

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE081018\
 Data File : BE097258.D
 Acq On : 10 Aug 2018 12:12
 Operator : SJ/JU
 Sample : J4379-12
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 MW-103S

Quant Time: Aug 10 16:29:08 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE072418.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 31 10:49:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.39	152	1097	0.40	ng	0.00
7) Naphthalene-d8	10.15	136	5739	0.40	ng	0.00
13) Acenaphthene-d10	14.01	164	3628	0.40	ng	0.00
19) Phenanthrene-d10	16.77	188	9101	0.40	ng	0.00
27) Chrysene-d12	20.98	240	9879	0.40	ng	0.00
34) Perylene-d12	23.22	264	9351	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.05	112	659	0.21	ng	0.00
5) Phenol-d6	6.59	99	529	0.12	ng	0.00
8) Nitrobenzene-d5	8.52	82	2012	0.40	ng	0.00
11) 2-Methylnaphthalene-d10	11.72	152	3503	0.41	ng	0.00
14) 2,4,6-Tribromophenol	15.52	330	705	0.59	ng	0.00
15) 2-Fluorobiphenyl	12.63	172	5833	0.47	ng	0.00
25) Fluoranthene-d10	18.81	212	40705	0.45	ng	0.00
29) Terphenyl-d14	19.43	244	7571	0.40	ng	0.00

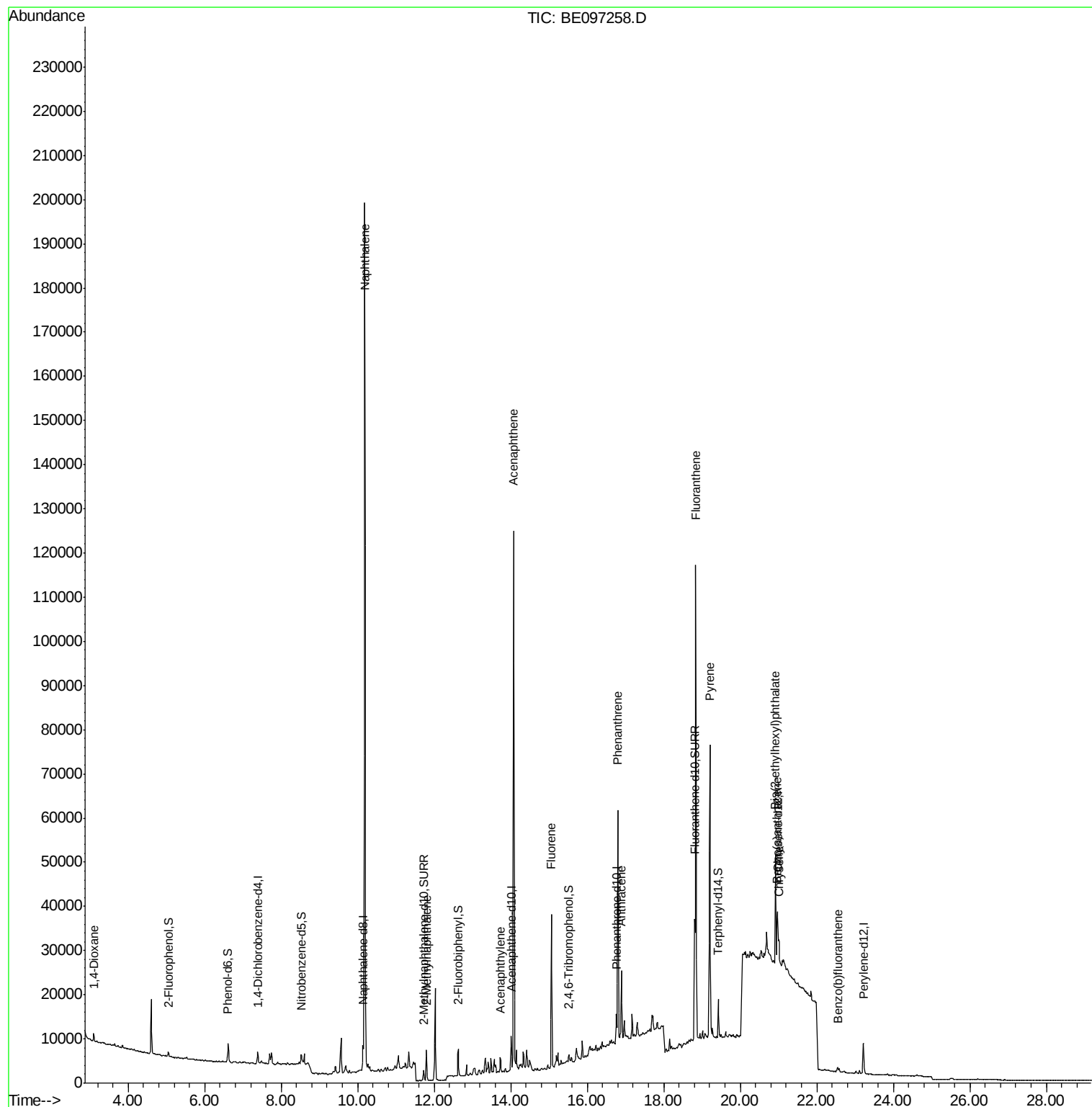
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.09	88	1119	0.642	ng	92
9) Naphthalene	10.19	128	297661	5.780	ng	99
12) 2-Methylnaphthalene	11.80	142	4845	0.548	ng	98
16) Acenaphthylene	13.73	152	1813	0.111	ng	# 62
17) Acenaphthene	14.07	154	62006	6.550	ng	95
18) Fluorene	15.06	166	24553	1.963	ng	# 80
23) Phenanthrene	16.80	178	53654	2.473	ng	97
24) Anthracene	16.89	178	14780	0.762	ng	# 87
26) Fluoranthene	18.84	202	95489	3.923	ng	98
28) Pyrene	19.20	202	62816	2.318	ng	# 91
30) Benzo(a)anthracene	20.95	228	7100	0.289	ng	# 75
31) Chrysene	21.02	228	5954	0.226	ng	# 61
32) Bis(2-ethylhexyl)phthalate	20.92	149	29272	1.028	ng	# 97
35) Benzo(b)fluoranthene	22.54	252	1697	0.072	ng	# 30

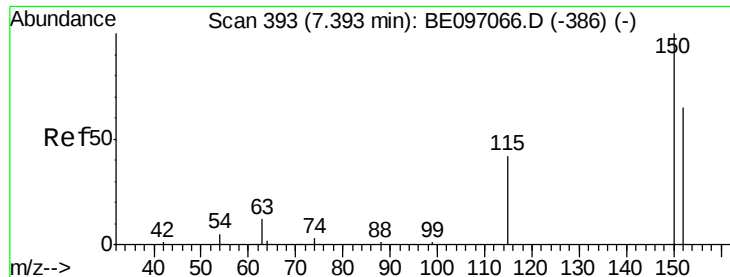
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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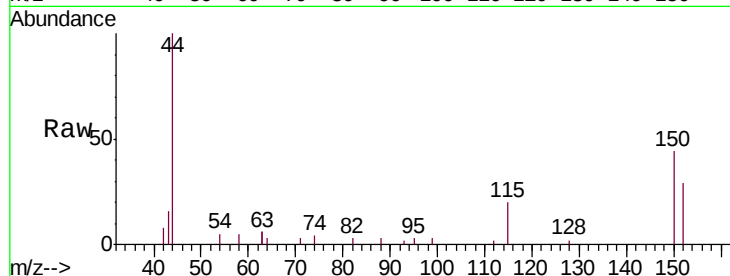


#1

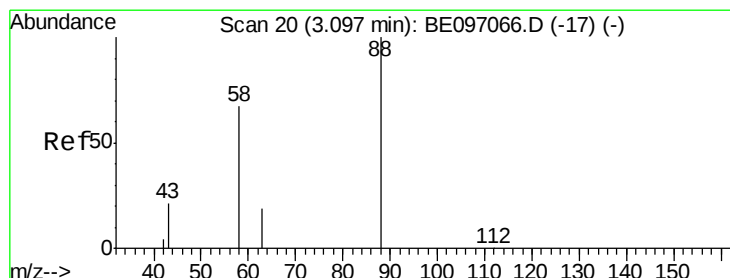
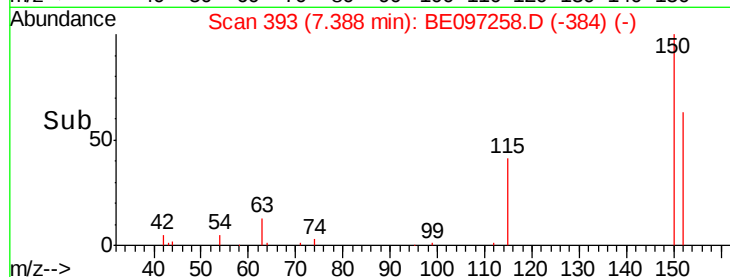
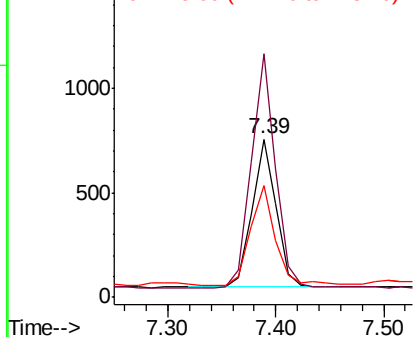
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.39 min Scan# 393
Delta R.T. -0.00 min
Lab File: BE097258.D
Acq: 10 Aug 2018 12:12

Instrument :
BNA_E
ClientSampleId :
MW-103S

Tgt Ion:152 Resp: 1097
Ion Ratio Lower Upper
152 100
150 153.9 117.2 175.8
115 70.3 57.0 85.6



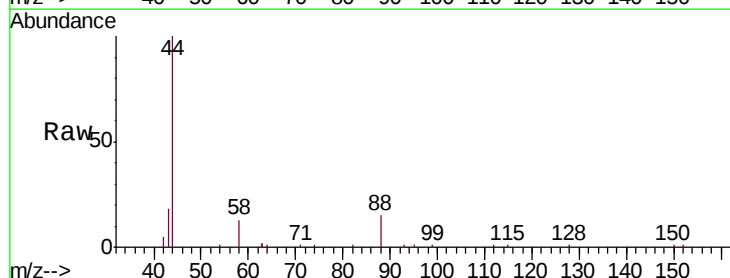
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



