

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE061719\
 Data File : BE100059.D
 Acq On : 17 Jun 2019 8:38
 Operator : JU/SJ
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jun 17 13:08:50 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE061719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 17 13:03:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.79	152	636	0.40	ng	0.01
7) Naphthalene-d8	10.60	136	2552	0.40	ng	0.01
13) Acenaphthene-d10	14.47	164	1989	0.40	ng	0.01
19) Phenanthrene-d10	17.21	188	6338	0.40	ng	0.01
27) Chrysene-d12	21.40	240	7732	0.40	ng	0.01
34) Perylene-d12	23.93	264	8264	0.40	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.36	112	652	0.38	ng	0.01
5) Phenol-d6	6.98	99	842	0.38	ng	0.01
8) Nitrobenzene-d5	8.98	82	916	0.38	ng	0.01
11) 2-Methylnaphthalene-d10	12.21	152	1882	0.42	ng	0.00
14) 2,4,6-Tribromophenol	15.98	330	345	0.23	ng	0.01
15) 2-Fluorobiphenyl	13.10	172	3078	0.41	ng	0.01
25) Fluoranthene-d10	19.25	212	33007	0.36	ng	0.00
29) Terphenyl-d14	19.85	244	6074	0.44	ng	0.01

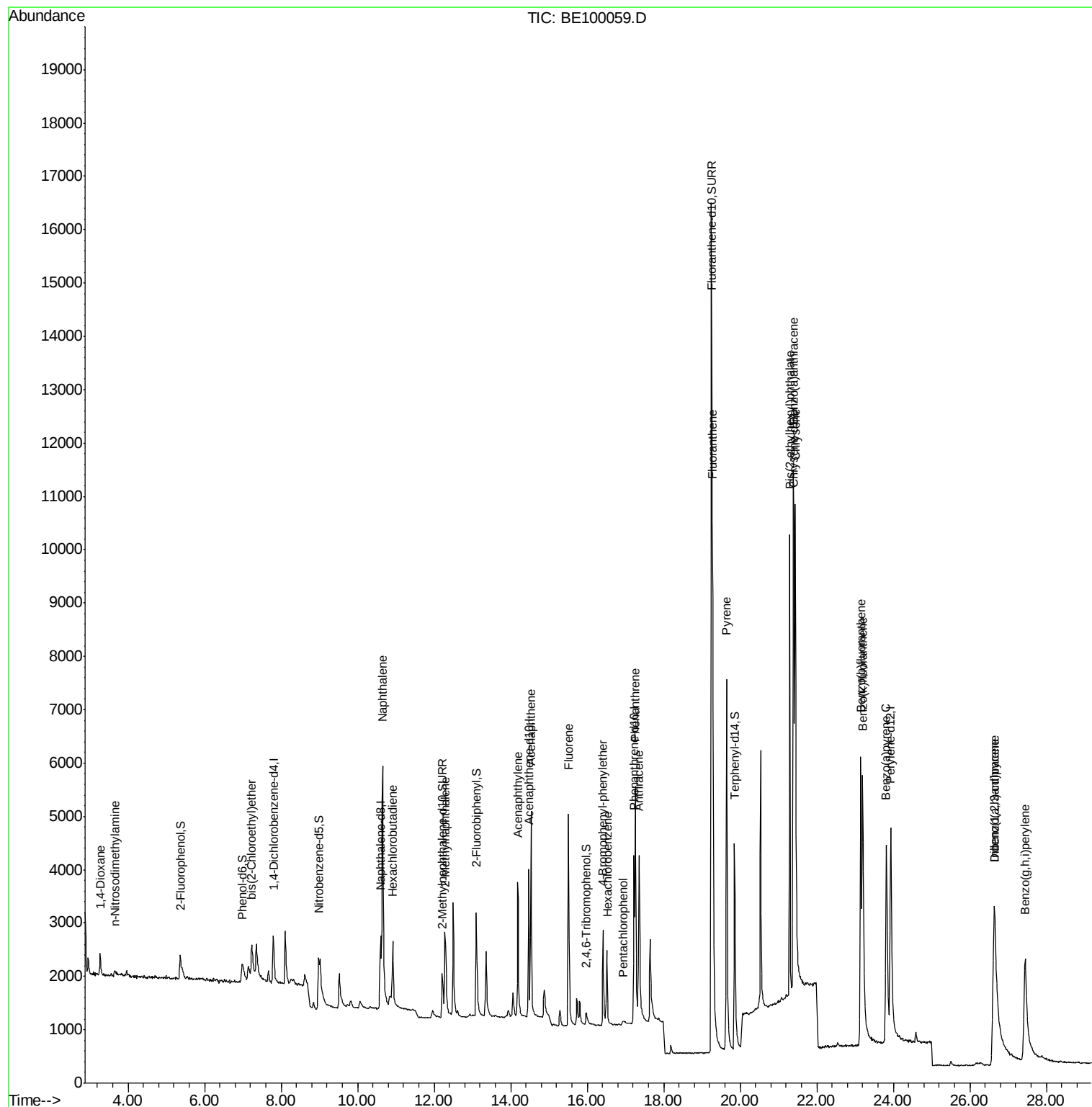
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.27	88	377	0.401	ng	# 91
3) n-Nitrosodimethylamine	3.65	42	72	0.133	ng	# 100
6) bis(2-Chloroethyl)ether	7.23	93	749	0.415	ng	87
9) Naphthalene	10.65	128	11257	0.409	ng	100
10) Hexachlorobutadiene	10.91	225	924	0.440	ng	99
12) 2-Methylnaphthalene	12.28	142	1830	0.409	ng	97
16) Acenaphthylene	14.18	152	4013	0.406	ng	99
17) Acenaphthene	14.53	154	2128	0.395	ng	98
18) Fluorene	15.51	166	3259	0.403	ng	98
20) 4-Bromophenyl-phenylether	16.41	248	1439	0.401	ng	91
21) Hexachlorobenzene	16.52	284	1474	0.402	ng	99
22) Pentachlorophenol	16.93	266	165	0.144	ng	95
23) Phenanthrene	17.25	178	6013	0.391	ng	100
24) Anthracene	17.35	178	5062	0.359	ng	98
26) Fluoranthene	19.28	202	9408	0.360	ng	99
28) Pyrene	19.64	202	9623	0.474	ng	100
30) Benzo(a)anthracene	21.39	228	9311	0.403	ng	100
31) Chrysene	21.44	228	10810	0.452	ng	99
32) Bis(2-ethylhexyl)phthalate	21.29	149	10299	0.311	ng	100
33) Indeno(1,2,3-cd)pyrene	26.63	276	9049	0.319	ng	# 93
35) Benzo(b)fluoranthene	23.15	252	8914	0.385	ng	99
36) Benzo(k)fluoranthene	23.20	252	11879	0.490	ng	99
37) Benzo(a)pyrene	23.82	252	9557	0.419	ng	98
38) Dibenzo(a,h)anthracene	26.66	278	6873	0.299	ng	97
39) Benzo(g,h,i)perylene	27.45	276	8358	0.352	ng	98

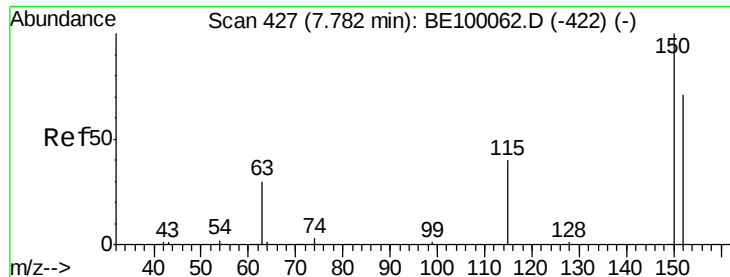
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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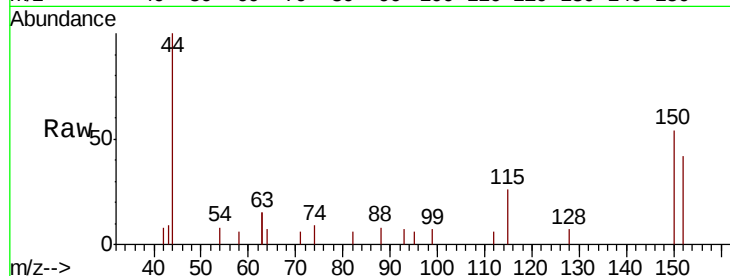


#1

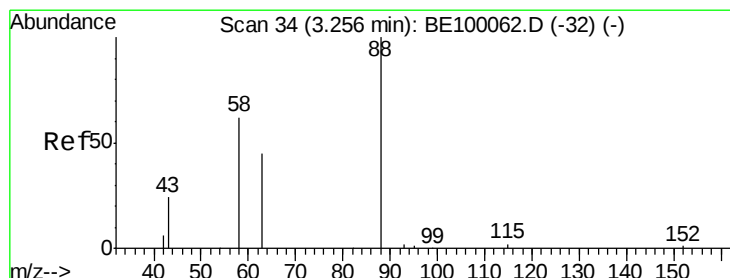
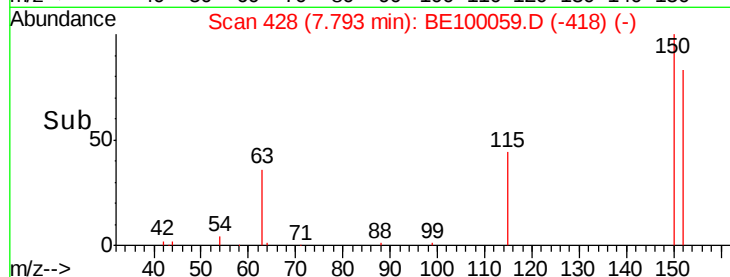
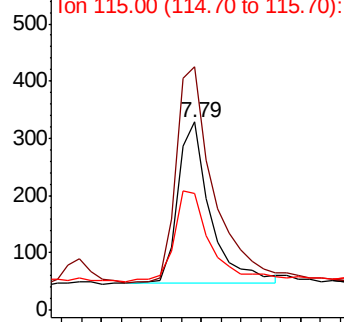
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.79 min Scan# 428
Delta R.T. 0.01 min
Lab File: BE100059.D
Acq: 17 Jun 2019 8:38

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 636
Ion Ratio Lower Upper
152 100
150 129.2 109.5 164.3
115 61.7 52.6 78.8



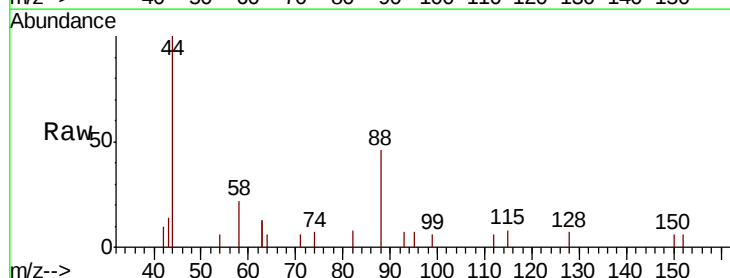
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



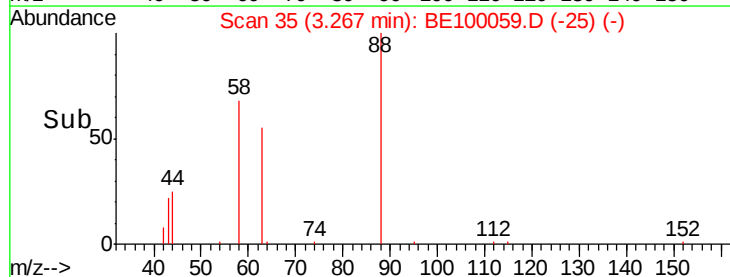
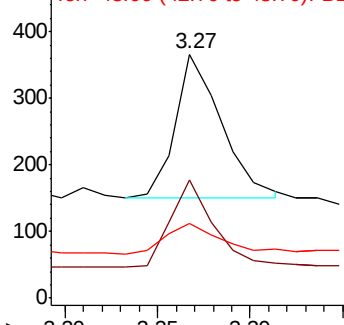
#2

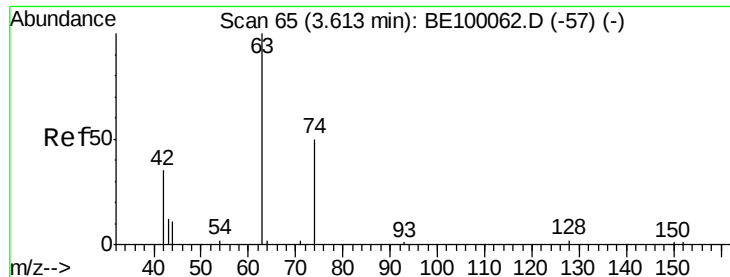
1,4-Dioxane
Concen: 0.401 ng
RT: 3.27 min Scan# 35
Delta R.T. 0.01 min
Lab File: BE100059.D
Acq: 17 Jun 2019 8:38

Tgt Ion: 88 Resp: 377
Ion Ratio Lower Upper
88 100
58 58.1 41.9 62.9
43 24.4 15.8 23.8#



Abundance Ion 88.00 (87.70 to 88.70): BE1
Ion 58.00 (57.70 to 58.70): BE1
Ion 43.00 (42.70 to 43.70): BE1





#3

n-Nitrosodimethylamine

Concen: 0.133 ng

RT: 3.65 min Scan# 68

Delta R.T. 0.03 min

Lab File: BE100059.D

Acq: 17 Jun 2019 8:38

Instrument :

BNA_G

ClientSampled :

