

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE043018\
 Data File : BE096232.D
 Acq On : 30 Apr 2018 21:23
 Operator : SJ/JU
 Sample : J2600-02
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 BP-TT-AOC22-MW03-20180424

Quant Time: May 01 02:31:06 2018
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE041118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 30 14:27:29 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.36	152	874	0.40	ng	0.00
7) Naphthalene-d8	11.19	136	3524	0.40	ng	0.00
13) Acenaphthene-d10	14.94	164	4423	0.40	ng	0.00
19) Phenanthrene-d10	17.66	188	3982	0.40	ng	0.01
27) Chrysene-d12	21.75	240	4119	0.40	ng	0.01
34) Perylene-d12	24.36	264	3670	0.40	ng	0.01

System Monitoring Compounds						
4) 2-Fluorophenol	5.87	112	672	0.25	ng	0.00
5) Phenol-d6	7.52	99	385	0.10	ng	0.00
8) Nitrobenzene-d5	9.54	82	2333	0.56	ng	0.00
11) 2-Methylnaphthalene-d10	12.74	152	2169	0.39	ng	0.00
14) 2,4,6-Tribromophenol	0.00	330	0	0.00	ng	
15) 2-Fluorobiphenyl	13.59	172	3900	0.21	ng	0.01
25) Fluoranthene-d10	19.65	212	19396	0.36	ng	0.01
29) Terphenyl-d14	20.20	244	3938	0.43	ng	0.01

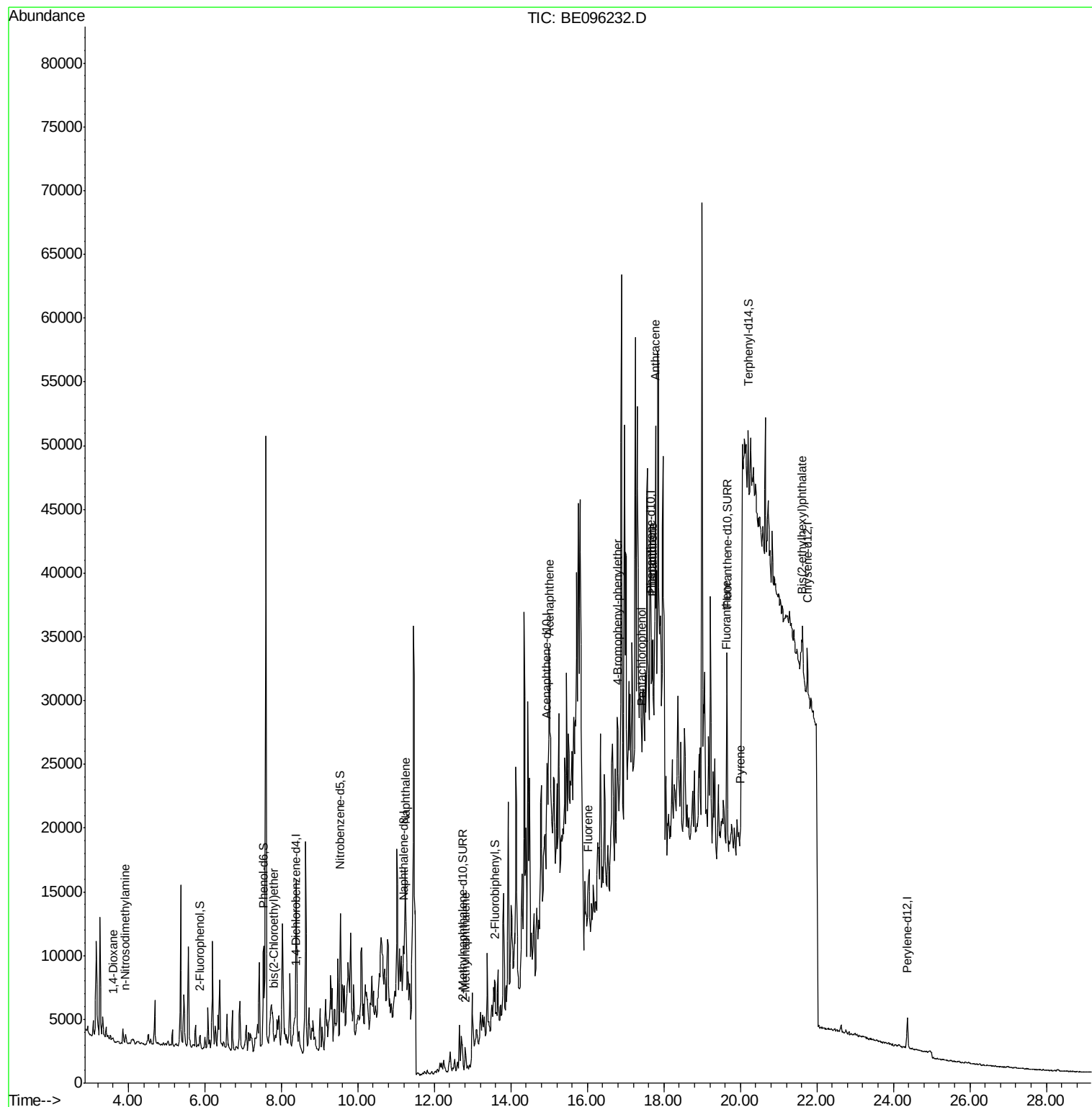
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.60	88	63	0.047	ng	# 1
3) n-Nitrosodimethylamine	3.93	42	141	0.085	ng	# 1
6) bis(2-Chloroethyl)ether	7.80	93	201	0.061	ng	# 1
9) Naphthalene	11.24	128	11098	0.299	ng	# 83
12) 2-Methylnaphthalene	12.81	142	470	0.076	ng	# 1
17) Acenaphthene	15.01	154	633	0.045	ng	# 21
18) Fluorene	16.01	166	4066	0.231	ng	# 28
20) 4-Bromophenyl-phenylether	16.80	248	85	0.036	ng	# 1
22) Pentachlorophenol	17.42	266	192	0.312	ng	# 94
23) Phenanthrene	17.70	178	3468	0.310	ng	# 61
24) Anthracene	17.78	178	7028	0.657	ng	# 40
26) Fluoranthene	19.64	202	772	0.053	ng	# 45
28) Pyrene	20.00	202	1005	0.124	ng	# 1
32) Bis(2-ethylhexyl)phthalate	21.61	149	4719	0.138	ng	# 97

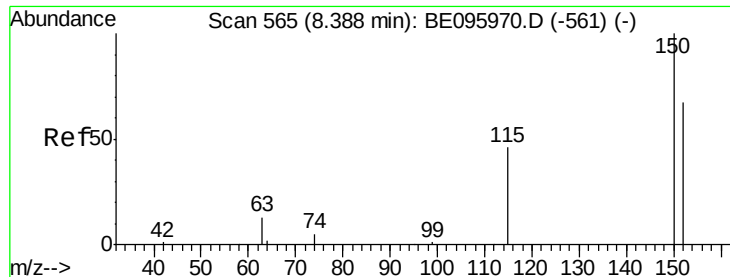
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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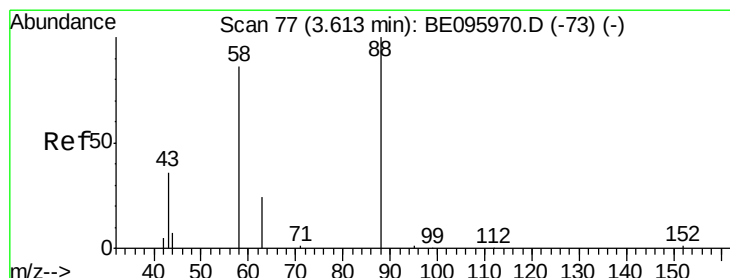
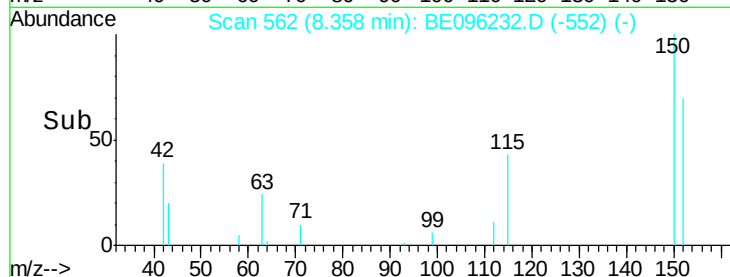
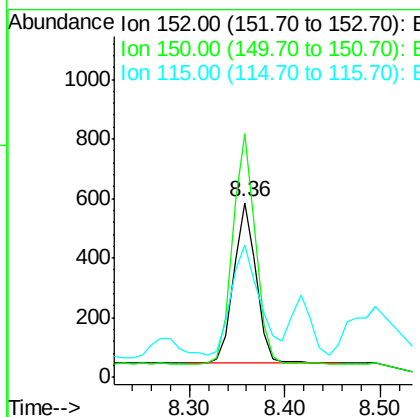
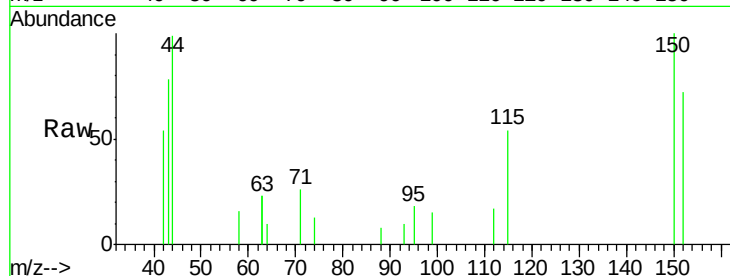




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 8.36 min Scan# 562
 Delta R.T. -0.00 min
 Lab File: BE096232.D
 Acq: 30 Apr 2018 21:23

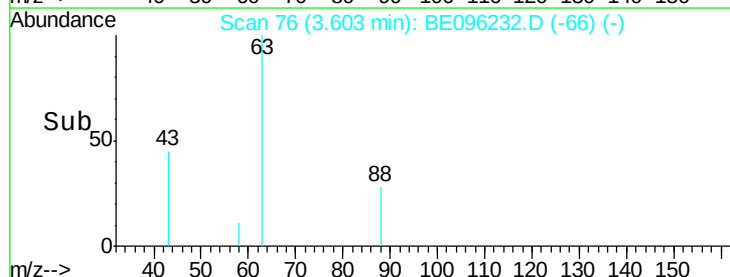
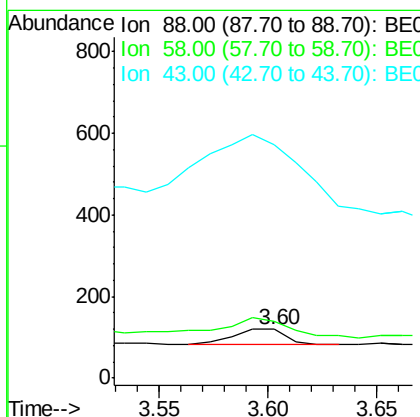
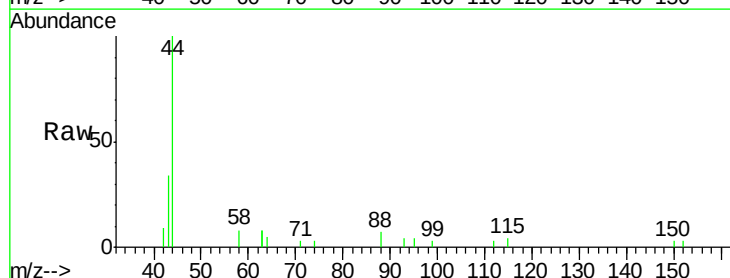
Instrument :
 BNA_E
 ClientSampleId :
 BP-TT-AOC22-MW03-20180424

