

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE062019\
 Data File : BE100115.D
 Acq On : 20 Jun 2019 20:03
 Operator : JU/SJ
 Sample : K3345-04
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C-MW-11_061119

Quant Time: Jun 21 01:46:01 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	596	0.40	ng	-0.01
7) Naphthalene-d8	10.54	136	2070	0.40	ng	0.00
13) Acenaphthene-d10	14.40	164	1878	0.40	ng	-0.01
19) Phenanthrene-d10	17.15	188	6493	0.40	ng	-0.01
27) Chrysene-d12	21.34	240	10418	0.40	ng	0.00
34) Perylene-d12	23.83	264	12058	0.40	ng	-0.01

System Monitoring Compounds						
4) 2-Fluorophenol	5.29	112	215	0.17	ng	-0.01
5) Phenol-d6	6.90	99	185	0.11	ng	-0.02
8) Nitrobenzene-d5	8.90	82	765	0.38	ng	-0.01
11) 2-Methylnaphthalene-d10	12.14	152	315	0.08	ng	-0.01
14) 2,4,6-Tribromophenol	15.90	330	513	0.49	ng	-0.01
15) 2-Fluorobiphenyl	13.03	172	3311	0.45	ng	-0.01
25) Fluoranthene-d10	19.19	212	8777	0.09	ng	0.00
29) Terphenyl-d14	19.79	244	10291	0.49	ng	-0.02

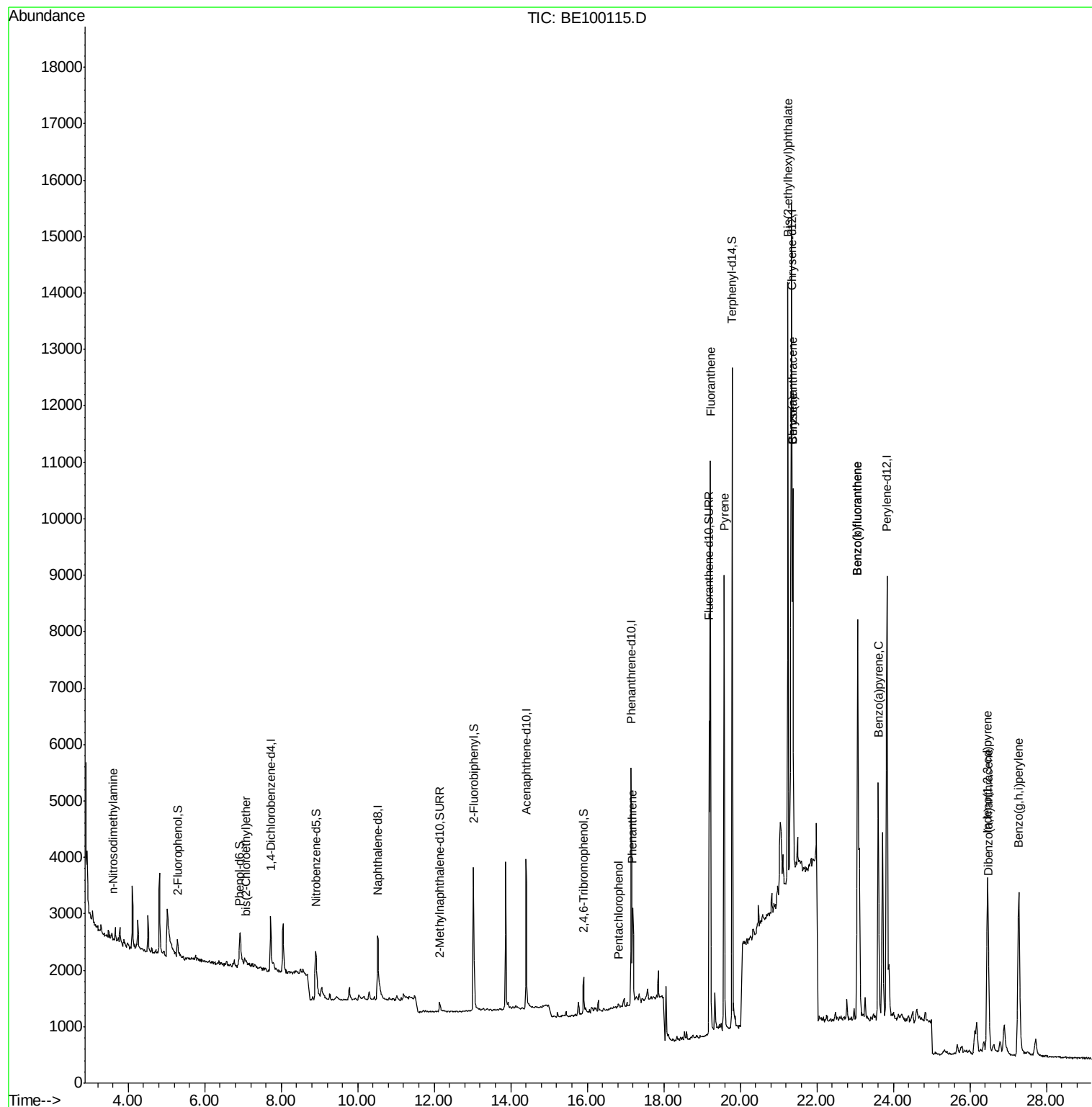
Target Compounds				Qvalue		
3) n-Nitrosodimethylamine	3.61	42	12	0.360	ng	# 100
6) bis(2-Chloroethyl)ether	7.09	93	163	0.127	ng	# 1
22) Pentachlorophenol	16.81	266	28	0.262	ng	93
23) Phenanthrene	17.19	178	1885	0.121	ng	97
26) Fluoranthene	19.22	202	9172	0.367	ng	98
28) Pyrene	19.58	202	7625	0.285	ng	# 96
30) Benzo(a)anthracene	21.38	228	7560	0.244	ng	95
31) Chrysene	21.38	228	7491	0.208	ng	96
32) Bis(2-ethylhexyl)phthalate	21.24	149	11160	0.382	ng	100
33) Indeno(1,2,3-cd)pyrene	26.47	276	6709	0.166	ng	# 96
35) Benzo(b)fluoranthene	23.06	252	12842	0.363	ng	# 92
36) Benzo(k)fluoranthene	23.06	252	12842	0.319	ng	# 92
37) Benzo(a)pyrene	23.61	252	6755	0.198	ng	94
38) Dibenzo(a,h)anthracene	26.49	278	1215	0.035	ng	# 56
39) Benzo(g,h,i)perylene	27.28	276	7531	0.207	ng	98

