

Data Path : Z:\HPCHEM1\BNA E\DATA\BE110917\
 Data File : BE094790.D
 Acq On : 8 Nov 2017 19:29
 Operator : SJ/JU
 Sample : I6328-03
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 MW-4

Quant Time: Nov 09 00:21:57 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE102317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 23 22:40:47 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.90	152	1115	0.40	ng	0.00
7) Naphthalene-d8	10.69	136	6803	0.40	ng	-0.02
13) Acenaphthene-d10	14.51	164	4054	0.40	ng	0.00
19) Phenanthrene-d10	17.23	188	10547	0.40	ng	0.00
27) Chrysene-d12	21.43	240	8262	0.40	ng	0.00
34) Perylene-d12	23.96	264	7324	0.40	ng	0.01

System Monitoring Compounds						
4) 2-Fluorophenol	5.55	112	530	0.14	ng	0.02
5) Phenol-d6	7.14	99	674	0.12	ng	0.00
8) Nitrobenzene-d5	9.08	82	2545	0.47	ng	0.00
11) 2-Methylnaphthalene-d10	12.27	152	4122	0.38	ng	-0.02
14) 2,4,6-Tribromophenol	16.03	330	372	0.33	ng	0.00
15) 2-Fluorobiphenyl	13.13	172	5979	0.42	ng	-0.02
25) Fluoranthene-d10	19.27	212	41736	0.30	ng	0.00
29) Terphenyl-d14	19.85	244	8478	0.54	ng	-0.02

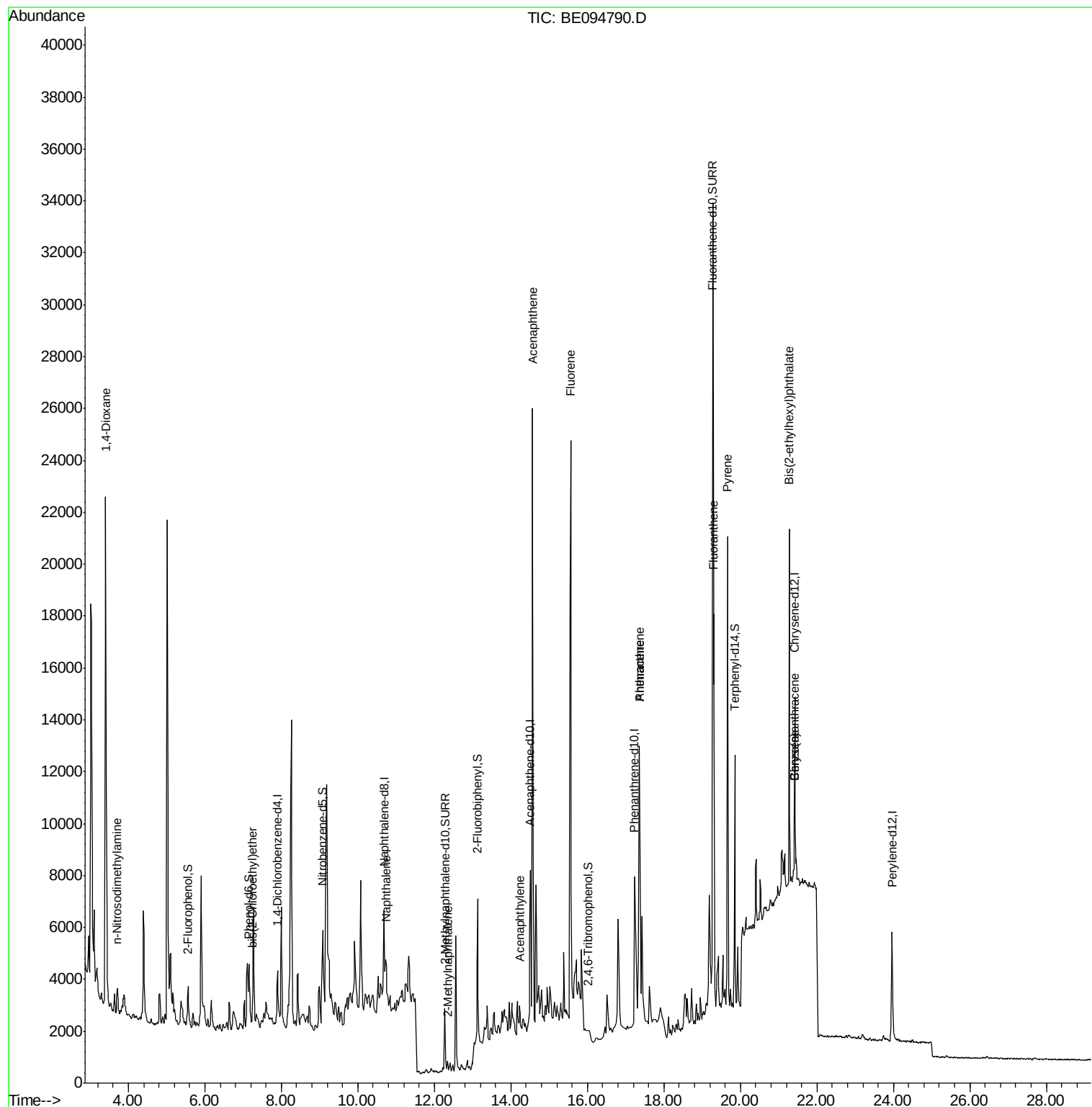
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.41	88	16424	8.70	ng	# 86
3) n-Nitrosodimethylamine	3.71	42	111	0.06	ng	# 1
6) bis(2-Chloroethyl)ether	7.25	93	1955	0.44	ng	# 1
9) Naphthalene	10.74	128	3423	0.04	ng	# 84
12) 2-Methylnaphthalene	12.35	142	268	0.02	ng	# 46
16) Acenaphthylene	14.23	152	530	0.02	ng	# 76
17) Acenaphthene	14.57	154	13223	0.96	ng	99
18) Fluorene	15.56	166	15547	0.88	ng	96
23) Phenanthrene	17.36	178	27205	1.07	ng	# 84
24) Anthracene	17.36	178	27360	0.88	ng	# 79
26) Fluoranthene	19.30	202	13909	0.34	ng	100
28) Pyrene	19.67	202	16258	0.56	ng	97
30) Benzo(a)anthracene	21.40	228	1213	0.05	ng	94
31) Chrysene	21.40	228	1203	0.04	ng	94
32) Bis(2-ethylhexyl)phthalate	21.28	149	15023	0.23	ng	98

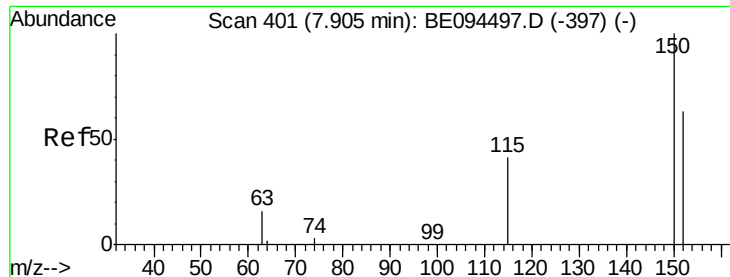
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.40 ng

RT: 7.90 min Scan# 401

Delta R.T. -0.00 min

Lab File: BE094790.D

Acq: 8 Nov 2017 19:29

Instrument :

BNA_E

ClientSampled :

MW-4

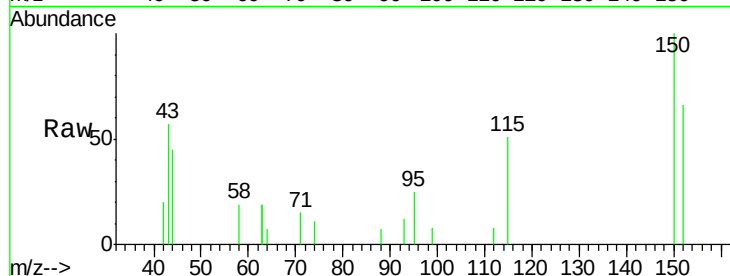
Tot Ion:152 Resp: 1115

Ion Ratio Lower Upper

152 100

150 150.9 117.2 175.8

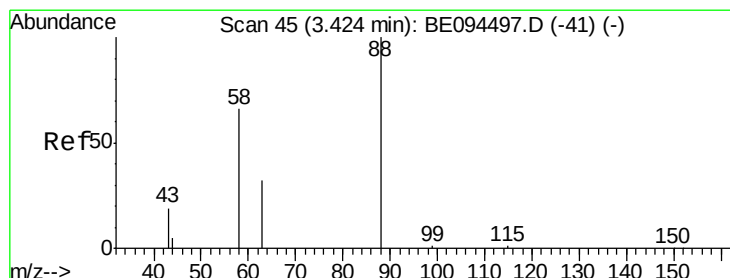
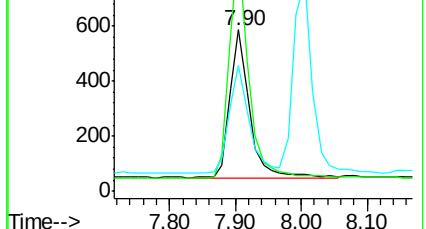
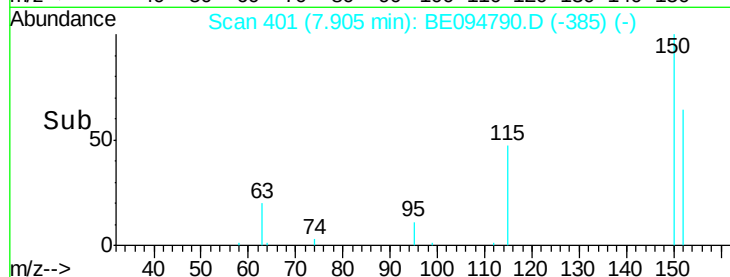
115 77.6 57.0 85.6



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: 8.70 ng

RT: 3.41 min Scan# 44

Delta R.T. -0.01 min

Lab File: BE094790.D

Acq: 8 Nov 2017 19:29

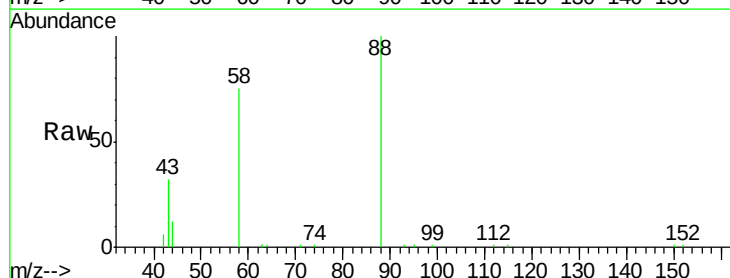
Tgt Ion: 88 Resp: 16424

Ion Ratio Lower Upper

88 100

58 82.1 63.2 94.8

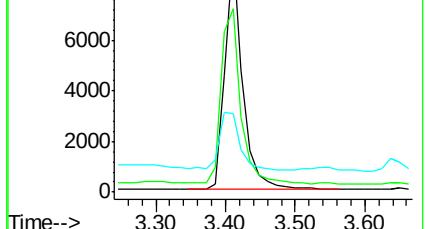
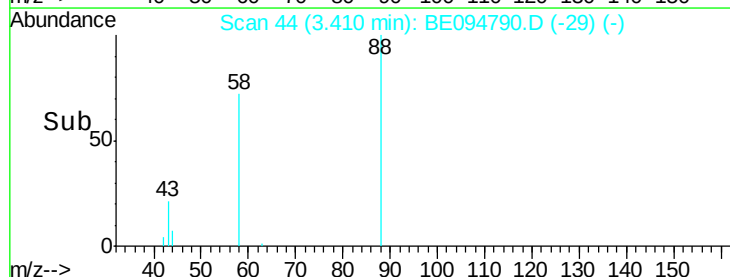
43 30.1 41.2 61.8#