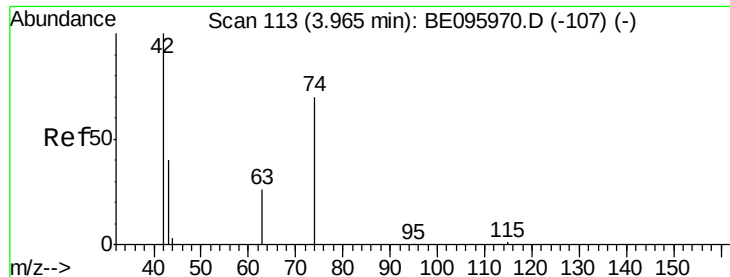
Tgt Ion:152 Resp: 874
 Ion Ratio Lower Upper
 152 100
 150 139.4 117.2 175.8
 115 75.4 57.0 85.6



#2
 1,4-Dioxane
 Concen: 0.047 ng
 RT: 3.60 min Scan# 76
 Delta R.T. -0.00 min
 Lab File: BE096232.D
 Acq: 30 Apr 2018 21:23

Tgt Ion: 88 Resp: 63
 Ion Ratio Lower Upper
 88 100
 58 201.6 63.2 94.8#
 43 1017.5 41.2 61.8#





#3

n-Nitrosodimethylamine

Concen: 0.085 ng

RT: 3.93 min Scan# 109

Delta R.T. -0.03 min

Lab File: BE096232.D

Acq: 30 Apr 2018 21:23

Instrument :

BNA_E

ClientSampleId :

BP-TT-AOC22-MW03-20180424

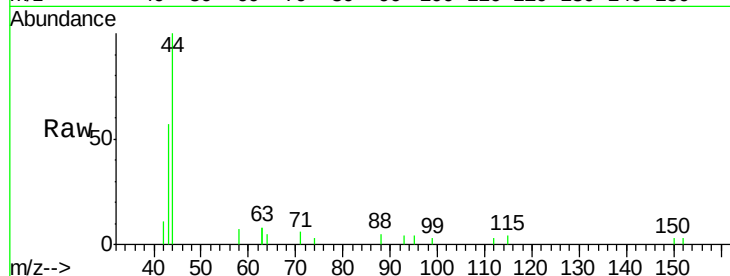
Tgt Ion: 42 Resp: 141

Ion Ratio Lower Upper

42 100

74 2.8 96.0 144.0#

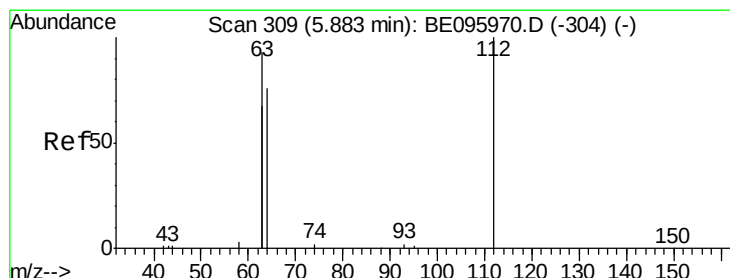
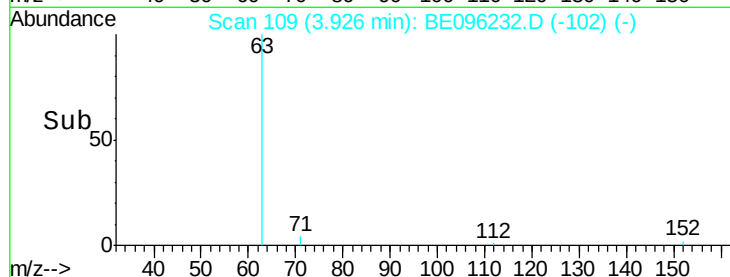
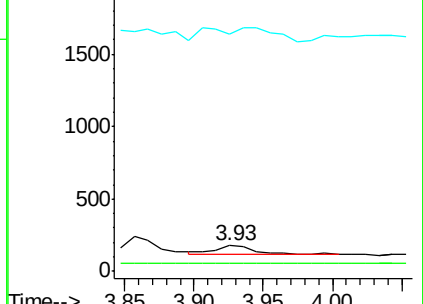
44 87.2 12.0 18.0#



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: 0.249 ng

RT: 5.87 min Scan# 308

Delta R.T. 0.01 min

Lab File: BE096232.D

Acq: 30 Apr 2018 21:23

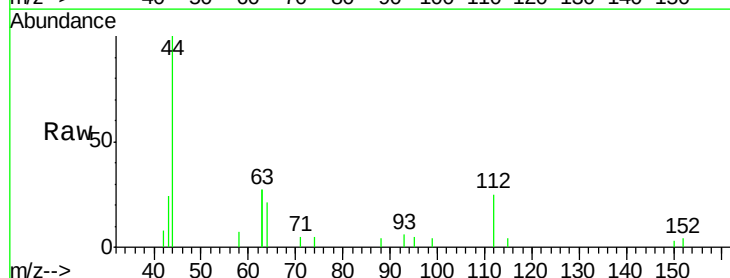
Tgt Ion: 112 Resp: 672

Ion Ratio Lower Upper

112 100

64 58.8 60.1 90.1#

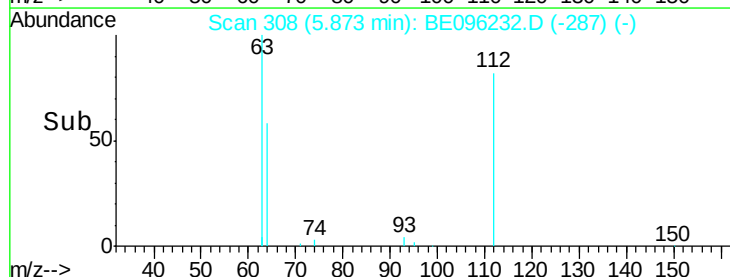
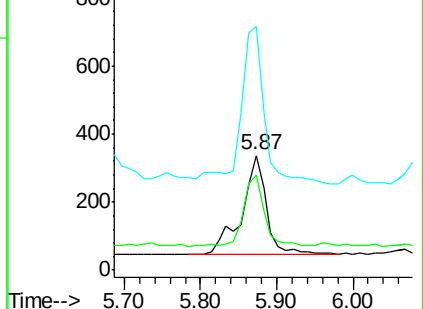
63 136.5 116.8 175.2

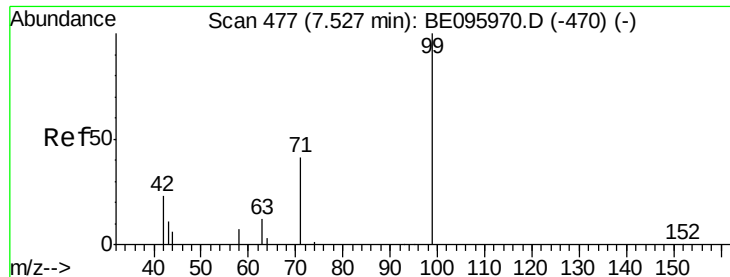


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.103 ng

RT: 7.52 min Scan# 476

Delta R.T. 0.01 min

Lab File: BE096232.D

Acq: 30 Apr 2018 21:23

Instrument :

BNA_E

ClientSampleId :

BP-TT-AOC22-MW03-20180424

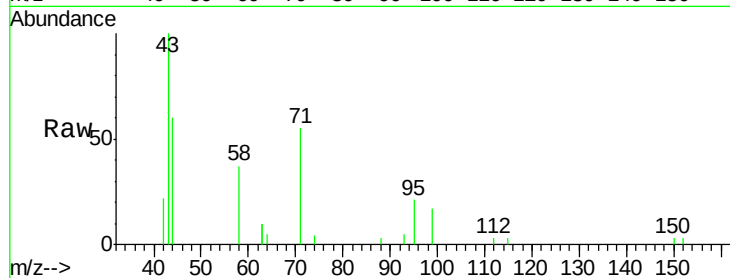
Tgt Ion: 99 Resp: 385

Ion Ratio Lower Upper

99 100

42 183.6 20.2 30.2#

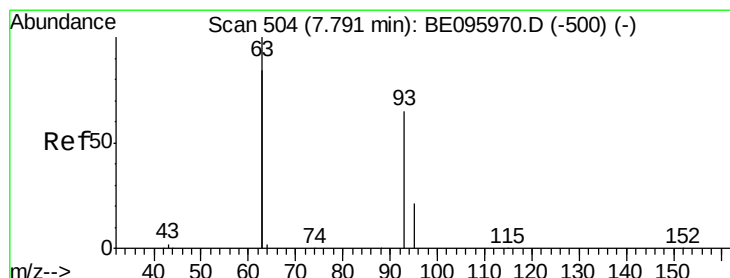
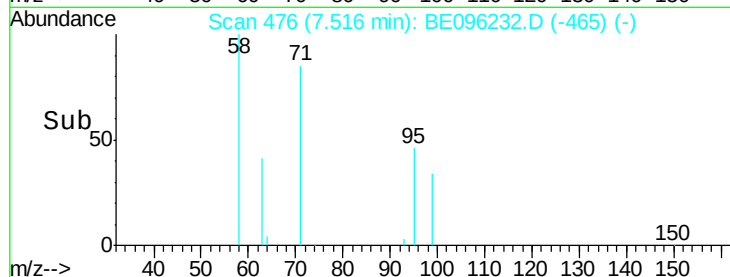
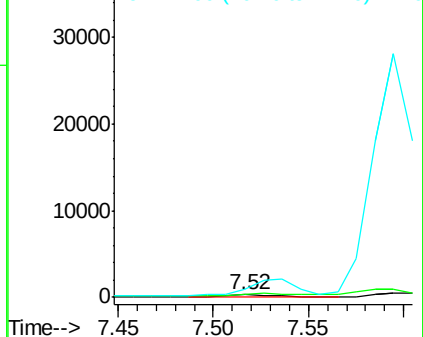
71 925.5 28.4 42.6#



