

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE032519\
 Data File : BE099191.D
 Acq On : 25 Mar 2019 22:07
 Operator : JU/SJ
 Sample : K2020-02
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 KY038PS027-190318

Quant Time: Mar 26 07:09:34 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE032519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 26 07:02:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.83	152	3449	0.40	ng	-0.01
7) Naphthalene-d8	10.63	136	15329	0.40	ng	0.00
13) Acenaphthene-d10	14.49	164	12392	0.40	ng	0.00
19) Phenanthrene-d10	17.21	188	35914	0.40	ng	0.00
27) Chrysene-d12	21.38	240	40019	0.40	ng	-0.01
34) Perylene-d12	23.89	264	39563	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.41	112	1594	0.15	ng	0.00
5) Phenol-d6	6.99	99	1286	0.08	ng	0.00
8) Nitrobenzene-d5	8.99	82	4674	0.37	ng	0.00
11) 2-Methylnaphthalene-d10	12.22	152	10986	0.37	ng	0.00
14) 2,4,6-Tribromophenol	15.96	330	2463	0.58	ng	0.00
15) 2-Fluorobiphenyl	13.10	172	20452	0.40	ng	0.00
25) Fluoranthene-d10	19.24	212	176792	0.41	ng	0.00
29) Terphenyl-d14	19.83	244	34662	0.40	ng	0.00

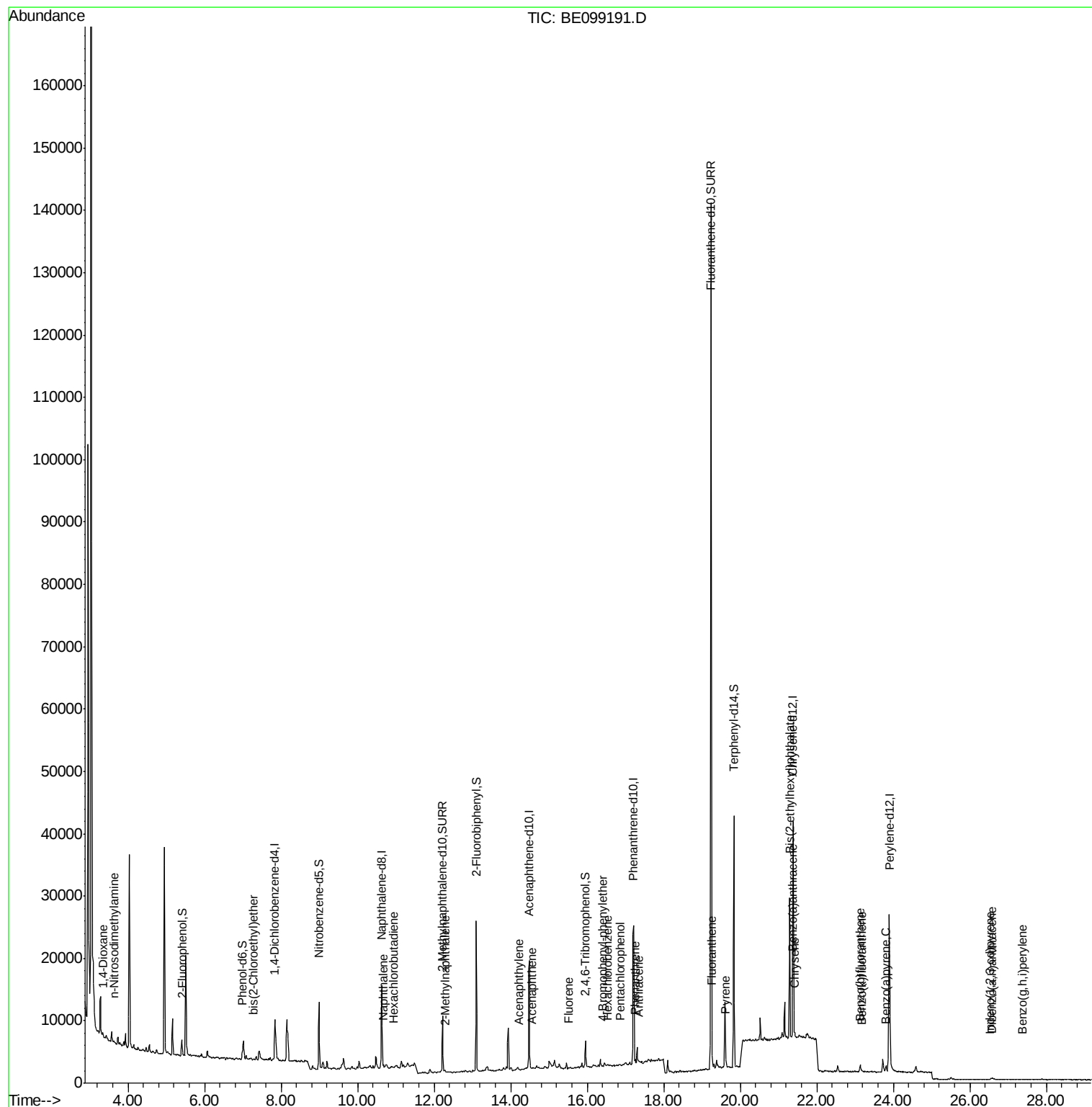
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.34	88	431	0.095	ng	# 79
3) n-Nitrosodimethylamine	3.64	42	40	0.016	ng	# 1
6) bis(2-Chloroethyl)ether	7.27	93	33	0.003	ng	# 5
9) Naphthalene	10.68	128	552	0.003	ng	# 73
10) Hexachlorobutadiene	10.94	225	16	0.002	ng	# 59
12) 2-Methylnaphthalene	12.30	142	69	0.002	ng	# 8
16) Acenaphthylene	14.21	152	54	0.001	ng	# 1
17) Acenaphthene	14.56	154	56	0.001	ng	# 75
18) Fluorene	15.51	166	81	0.002	ng	# 1
20) 4-Bromophenyl-phenylether	16.41	248	22	0.001	ng	# 4
21) Hexachlorobenzene	16.52	284	23	0.001	ng	# 1
22) Pentachlorophenol	16.87	266	115	0.274	ng	84
23) Phenanthrene	17.26	178	584	0.006	ng	# 36
24) Anthracene	17.35	178	799	0.008	ng	# 88
26) Fluoranthene	19.27	202	526	0.004	ng	# 91
28) Pyrene	19.63	202	905	0.007	ng	# 72
30) Benzo(a)anthracene	21.37	228	577	0.004	ng	# 7
31) Chrysene	21.41	228	265	0.002	ng	# 1
32) Bis(2-ethylhexyl)phthalate	21.29	149	26813	0.170	ng	99
33) Indeno(1,2,3-cd)pyrene	26.54	276	63	0.000	ng	# 72
35) Benzo(b)fluoranthene	23.12	252	370	0.003	ng	# 1
36) Benzo(k)fluoranthene	23.17	252	233	0.002	ng	# 1
37) Benzo(a)pyrene	23.79	252	148	0.001	ng	# 1
38) Dibenzo(a,h)anthracene	26.57	278	10	0.000	ng	# 1
39) Benzo(g,h,i)perylene	27.37	276	16	0.000	ng	# 1

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

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.83 min Scan# 431

Delta R.T. -0.01 min

Lab File: BE099191.D

Acq: 25 Mar 2019 22:07

Instrument :

BNA_E

ClientSampleId :

KY038PS027-190318

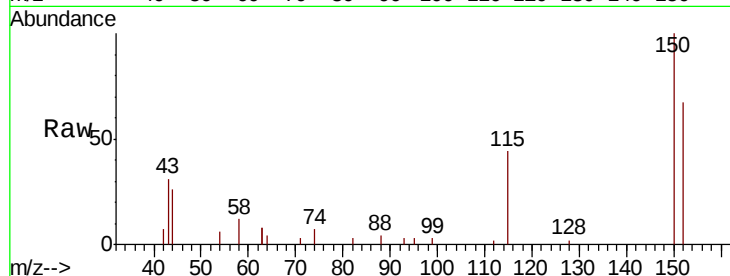
Tgt Ion:152 Resp: 3449

Ion Ratio Lower Upper

152 100

150 148.5 112.8 169.2

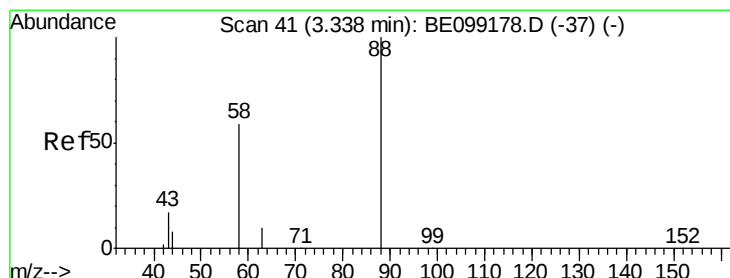
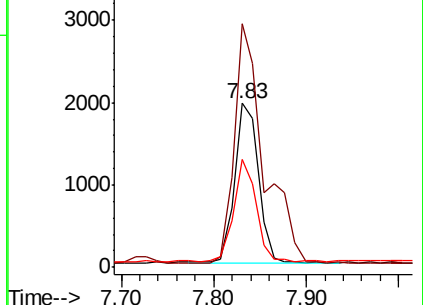
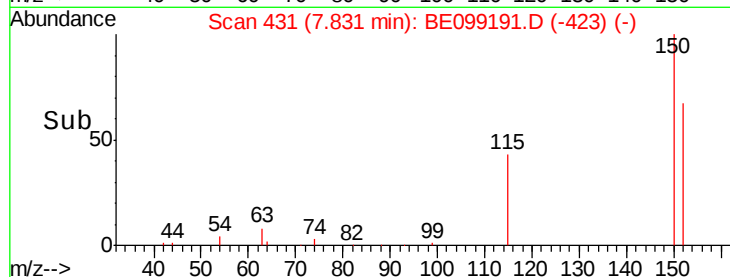
115 66.0 45.1 67.7



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 0.095 ng

RT: 3.34 min Scan# 41

Delta R.T. 0.00 min

Lab File: BE099191.D

Acq: 25 Mar 2019 22:07

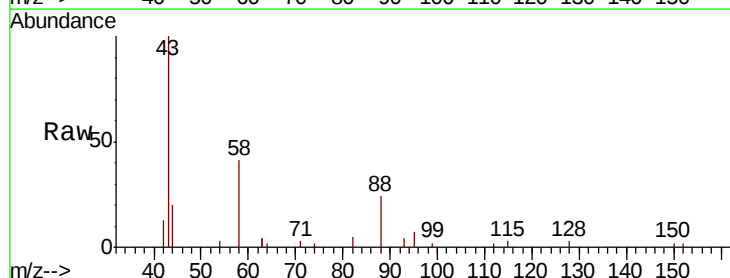
Tgt Ion: 88 Resp: 431

Ion Ratio Lower Upper

88 100

58 69.4 47.4 71.0

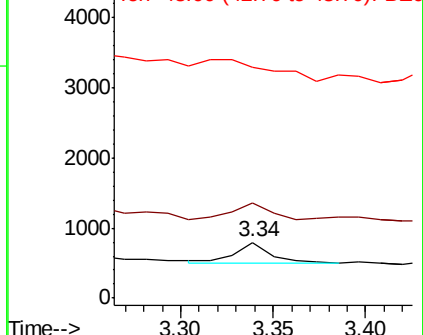
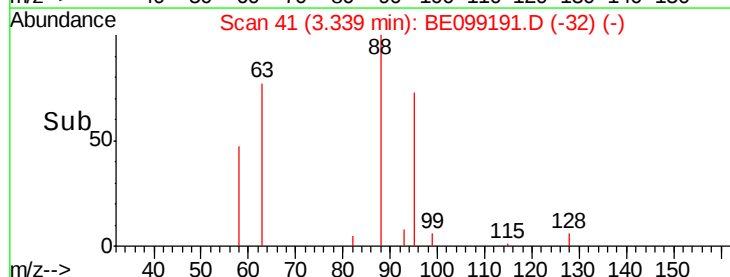
43 0.0 15.6 23.4#



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: 0.016 ng

RT: 3.64 min Scan# 67

Delta R.T. -0.03 min

Lab File: BE099191.D

Acq: 25 Mar 2019 22:07

Instrument :

BNA_E

ClientSampleId :

KY038PS027-190318

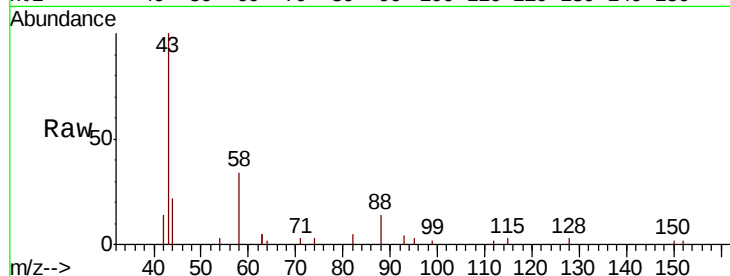
Tgt Ion: 42 Resp: 40

Ion Ratio Lower Upper

42 100

74 0.0 138.6 207.8#

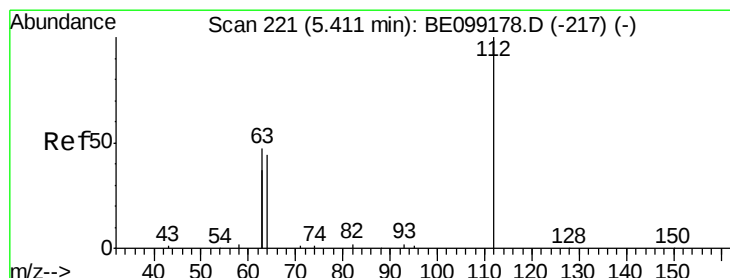
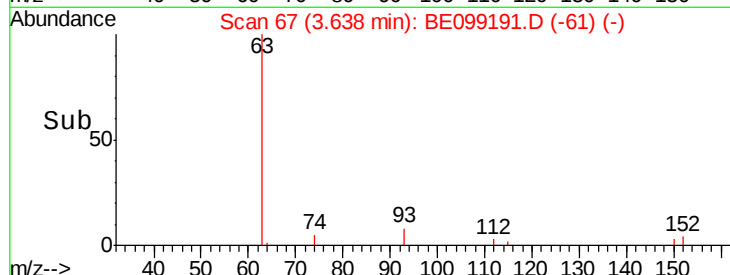
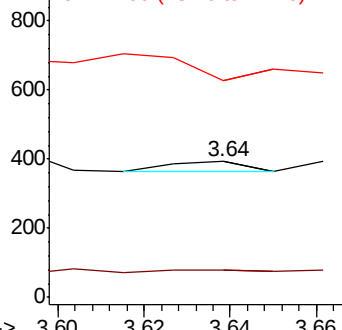
44 0.0 15.0 22.6#



Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0



#4

2-Fluorophenol

Concen: 0.155 ng

RT: 5.41 min Scan# 221

Delta R.T. 0.00 min

Lab File: BE099191.D

Acq: 25 Mar 2019 22:07

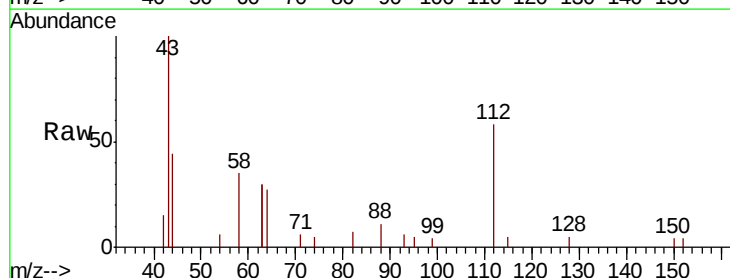
Tgt Ion: 112 Resp: 1594

Ion Ratio Lower Upper

112 100

64 53.9 46.2 69.2

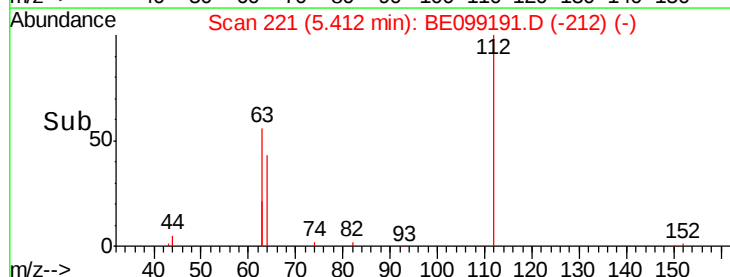
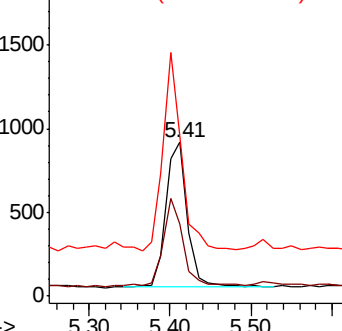
63 117.8 89.9 134.9

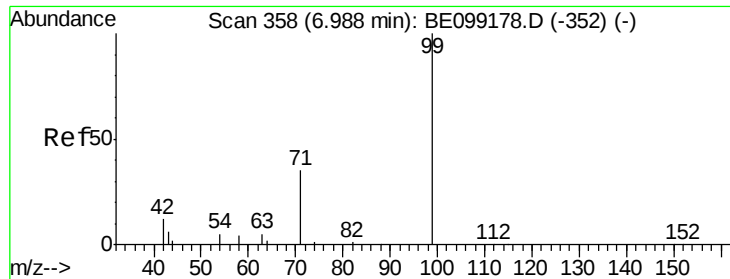


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.082 ng

RT: 6.99 min Scan# 358

Delta R.T. 0.00 min

Lab File: BE099191.D

Acq: 25 Mar 2019 22:07

Instrument :

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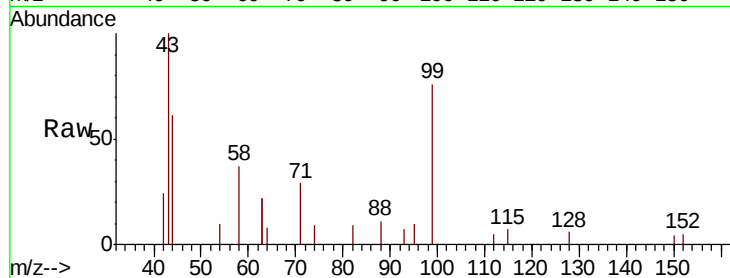
Tgt Ion: 99 Resp: 1286

Ion Ratio Lower Upper

99 100

42 21.4 12.4 18.6#

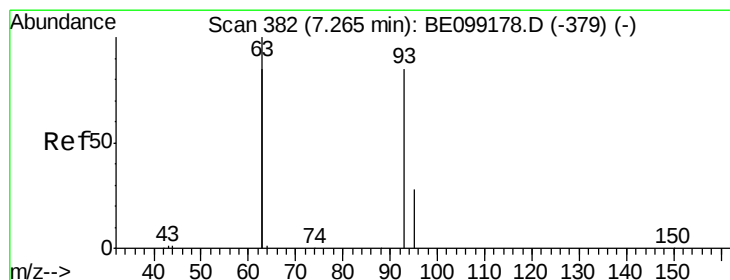
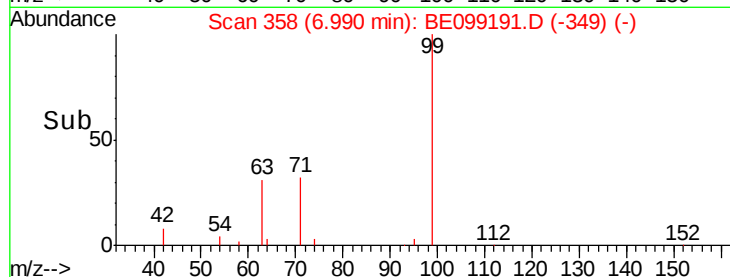
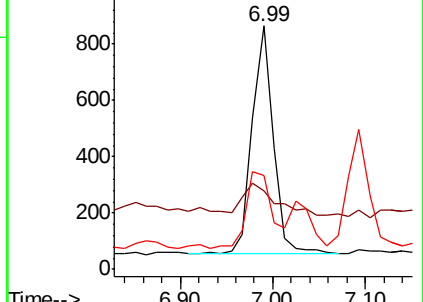
71 42.1 28.4 42.6



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: 0.003 ng

RT: 7.27 min Scan# 382

Delta R.T. 0.00 min

Lab File: BE099191.D

Acq: 25 Mar 2019 22:07

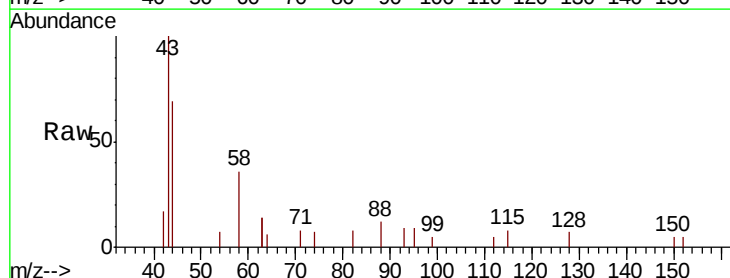
Tgt Ion: 93 Resp: 33

Ion Ratio Lower Upper

93 100

63 90.9 221.4 332.0#

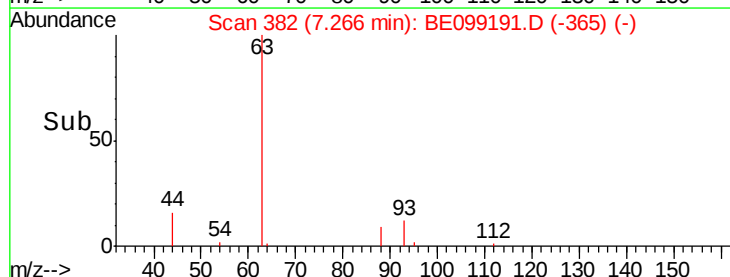
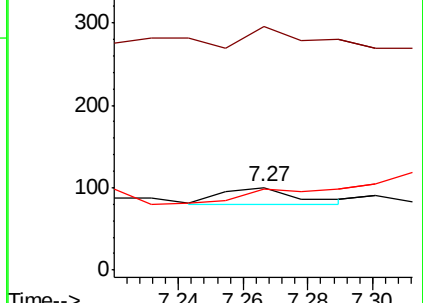
95 0.0 25.8 38.8#



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: 10.63 min Scan# 651

Delta R.T. 0.00 min

Lab File: BE099191.D

Acq: 25 Mar 2019 22:07

Instrument :

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KY038PS027-190318

Tgt Ion: 136 Resp: 15329

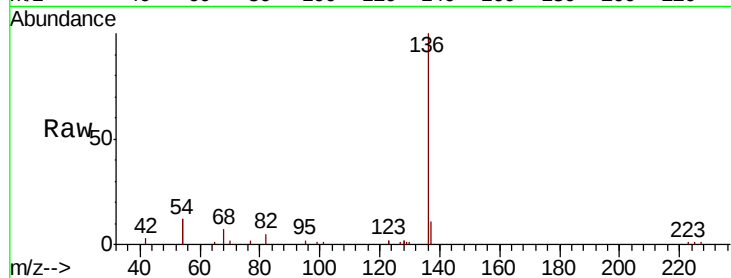
Ion Ratio Lower Upper

136 100

137 10.7 8.7 13.1

54 24.6 18.7 28.1

68 7.1 5.2 7.8

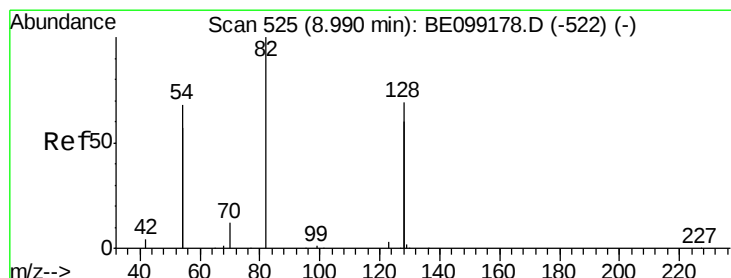
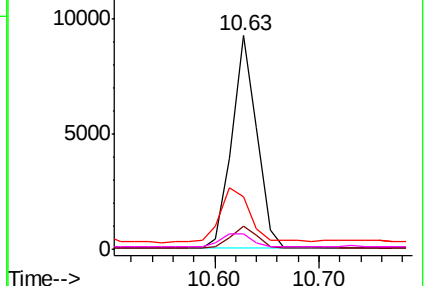
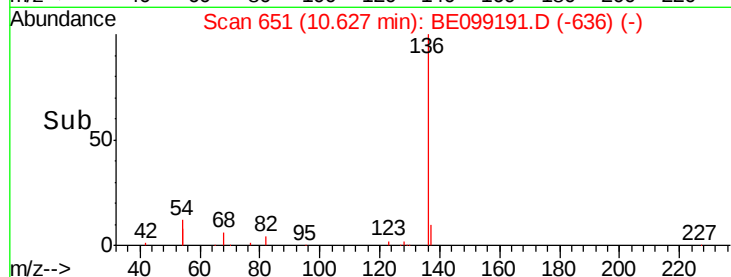


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.373 ng

RT: 8.99 min Scan# 525

Delta R.T. 0.00 min

Lab File: BE099191.D

Acq: 25 Mar 2019 22:07

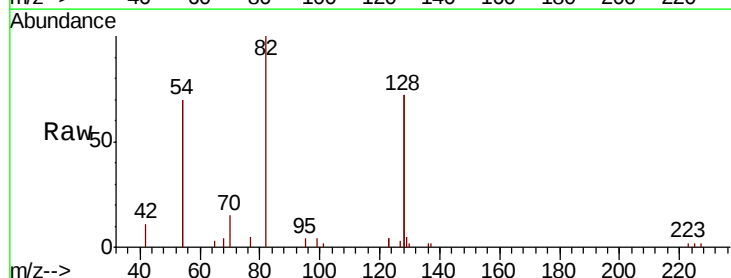
Tgt Ion: 82 Resp: 4674

Ion Ratio Lower Upper

82 100

128 144.3 107.5 161.3

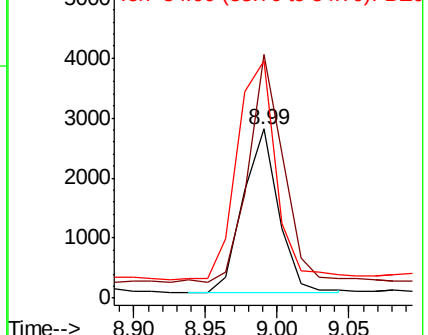
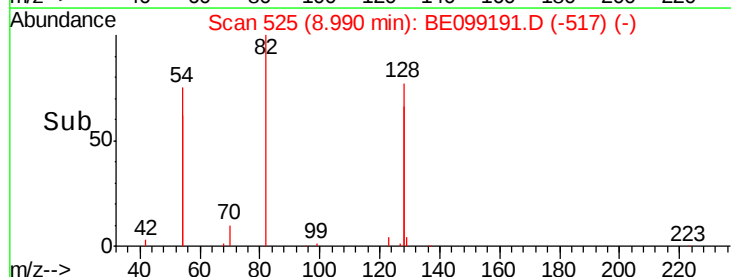
54 140.7 106.3 159.5

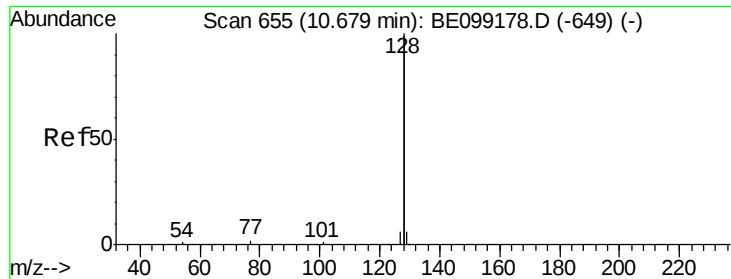


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.003 ng

RT: 10.68 min Scan# 655

Delta R.T. 0.00 min

Lab File: BE099191.D

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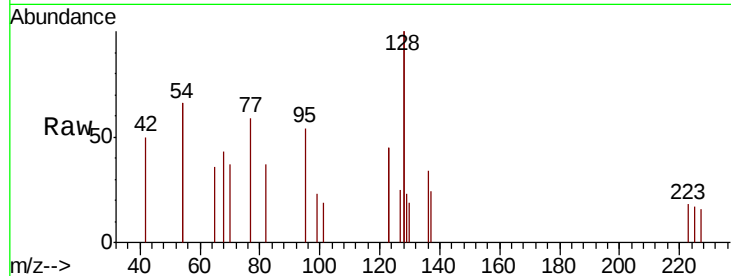
Tgt Ion:128 Resp: 552