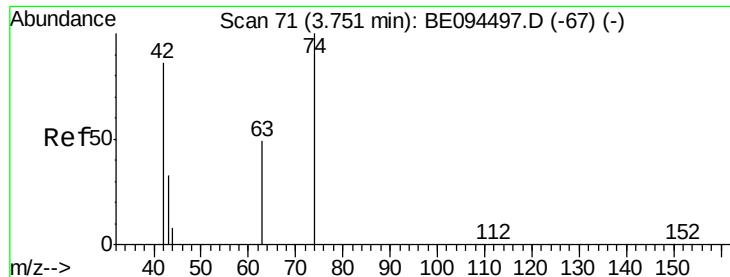


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0



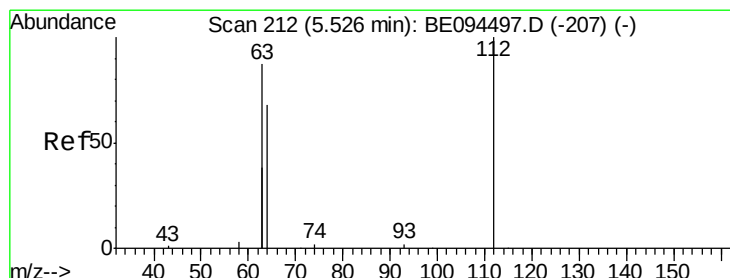
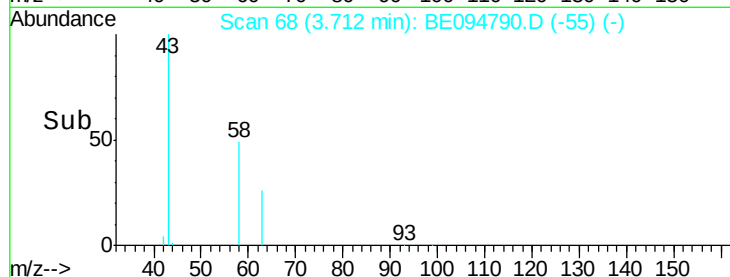
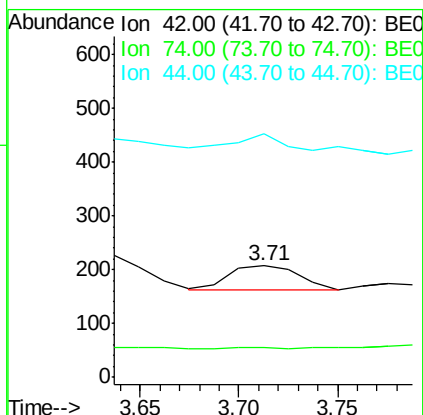
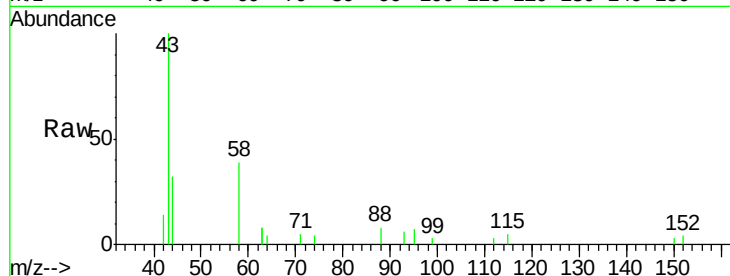


#3

n-Nitrosodimethylamine
Concen: 0.06 ng
RT: 3.71 min Scan# 68
Delta R.T. -0.04 min
Lab File: BE094790.D
Acq: 8 Nov 2017 19:29

Instrument :
BNA_E
ClientSampled :
MW-4

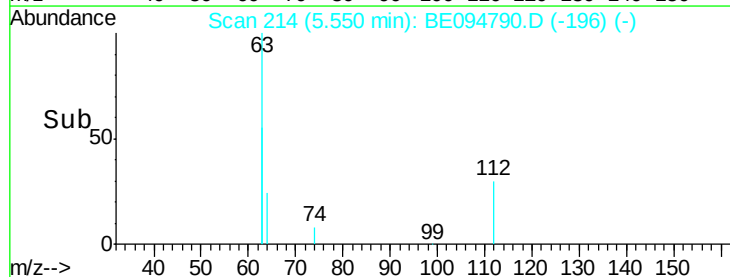
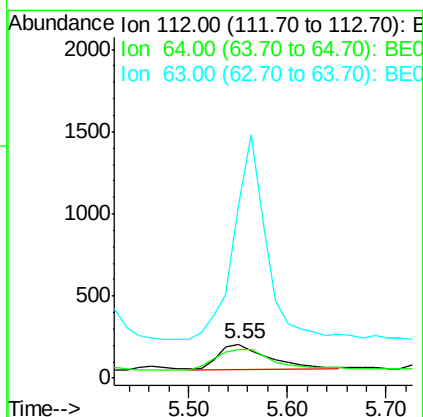
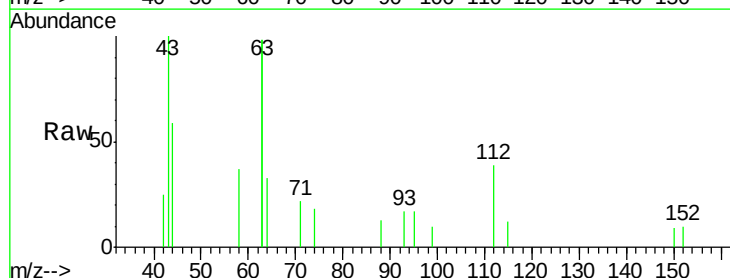
Tot Ion: 42 Resp: 111
Ion Ratio Lower Upper
42 100
74 4.5 100.3 150.5#
44 96.4 17.0 25.4#

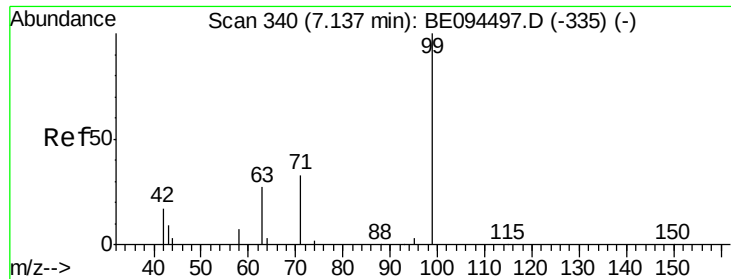


#4

2-Fluorophenol
Concen: 0.14 ng
RT: 5.55 min Scan# 214
Delta R.T. 0.02 min
Lab File: BE094790.D
Acq: 8 Nov 2017 19:29

Tgt Ion: 112 Resp: 530
Ion Ratio Lower Upper
112 100
64 96.2 60.1 90.1#
63 530.8 116.8 175.2#





#5

Phenol-d6

Concen: 0.12 ng

RT: 7.14 min Scan# 340

Delta R.T. -0.00 min

Lab File: BE094790.D

Acq: 8 Nov 2017 19:29

Instrument :

BNA_E

ClientSampled :

MW-4

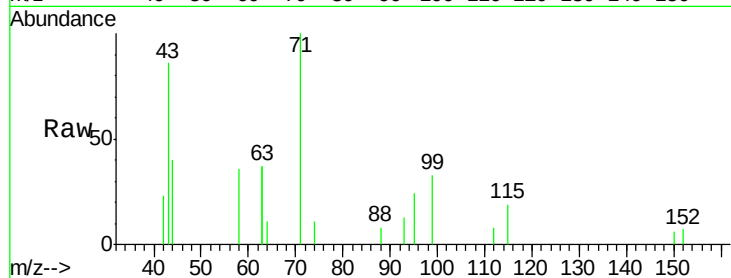
Tot Ion: 99 Resp: 674

Ion Ratio Lower Upper

99 100

42 24.8 20.2 30.2

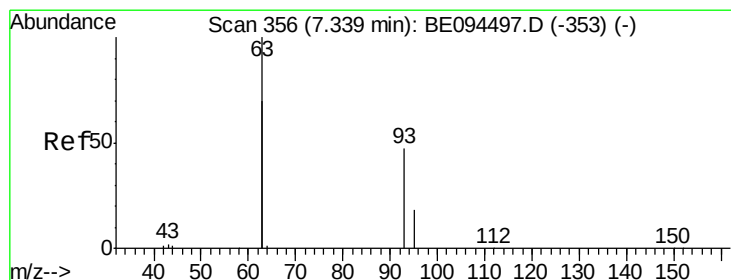
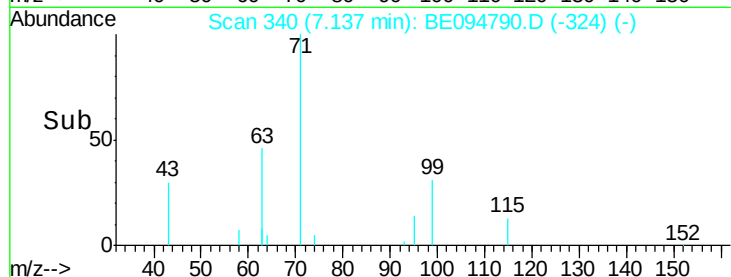
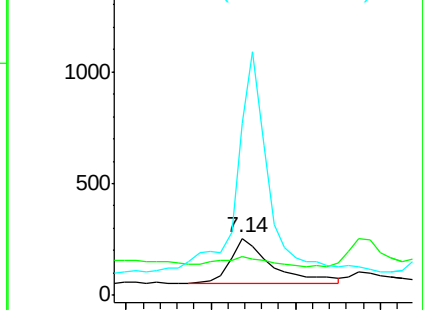
71 393.5 28.4 42.6#