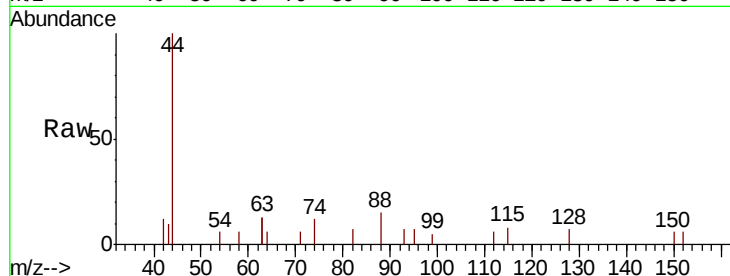
Tot Ion: 42 Resp: 72

Ion Ratio Lower Upper

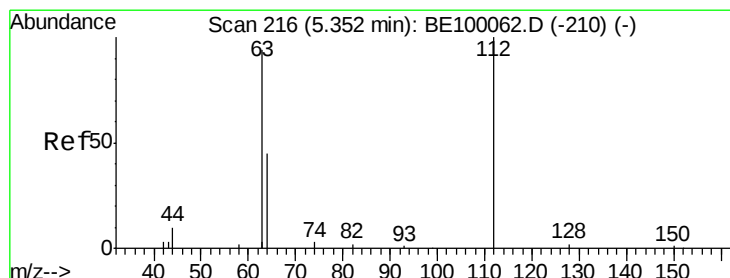
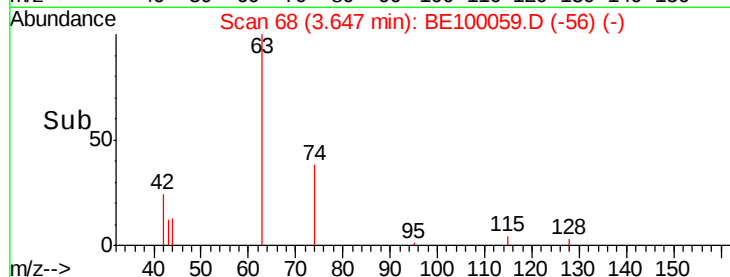
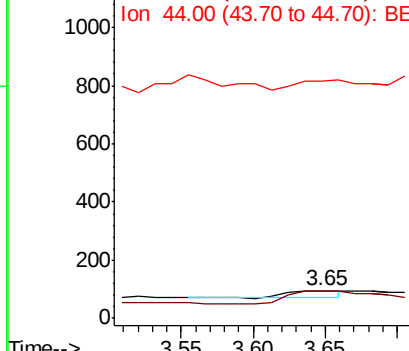
42 100

74 0.0 0.0 0.0

44 127.8 0.0 0.0#



Abundance Ion 42.00 (41.70 to 42.70): BE1
Ion 74.00 (73.70 to 74.70): BE1
Ion 44.00 (43.70 to 44.70): BE1



#4

2-Fluorophenol

Concen: 0.380 ng

RT: 5.36 min Scan# 217

Delta R.T. 0.01 min

Lab File: BE100059.D

Acq: 17 Jun 2019 8:38

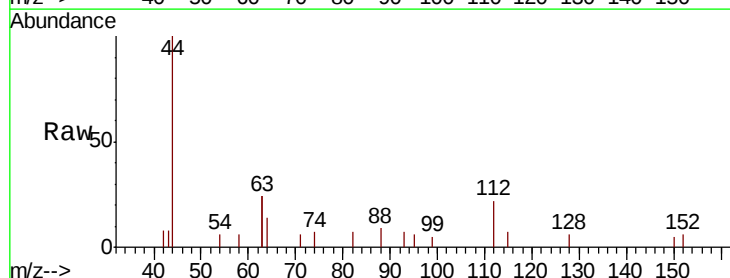
Tgt Ion: 112 Resp: 652

Ion Ratio Lower Upper

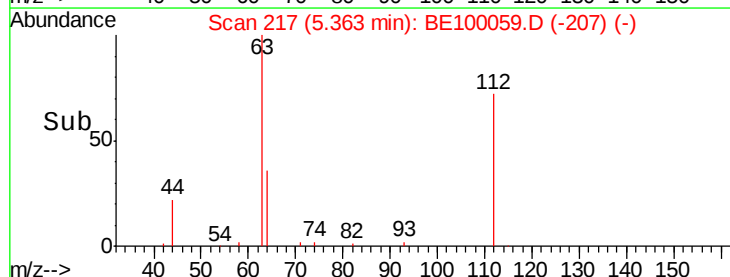
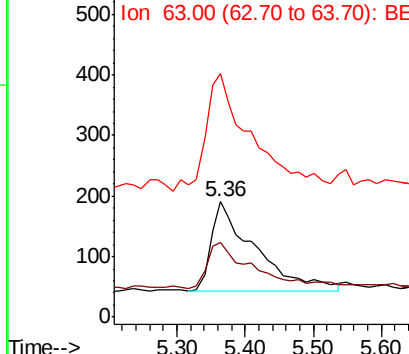
112 100

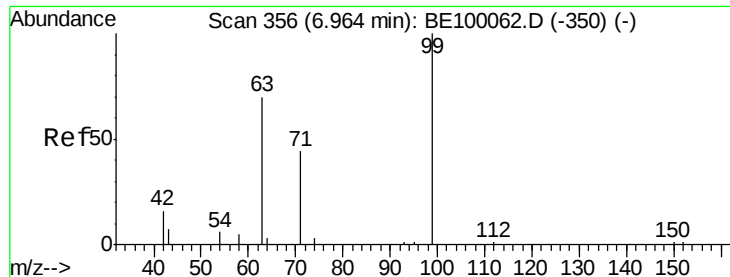
64 51.2 39.6 59.4

63 141.1 113.0 169.4



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BE1
Ion 63.00 (62.70 to 63.70): BE1





#5

Phenol-d6

Concen: 0.381 ng

RT: 6.98 min Scan# 357

Delta R.T. 0.01 min

Lab File: BE100059.D

Acq: 17 Jun 2019 8:38

Instrument :

BNA_G

ClientSampleId :

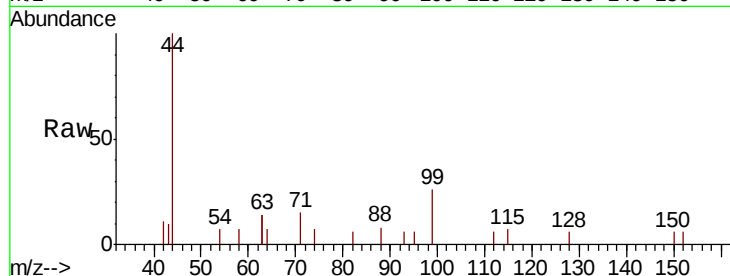
Tot Ion: 99 Resp: 842

Ion Ratio Lower Upper

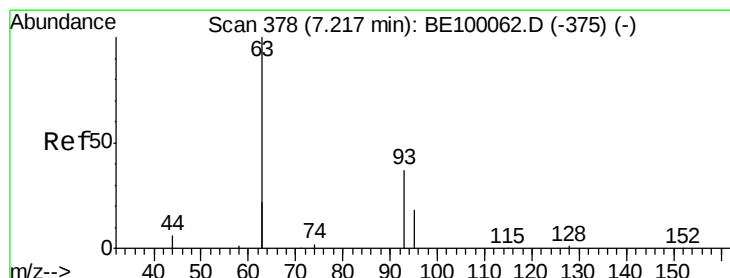
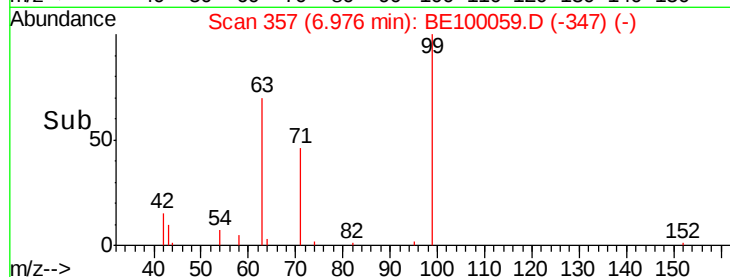
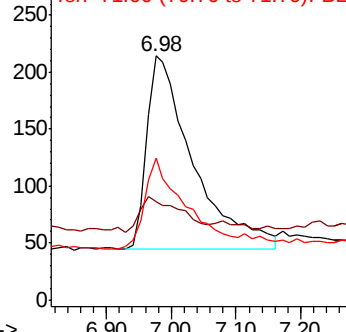
99 100

42 14.7 11.4 17.2

71 41.2 32.8 49.2



Abundance Ion 99.00 (98.70 to 99.70): BE1
Ion 42.00 (41.70 to 42.70): BE1
Ion 71.00 (70.70 to 71.70): BE1



#6

bis(2-Chloroethyl)ether

Concen: 0.415 ng

RT: 7.23 min Scan# 379

Delta R.T. 0.01 min

Lab File: BE100059.D

Acq: 17 Jun 2019 8:38

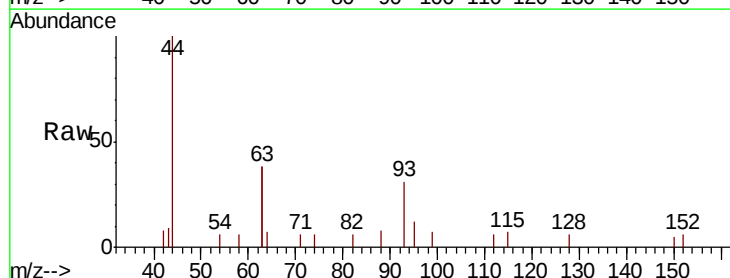
Tgt Ion: 93 Resp: 749

Ion Ratio Lower Upper

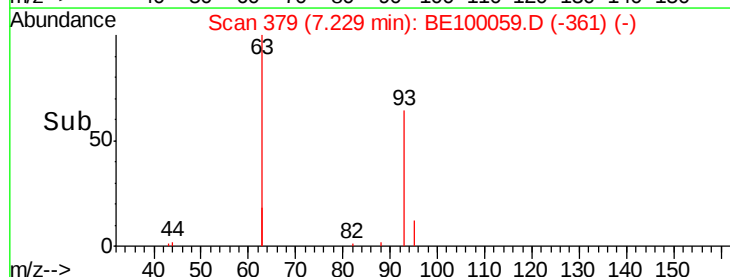
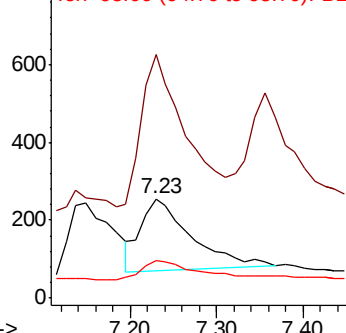
93 100

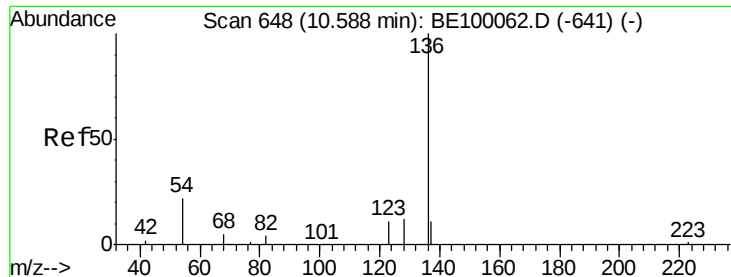
63 184.9 165.0 247.6

95 30.0 26.5 39.7



Abundance Ion 93.00 (92.70 to 93.70): BE1
Ion 63.00 (62.70 to 63.70): BE1
Ion 95.00 (94.70 to 95.70): BE1





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.60 min Scan# 649

Delta R.T. 0.01 min

Lab File: BE100059.D

Acq: 17 Jun 2019 8:38

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 2552

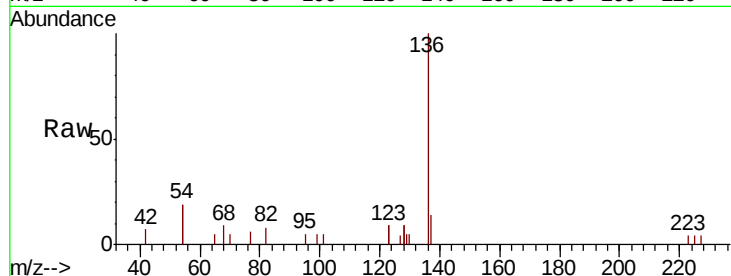
Ion Ratio Lower Upper

136 100

137 14.4 12.6 19.0

54 37.2 33.0 49.6

68 9.3 8.6 12.8

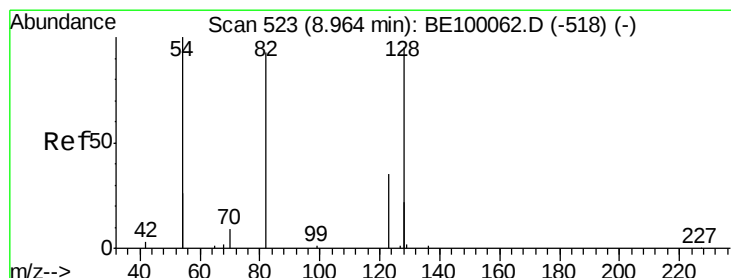
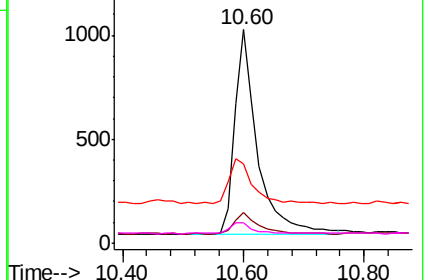
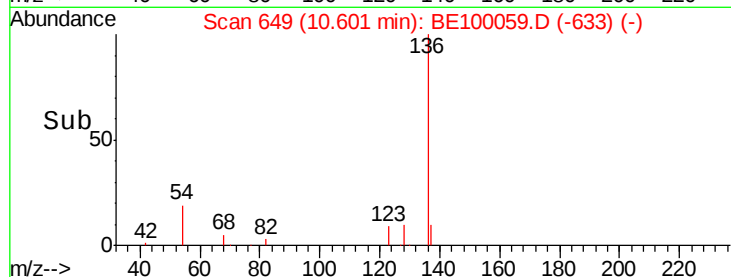


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE1

Ion 68.00 (67.70 to 68.70): BE1



#8

Nitrobenzene-d5

Concen: 0.379 ng

RT: 8.98 min Scan# 524

Delta R.T. 0.01 min

Lab File: BE100059.D

Acq: 17 Jun 2019 8:38

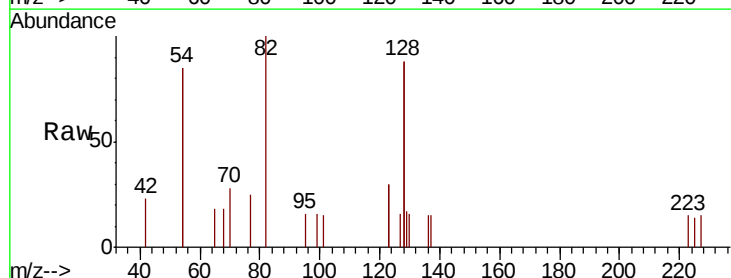
Tgt Ion: 82 Resp: 916

Ion Ratio Lower Upper

82 100

128 175.1 134.6 201.8

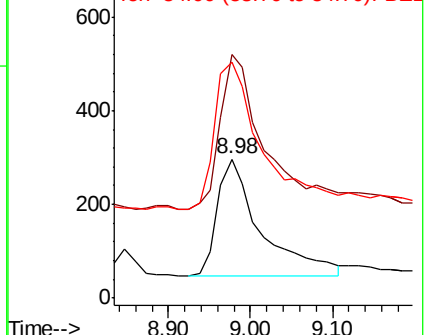
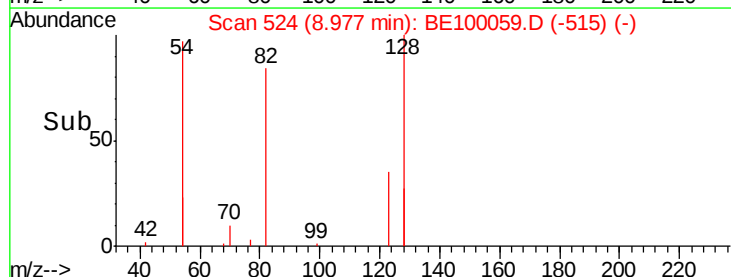
54 169.7 141.6 212.4

