

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE062019\
 Data File : BE100127.D
 Acq On : 21 Jun 2019 3:16
 Operator : JU/SJ
 Sample : K3345-05
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C-MW-10_061119

Quant Time: Jun 21 06:51:46 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE061919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 19 15:07:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.72	152	684	0.40	ng	-0.01
7) Naphthalene-d8	10.54	136	2345	0.40	ng	0.00
13) Acenaphthene-d10	14.41	164	2284	0.40	ng	0.00
19) Phenanthrene-d10	17.16	188	8035	0.40	ng	0.00
27) Chrysene-d12	21.34	240	10535	0.40	ng	0.00
34) Perylene-d12	23.84	264	12399	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.29	112	377	0.27	ng	-0.01
5) Phenol-d6	6.92	99	302	0.15	ng	-0.01
8) Nitrobenzene-d5	8.91	82	1027	0.45	ng	0.00
11) 2-Methylnaphthalene-d10	12.15	152	182	0.04	ng	0.00
14) 2,4,6-Tribromophenol	15.90	330	749	0.59	ng	-0.01
15) 2-Fluorobiphenyl	13.03	172	4288	0.48	ng	-0.02
25) Fluoranthene-d10	19.20	212	4189	0.04	ng	0.00
29) Terphenyl-d14	19.79	244	13108	0.62	ng	-0.02

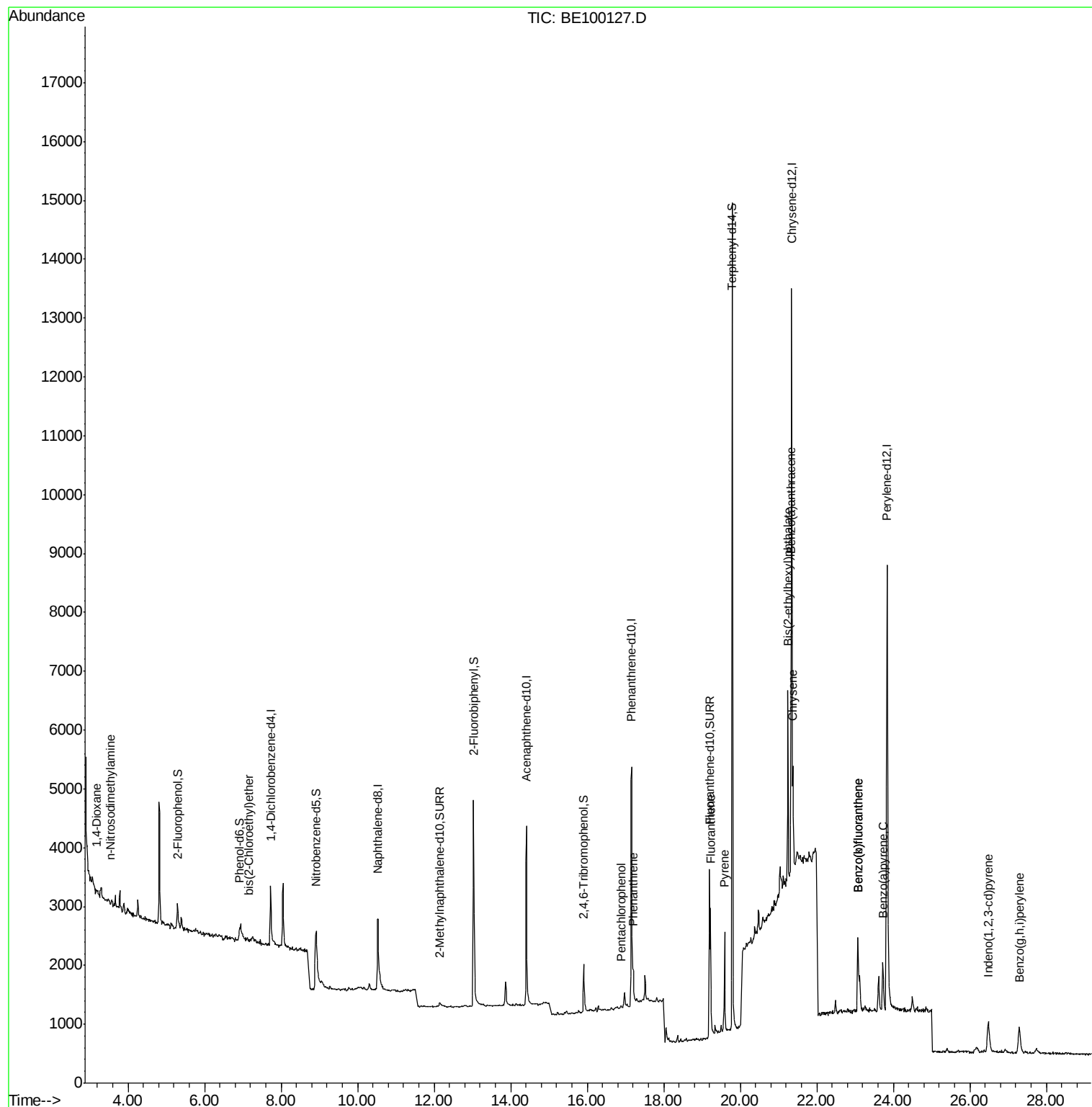
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.19	88	39	0.036	ng	# 1
3) n-Nitrosodimethylamine	3.53	42	12	0.358	ng	# 100
6) bis(2-Chloroethyl)ether	7.16	93	14	0.041	ng	# 1
22) Pentachlorophenol	16.88	266	2	0.243	ng	85
23) Phenanthrene	17.20	178	517	0.027	ng	# 86
26) Fluoranthene	19.22	202	2212	0.072	ng	# 96
28) Pyrene	19.59	202	1811	0.067	ng	# 95
30) Benzo(a)anthracene	21.33	228	828	0.026	ng	# 69
31) Chrysene	21.38	228	1604	0.044	ng	# 86
32) Bis(2-ethylhexyl)phthalate	21.25	149	3712	0.126	ng	# 99
33) Indeno(1,2,3-cd)pyrene	26.48	276	1242	0.030	ng	# 93
35) Benzo(b)fluoranthene	23.07	252	2180	0.060	ng	# 43
36) Benzo(k)fluoranthene	23.07	252	2180	0.053	ng	# 44
37) Benzo(a)pyrene	23.72	252	1142	0.033	ng	# 18
39) Benzo(g,h,i)perylene	27.29	276	1331	0.036	ng	# 70

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

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.72 min Scan# 422

Delta R.T. -0.01 min

Lab File: BE100127.D

Acq: 21 Jun 2019 3:16

Instrument :

BNA_E

ClientSampleId :

C-MW-10_061119

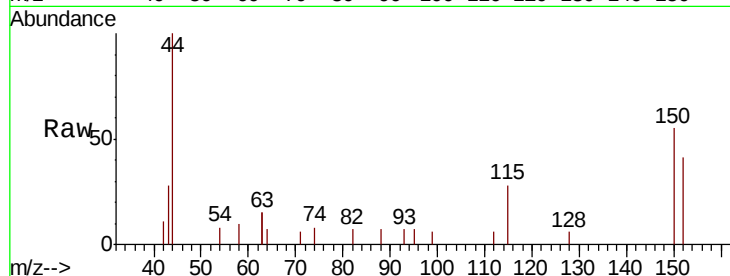
Tgt Ion: 152 Resp: 684

Ion Ratio Lower Upper

152 100

150 133.0 99.8 149.8

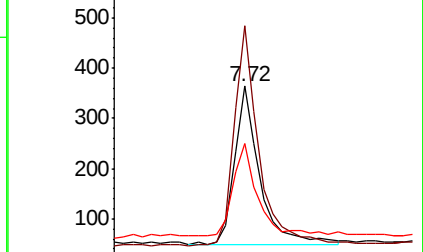
115 68.4 51.3 76.9



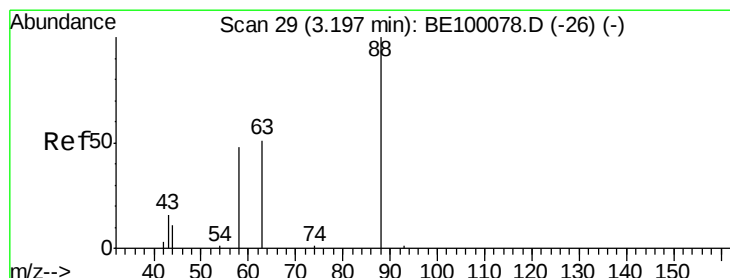
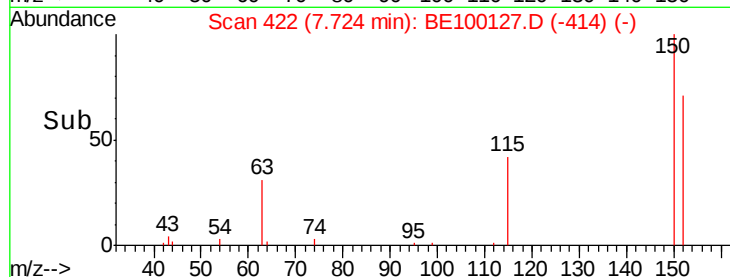
Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



Time-->



#2

1,4-Dioxane

Concen: 0.036 ng

RT: 3.19 min Scan# 28

Delta R.T. -0.01 min

Lab File: BE100127.D

Acq: 21 Jun 2019 3:16

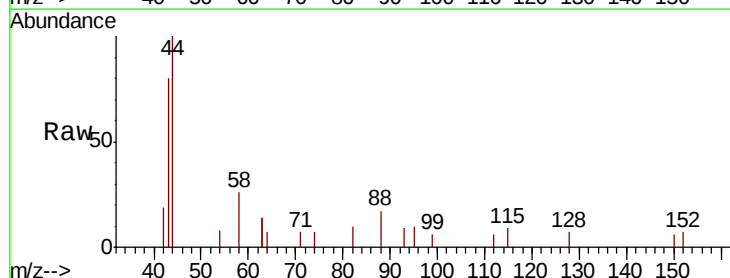
Tgt Ion: 88 Resp: 39

Ion Ratio Lower Upper

88 100

58 238.5 51.1 76.7#

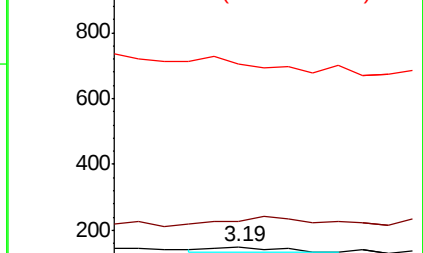
43 0.0 21.7 32.5#



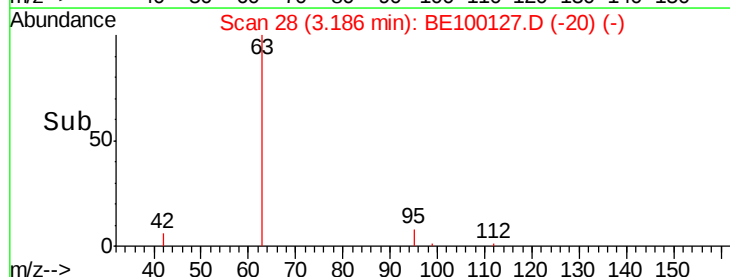
Abundance Ion 88.00 (87.70 to 88.70): BE1