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: 0.061 ng

RT: 7.80 min Scan# 505

Delta R.T. 0.04 min

Lab File: BE096232.D

Acq: 30 Apr 2018 21:23

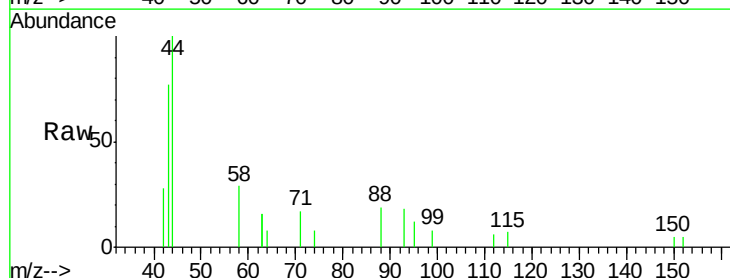
Tgt Ion: 93 Resp: 201

Ion Ratio Lower Upper

93 100

63 0.0 275.3 412.9#

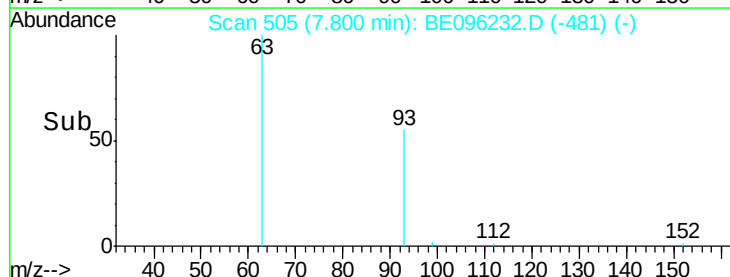
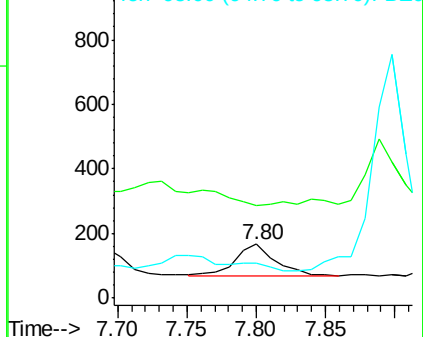
95 0.0 25.2 37.8#

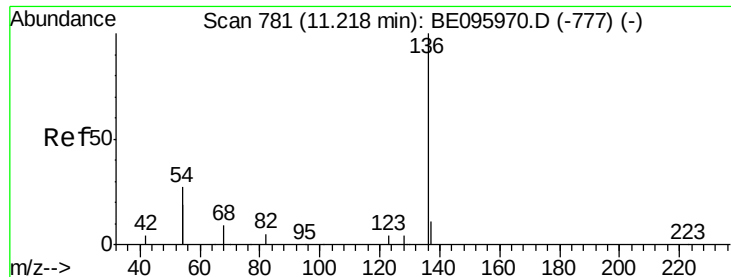


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 11.19 min Scan# 779

Delta R.T. -0.00 min

Lab File: BE096232.D

Acq: 30 Apr 2018 21:23

Instrument :

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Tgt Ion: 136 Resp: 3524

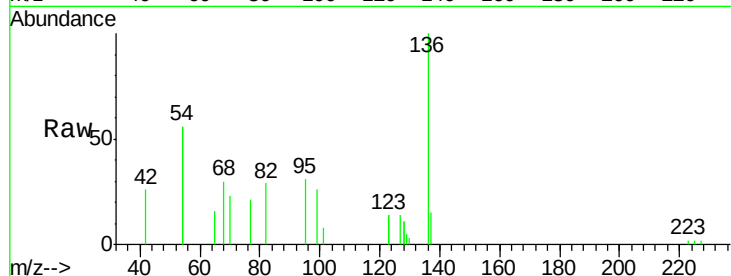
Ion Ratio Lower Upper

136 100

137 14.5 9.5 14.3#

54 112.1 29.1 43.7#

68 30.3 6.2 9.2#

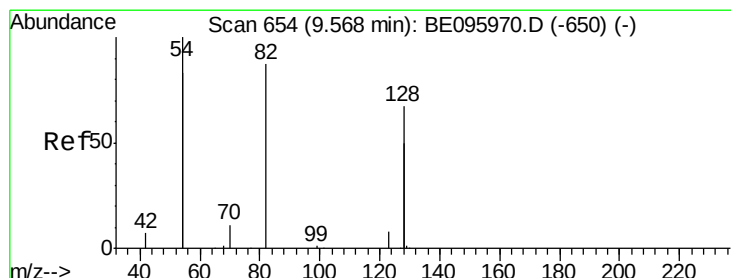
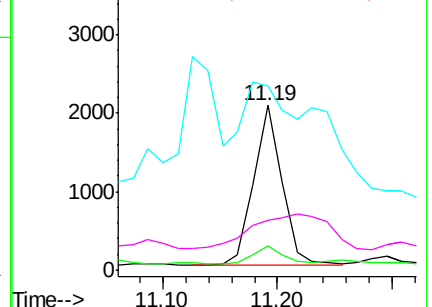
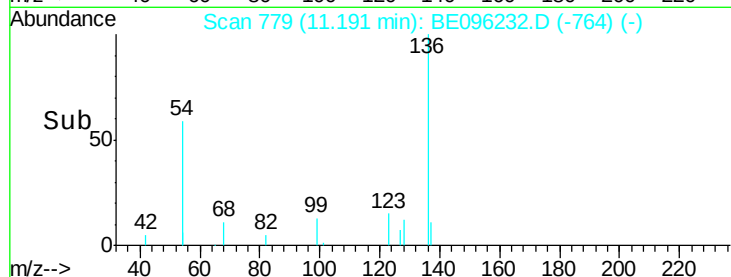


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.564 ng

RT: 9.54 min Scan# 652

Delta R.T. -0.00 min

Lab File: BE096232.D

Acq: 30 Apr 2018 21:23

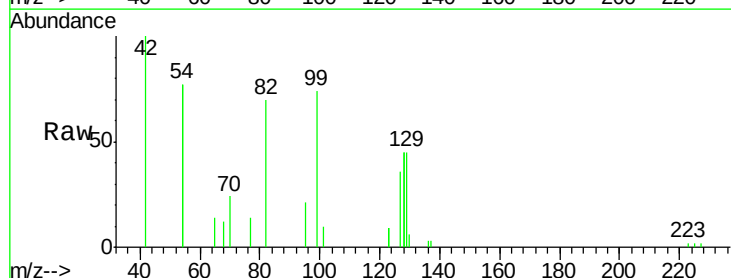
Tgt Ion: 82 Resp: 2333

Ion Ratio Lower Upper

82 100

128 129.5 150.0 225.0#

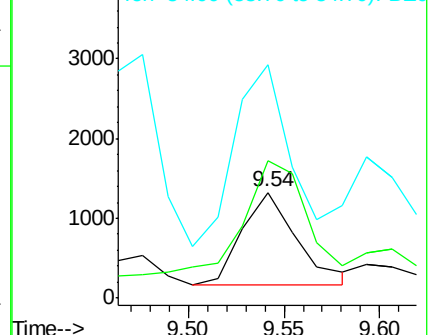
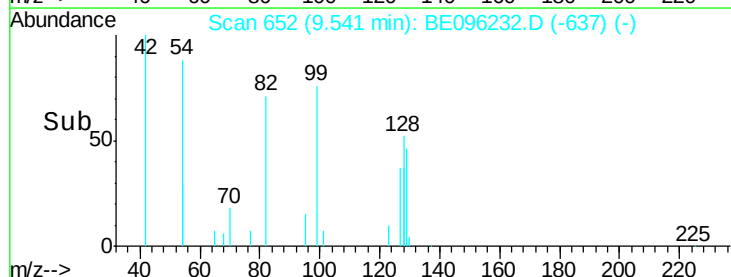
54 220.5 154.2 231.4

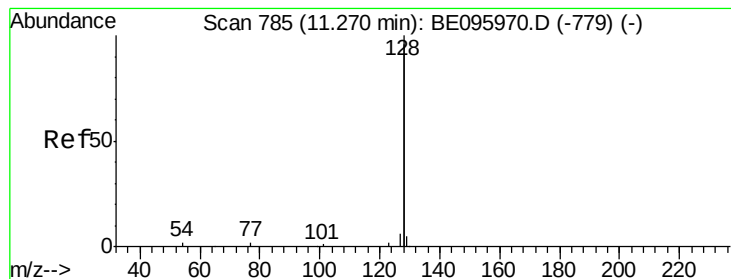


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.299 ng

RT: 11.24 min Scan# 783

Delta R.T. -0.00 min

Lab File: BE096232.D

Acq: 30 Apr 2018 21:23

Instrument :

BNA_E

ClientSampleId :

BP-TT-AOC22-MW03-20180424

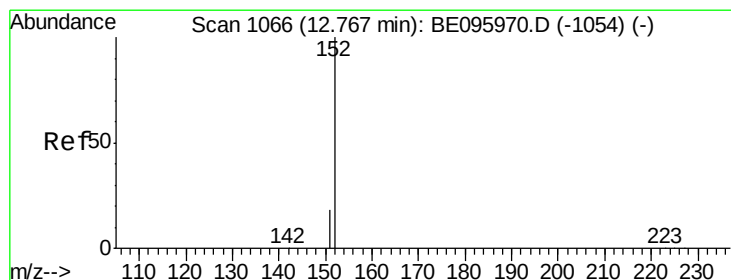
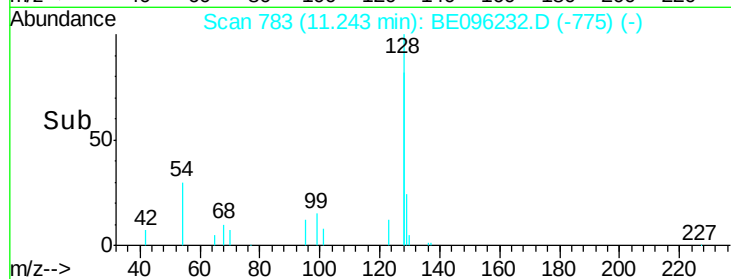
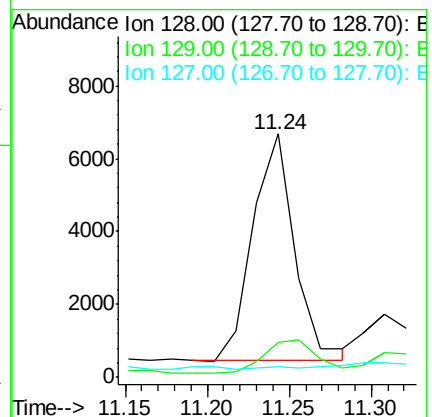
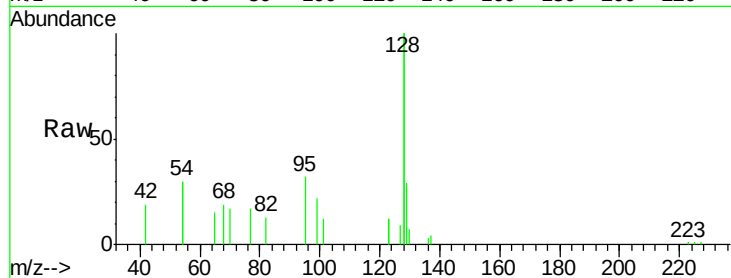
Tgt Ion:128 Resp: 11098