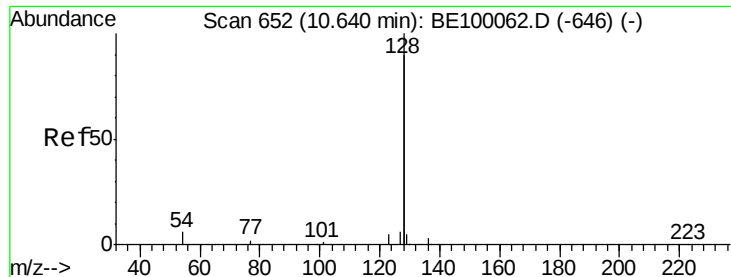


Abundance Ion 82.00 (81.70 to 82.70): BE1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE1





#9

Naphthalene

Concen: 0.409 ng

RT: 10.65 min Scan# 653

Delta R.T. 0.01 min

Lab File: BE100059.D

Acq: 17 Jun 2019 8:38

Instrument :

BNA_G

ClientSampled :

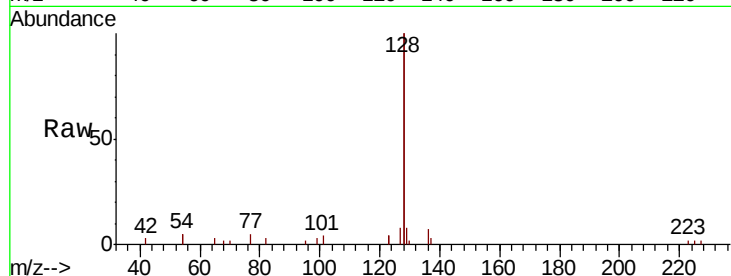
Tot Ion:128 Resp: 11257

Ion Ratio Lower Upper

128 100

129 3.8 3.0 4.4

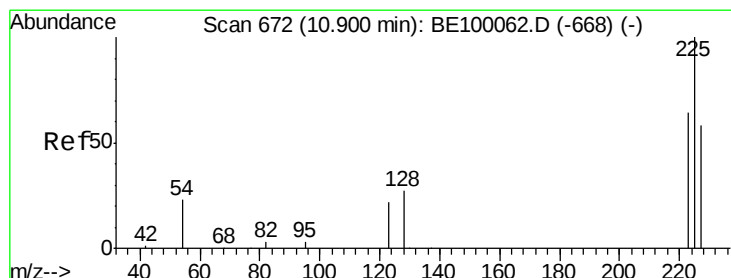
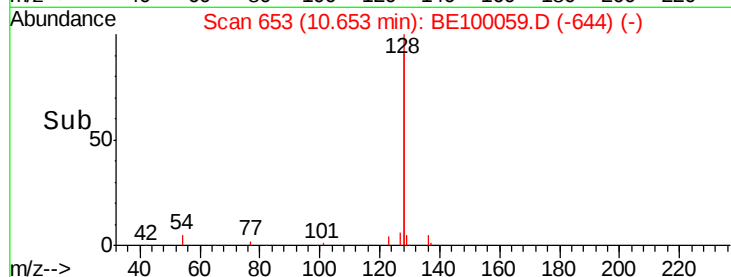
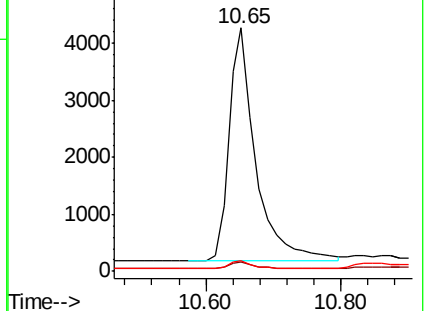
127 4.2 3.4 5.0



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: 0.440 ng

RT: 10.91 min Scan# 673

Delta R.T. 0.01 min

Lab File: BE100059.D

Acq: 17 Jun 2019 8:38

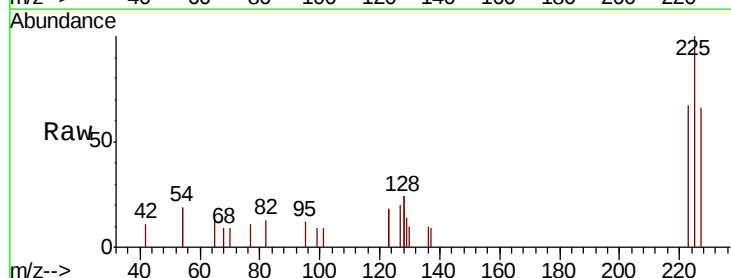
Tgt Ion:225 Resp: 924

Ion Ratio Lower Upper

225 100

223 63.7 51.1 76.7

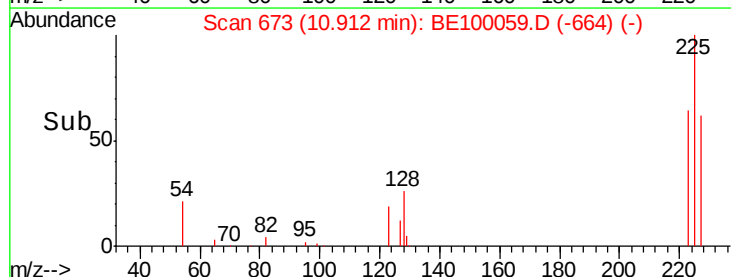
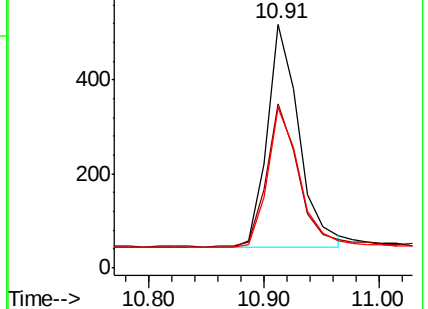
227 63.0 51.9 77.9

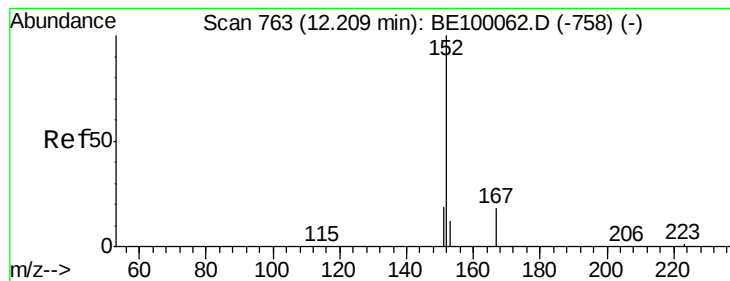


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.423 ng

RT: 12.21 min Scan# 763

Delta R.T. -0.00 min

Lab File: BE100059.D

Acq: 17 Jun 2019 8:38

Instrument :

BNA_G

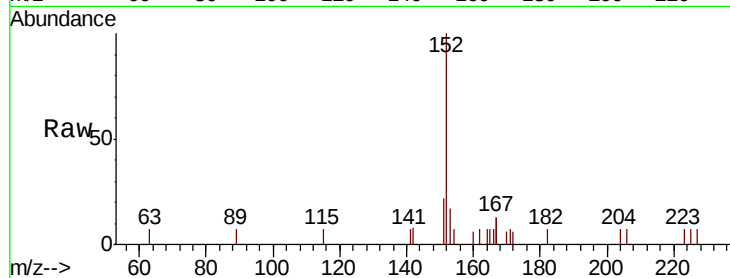
ClientSampleId :

Tot Ion:152 Resp: 1882

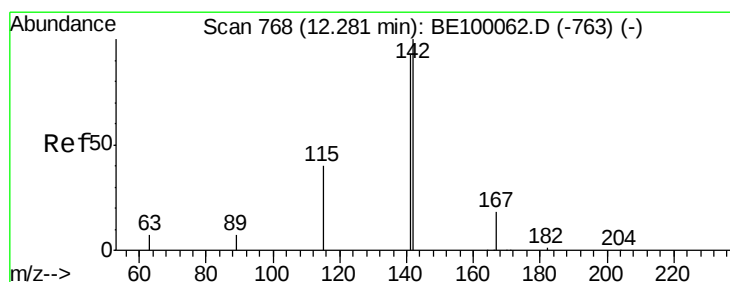
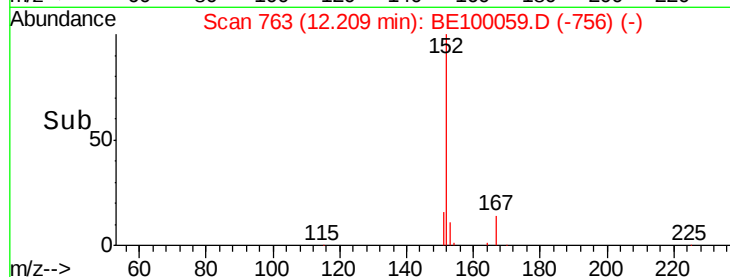
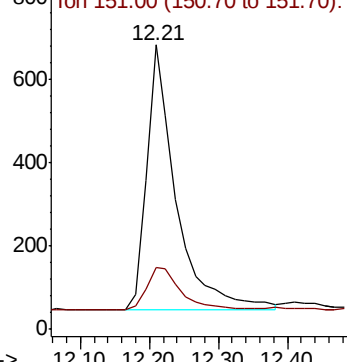
Ion Ratio Lower Upper

152 100

151 19.1 15.4 23.2



Abundance Ion 152.00 (151.70 to 152.70): E



#12

2-Methylnaphthalene

Concen: 0.409 ng

RT: 12.28 min Scan# 768

Delta R.T. -0.00 min

Lab File: BE100059.D

Acq: 17 Jun 2019 8:38

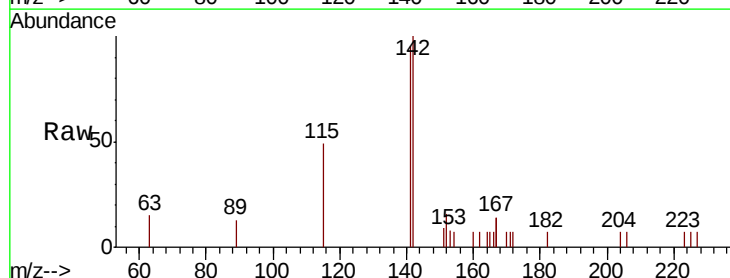
Tgt Ion:142 Resp: 1830

Ion Ratio Lower Upper

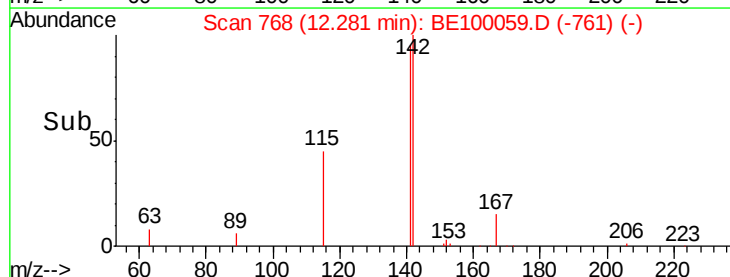
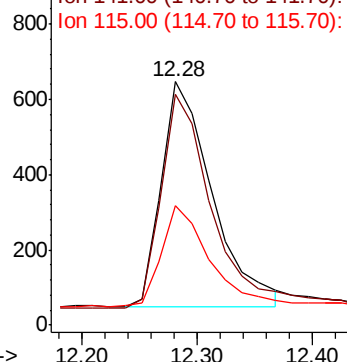
142 100

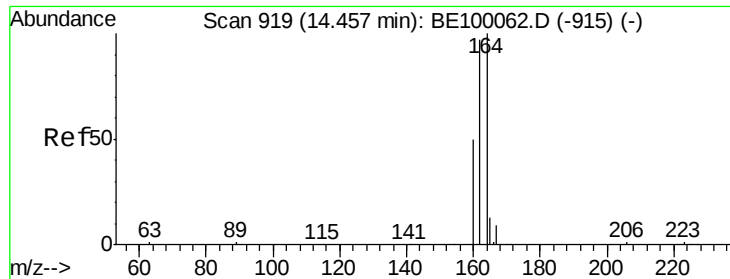
141 94.6 74.2 111.4

115 49.3 36.5 54.7



Abundance Ion 142.00 (141.70 to 142.70): E

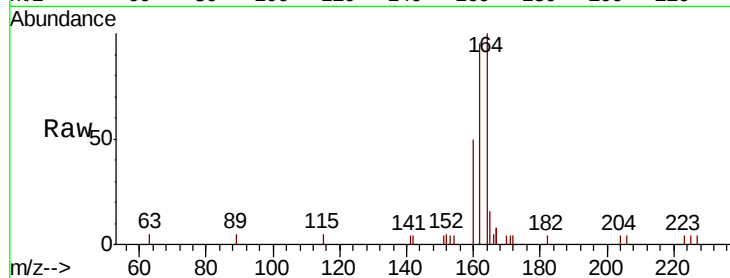




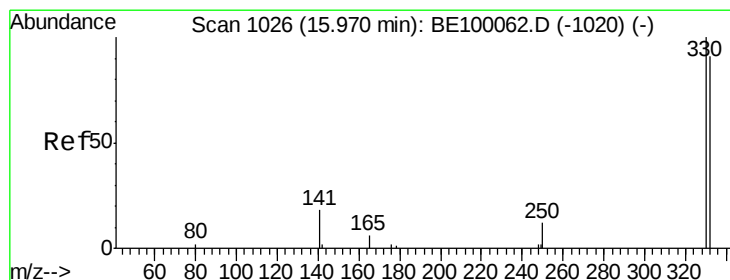
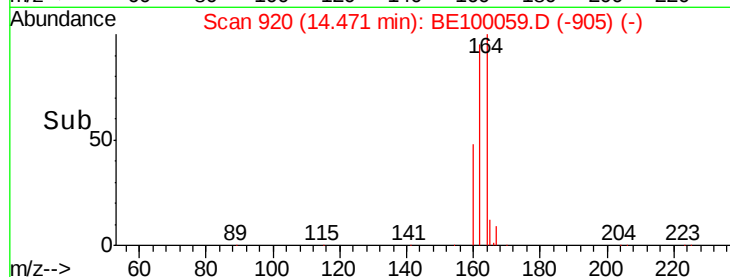
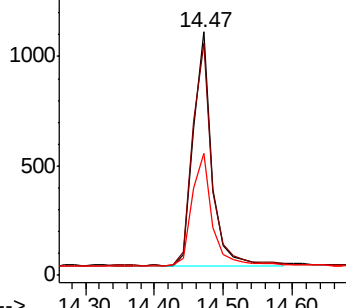
#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.47 min Scan# 920
 Delta R.T. 0.01 min
 Lab File: BE100059.D
 Acq: 17 Jun 2019 8:38