Ion 58.00 (57.70 to 58.70): BE1

Ion 43.00 (42.70 to 43.70): BE1



Time-->





#3

n-Nitrosodimethylamine

Concen: 0.358 ng

RT: 3.53 min Scan# 58

Delta R.T. -0.07 min

Lab File: BE100127.D

Acq: 21 Jun 2019 3:16

Instrument :

BNA_E

ClientSampleId :

C-MW-10_061119

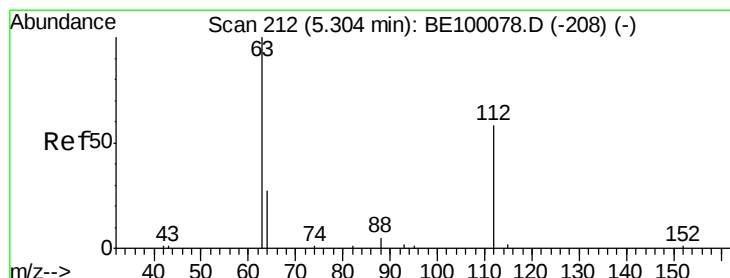
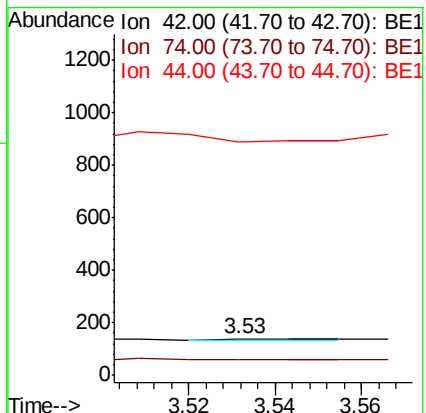
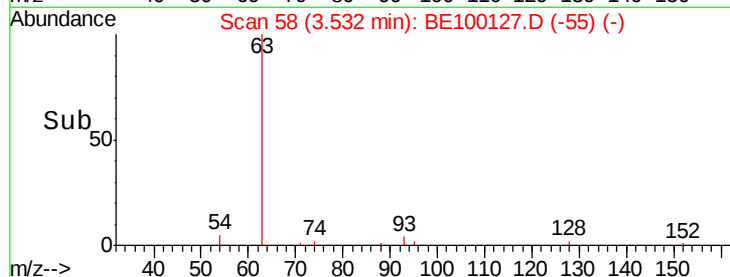
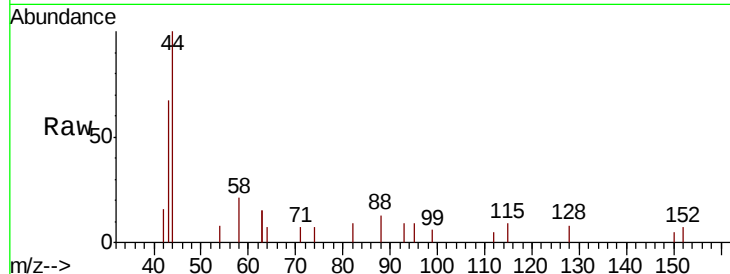
Tgt Ion: 42 Resp: 12

Ion Ratio Lower Upper

42 100

74 0.0 0.0 0.0

44 0.0 0.0 0.0



#4

2-Fluorophenol

Concen: 0.266 ng

RT: 5.29 min Scan# 211

Delta R.T. -0.01 min

Lab File: BE100127.D

Acq: 21 Jun 2019 3:16

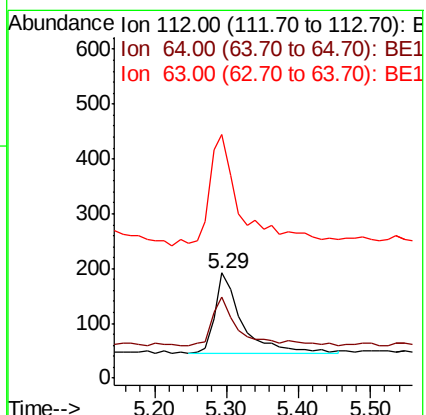
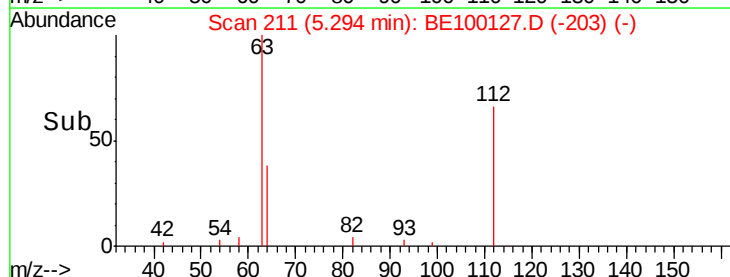
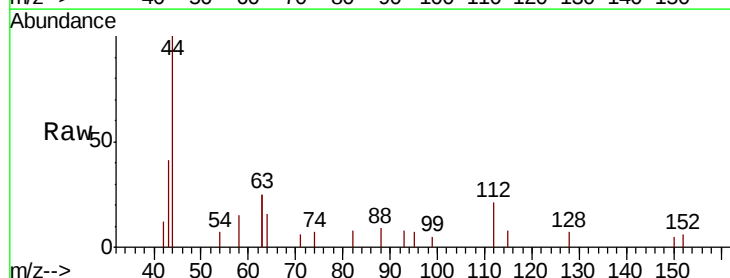
Tgt Ion: 112 Resp: 377

Ion Ratio Lower Upper

112 100

64 55.2 22.0 33.0#

63 170.0 121.8 182.6





#5

Phenol-d6

Concen: 0.155 ng

RT: 6.92 min Scan# 352

Delta R.T. -0.01 min

Lab File: BE100127.D

Acq: 21 Jun 2019 3:16

Instrument :

BNA_E

ClientSampleId :

C-MW-10_061119

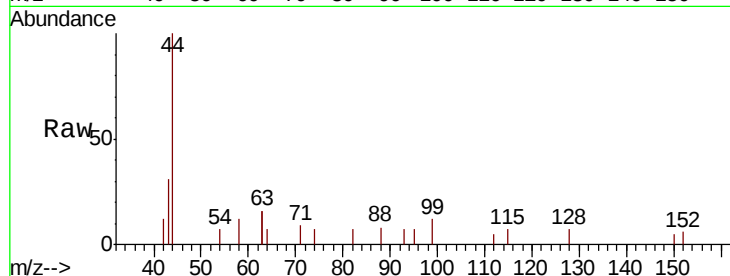
Tgt Ion: 99 Resp: 302

Ion Ratio Lower Upper

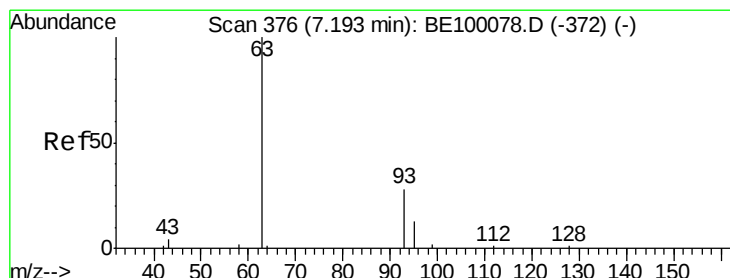
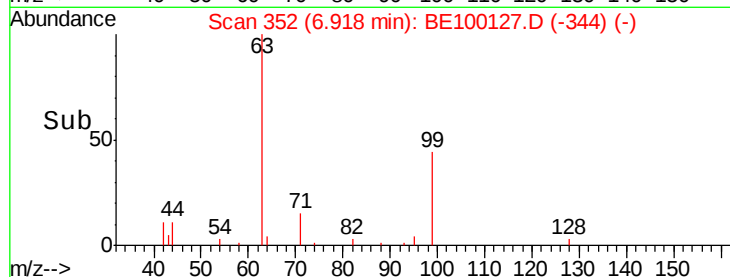
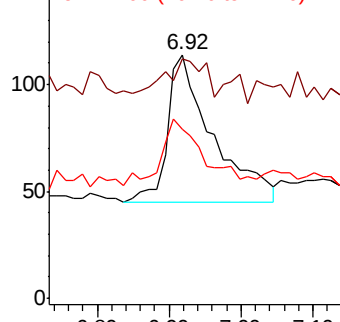
99 100

42 22.5 0.0 0.0#

71 41.4 37.6 56.4



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: 0.041 ng

RT: 7.16 min Scan# 373

Delta R.T. -0.03 min

Lab File: BE100127.D

Acq: 21 Jun 2019 3:16

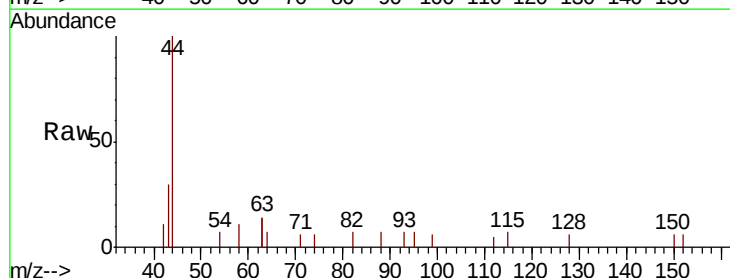
Tgt Ion: 93 Resp: 14

Ion Ratio Lower Upper

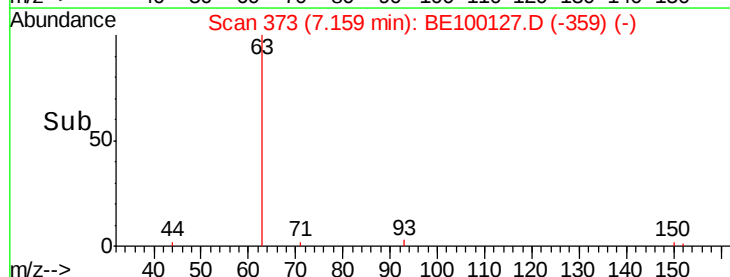
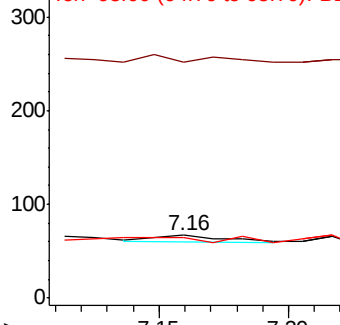
93 100