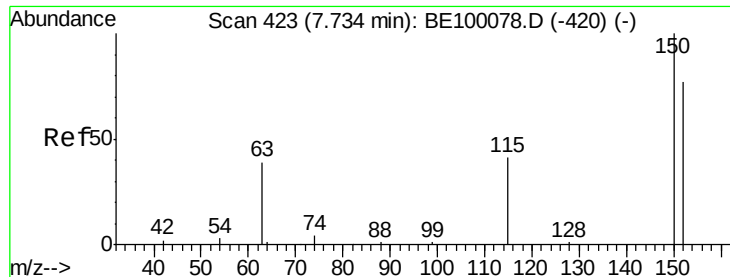
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.72 min Scan# 422

Delta R.T. -0.01 min

Lab File: BE100115.D

Acq: 20 Jun 2019 20:03

Instrument :

BNA_E

ClientSampleId :

C-MW-11_061119

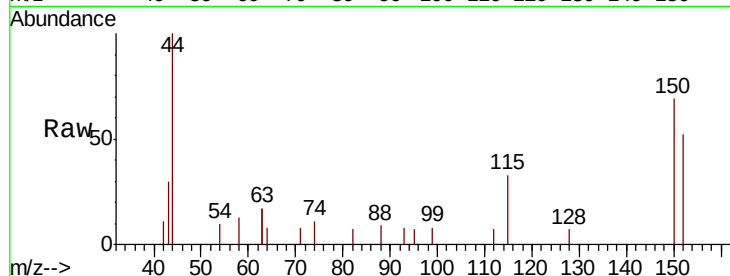
Tgt Ion:152 Resp: 596

Ion Ratio Lower Upper

152 100

150 131.3 99.8 149.8

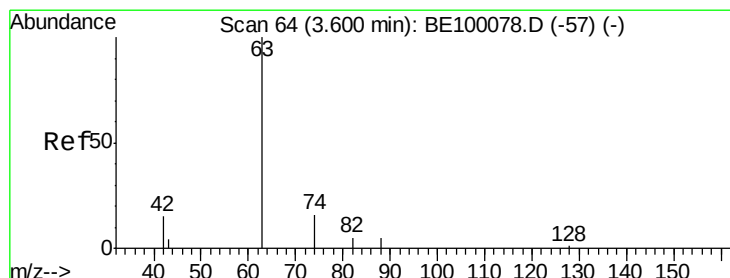
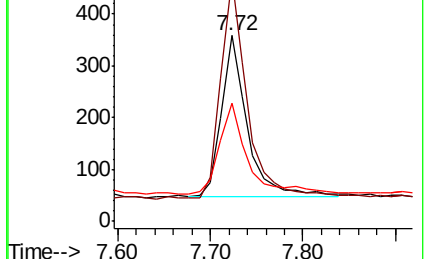
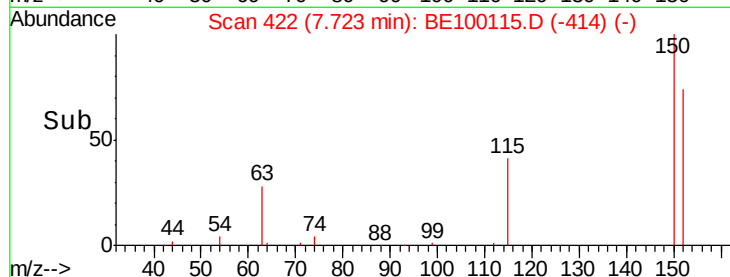
115 63.7 51.3 76.9



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



#3

n-Nitrosodimethylamine

Concen: 0.360 ng

RT: 3.61 min Scan# 65

Delta R.T. 0.01 min

Lab File: BE100115.D

Acq: 20 Jun 2019 20:03

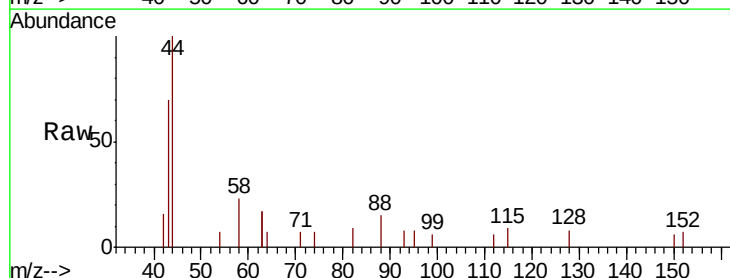
Tgt Ion: 42 Resp: 12

Ion Ratio Lower Upper

42 100

74 0.0 0.0 0.0

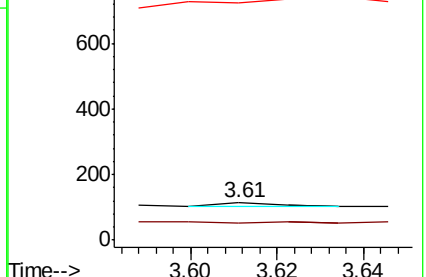
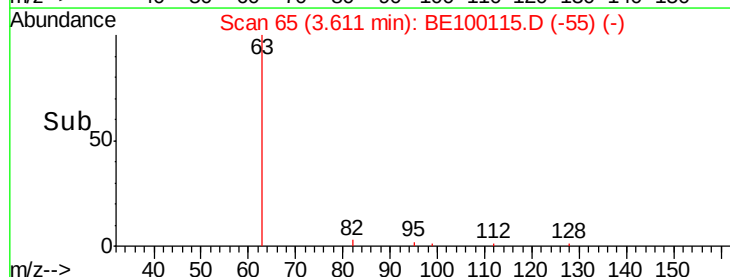
44 0.0 0.0 0.0

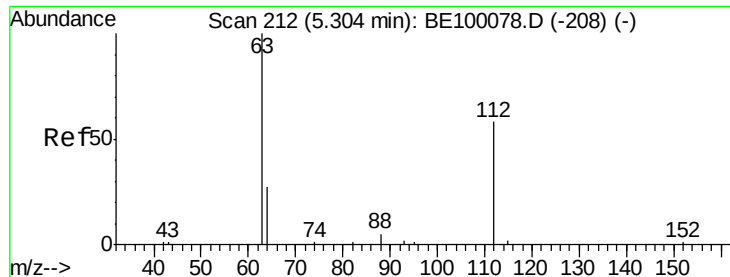


Abundance Ion 42.00 (41.70 to 42.70): BE1

Ion 74.00 (73.70 to 74.70): BE1

Ion 44.00 (43.70 to 44.70): BE1





#4

2-Fluorophenol

Concen: 0.174 ng

RT: 5.29 min Scan# 211

Delta R.T. -0.01 min

Lab File: BE100115.D

Acq: 20 Jun 2019 20:03

Instrument :