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:164 Resp: 1989
 Ion Ratio Lower Upper
 164 100
 162 95.1 77.6 116.4
 160 50.0 41.7 62.5

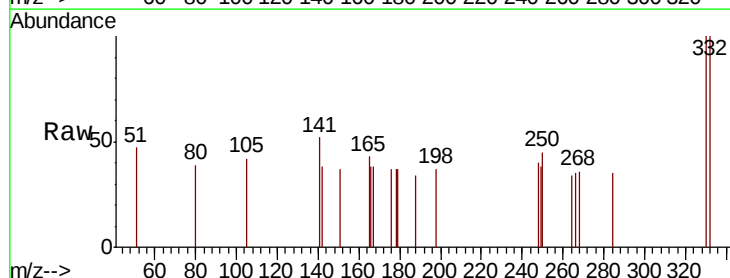


Abundance Ion 164.00 (163.70 to 164.70): E
 1500 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

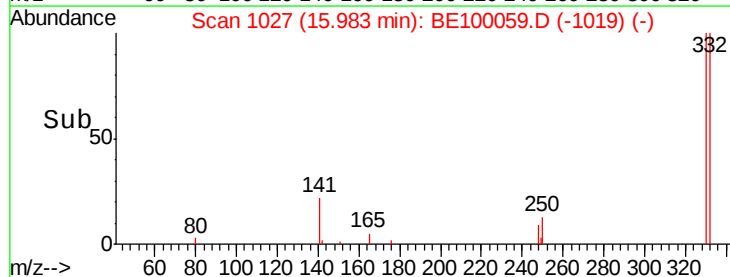
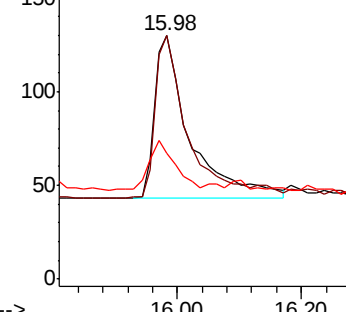


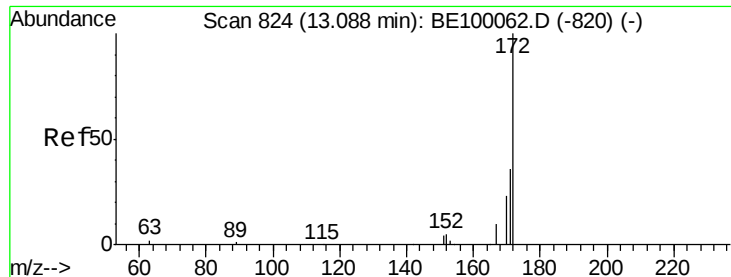
#14
 2,4,6-Tribromophenol
 Concen: 0.235 ng
 RT: 15.98 min Scan# 1027
 Delta R.T. 0.01 min
 Lab File: BE100059.D
 Acq: 17 Jun 2019 8:38

Tgt Ion:330 Resp: 345
 Ion Ratio Lower Upper
 330 100
 332 95.4 74.7 112.1
 141 21.2 20.3 30.5



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

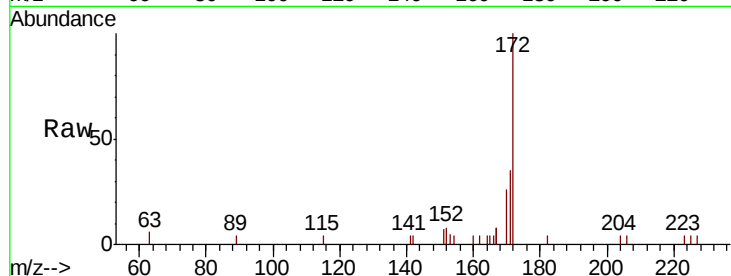




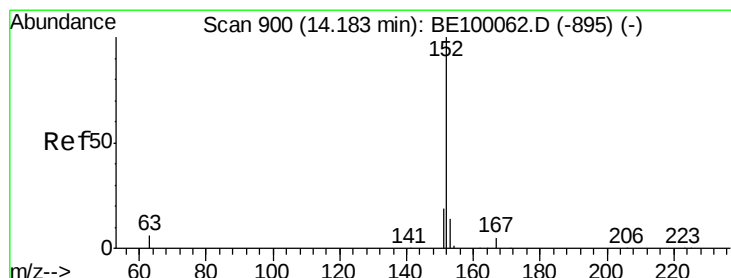
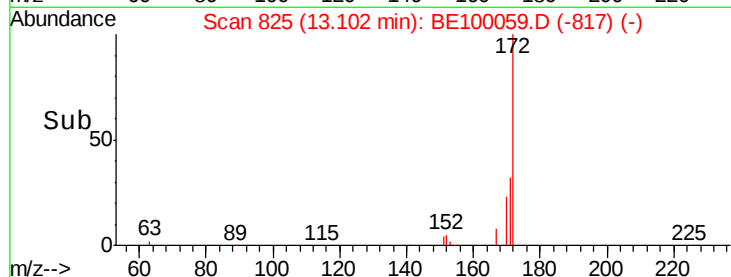
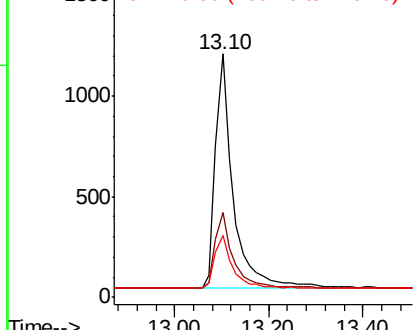
#15
2-Fluorobiphenyl
Concen: 0.408 ng
RT: 13.10 min Scan# 825
Delta R.T. 0.01 min
Lab File: BE100059.D
Acq: 17 Jun 2019 8:38

Instrument :
BNA_G
ClientSampleId :

Tot Ion:172 Resp: 3078
Ion Ratio Lower Upper
172 100
171 34.8 31.0 46.6
170 25.6 21.3 31.9

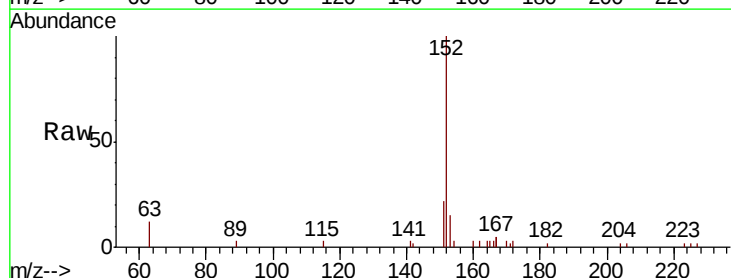


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

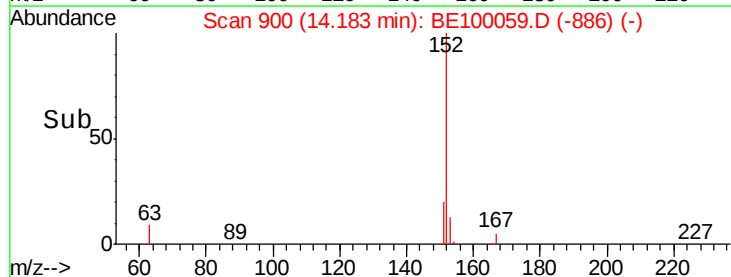
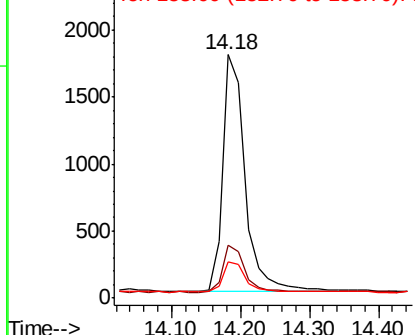


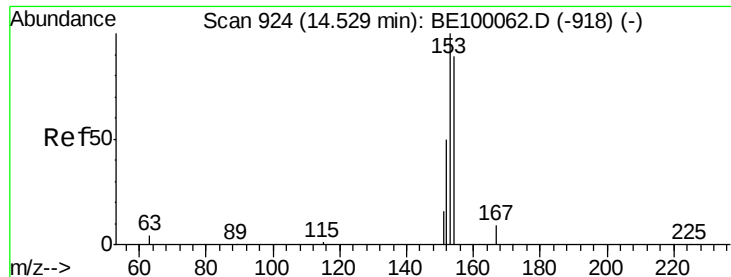
#16
Acenaphthylene
Concen: 0.406 ng
RT: 14.18 min Scan# 900
Delta R.T. -0.00 min
Lab File: BE100059.D
Acq: 17 Jun 2019 8:38

Tgt Ion:152 Resp: 4013
Ion Ratio Lower Upper
152 100
151 19.5 16.1 24.1
153 13.4 11.1 16.7



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

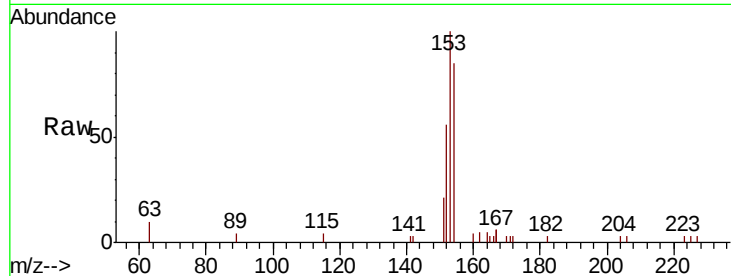




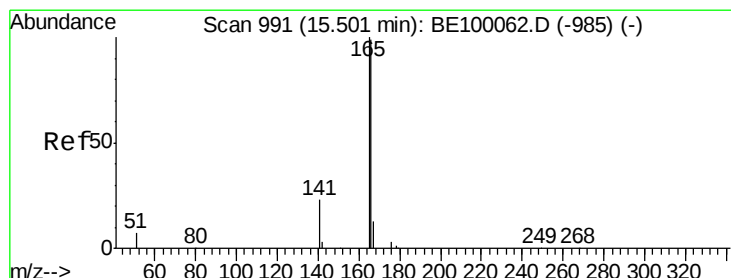
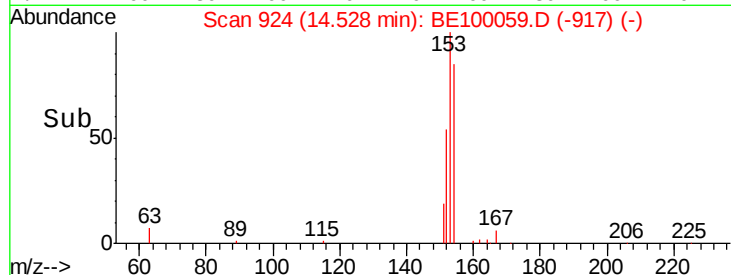
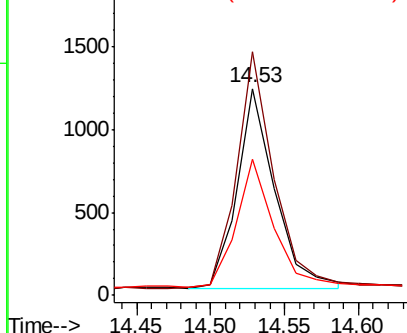
#17
Acenaphthene
Concen: 0.395 ng
RT: 14.53 min Scan# 924
Delta R.T. -0.00 min
Lab File: BE100059.D
Acq: 17 Jun 2019 8:38

Instrument :
BNA_G
ClientSampleId :

Tot Ion:154 Resp: 2128
Ion Ratio Lower Upper
154 100
153 116.4 94.3 141.5
152 63.9 49.0 73.6

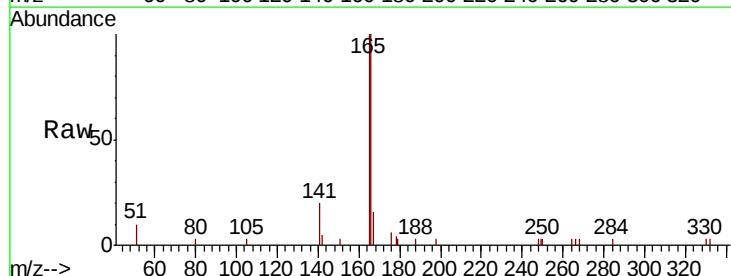


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

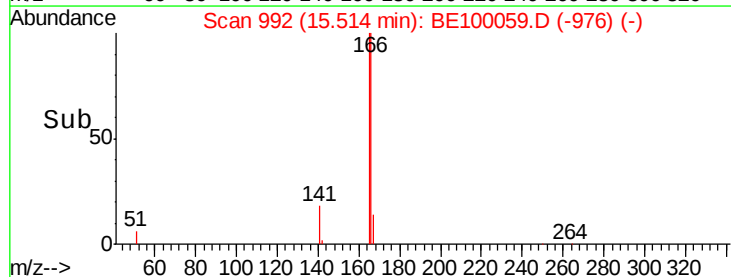
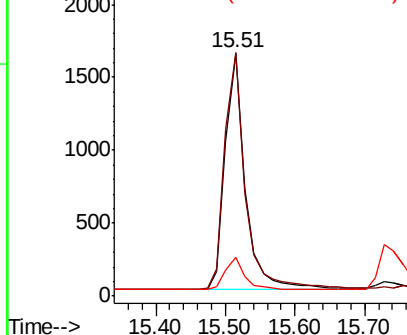


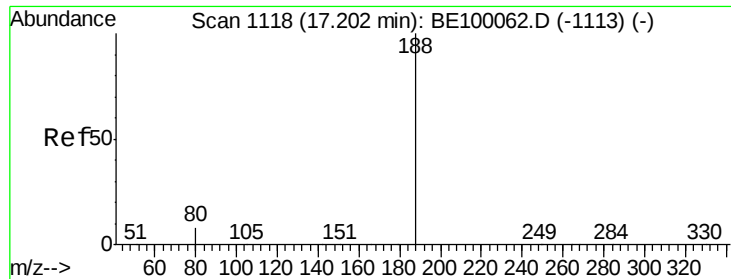
#18
Fluorene
Concen: 0.403 ng
RT: 15.51 min Scan# 992
Delta R.T. 0.01 min
Lab File: BE100059.D
Acq: 17 Jun 2019 8:38