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: 0.44 ng

RT: 7.25 min Scan# 349

Delta R.T. -0.09 min

Lab File: BE094790.D

Acq: 8 Nov 2017 19:29

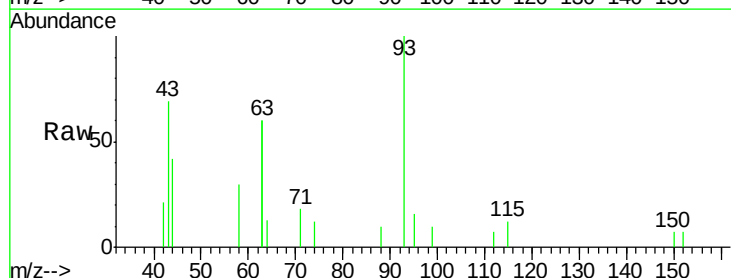
Tgt Ion: 93 Resp: 1955

Ion Ratio Lower Upper

93 100

63 0.0 275.3 412.9#

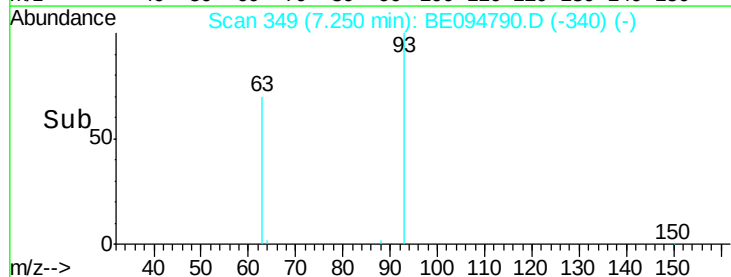
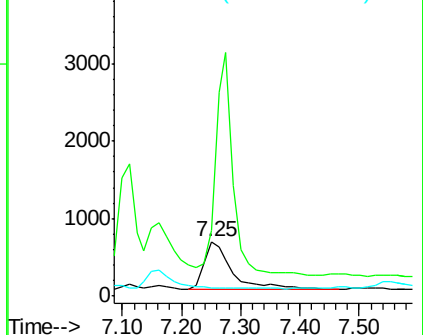
95 0.0 25.2 37.8#

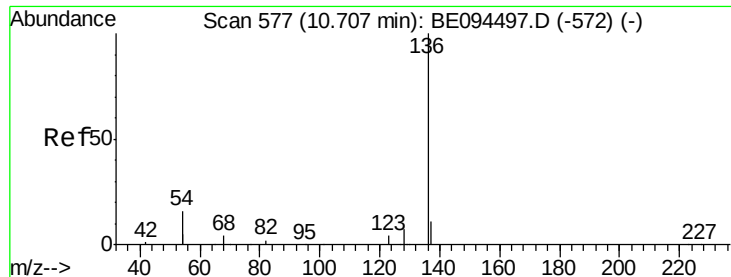


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 0.40 ng

RT: 10.69 min Scan# 576

Delta R.T. -0.02 min

Lab File: BE094790.D

Acq: 8 Nov 2017 19:29

Instrument :

BNA_E

ClientSampleId :

MW-4

Tot Ion:136 Resp: 6803

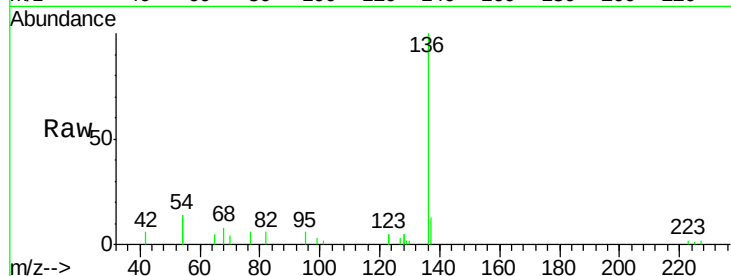
Ion Ratio Lower Upper

136 100

137 12.7 9.5 14.3

54 29.0 29.1 43.7#

68 7.5 6.2 9.2

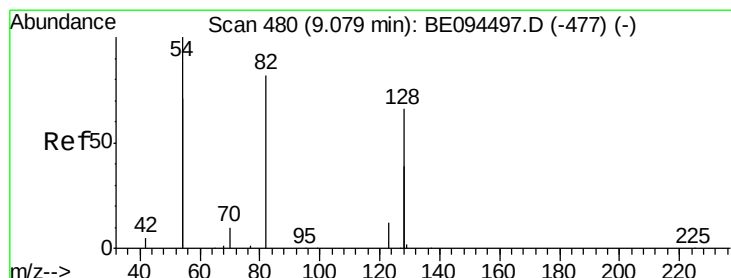
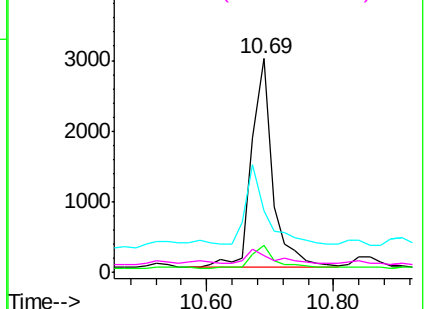
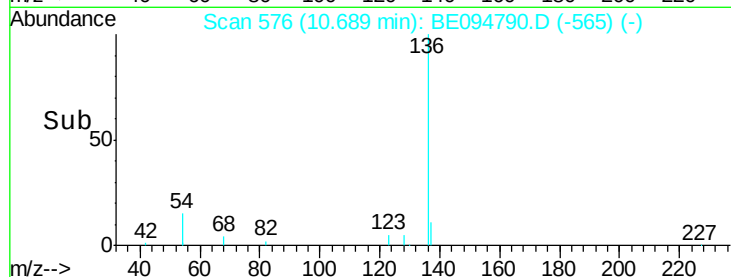


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.47 ng

RT: 9.08 min Scan# 480

Delta R.T. -0.00 min

Lab File: BE094790.D

Acq: 8 Nov 2017 19:29

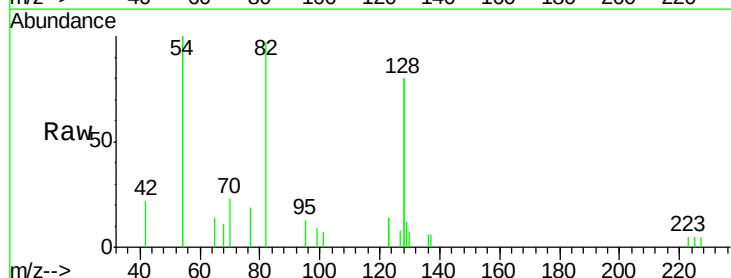
Tgt Ion: 82 Resp: 2545

Ion Ratio Lower Upper

82 100

128 163.9 150.0 225.0

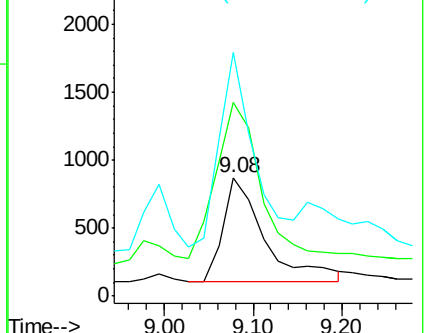
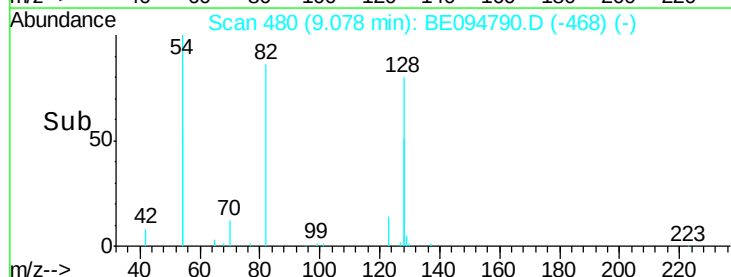
54 206.0 154.2 231.4

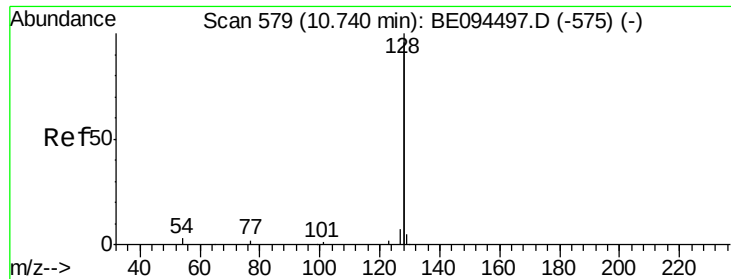


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.04 ng

RT: 10.74 min Scan# 579

Delta R.T. -0.00 min

Lab File: BE094790.D

Acq: 8 Nov 2017 19:29

Instrument :

BNA_E

ClientSampleId :

MW-4

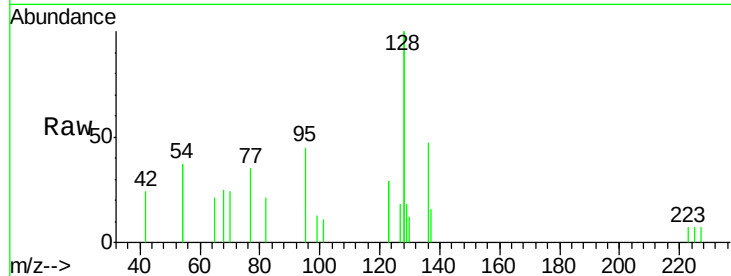
Tot Ion:128 Resp: 3423

Ion Ratio Lower Upper

128 100

129 8.8 2.6 3.8#

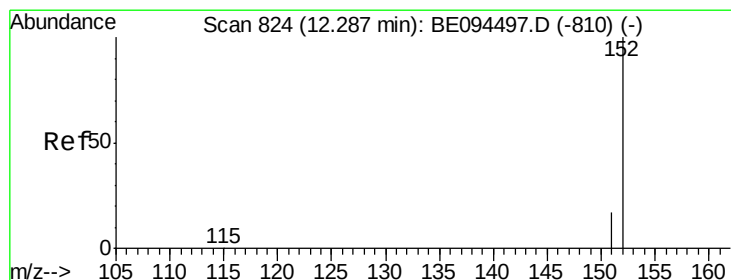
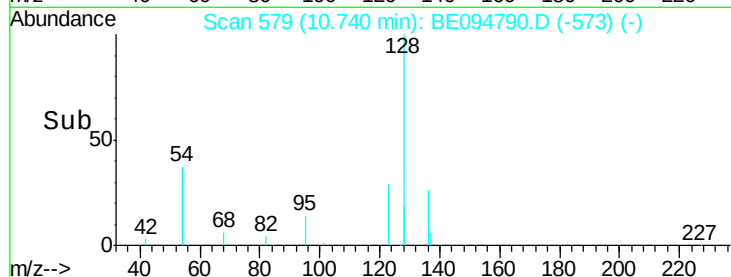
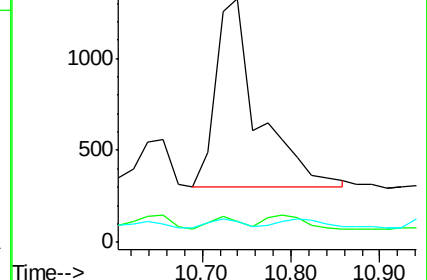
127 8.8 2.8 4.2#



