

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE012518\
 Data File : BE095111.D
 Acq On : 25 Jan 2018 11:52
 Operator : SJ/JU
 Sample : J1235-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 TW-3

Quant Time: Jan 25 19:20:53 2018
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE012318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 23 15:47:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.46	152	8367	0.40	ng	0.00
7) Naphthalene-d8	11.36	136	455349	0.40	ng	0.05
13) Acenaphthene-d10	15.11	164	6384	0.40	ng	0.07
19) Phenanthrene-d10	17.82	188	10189	0.40	ng	0.08
27) Chrysene-d12	21.84	240	18224	0.40	ng	0.00
34) Perylene-d12	24.48	264	17076	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	6.00	112	4228	0.31	ng	0.06
5) Phenol-d6	7.59	99	5222	0.25	ng	0.01
8) Nitrobenzene-d5	9.63	82	26642	0.06	ng	0.00
11) 2-Methylnaphthalene-d10	12.84	152	11497	0.02	ng	0.00
14) 2,4,6-Tribromophenol	0.00	330	0	0.00	ng	
15) 2-Fluorobiphenyl	0.00	172	0	0.00	ng	
25) Fluoranthene-d10	19.78	212	14637	0.11	ng	0.07
29) Terphenyl-d14	20.28	244	768847	20.61	ng	0.00

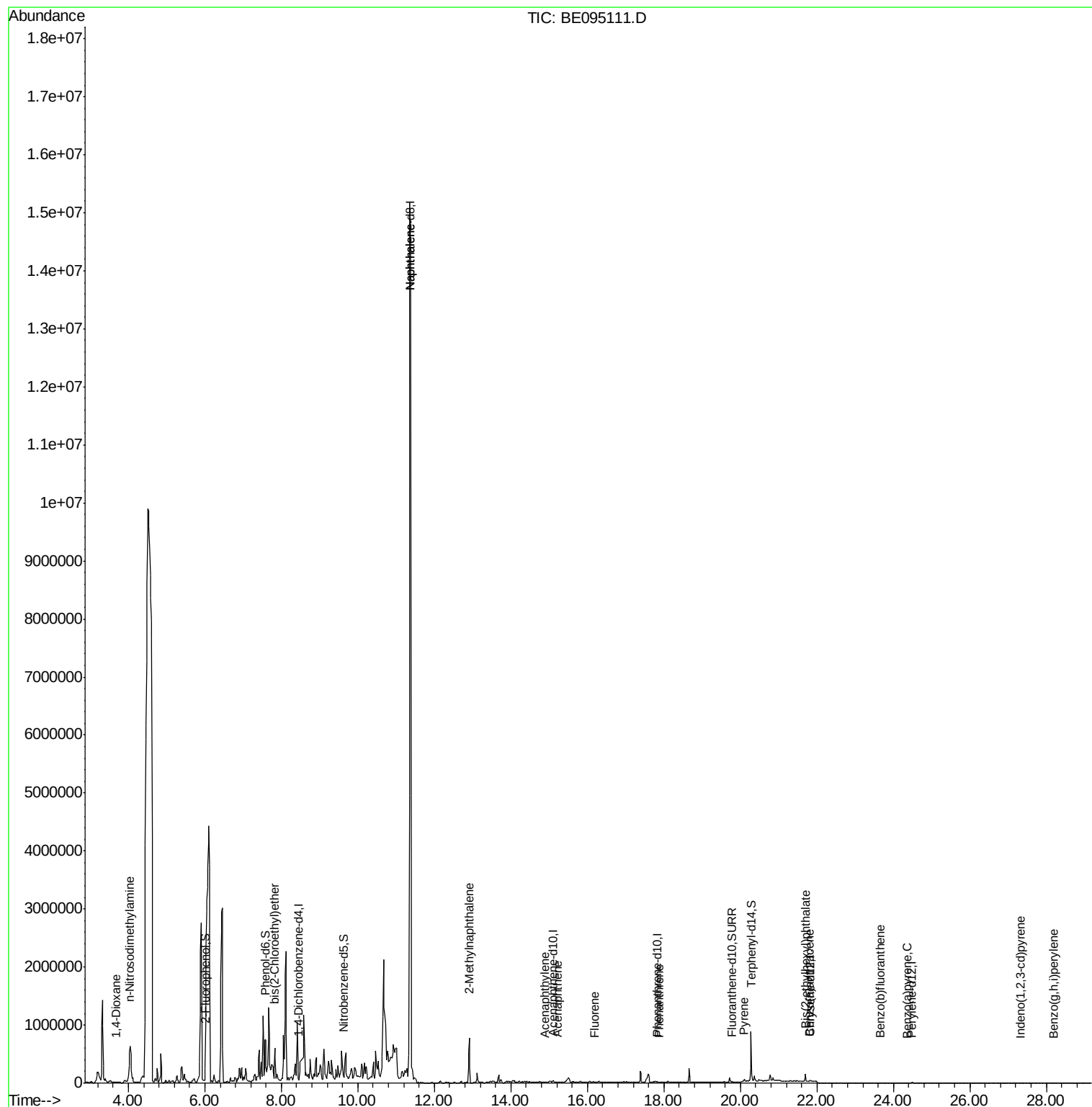
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.67	88	443	0.054	ng	# 62
3) n-Nitrosodimethylamine	4.04	42	151594	15.442	ng	# 1
6) bis(2-Chloroethyl)ether	7.83	93	19756	1.033	ng	# 1
9) Naphthalene	11.38	128	30920139	5.934	ng	100
12) 2-Methylnaphthalene	12.91	142	538568	0.603	ng	98
16) Acenaphthylene	14.88	152	1037	0.030	ng	# 1
17) Acenaphthene	15.22	154	655	0.029	ng	# 21
18) Fluorene	16.19	166	1103	0.040	ng	# 5
23) Phenanthrene	17.88	178	2971	0.094	ng	# 82
28) Pyrene	20.09	202	4253	0.055	ng	# 69
30) Benzo(a)anthracene	21.81	228	2050	0.036	ng	# 21
32) Bis(2-ethylhexyl)phthalate	21.70	149	176805	2.230	ng	99
33) Indeno(1,2,3-cd)pyrene	27.31	276	1208	0.023	ng	# 67
35) Benzo(b)fluoranthene	23.66	252	1925	0.032	ng	# 1
37) Benzo(a)pyrene	24.36	252	1299	0.023	ng	# 1
39) Benzo(g,h,i)perylene	28.19	276	1410	0.028	ng	# 34

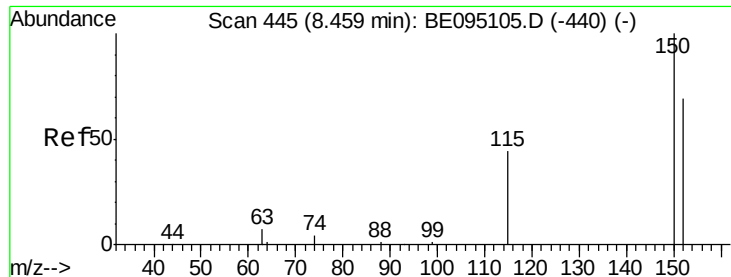
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 8.46 min Scan# 445

Delta R.T. -0.00 min

Lab File: BE095111.D

Acq: 25 Jan 2018 11:52

Instrument :

BNA_E

ClientSampleId :

TW-3

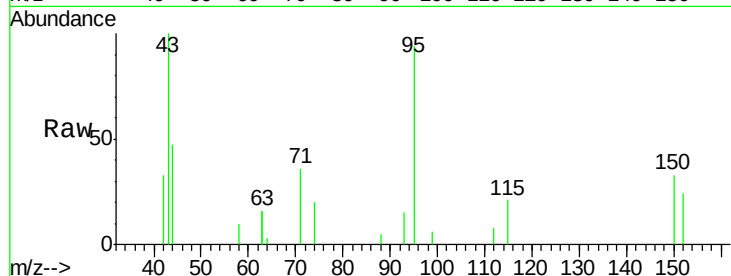
Tgt Ion:152 Resp: 8367

Ion Ratio Lower Upper

152 100

150 138.9 117.2 175.8

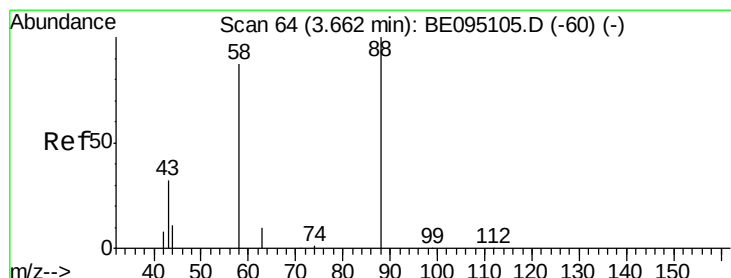
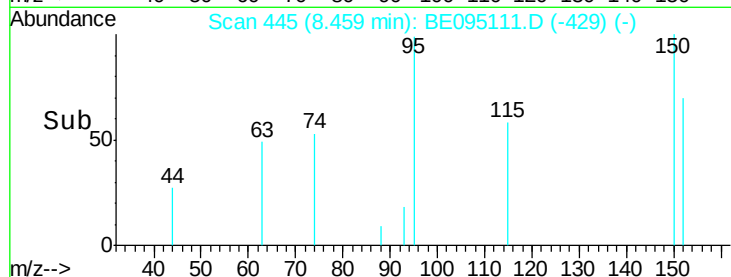
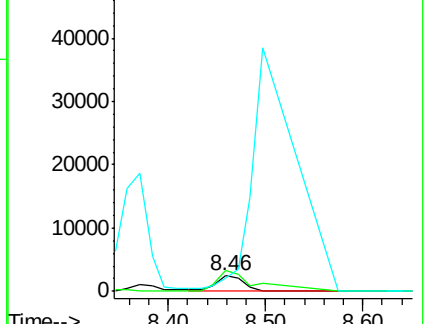
115 89.3 57.0 85.6#



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: 0.054 ng

RT: 3.67 min Scan# 65

Delta R.T. 0.01 min

Lab File: BE095111.D

Acq: 25 Jan 2018 11:52

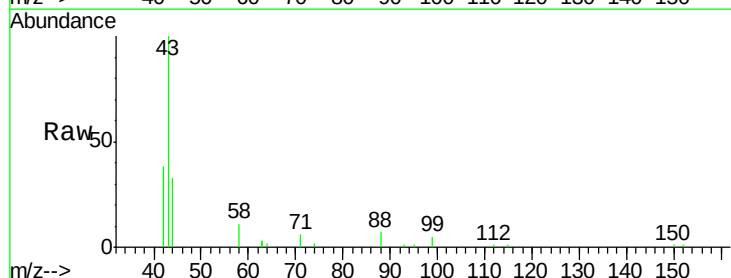
Tgt Ion: 88 Resp: 443

Ion Ratio Lower Upper

88 100

58 92.3 63.2 94.8

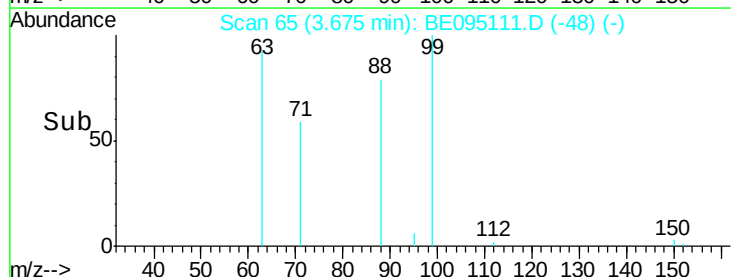
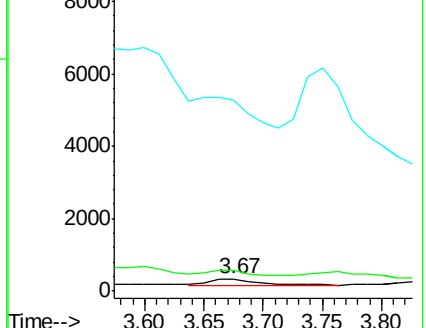
43 0.0 41.2 61.8#