Ion Ratio Lower Upper

128 100

129 14.4 2.6 3.8#

127 4.3 2.8 4.2#



#11

2-Methylnaphthalene-d10

Concen: 0.388 ng

RT: 12.74 min Scan# 1059

Delta R.T. -0.00 min

Lab File: BE096232.D

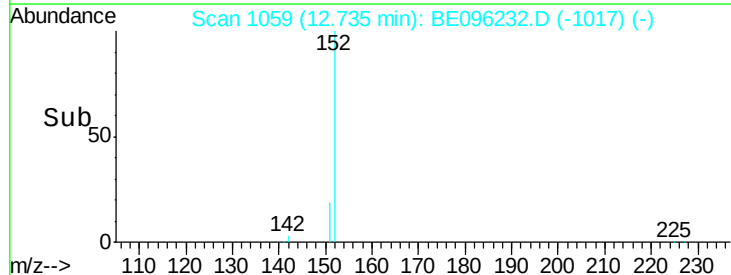
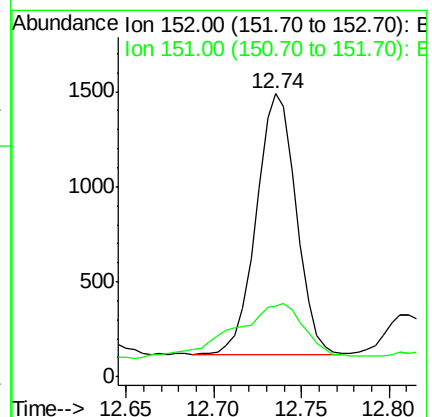
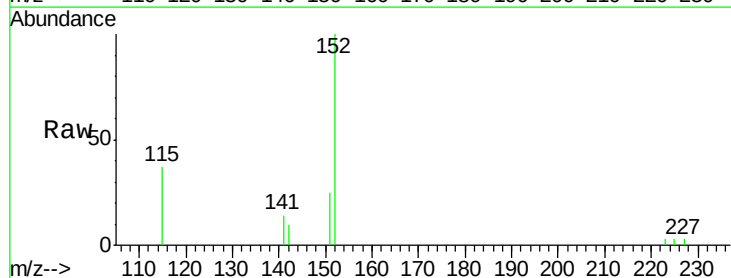
Acq: 30 Apr 2018 21:23

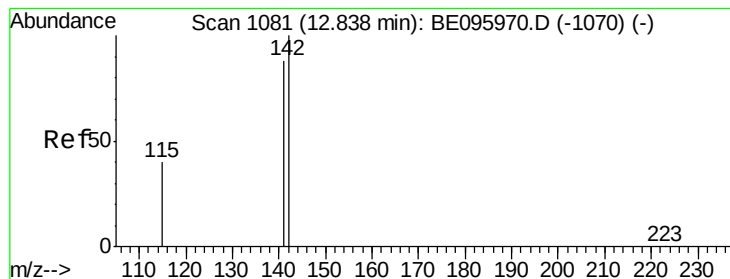
Tgt Ion:152 Resp: 2169

Ion Ratio Lower Upper

152 100

151 38.7 15.4 23.0#





#12

2-Methylnaphthalene

Concen: 0.076 ng

RT: 12.81 min Scan# 1075

Delta R.T. 0.00 min

Lab File: BE096232.D

Acq: 30 Apr 2018 21:23

Instrument :

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ClientSampleId :

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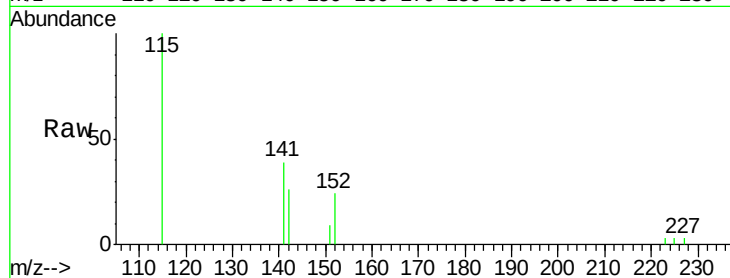
Tgt Ion:142 Resp: 470

Ion Ratio Lower Upper

142 100

141 150.3 70.4 105.6#

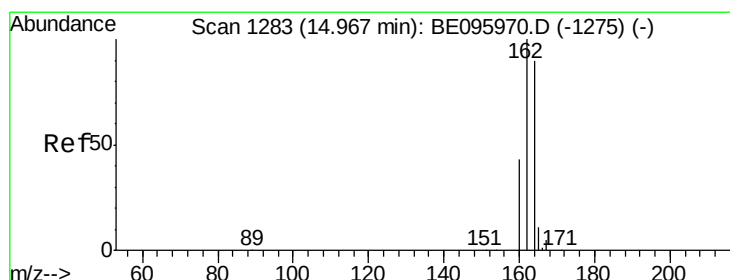
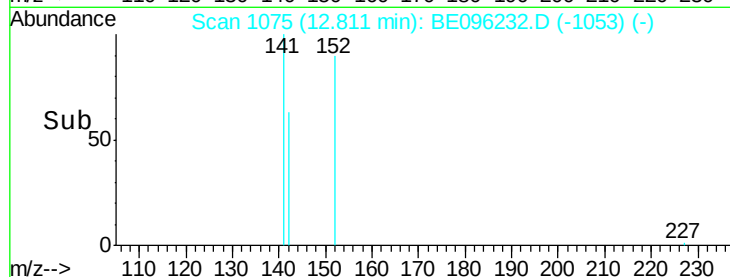
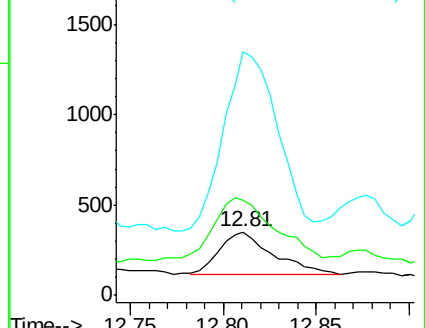
115 384.9 31.7 47.5#



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: 14.94 min Scan# 1281

Delta R.T. 0.00 min

Lab File: BE096232.D

Acq: 30 Apr 2018 21:23

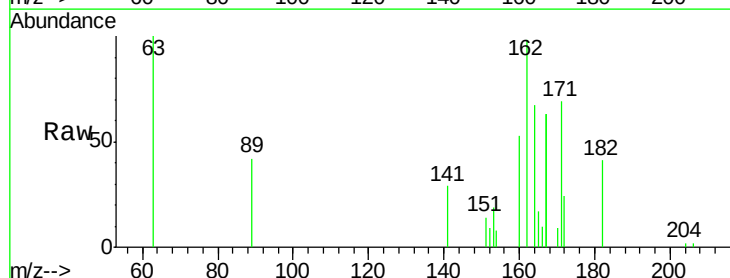
Tgt Ion:164 Resp: 4423

Ion Ratio Lower Upper

164 100

162 145.7 83.1 124.7#

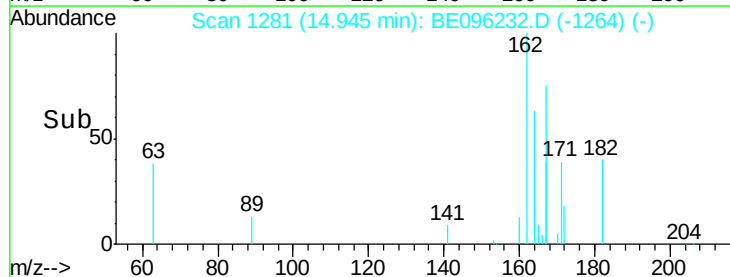
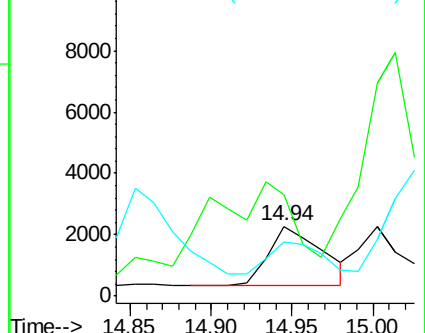
160 78.4 37.1 55.7#

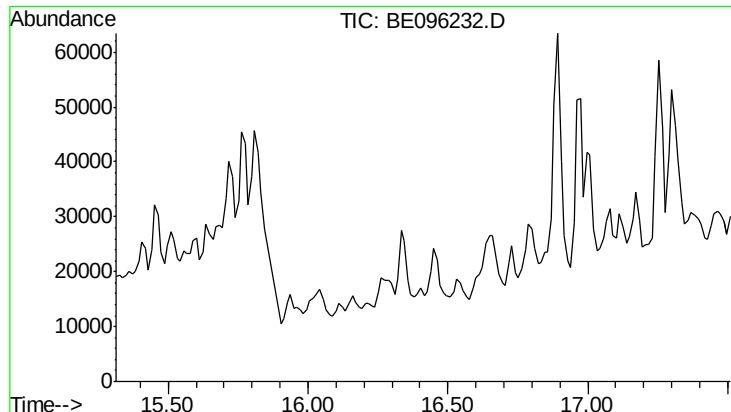


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#14

2,4,6-Tribromophenol

Concen: 0.000 ng

Expected RT: 16.41 min

Lab File: BE096232.D

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ClientSampleId :