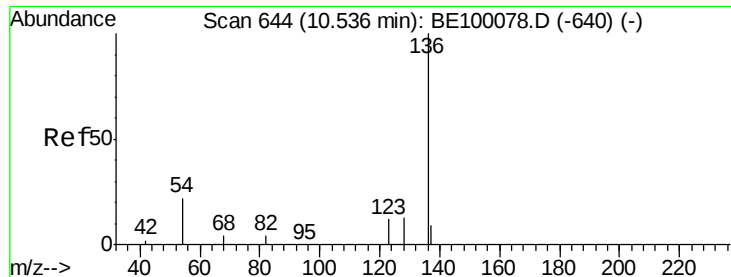
63 0.0 200.0 300.0#

95 0.0 24.0 36.0#



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: 10.54 min Scan# 644

Delta R.T. -0.00 min

Lab File: BE100127.D

Acq: 21 Jun 2019 3:16

Instrument :

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ClientSampleId :

C-MW-10_061119

Tgt Ion: 136 Resp: 2345

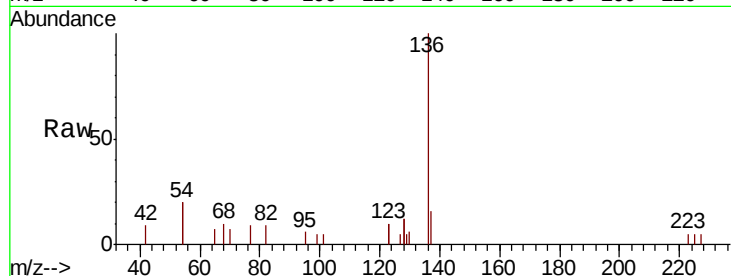
Ion Ratio Lower Upper

136 100

137 16.4 11.6 17.4

54 39.5 33.9 50.9

68 10.4 7.8 11.8

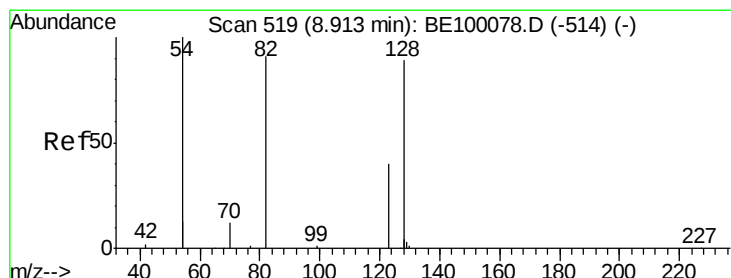
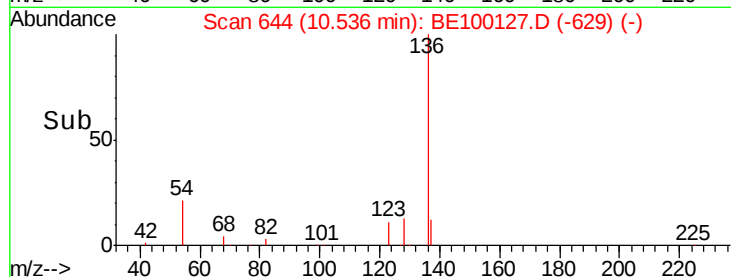
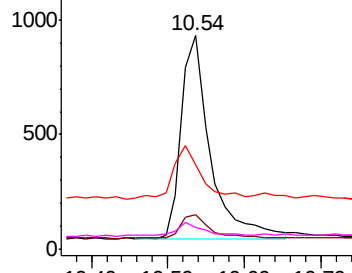


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.452 ng

RT: 8.91 min Scan# 519

Delta R.T. -0.00 min

Lab File: BE100127.D

Acq: 21 Jun 2019 3:16

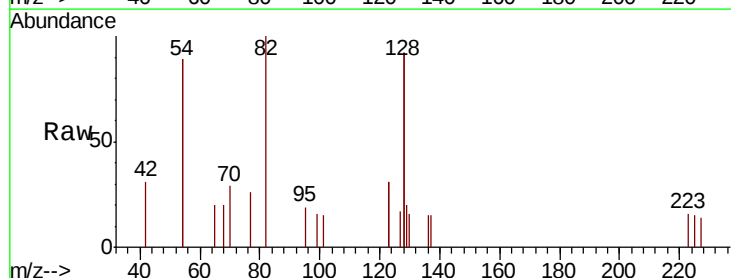
Tgt Ion: 82 Resp: 1027

Ion Ratio Lower Upper

82 100

128 184.6 128.0 192.0

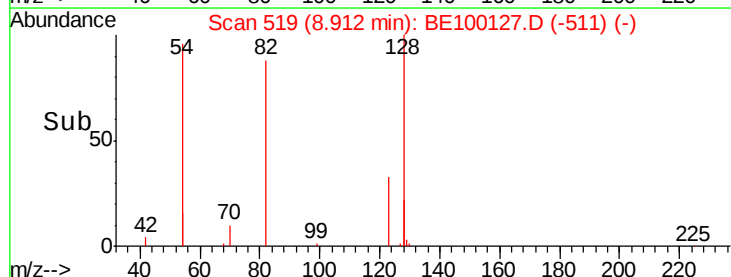
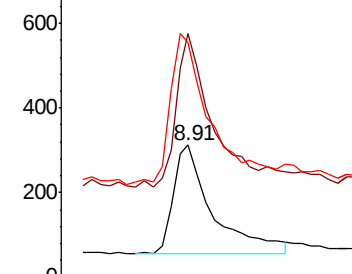
54 177.6 143.4 215.0

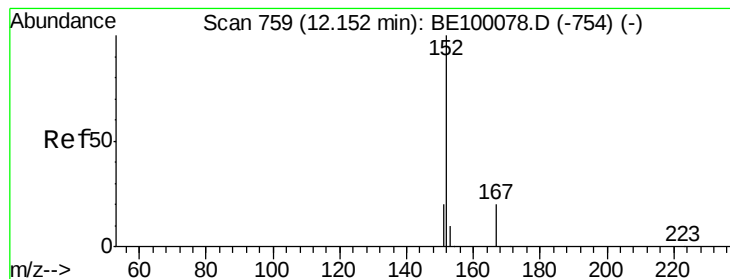


Abundance Ion 82.00 (81.70 to 82.70): BE1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE1





#11

2-Methylnaphthalene-d10

Concen: 0.041 ng

RT: 12.15 min Scan# 759

Delta R.T. -0.00 min

Lab File: BE100127.D

Acq: 21 Jun 2019 3:16

Instrument :

BNA_E

ClientSampleId :

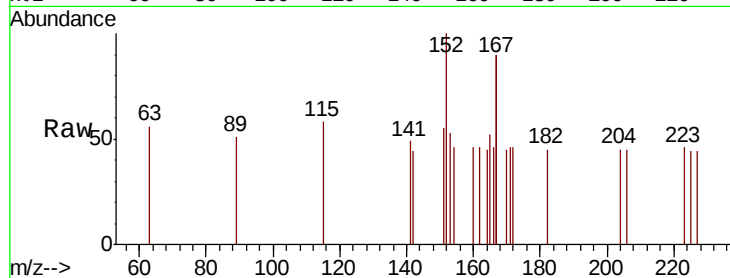
C-MW-10_061119

Tgt Ion:152 Resp: 182

Ion Ratio Lower Upper

152 100

151 17.0 16.3 24.5



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.15

100

80

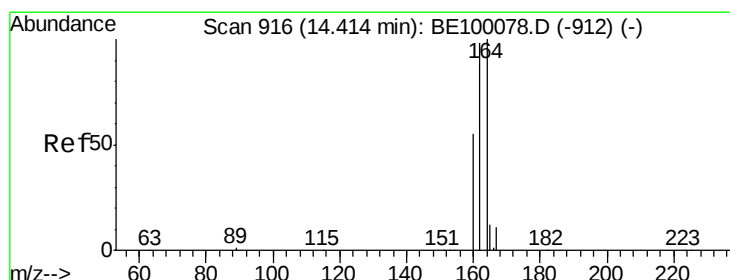
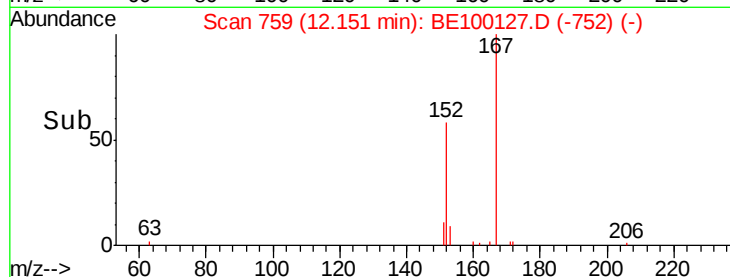
60