BNA_E

ClientSampleId :

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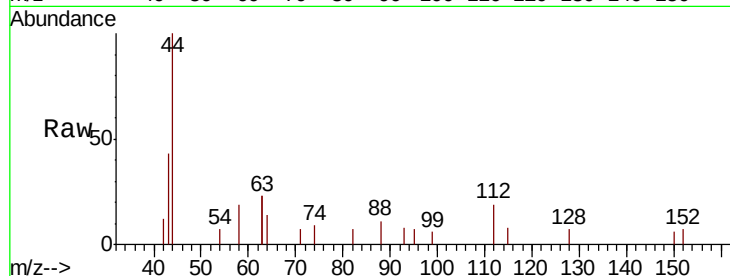
Tgt Ion: 112 Resp: 215

Ion Ratio Lower Upper

112 100

64 55.3 22.0 33.0#

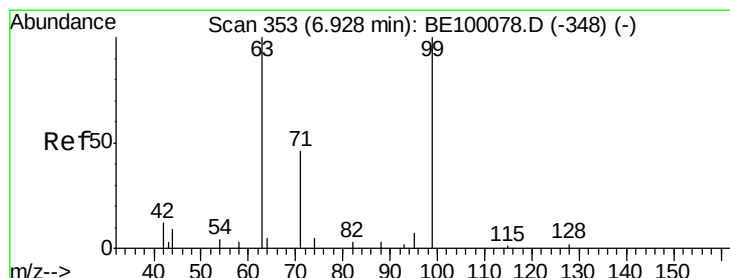
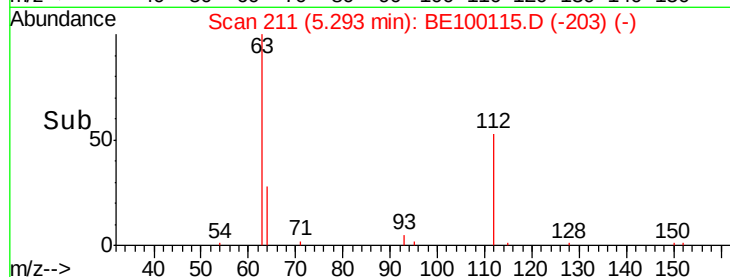
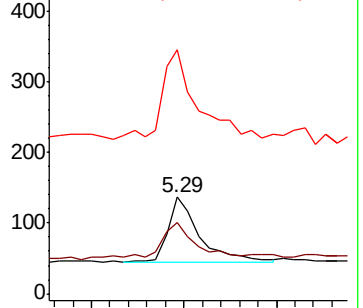
63 158.6 121.8 182.6



Abundance Ion 112.00 (111.70 to 112.70): BE1

Ion 64.00 (63.70 to 64.70): BE1

Ion 63.00 (62.70 to 63.70): BE1



#5

Phenol-d6

Concen: 0.109 ng

RT: 6.90 min Scan# 351

Delta R.T. -0.02 min

Lab File: BE100115.D

Acq: 20 Jun 2019 20:03

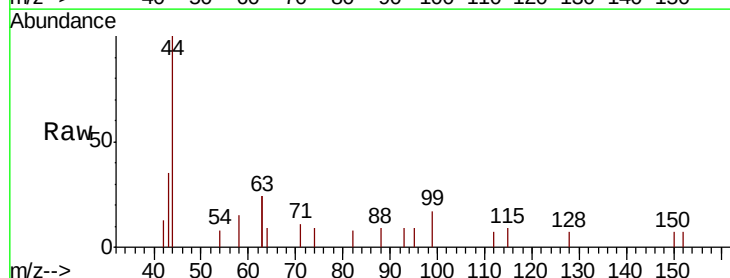
Tgt Ion: 99 Resp: 185

Ion Ratio Lower Upper

99 100

42 25.9 0.0 0.0#

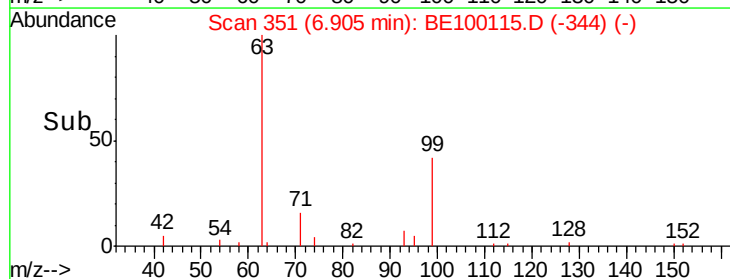
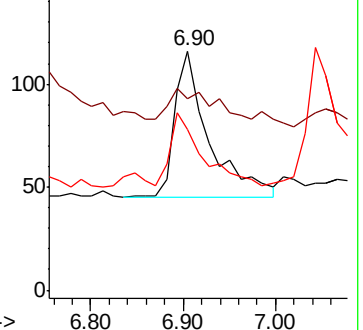
71 44.3 37.6 56.4

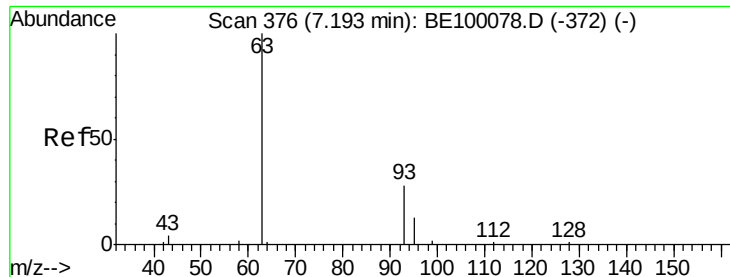


Abundance Ion 99.00 (98.70 to 99.70): BE1

Ion 42.00 (41.70 to 42.70): BE1

Ion 71.00 (70.70 to 71.70): BE1





#6

bis(2-Chloroethyl)ether

Concen: 0.127 ng

RT: 7.09 min Scan# 367

Delta R.T. -0.10 min

Lab File: BE100115.D

Acq: 20 Jun 2019 20:03

Instrument :

BNA_E

ClientSampleId :