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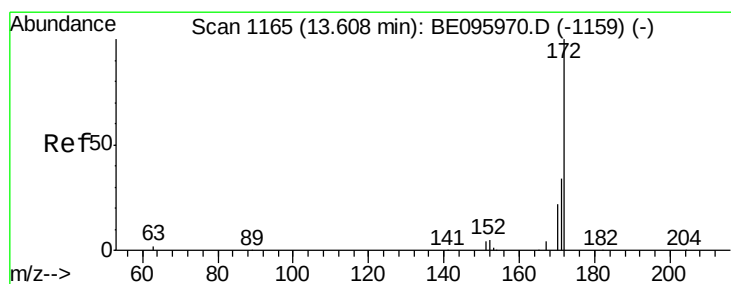
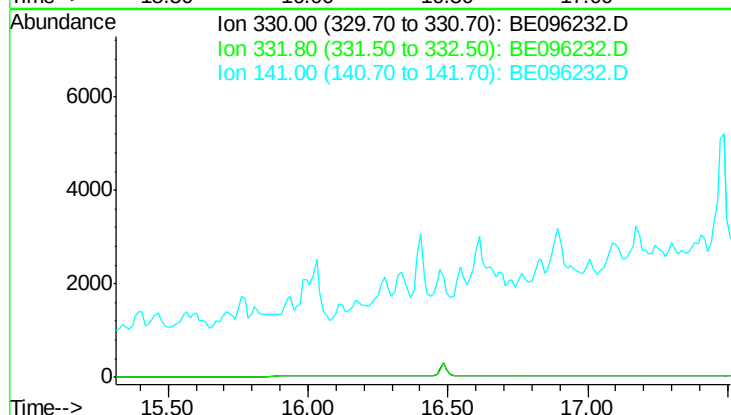
Tgt Ion: 330

Sig Exp Ratio

330 100

332 190.9

141 42.1



#15

2-Fluorobiphenyl

Concen: 0.206 ng

RT: 13.59 min Scan# 1163

Delta R.T. 0.01 min

Lab File: BE096232.D

Acq: 30 Apr 2018 21:23

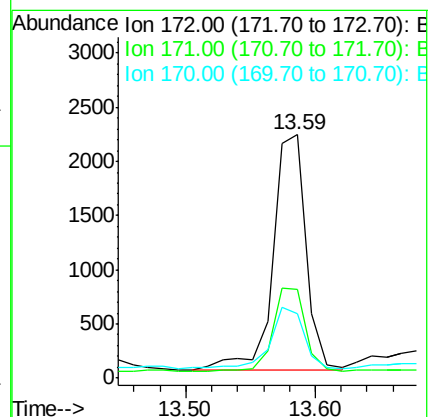
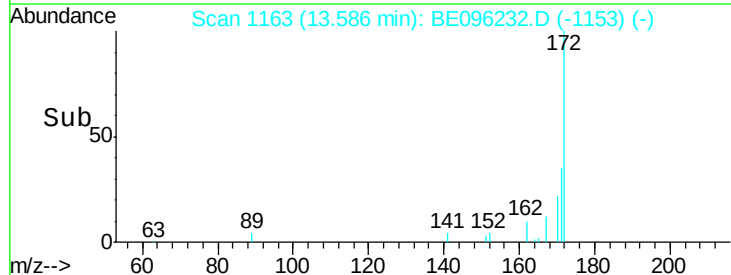
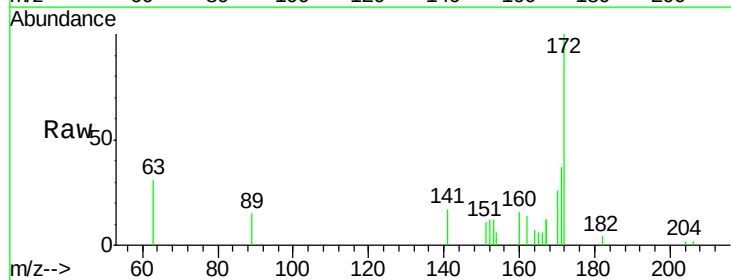
Tgt Ion: 172 Resp: 3900

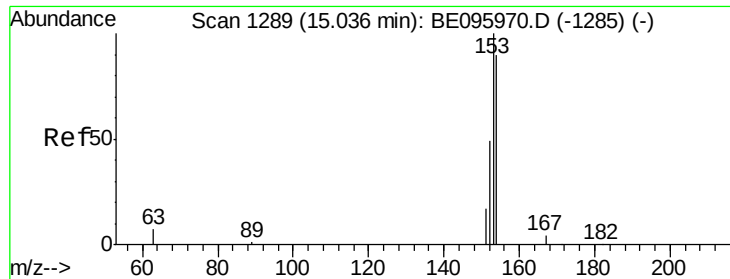
Ion Ratio Lower Upper

172 100

171 36.7 29.9 44.9

170 26.3 21.8 32.8





#17

Acenaphthene

Concen: 0.045 ng

RT: 15.01 min Scan# 1287

Delta R.T. 0.01 min

Lab File: BE096232.D

Acq: 30 Apr 2018 21:23

Instrument :

BNA_E

ClientSampleId :

BP-TT-AOC22-MW03-20180424

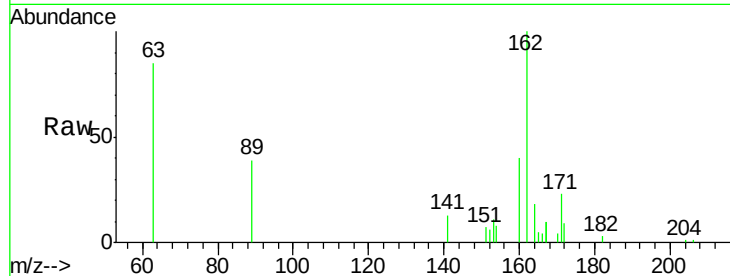
Tgt Ion:154 Resp: 633

Ion Ratio Lower Upper

154 100

153 0.0 89.2 133.8#

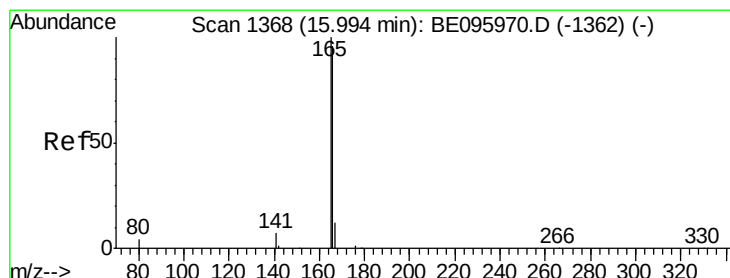
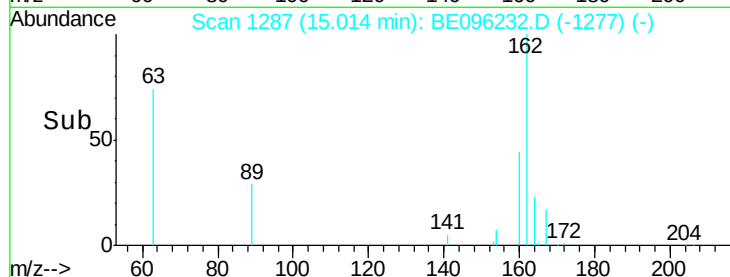
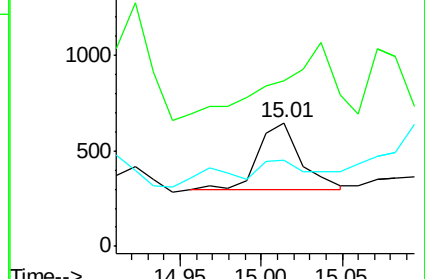
152 36.2 42.0 63.0#



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#18

Fluorene

Concen: 0.231 ng

RT: 16.01 min Scan# 1369

Delta R.T. 0.04 min

Lab File: BE096232.D

Acq: 30 Apr 2018 21:23

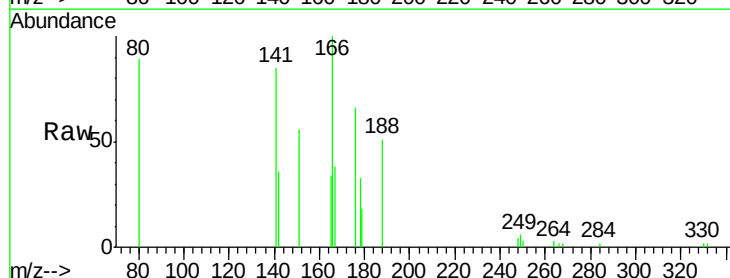
Tgt Ion:166 Resp: 4066

Ion Ratio Lower Upper

166 100

165 0.0 77.8 116.6#

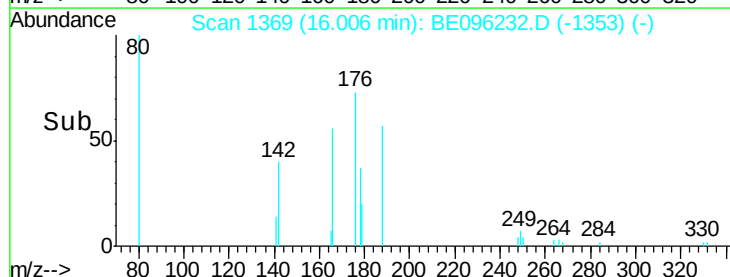
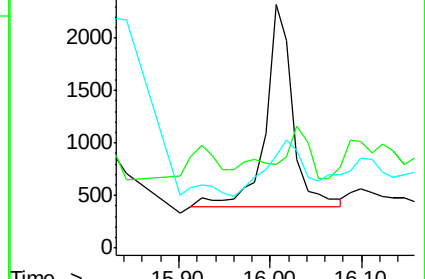
167 37.7 42.4 63.6#

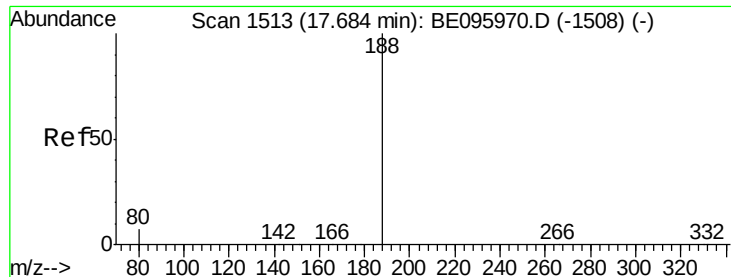


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.66 min Scan# 1511

Delta R.T. 0.01 min

Lab File: BE096232.D

Acq: 30 Apr 2018 21:23

Instrument :

BNA_E

ClientSampleId :