Ion Ratio Lower Upper

128 100

129 11.3 2.3 3.5#

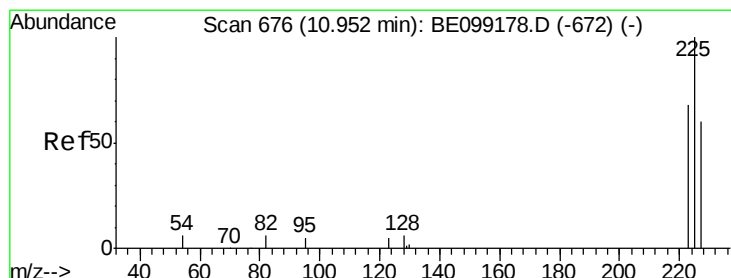
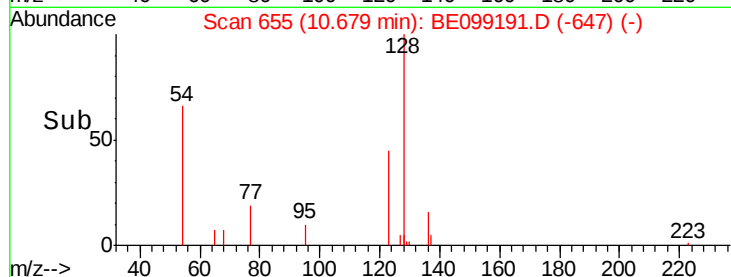
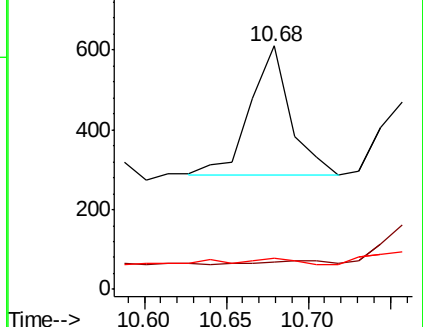
127 12.6 2.6 3.8#



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



#10

Hexachlorobutadiene

Concen: 0.002 ng

RT: 10.94 min Scan# 675

Delta R.T. -0.01 min

Lab File: BE099191.D

Acq: 25 Mar 2019 22:07

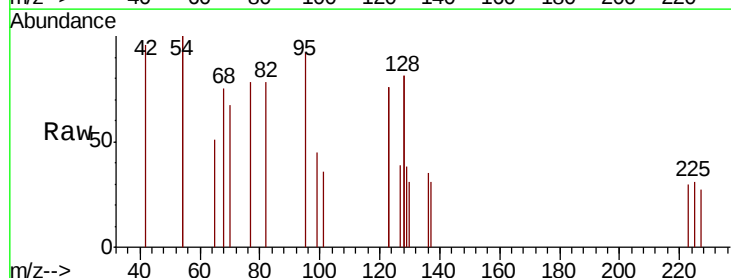
Tgt Ion:225 Resp: 16

Ion Ratio Lower Upper

225 100

223 125.0 51.3 76.9#

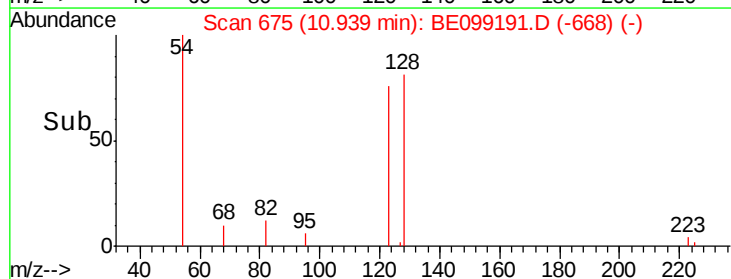
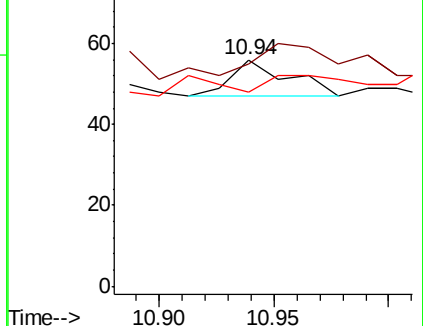
227 62.5 48.6 73.0

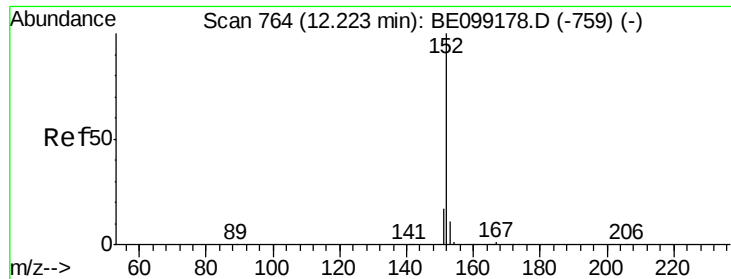


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

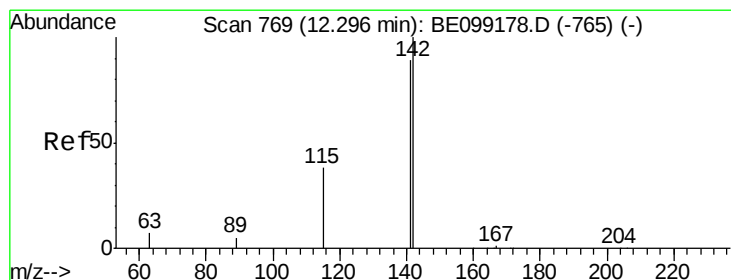
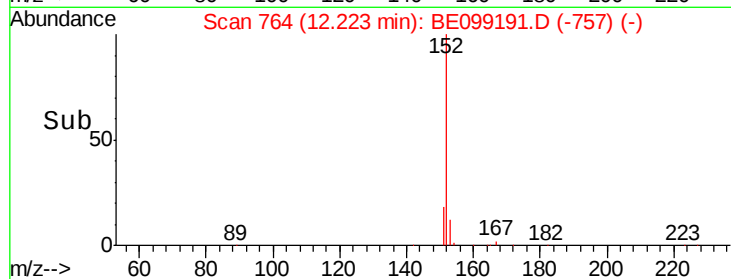
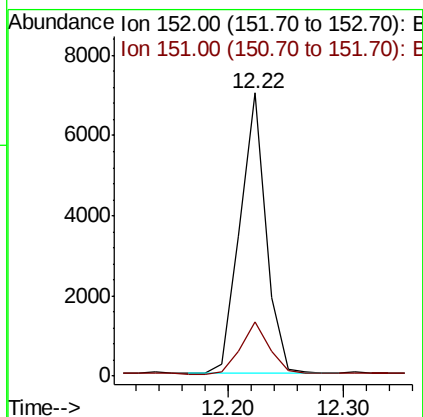
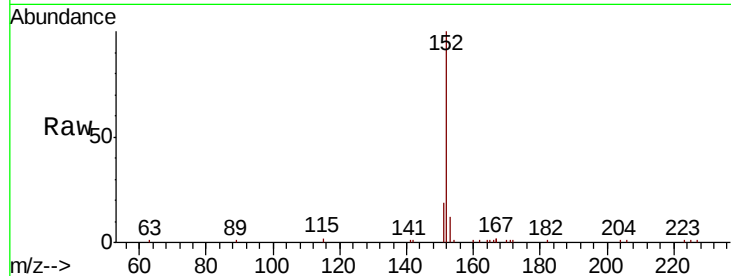




#11
 2-Methylnaphthalene-d10
 Concen: 0.372 ng
 RT: 12.22 min Scan# 764
 Delta R.T. -0.00 min
 Lab File: BE099191.D
 Acq: 25 Mar 2019 22:07

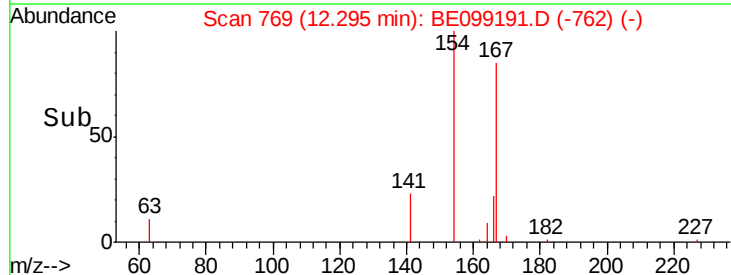
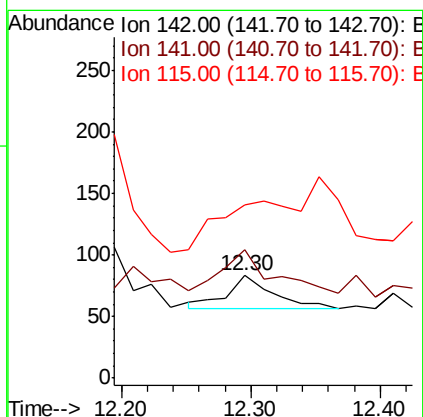
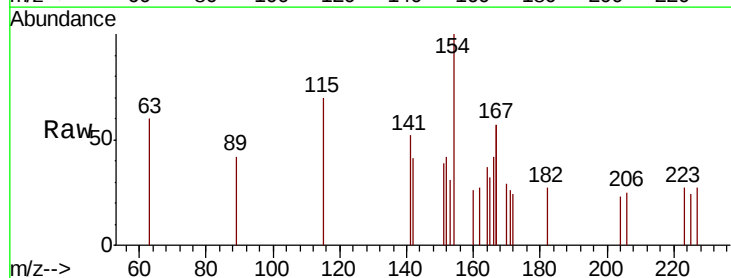
Instrument :
 BNA_E
 ClientSampleId :
 KY038PS027-190318

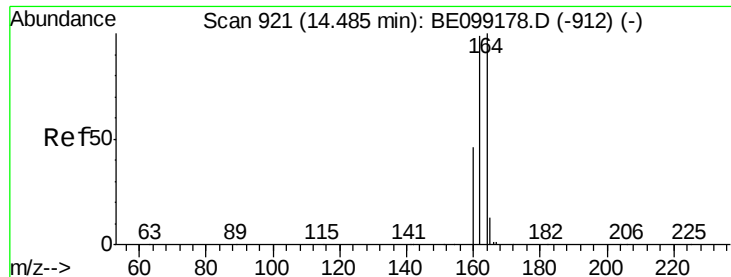
Tgt Ion:152 Resp: 10986
 Ion Ratio Lower Upper
 152 100
 151 20.3 15.0 22.6



#12
 2-Methylnaphthalene
 Concen: 0.002 ng
 RT: 12.30 min Scan# 769
 Delta R.T. -0.00 min
 Lab File: BE099191.D
 Acq: 25 Mar 2019 22:07

Tgt Ion:142 Resp: 69
 Ion Ratio Lower Upper
 142 100
 141 125.3 71.3 106.9#
 115 169.9 30.4 45.6#

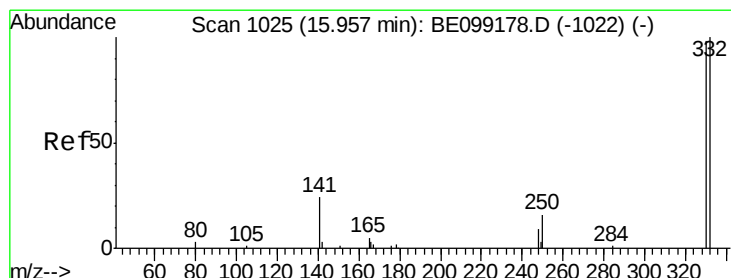
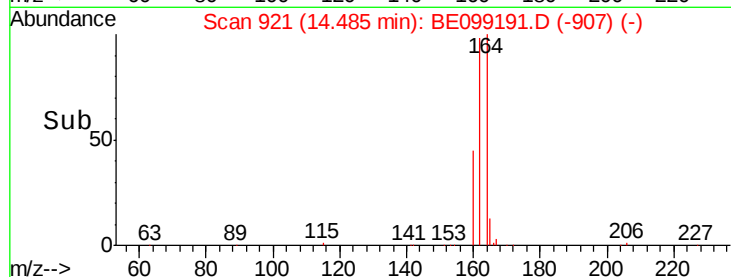
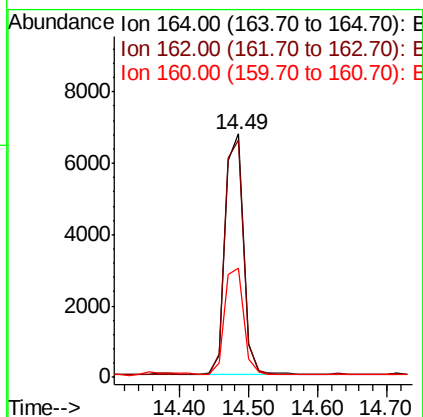
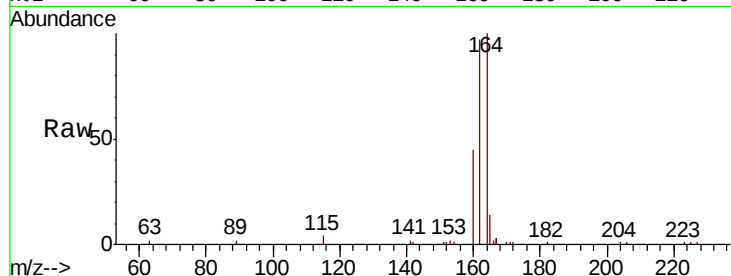




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.49 min Scan# 921
Delta R.T. -0.00 min
Lab File: BE099191.D
Acq: 25 Mar 2019 22:07

