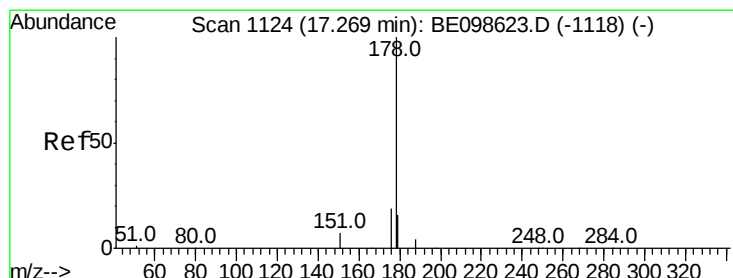
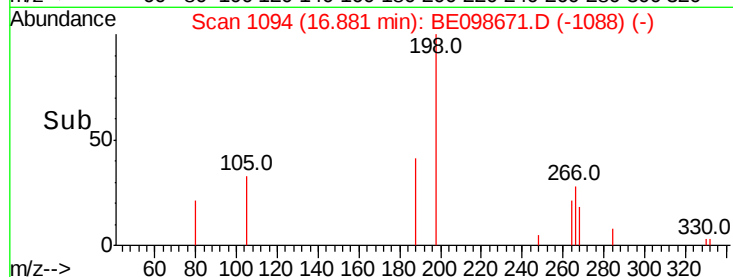
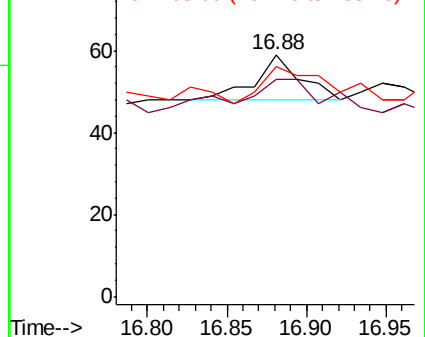
268 94.9 59.8 89.8#



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: 0.048 ng

RT: 17.20 min Scan# 1118

Delta R.T. -0.07 min

Lab File: BE098671.D

Acq: 18 Jan 2019 18:53

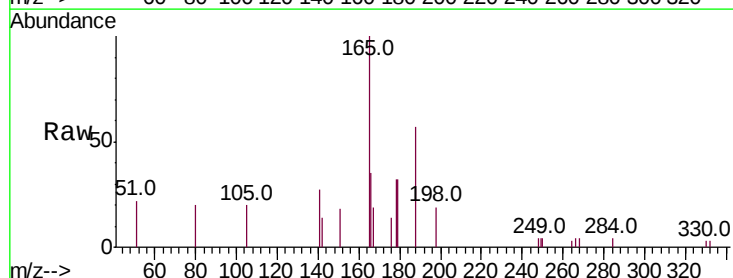
Tgt Ion:178 Resp: 730

Ion Ratio Lower Upper

178 100

176 33.6 15.9 23.9#

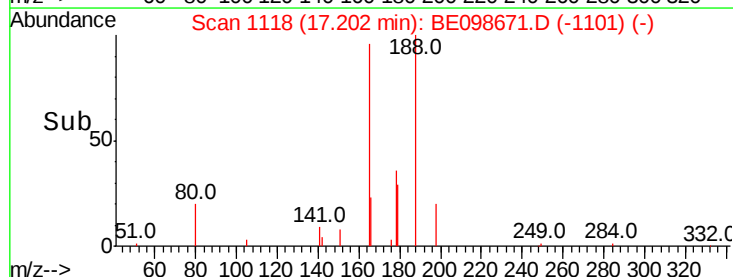
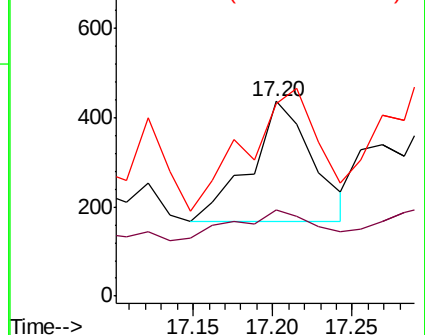
179 118.9 12.2 18.4#