BP-TT-AOC22-MW03-20180424

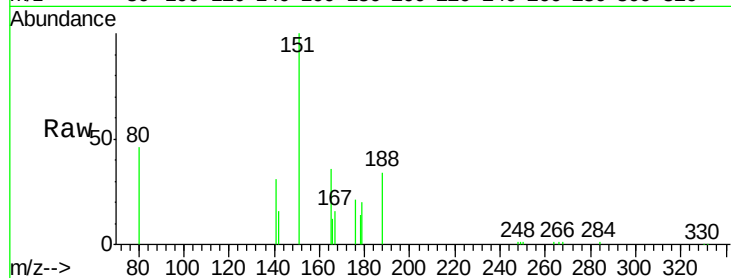
Tgt Ion:188 Resp: 3982

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

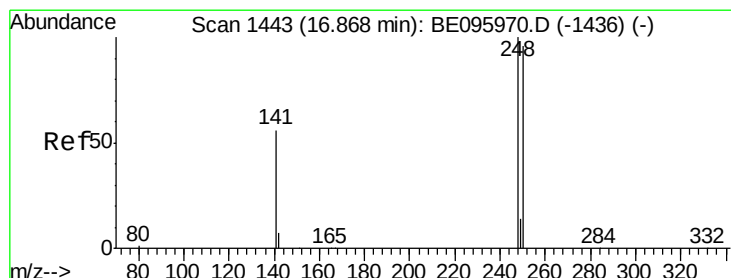
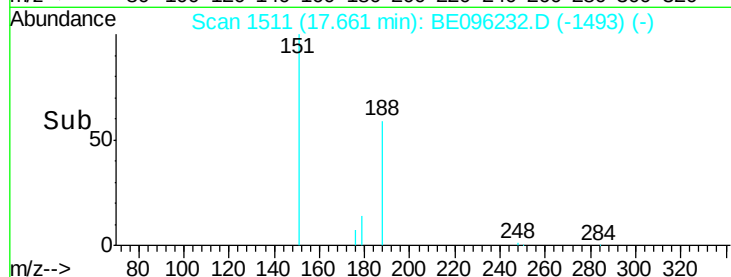
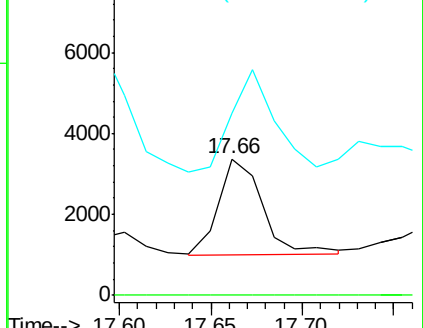
80 134.0 3.6 5.4#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



#20

4-Bromophenyl-phenylether

Concen: 0.036 ng

RT: 16.80 min Scan# 1437

Delta R.T. -0.03 min

Lab File: BE096232.D

Acq: 30 Apr 2018 21:23

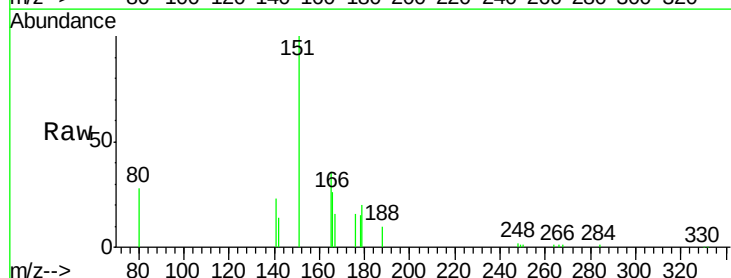
Tgt Ion:248 Resp: 85

Ion Ratio Lower Upper

248 100

250 55.2 62.7 94.1#

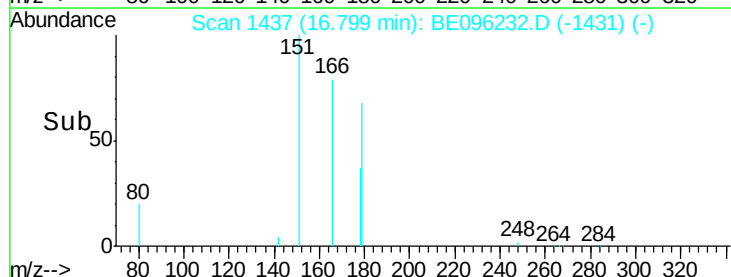
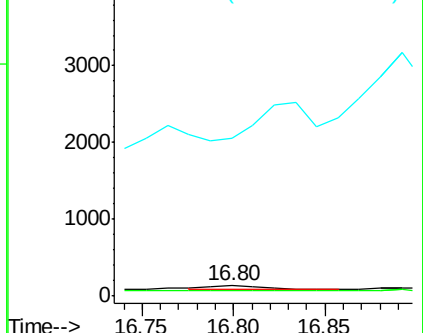
141 1539.6 48.2 72.2#

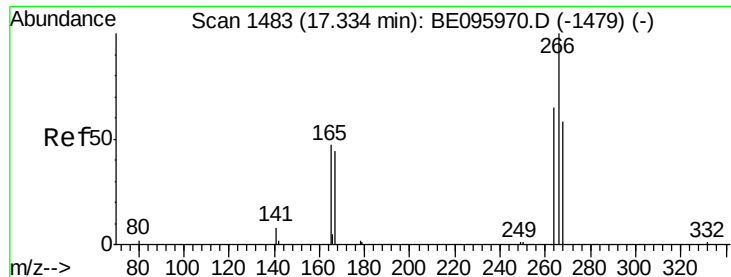


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#22

Pentachlorophenol

Concen: 0.312 ng

RT: 17.42 min Scan# 1490

Delta R.T. 0.11 min

Lab File: BE096232.D

Acq: 30 Apr 2018 21:23

Instrument :

BNA_E

ClientSampleId :

BP-TT-AOC22-MW03-20180424

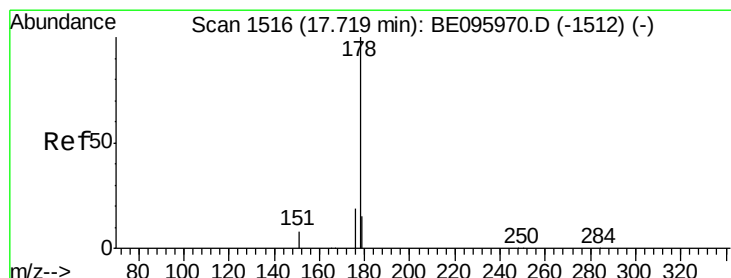
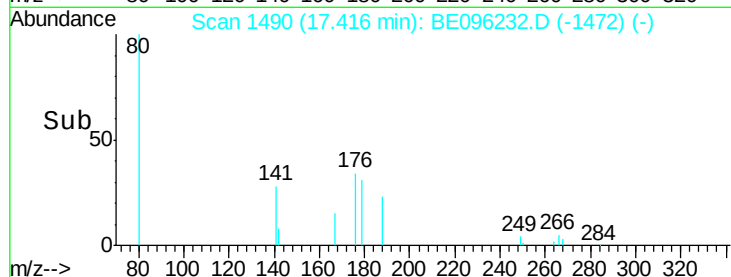
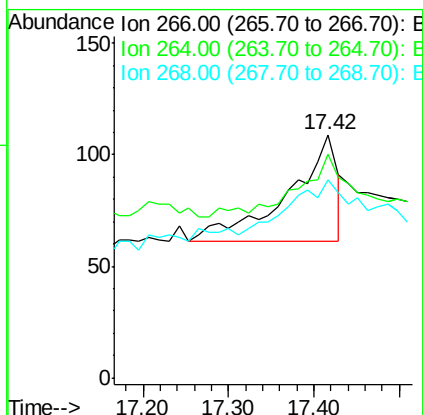
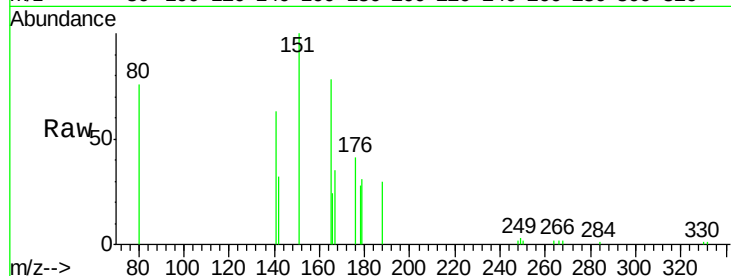
Tgt Ion:266 Resp: 192

Ion Ratio Lower Upper

266 100

264 91.7 72.5 108.7

268 81.7 73.8 110.6



#23

Phenanthrene

Concen: 0.310 ng

RT: 17.70 min Scan# 1514

Delta R.T. 0.00 min

Lab File: BE096232.D

Acq: 30 Apr 2018 21:23

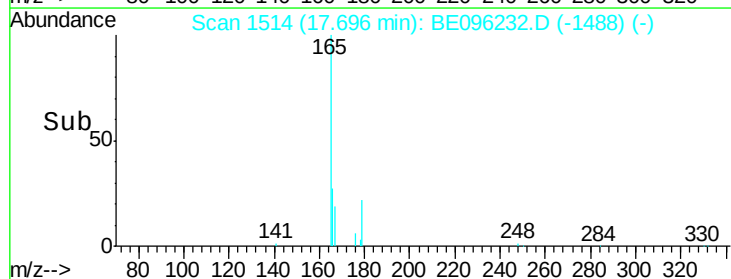
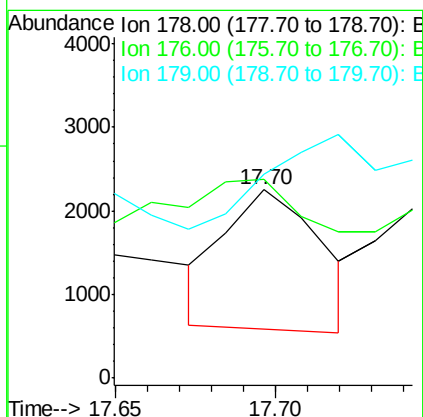
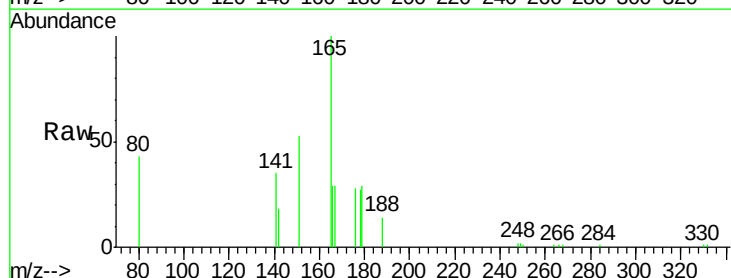
Tgt Ion:178 Resp: 3468

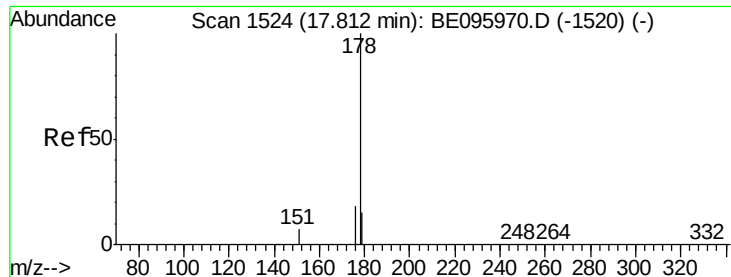
Ion Ratio Lower Upper

178 100

176 0.0 15.1 22.7#

179 0.0 11.8 17.6#





#24

Anthracene

Concen: 0.657 ng

RT: 17.78 min Scan# 1521

Delta R.T. 0.00 min

Lab File: BE096232.D

Acq: 30 Apr 2018 21:23

Instrument :

BNA_E

ClientSampleId :