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: 0.38 ng

RT: 12.27 min Scan# 819

Delta R.T. -0.02 min

Lab File: BE094790.D

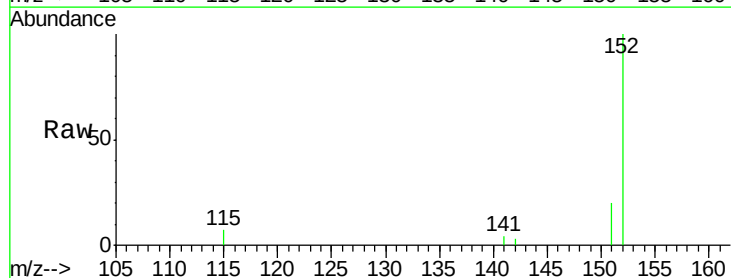
Acq: 8 Nov 2017 19:29

Tgt Ion:152 Resp: 4122

Ion Ratio Lower Upper

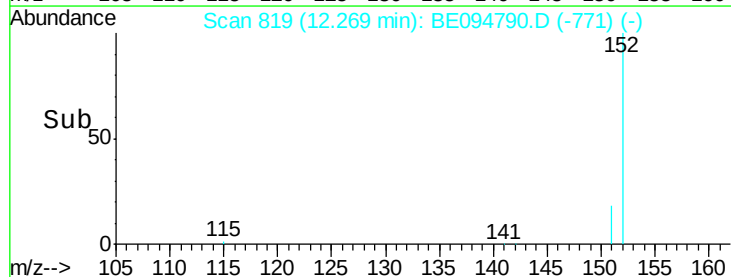
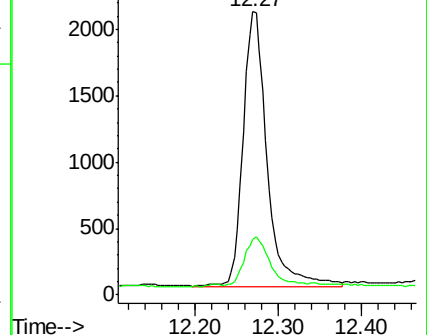
152 100

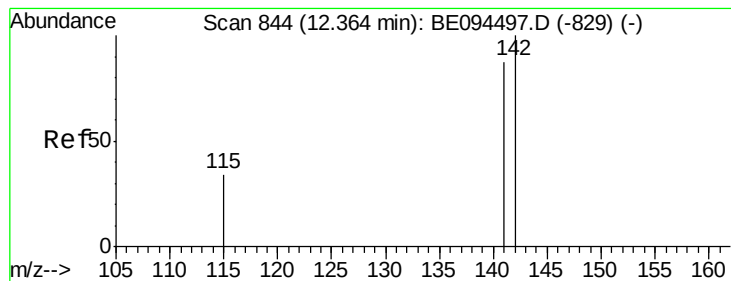
151 18.2 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E





#12

2-Methylnaphthalene

Concen: 0.02 ng

RT: 12.35 min Scan# 839

Delta R.T. -0.02 min

Lab File: BE094790.D

Acq: 8 Nov 2017 19:29

Instrument :

BNA_E

ClientSampled :

MW-4

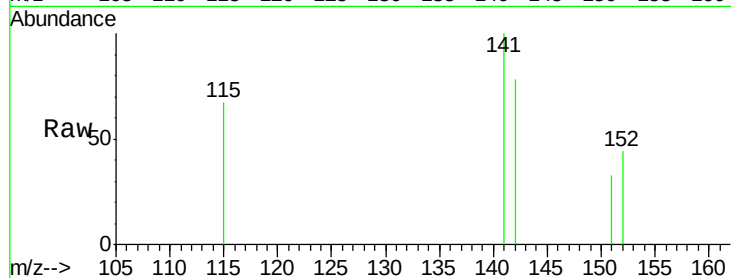
Tot Ion:142 Resp: 268

Ion Ratio Lower Upper

142 100

141 128.8 70.4 105.6#

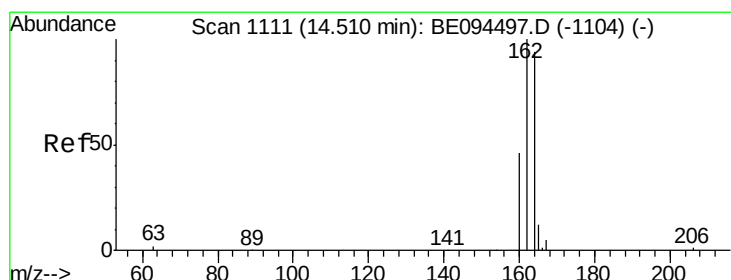
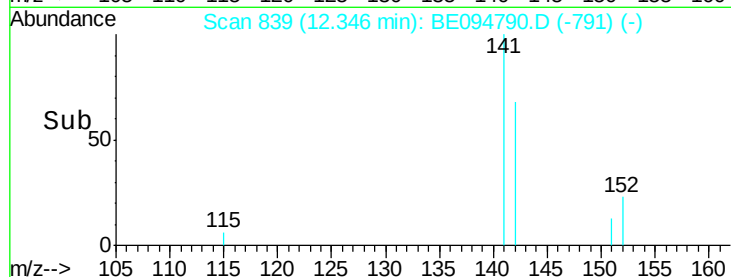
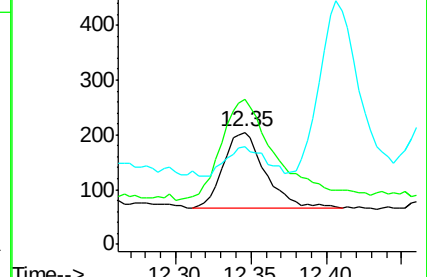
115 86.8 31.7 47.5#



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: 0.40 ng

RT: 14.51 min Scan# 1110

Delta R.T. -0.00 min

Lab File: BE094790.D

Acq: 8 Nov 2017 19:29

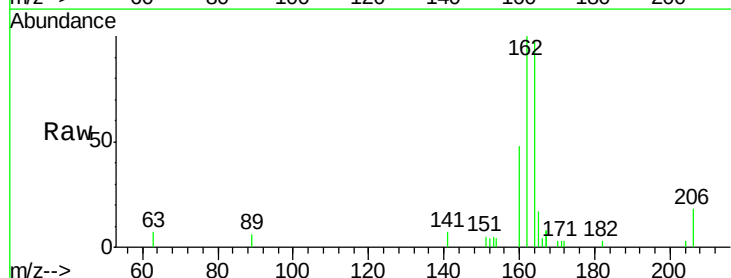
Tgt Ion:164 Resp: 4054

Ion Ratio Lower Upper

164 100

162 102.3 83.1 124.7

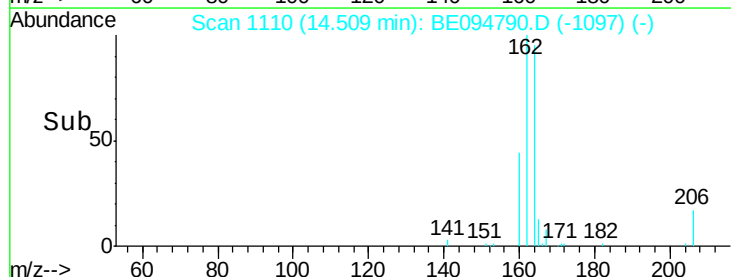
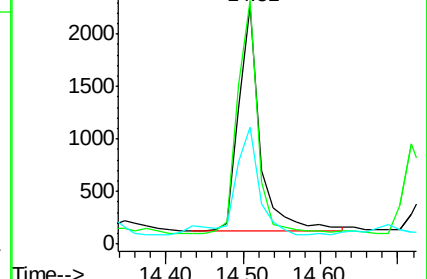
160 49.4 37.1 55.7

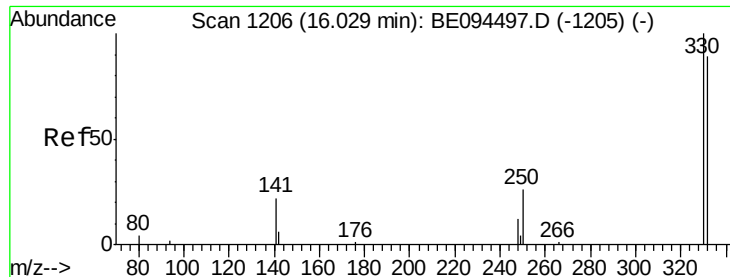


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

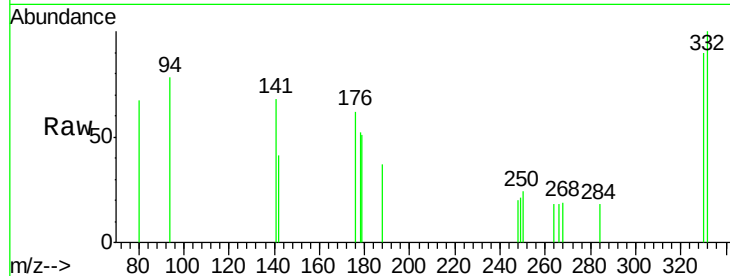




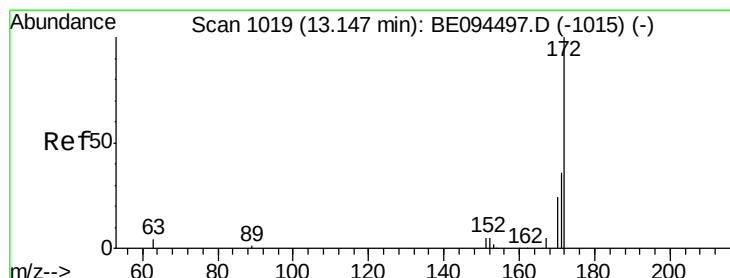
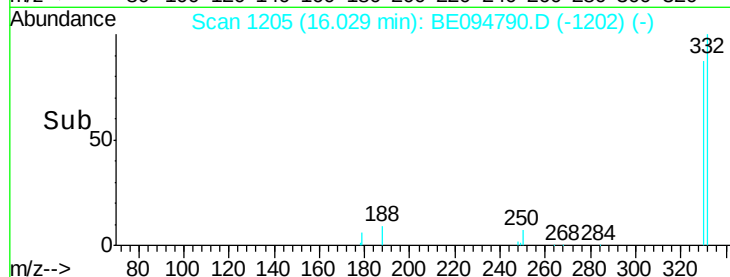
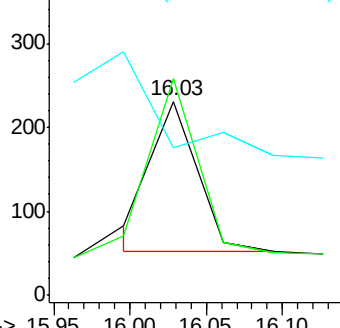
#14
 2,4,6-Tribromophenol
 Concen: 0.33 ng
 RT: 16.03 min Scan# 1205
 Delta R.T. -0.00 min
 Lab File: BE094790.D
 Acq: 8 Nov 2017 19:29

Instrument :
 BNA_E
 ClientSampleId :
 MW-4

Tot Ion:330 Resp: 372
 Ion Ratio Lower Upper
 330 100
 332 115.1 152.7 229.1#
 141 0.0 33.7 50.5#

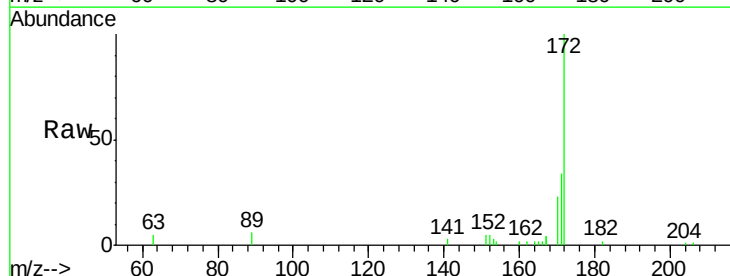


Abundance Ion 330.00 (329.70 to 330.70): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