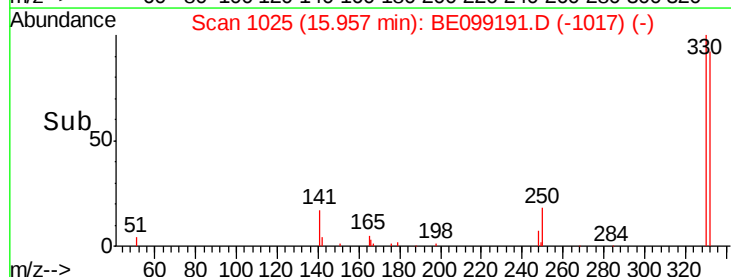
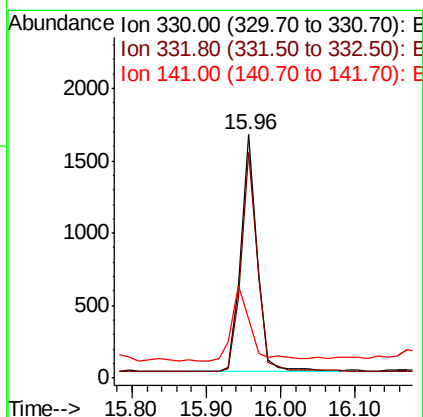
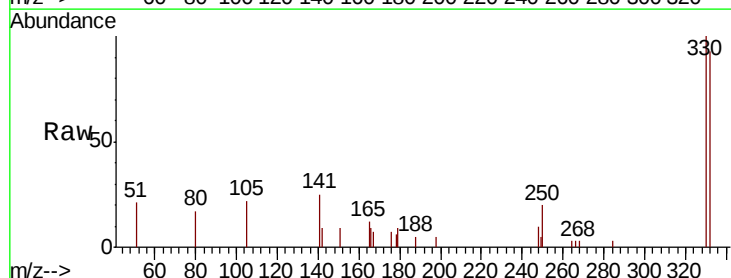
Instrument :
BNA_E
ClientSampleId :
KY038PS027-190318

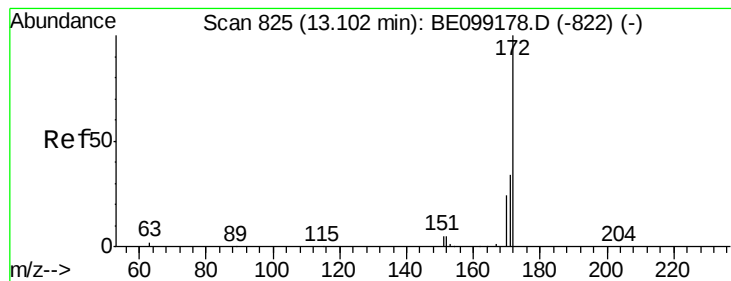
Tgt Ion:164 Resp: 12392
Ion Ratio Lower Upper
164 100
162 97.3 79.2 118.8
160 44.8 36.7 55.1



#14
2,4,6-Tribromophenol
Concen: 0.577 ng
RT: 15.96 min Scan# 1025
Delta R.T. 0.00 min
Lab File: BE099191.D
Acq: 25 Mar 2019 22:07

Tgt Ion:330 Resp: 2463
Ion Ratio Lower Upper
330 100
332 94.5 71.3 106.9
141 38.9 21.7 32.5#





#15

2-Fluorobiphenyl

Concen: 0.405 ng

RT: 13.10 min Scan# 825

Delta R.T. -0.00 min

Lab File: BE099191.D

Acq: 25 Mar 2019 22:07

Instrument :

BNA_E

ClientSampleId :

KY038PS027-190318

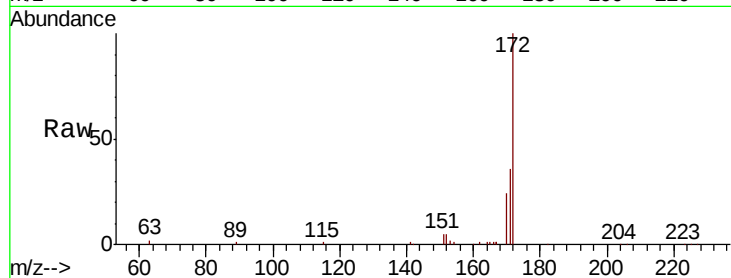
Tgt Ion:172 Resp: 20452

Ion Ratio Lower Upper

172 100

171 35.5 27.4 41.0

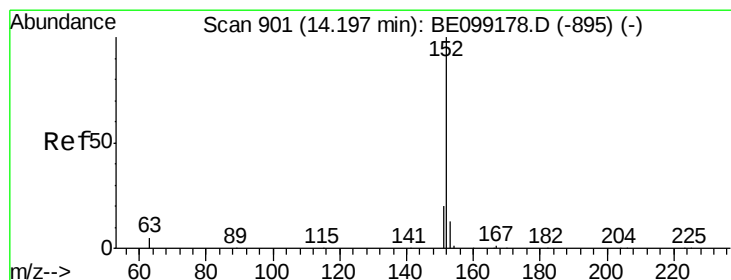
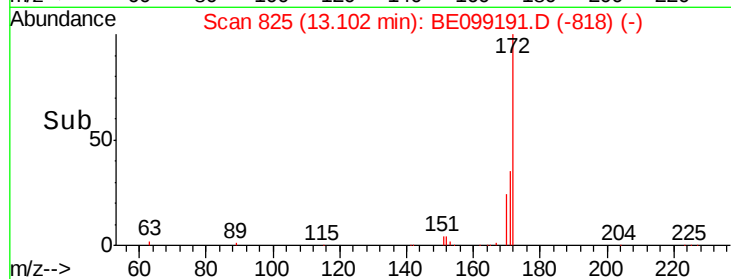
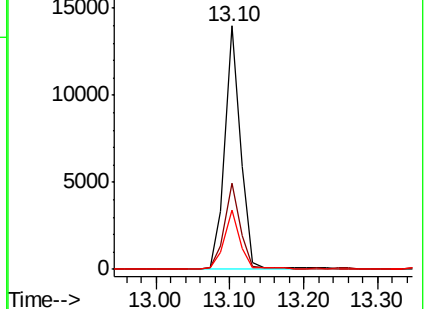
170 24.4 19.1 28.7



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: 0.001 ng

RT: 14.21 min Scan# 902

Delta R.T. 0.01 min

Lab File: BE099191.D

Acq: 25 Mar 2019 22:07

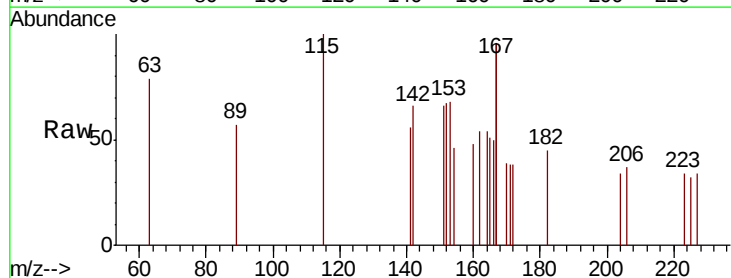
Tgt Ion:152 Resp: 54

Ion Ratio Lower Upper

152 100

151 0.0 15.7 23.5#

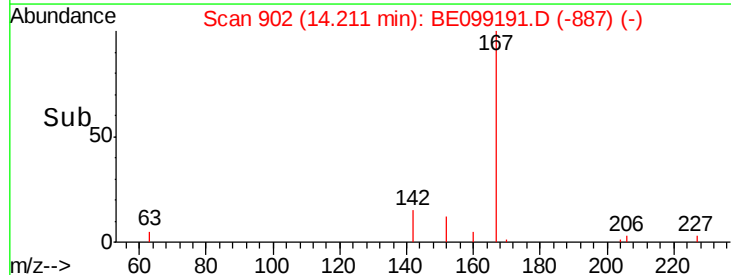
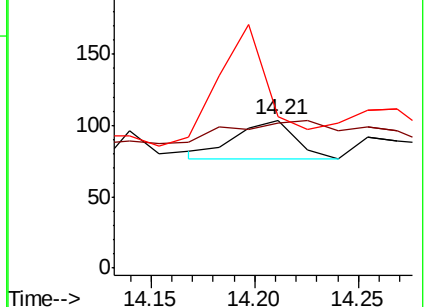
153 274.1 10.6 15.8#

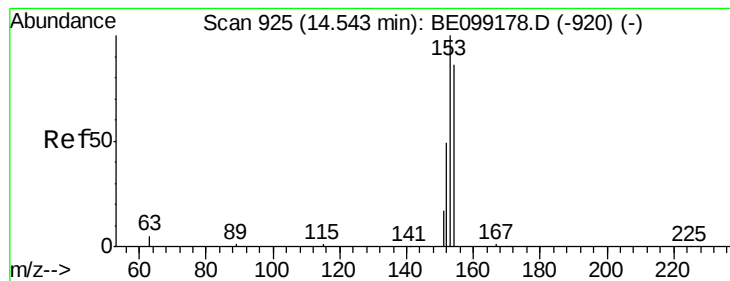


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 0.001 ng

RT: 14.56 min Scan# 926

Delta R.T. 0.01 min

Lab File: BE099191.D

Acq: 25 Mar 2019 22:07

Instrument :

BNA_E

ClientSampleId :

KY038PS027-190318

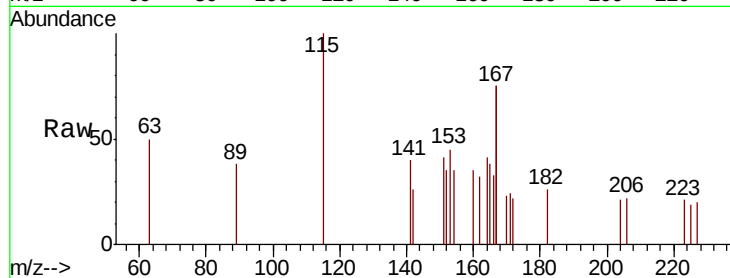
Tgt Ion:154 Resp: 56

Ion Ratio Lower Upper

154 100

153 123.2 93.4 140.0

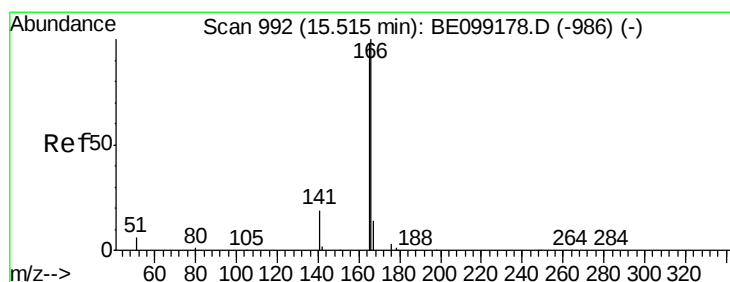
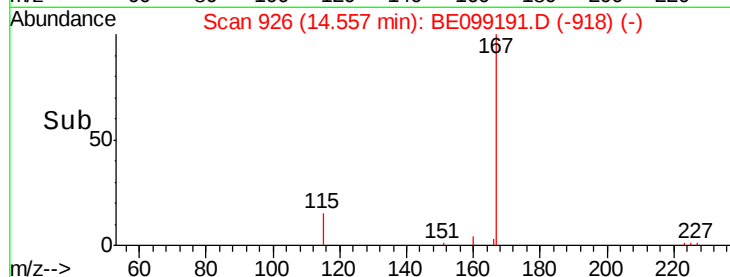
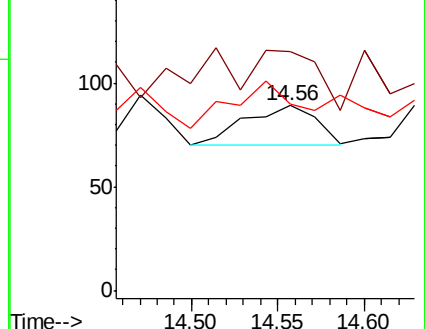
152 105.4 46.6 69.8#



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: 0.002 ng

RT: 15.51 min Scan# 992

Delta R.T. 0.00 min

Lab File: BE099191.D

Acq: 25 Mar 2019 22:07

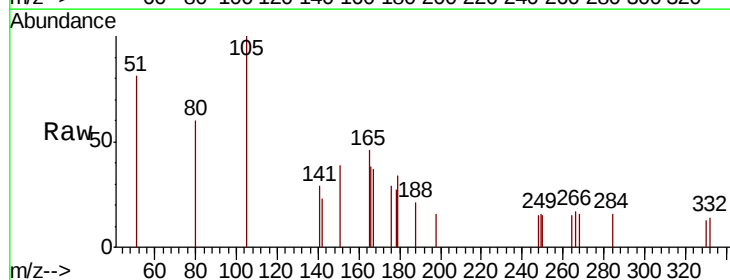
Tgt Ion:166 Resp: 81

Ion Ratio Lower Upper

166 100

165 198.8 78.9 118.3#

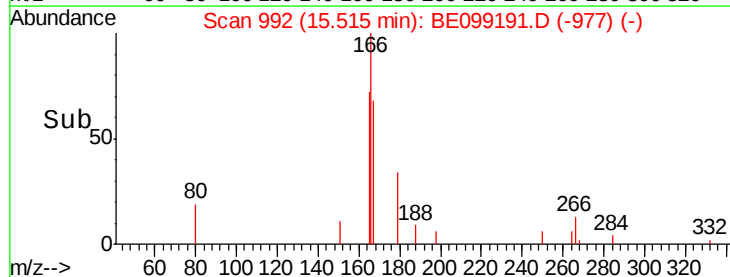
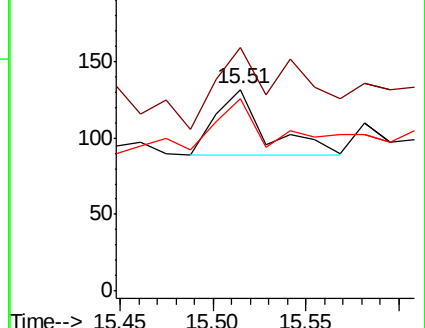
167 107.4 10.9 16.3#