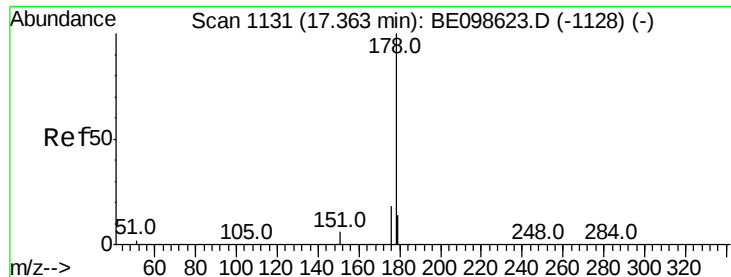


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#24

Anthracene

Concen: 0.124 ng

RT: 17.32 min Scan# 1127

Delta R.T. -0.04 min

Lab File: BE098671.D

Acq: 18 Jan 2019 18:53

Instrument :

BNA_E

ClientSampled :

MW-103

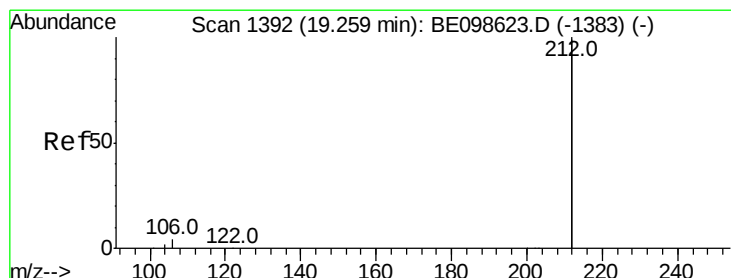
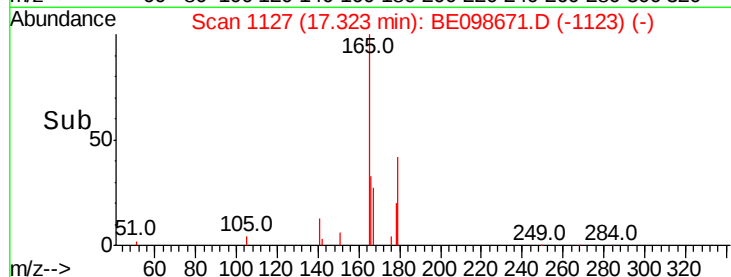
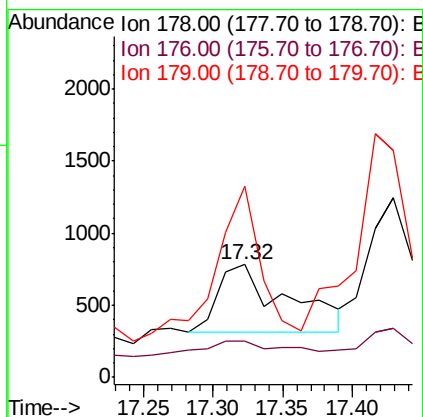
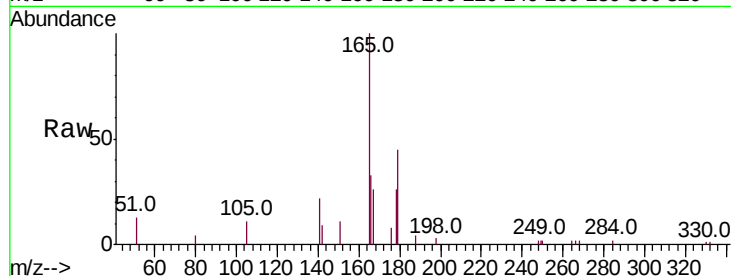
Tot Ion:178 Resp: 1612