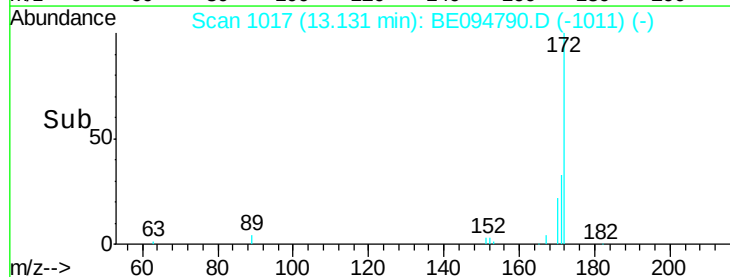
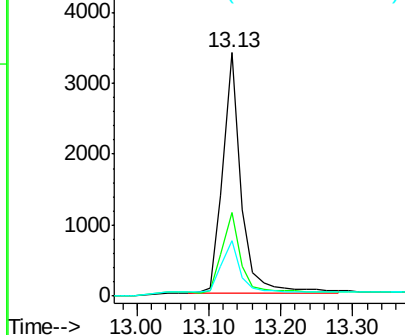


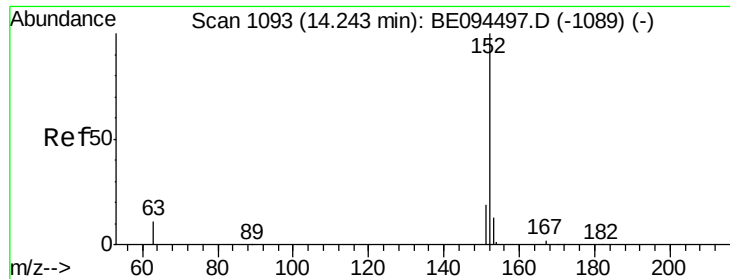
#15
 2-Fluorobiphenyl
 Concen: 0.42 ng
 RT: 13.13 min Scan# 1017
 Delta R.T. -0.02 min
 Lab File: BE094790.D
 Acq: 8 Nov 2017 19:29

Tgt Ion:172 Resp: 5979
 Ion Ratio Lower Upper
 172 100
 171 34.3 29.9 44.9
 170 23.0 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

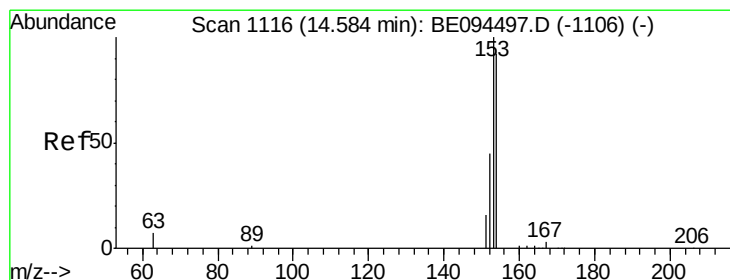
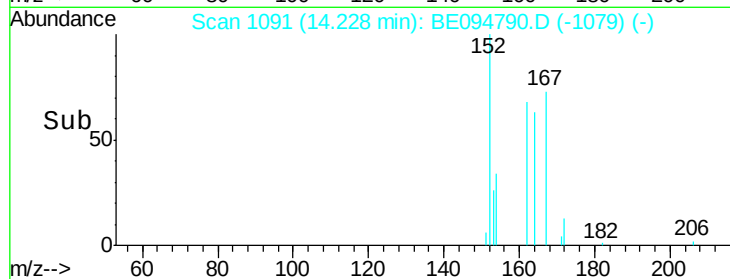
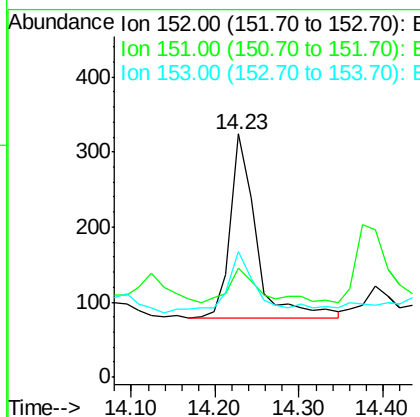
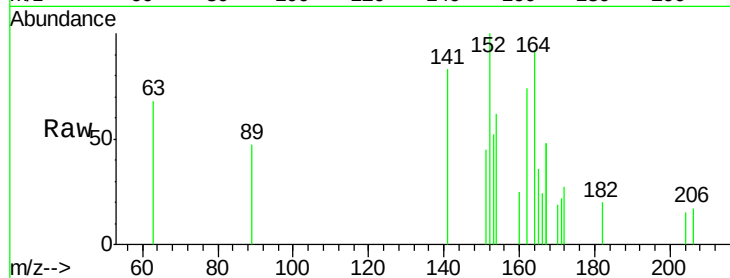




#16
Acenaphthylene
Concen: 0.02 ng
RT: 14.23 min Scan# 1091
Delta R.T. -0.02 min
Lab File: BE094790.D
Acq: 8 Nov 2017 19:29

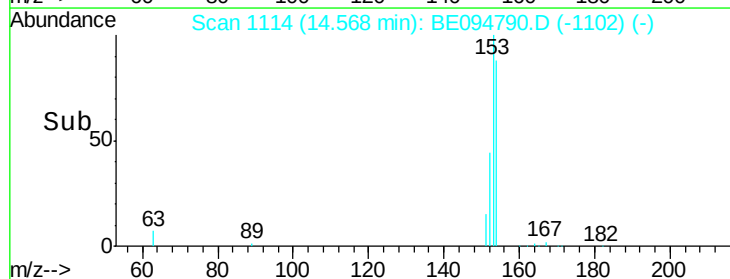
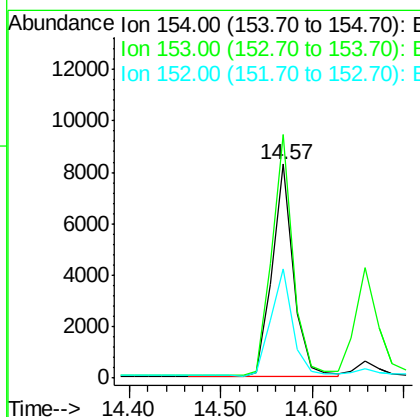
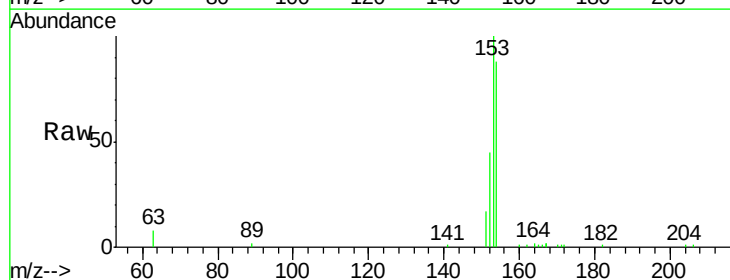
Instrument :
BNA_E
ClientSampleId :
MW-4

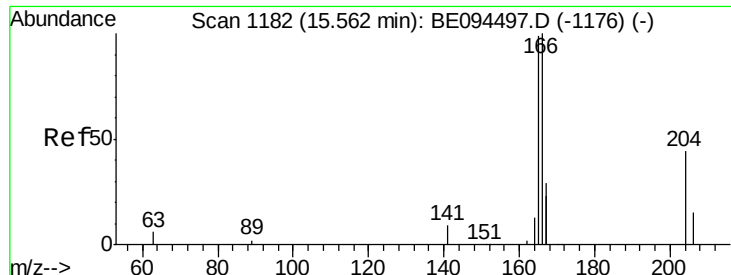
Tot Ion:152 Resp: 530
Ion Ratio Lower Upper
152 100
151 18.3 15.7 23.5
153 34.9 10.5 15.7#



#17
Acenaphthene
Concen: 0.96 ng
RT: 14.57 min Scan# 1114
Delta R.T. -0.02 min
Lab File: BE094790.D
Acq: 8 Nov 2017 19:29

Tgt Ion:154 Resp: 13223
Ion Ratio Lower Upper
154 100
153 113.5 89.2 133.8
152 52.0 42.0 63.0

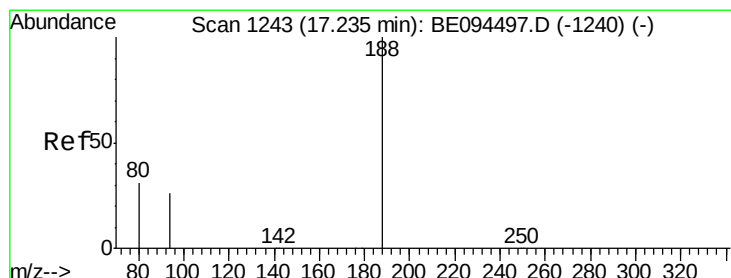
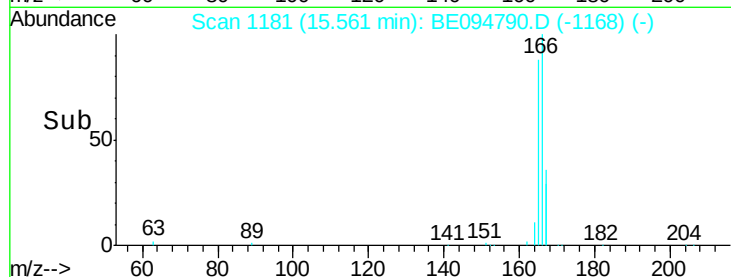
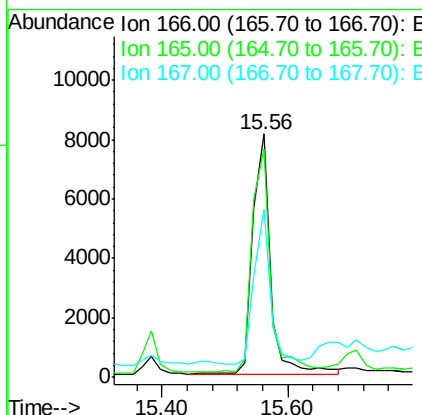
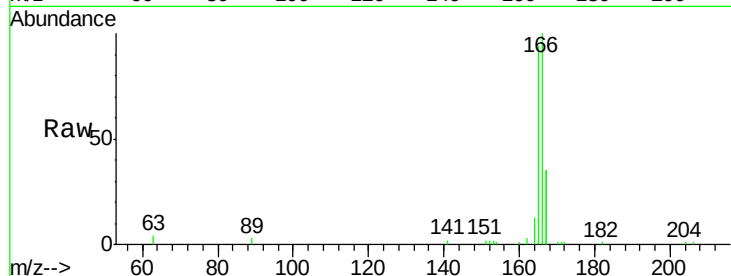




#18
 Fluorene
 Concen: 0.88 ng
 RT: 15.56 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: BE094790.D
 Acq: 8 Nov 2017 19:29