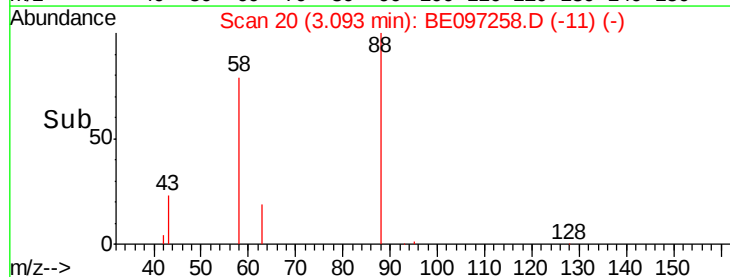
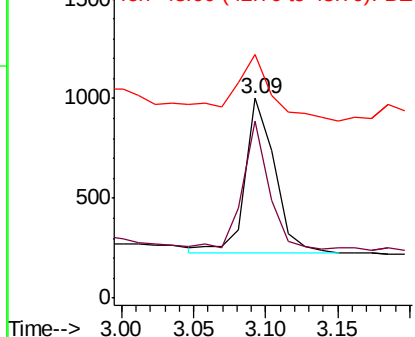
#2

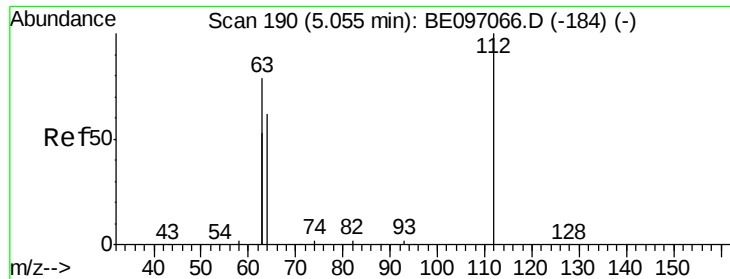
1,4-Dioxane
Concen: 0.642 ng
RT: 3.09 min Scan# 20
Delta R.T. -0.00 min
Lab File: BE097258.D
Acq: 10 Aug 2018 12:12

Tgt Ion: 88 Resp: 1119
Ion Ratio Lower Upper
88 100
58 73.0 63.2 94.8
43 57.9 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: 0.214 ng

RT: 5.05 min Scan# 190

Delta R.T. -0.00 min

Lab File: BE097258.D

Acq: 10 Aug 2018 12:12

Instrument :

BNA_E

ClientSampleId :

MW-103S

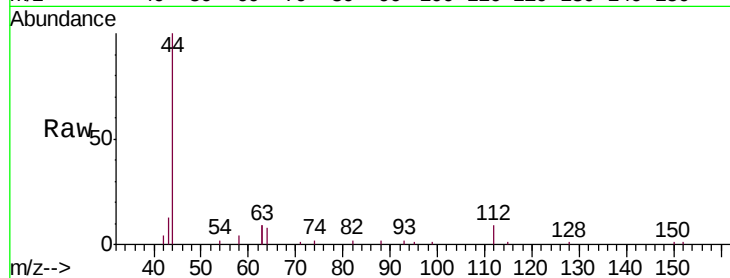
Tgt Ion: 112 Resp: 659

Ion Ratio Lower Upper

112 100

64 70.7 60.1 90.1

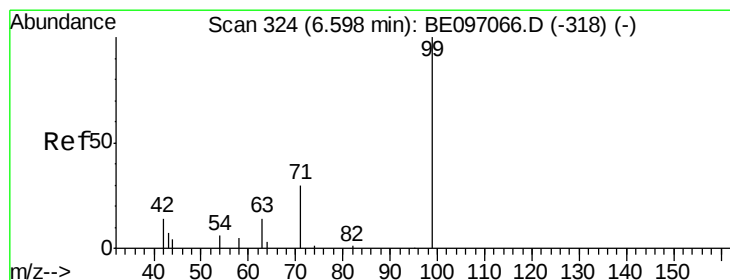
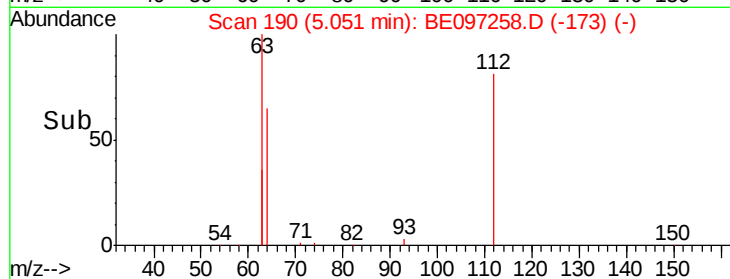
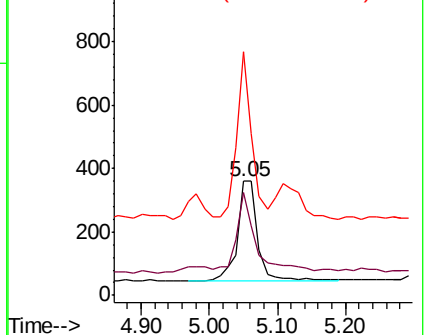
63 122.5 116.8 175.2



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: 0.117 ng

RT: 6.59 min Scan# 324

Delta R.T. -0.00 min

Lab File: BE097258.D

Acq: 10 Aug 2018 12:12

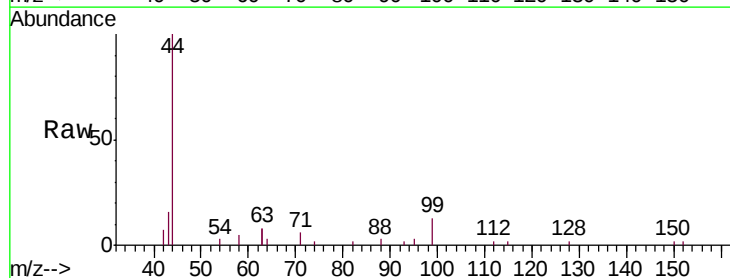
Tgt Ion: 99 Resp: 529

Ion Ratio Lower Upper

99 100

42 0.0 20.2 30.2#

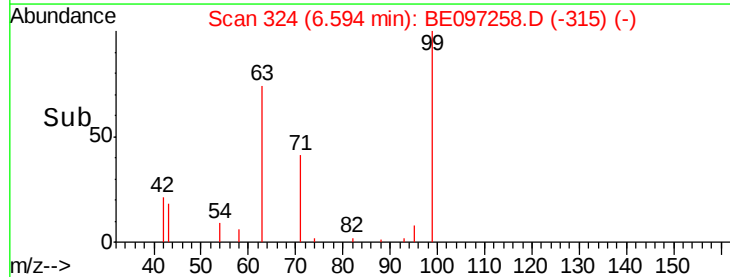
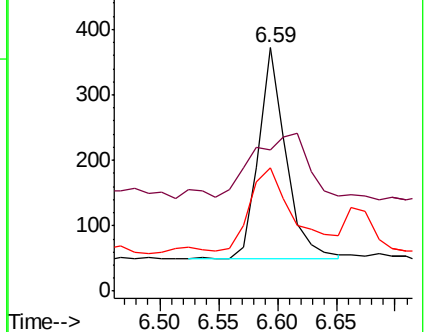
71 61.6 28.4 42.6#

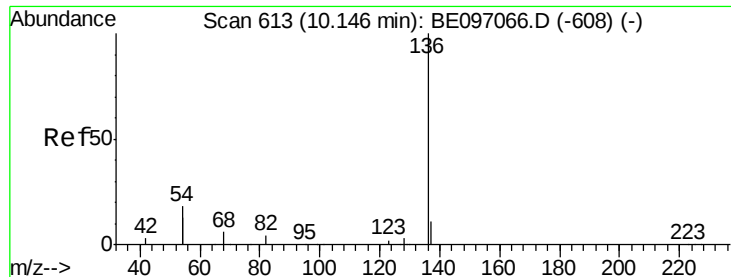


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.15 min Scan# 614

Delta R.T. 0.00 min

Lab File: BE097258.D

Acq: 10 Aug 2018 12:12

Instrument :

BNA_E

ClientSampleId :

MW-103S

Tgt Ion:136 Resp: 5739

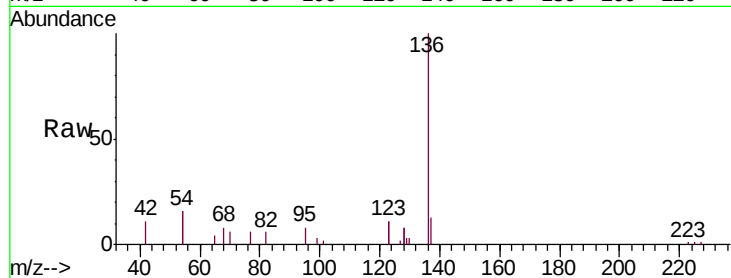
Ion Ratio Lower Upper

136 100

137 13.0 9.5 14.3

54 31.0 29.1 43.7

68 8.2 6.2 9.2

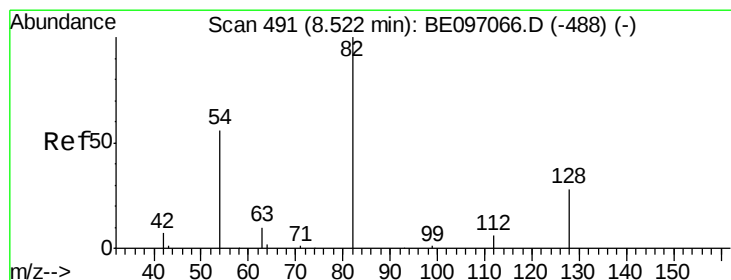
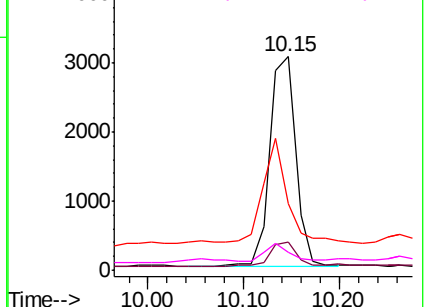
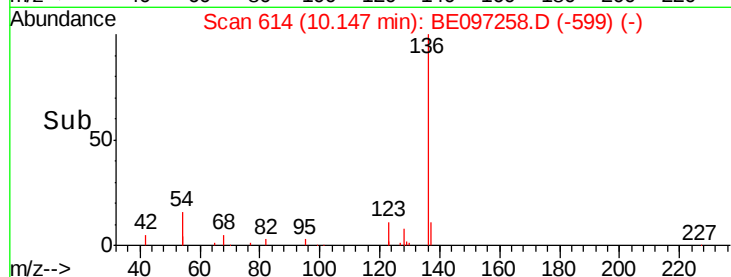