C-MW-11_061119

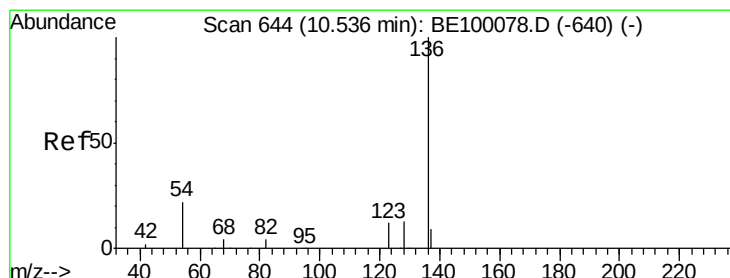
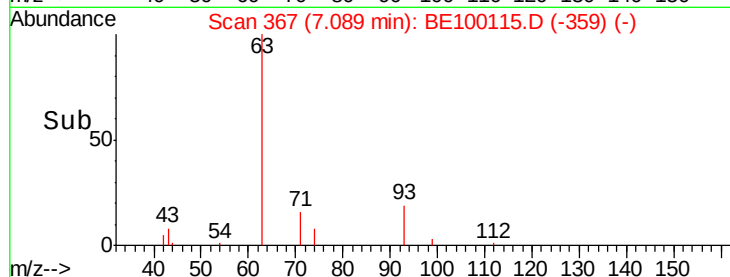
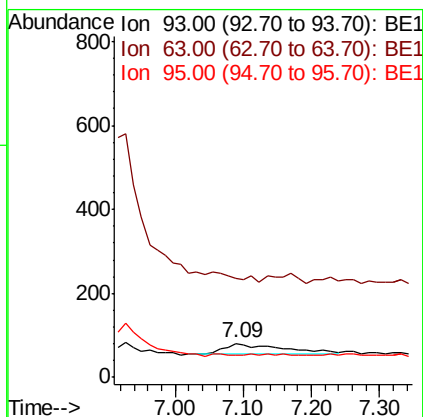
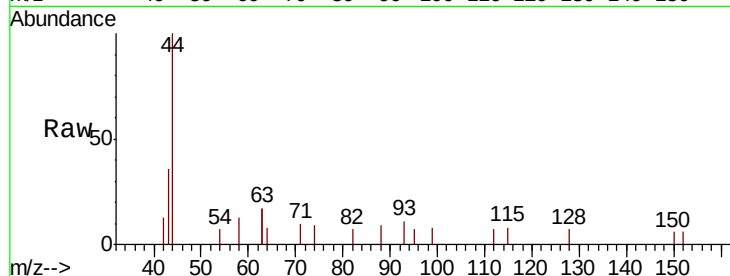
Tgt Ion: 93 Resp: 163

Ion Ratio Lower Upper

93 100

63 0.0 200.0 300.0#

95 0.0 24.0 36.0#



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.54 min Scan# 644

Delta R.T. 0.00 min

Lab File: BE100115.D

Acq: 20 Jun 2019 20:03

Tgt Ion: 136 Resp: 2070

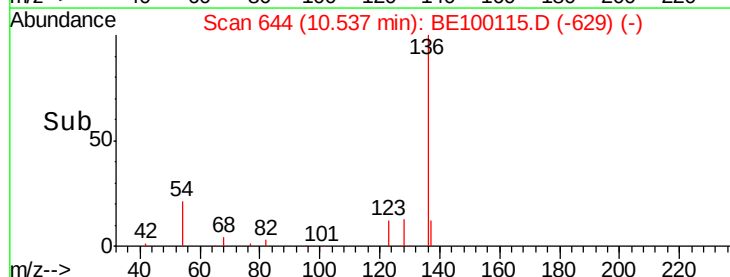
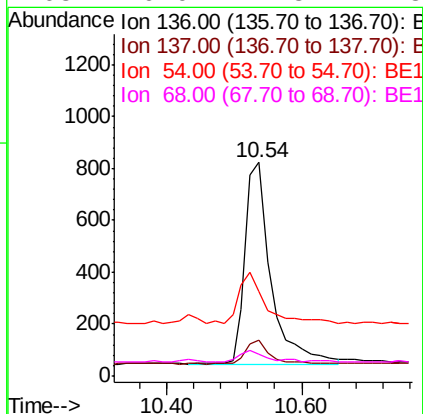
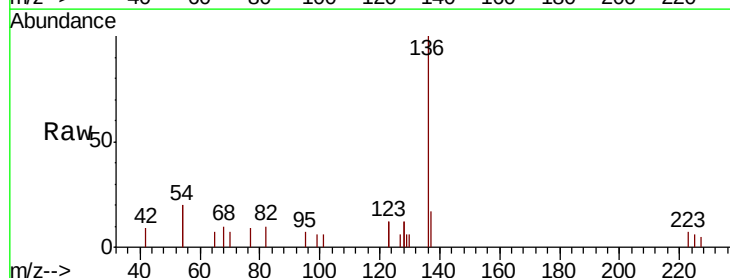
Ion Ratio Lower Upper

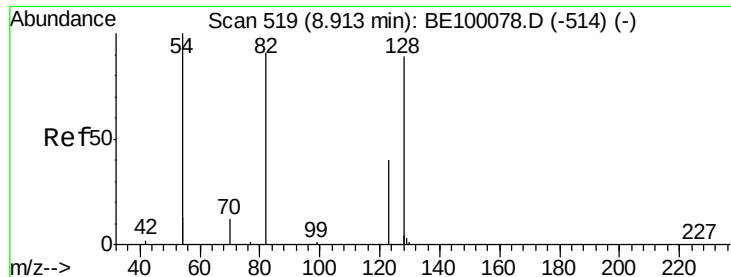
136 100

137 16.6 11.6 17.4

54 39.3 33.9 50.9

68 10.0 7.8 11.8





#8

Nitrobenzene-d5

Concen: 0.381 ng

RT: 8.90 min Scan# 518

Delta R.T. -0.01 min

Lab File: BE100115.D

Acq: 20 Jun 2019 20:03

Instrument :

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ClientSampleId :