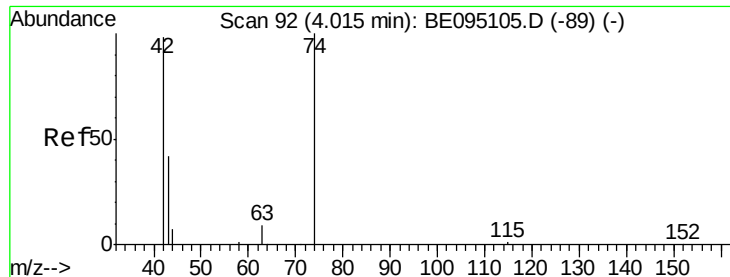


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 15.442 ng

RT: 4.04 min Scan# 94

Delta R.T. 0.02 min

Lab File: BE095111.D

Acq: 25 Jan 2018 11:52

Instrument :

BNA_E

ClientSampleId :

TW-3

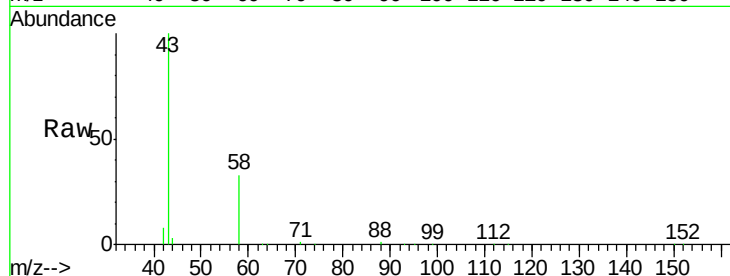
Tgt Ion: 42 Resp: 151594

Ion Ratio Lower Upper

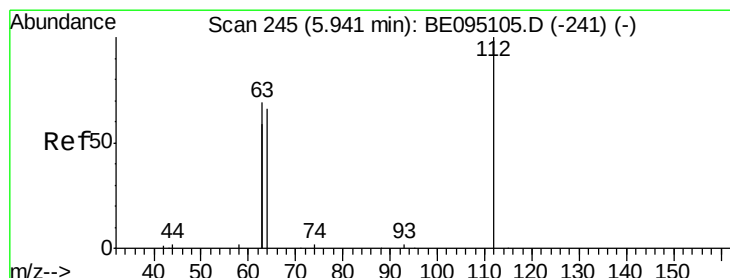
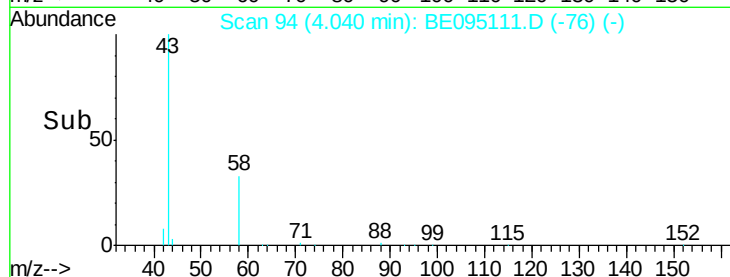
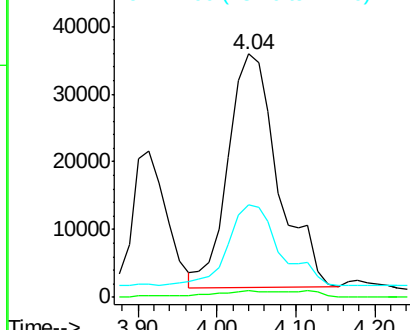
42 100

74 3.2 96.0 144.0#

44 37.8 12.0 18.0#



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: 0.312 ng

RT: 6.00 min Scan# 250

Delta R.T. 0.06 min

Lab File: BE095111.D

Acq: 25 Jan 2018 11:52

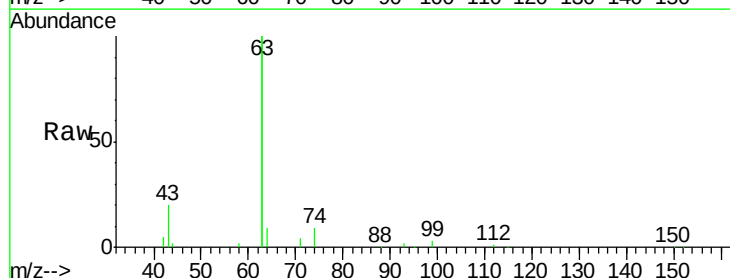
Tgt Ion: 112 Resp: 4228

Ion Ratio Lower Upper

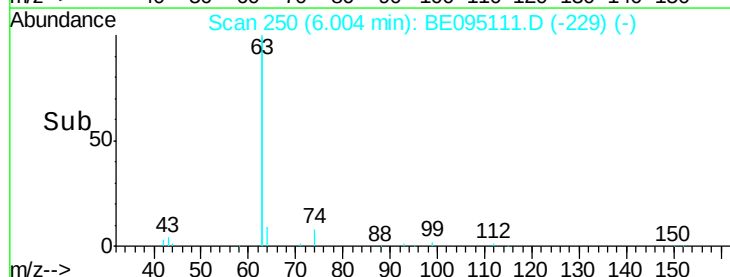
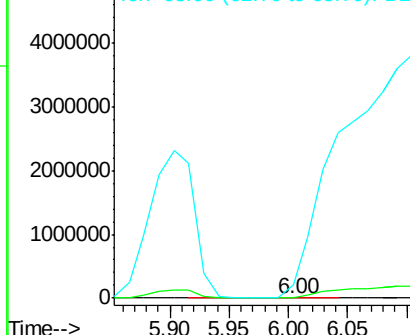
112 100

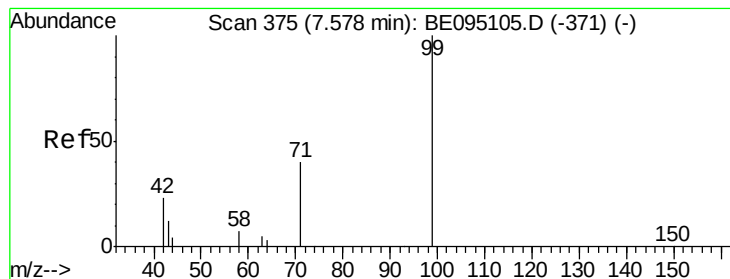
64 0.0 60.1 90.1#

63 0.0 116.8 175.2#



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BE0
Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.254 ng

RT: 7.59 min Scan# 376

Delta R.T. 0.01 min

Lab File: BE095111.D

Acq: 25 Jan 2018 11:52

Instrument :

BNA_E

ClientSampleId :

TW-3

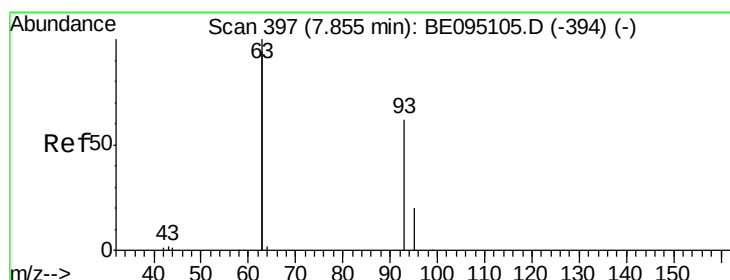
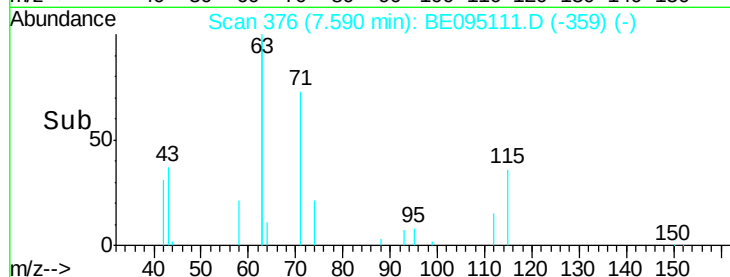
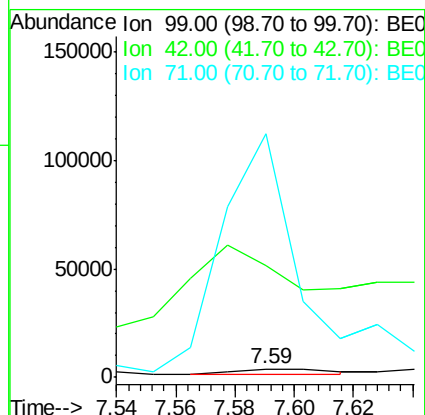
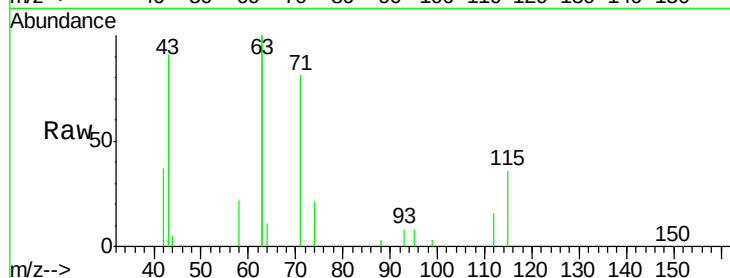
Tgt Ion: 99 Resp: 5222

Ion Ratio Lower Upper

99 100

42 3656.5 20.2 30.2#

71 4042.4 28.4 42.6#



#6

bis(2-Chloroethyl)ether

Concen: 1.033 ng

RT: 7.83 min Scan# 395

Delta R.T. -0.03 min

Lab File: BE095111.D

Acq: 25 Jan 2018 11:52

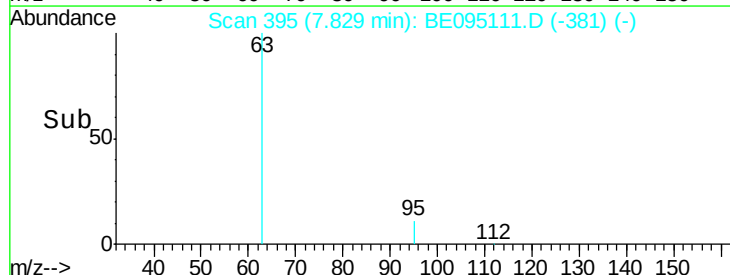
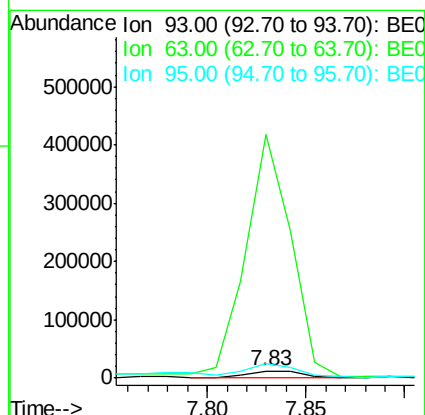
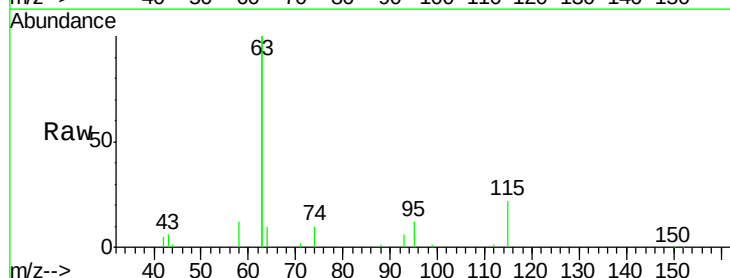
Tgt Ion: 93 Resp: 19756