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.404 ng

RT: 8.52 min Scan# 491

Delta R.T. -0.00 min

Lab File: BE097258.D

Acq: 10 Aug 2018 12:12

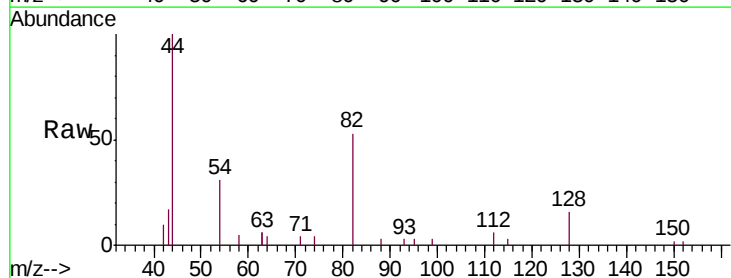
Tgt Ion: 82 Resp: 2012

Ion Ratio Lower Upper

82 100

128 29.8 24.0 36.0

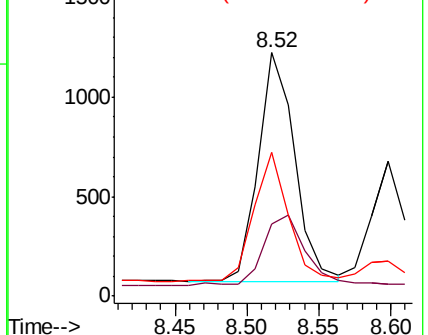
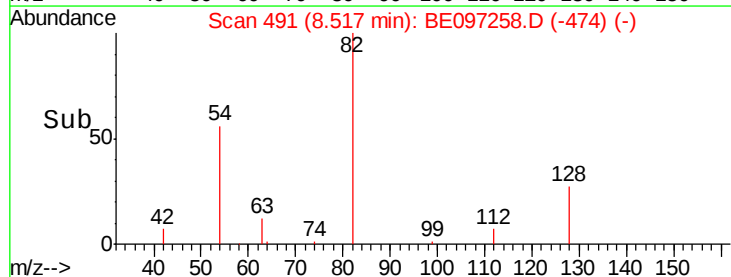
54 58.8 40.0 60.0

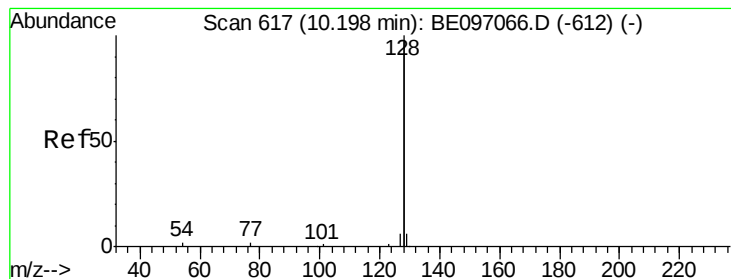


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 5.780 ng

RT: 10.19 min Scan# 617

Delta R.T. -0.01 min

Lab File: BE097258.D

Acq: 10 Aug 2018 12:12

Instrument :

BNA_E

ClientSampleId :

MW-103S

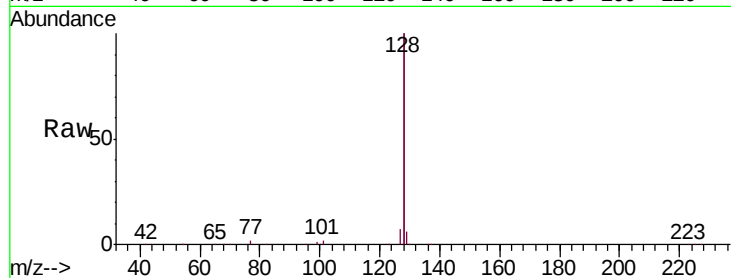
Tgt Ion:128 Resp: 297661

Ion Ratio Lower Upper

128 100

129 2.8 2.6 3.8

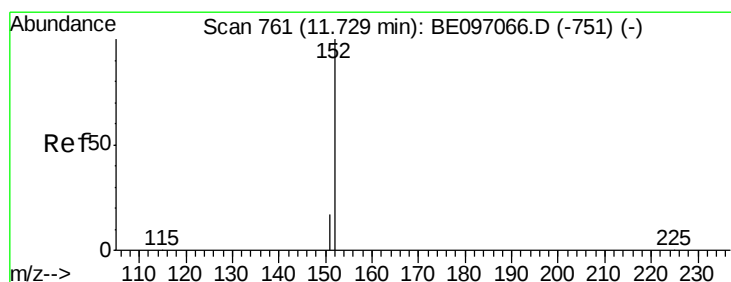
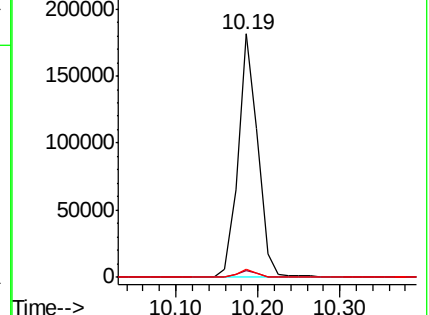
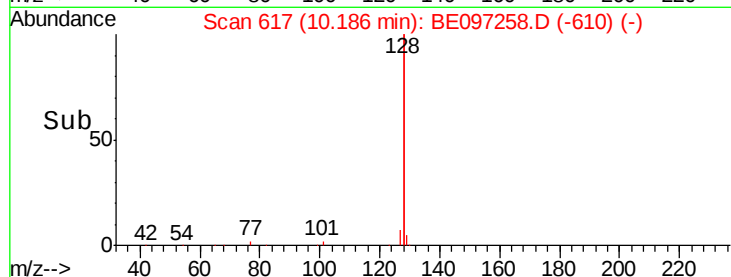
127 3.4 2.8 4.2



Abundance Ion 128.00 (127.70 to 128.70): E

250000 Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#11

2-Methylnaphthalene-d10

Concen: 0.408 ng

RT: 11.72 min Scan# 761

Delta R.T. 0.00 min

Lab File: BE097258.D

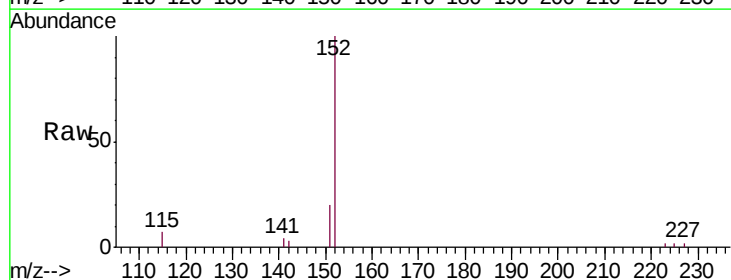
Acq: 10 Aug 2018 12:12

Tgt Ion:152 Resp: 3503

Ion Ratio Lower Upper

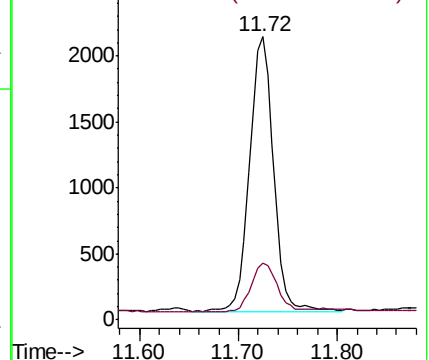
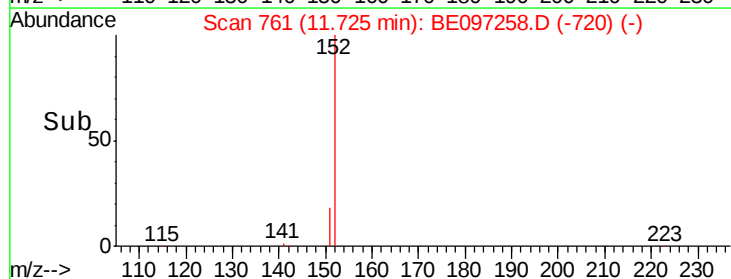
152 100

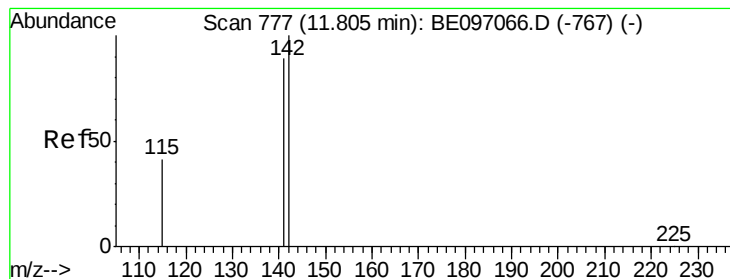
151 19.2 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

2500 Ion 151.00 (150.70 to 151.70): E





#12

2-Methylnaphthalene

Concen: 0.548 ng

RT: 11.80 min Scan# 777

Delta R.T. -0.00 min

Lab File: BE097258.D

Acq: 10 Aug 2018 12:12

Instrument :

BNA_E

ClientSampleId :

MW-103S

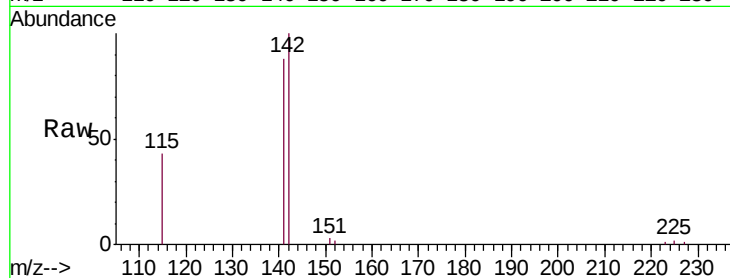
Tgt Ion:142 Resp: 4845

Ion Ratio Lower Upper

142 100

141 87.5 70.4 105.6

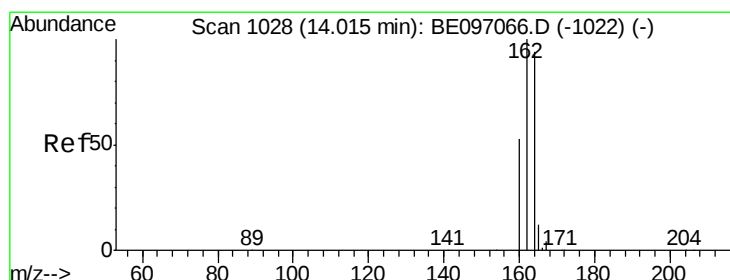
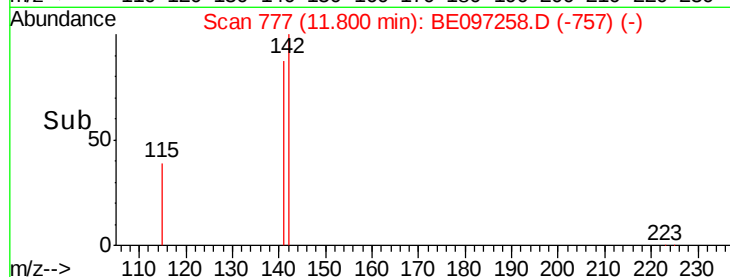
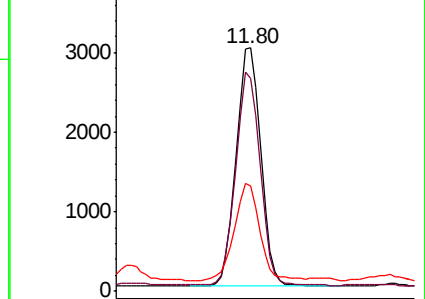
115 43.2 31.7 47.5