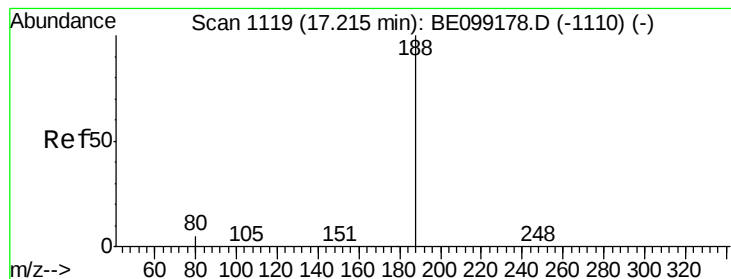


Abundance Ion 166.00 (165.70 to 166.70): E

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: 17.21 min Scan# 1119

Delta R.T. 0.00 min

Lab File: BE099191.D

Acq: 25 Mar 2019 22:07

Instrument :

BNA_E

ClientSampleId :

KY038PS027-190318

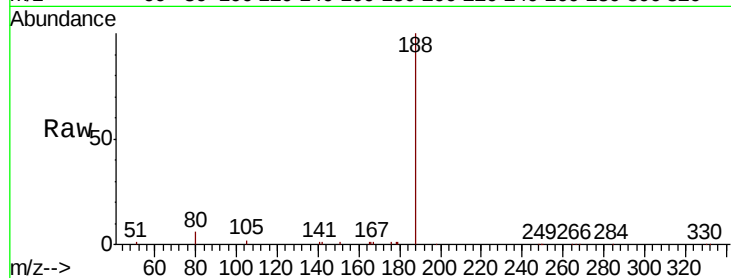
Tgt Ion:188 Resp: 35914

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

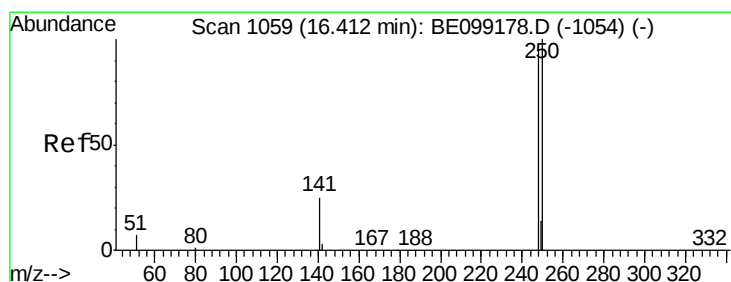
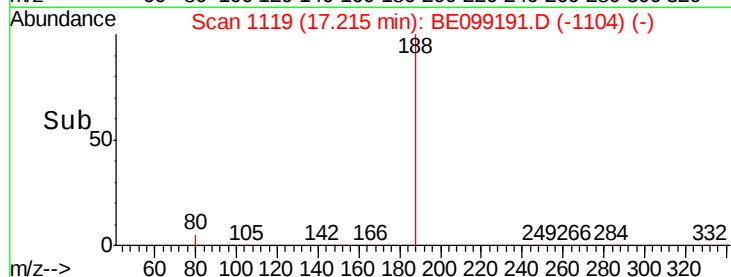
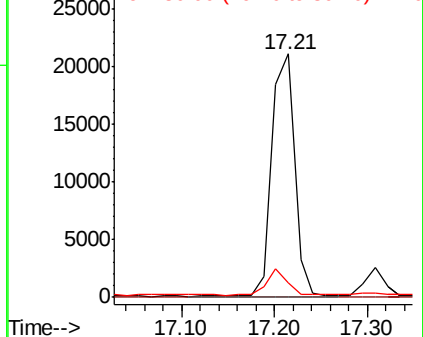
80 5.8 4.5 6.7



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: 0.001 ng

RT: 16.41 min Scan# 1059

Delta R.T. 0.00 min

Lab File: BE099191.D

Acq: 25 Mar 2019 22:07

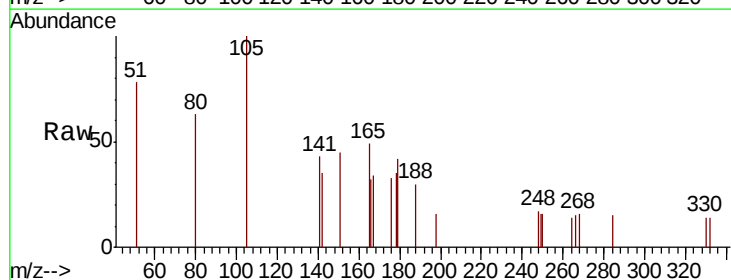
Tgt Ion:248 Resp: 22

Ion Ratio Lower Upper

248 100

250 98.3 84.2 126.2

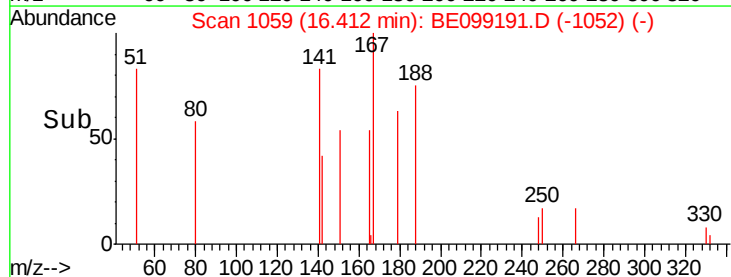
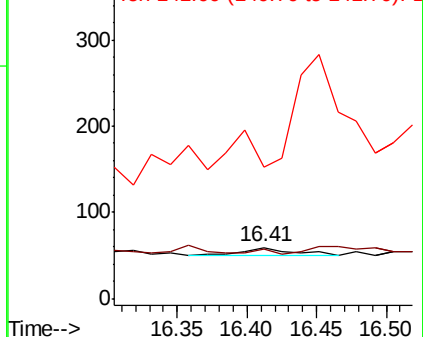
141 257.6 21.8 32.6#

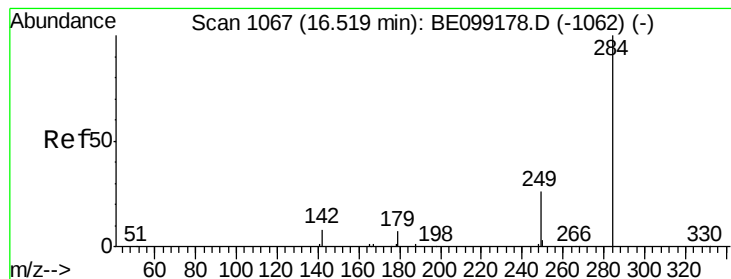


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.001 ng

RT: 16.52 min Scan# 1067

Delta R.T. 0.00 min

Lab File: BE099191.D

Acq: 25 Mar 2019 22:07

Instrument :

BNA_E

ClientSampleId :

KY038PS027-190318

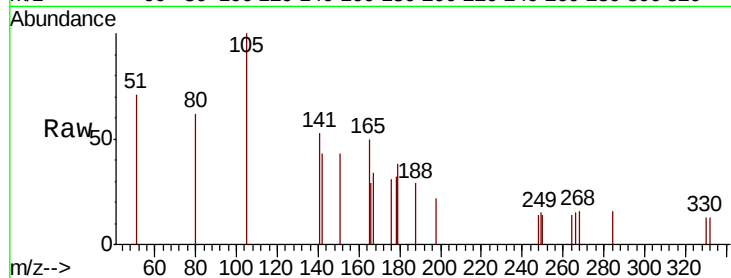
Tgt Ion:284 Resp: 23

Ion Ratio Lower Upper

284 100

142 239.1 22.7 34.1#

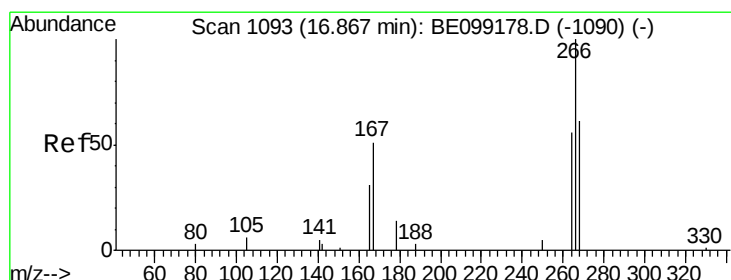
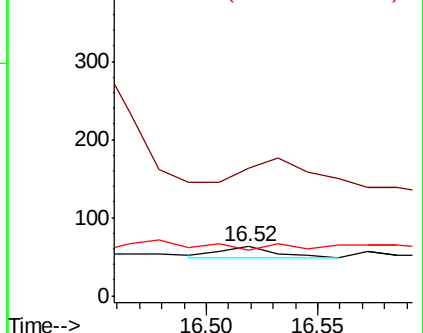
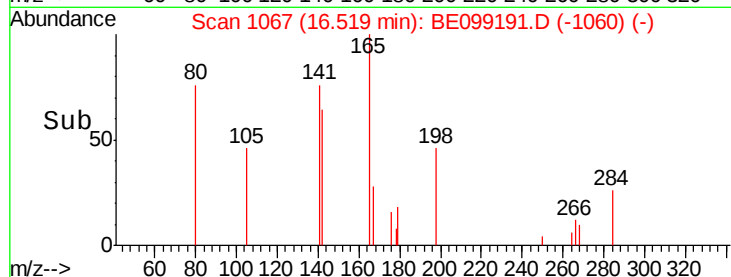
249 0.0 26.9 40.3#



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#22

Pentachlorophenol

Concen: 0.274 ng

RT: 16.87 min Scan# 1093

Delta R.T. 0.00 min

Lab File: BE099191.D

Acq: 25 Mar 2019 22:07

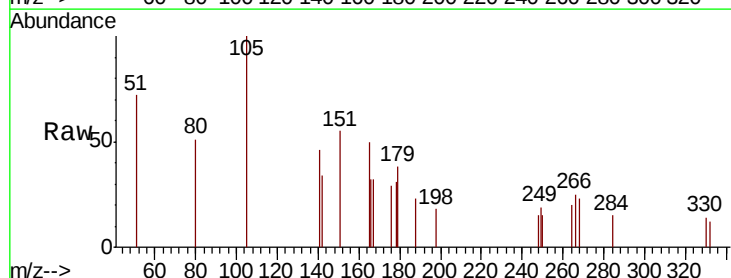
Tgt Ion:266 Resp: 115

Ion Ratio Lower Upper

266 100

264 79.2 54.4 81.6

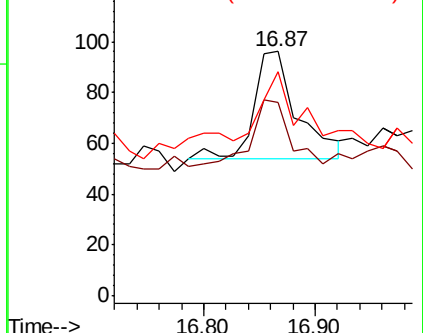
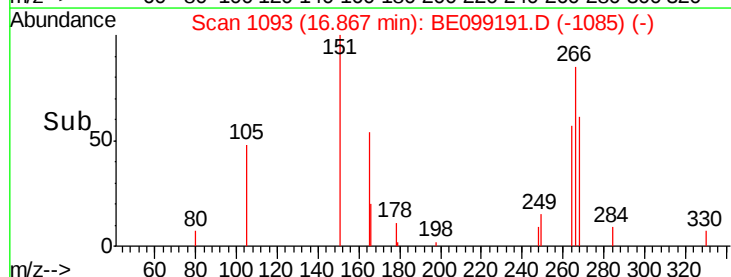
268 91.7 61.3 91.9

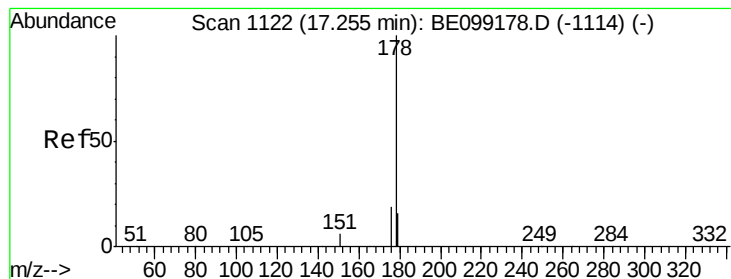


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.006 ng

RT: 17.26 min Scan# 1122

Delta R.T. 0.00 min

Lab File: BE099191.D

Acq: 25 Mar 2019 22:07

Instrument :

BNA_E

ClientSampleId :

KY038PS027-190318

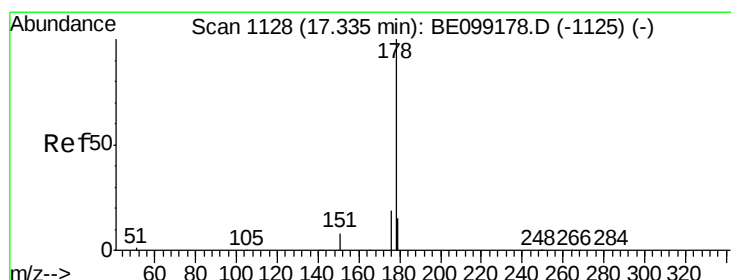
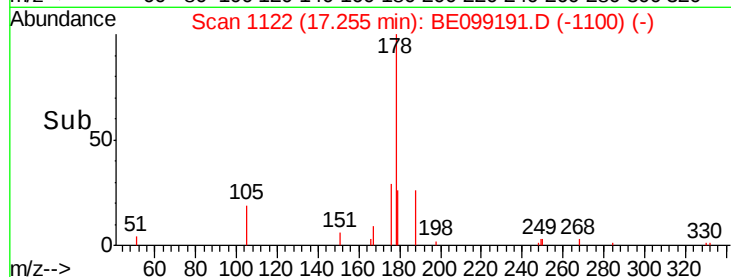
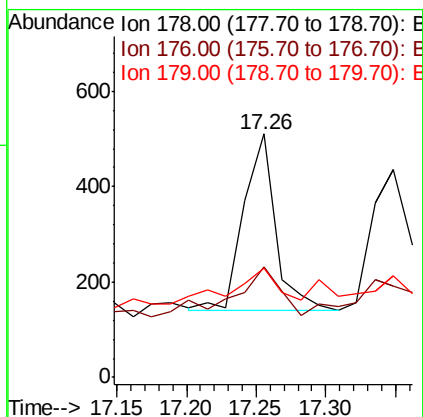
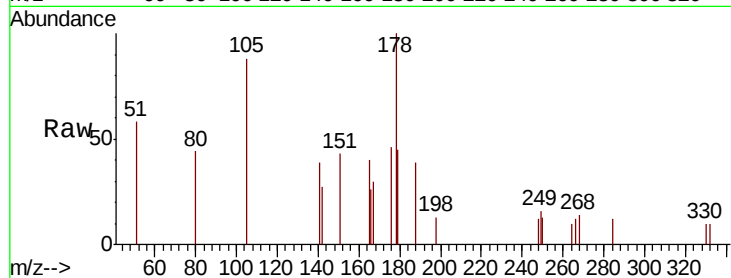
Tgt Ion:178 Resp: 584