40

20

0

Time-->



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.41 min Scan# 916

Delta R.T. -0.00 min

Lab File: BE100127.D

Acq: 21 Jun 2019 3:16

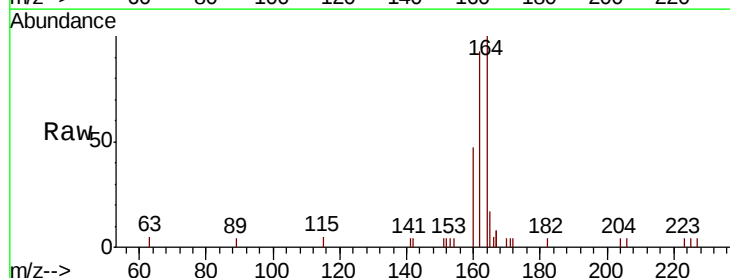
Tgt Ion:164 Resp: 2284

Ion Ratio Lower Upper

164 100

162 93.1 78.2 117.2

160 46.8 45.6 68.4



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

14.41

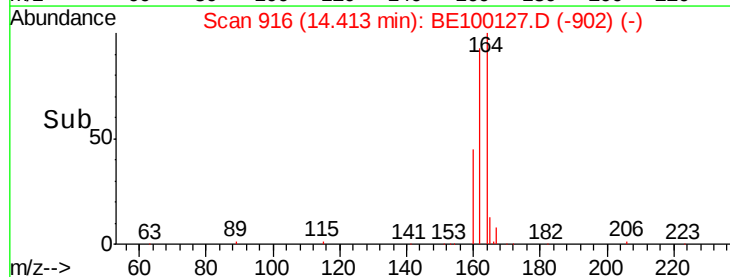
1500

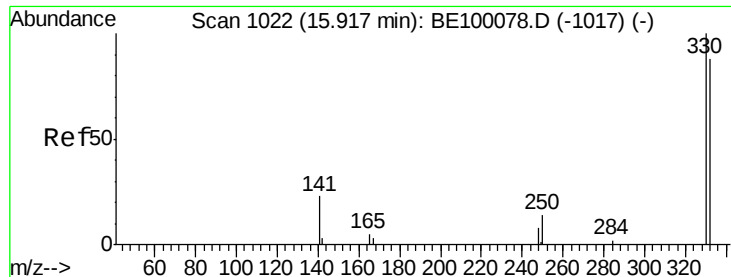
1000

500

0

Time-->

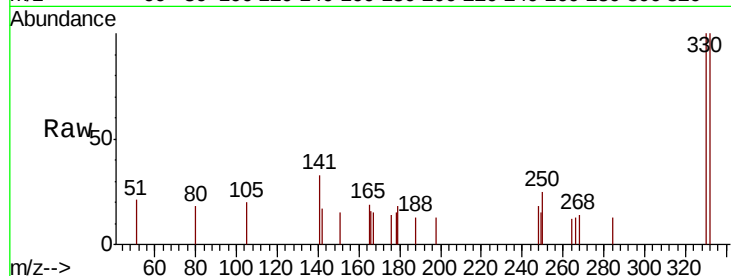




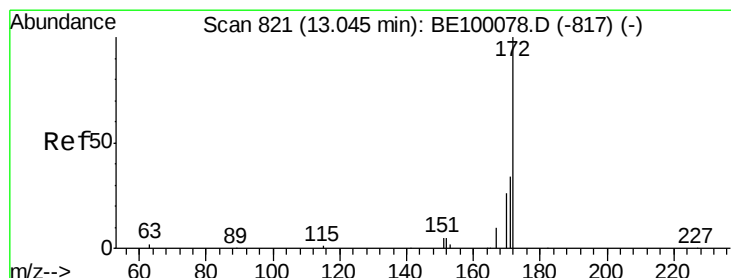
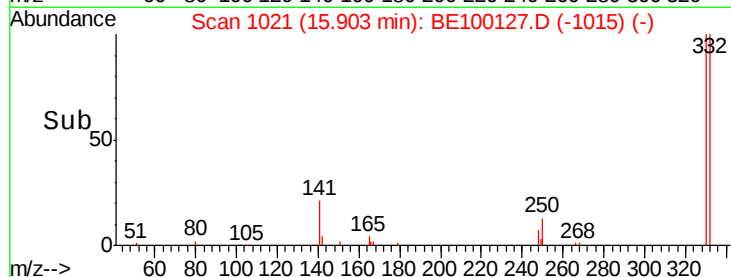
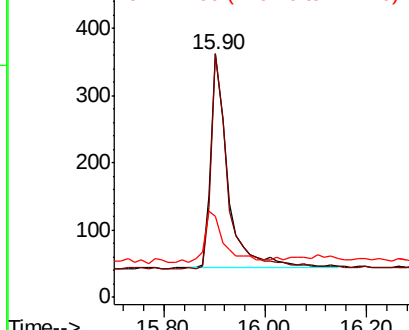
#14
2,4,6-Tribromophenol
Concen: 0.594 ng
RT: 15.90 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BE100127.D
Acq: 21 Jun 2019 3:16

Instrument :
BNA_E
ClientSampleId :
C-MW-10_061119

Tgt Ion: 330 Resp: 749
Ion Ratio Lower Upper
330 100
332 98.0 73.3 109.9
141 26.4 22.2 33.2

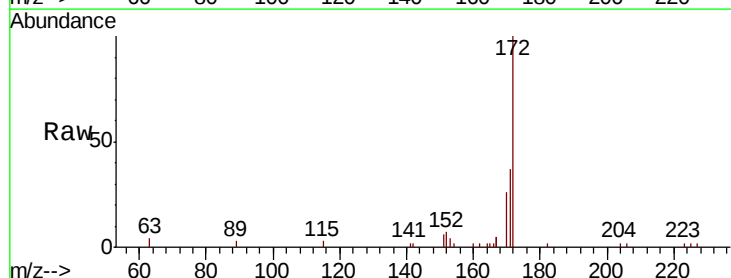


Abundance Ion 330.00 (329.70 to 330.70): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E

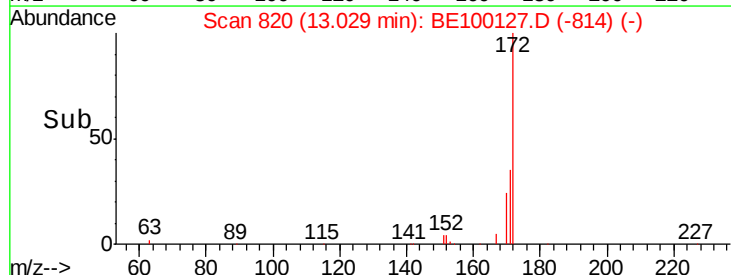
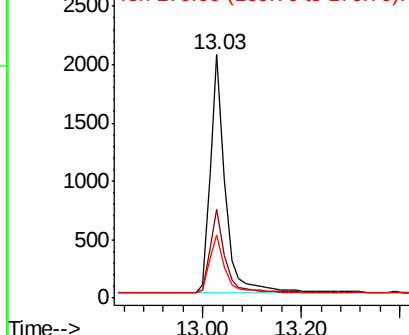


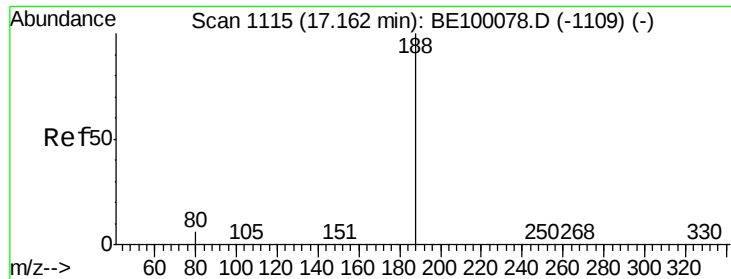
#15
2-Fluorobiphenyl
Concen: 0.477 ng
RT: 13.03 min Scan# 820
Delta R.T. -0.02 min
Lab File: BE100127.D
Acq: 21 Jun 2019 3:16

Tgt Ion: 172 Resp: 4288
Ion Ratio Lower Upper
172 100
171 36.6 29.8 44.8
170 25.9 23.2 34.8



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

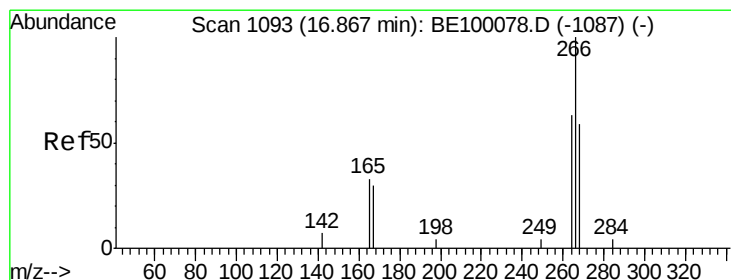
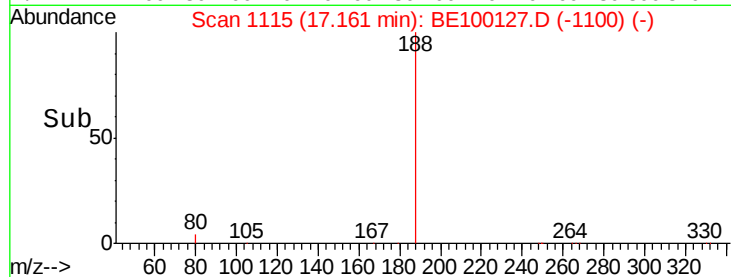
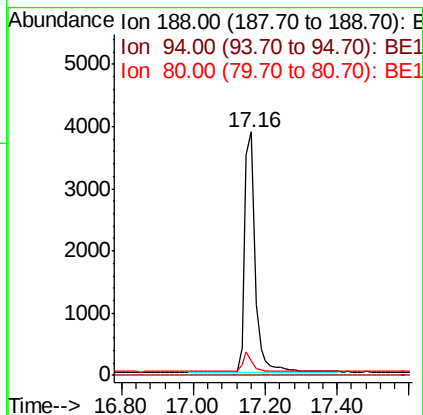
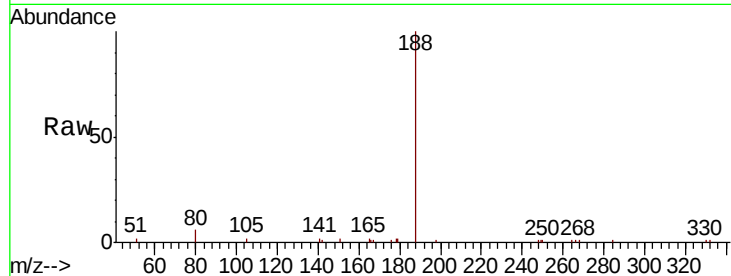




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.16 min Scan# 1115
Delta R.T. -0.00 min
Lab File: BE100127.D
Acq: 21 Jun 2019 3:16

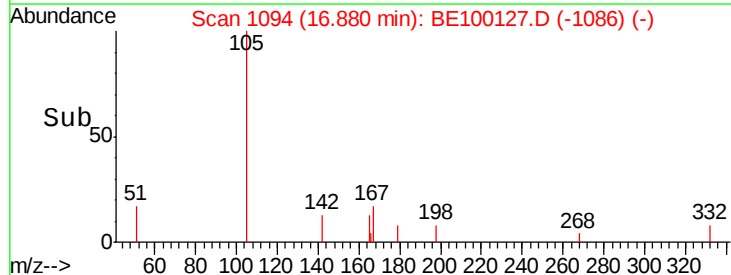
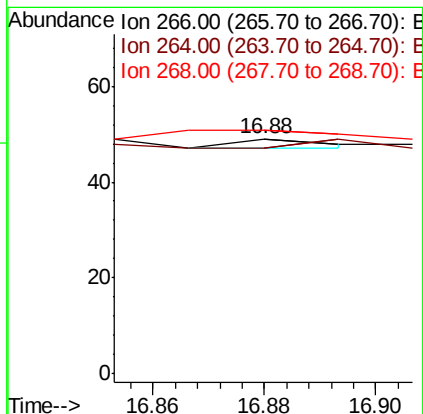
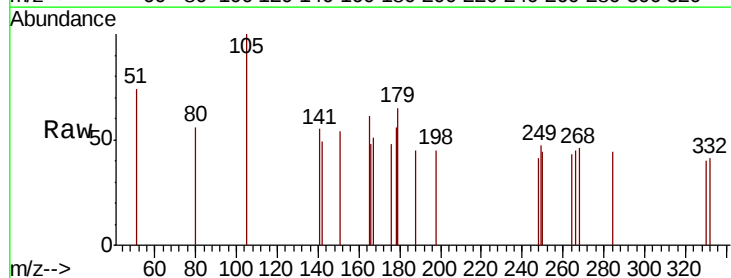
Instrument :
BNA_E
ClientSampleId :
C-MW-10_061119