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



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.01 min Scan# 1029

Delta R.T. -0.00 min

Lab File: BE097258.D

Acq: 10 Aug 2018 12:12

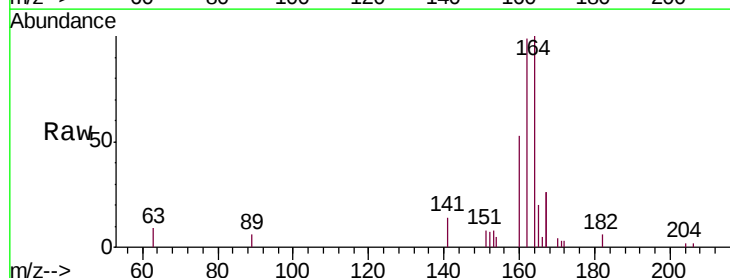
Tgt Ion:164 Resp: 3628

Ion Ratio Lower Upper

164 100

162 99.1 83.1 124.7

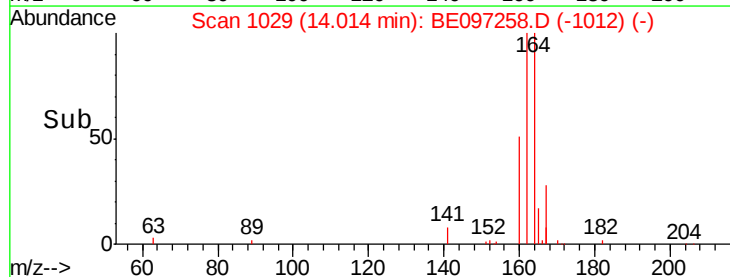
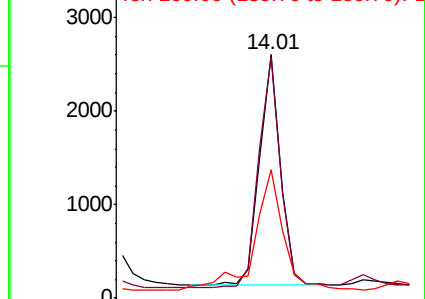
160 52.8 37.1 55.7

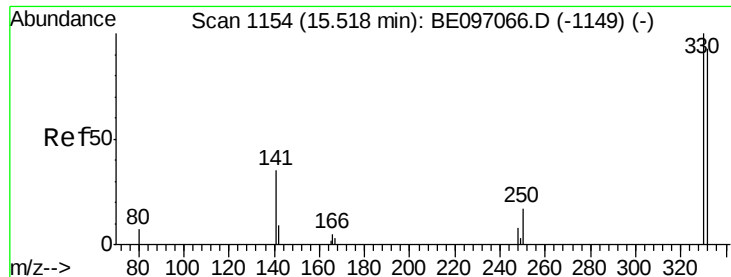


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

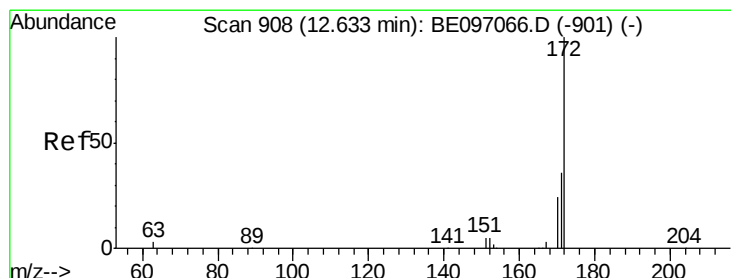
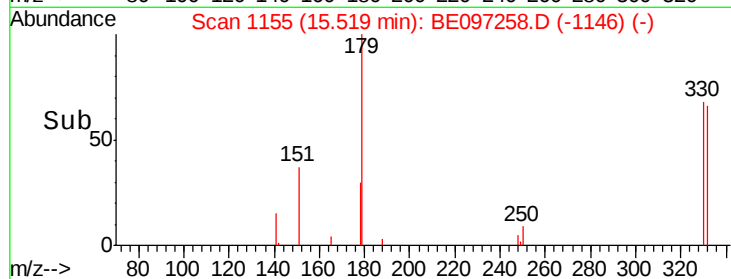
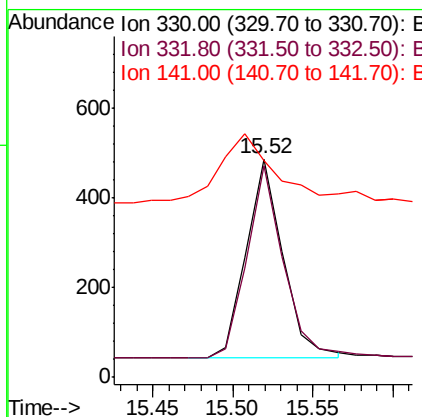
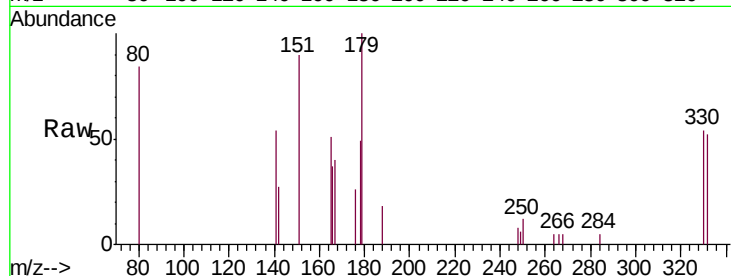




#14
 2,4,6-Tribromophenol
 Concen: 0.590 ng
 RT: 15.52 min Scan# 1155
 Delta R.T. 0.00 min
 Lab File: BE097258.D
 Acq: 10 Aug 2018 12:12

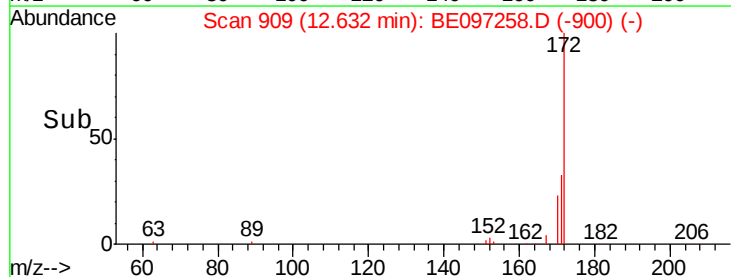
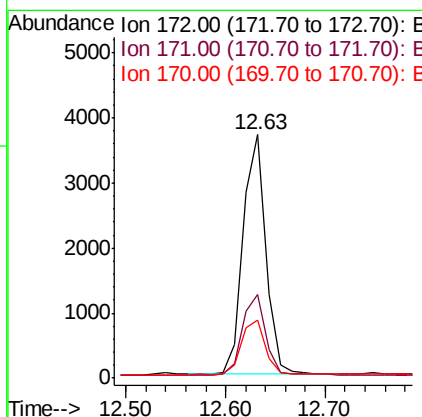
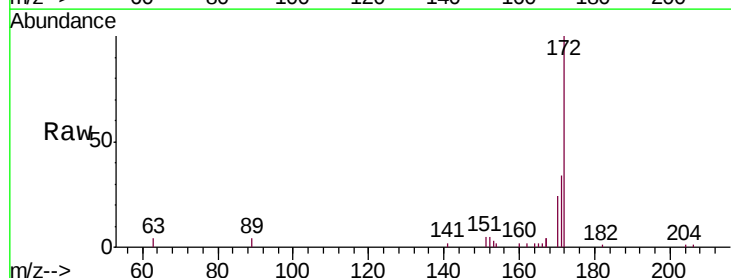
Instrument :
 BNA_E
 ClientSampleId :
 MW-103S

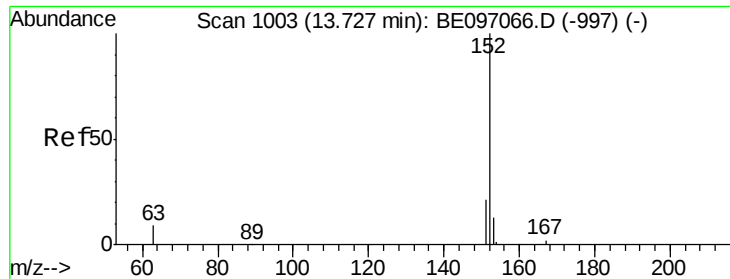
Tgt Ion: 330 Resp: 705
 Ion Ratio Lower Upper
 330 100
 332 95.5 152.7 229.1#
 141 51.9 33.7 50.5#



#15
 2-Fluorobiphenyl
 Concen: 0.466 ng
 RT: 12.63 min Scan# 909
 Delta R.T. -0.00 min
 Lab File: BE097258.D
 Acq: 10 Aug 2018 12:12

Tgt Ion: 172 Resp: 5833
 Ion Ratio Lower Upper
 172 100
 171 34.3 29.9 44.9
 170 24.0 21.8 32.8

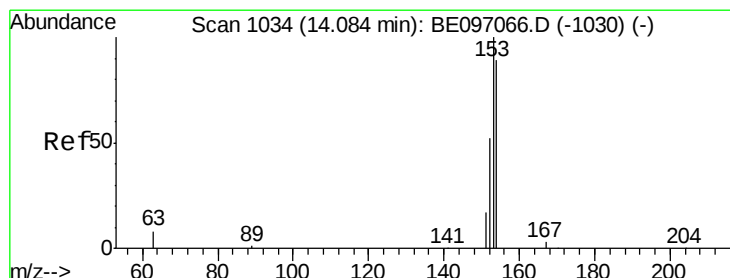
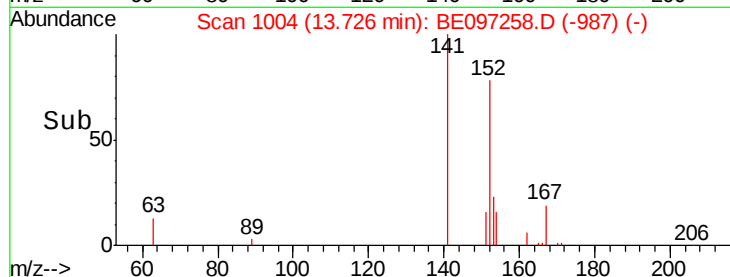
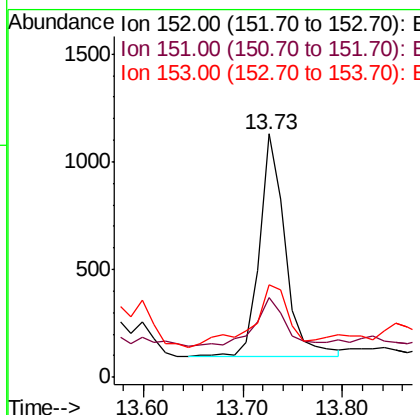
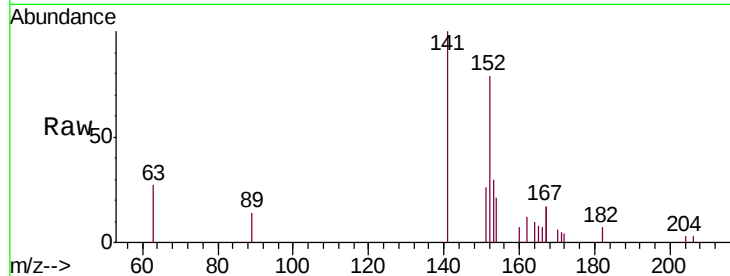