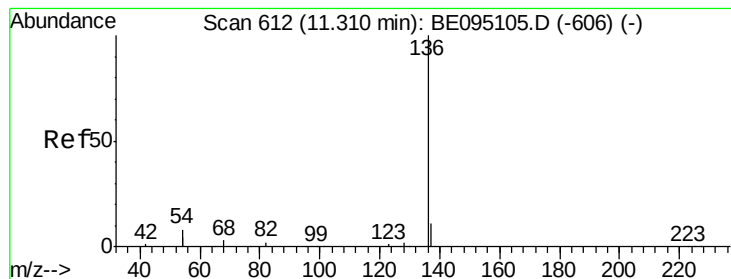
Ion Ratio Lower Upper

93 100

63 3412.2 275.3 412.9#

95 283.5 25.2 37.8#





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 11.36 min Scan# 615

Delta R.T. 0.05 min

Lab File: BE095111.D

Acq: 25 Jan 2018 11:52

Instrument :

BNA_E

ClientSampleId :

TW-3

Tgt Ion: 136 Resp: 455349

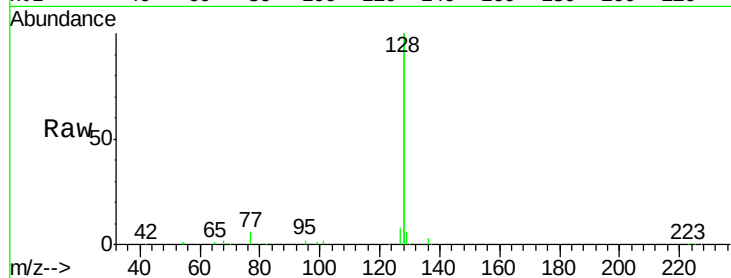
Ion Ratio Lower Upper

136 100

137 12.4 9.5 14.3

54 87.6 29.1 43.7#

68 67.9 6.2 9.2#

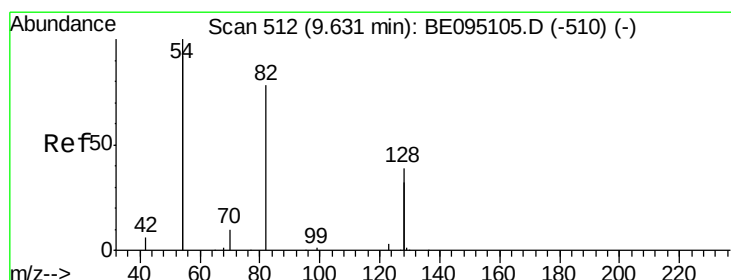
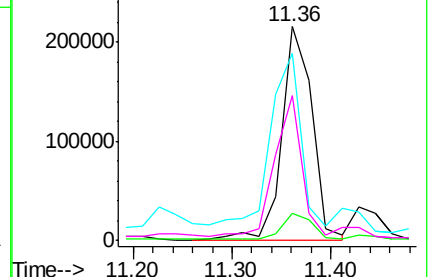
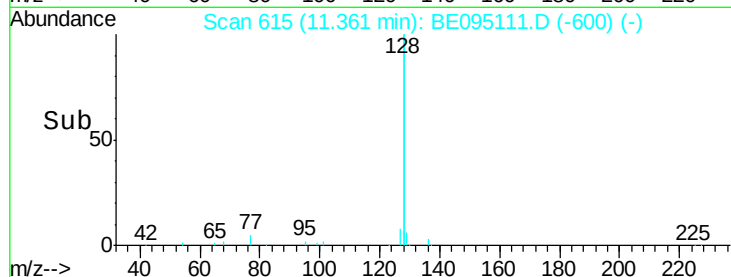


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.064 ng

RT: 9.63 min Scan# 512

Delta R.T. 0.00 min

Lab File: BE095111.D

Acq: 25 Jan 2018 11:52

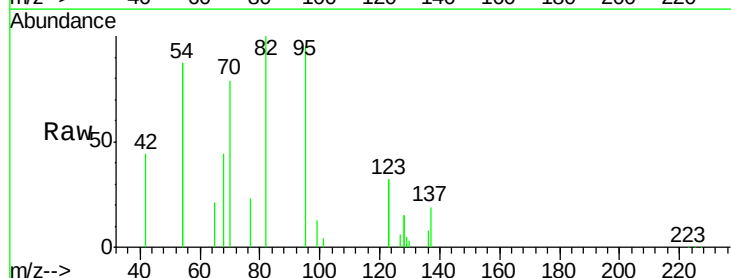
Tgt Ion: 82 Resp: 26642

Ion Ratio Lower Upper

82 100

128 30.0 150.0 225.0#

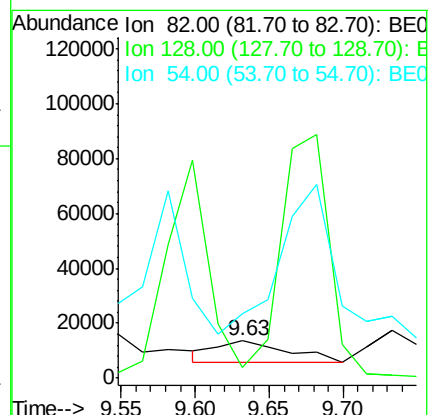
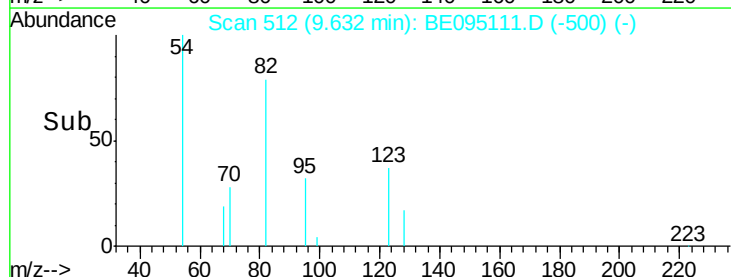
54 173.7 154.2 231.4

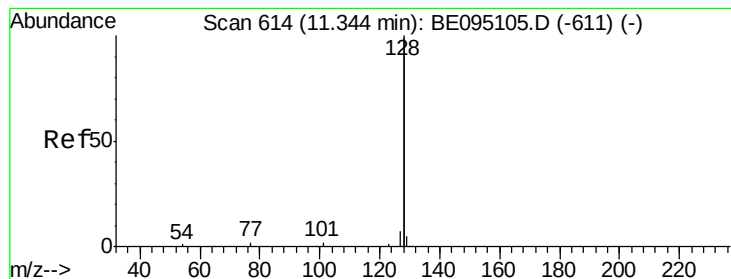


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 5.934 ng

RT: 11.38 min Scan# 616

Delta R.T. 0.03 min

Lab File: BE095111.D

Acq: 25 Jan 2018 11:52

Instrument :

BNA_E

ClientSampleId :

TW-3

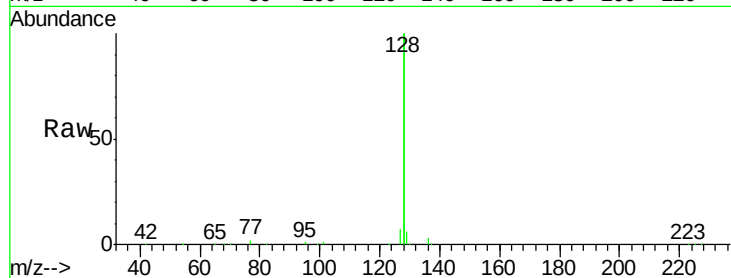
Tgt Ion:128 Resp:30920139

Ion Ratio Lower Upper

128 100

129 3.2 2.6 3.8

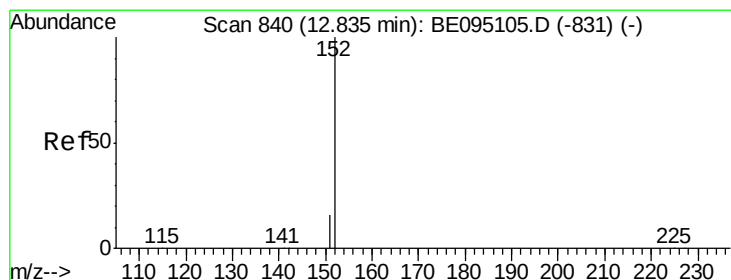
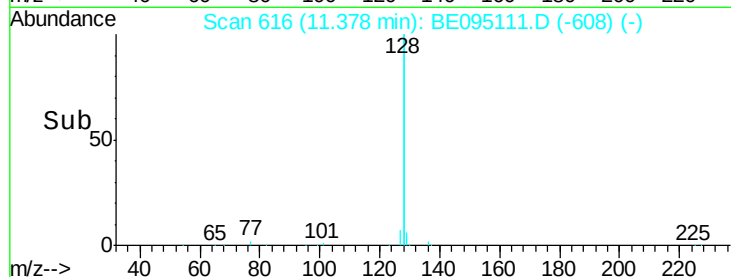
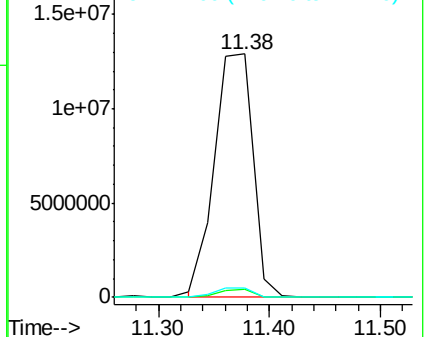
127 3.6 2.8 4.2