C-MW-11_061119

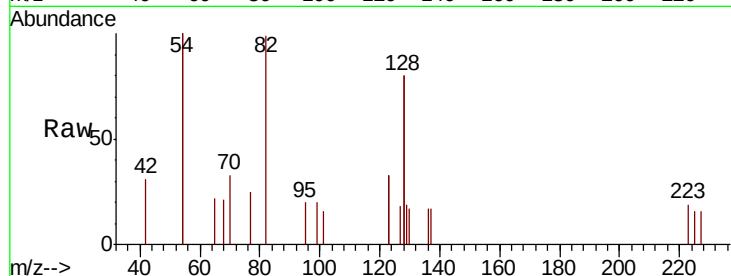
Tgt Ion: 82 Resp: 765

Ion Ratio Lower Upper

82 100

128 161.6 128.0 192.0

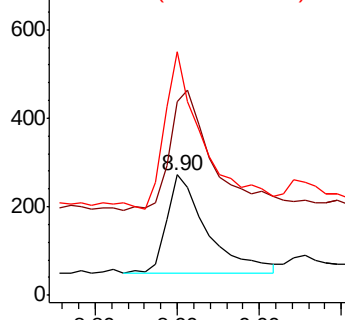
54 203.0 143.4 215.0



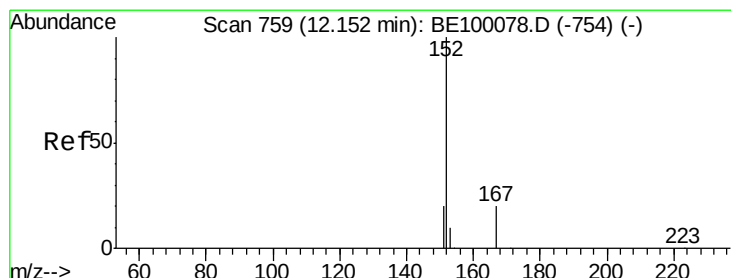
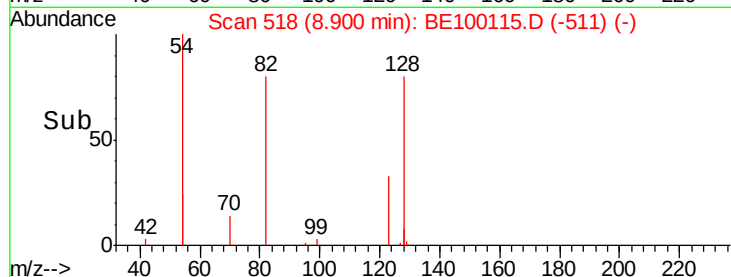
Abundance Ion 82.00 (81.70 to 82.70): BE1

Ion 128.00 (127.70 to 128.70): BE1

Ion 54.00 (53.70 to 54.70): BE1



Time-->



#11

2-Methylnaphthalene-d10

Concen: 0.080 ng

RT: 12.14 min Scan# 758

Delta R.T. -0.01 min

Lab File: BE100115.D

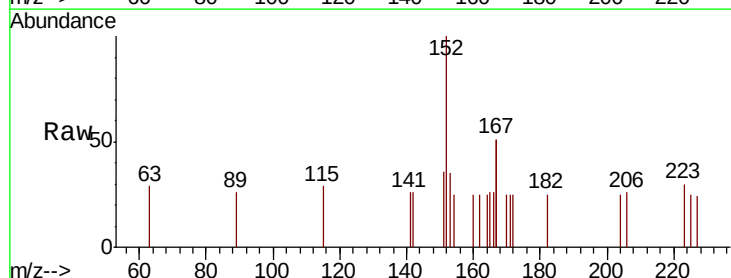
Acq: 20 Jun 2019 20:03

Tgt Ion: 152 Resp: 315

Ion Ratio Lower Upper

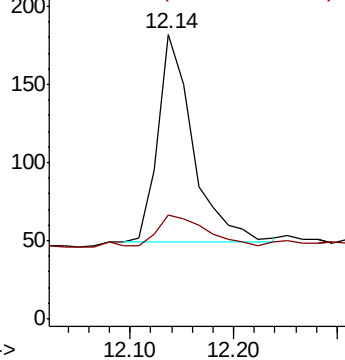
152 100

151 19.0 16.3 24.5

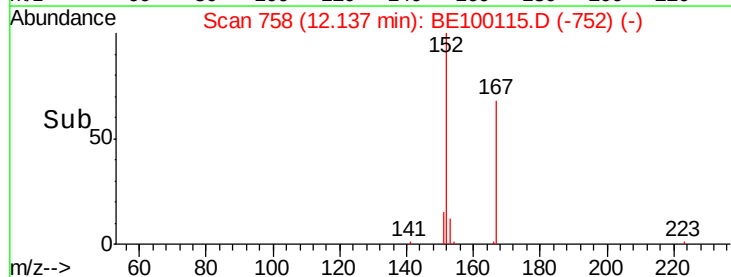


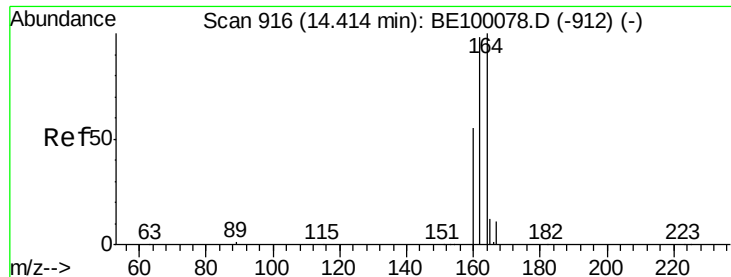
Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



Time-->

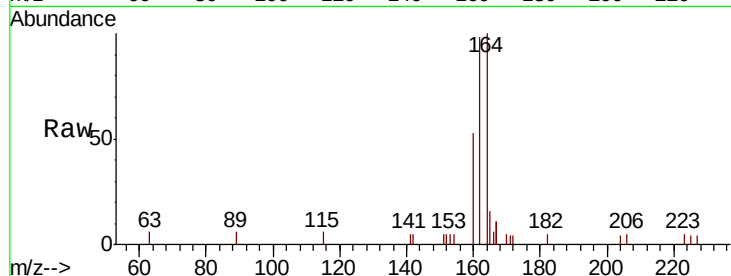




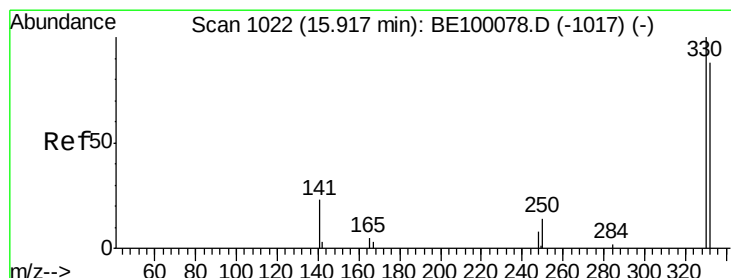
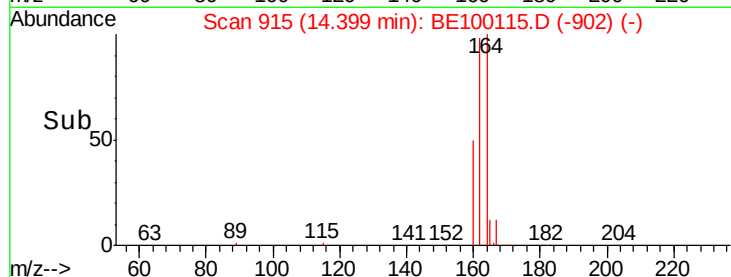
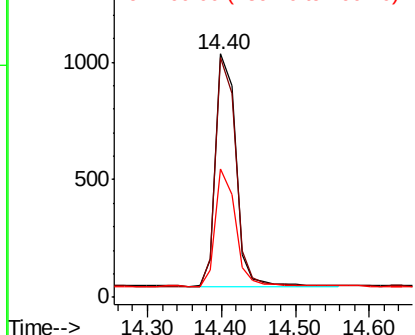
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.40 min Scan# 915
Delta R.T. -0.01 min
Lab File: BE100115.D
Acq: 20 Jun 2019 20:03