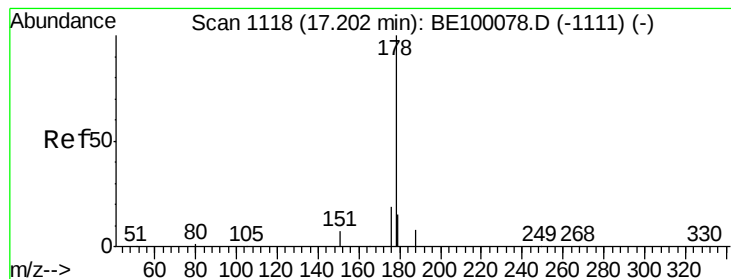
Tgt Ion:188 Resp: 8035
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 5.9 6.3 9.5#



#22
Pentachlorophenol
Concen: 0.243 ng
RT: 16.88 min Scan# 1094
Delta R.T. 0.01 min
Lab File: BE100127.D
Acq: 21 Jun 2019 3:16

Tgt Ion:266 Resp: 2
Ion Ratio Lower Upper
266 100
264 95.9 67.8 101.6
268 104.1 70.0 105.0





#23

Phenanthrene

Concen: 0.027 ng

RT: 17.20 min Scan# 1118

Delta R.T. -0.00 min

Lab File: BE100127.D

Acq: 21 Jun 2019 3:16

Instrument :

BNA_E

ClientSampleId :

C-MW-10_061119

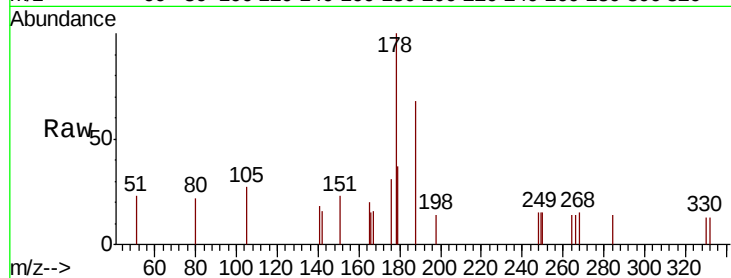
Tgt Ion:178 Resp: 517

Ion Ratio Lower Upper

178 100

176 18.8 15.9 23.9

179 28.8 13.1 19.7#



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

17.20

300

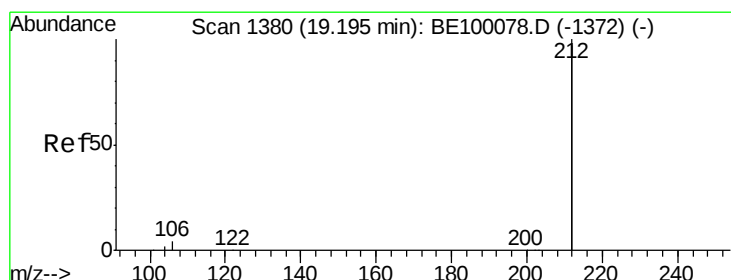
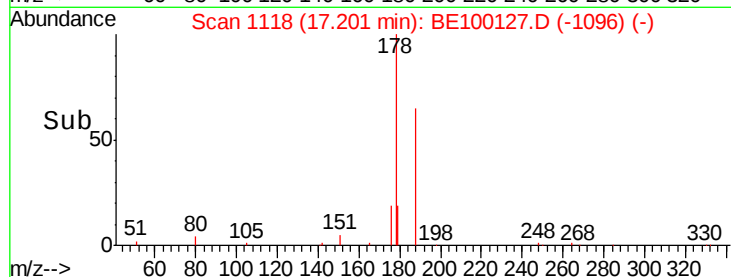
200

100

0

17.10 17.20 17.30

Time-->



#25

Fluoranthene-d10

Concen: 0.036 ng

RT: 19.20 min Scan# 1380

Delta R.T. 0.00 min

Lab File: BE100127.D

Acq: 21 Jun 2019 3:16

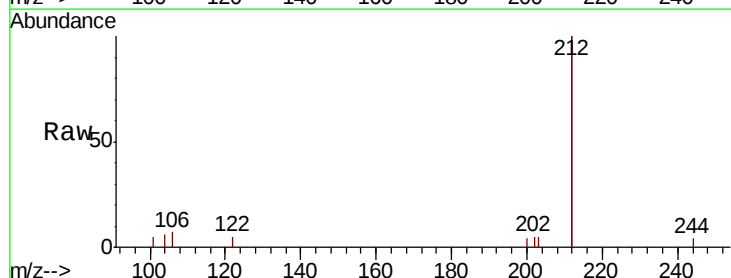
Tgt Ion:212 Resp: 4189

Ion Ratio Lower Upper

212 100

106 1.9 1.4 2.0

104 1.4 0.8 1.2#



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

19.20

3000

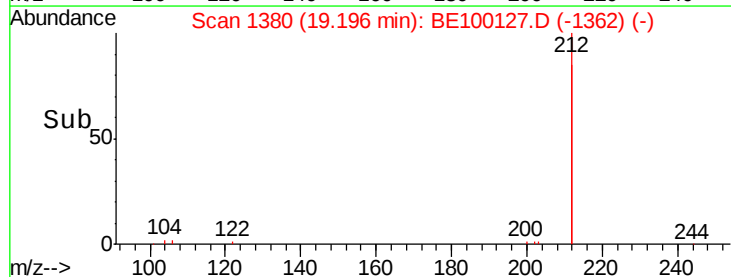
2000

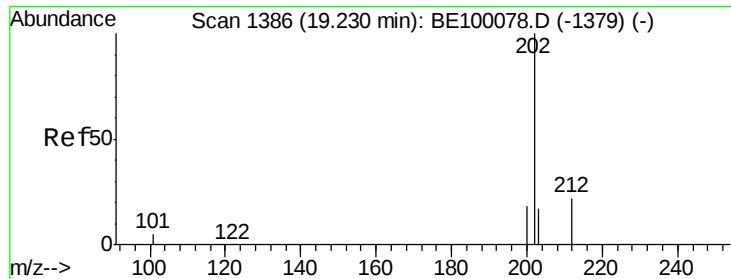
1000

0

19.10 19.20 19.30

Time-->





#26

Fluoranthene

Concen: 0.072 ng

RT: 19.22 min Scan# 1385

Delta R.T. -0.01 min

Lab File: BE100127.D

Acq: 21 Jun 2019 3:16

Instrument :

BNA_E

ClientSampleId :

C-MW-10_061119

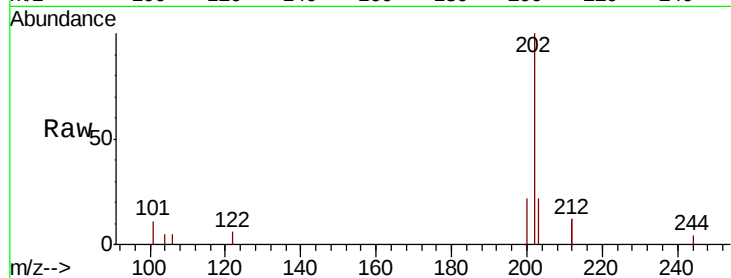
Tgt Ion: 202 Resp: 2212

Ion Ratio Lower Upper

202 100

101 7.5 5.0 7.4#

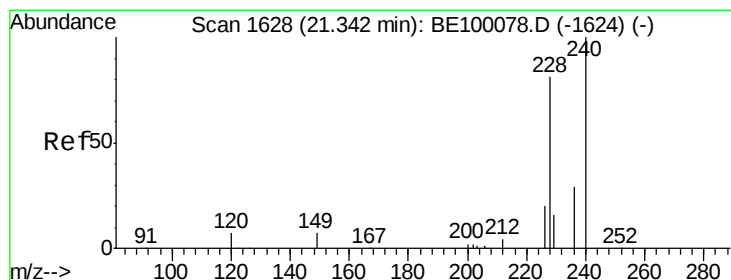
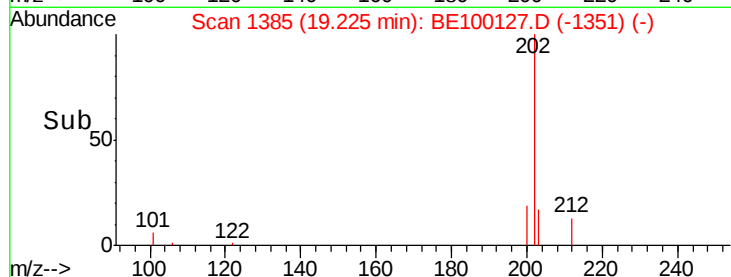
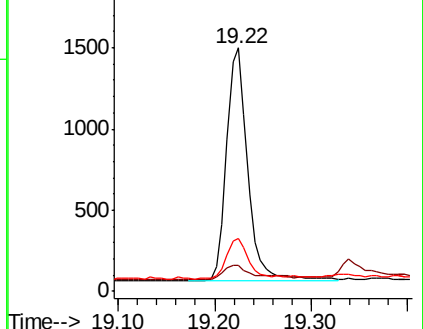
203 18.8 13.7 20.5



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: 21.34 min Scan# 1628

Delta R.T. 0.00 min

Lab File: BE100127.D

Acq: 21 Jun 2019 3:16

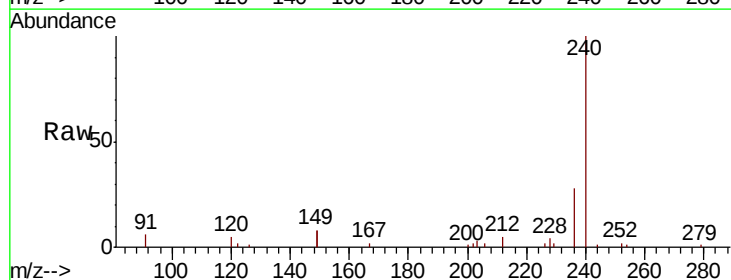
Tgt Ion: 240 Resp: 10535

Ion Ratio Lower Upper

240 100

120 4.8 6.6 10.0#

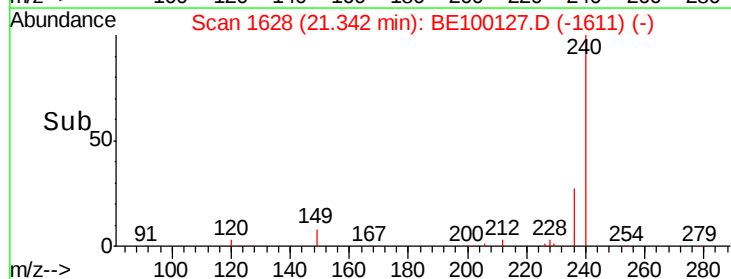
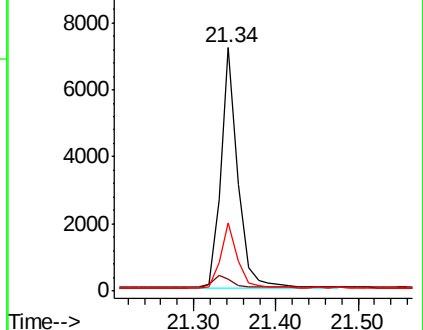
236 27.8 23.8 35.6