Ion Ratio Lower Upper

178 100

176 43.0 15.4 23.2#

179 48.6 12.3 18.5#



#24

Anthracene

Concen: 0.008 ng

RT: 17.35 min Scan# 1129

Delta R.T. 0.01 min

Lab File: BE099191.D

Acq: 25 Mar 2019 22:07

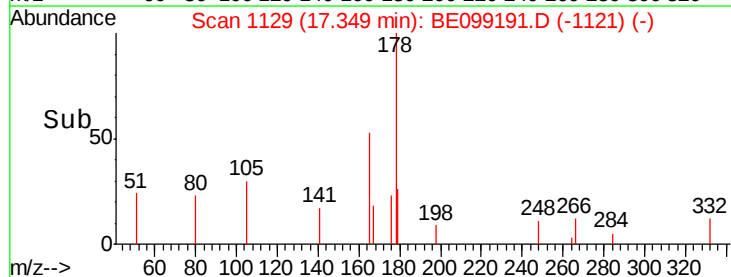
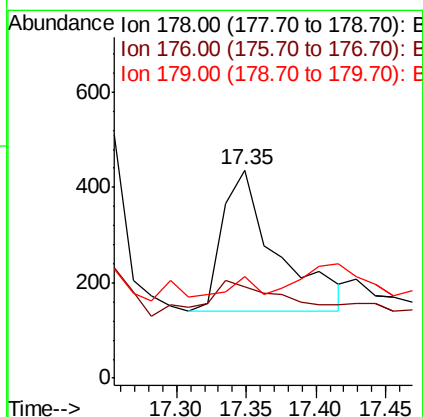
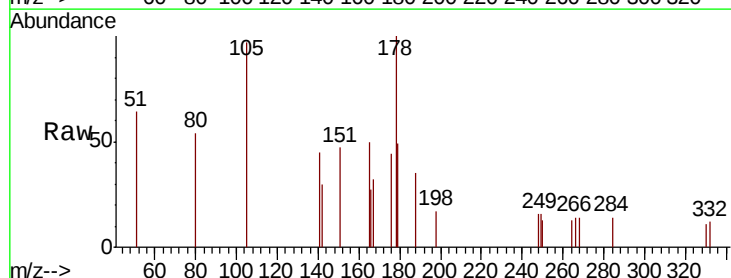
Tgt Ion:178 Resp: 799

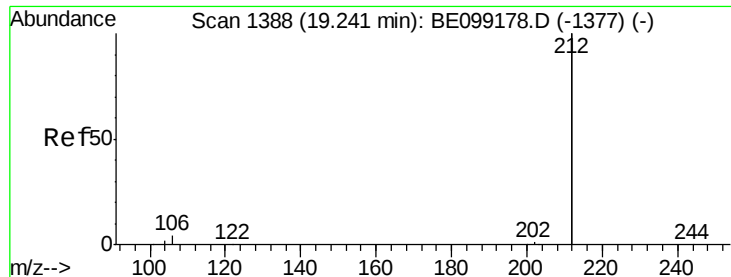
Ion Ratio Lower Upper

178 100

176 18.5 15.1 22.7

179 4.4 12.4 18.6#





#25

Fluoranthene-d10

Concen: 0.406 ng

RT: 19.24 min Scan# 1387

Delta R.T. -0.00 min

Lab File: BE099191.D

Acq: 25 Mar 2019 22:07

Instrument :

BNA_E

ClientSampleId :

KY038PS027-190318

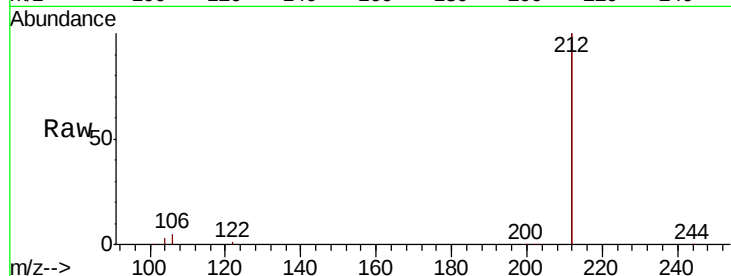
Tgt Ion:212 Resp: 176792

Ion Ratio Lower Upper

212 100

106 2.4 1.8 2.8

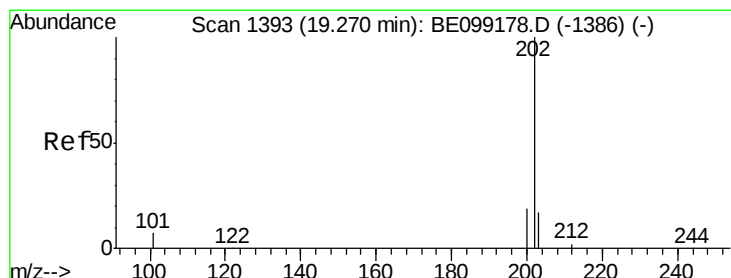
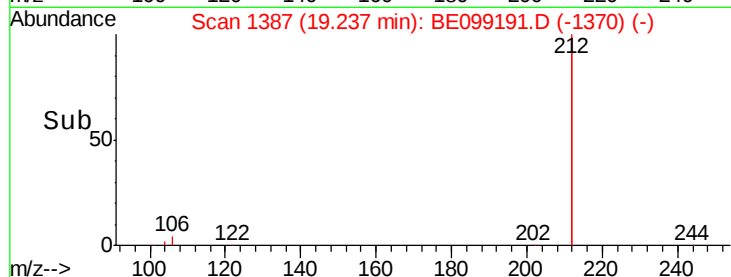
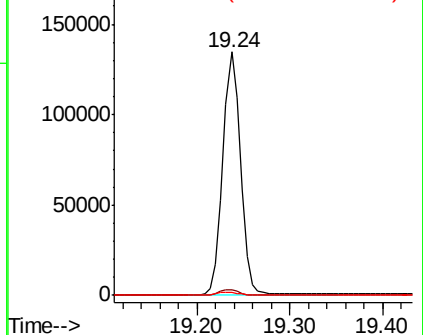
104 1.4 1.1 1.7



Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 0.004 ng

RT: 19.27 min Scan# 1392

Delta R.T. -0.00 min

Lab File: BE099191.D

Acq: 25 Mar 2019 22:07

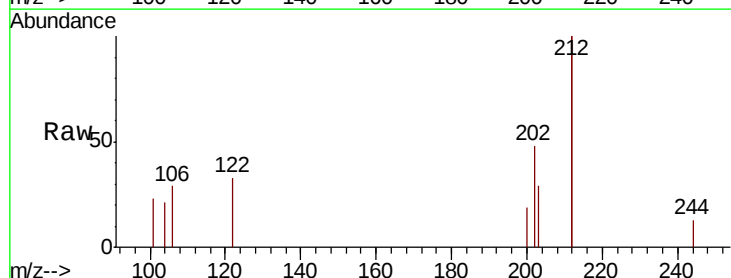
Tgt Ion:202 Resp: 526

Ion Ratio Lower Upper

202 100

101 13.7 7.0 10.4#

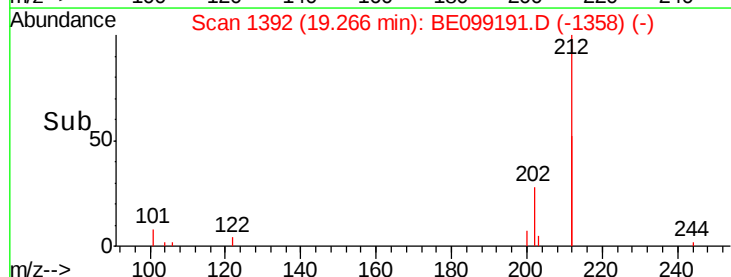
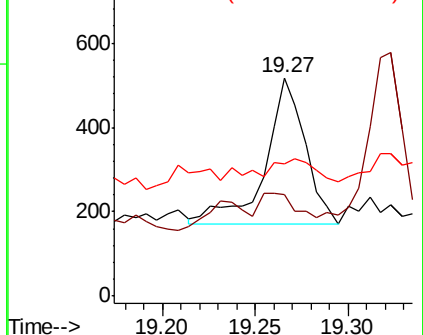
203 14.3 13.8 20.6



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: 21.38 min Scan# 1630

Delta R.T. -0.01 min

Lab File: BE099191.D

Acq: 25 Mar 2019 22:07

Instrument :

BNA_E

ClientSampleId :

KY038PS027-190318

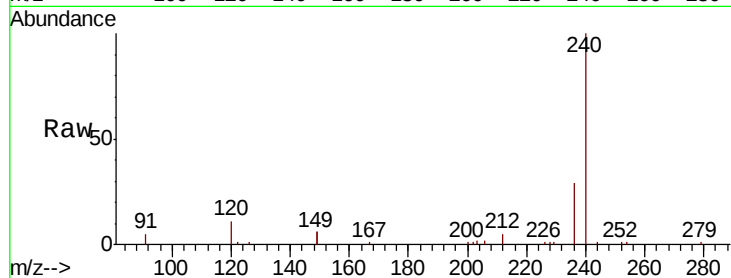
Tgt Ion:240 Resp: 40019

Ion Ratio Lower Upper

240 100

120 10.9 2.6 3.8#

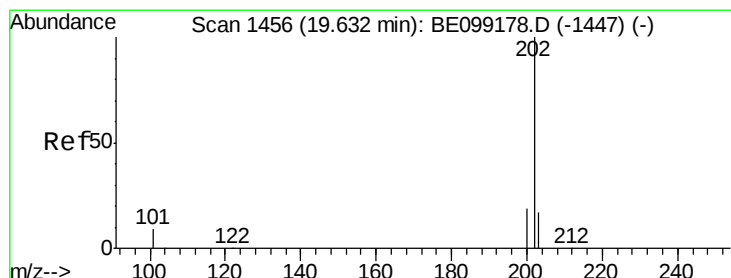
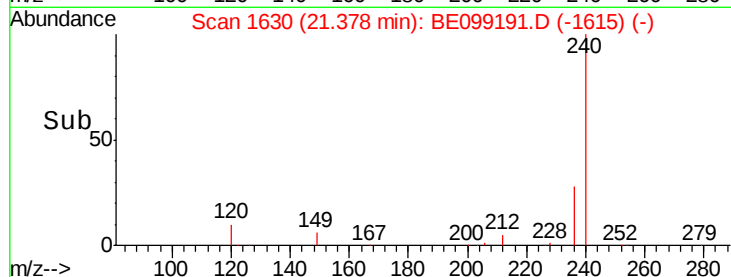
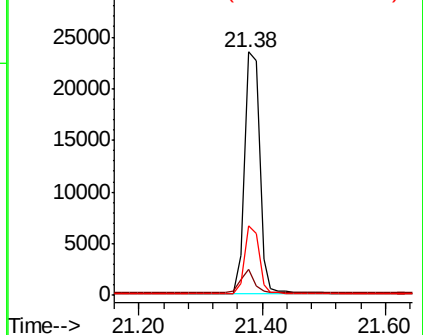
236 28.5 20.9 31.3



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: 0.007 ng

RT: 19.63 min Scan# 1455

Delta R.T. -0.00 min

Lab File: BE099191.D

Acq: 25 Mar 2019 22:07

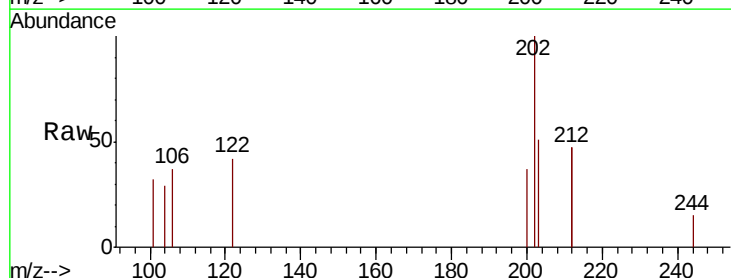
Tgt Ion:202 Resp: 905

Ion Ratio Lower Upper

202 100

200 24.1 15.8 23.8#

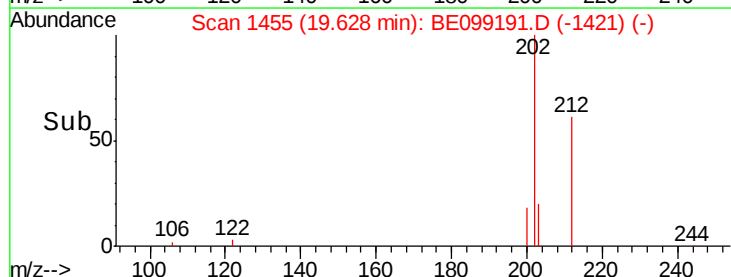
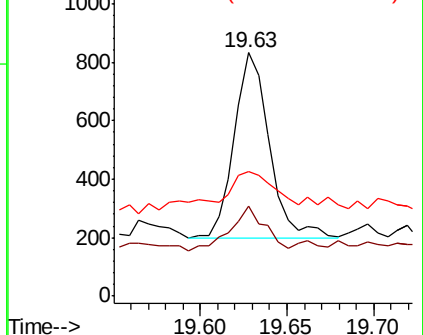
203 39.4 14.1 21.1#



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: 0.398 ng

RT: 19.83 min Scan# 1491

Delta R.T. 0.00 min

Lab File: BE099191.D

Acq: 25 Mar 2019 22:07

Instrument :

BNA_E

ClientSampleId :