Tgt Ion:166 Resp: 3259
Ion Ratio Lower Upper
166 100
165 100.6 82.3 123.5
167 13.7 11.0 16.4



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. 0.01 min

Lab File: BE100059.D

Acq: 17 Jun 2019 8:38

Instrument :

BNA_G

ClientSampleId :

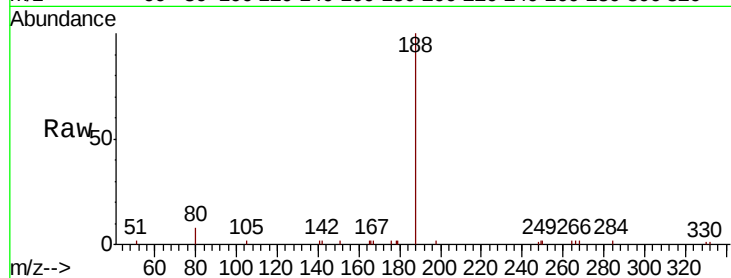
Tot Ion:188 Resp: 6338

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

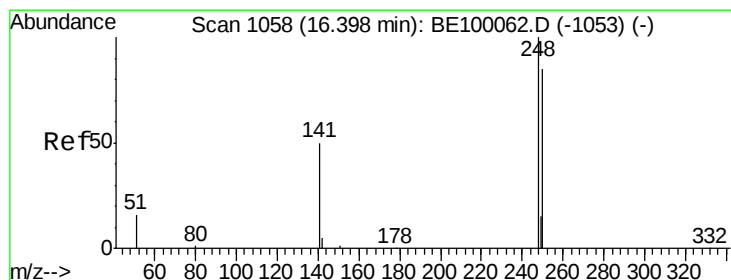
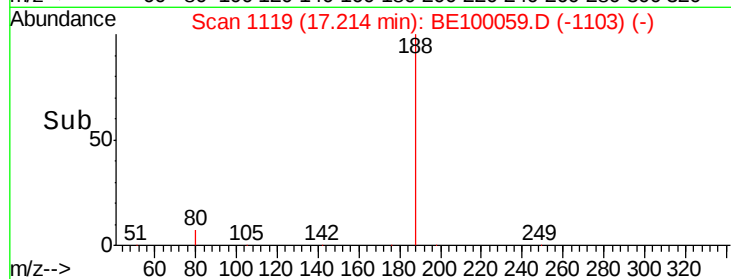
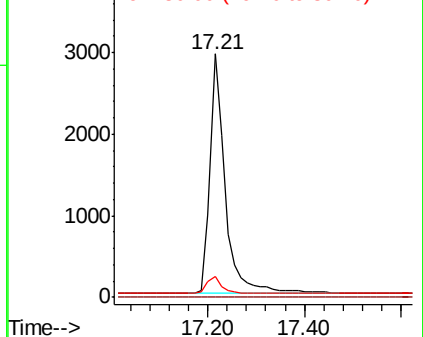
80 8.5 8.2 12.4



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE1

Ion 80.00 (79.70 to 80.70): BE1



#20

4-Bromophenyl-phenylether

Concen: 0.401 ng

RT: 16.41 min Scan# 1059

Delta R.T. 0.01 min

Lab File: BE100059.D

Acq: 17 Jun 2019 8:38

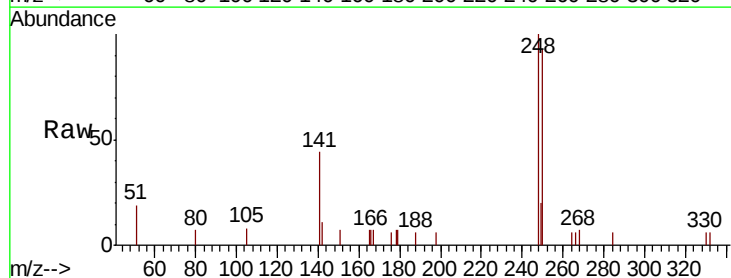
Tgt Ion:248 Resp: 1439

Ion Ratio Lower Upper

248 100

250 93.0 69.8 104.8

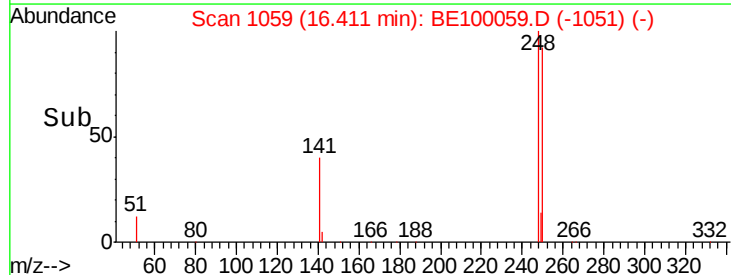
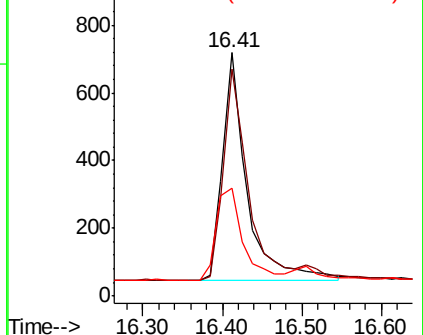
141 44.4 43.0 64.6

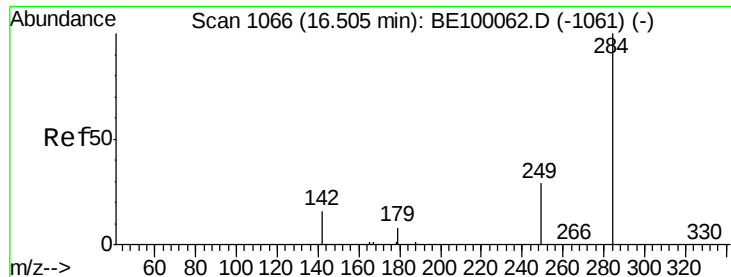


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.402 ng

RT: 16.52 min Scan# 1067

Delta R.T. 0.01 min

Lab File: BE100059.D

Acq: 17 Jun 2019 8:38

Instrument :

BNA_G

ClientSampled :

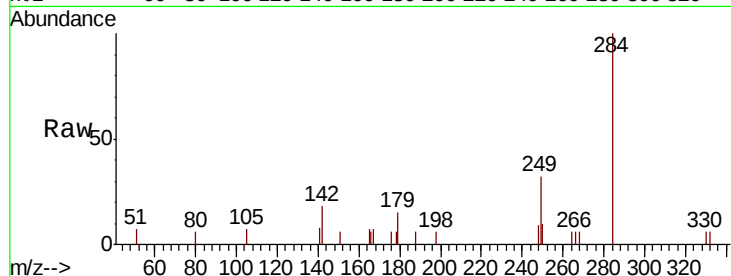
Tot Ion:284 Resp: 1474

Ion Ratio Lower Upper

284 100

142 24.0 20.3 30.5

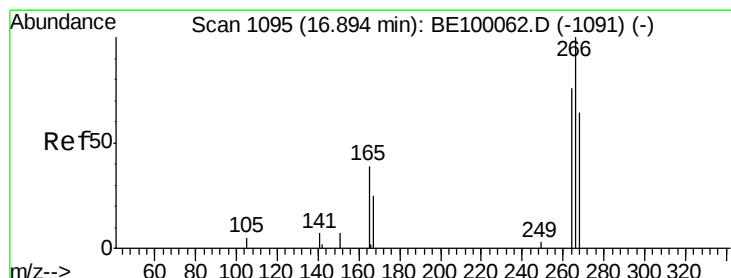
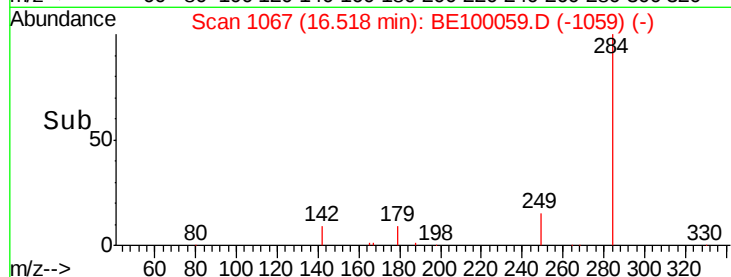
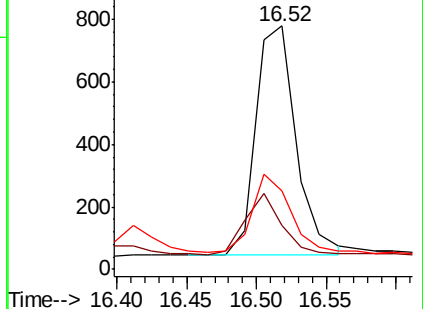
249 31.5 25.3 37.9



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: 0.144 ng

RT: 16.93 min Scan# 1098

Delta R.T. 0.04 min

Lab File: BE100059.D

Acq: 17 Jun 2019 8:38

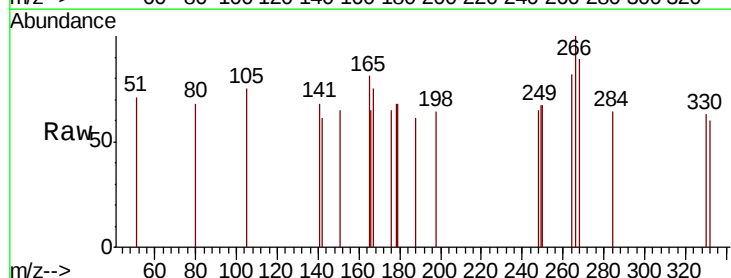
Tgt Ion:266 Resp: 165

Ion Ratio Lower Upper

266 100

264 81.9 68.6 102.8

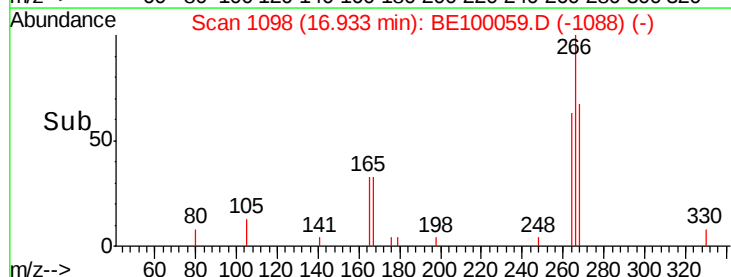
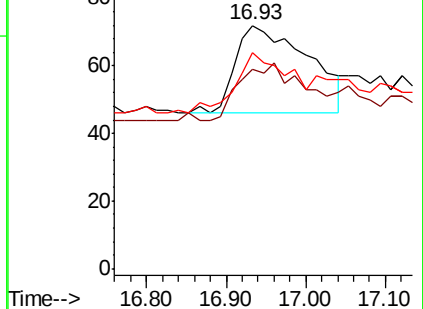
268 88.9 67.0 100.6

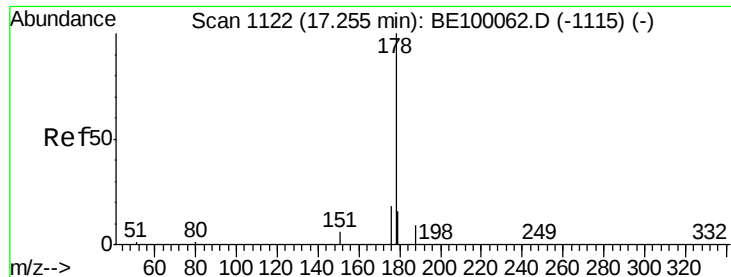


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.391 ng

RT: 17.25 min Scan# 1122

Delta R.T. -0.00 min

Lab File: BE100059.D

Acq: 17 Jun 2019 8:38

Instrument :

BNA_G

ClientSampleId :

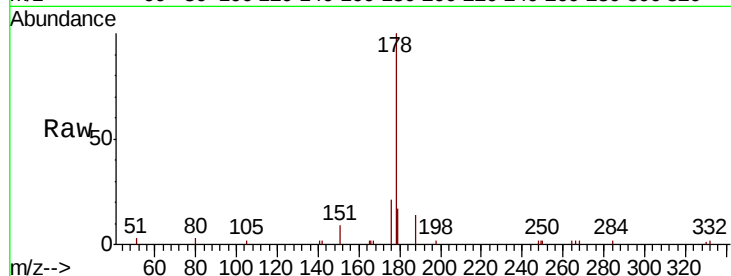
Tot Ion:178 Resp: 6013

Ion Ratio Lower Upper

178 100

176 19.7 15.7 23.5

179 15.4 12.4 18.6

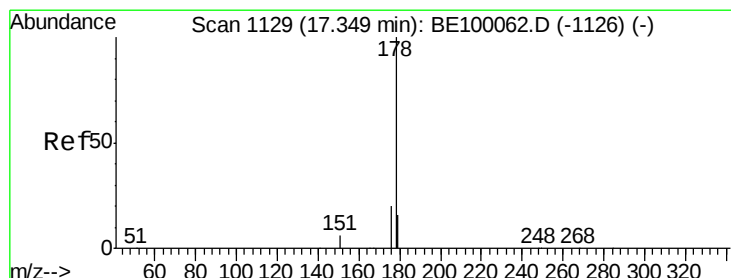
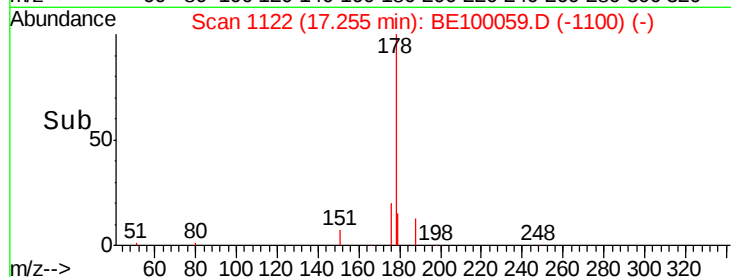
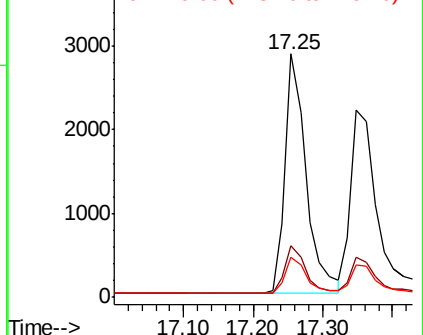


Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#24

Anthracene

Concen: 0.359 ng

RT: 17.35 min Scan# 1129

Delta R.T. -0.00 min

Lab File: BE100059.D

Acq: 17 Jun 2019 8:38

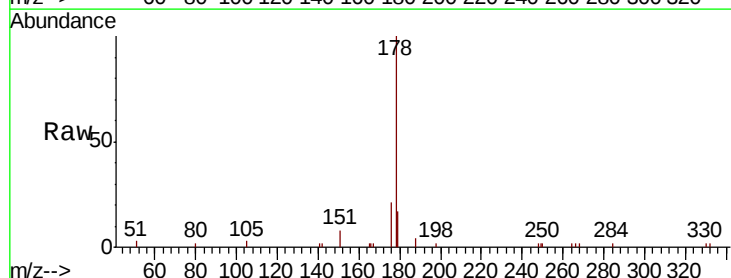
Tgt Ion:178 Resp: 5062

Ion Ratio Lower Upper

178 100

176 19.4 14.6 21.8

179 15.1 12.6 19.0

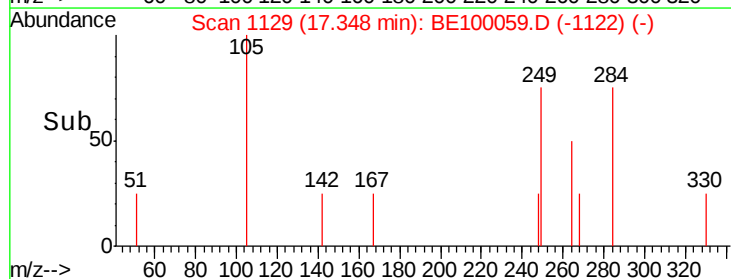
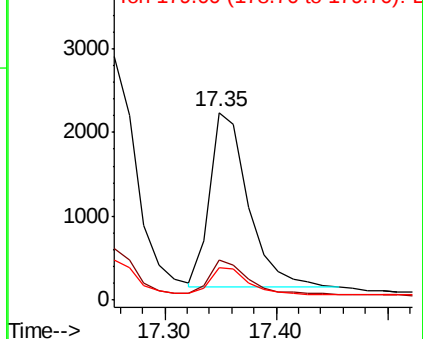


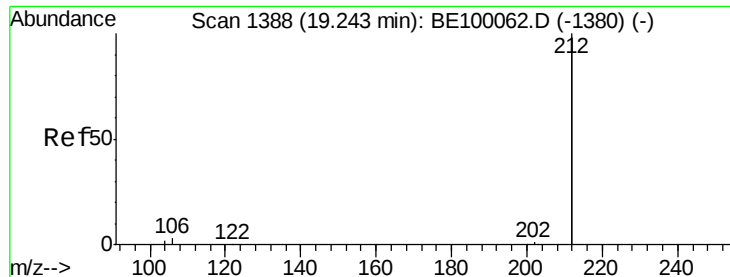
Abundance

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: 0.357 ng

RT: 19.25 min Scan# 1389

Delta R.T. 0.01 min

Lab File: BE100059.D

Acq: 17 Jun 2019 8:38

Instrument :

BNA_G

ClientSampleId :

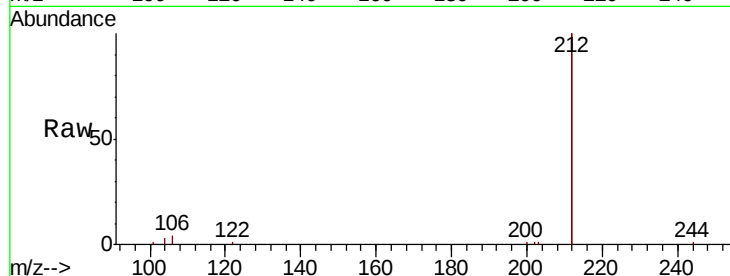
Tot Ion:212 Resp: 33007

Ion Ratio Lower Upper

212 100

106 1.8 1.4 2.2

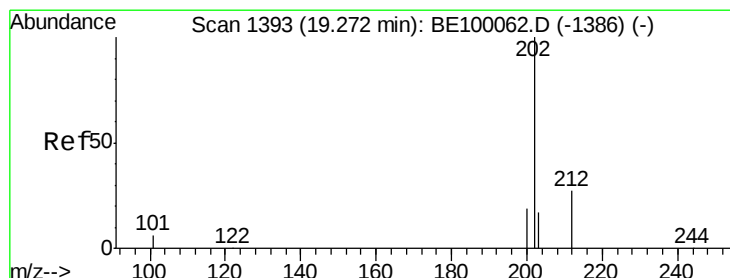
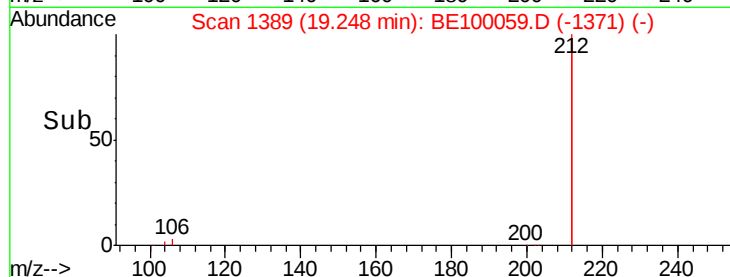
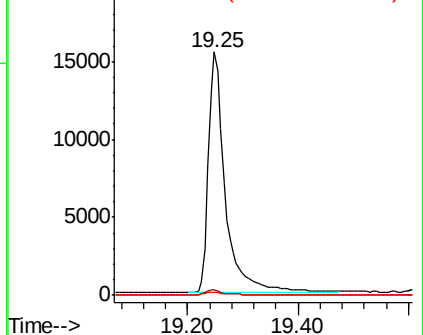
104 1.0 0.9 1.3



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: 0.360 ng

RT: 19.28 min Scan# 1394

Delta R.T. 0.01 min

Lab File: BE100059.D

Acq: 17 Jun 2019 8:38

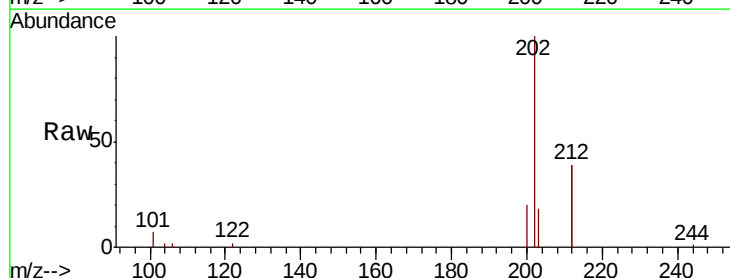
Tgt Ion:202 Resp: 9408

Ion Ratio Lower Upper

202 100

101 6.3 5.3 7.9

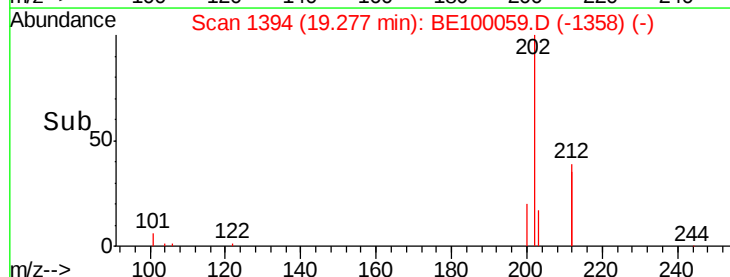
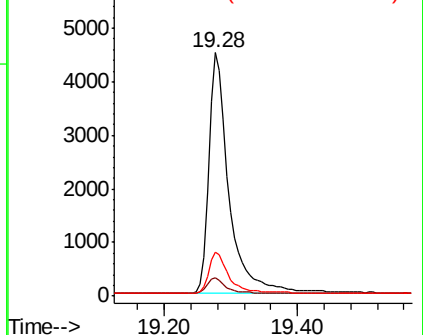
203 17.3 13.3 19.9

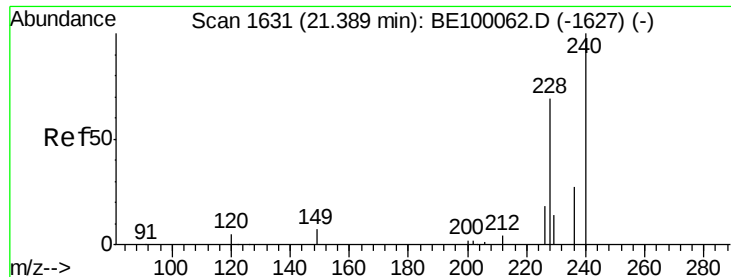


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.40 min Scan# 1633

Delta R.T. 0.01 min

Lab File: BE100059.D

Acq: 17 Jun 2019 8:38

Instrument :

BNA_G

ClientSampleId :

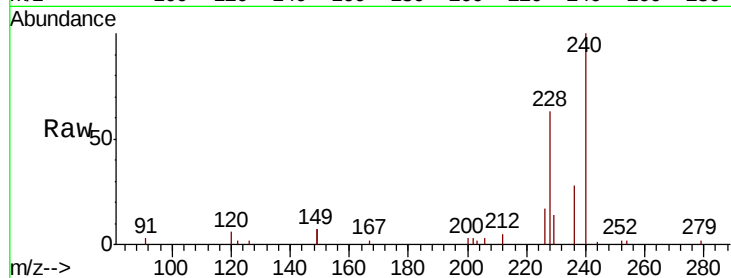
Tot Ion:240 Resp: 7732

Ion Ratio Lower Upper

240 100

120 5.8 5.4 8.0

236 28.3 22.6 33.8

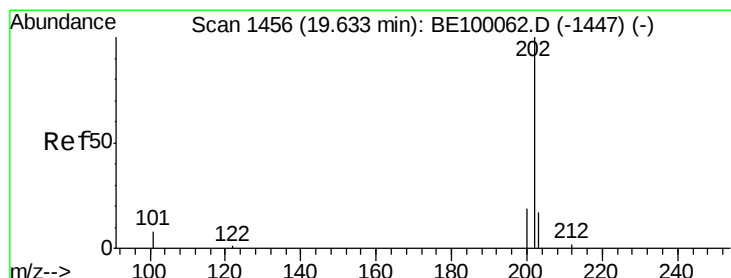
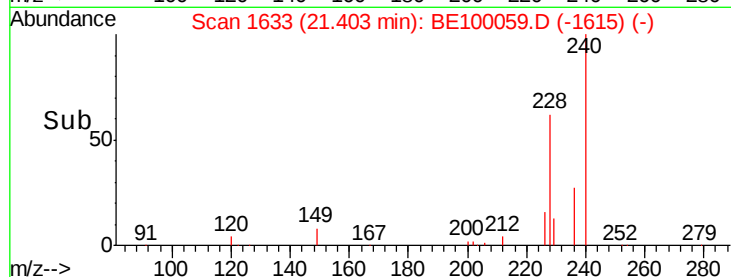
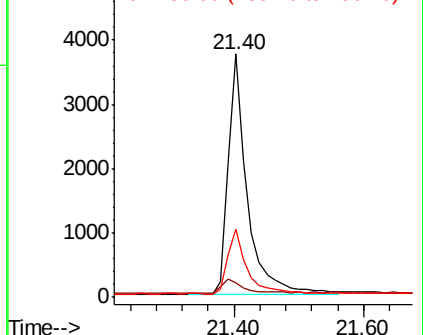


Abundance

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: 0.474 ng

RT: 19.64 min Scan# 1458

Delta R.T. 0.01 min

Lab File: BE100059.D

Acq: 17 Jun 2019 8:38

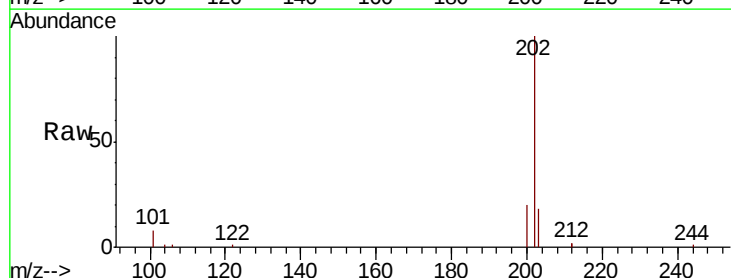
Tgt Ion:202 Resp: 9623

Ion Ratio Lower Upper

202 100

200 19.5 15.6 23.4

203 17.7 14.0 21.0

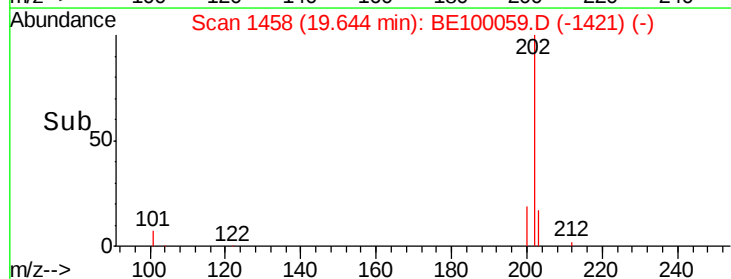
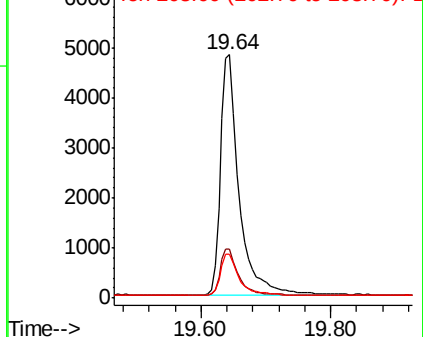


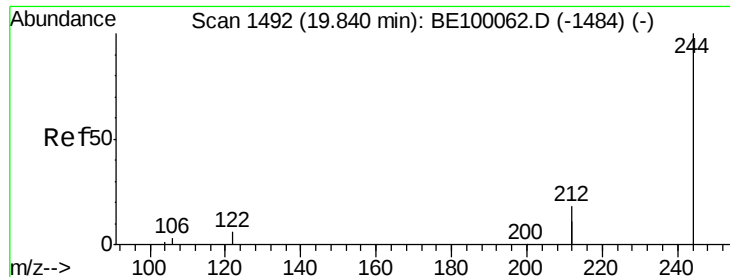
Abundance

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: 0.436 ng

RT: 19.85 min Scan# 1494

Delta R.T. 0.01 min

Lab File: BE100059.D

Acq: 17 Jun 2019 8:38

Instrument :

BNA_G

ClientSampleId :