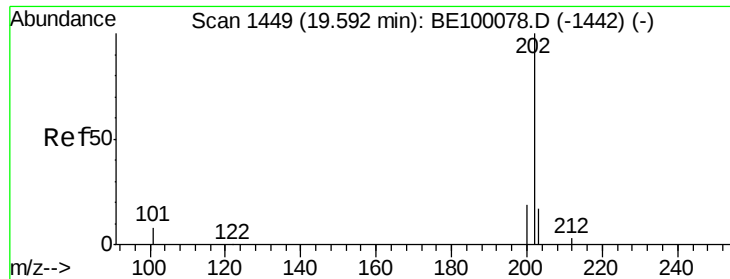


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

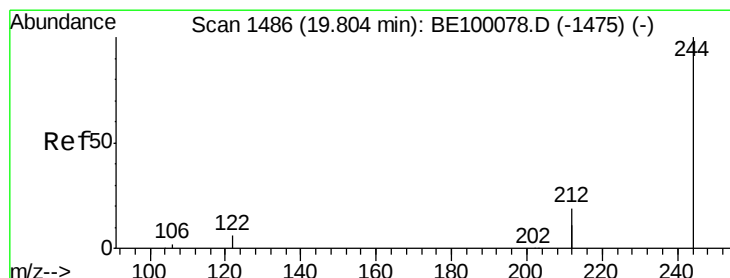
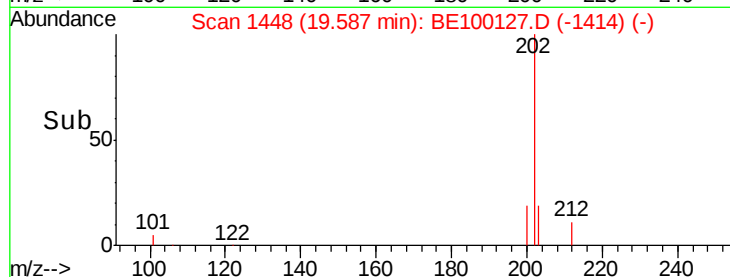
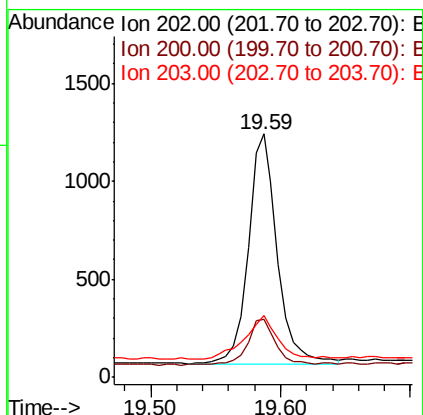
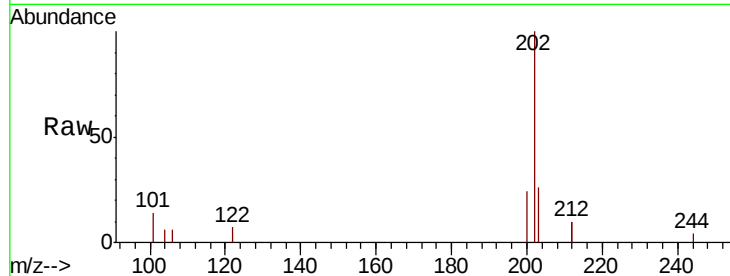




#28
 Pyrene
 Concen: 0.067 ng
 RT: 19.59 min Scan# 1448
 Delta R.T. -0.01 min
 Lab File: BE100127.D
 Acq: 21 Jun 2019 3:16

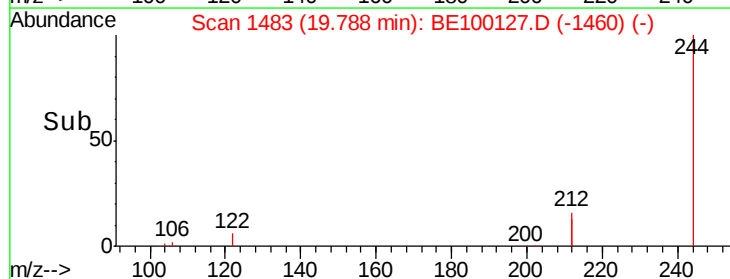
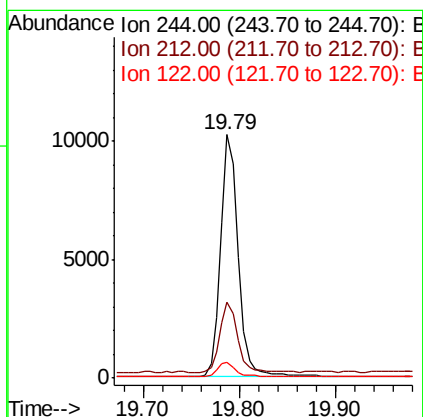
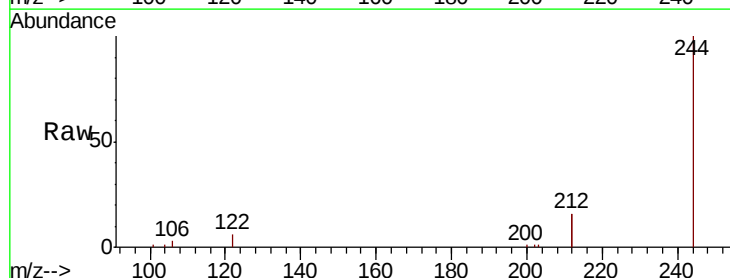
Instrument :
 BNA_E
 ClientSampleId :
 C-MW-10_061119

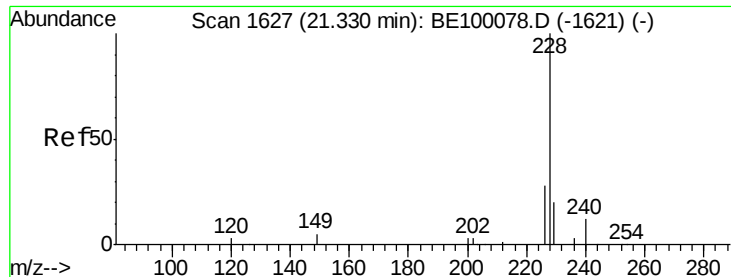
Tgt Ion: 202 Resp: 1811
 Ion Ratio Lower Upper
 202 100
 200 19.2 15.6 23.4
 203 21.4 13.9 20.9#



#29
 Terphenyl-d14
 Concen: 0.622 ng
 RT: 19.79 min Scan# 1483
 Delta R.T. -0.02 min
 Lab File: BE100127.D
 Acq: 21 Jun 2019 3:16

Tgt Ion: 244 Resp: 13108
 Ion Ratio Lower Upper
 244 100
 212 31.4 29.8 44.8
 122 6.3 6.1 9.1





#30

Benzo(a)anthracene

Concen: 0.026 ng

RT: 21.33 min Scan# 1627

Delta R.T. 0.00 min

Lab File: BE100127.D

Acq: 21 Jun 2019 3:16

Instrument :

BNA_E

ClientSampleId :

C-MW-10_061119

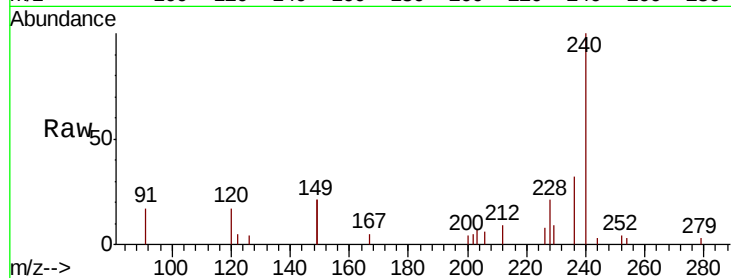
Tgt Ion:228 Resp: 828

Ion Ratio Lower Upper

228 100

226 39.5 23.0 34.4#

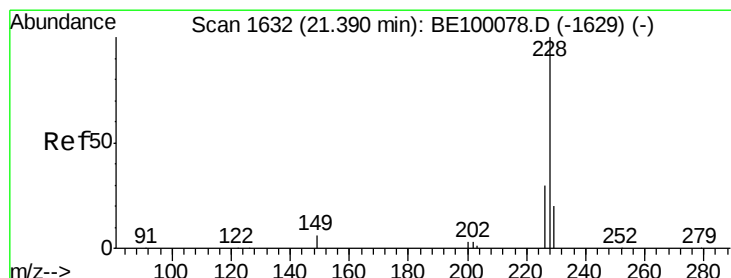
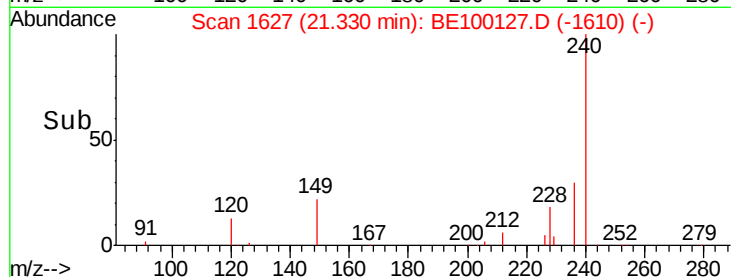
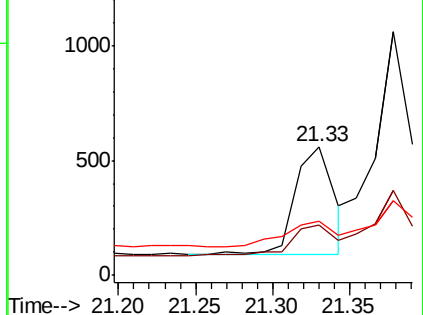
229 42.0 16.4 24.6#