KY038PS027-190318

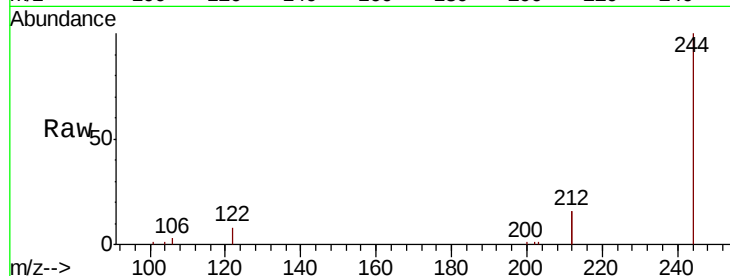
Tgt Ion:244 Resp: 34662

Ion Ratio Lower Upper

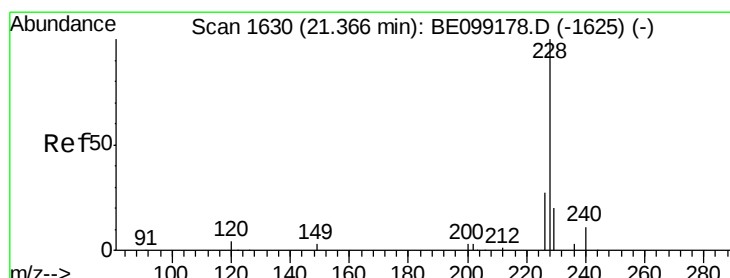
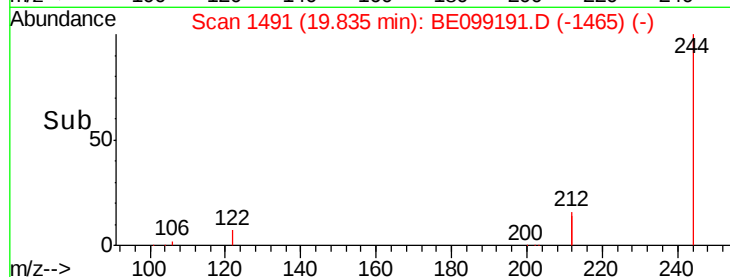
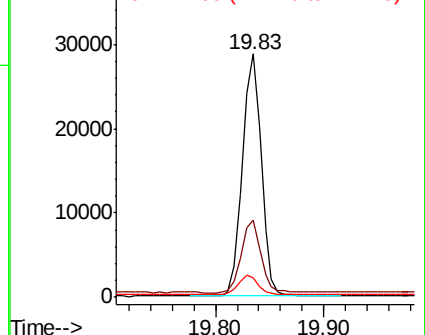
244 100

212 31.9 22.7 34.1

122 8.0 5.8 8.6



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: 0.004 ng

RT: 21.37 min Scan# 1629

Delta R.T. -0.00 min

Lab File: BE099191.D

Acq: 25 Mar 2019 22:07

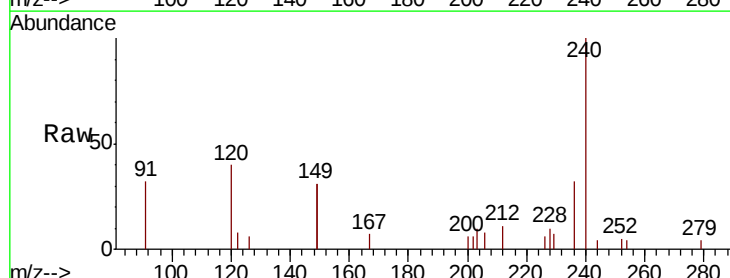
Tgt Ion:228 Resp: 577

Ion Ratio Lower Upper

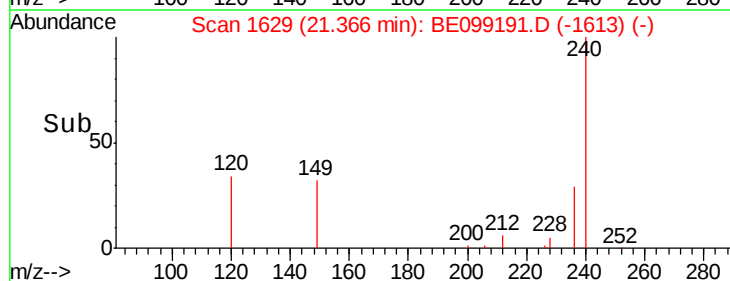
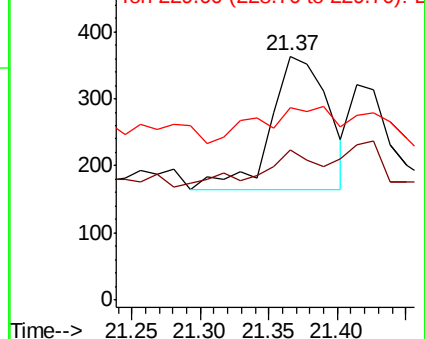
228 100

226 61.4 21.7 32.5#

229 78.8 15.9 23.9#



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: 0.002 ng

RT: 21.41 min Scan# 1633

Delta R.T. -0.00 min

Lab File: BE099191.D

Acq: 25 Mar 2019 22:07

Instrument :

BNA_E

ClientSampleId :

KY038PS027-190318

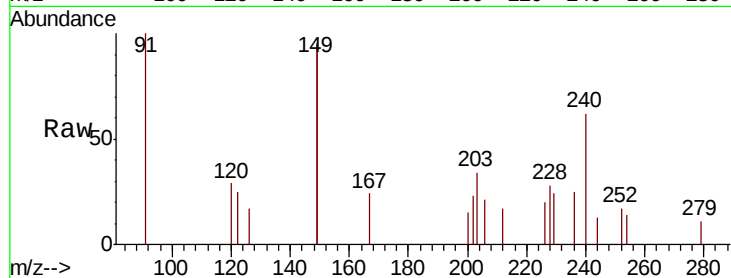
Tgt Ion: 228 Resp: 265

Ion Ratio Lower Upper

228 100

226 72.0 24.8 37.2#

229 86.0 15.4 23.0#

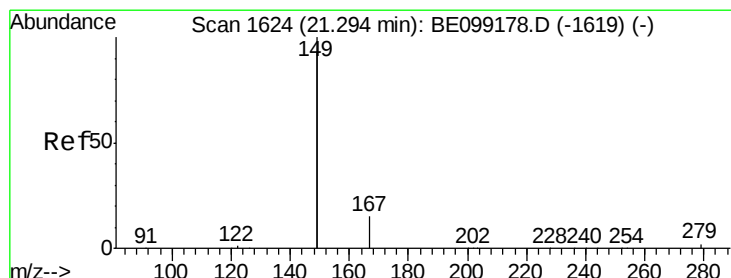
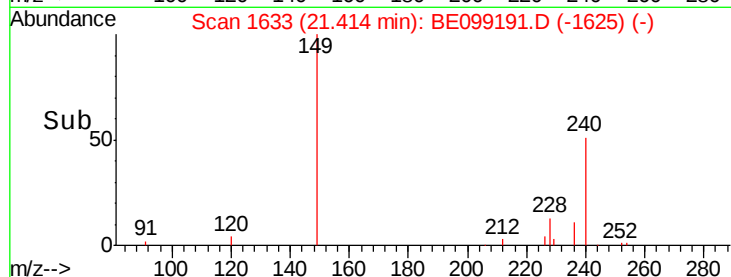
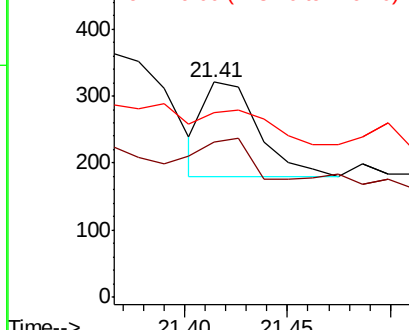


Abundance

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: 0.170 ng

RT: 21.29 min Scan# 1623

Delta R.T. -0.00 min

Lab File: BE099191.D

Acq: 25 Mar 2019 22:07

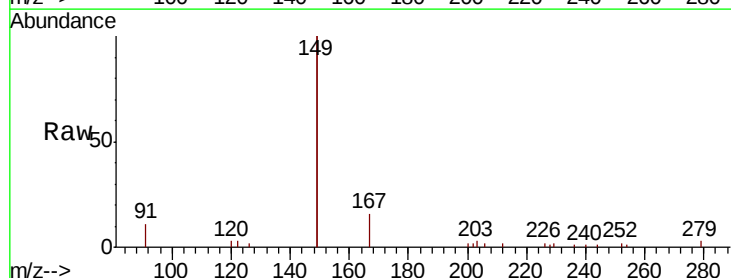
Tgt Ion: 149 Resp: 26813

Ion Ratio Lower Upper

149 100

167 6.9 5.9 8.9

279 1.1 1.0 1.6

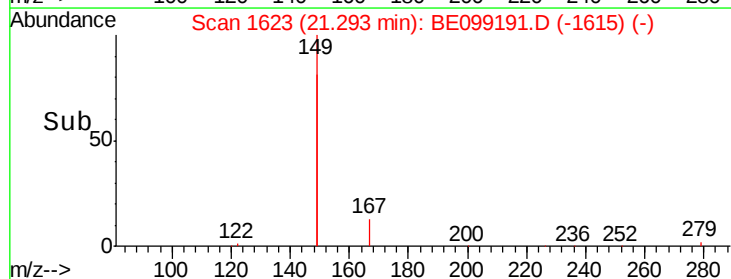
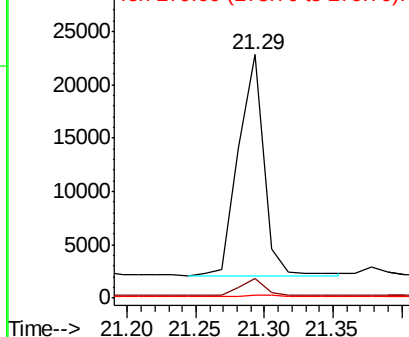


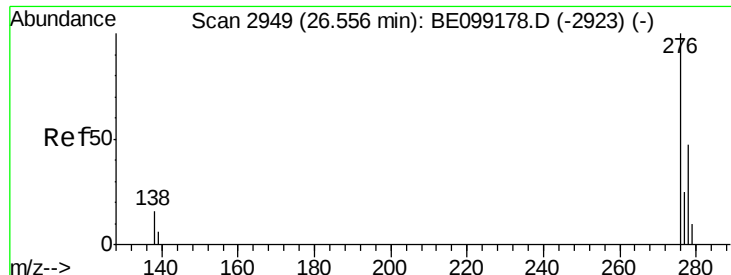
Abundance

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: 0.000 ng

RT: 26.54 min Scan# 2944

Delta R.T. -0.02 min

Lab File: BE099191.D

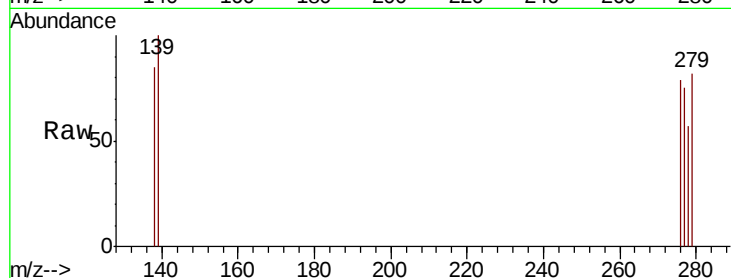
Acq: 25 Mar 2019 22:07

Instrument :

BNA_E

ClientSampleId :

KY038PS027-190318



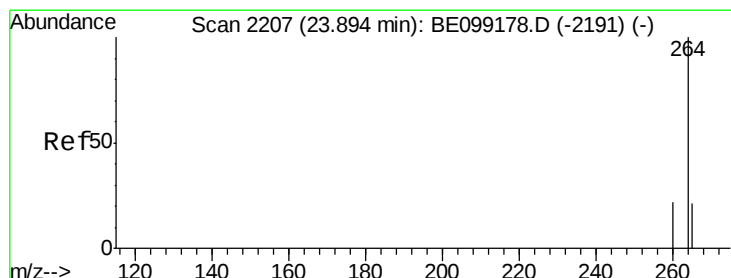
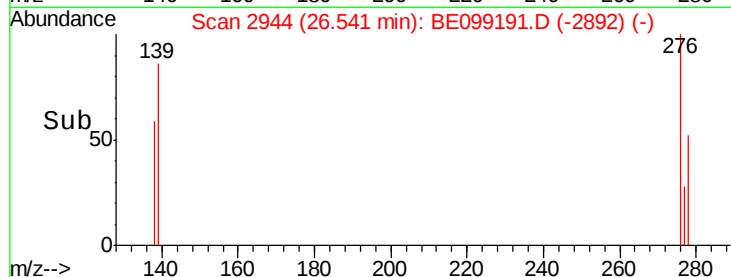
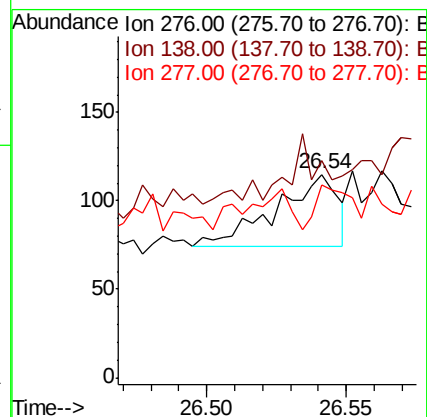
Tgt Ion:276 Resp: 63