Instrument :
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ClientSampleId :
C-MW-11_061119

Tgt Ion:164 Resp: 1878
Ion Ratio Lower Upper
164 100
162 98.3 78.2 117.2
160 52.8 45.6 68.4

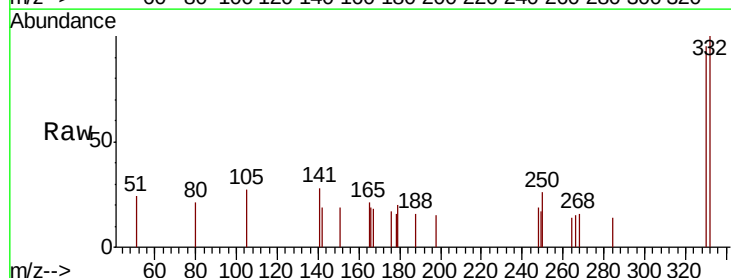


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

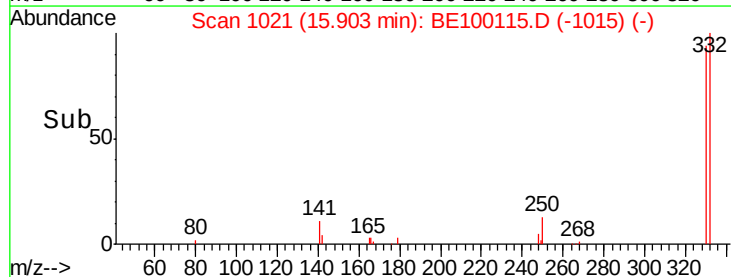
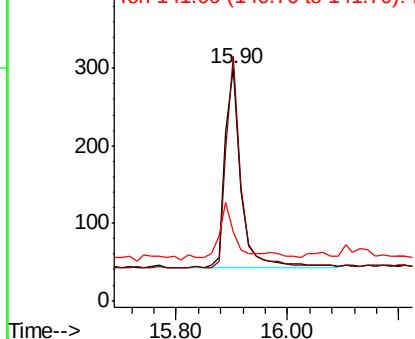


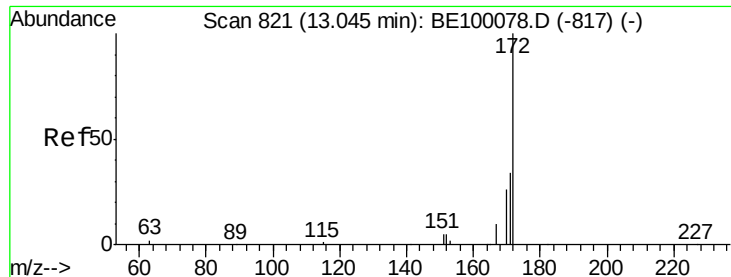
#14
2,4,6-Tribromophenol
Concen: 0.495 ng
RT: 15.90 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BE100115.D
Acq: 20 Jun 2019 20:03

Tgt Ion:330 Resp: 513
Ion Ratio Lower Upper
330 100
332 98.2 73.3 109.9
141 25.3 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

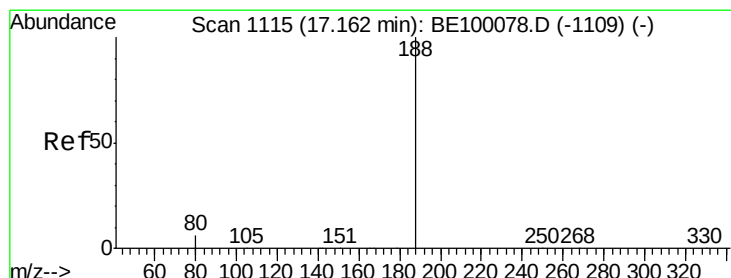
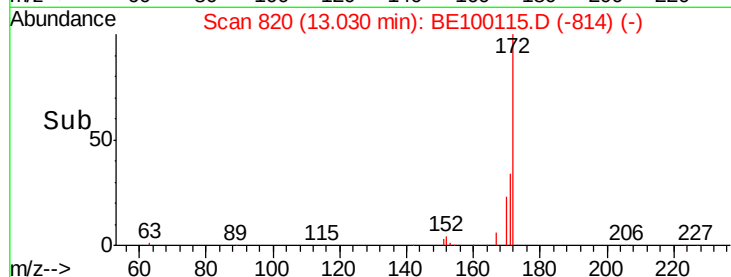
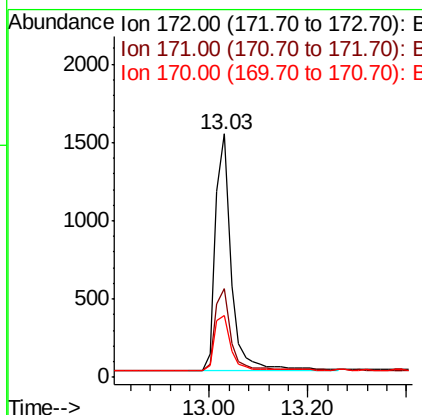
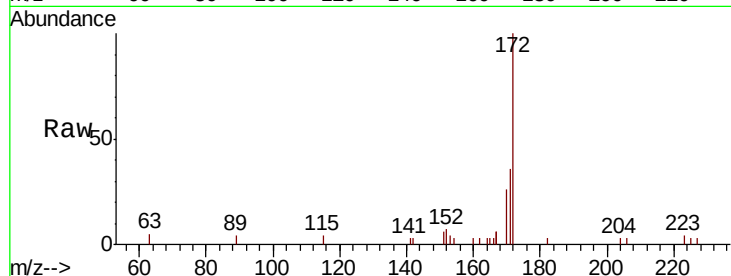