Ion Ratio Lower Upper

178 100

176 10.3 14.9 22.3#

179 115.7 11.8 17.8#



#25

Fluoranthene-d10

Concen: 0.408 ng

RT: 19.25 min Scan# 1390

Delta R.T. -0.01 min

Lab File: BE098671.D

Acq: 18 Jan 2019 18:53

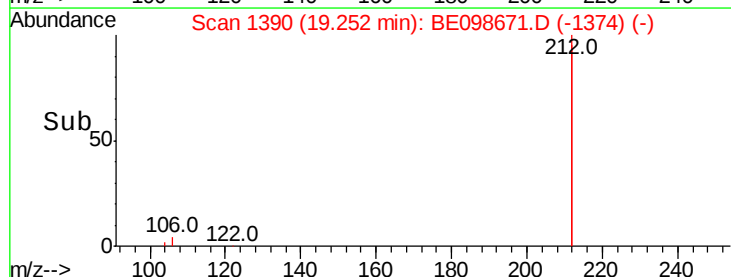
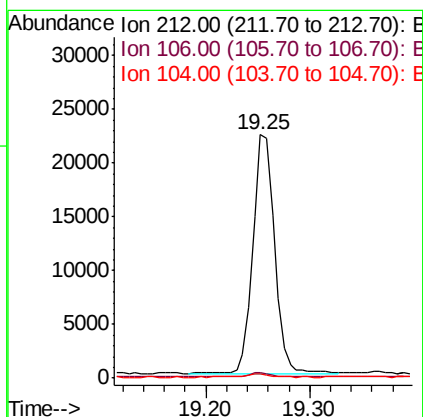
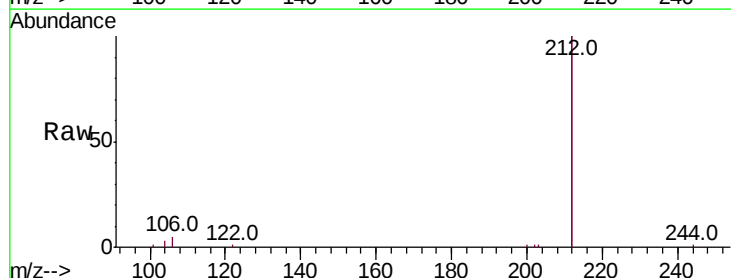
Tgt Ion:212 Resp: 32381

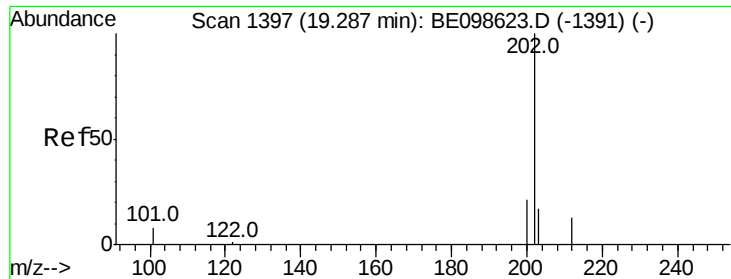
Ion Ratio Lower Upper

212 100

106 1.9 1.7 2.5

104 1.3 1.0 1.6

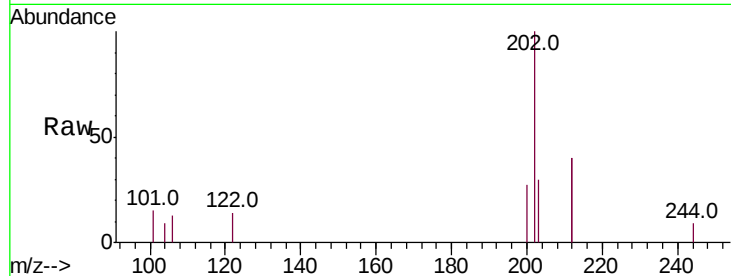




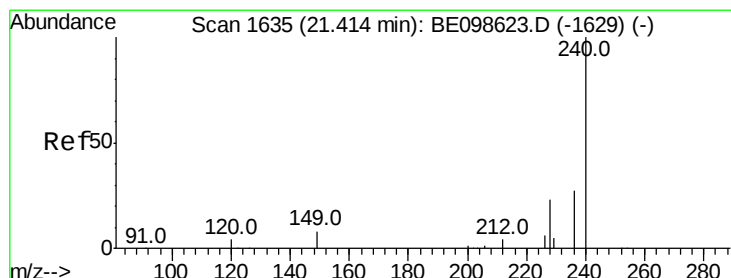
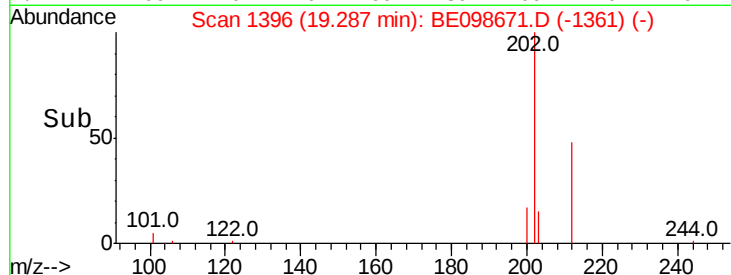
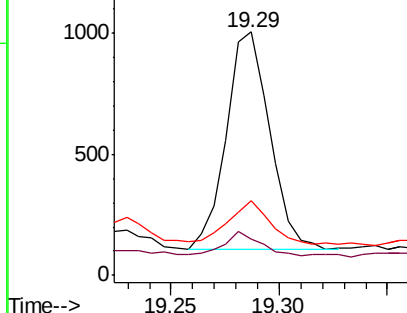
#26
Fluoranthene
Concen: 0.064 ng
RT: 19.29 min Scan# 1396
Delta R.T. -0.00 min
Lab File: BE098671.D
Acq: 18 Jan 2019 18:53