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: 0.015 ng

RT: 12.84 min Scan# 841

Delta R.T. -0.00 min

Lab File: BE095111.D

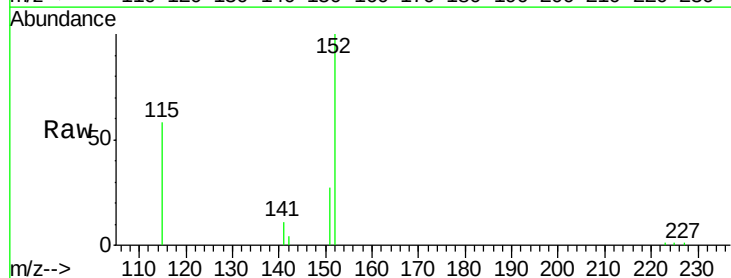
Acq: 25 Jan 2018 11:52

Tgt Ion:152 Resp: 11497

Ion Ratio Lower Upper

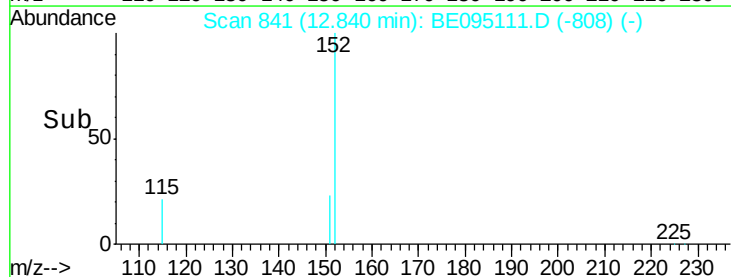
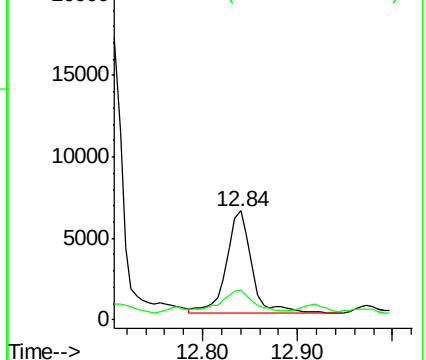
152 100

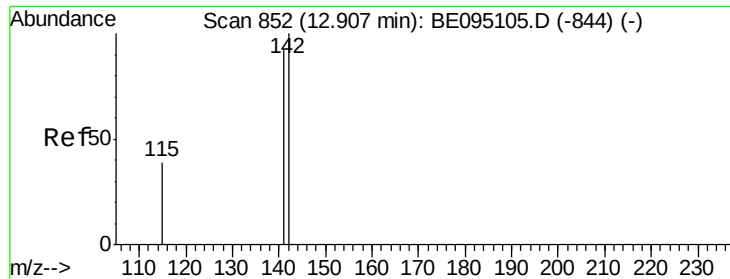
151 29.6 15.4 23.0#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

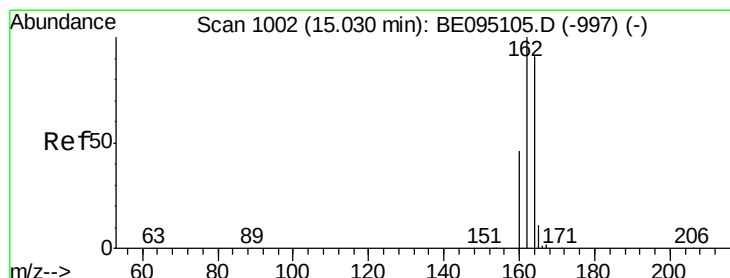
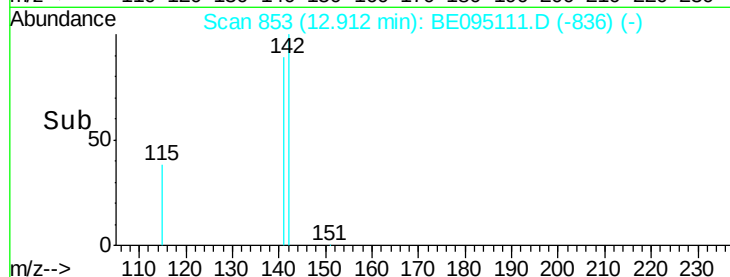
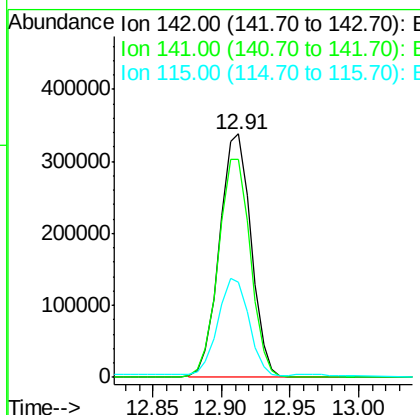
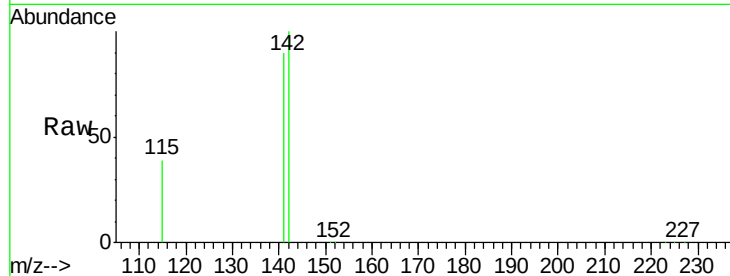




#12
2-Methylnaphthalene
Concen: 0.603 ng
RT: 12.91 min Scan# 853
Delta R.T. 0.01 min
Lab File: BE095111.D
Acq: 25 Jan 2018 11:52

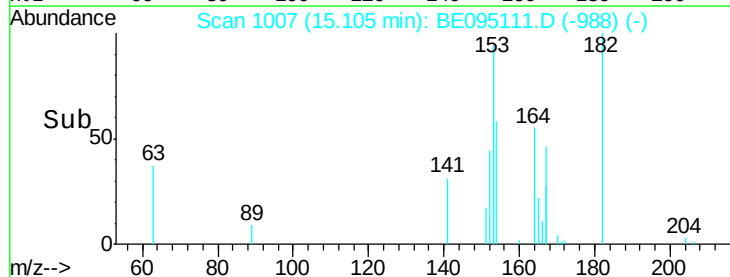
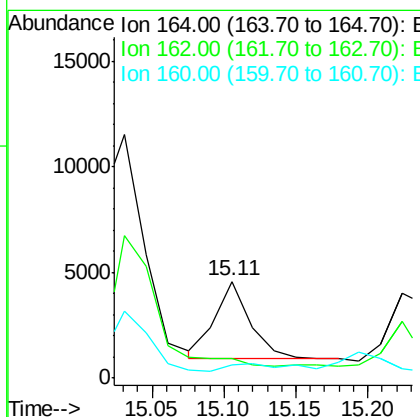
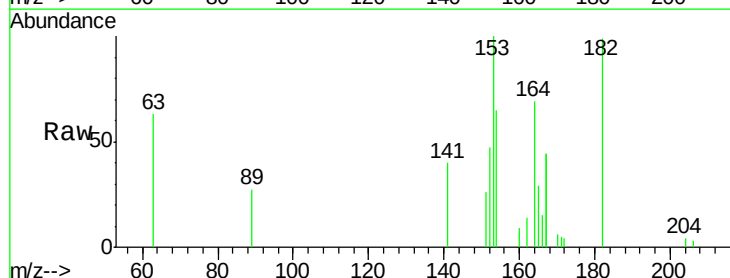
Instrument :
BNA_E
ClientSampled :
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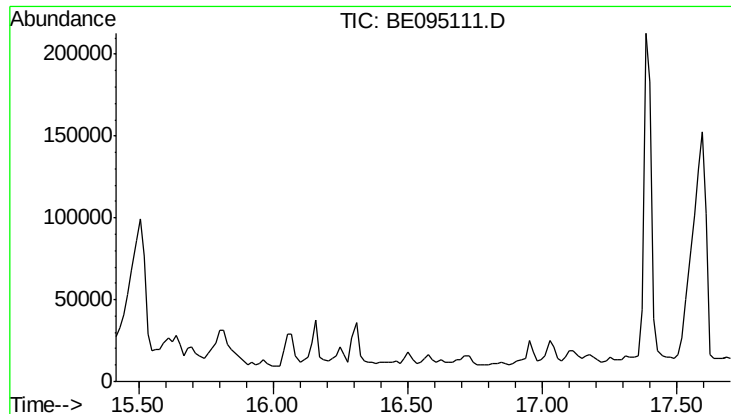
Tgt Ion:142 Resp: 538568
Ion Ratio Lower Upper
142 100
141 89.6 70.4 105.6
115 39.0 31.7 47.5



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 15.11 min Scan# 1007
Delta R.T. 0.07 min
Lab File: BE095111.D
Acq: 25 Jan 2018 11:52

Tgt Ion:164 Resp: 6384
Ion Ratio Lower Upper
164 100
162 19.6 83.1 124.7#
160 13.2 37.1 55.7#

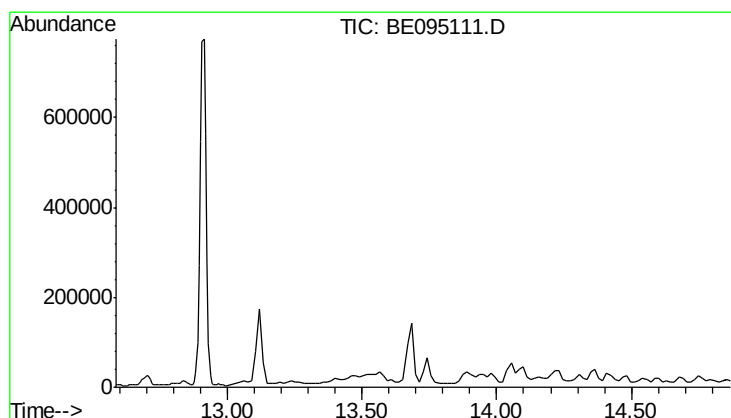
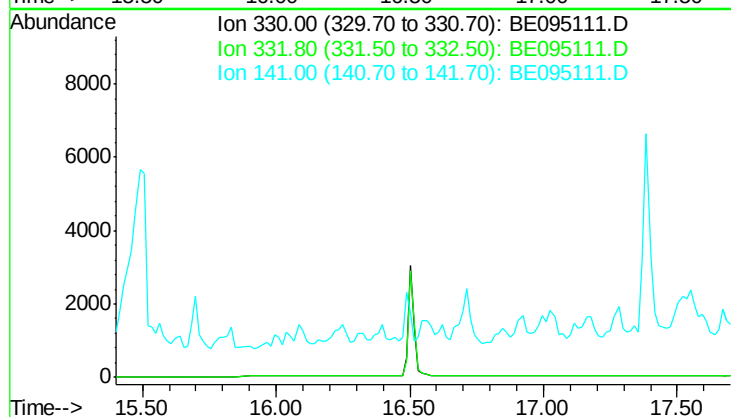




#14
 2,4,6-Tribromophenol
 Concen: 0.000 ng
 Expected RT: 16.50 min
 Lab File: BE095111.D
 Acq: 25 Jan 2018 11:52

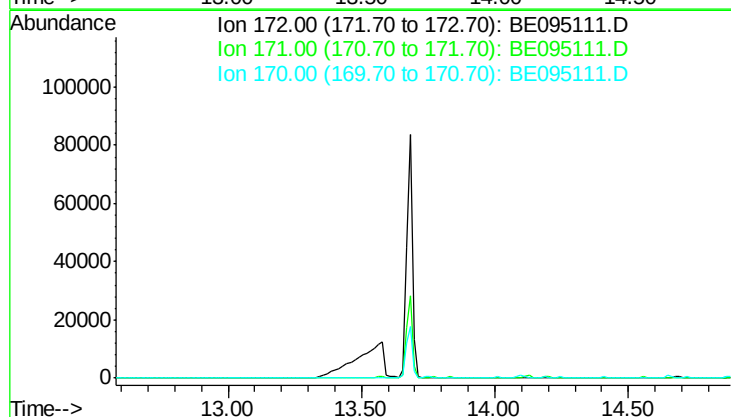
Instrument :
 BNA_E
 ClientSampleId :
 TW-3