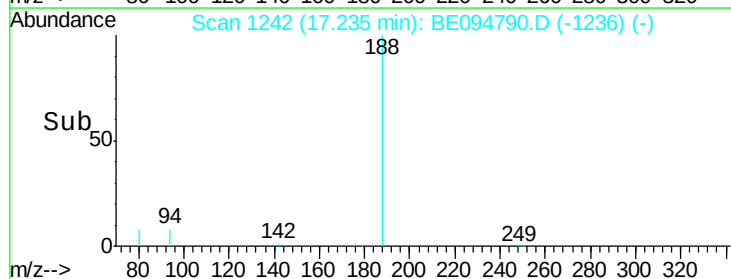
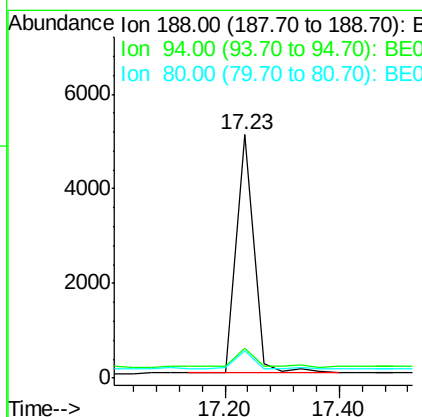
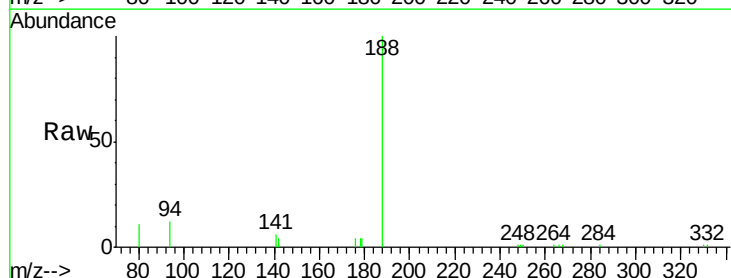
Instrument :
 BNA_E
 ClientSampleId :
 MW-4

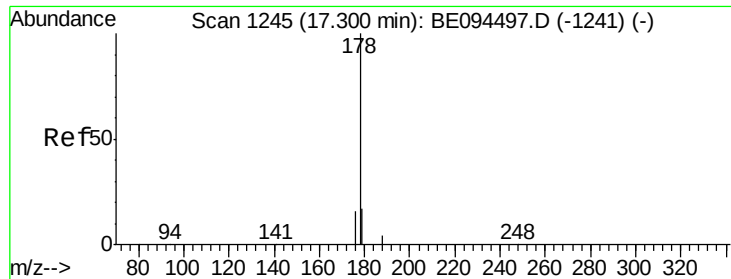
Tot Ion:166 Resp: 15547
 Ion Ratio Lower Upper
 166 100
 165 95.6 77.8 116.6
 167 59.2 42.4 63.6



#19
 Phenanthrene-d10
 Concen: 0.40 ng
 RT: 17.23 min Scan# 1242
 Delta R.T. -0.00 min
 Lab File: BE094790.D
 Acq: 8 Nov 2017 19:29

Tgt Ion:188 Resp: 10547
 Ion Ratio Lower Upper
 188 100
 94 12.2 3.9 5.9#
 80 11.3 3.6 5.4#





#23

Phenanthrene

Concen: 1.07 ng

RT: 17.36 min Scan# 1246

Delta R.T. 0.06 min

Lab File: BE094790.D

Acq: 8 Nov 2017 19:29

Instrument :

BNA_E

ClientSampleId :

MW-4

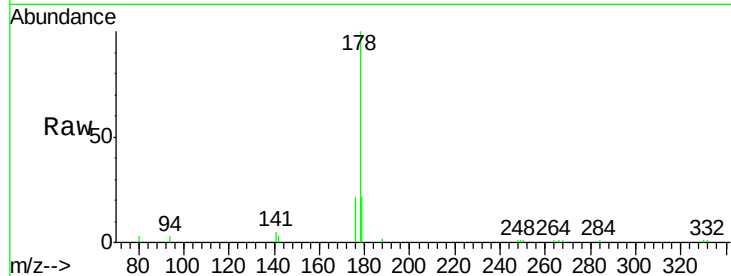
Tot Ion:178 Resp: 27205

Ion Ratio Lower Upper

178 100

176 19.1 15.1 22.7

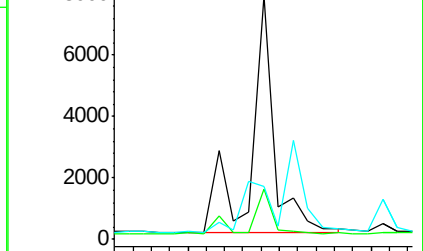
179 0.0 11.8 17.6#



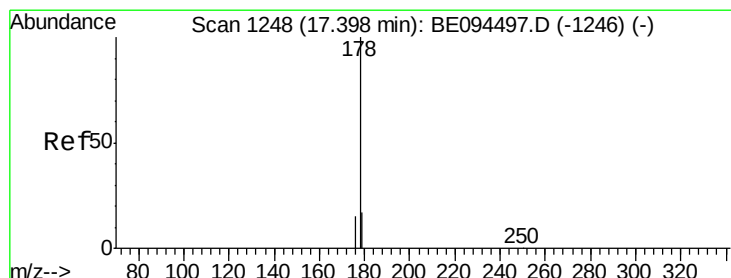
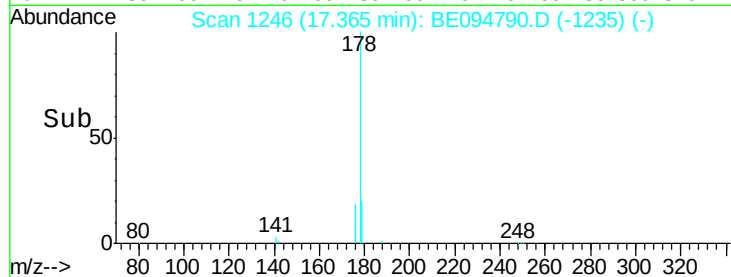
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#24

Anthracene

Concen: 0.88 ng

RT: 17.36 min Scan# 1246

Delta R.T. -0.03 min

Lab File: BE094790.D

Acq: 8 Nov 2017 19:29

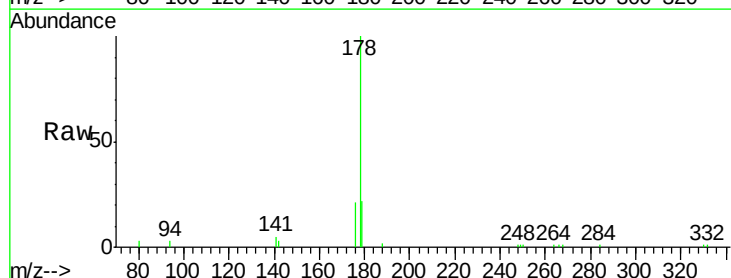
Tgt Ion:178 Resp: 27360

Ion Ratio Lower Upper

178 100

176 17.2 12.8 19.2

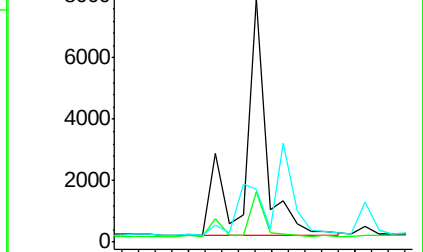
179 0.0 13.0 19.6#



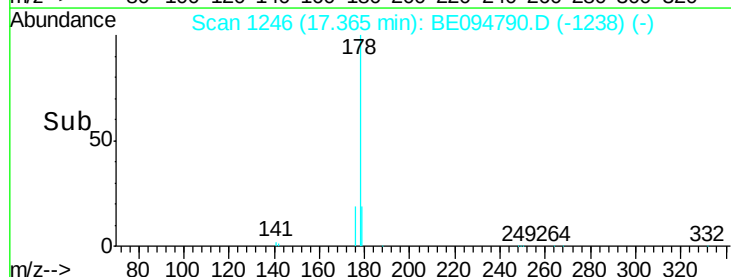
Abundance Ion 178.00 (177.70 to 178.70): E

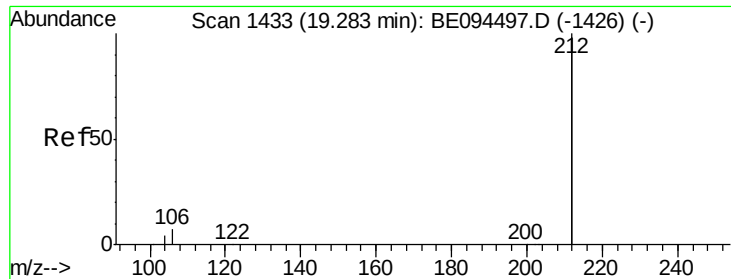
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->

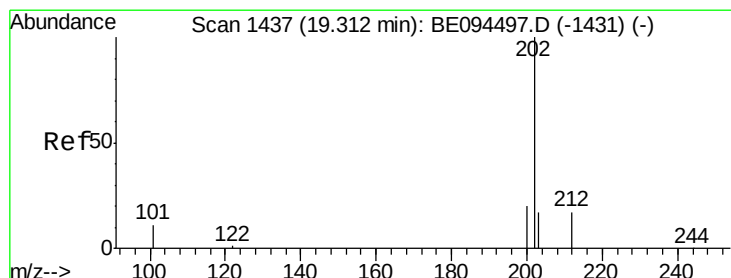
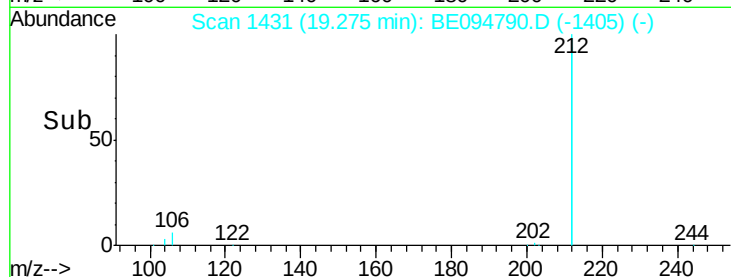
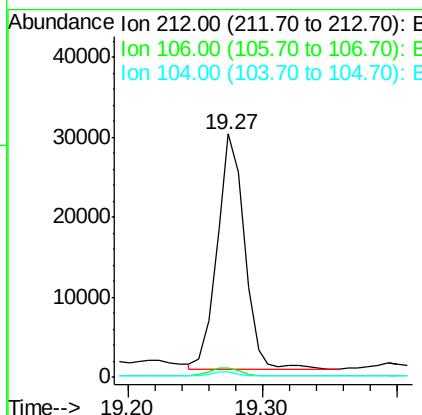
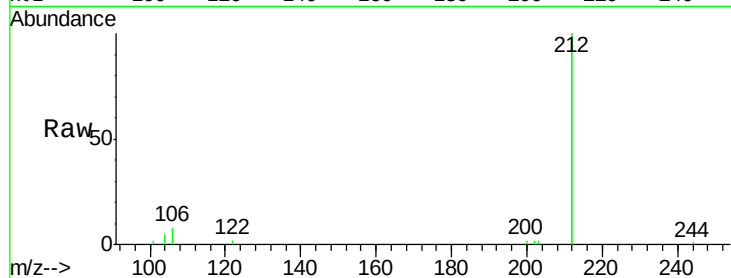