#16
Acenaphthylene
Concen: 0.111 ng
RT: 13.73 min Scan# 1004
Delta R.T. -0.00 min
Lab File: BE097258.D
Acq: 10 Aug 2018 12:12

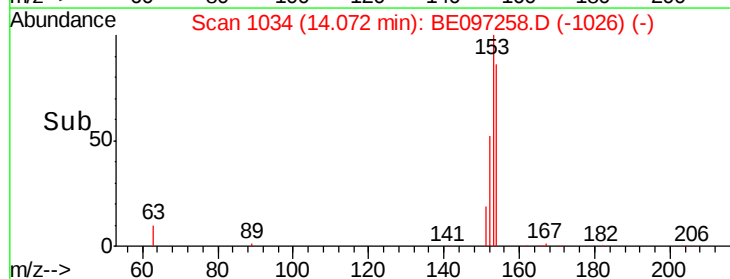
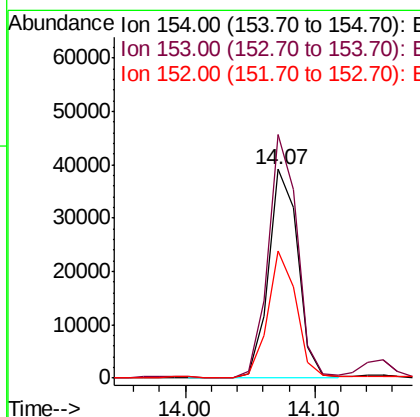
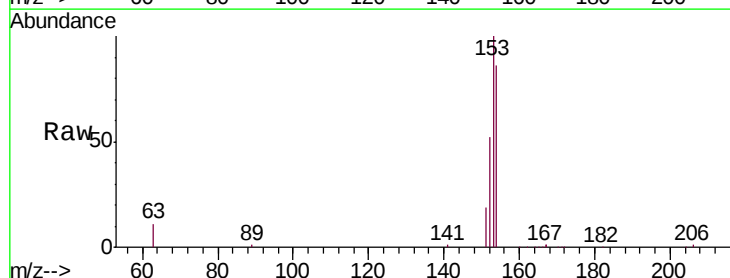
Instrument :
BNA_E
ClientSampleId :
MW-103S

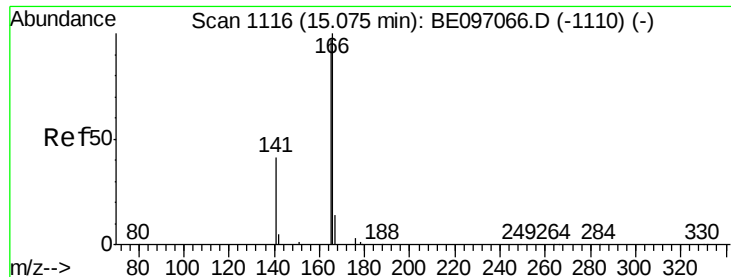
Tgt Ion:152 Resp: 1813
Ion Ratio Lower Upper
152 100
151 27.6 15.7 23.5#
153 40.5 10.5 15.7#



#17
Acenaphthene
Concen: 6.550 ng
RT: 14.07 min Scan# 1034
Delta R.T. -0.01 min
Lab File: BE097258.D
Acq: 10 Aug 2018 12:12

Tgt Ion:154 Resp: 62006
Ion Ratio Lower Upper
154 100
153 114.4 89.2 133.8
152 58.4 42.0 63.0





#18

Fluorene

Concen: 1.963 ng

RT: 15.06 min Scan# 1116

Delta R.T. -0.01 min

Lab File: BE097258.D

Acq: 10 Aug 2018 12:12

Instrument :

BNA_E

ClientSampleId :

MW-103S

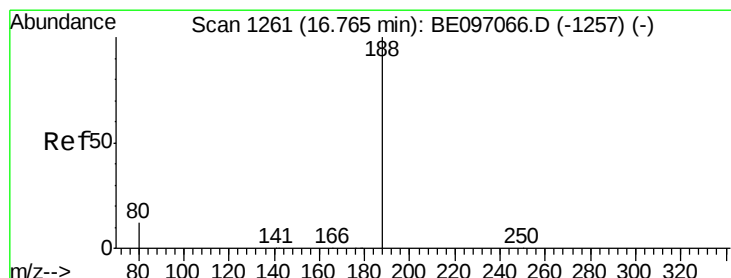
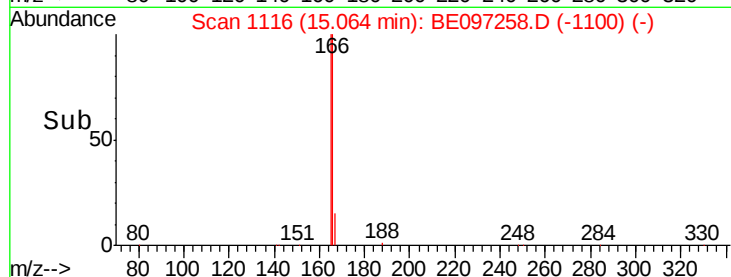
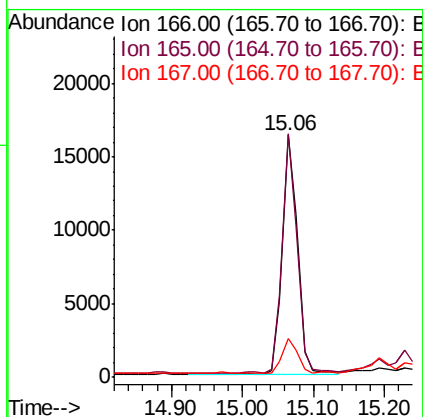
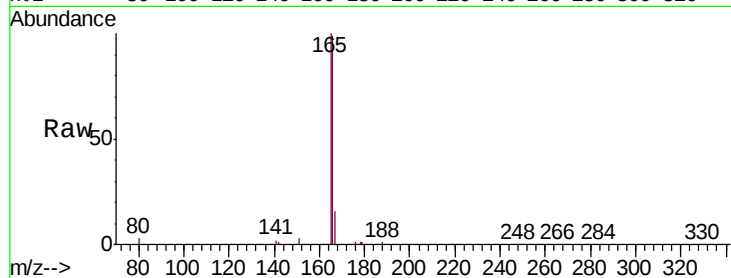
Tgt Ion:166 Resp: 24553

Ion Ratio Lower Upper

166 100

165 99.3 77.8 116.6

167 15.1 42.4 63.6#



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.77 min Scan# 1262

Delta R.T. 0.00 min

Lab File: BE097258.D

Acq: 10 Aug 2018 12:12

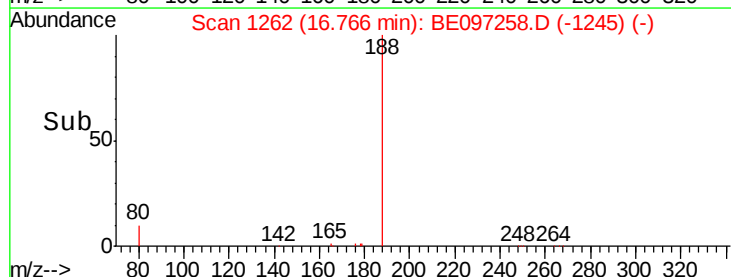
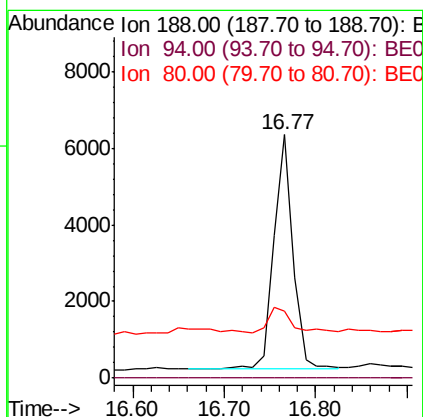
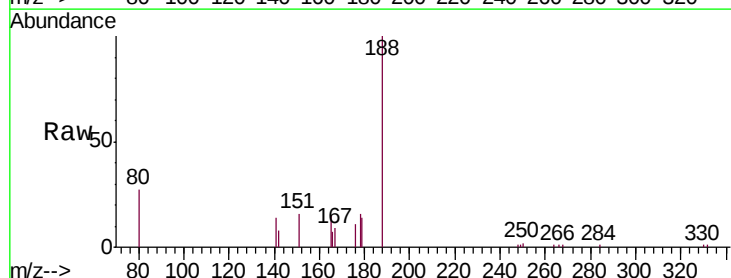
Tgt Ion:188 Resp: 9101

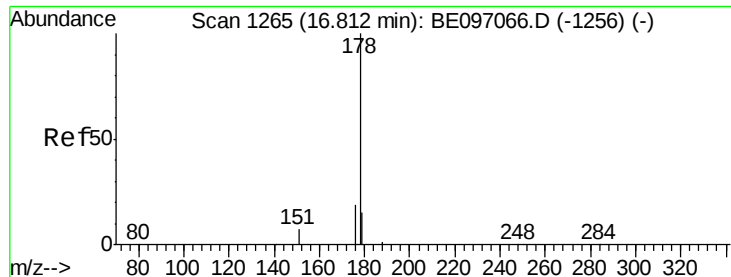
Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

80 27.4 3.6 5.4#





#23

Phenanthrene

Concen: 2.473 ng

RT: 16.80 min Scan# 1265

Delta R.T. -0.01 min

Lab File: BE097258.D

Acq: 10 Aug 2018 12:12

Instrument :

BNA_E

ClientSampleId :