#15
2-Fluorobiphenyl
Concen: 0.448 ng
RT: 13.03 min Scan# 820
Delta R.T. -0.01 min
Lab File: BE100115.D
Acq: 20 Jun 2019 20:03

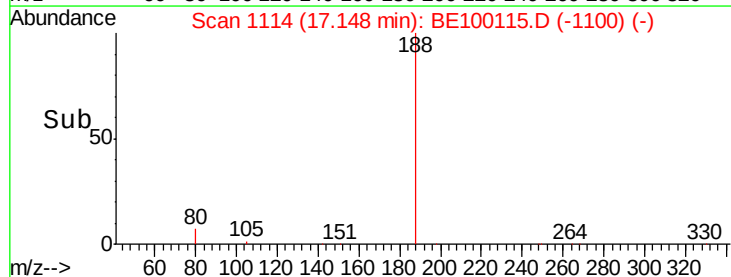
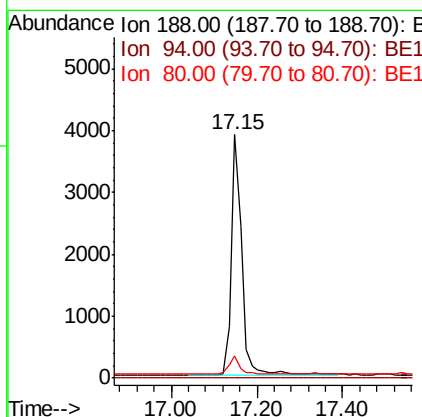
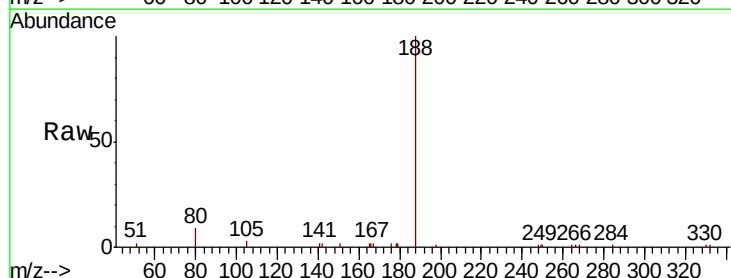
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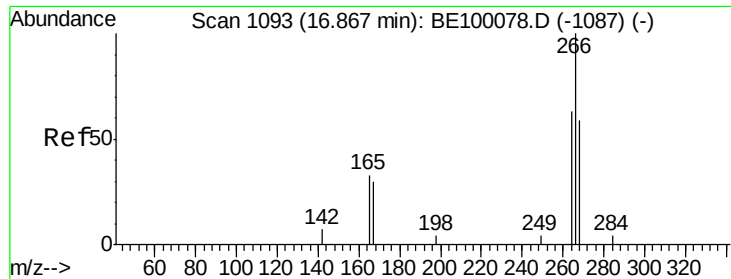
Tgt Ion:172 Resp: 3311
Ion Ratio Lower Upper
172 100
171 36.3 29.8 44.8
170 25.6 23.2 34.8



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.15 min Scan# 1114
Delta R.T. -0.01 min
Lab File: BE100115.D
Acq: 20 Jun 2019 20:03

Tgt Ion:188 Resp: 6493
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 9.1 6.3 9.5

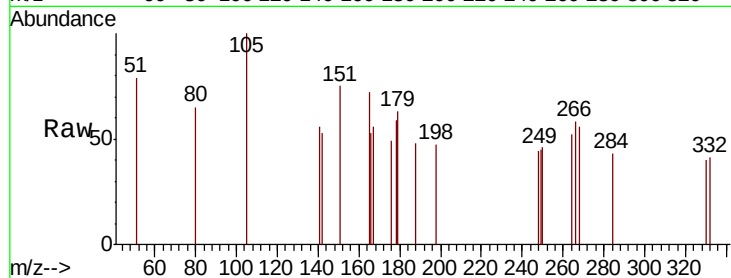




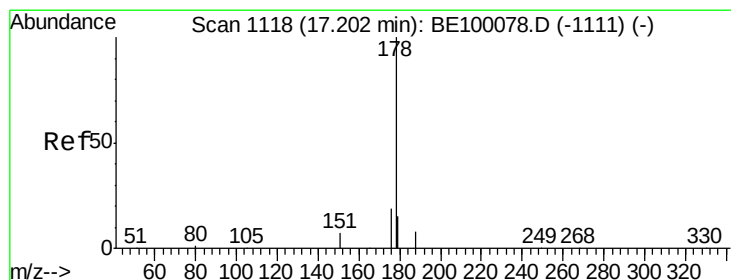
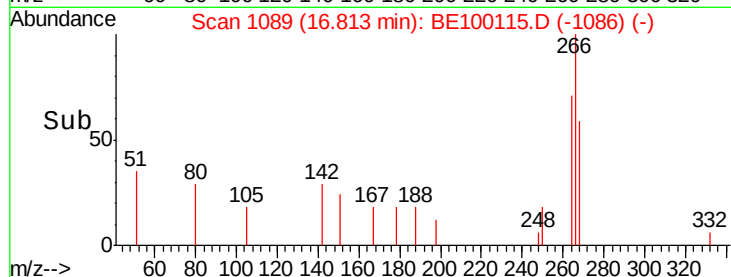
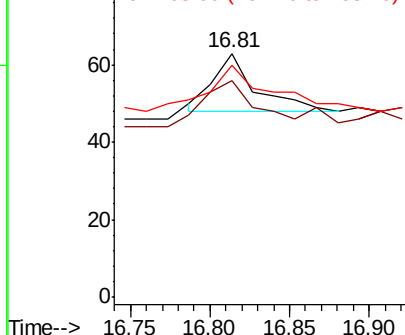
#22
 Pentachlorophenol
 Concen: 0.262 ng
 RT: 16.81 min Scan# 1089
 Delta R.T. -0.05 min
 Lab File: BE100115.D
 Acq: 20 Jun 2019 20:03

Instrument :
 BNA_E
 ClientSampleId :
 C-MW-11_061119

Tgt Ion: 266 Resp: 28
 Ion Ratio Lower Upper
 266 100
 264 88.9 67.8 101.6
 268 95.2 70.0 105.0

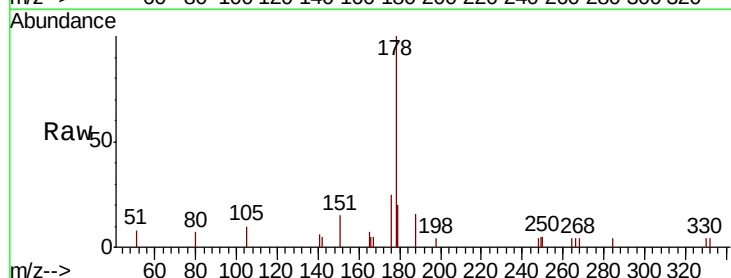


Abundance Ion 266.00 (265.70 to 266.70): E
 Ion 264.00 (263.70 to 264.70): E
 Ion 268.00 (267.70 to 268.70): E