BP-TT-AOC22-MW03-20180424

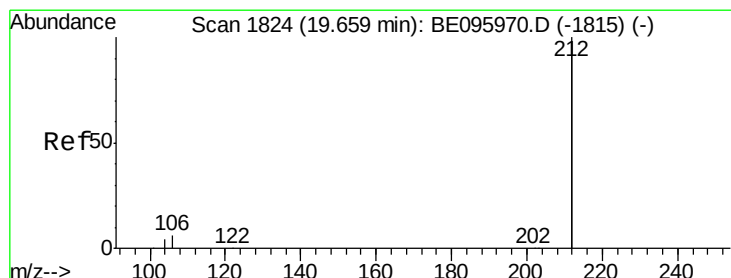
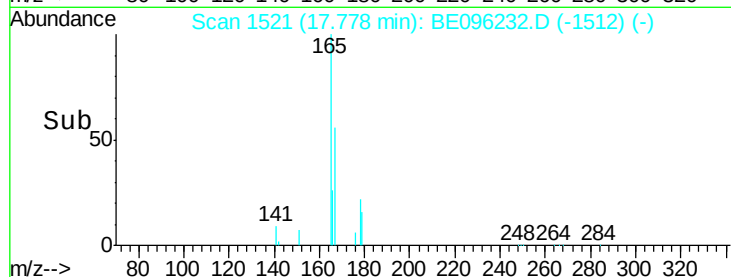
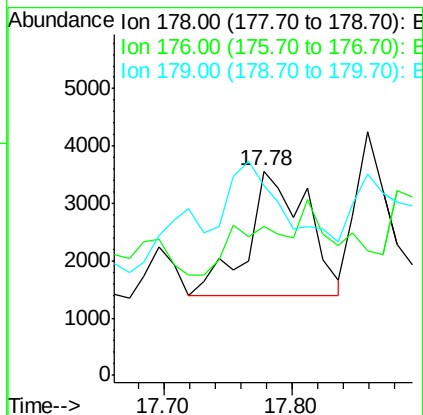
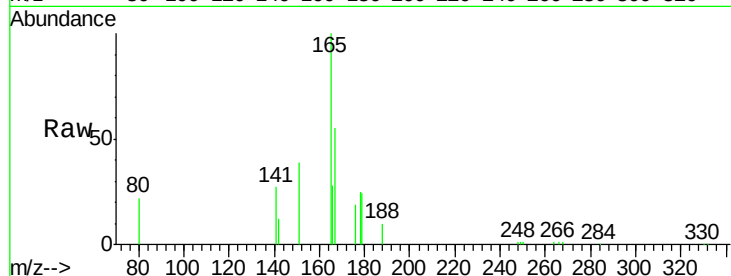
Tgt Ion:178 Resp: 7028

Ion Ratio Lower Upper

178 100

176 0.0 12.8 19.2#

179 51.4 13.0 19.6#



#25

Fluoranthene-d10

Concen: 0.359 ng

RT: 19.65 min Scan# 1822

Delta R.T. 0.01 min

Lab File: BE096232.D

Acq: 30 Apr 2018 21:23

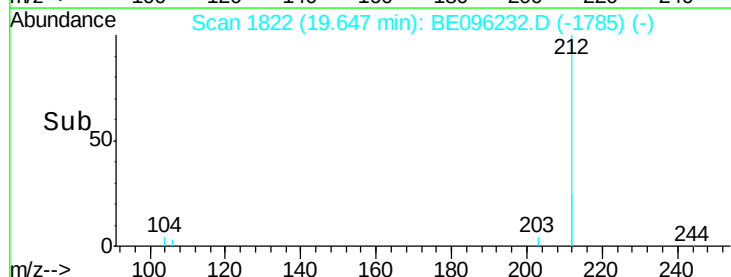
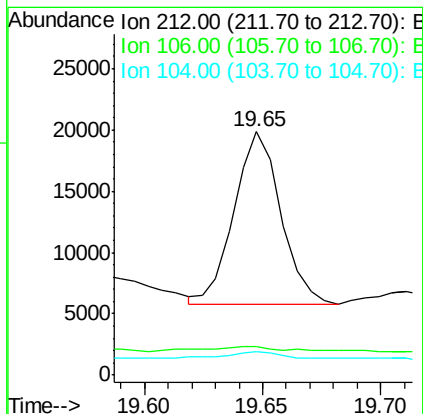
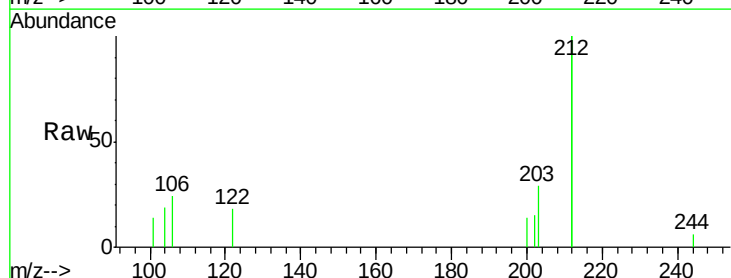
Tgt Ion:212 Resp: 19396

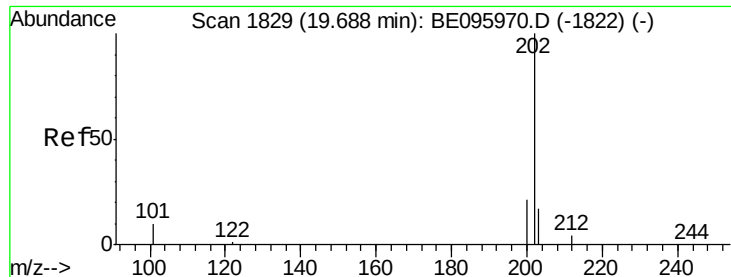
Ion Ratio Lower Upper

212 100

106 8.5 2.8 4.2#

104 5.0 1.6 2.4#





#26

Fluoranthene

Concen: 0.053 ng

RT: 19.64 min Scan# 1820

Delta R.T. -0.03 min

Lab File: BE096232.D

Acq: 30 Apr 2018 21:23

Instrument :

BNA_E

ClientSampleId :

BP-TT-AOC22-MW03-20180424

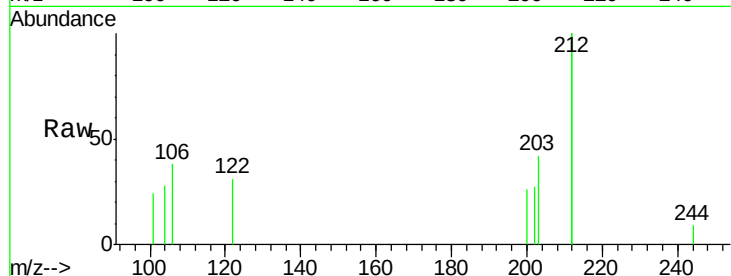
Tgt Ion:202 Resp: 772

Ion Ratio Lower Upper

202 100

101 42.6 9.8 14.8#

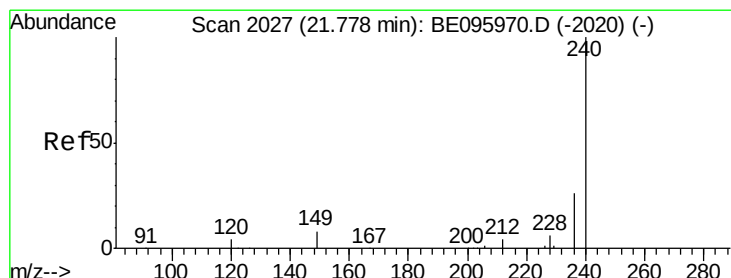
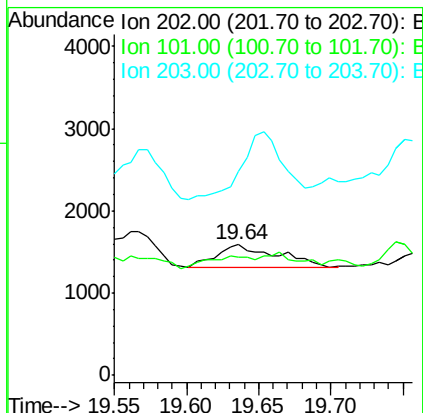
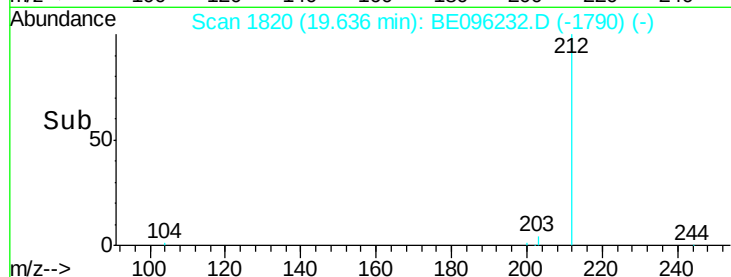
203 0.0 13.7 20.5#



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.75 min Scan# 2025

Delta R.T. 0.01 min

Lab File: BE096232.D

Acq: 30 Apr 2018 21:23

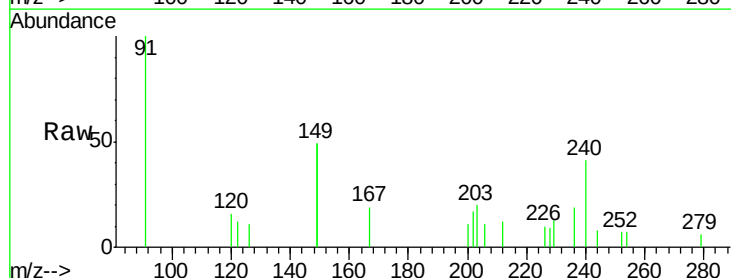
Tgt Ion:240 Resp: 4119

Ion Ratio Lower Upper

240 100

120 38.9 5.5 8.3#

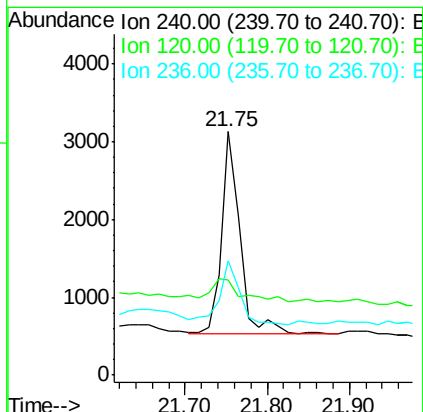
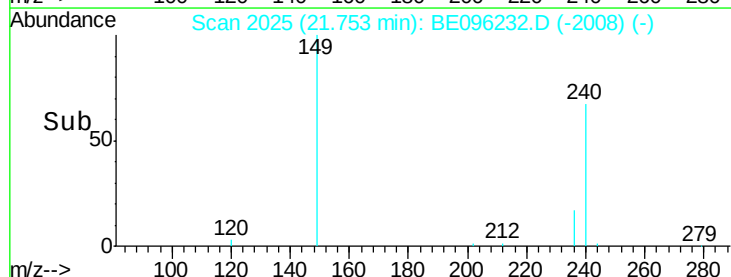
236 47.1 20.7 31.1#