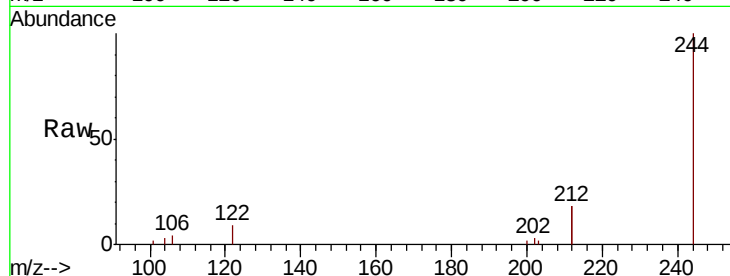
Tot Ion:244 Resp: 6074

Ion Ratio Lower Upper

244 100

212 36.7 27.9 41.9

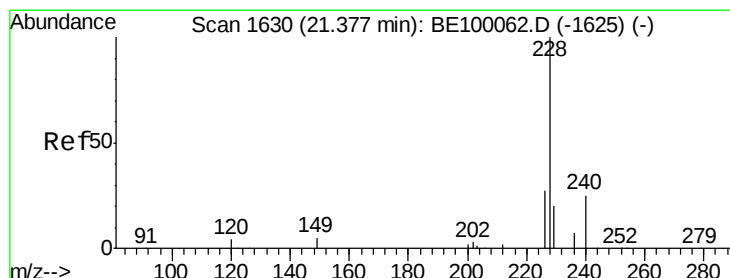
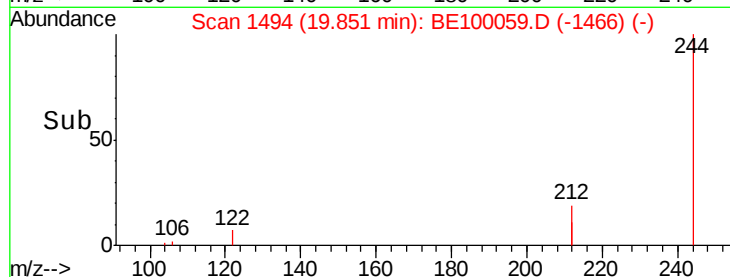
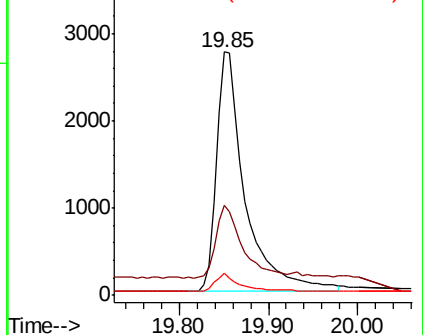
122 8.9 5.8 8.6#



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: 0.403 ng

RT: 21.39 min Scan# 1632

Delta R.T. 0.01 min

Lab File: BE100059.D

Acq: 17 Jun 2019 8:38

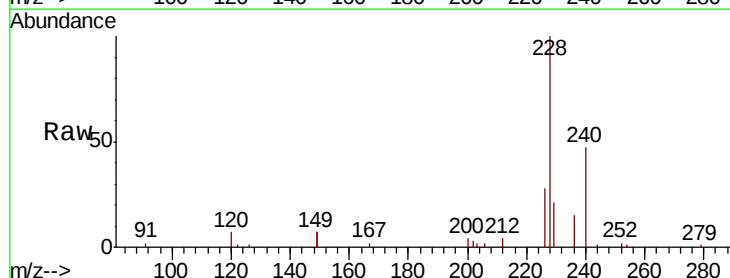
Tgt Ion:228 Resp: 9311

Ion Ratio Lower Upper

228 100

226 27.9 22.1 33.1

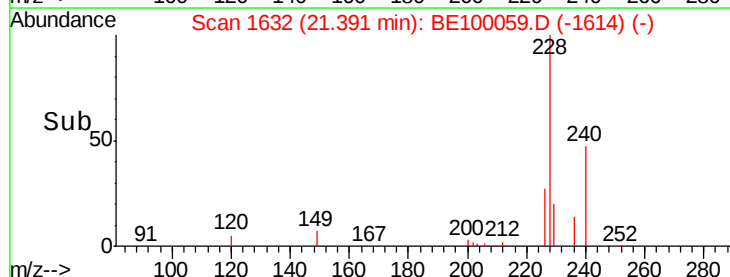
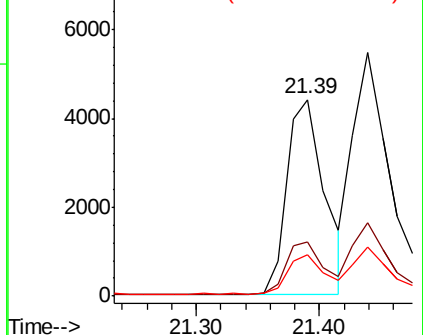
229 21.1 16.9 25.3

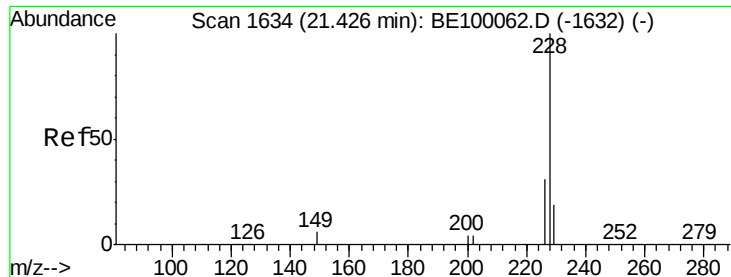


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.452 ng

RT: 21.44 min Scan# 1636

Delta R.T. 0.01 min

Lab File: BE100059.D

Acq: 17 Jun 2019 8:38

Instrument :

BNA_G

ClientSampleId :

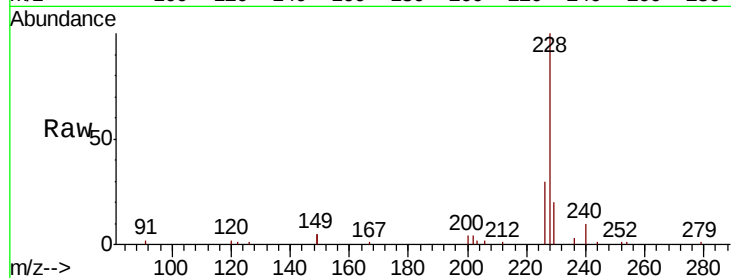
Tot Ion:228 Resp: 10810

Ion Ratio Lower Upper

228 100

226 30.0 24.1 36.1

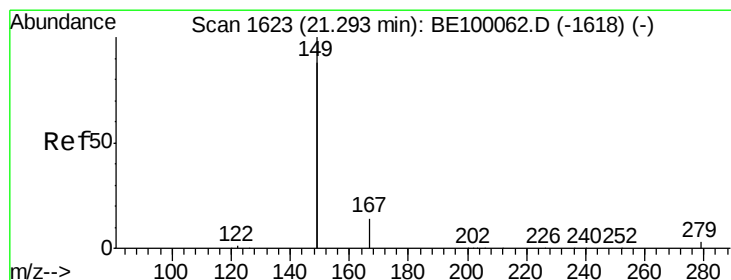
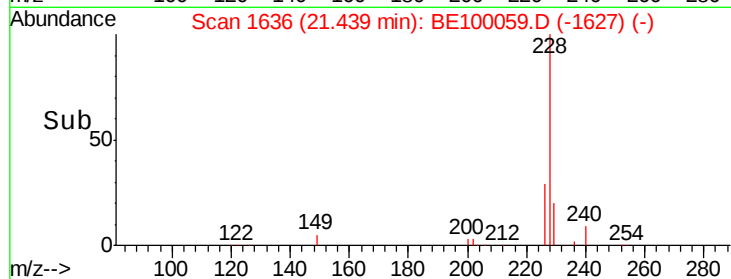
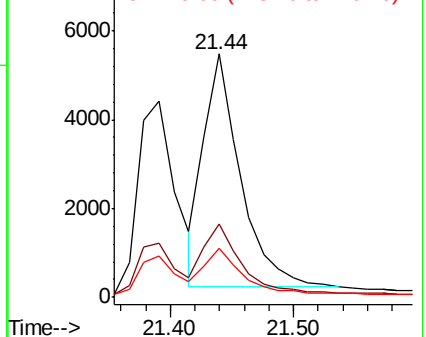
229 20.3 15.8 23.8



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: 0.311 ng

RT: 21.29 min Scan# 1624

Delta R.T. 0.00 min

Lab File: BE100059.D

Acq: 17 Jun 2019 8:38

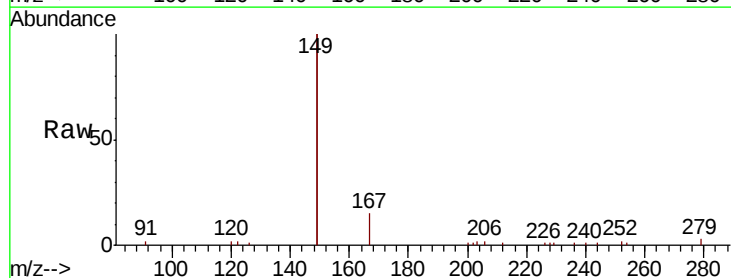
Tgt Ion:149 Resp: 10299

Ion Ratio Lower Upper

149 100

167 7.4 5.9 8.9

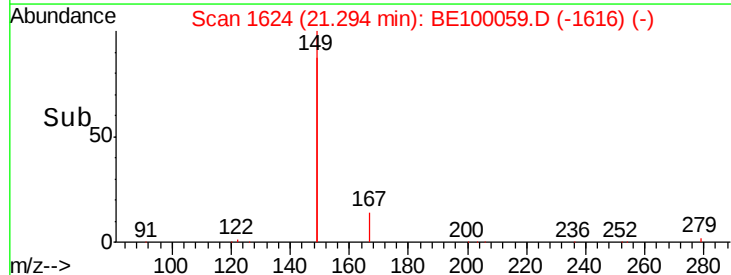
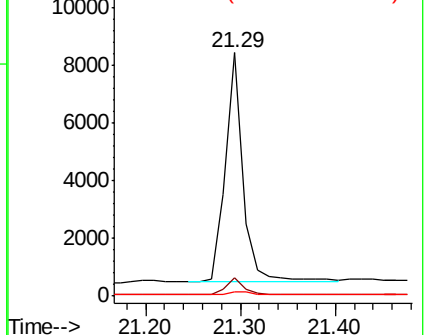
279 1.4 1.0 1.6

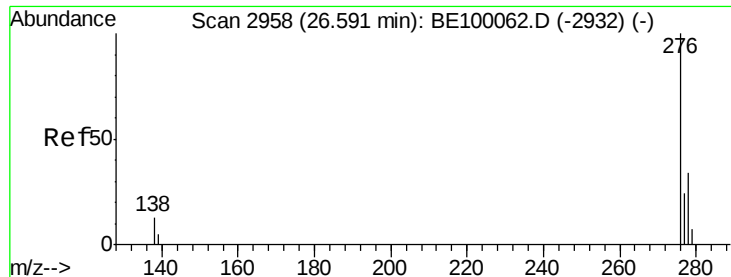


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

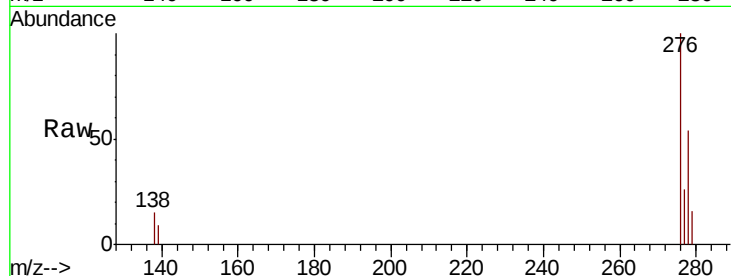




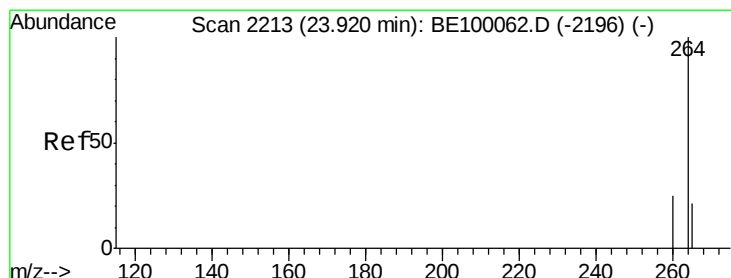
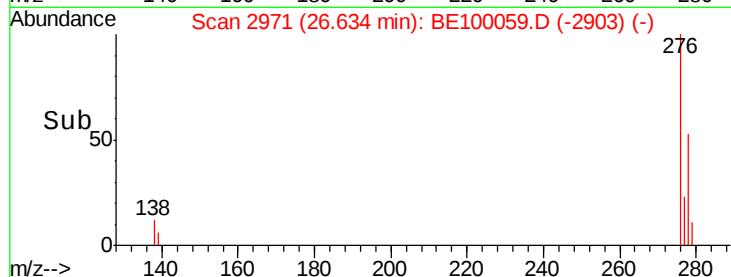
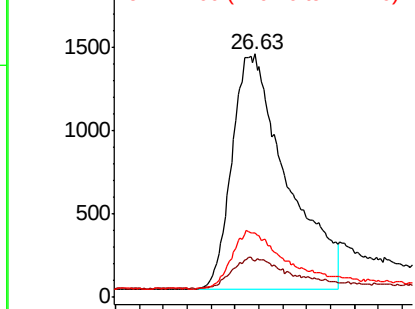
#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.319 ng
 RT: 26.63 min Scan# 2971
 Delta R.T. 0.04 min
 Lab File: BE100059.D
 Acq: 17 Jun 2019 8:38

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:276 Resp: 9049
 Ion Ratio Lower Upper
 276 100
 138 5.6 10.7 16.1#
 277 24.0 19.0 28.6

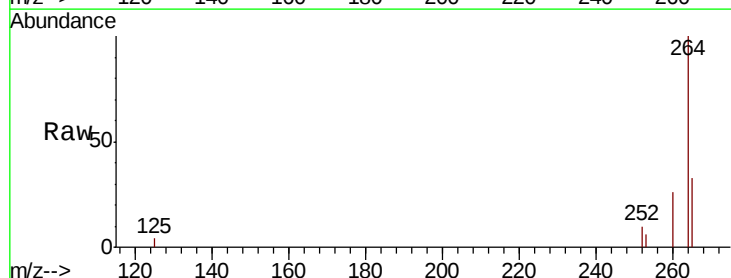


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

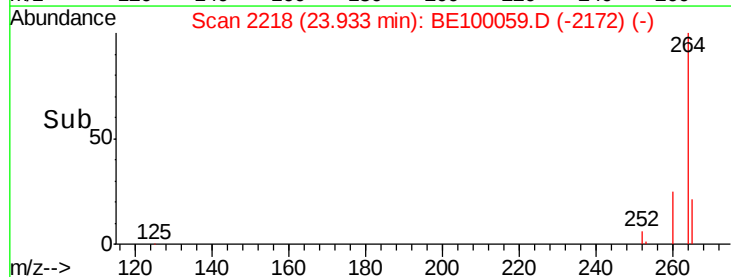
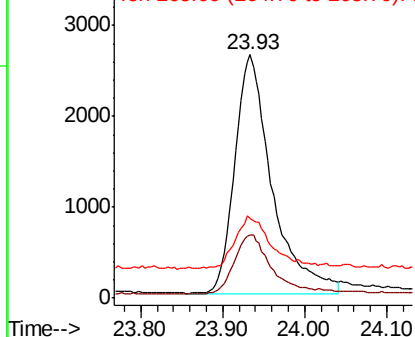