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: 0.044 ng

RT: 21.38 min Scan# 1631

Delta R.T. -0.01 min

Lab File: BE100127.D

Acq: 21 Jun 2019 3:16

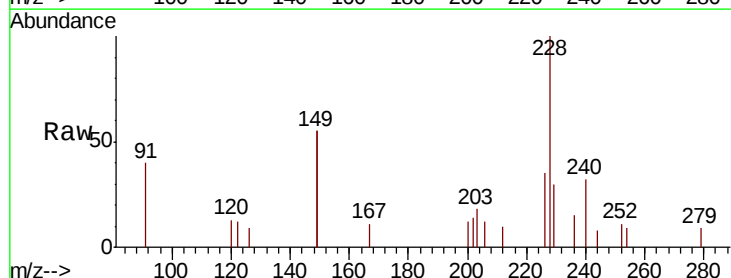
Tgt Ion:228 Resp: 1604

Ion Ratio Lower Upper

228 100

226 34.9 23.8 35.8

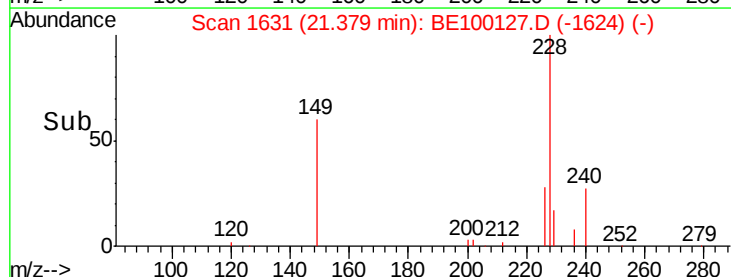
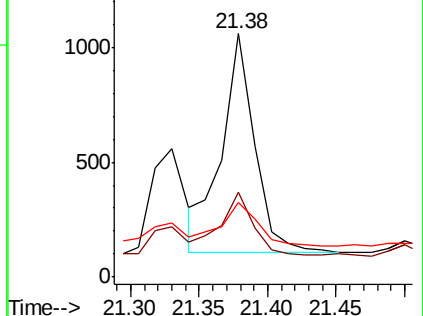
229 30.5 16.3 24.5#

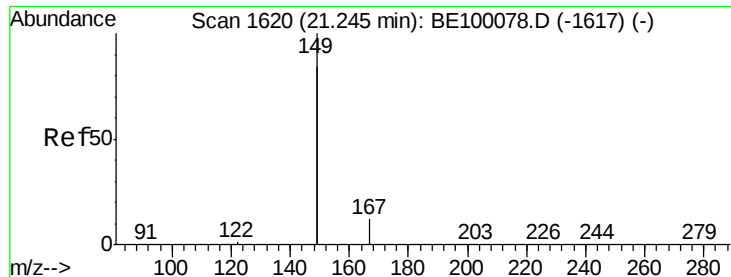


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

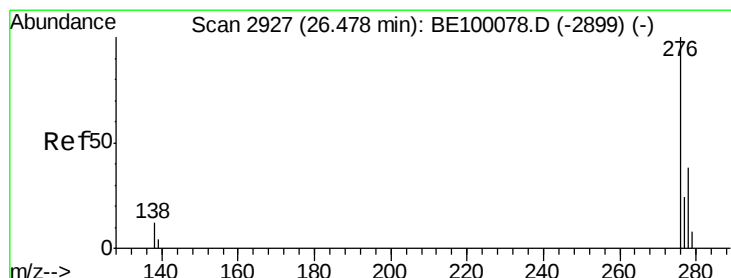
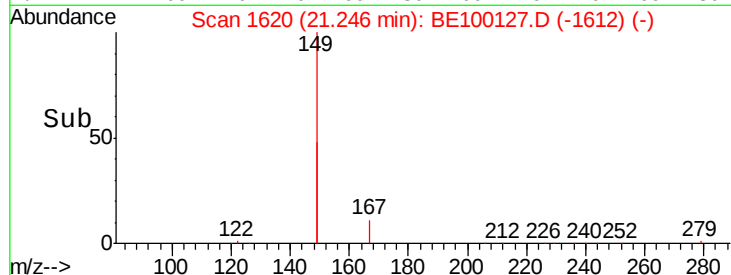
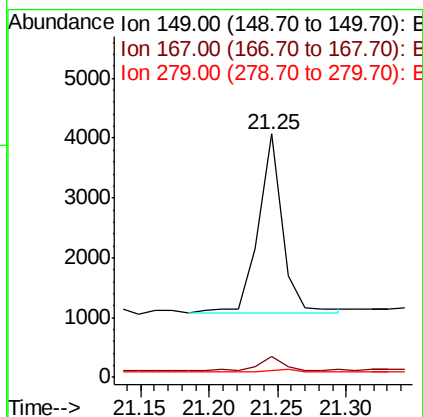
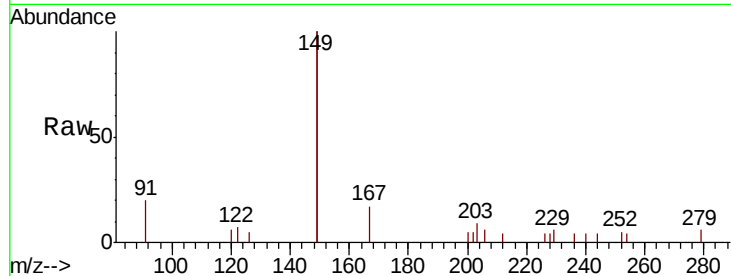




#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.126 ng
 RT: 21.25 min Scan# 1620
 Delta R.T. 0.00 min
 Lab File: BE100127.D
 Acq: 21 Jun 2019 3:16

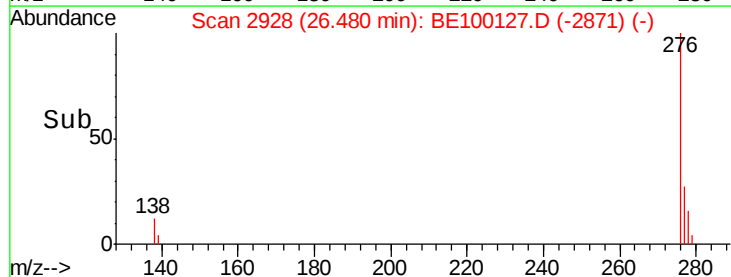
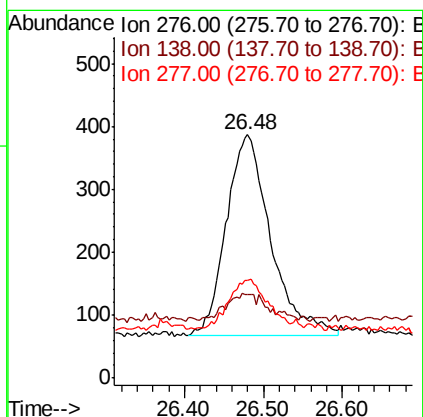
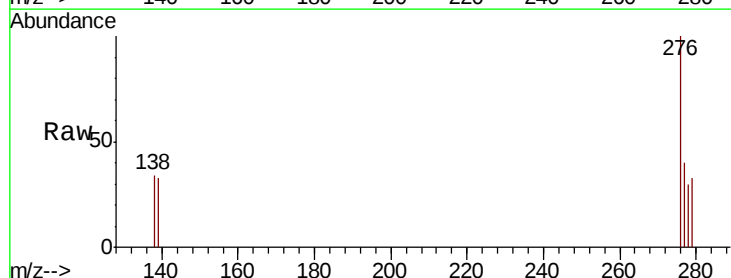
Instrument :
 BNA_E
 ClientSampleId :
 C-MW-10_061119

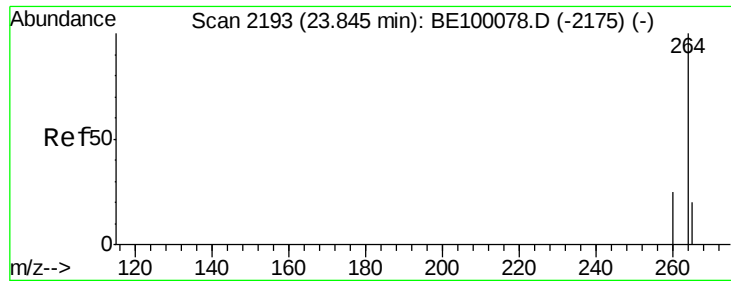
Tgt Ion: 149 Resp: 3712
 Ion Ratio Lower Upper
 149 100
 167 7.5 5.8 8.6
 279 1.8 1.1 1.7#



#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.030 ng
 RT: 26.48 min Scan# 2928
 Delta R.T. 0.00 min
 Lab File: BE100127.D
 Acq: 21 Jun 2019 3:16

Tgt Ion: 276 Resp: 1242
 Ion Ratio Lower Upper
 276 100
 138 8.3 4.3 6.5#
 277 20.7 19.4 29.0

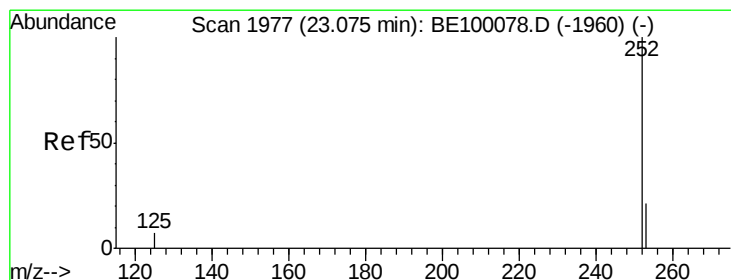
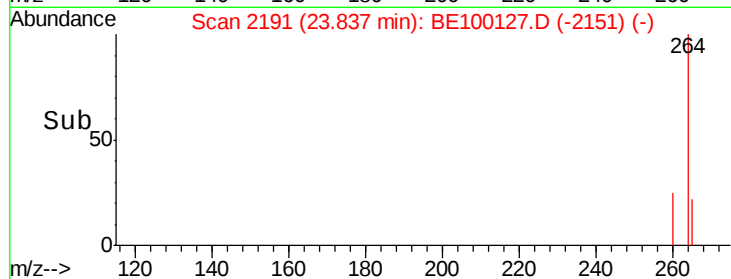
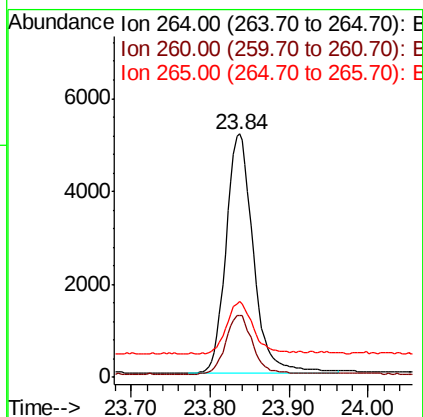
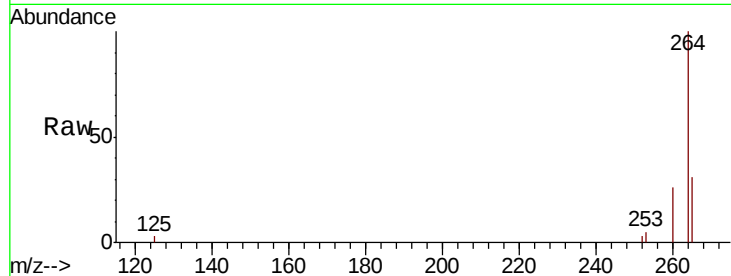




#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.84 min Scan# 2191
 Delta R.T. -0.01 min
 Lab File: BE100127.D
 Acq: 21 Jun 2019 3:16