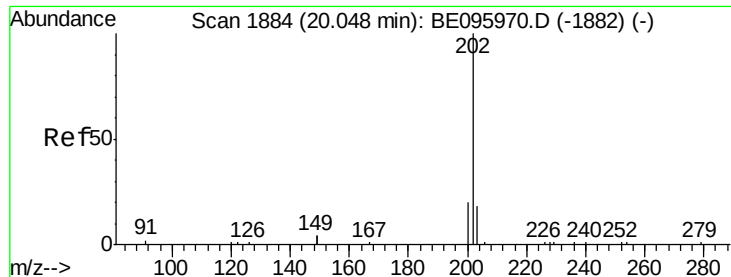


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#28

Pyrene

Concen: 0.124 ng

RT: 20.00 min Scan# 1883

Delta R.T. -0.00 min

Lab File: BE096232.D

Acq: 30 Apr 2018 21:23

Instrument :

BNA_E

ClientSampleId :

BP-TT-AOC22-MW03-20180424

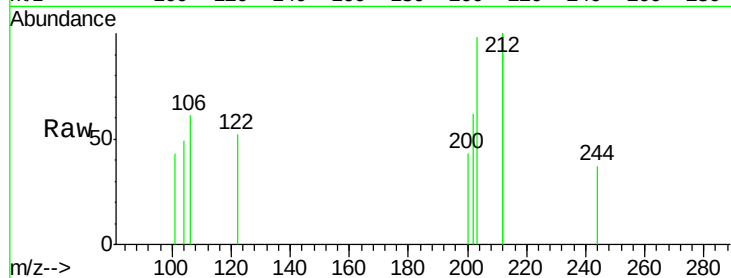
Tgt Ion:202 Resp: 1005

Ion Ratio Lower Upper

202 100

200 0.0 16.6 25.0#

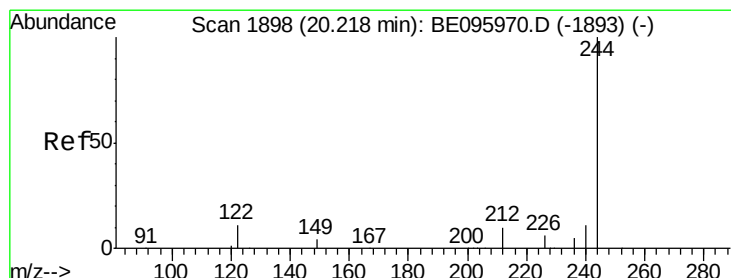
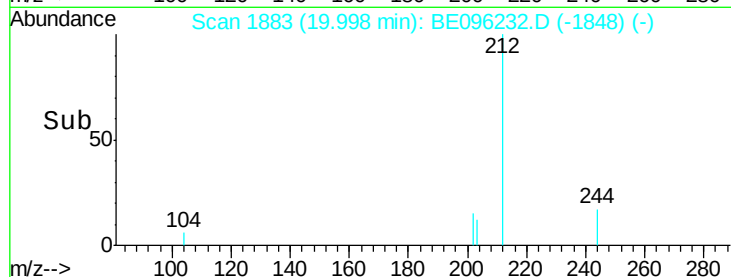
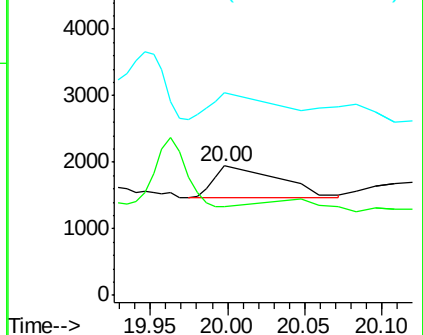
203 100.6 13.8 20.8#



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#29

Terphenyl-d14

Concen: 0.433 ng

RT: 20.20 min Scan# 1897

Delta R.T. 0.01 min

Lab File: BE096232.D

Acq: 30 Apr 2018 21:23

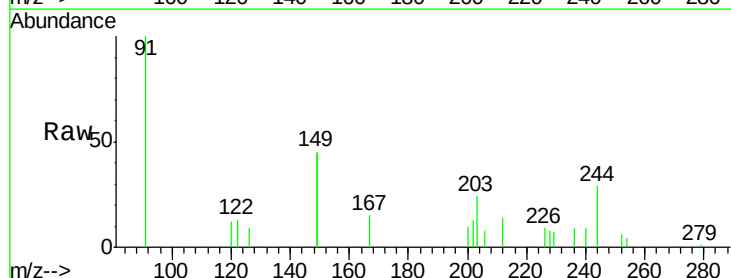
Tgt Ion:244 Resp: 3938

Ion Ratio Lower Upper

244 100

212 47.6 25.4 38.0#

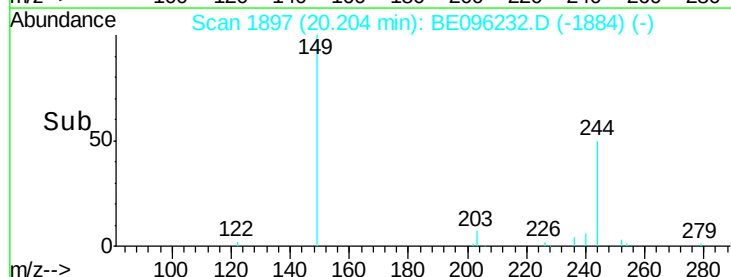
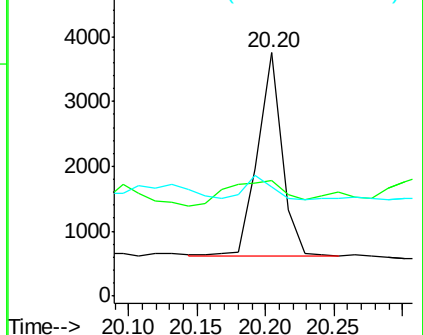
122 45.1 8.1 12.1#

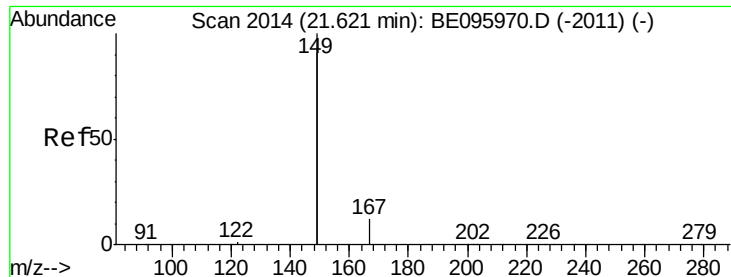


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

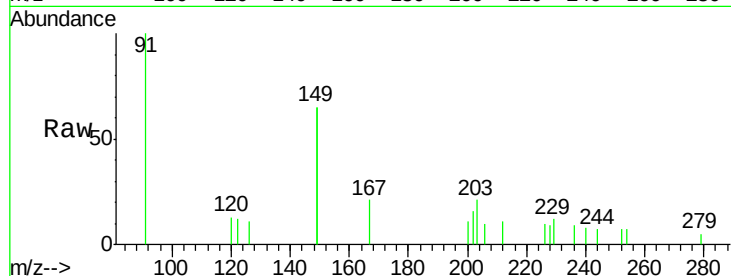




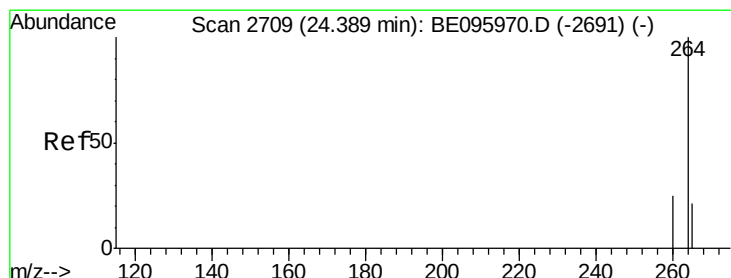
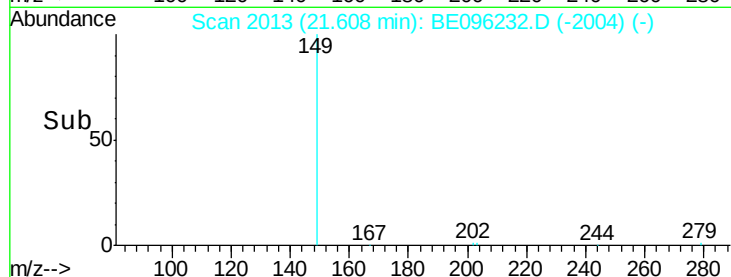
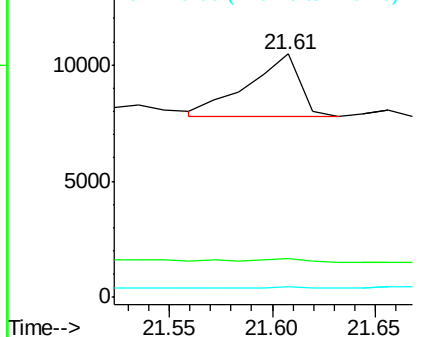
#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.138 ng
 RT: 21.61 min Scan# 2013
 Delta R.T. 0.01 min
 Lab File: BE096232.D
 Acq: 30 Apr 2018 21:23

Instrument :
 BNA_E
 ClientSampleId :
 BP-TT-AOC22-MW03-20180424

Tgt Ion:149 Resp: 4719
 Ion Ratio Lower Upper
 149 100
 167 5.4 5.4 8.0
 279 0.6 0.7 1.1#

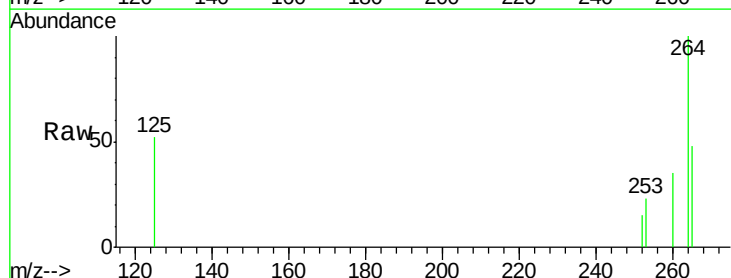


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 24.36 min Scan# 2702
 Delta R.T. 0.01 min
 Lab File: BE096232.D
 Acq: 30 Apr 2018 21:23

Tgt Ion:264 Resp: 3670
 Ion Ratio Lower Upper
 264 100
 260 35.3 20.5 30.7#
 265 47.8 22.8 34.2#



Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E