MW-103S

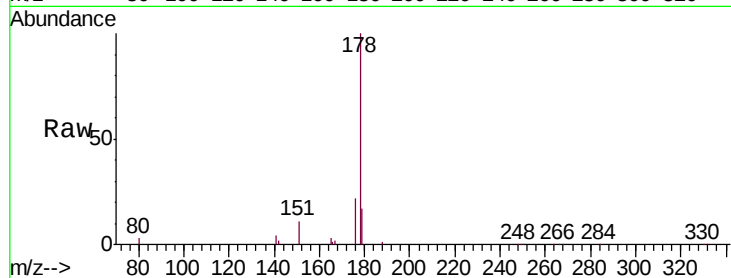
Tgt Ion:178 Resp: 53654

Ion Ratio Lower Upper

178 100

176 20.4 15.1 22.7

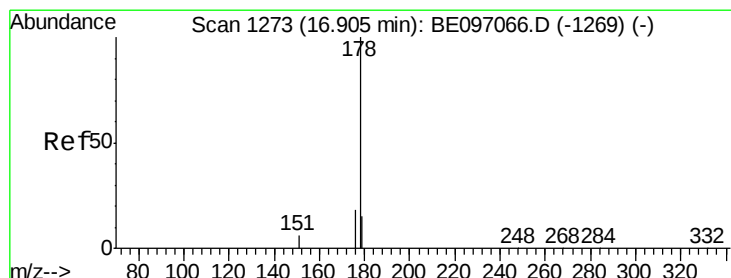
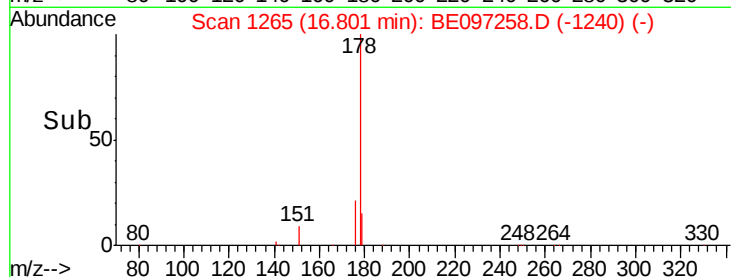
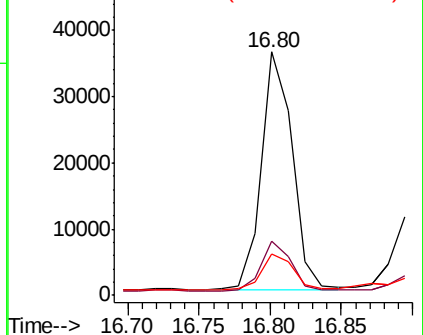
179 16.0 11.8 17.6



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: 0.762 ng

RT: 16.89 min Scan# 1273

Delta R.T. 0.00 min

Lab File: BE097258.D

Acq: 10 Aug 2018 12:12

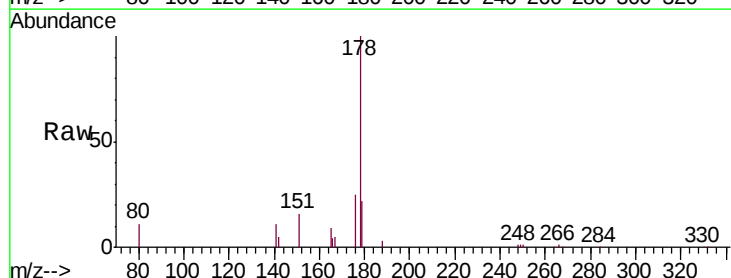
Tgt Ion:178 Resp: 14780

Ion Ratio Lower Upper

178 100

176 20.3 12.8 19.2#

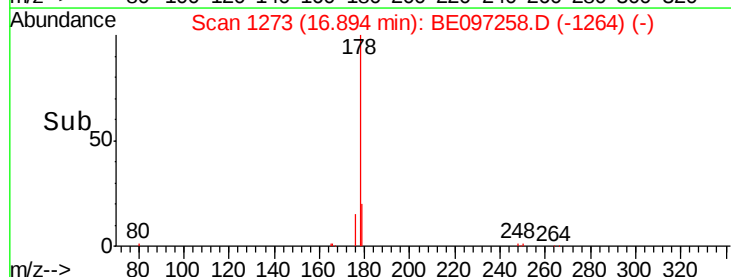
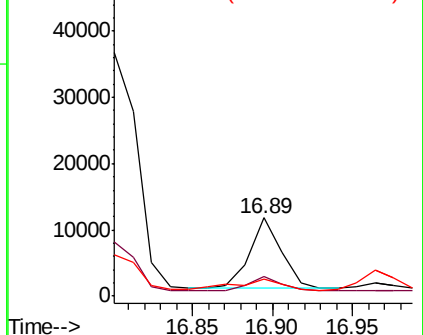
179 23.2 13.0 19.6#

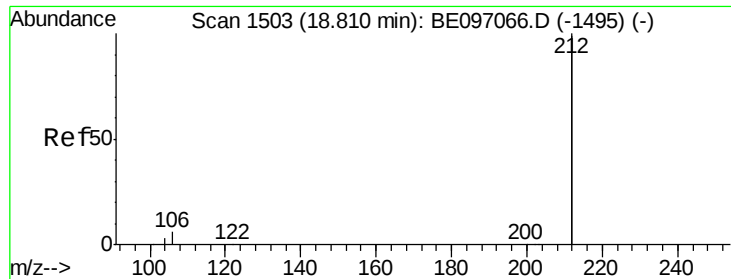


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.447 ng

RT: 18.81 min Scan# 1503

Delta R.T. -0.00 min

Lab File: BE097258.D

Acq: 10 Aug 2018 12:12

Instrument :

BNA_E

ClientSampleId :

MW-103S

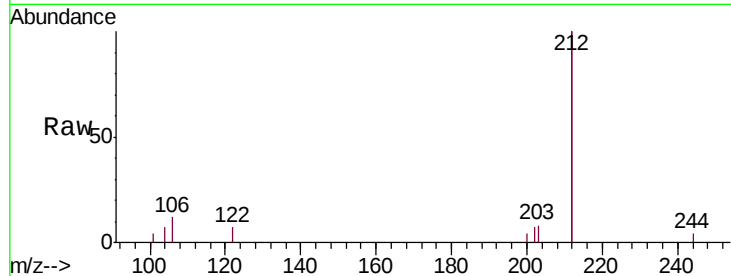
Tgt Ion:212 Resp: 40705

Ion Ratio Lower Upper

212 100

106 3.5 2.8 4.2

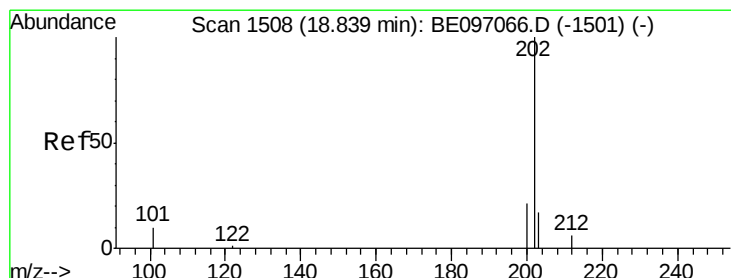
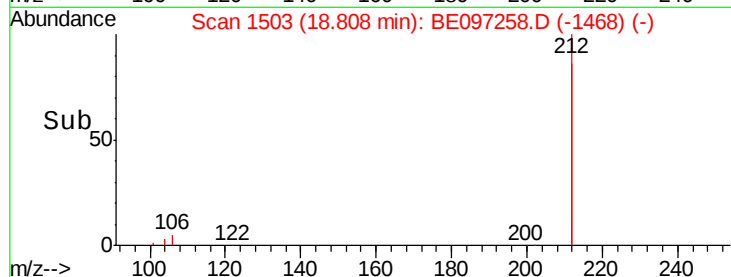
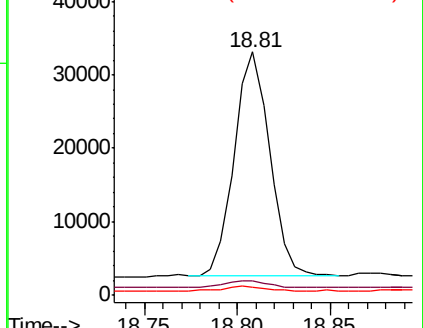
104 2.2 1.6 2.4



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



#26

Fluoranthene

Concen: 3.923 ng

RT: 18.84 min Scan# 1508

Delta R.T. -0.00 min

Lab File: BE097258.D

Acq: 10 Aug 2018 12:12

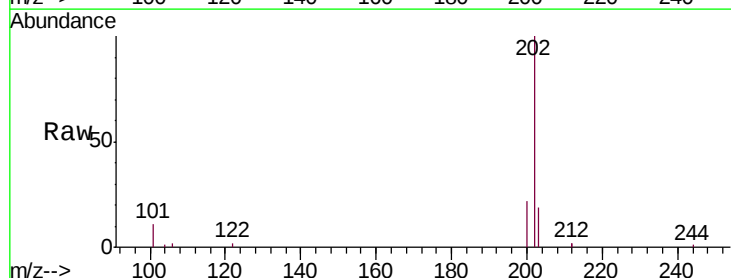
Tgt Ion:202 Resp: 95489

Ion Ratio Lower Upper

202 100

101 10.6 9.8 14.8

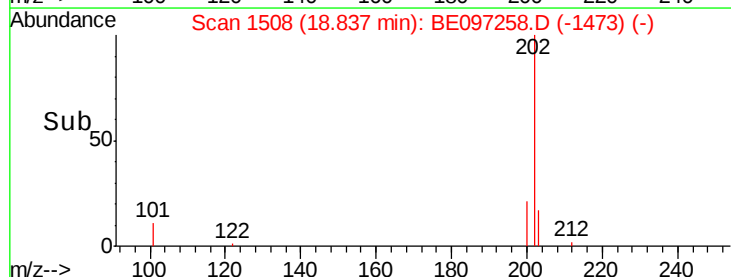
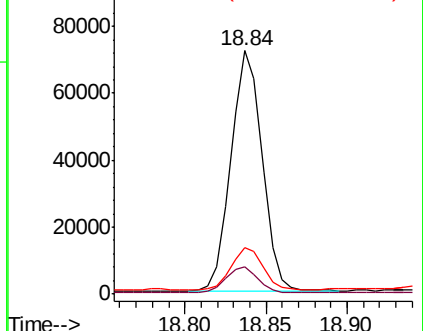
203 17.6 13.7 20.5