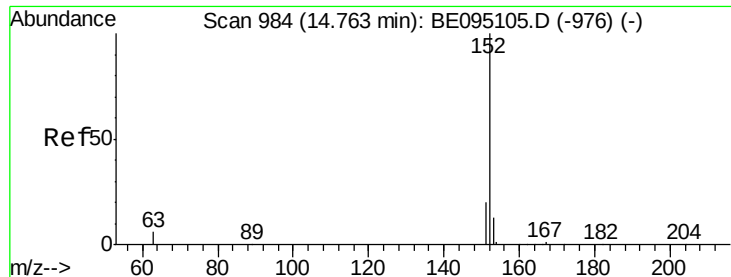
Tgt Ion: 330
 Sig Exp Ratio
 330 100
 332 190.9
 141 42.1



#15
 2-Fluorobiphenyl
 Concen: 0.000 ng
 Expected RT: 13.68 min
 Lab File: BE095111.D
 Acq: 25 Jan 2018 11:52

Tgt Ion: 172
 Sig Exp Ratio
 172 100
 171 37.4
 170 27.3

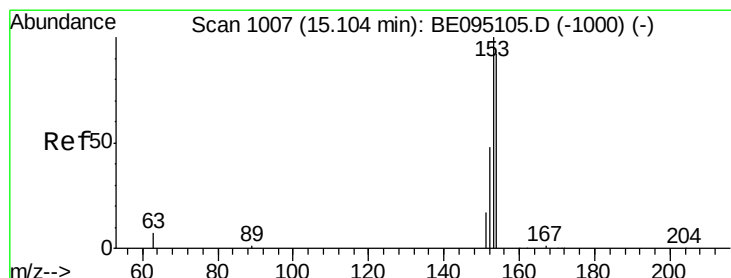
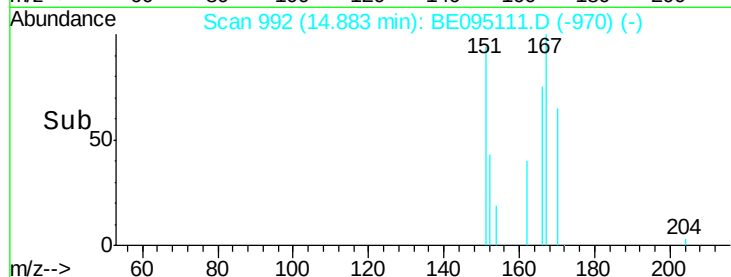
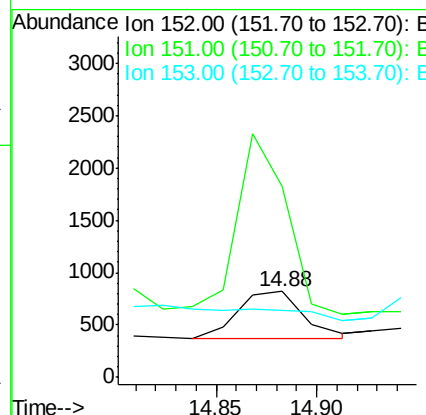
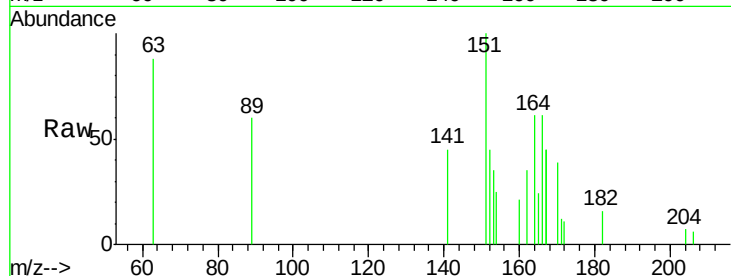




#16
Acenaphthylene
Concen: 0.030 ng
RT: 14.88 min Scan# 992
Delta R.T. 0.12 min
Lab File: BE095111.D
Acq: 25 Jan 2018 11:52

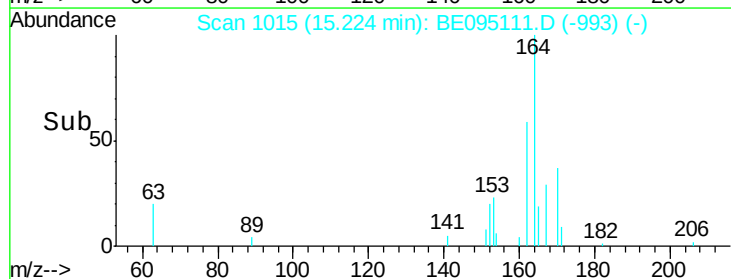
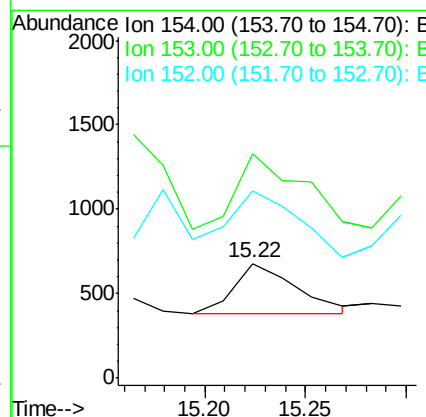
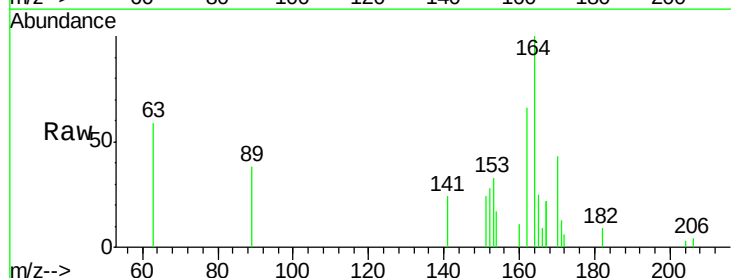
Instrument :
BNA_E
ClientSampleId :
TW-3

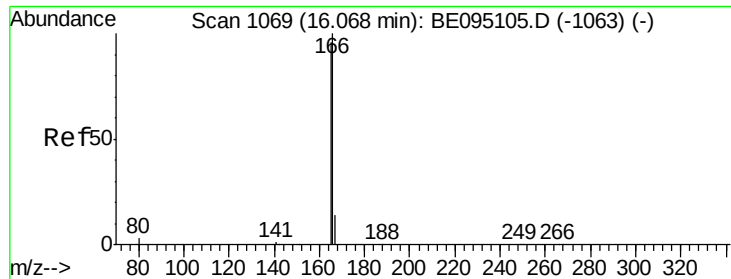
Tgt Ion:152 Resp: 1037
Ion Ratio Lower Upper
152 100
151 288.4 15.7 23.5#
153 0.0 10.5 15.7#



#17
Acenaphthene
Concen: 0.029 ng
RT: 15.22 min Scan# 1015
Delta R.T. 0.12 min
Lab File: BE095111.D
Acq: 25 Jan 2018 11:52

Tgt Ion:154 Resp: 655
Ion Ratio Lower Upper
154 100
153 172.7 89.2 133.8#
152 141.5 42.0 63.0#





#18

Fluorene

Concen: 0.040 ng

RT: 16.19 min Scan# 1077

Delta R.T. 0.12 min

Lab File: BE095111.D

Acq: 25 Jan 2018 11:52

Instrument :

BNA_E

ClientSampleId :

TW-3

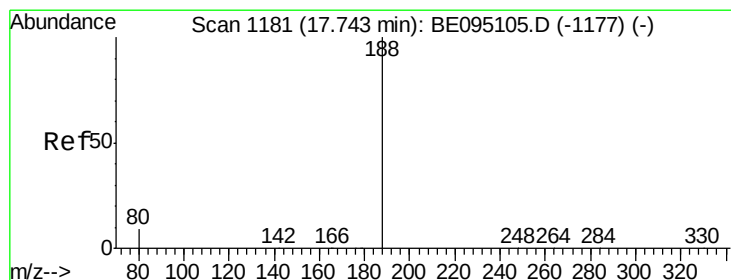
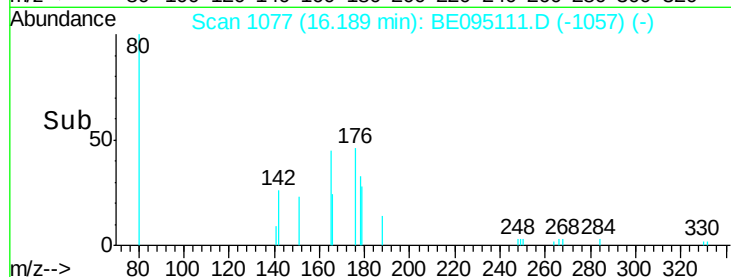
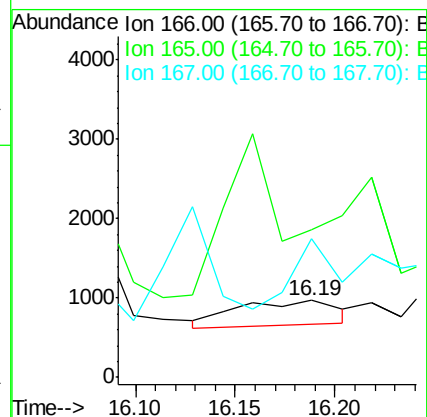
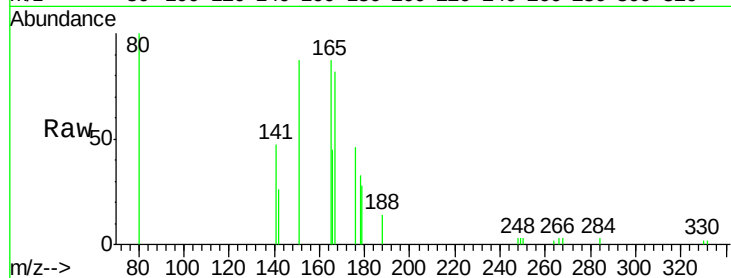
Tgt Ion:166 Resp: 1103

Ion Ratio Lower Upper

166 100

165 0.0 77.8 116.6#

167 114.5 42.4 63.6#



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.82 min Scan# 1186

Delta R.T. 0.08 min

Lab File: BE095111.D

Acq: 25 Jan 2018 11:52

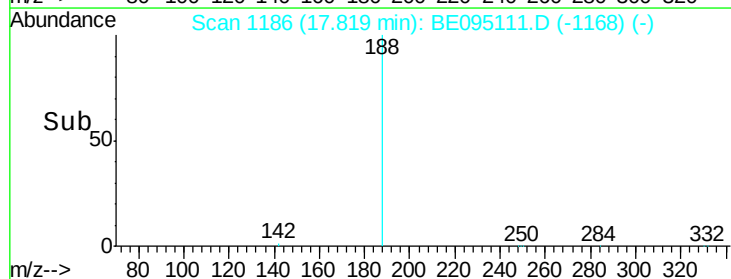
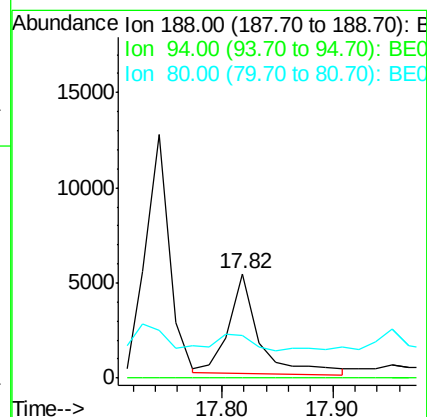
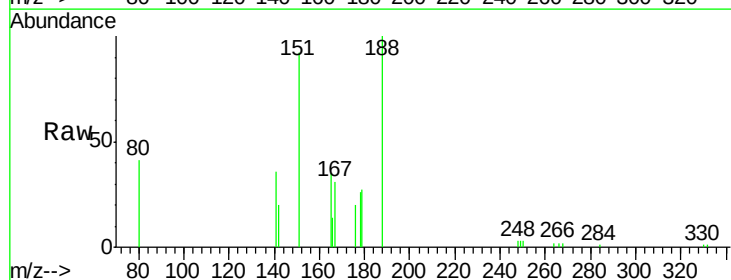
Tgt Ion:188 Resp: 10189