#25
Fluoranthene-d10
Concen: 0.30 ng
RT: 19.27 min Scan# 1431
Delta R.T. -0.01 min
Lab File: BE094790.D
Acq: 8 Nov 2017 19:29

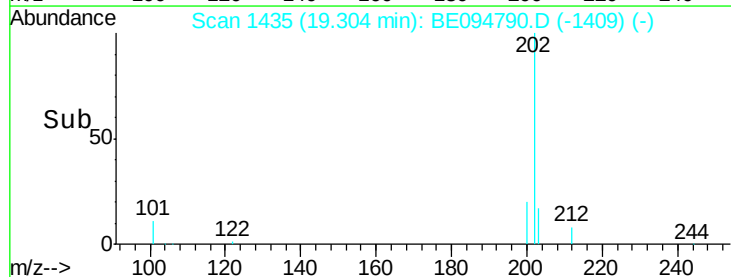
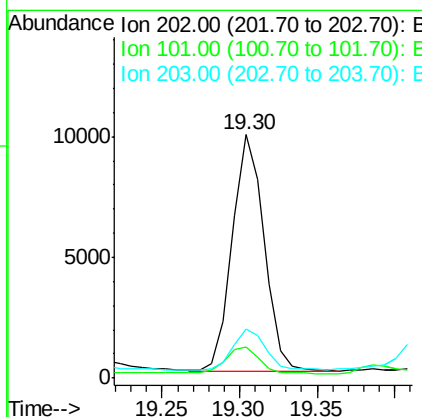
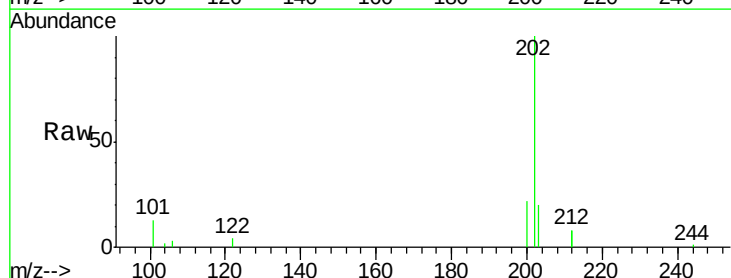
Instrument :
BNA_E
ClientSampleId :
MW-4

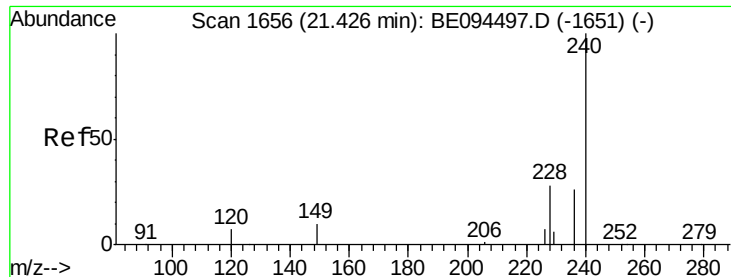
Tot Ion:212 Resp: 41736
Ion Ratio Lower Upper
212 100
106 3.6 2.8 4.2
104 2.1 1.6 2.4



#26
Fluoranthene
Concen: 0.34 ng
RT: 19.30 min Scan# 1435
Delta R.T. -0.01 min
Lab File: BE094790.D
Acq: 8 Nov 2017 19:29

Tgt Ion:202 Resp: 13909
Ion Ratio Lower Upper
202 100
101 12.0 9.8 14.8
203 17.0 13.7 20.5





#27

Chrysene-d12

Concen: 0.40 ng

RT: 21.43 min Scan# 1655

Delta R.T. 0.00 min

Lab File: BE094790.D

Acq: 8 Nov 2017 19:29

Instrument :

BNA_E

ClientSampleId :

MW-4

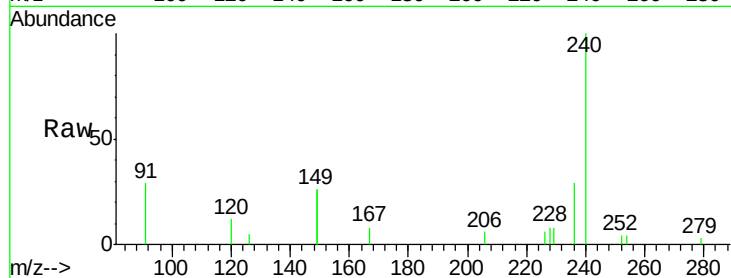
Tot Ion:240 Resp: 8262

Ion Ratio Lower Upper

240 100

120 12.3 5.5 8.3#

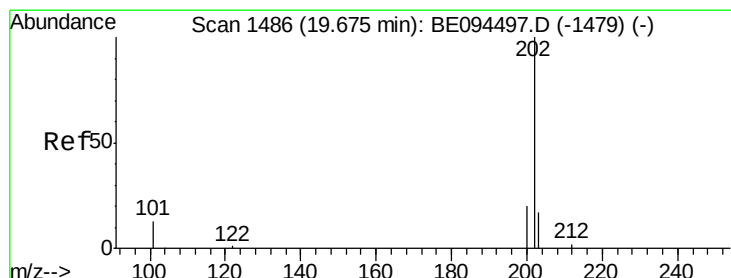
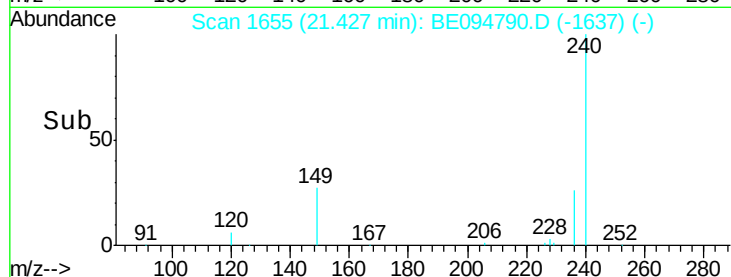
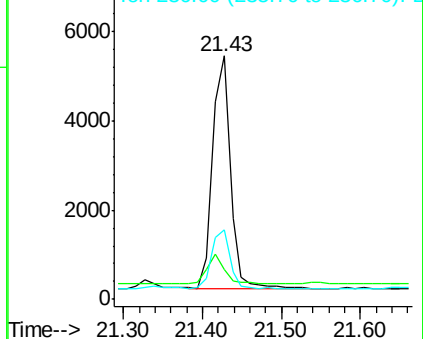
236 28.6 20.7 31.1



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: 0.56 ng

RT: 19.67 min Scan# 1484

Delta R.T. -0.01 min

Lab File: BE094790.D

Acq: 8 Nov 2017 19:29

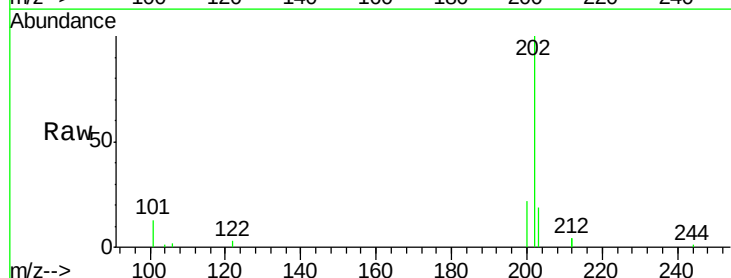
Tgt Ion:202 Resp: 16258

Ion Ratio Lower Upper

202 100

200 20.9 16.6 25.0

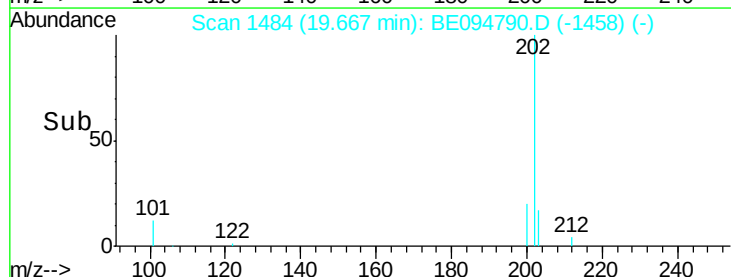
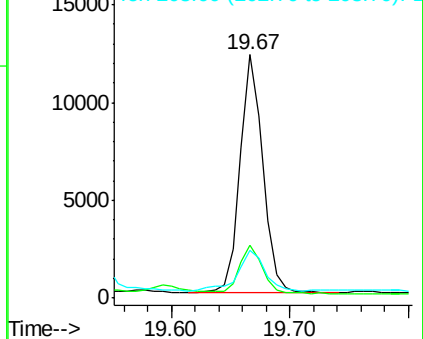
203 19.8 13.8 20.8

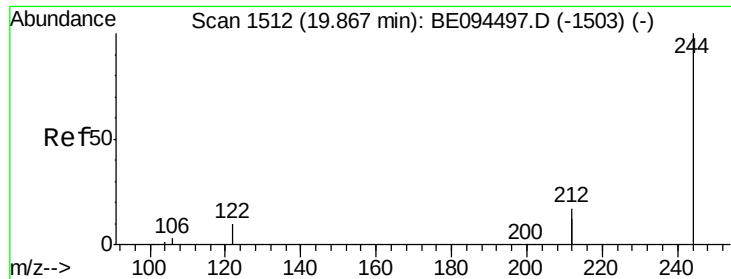


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.54 ng

RT: 19.85 min Scan# 1509

Delta R.T. -0.02 min

Lab File: BE094790.D

Acq: 8 Nov 2017 19:29

Instrument :

BNA_E

ClientSampleId :

MW-4

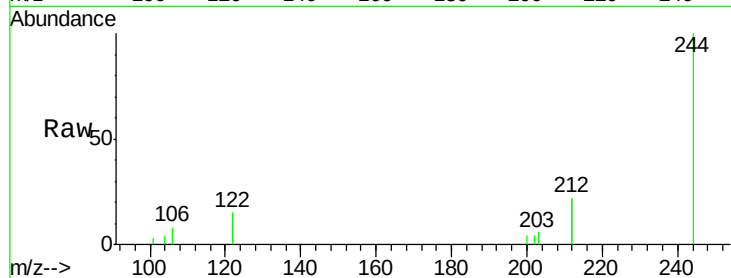
Tot Ion:244 Resp: 8478

Ion Ratio Lower Upper

244 100

212 43.2 25.4 38.0#

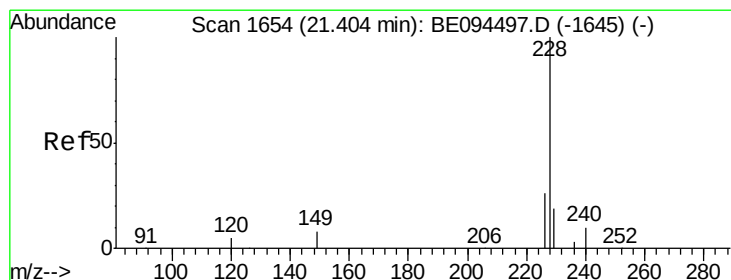
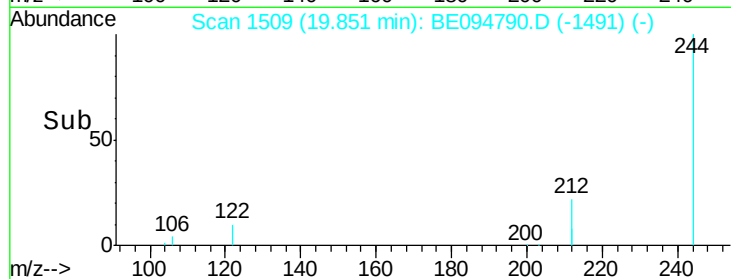
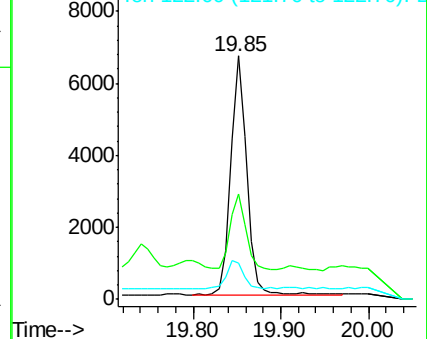
122 14.8 8.1 12.1#