Ion Ratio Lower Upper

276 100

138 0.0 12.9 19.3#

277 33.3 18.3 27.5#



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.89 min Scan# 2206

Delta R.T. -0.00 min

Lab File: BE099191.D

Acq: 25 Mar 2019 22:07

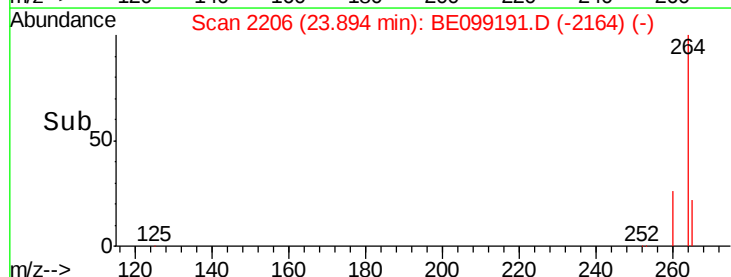
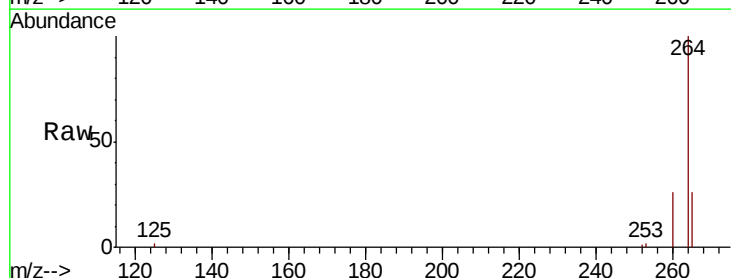
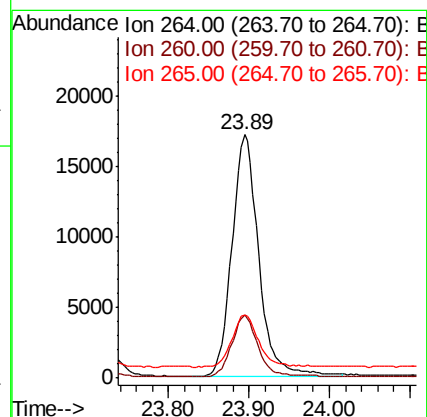
Tgt Ion:264 Resp: 39563

Ion Ratio Lower Upper

264 100

260 25.9 18.2 27.2

265 26.1 21.8 32.8





#35

Benzo(b)fluoranthene

Concen: 0.003 ng

RT: 23.12 min Scan# 1989

Delta R.T. -0.00 min

Lab File: BE099191.D

Acq: 25 Mar 2019 22:07

Instrument :

BNA_E

ClientSampleId :

KY038PS027-190318

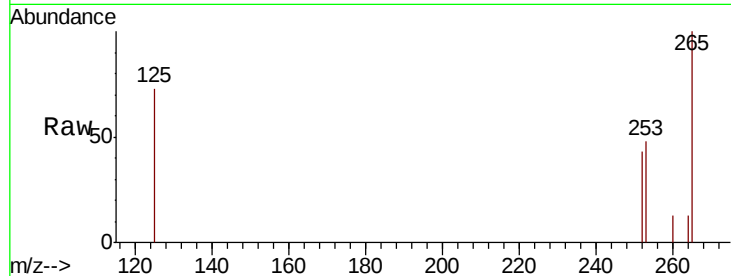
Tgt Ion: 252 Resp: 370

Ion Ratio Lower Upper

252 100

253 112.0 17.8 26.8#

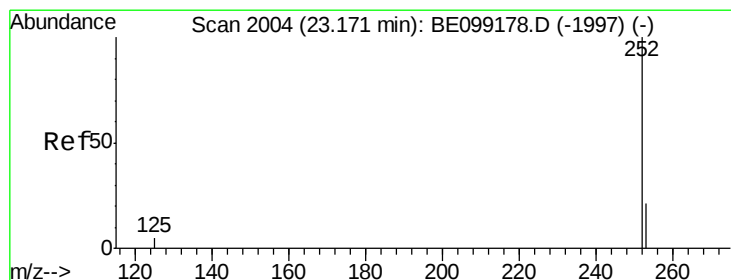
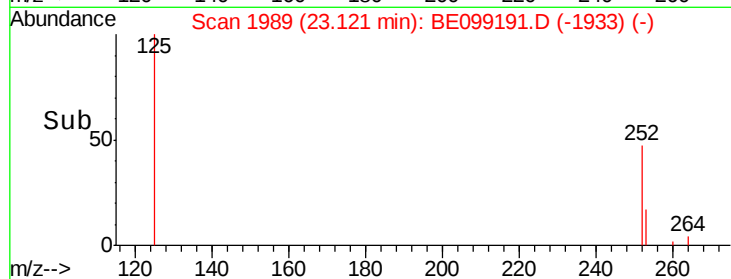
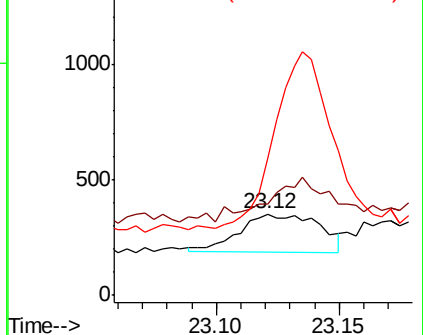
125 169.7 6.1 9.1#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#36

Benzo(k)fluoranthene

Concen: 0.002 ng

RT: 23.17 min Scan# 2003

Delta R.T. -0.00 min

Lab File: BE099191.D

Acq: 25 Mar 2019 22:07

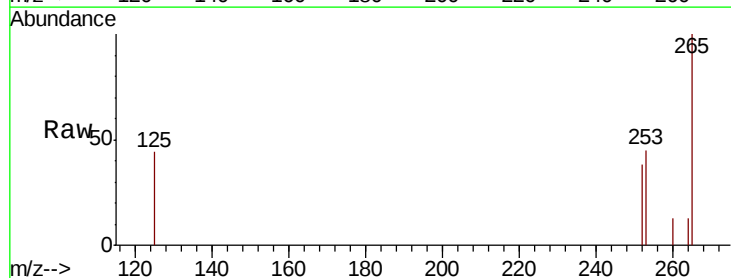
Tgt Ion: 252 Resp: 233

Ion Ratio Lower Upper

252 100

253 117.1 17.8 26.6#

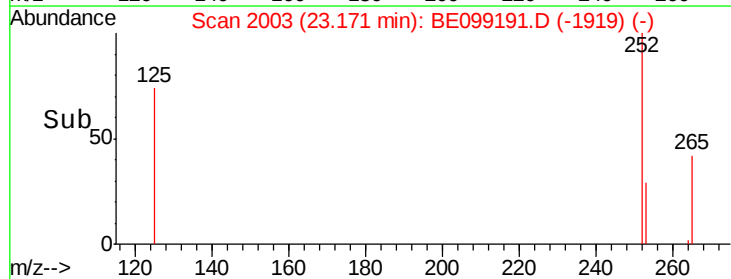
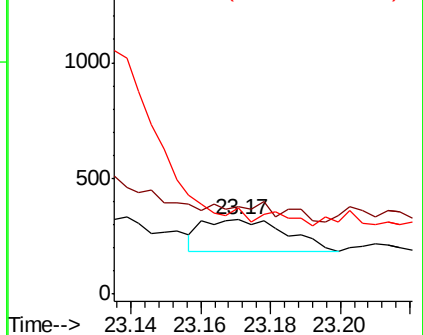
125 115.3 5.9 8.9#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.001 ng

RT: 23.79 min Scan# 2176

Delta R.T. 0.01 min

Lab File: BE099191.D

Acq: 25 Mar 2019 22:07

Instrument :

BNA_E

ClientSampleId :

KY038PS027-190318

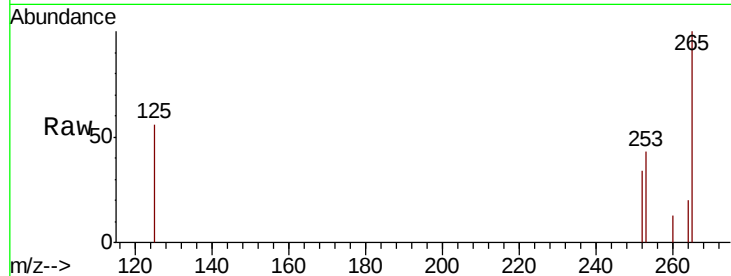
Tgt Ion: 252 Resp: 148

Ion Ratio Lower Upper

252 100

253 125.1 18.1 27.1#

125 165.0 6.8 10.2#

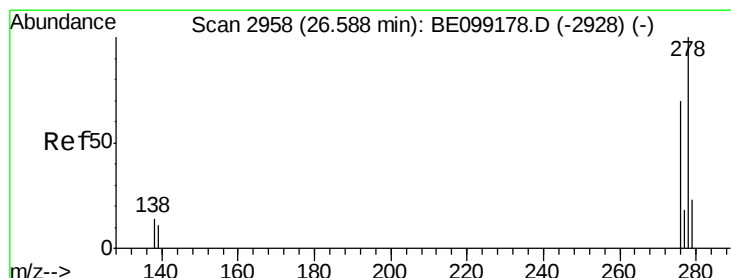
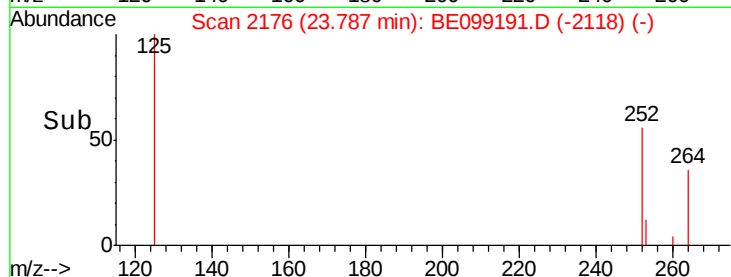
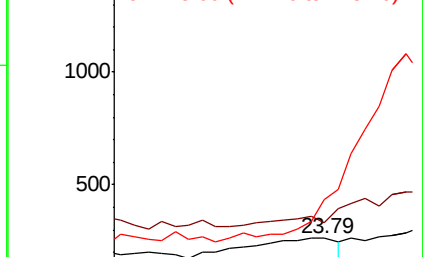


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#38

Dibenzo(a,h)anthracene

Concen: 0.000 ng

RT: 26.57 min Scan# 2953

Delta R.T. -0.02 min

Lab File: BE099191.D

Acq: 25 Mar 2019 22:07

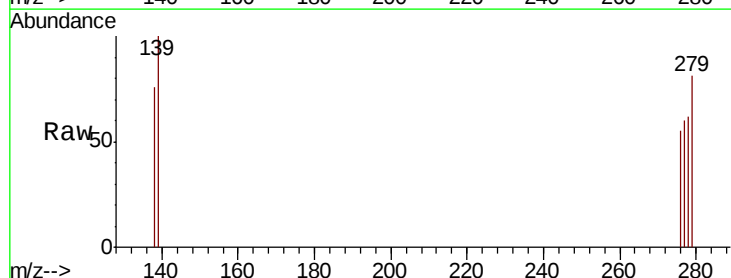
Tgt Ion: 278 Resp: 10

Ion Ratio Lower Upper

278 100

139 162.4 9.5 14.3#

279 132.1 19.1 28.7#

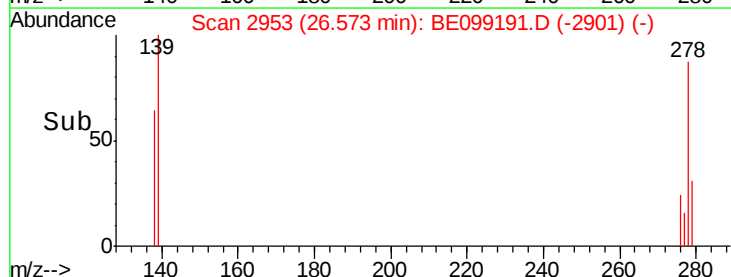
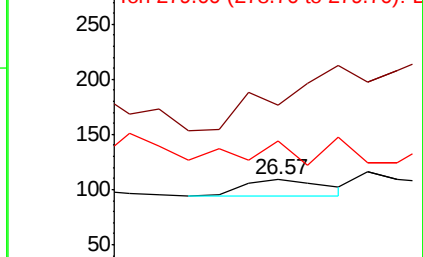


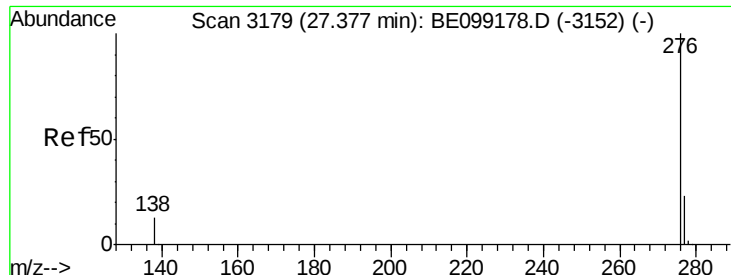
Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(g,h,i)perylene

Concen: 0.000 ng

RT: 27.37 min Scan# 3175

Delta R.T. -0.01 min

Lab File: BE099191.D

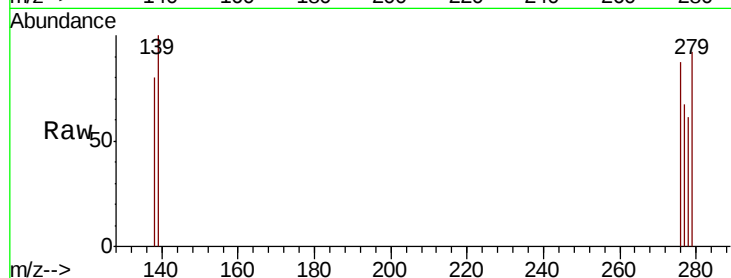
Acq: 25 Mar 2019 22:07

Instrument :

BNA_E

ClientSampleId :

KY038PS027-190318



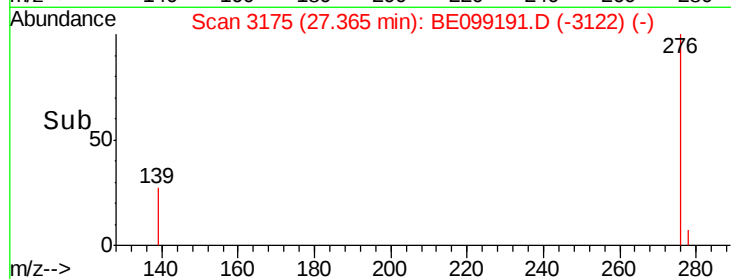
Tgt Ion: 276 Resp: 16

Ion Ratio Lower Upper

276 100

277 77.7 19.0 28.4#

138 92.0 11.1 16.7#



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