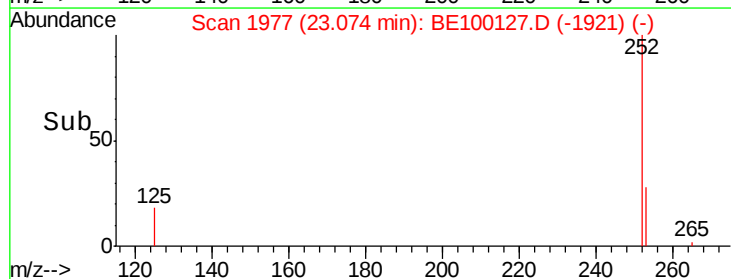
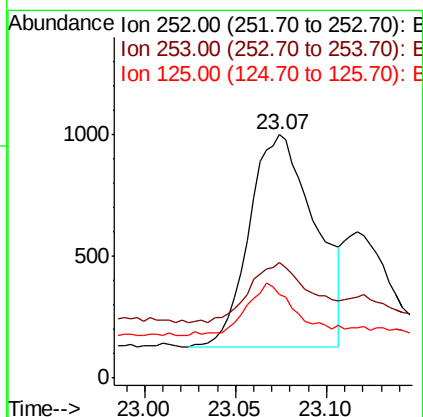
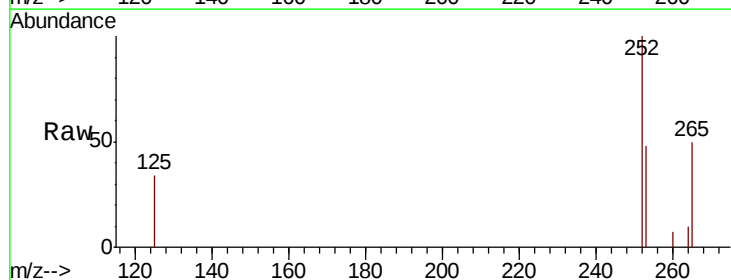
Instrument :
 BNA_E
 ClientSampleId :
 C-MW-10_061119

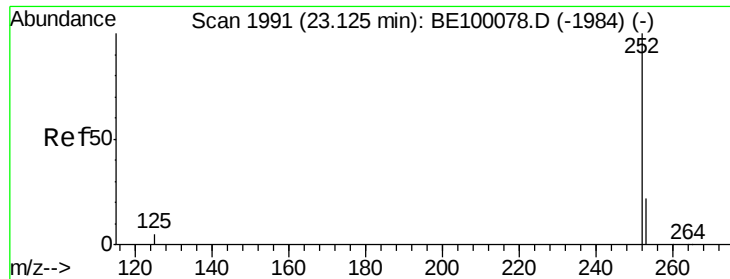
Tgt Ion: 264 Resp: 12399
 Ion Ratio Lower Upper
 264 100
 260 25.6 20.8 31.2
 265 31.3 23.2 34.8



#35
 Benzo(b)fluoranthene
 Concen: 0.060 ng
 RT: 23.07 min Scan# 1977
 Delta R.T. -0.00 min
 Lab File: BE100127.D
 Acq: 21 Jun 2019 3:16

Tgt Ion: 252 Resp: 2180
 Ion Ratio Lower Upper
 252 100
 253 47.6 18.4 27.6#
 125 34.2 6.4 9.6#





#36

Benzo(k)fluoranthene

Concen: 0.053 ng

RT: 23.07 min Scan# 1977

Delta R.T. -0.05 min

Lab File: BE100127.D

Acq: 21 Jun 2019 3:16

Instrument :

BNA_E

ClientSampleId :

C-MW-10_061119

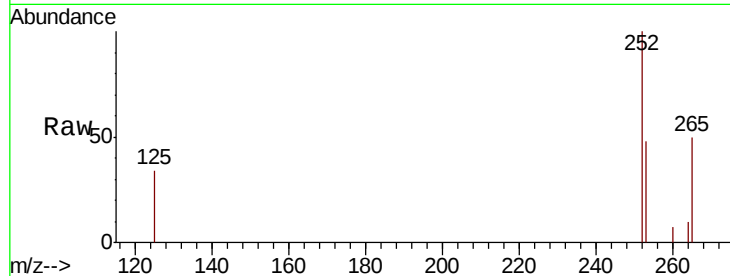
Tgt Ion: 252 Resp: 2180

Ion Ratio Lower Upper

252 100

253 47.6 18.9 28.3#

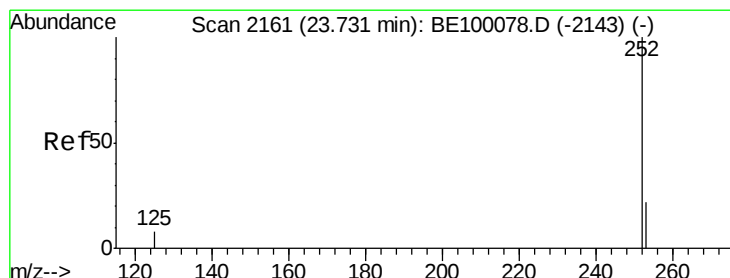
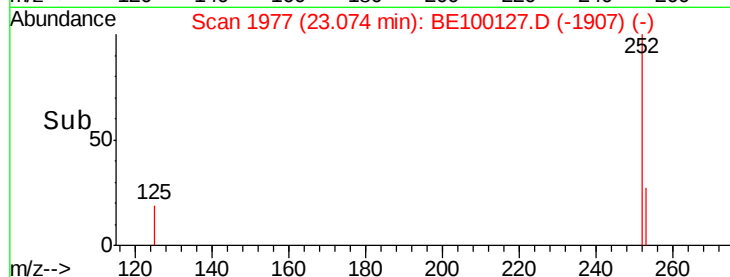
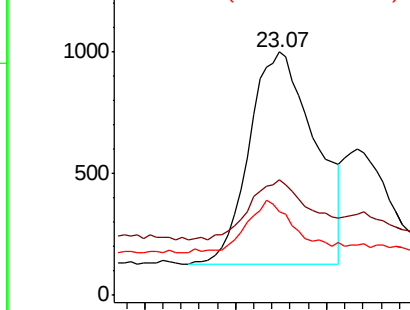
125 34.2 5.3 7.9#



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: 0.033 ng

RT: 23.72 min Scan# 2159

Delta R.T. -0.01 min

Lab File: BE100127.D

Acq: 21 Jun 2019 3:16

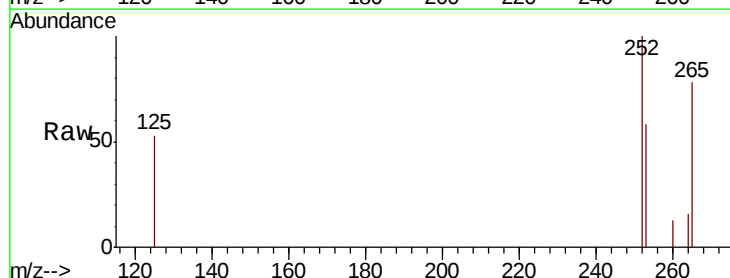
Tgt Ion: 252 Resp: 1142

Ion Ratio Lower Upper

252 100

253 57.9 19.4 29.2#

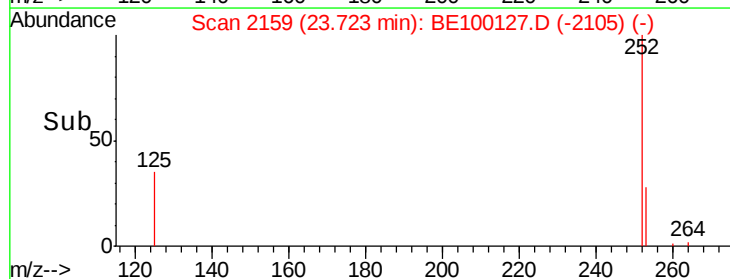
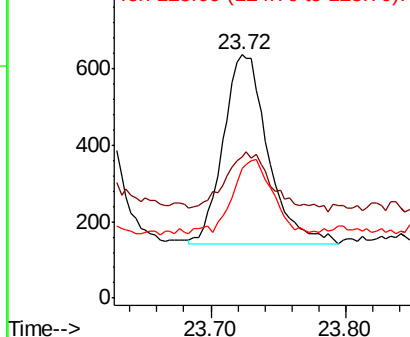
125 53.2 8.0 12.0#

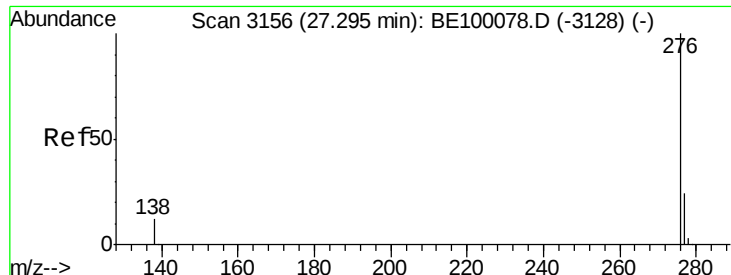


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#39

Benzo(g,h,i)perylene

Concen: 0.036 ng

RT: 27.29 min Scan# 3156

Delta R.T. -0.00 min

Lab File: BE100127.D

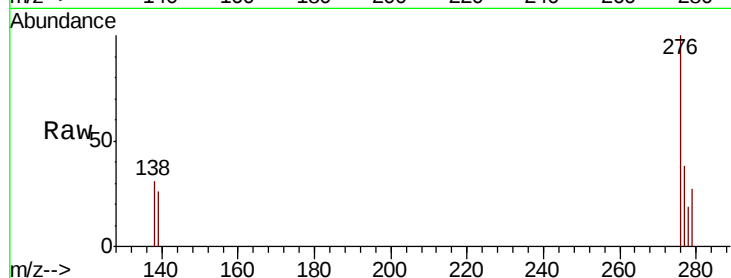
Acq: 21 Jun 2019 3:16

Instrument :

BNA_E

ClientSampleId :

C-MW-10_061119



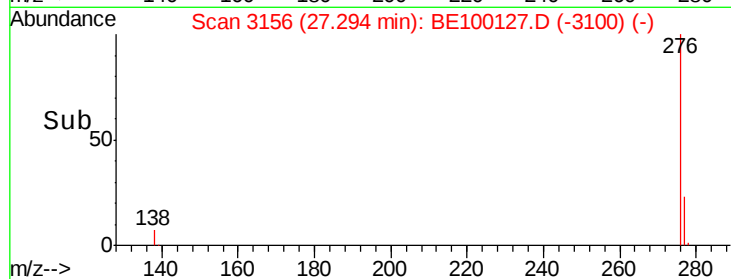
Tgt Ion: 276 Resp: 1331

Ion Ratio Lower Upper

276 100

277 37.7 20.3 30.5#

138 30.5 11.3 16.9#



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