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



#30

Benzo(a)anthracene

Concen: 0.05 ng

RT: 21.40 min Scan# 1653

Delta R.T. 0.00 min

Lab File: BE094790.D

Acq: 8 Nov 2017 19:29

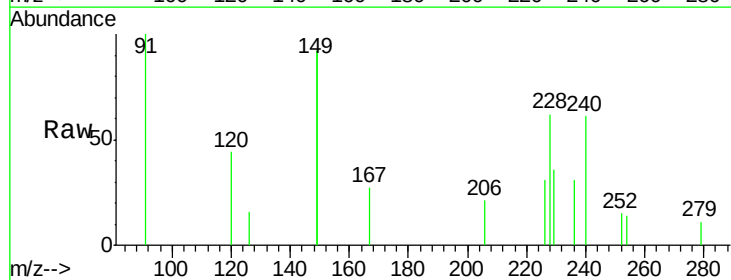
Tgt Ion:228 Resp: 1213

Ion Ratio Lower Upper

228 100

226 49.6 40.0 60.0

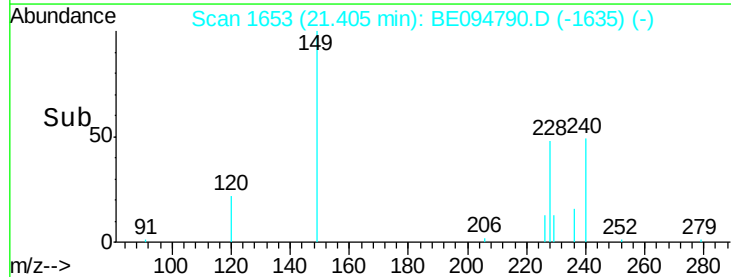
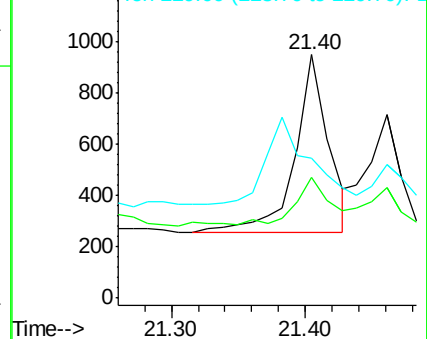
229 57.4 40.0 60.0

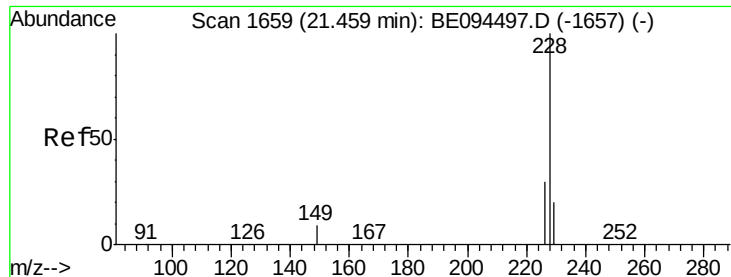


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.04 ng

RT: 21.40 min Scan# 1653

Delta R.T. -0.05 min

Lab File: BE094790.D

Acq: 8 Nov 2017 19:29

Instrument :

BNA_E

ClientSampleId :

MW-4

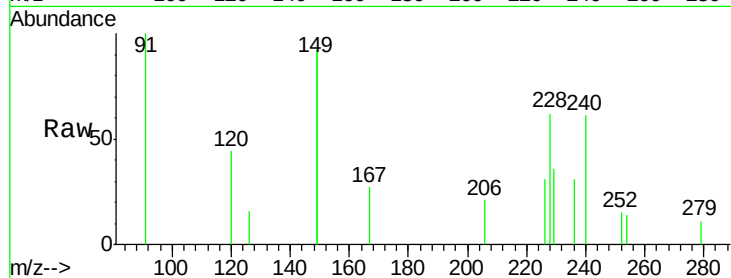
Tot Ion:228 Resp: 1203

Ion Ratio Lower Upper

228 100

226 49.6 40.0 60.0

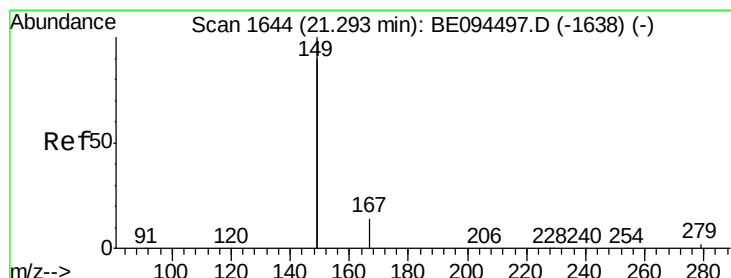
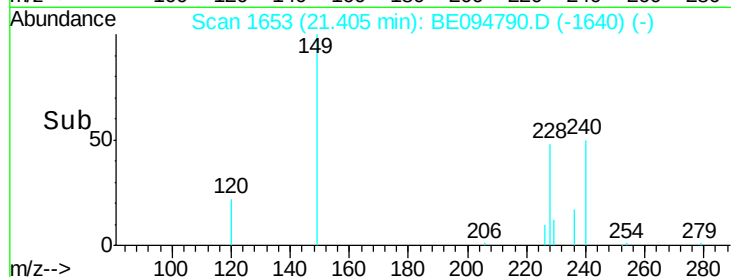
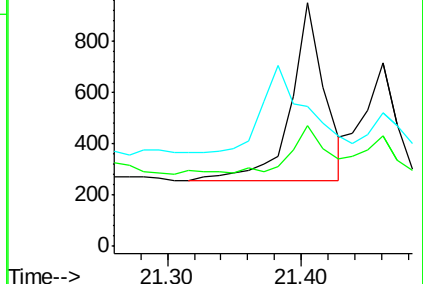
229 57.4 40.0 60.0



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.23 ng

RT: 21.28 min Scan# 1642

Delta R.T. -0.01 min

Lab File: BE094790.D

Acq: 8 Nov 2017 19:29

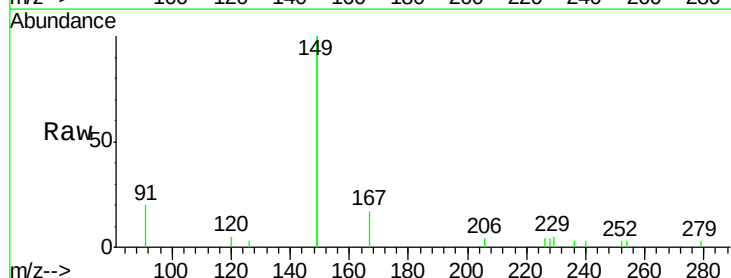
Tgt Ion:149 Resp: 15023

Ion Ratio Lower Upper

149 100

167 7.5 5.4 8.0

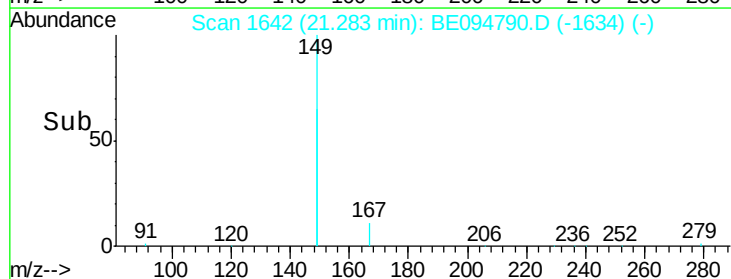
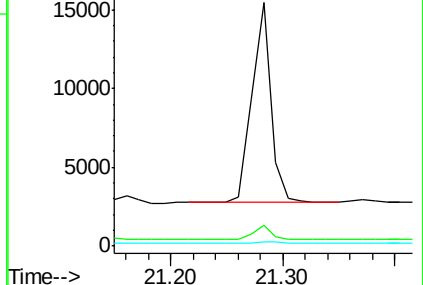
279 1.1 0.7 1.1

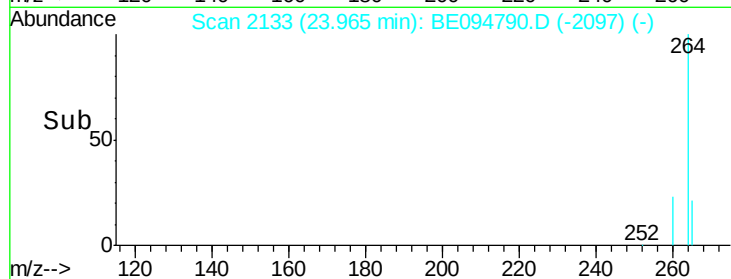
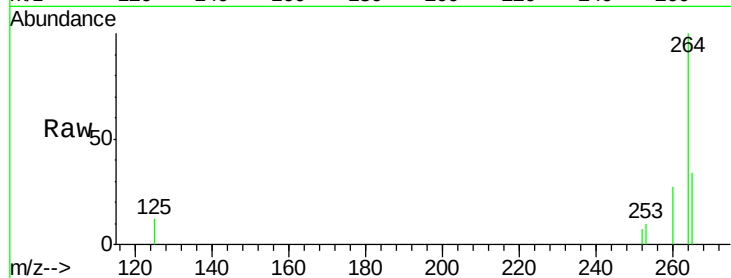
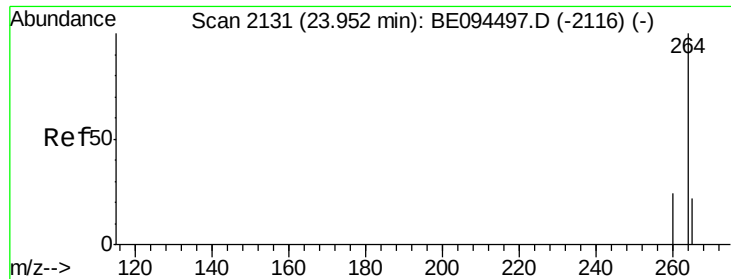


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#34

Pervlene-d12

Concen: 0.40 ng

RT: 23.96 min Scan# 2133

Delta R.T. 0.01 min

Lab File: BE094790.D

Acq: 8 Nov 2017 19:29

Instrument :

BNA_E

ClientSampleId :

MW-4

Tot Ion:264 Resp: 7324

Ion Ratio Lower Upper

264 100

260 26.6 20.5 30.7

265 33.8 22.8 34.2