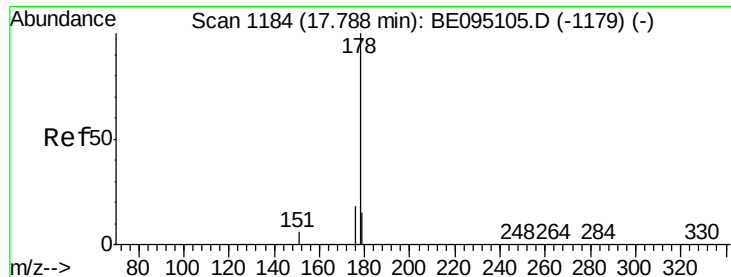
Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

80 41.0 3.6 5.4#





#23

Phenanthrene

Concen: 0.094 ng

RT: 17.88 min Scan# 1190

Delta R.T. 0.09 min

Lab File: BE095111.D

Acq: 25 Jan 2018 11:52

Instrument :

BNA_E

ClientSampleId :

TW-3

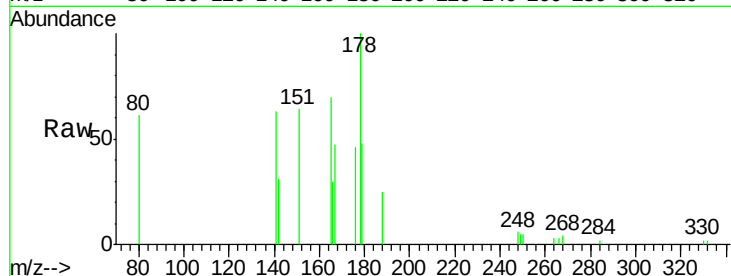
Tgt Ion:178 Resp: 2971

Ion Ratio Lower Upper

178 100

176 20.5 15.1 22.7

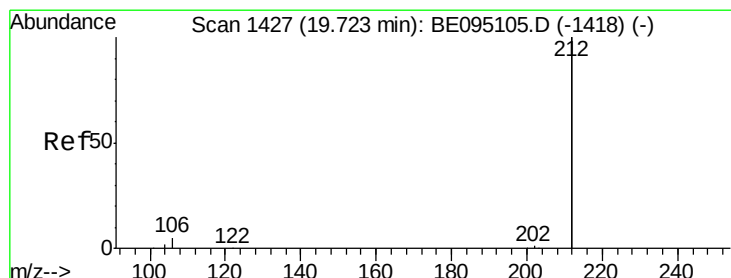
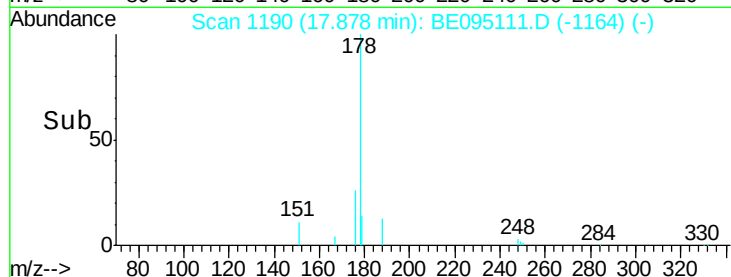
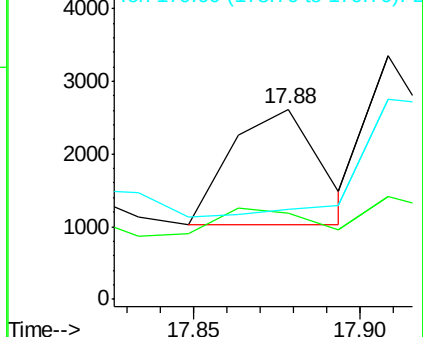
179 0.0 11.8 17.6#



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



#25

Fluoranthene-d10

Concen: 0.114 ng

RT: 19.78 min Scan# 1435

Delta R.T. 0.07 min

Lab File: BE095111.D

Acq: 25 Jan 2018 11:52

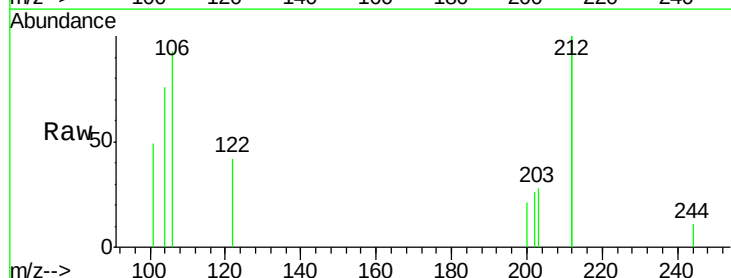
Tgt Ion:212 Resp: 14637

Ion Ratio Lower Upper

212 100

106 44.2 2.8 4.2#

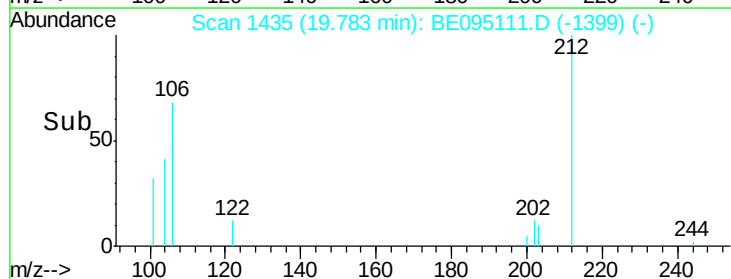
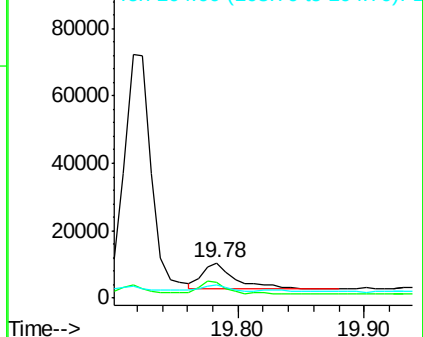
104 23.8 1.6 2.4#

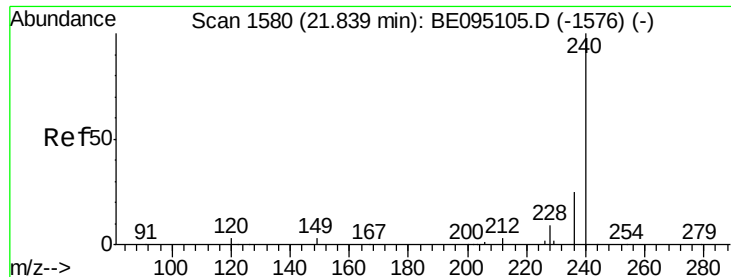


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.84 min Scan# 1580

Delta R.T. -0.00 min

Lab File: BE095111.D

Acq: 25 Jan 2018 11:52

Instrument :

BNA_E

ClientSampleId :

TW-3

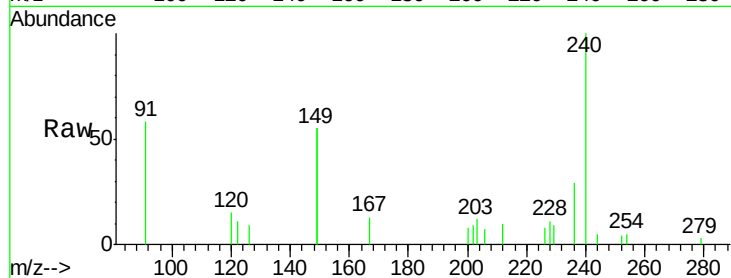
Tgt Ion:240 Resp: 18224

Ion Ratio Lower Upper

240 100

120 15.1 5.5 8.3#

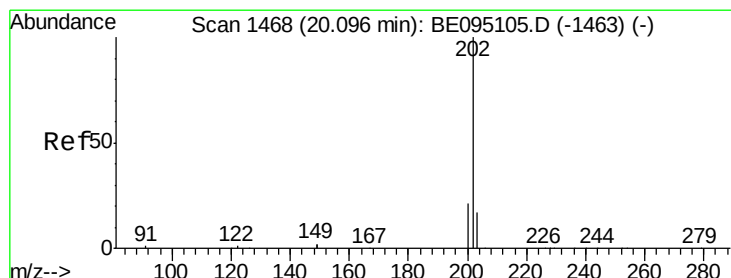
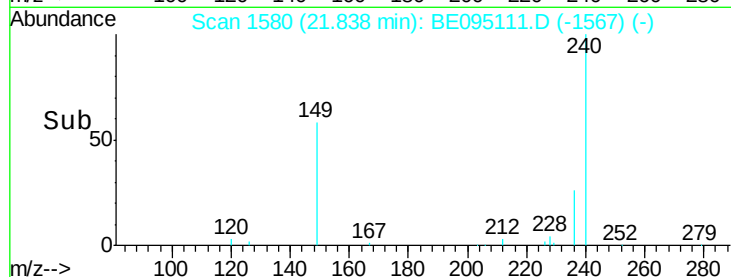
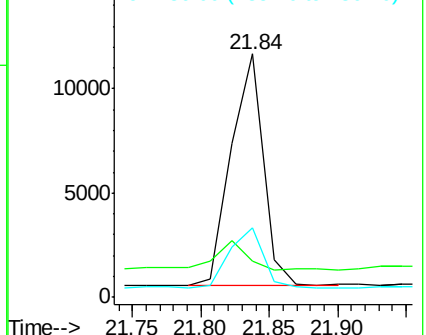
236 28.6 20.7 31.1



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: 0.055 ng

RT: 20.09 min Scan# 1468

Delta R.T. -0.00 min

Lab File: BE095111.D

Acq: 25 Jan 2018 11:52

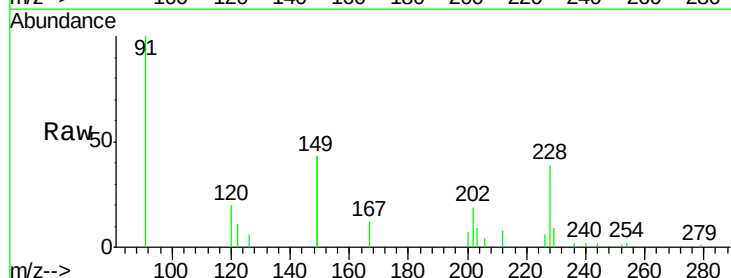
Tgt Ion:202 Resp: 4253

Ion Ratio Lower Upper

202 100

200 37.7 16.6 25.0#

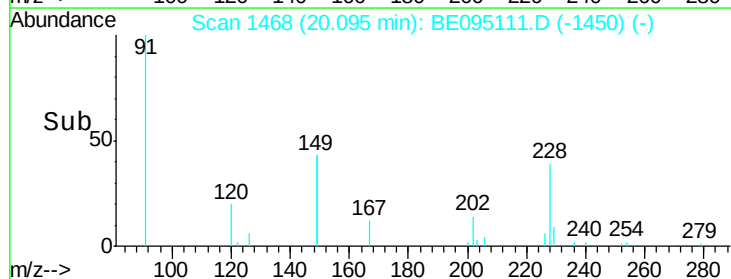
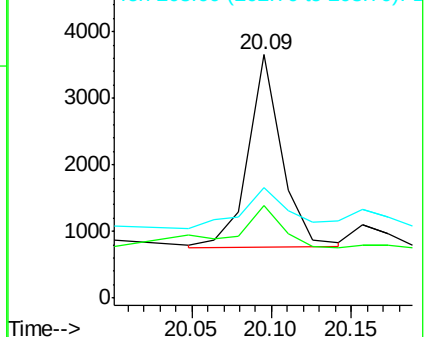
203 27.9 13.8 20.8#