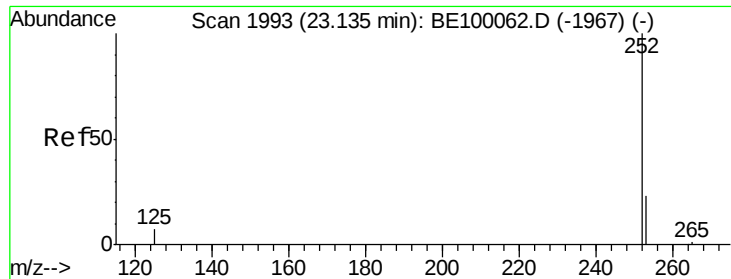
#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.93 min Scan# 2218
 Delta R.T. 0.01 min
 Lab File: BE100059.D
 Acq: 17 Jun 2019 8:38

Tgt Ion:264 Resp: 8264
 Ion Ratio Lower Upper
 264 100
 260 26.2 20.6 31.0
 265 32.9 23.6 35.4



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

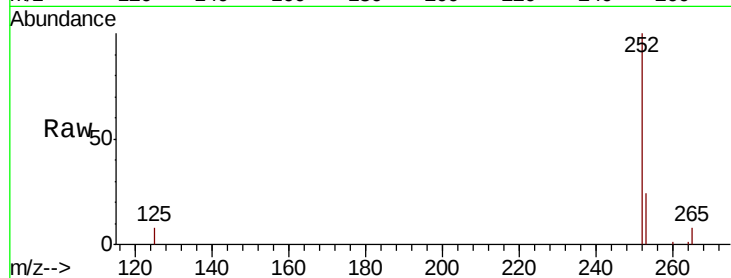




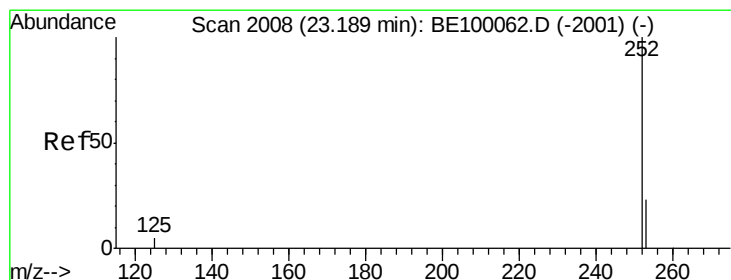
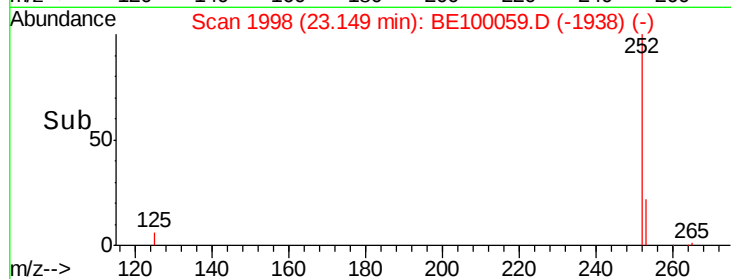
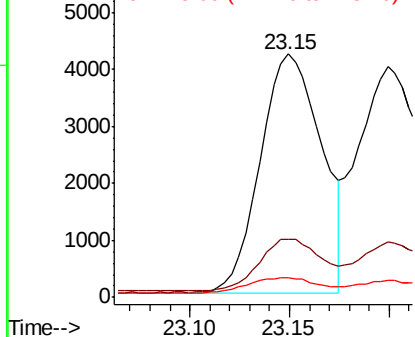
#35
Benzo(b)fluoranthene
Concen: 0.385 ng
RT: 23.15 min Scan# 1998
Delta R.T. 0.01 min
Lab File: BE100059.D
Acq: 17 Jun 2019 8:38

Instrument :
BNA_G
ClientSampleId :

Tot Ion:252 Resp: 8914
Ion Ratio Lower Upper
252 100
253 24.0 19.6 29.4
125 8.2 7.2 10.8

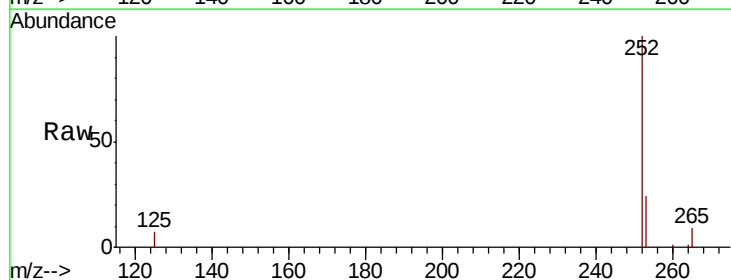


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

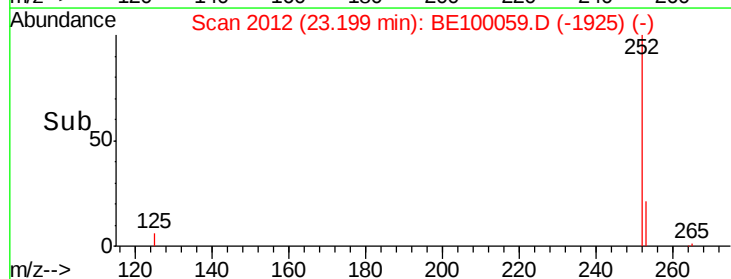
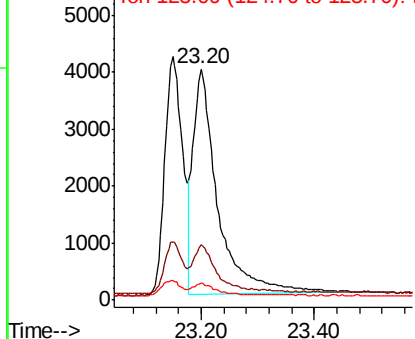


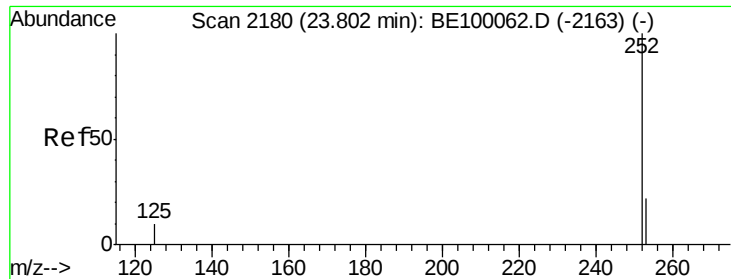
#36
Benzo(k)fluoranthene
Concen: 0.490 ng
RT: 23.20 min Scan# 2012
Delta R.T. 0.01 min
Lab File: BE100059.D
Acq: 17 Jun 2019 8:38

Tgt Ion:252 Resp: 11879
Ion Ratio Lower Upper
252 100
253 23.7 19.3 28.9
125 7.4 5.6 8.4



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: 0.419 ng

RT: 23.82 min Scan# 2186

Delta R.T. 0.02 min

Lab File: BE100059.D

Acq: 17 Jun 2019 8:38

Instrument :

BNA_G

ClientSampleId :

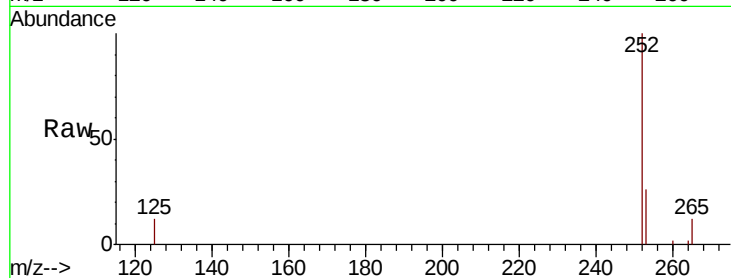
Tot Ion:252 Resp: 9557

Ion Ratio Lower Upper

252 100

253 26.1 20.0 30.0

125 11.7 9.6 14.4

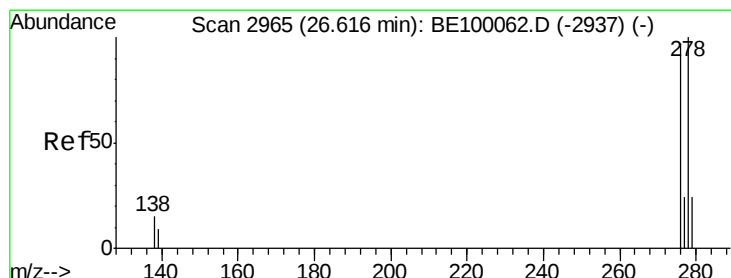
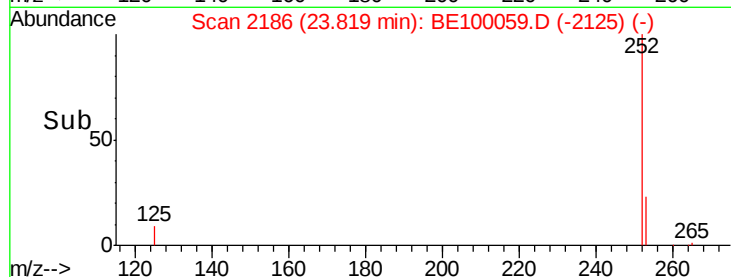
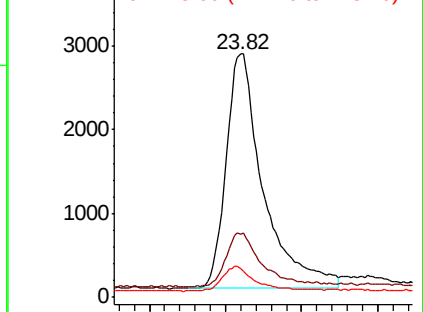


Abundance

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: 0.299 ng

RT: 26.66 min Scan# 2977

Delta R.T. 0.04 min

Lab File: BE100059.D

Acq: 17 Jun 2019 8:38

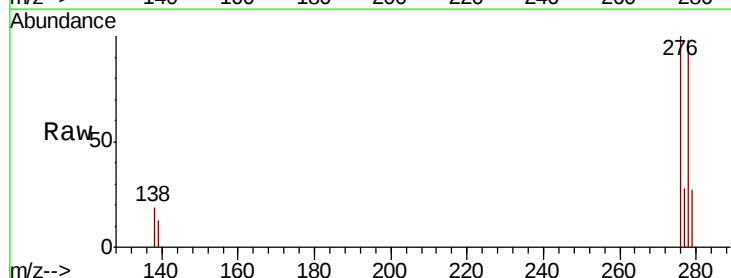
Tgt Ion:278 Resp: 6873

Ion Ratio Lower Upper

278 100

139 13.4 9.2 13.8

279 27.7 21.4 32.0

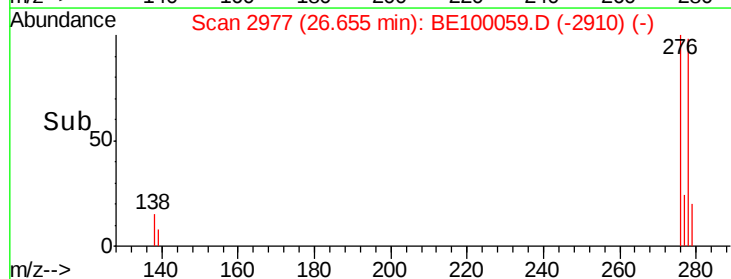
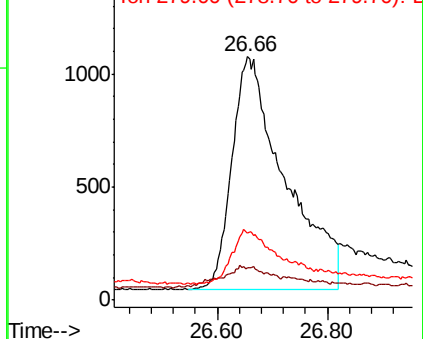


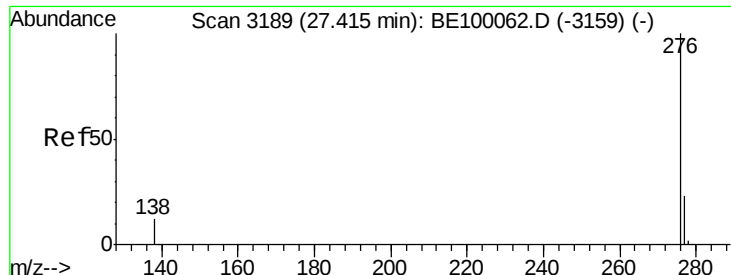
Abundance

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(a,h,i)perylene

Concen: 0.352 ng

RT: 27.45 min Scan# 3199

Delta R.T. 0.03 min

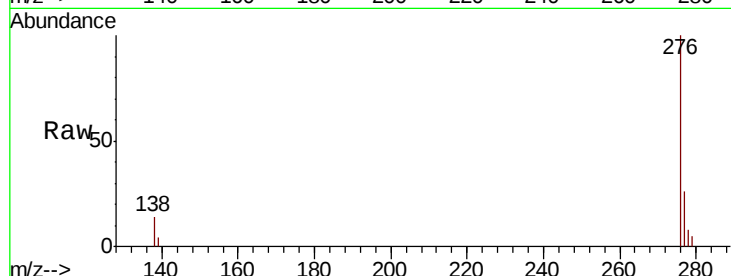
Lab File: BE100059.D

Acq: 17 Jun 2019 8:38

Instrument :

BNA_G

ClientSampleId :



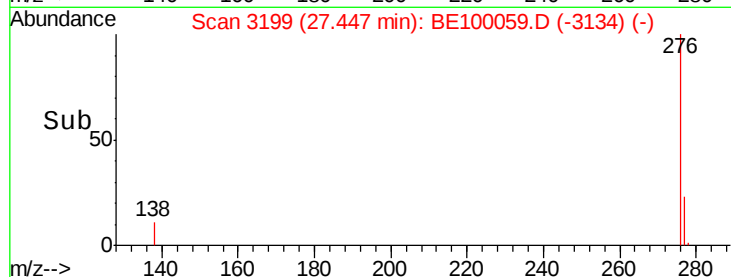
Tot Ion: 276 Resp: 8358

Ion Ratio Lower Upper

276 100

277 25.6 19.4 29.2

138 14.1 11.0 16.6



Abundance Ion 276.00 (275.70 to 276.70): E

2000 Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