Instrument :
BNA_E
ClientSampleId :
MW-103

Tot Ion:202 Resp: 1246
Ion Ratio Lower Upper
202 100
101 9.0 6.7 10.1
203 19.6 13.3 19.9

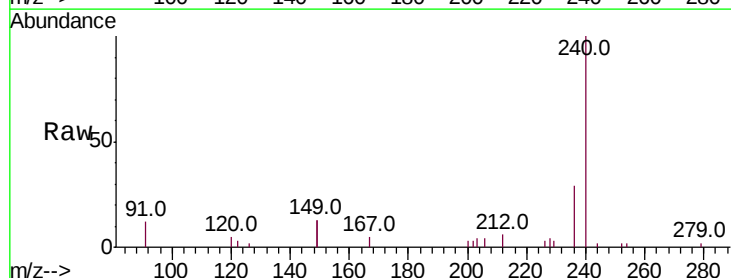


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

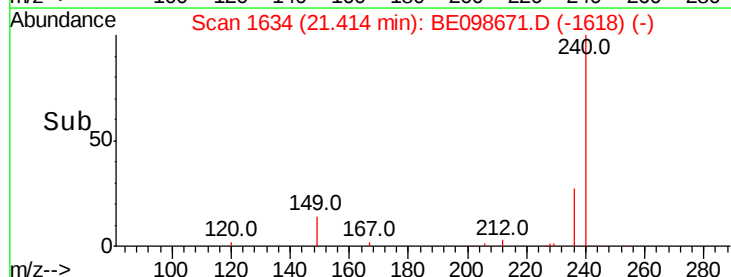
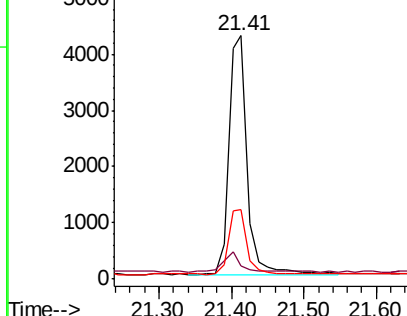


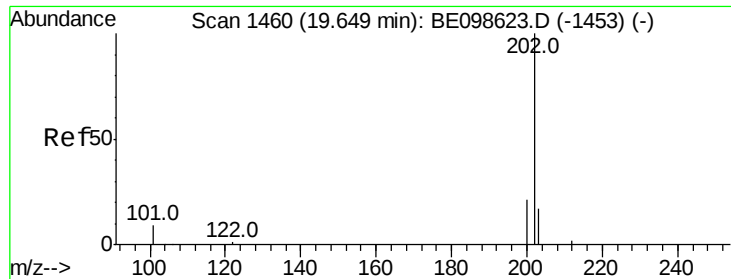
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.41 min Scan# 1634
Delta R.T. -0.00 min
Lab File: BE098671.D
Acq: 18 Jan 2019 18:53

Tgt Ion:240 Resp: 7596
Ion Ratio Lower Upper
240 100
120 5.3 4.7 7.1
236 28.7 21.9 32.9



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

Pvrene

Concen: 0.176 ng

RT: 19.65 min Scan# 1459

Delta R.T. -0.00 min

Lab File: BE098671.D

Acq: 18 Jan 2019 18:53

Instrument :

BNA_E

ClientSampleId :