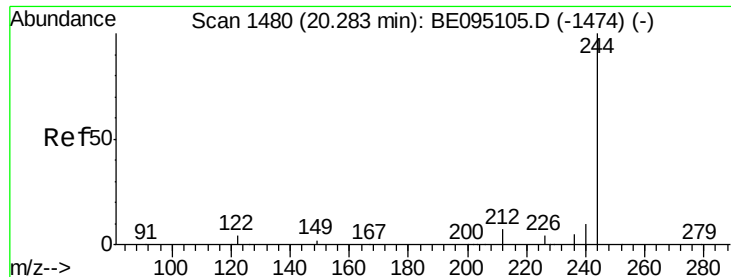


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 20.611 ng

RT: 20.28 min Scan# 1480

Delta R.T. -0.00 min

Lab File: BE095111.D

Acq: 25 Jan 2018 11:52

Instrument :

BNA_E

ClientSampleId :

TW-3

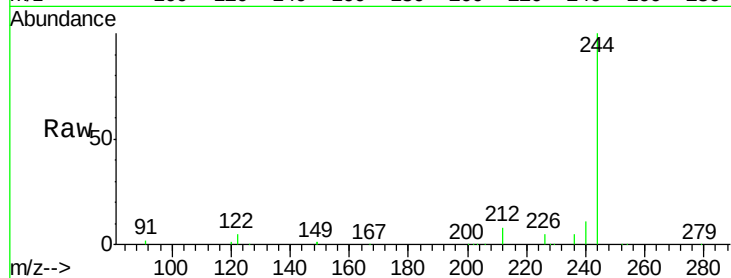
Tgt Ion:244 Resp: 768847

Ion Ratio Lower Upper

244 100

212 8.0 25.4 38.0#

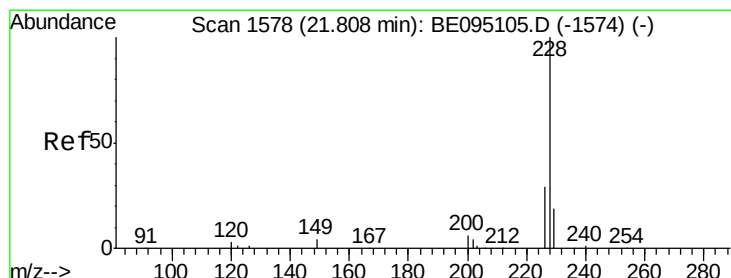
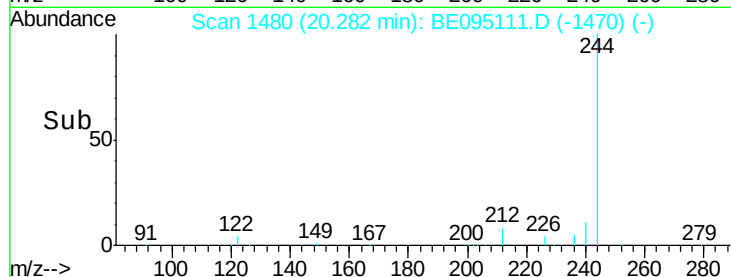
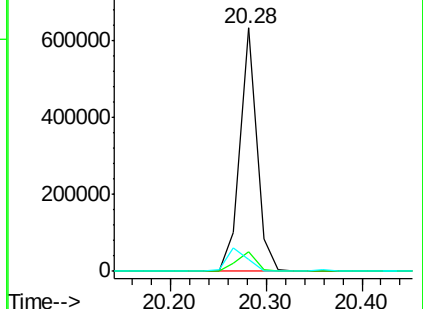
122 4.7 8.1 12.1#



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: 0.036 ng

RT: 21.81 min Scan# 1578

Delta R.T. -0.02 min

Lab File: BE095111.D

Acq: 25 Jan 2018 11:52

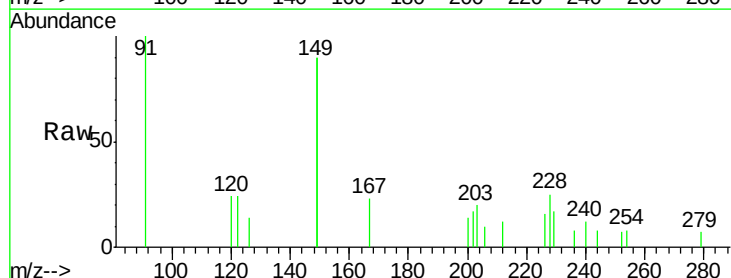
Tgt Ion:228 Resp: 2050

Ion Ratio Lower Upper

228 100

226 62.4 24.0 36.0#

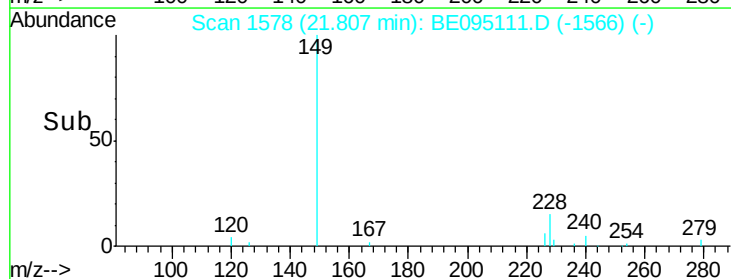
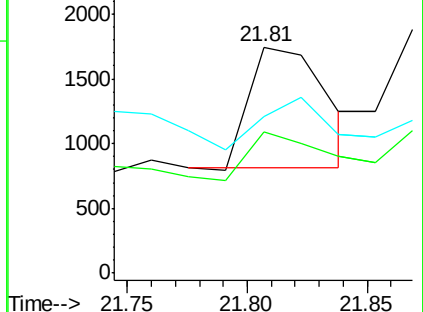
229 69.2 16.0 24.0#

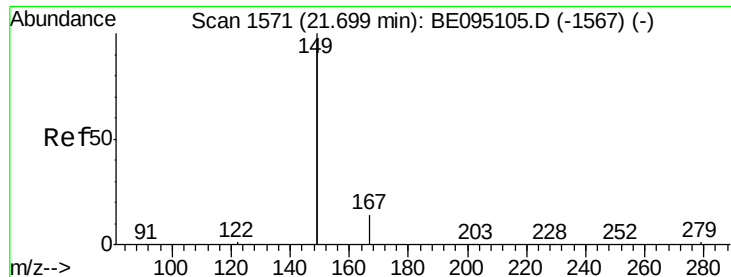


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#32

Bis(2-ethylhexyl)phthalate

Concen: 2.230 ng

RT: 21.70 min Scan# 1571

Delta R.T. -0.00 min

Lab File: BE095111.D

Acq: 25 Jan 2018 11:52

Instrument :

BNA_E

ClientSampleId :

TW-3

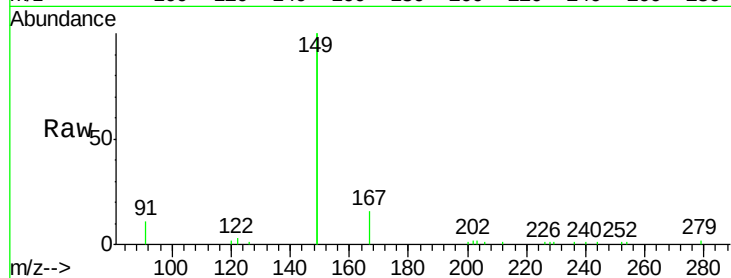
Tgt Ion:149 Resp: 176805

Ion Ratio Lower Upper

149 100

167 7.0 5.4 8.0

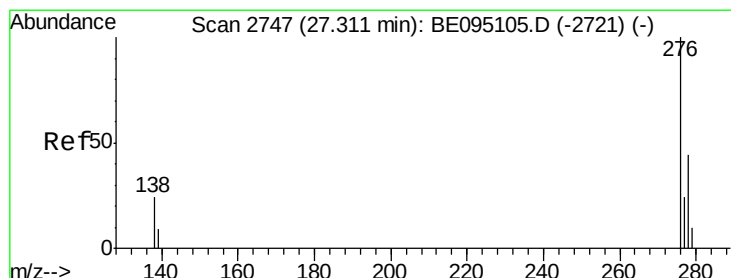
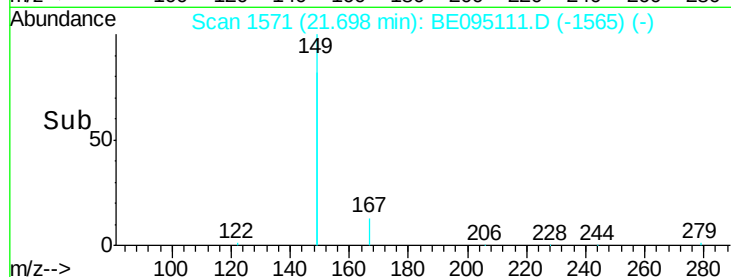
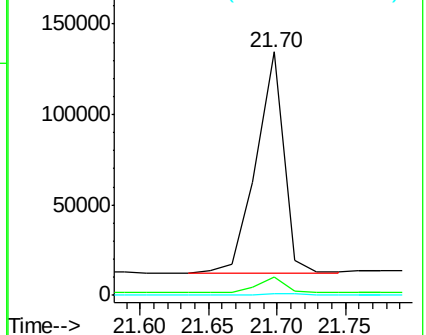
279 0.8 0.7 1.1