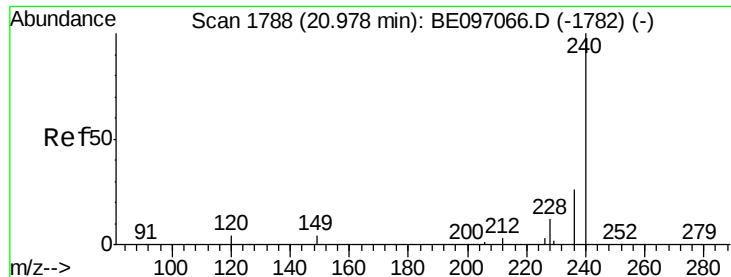


Abundance Ion 202.00 (201.70 to 202.70): E

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: 20.98 min Scan# 1788

Delta R.T. 0.00 min

Lab File: BE097258.D

Acq: 10 Aug 2018 12:12

Instrument :

BNA_E

ClientSampleId :

MW-103S

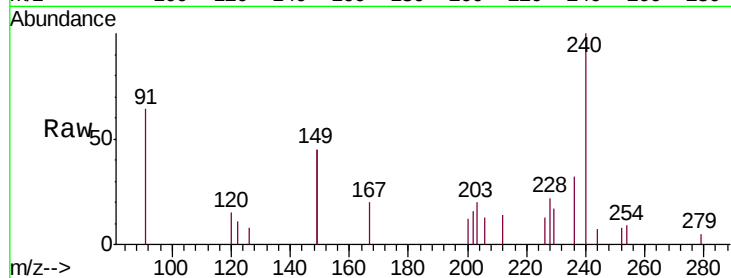
Tgt Ion:240 Resp: 9879

Ion Ratio Lower Upper

240 100

120 14.6 5.5 8.3#

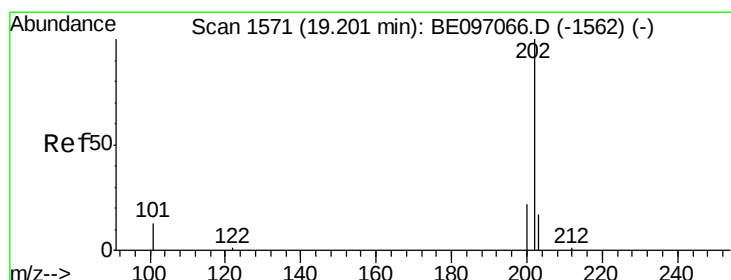
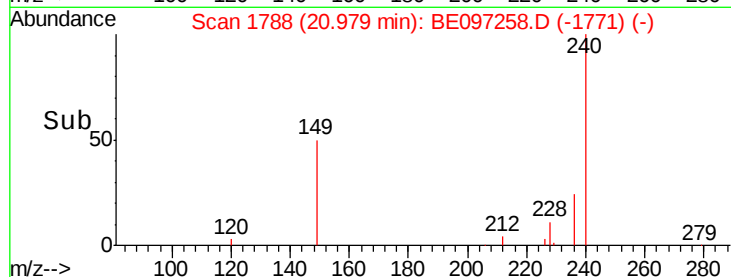
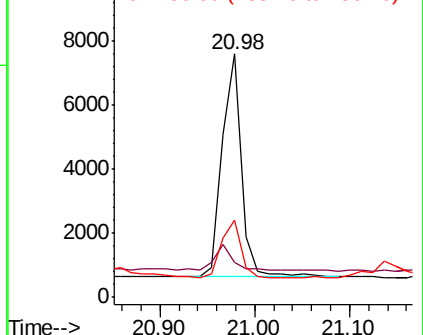
236 31.6 20.7 31.1#



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: 2.318 ng

RT: 19.20 min Scan# 1572

Delta R.T. 0.00 min

Lab File: BE097258.D

Acq: 10 Aug 2018 12:12

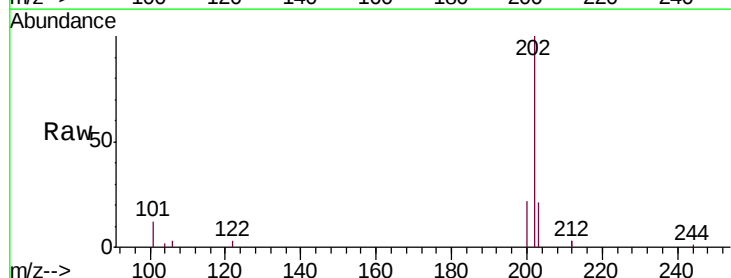
Tgt Ion:202 Resp: 62816

Ion Ratio Lower Upper

202 100

200 21.8 16.6 25.0

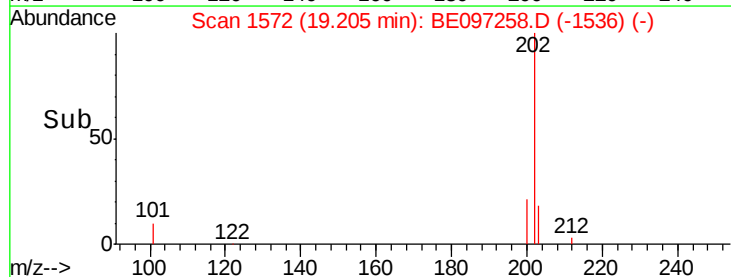
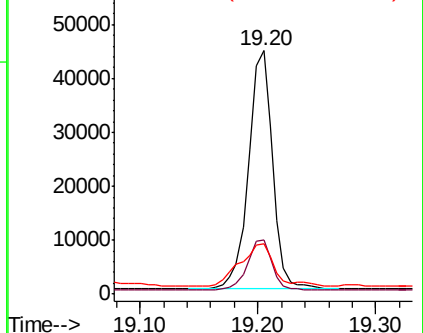
203 25.0 13.8 20.8#

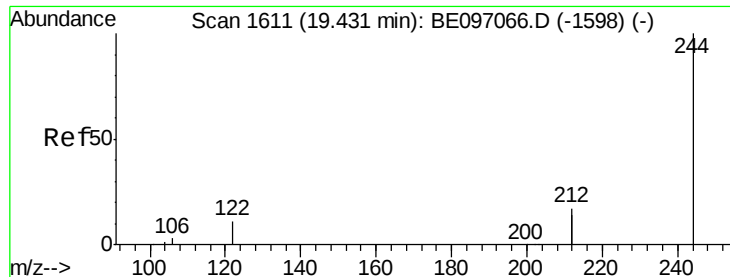


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

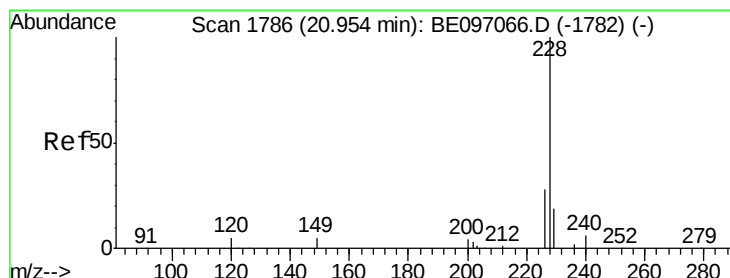
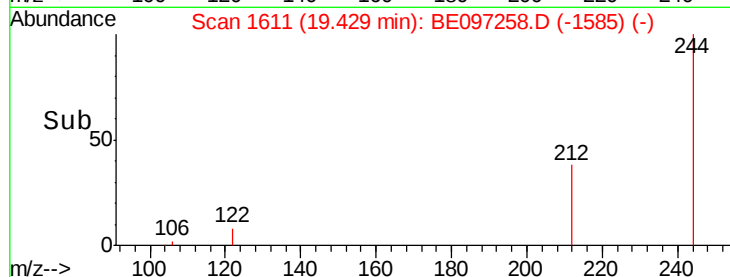
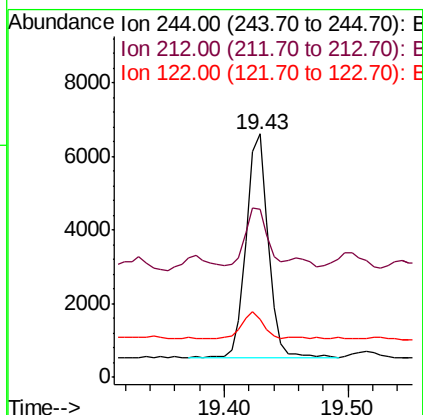
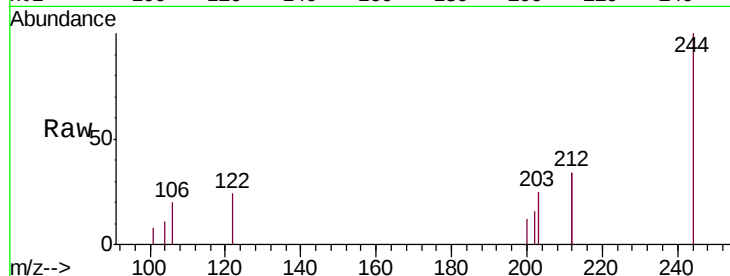




#29
 Terphenyl-d14
 Concen: 0.399 ng
 RT: 19.43 min Scan# 1611
 Delta R.T. -0.00 min
 Lab File: BE097258.D
 Acq: 10 Aug 2018 12:12

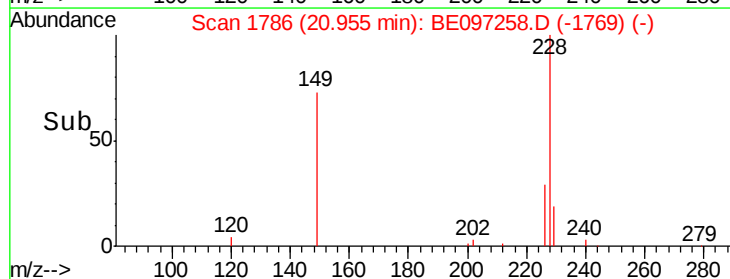
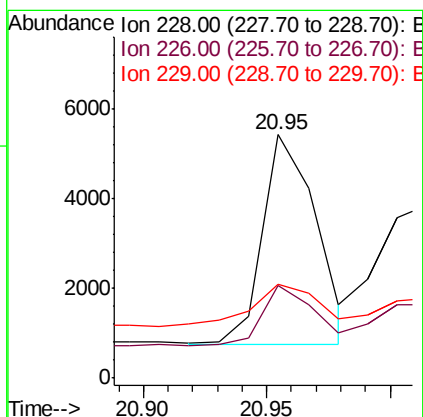
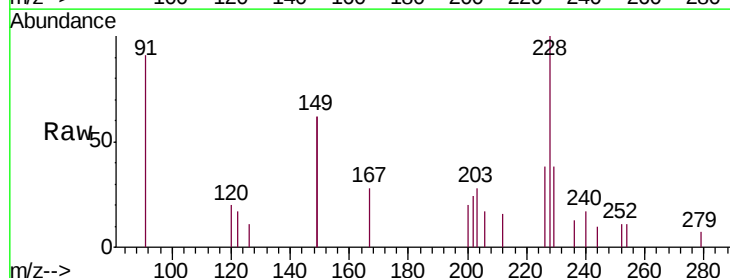
Instrument :
 BNA_E
 ClientSampleId :
 MW-103S