MW-103

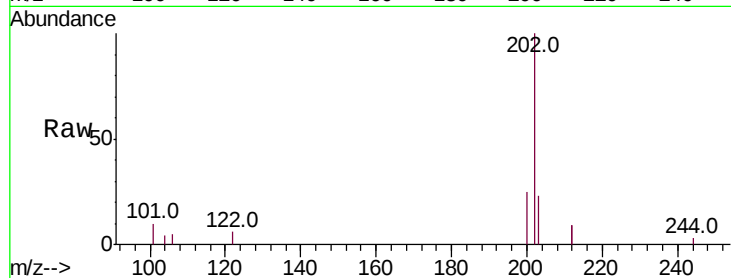
Tot Ion:202 Resp: 3683

Ion Ratio Lower Upper

202 100

200 21.0 17.0 25.6

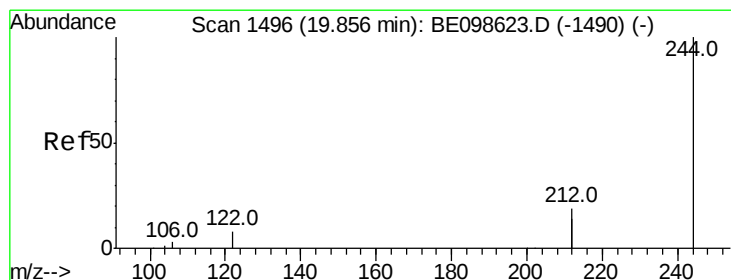
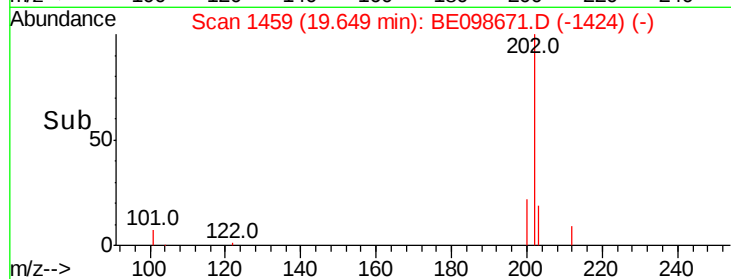
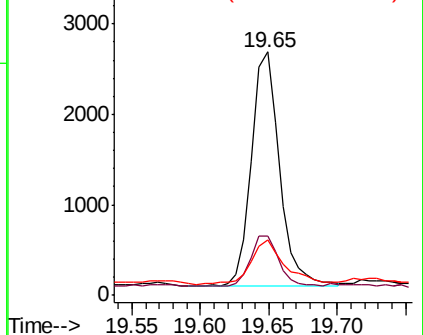
203 22.6 13.8 20.8#



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: 0.437 ng

RT: 19.85 min Scan# 1494

Delta R.T. -0.01 min

Lab File: BE098671.D

Acq: 18 Jan 2019 18:53

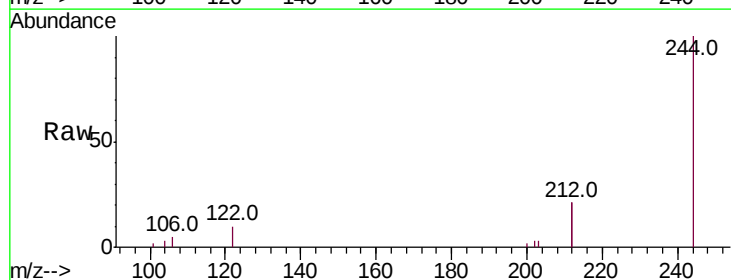
Tgt Ion:244 Resp: 7339

Ion Ratio Lower Upper

244 100

212 42.6 29.4 44.2

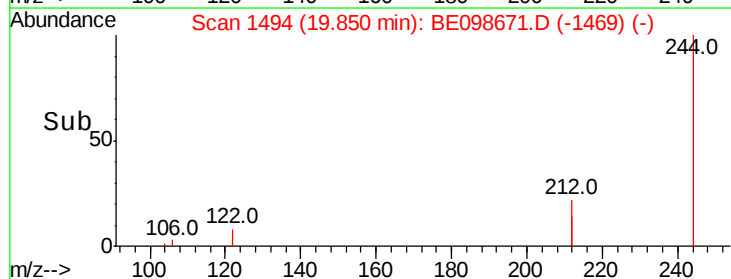
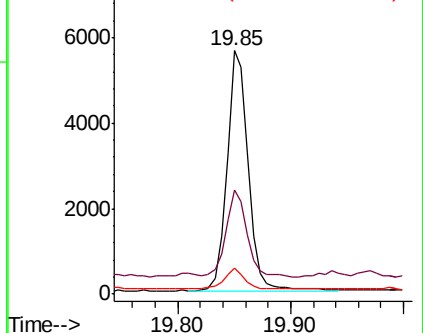
122 10.4 7.1 10.7