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



#33

Indeno(1,2,3-cd)pyrene

Concen: 0.023 ng

RT: 27.31 min Scan# 2746

Delta R.T. -0.01 min

Lab File: BE095111.D

Acq: 25 Jan 2018 11:52

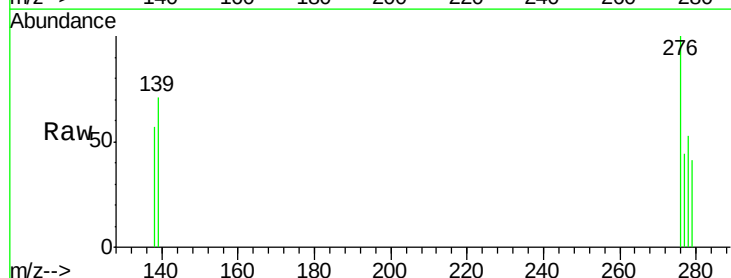
Tgt Ion:276 Resp: 1208

Ion Ratio Lower Upper

276 100

138 0.0 22.5 33.7#

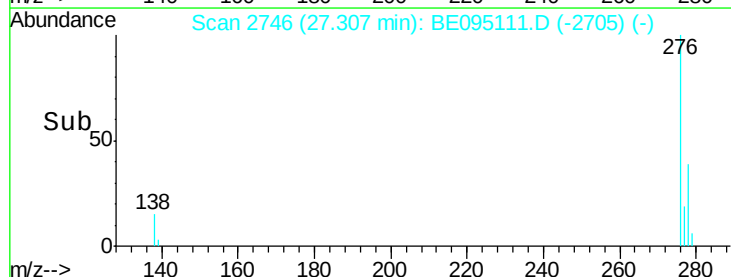
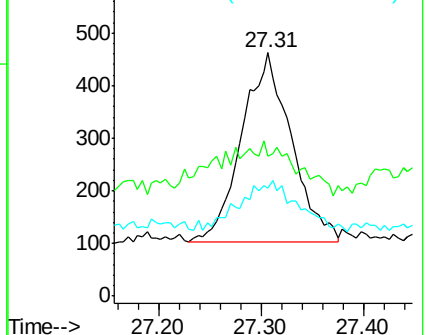
277 30.0 19.9 29.9#

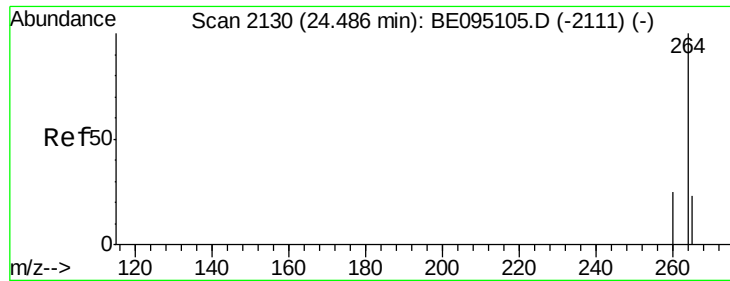


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

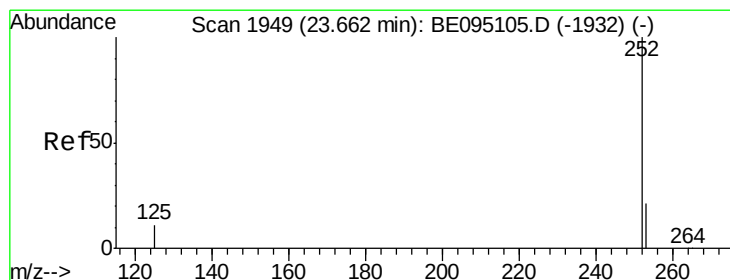
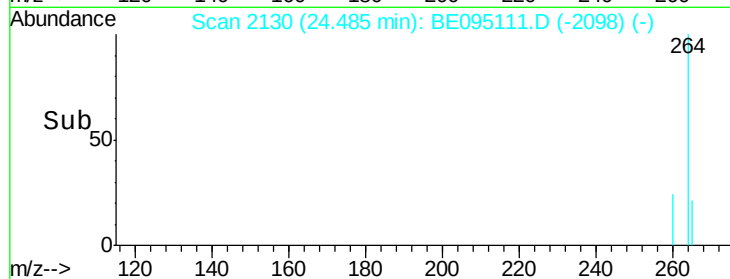
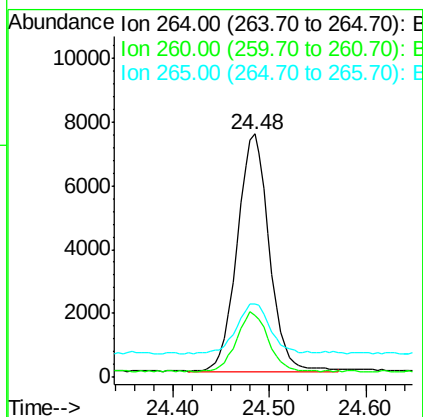
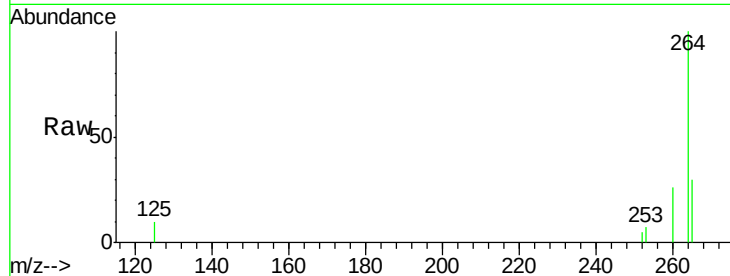




#34
Perylene-d12
 Concen: 0.400 ng
 RT: 24.48 min Scan# 2130
 Delta R.T. -0.00 min
 Lab File: BE095111.D
 Acq: 25 Jan 2018 11:52

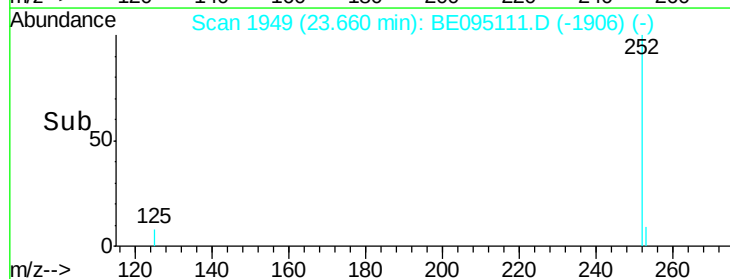
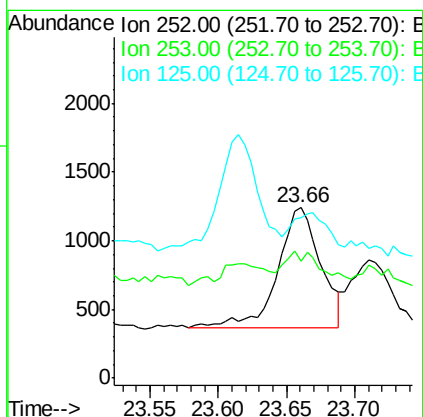
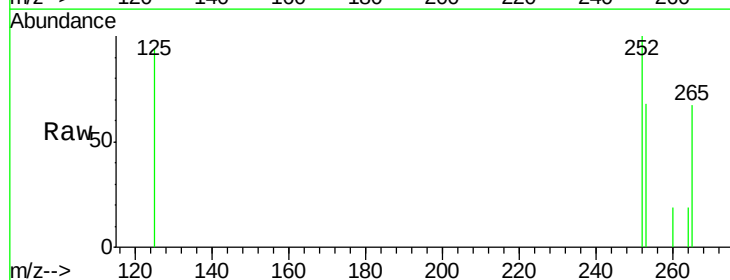
Instrument :
 BNA_E
 ClientSampleId :
 TW-3

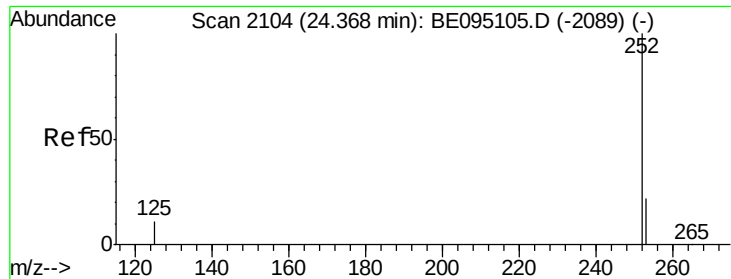
Tgt Ion: 264 Resp: 17076
 Ion Ratio Lower Upper
 264 100
 260 25.6 20.5 30.7
 265 30.3 22.8 34.2



#35
Benzo(b)fluoranthene
 Concen: 0.032 ng
 RT: 23.66 min Scan# 1949
 Delta R.T. -0.00 min
 Lab File: BE095111.D
 Acq: 25 Jan 2018 11:52

Tgt Ion: 252 Resp: 1925
 Ion Ratio Lower Upper
 252 100
 253 68.4 20.0 30.0#
 125 93.8 16.0 24.0#

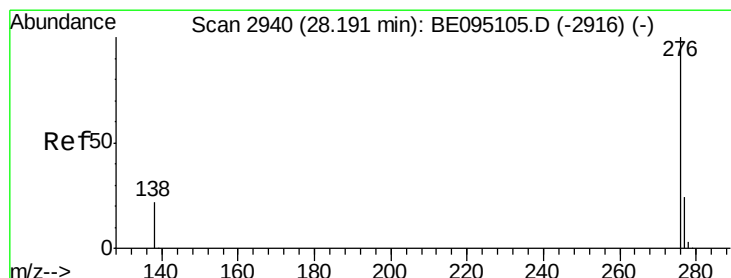
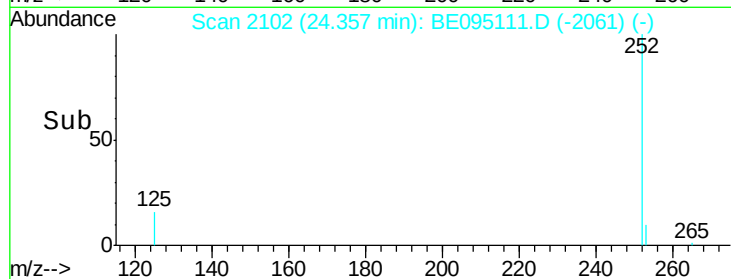
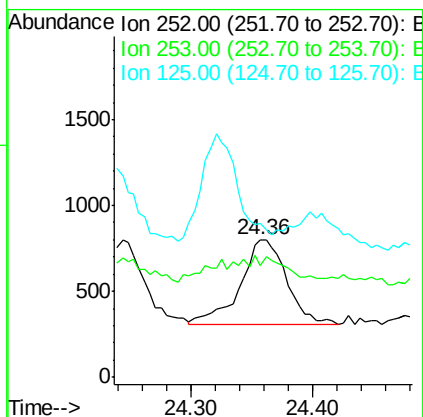
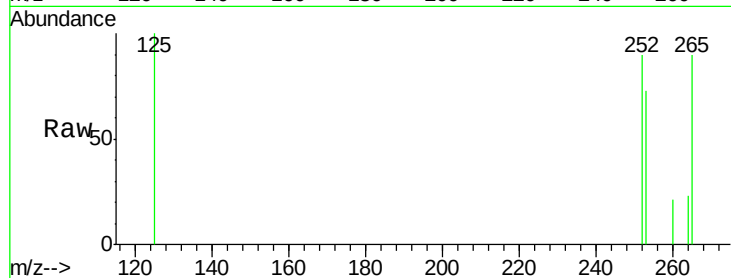




#37
Benzo(a)pyrene
Concen: 0.023 ng
RT: 24.36 min Scan# 2102
Delta R.T. -0.01 min
Lab File: BE095111.D
Acq: 25 Jan 2018 11:52

Instrument :
BNA_E
ClientSampleId :
TW-3

Tgt Ion: 252 Resp: 1299
Ion Ratio Lower Upper
252 100
253 81.2 16.0 24.0#
125 111.3 12.0 18.0#



#39
Benzo(g,h,i)perylene
Concen: 0.028 ng
RT: 28.19 min Scan# 2940
Delta R.T. -0.01 min
Lab File: BE095111.D
Acq: 25 Jan 2018 11:52

Tgt Ion: 276 Resp: 1410
Ion Ratio Lower Upper
276 100
277 42.7 16.0 24.0#
138 64.6 20.0 30.0#