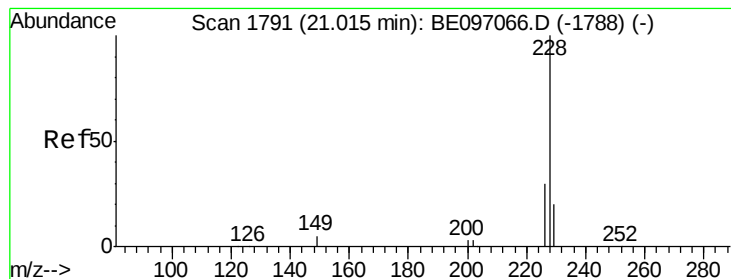
Tgt Ion:244 Resp: 7571
 Ion Ratio Lower Upper
 244 100
 212 69.0 25.4 38.0#
 122 23.9 8.1 12.1#



#30
 Benzo(a)anthracene
 Concen: 0.289 ng
 RT: 20.95 min Scan# 1786
 Delta R.T. 0.00 min
 Lab File: BE097258.D
 Acq: 10 Aug 2018 12:12

Tgt Ion:228 Resp: 7100
 Ion Ratio Lower Upper
 228 100
 226 38.0 24.0 36.0#
 229 38.5 16.0 24.0#





#31

Chrysene

Concen: 0.226 ng

RT: 21.02 min Scan# 1791

Delta R.T. 0.01 min

Lab File: BE097258.D

Acq: 10 Aug 2018 12:12

Instrument :

BNA_E

ClientSampleId :

MW-103S

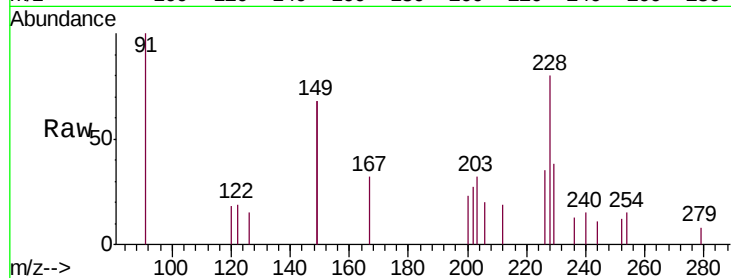
Tgt Ion:228 Resp: 5954

Ion Ratio Lower Upper

228 100

226 43.5 24.0 36.0#

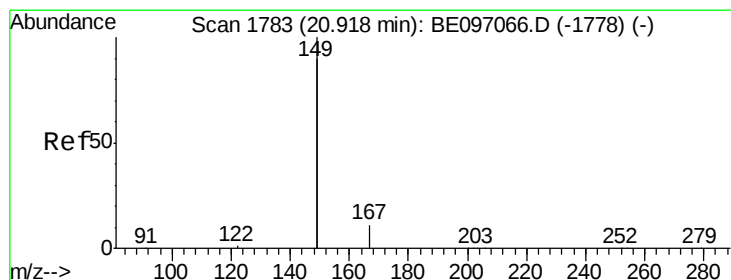
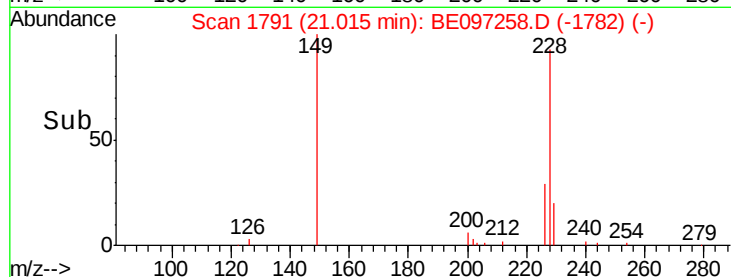
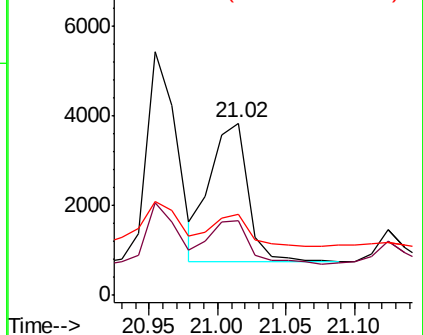
229 47.2 16.0 24.0#



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: 1.028 ng

RT: 20.92 min Scan# 1783

Delta R.T. 0.00 min

Lab File: BE097258.D

Acq: 10 Aug 2018 12:12

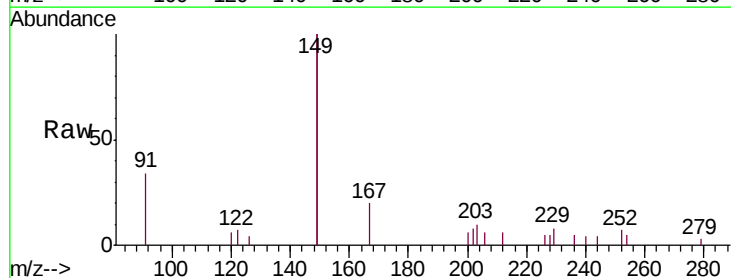
Tgt Ion:149 Resp: 29272

Ion Ratio Lower Upper

149 100

167 7.6 5.4 8.0

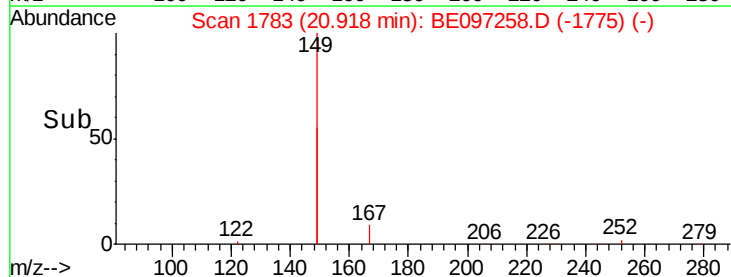
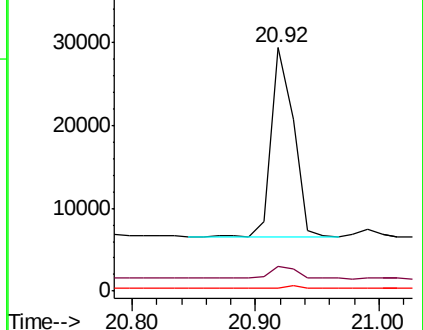
279 1.4 0.7 1.1#

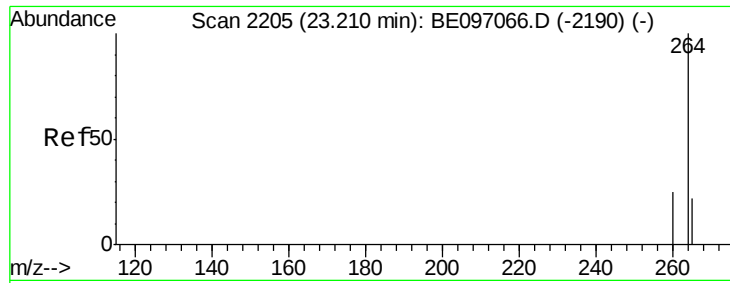


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

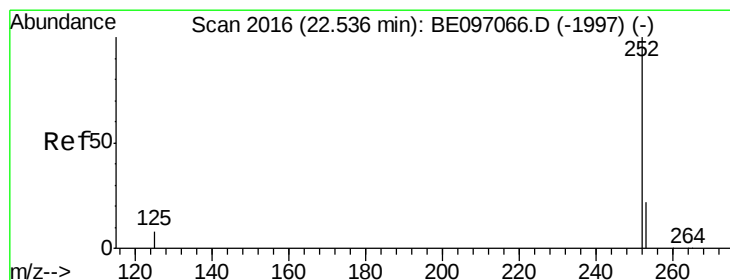
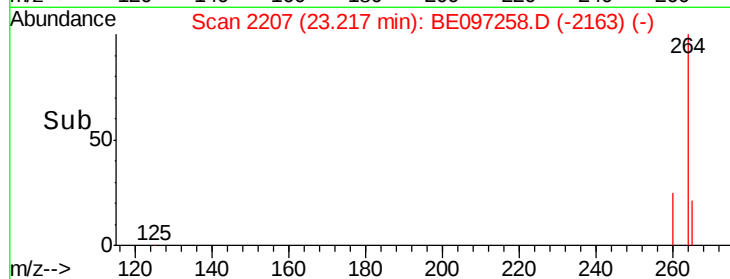
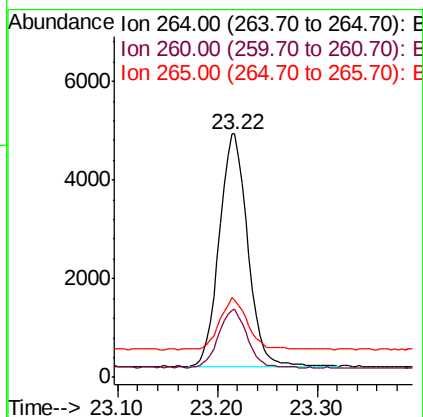
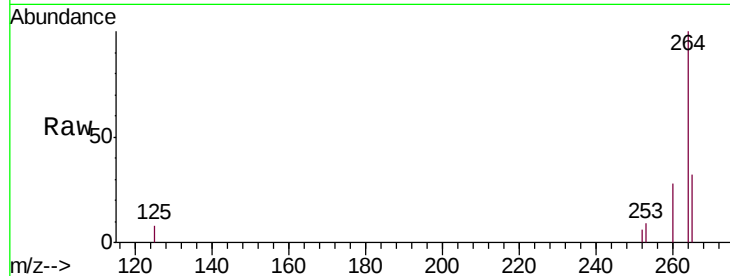




#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.22 min Scan# 2207
 Delta R.T. 0.01 min
 Lab File: BE097258.D
 Acq: 10 Aug 2018 12:12

Instrument :
 BNA_E
 ClientSampleId :
 MW-103S

Tgt Ion: 264 Resp: 9351
 Ion Ratio Lower Upper
 264 100
 260 28.0 20.5 30.7
 265 31.9 22.8 34.2



#35
 Benzo(b)fluoranthene
 Concen: 0.072 ng
 RT: 22.54 min Scan# 2018
 Delta R.T. 0.01 min
 Lab File: BE097258.D
 Acq: 10 Aug 2018 12:12

Tgt Ion: 252 Resp: 1697
 Ion Ratio Lower Upper
 252 100
 253 65.3 20.0 30.0#
 125 46.0 16.0 24.0#