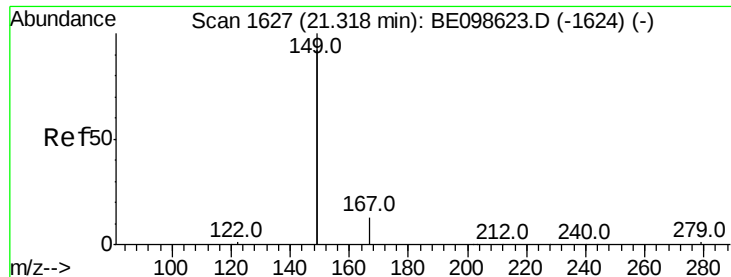


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.094 ng

RT: 21.32 min Scan# 1626

Delta R.T. -0.00 min

Lab File: BE098671.D

Acq: 18 Jan 2019 18:53

Instrument :

BNA_E

ClientSampleId :

MW-103

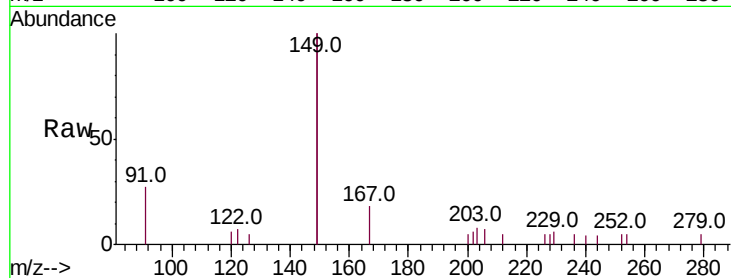
Tot Ion:149 Resp: 4066

Ion Ratio Lower Upper

149 100

167 8.1 5.4 8.2

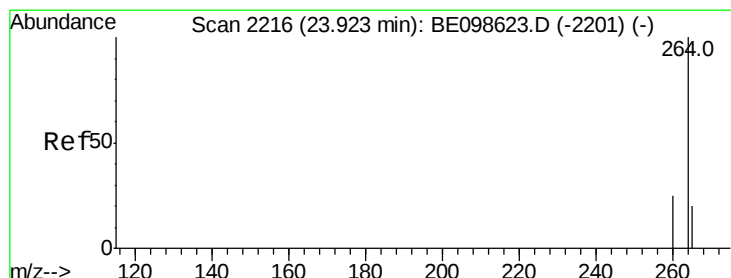
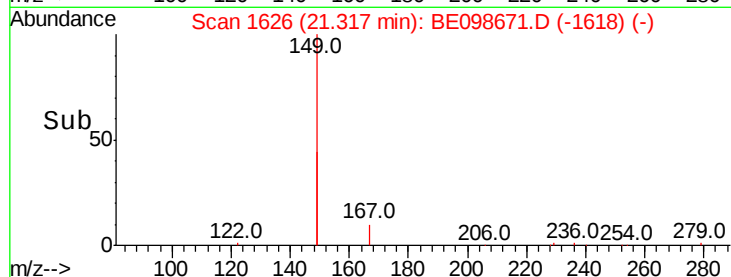
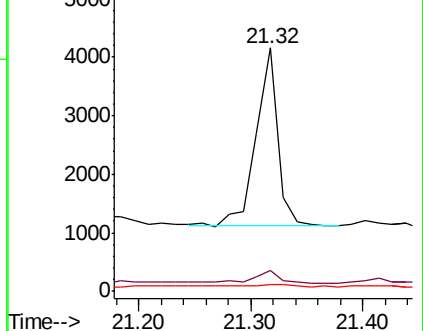
279 1.6 1.0 1.4#



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



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.92 min Scan# 2213

Delta R.T. -0.01 min

Lab File: BE098671.D

Acq: 18 Jan 2019 18:53

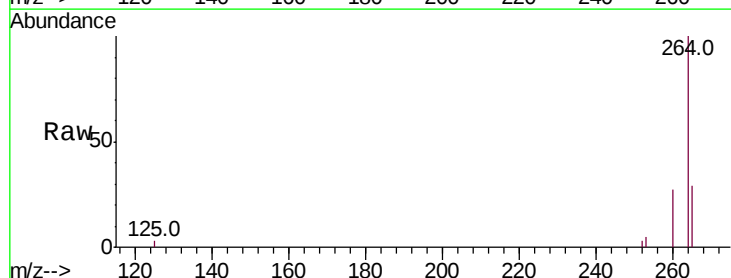
Tgt Ion:264 Resp: 7353

Ion Ratio Lower Upper

264 100

260 27.3 20.5 30.7

265 28.6 22.3 33.5



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