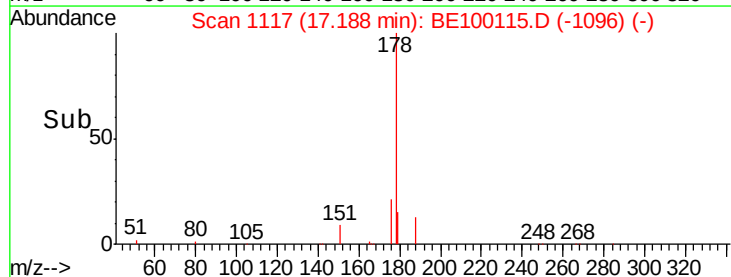
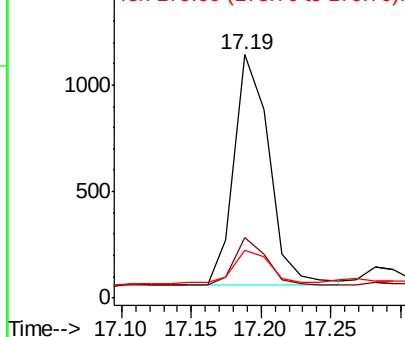


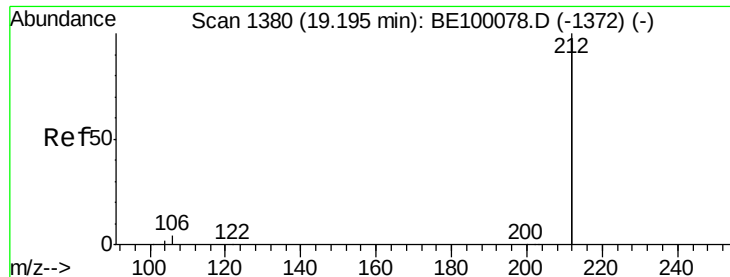
#23
 Phenanthrene
 Concen: 0.121 ng
 RT: 17.19 min Scan# 1117
 Delta R.T. -0.01 min
 Lab File: BE100115.D
 Acq: 20 Jun 2019 20:03

Tgt Ion: 178 Resp: 1885
 Ion Ratio Lower Upper
 178 100
 176 19.8 15.9 23.9
 179 18.9 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





#25

Fluoranthene-d10

Concen: 0.095 ng

RT: 19.19 min Scan# 1379

Delta R.T. -0.01 min

Lab File: BE100115.D

Acq: 20 Jun 2019 20:03

Instrument :

BNA_E

ClientSampleId :

C-MW-11_061119

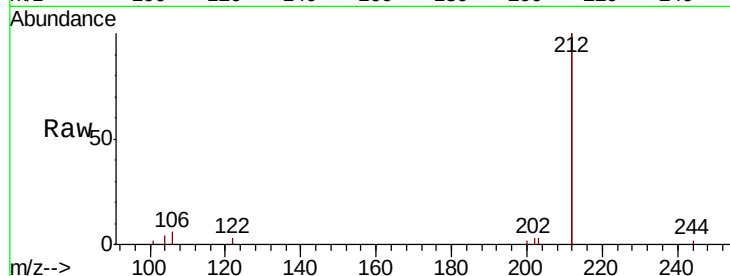
Tgt Ion:212 Resp: 8777

Ion Ratio Lower Upper

212 100

106 2.3 1.4 2.0#

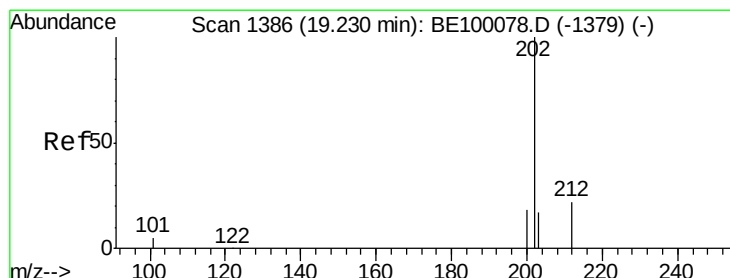
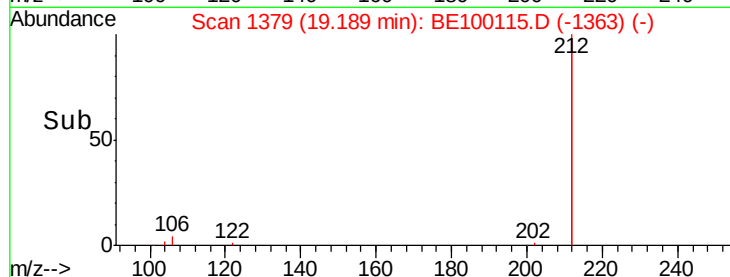
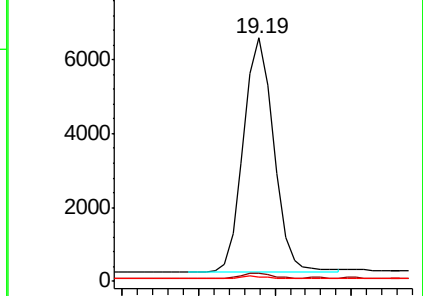
104 1.2 0.8 1.2



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



#26

Fluoranthene

Concen: 0.367 ng

RT: 19.22 min Scan# 1384

Delta R.T. -0.01 min

Lab File: BE100115.D

Acq: 20 Jun 2019 20:03

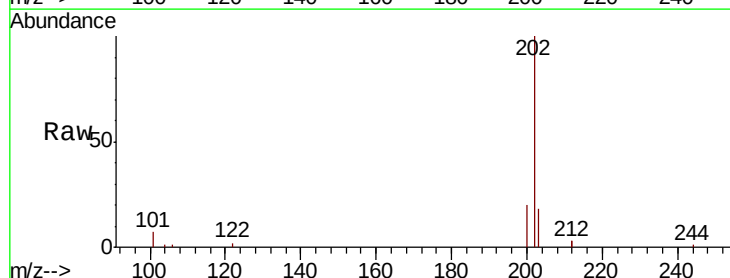
Tgt Ion:202 Resp: 9172

Ion Ratio Lower Upper

202 100

101 7.2 5.0 7.4

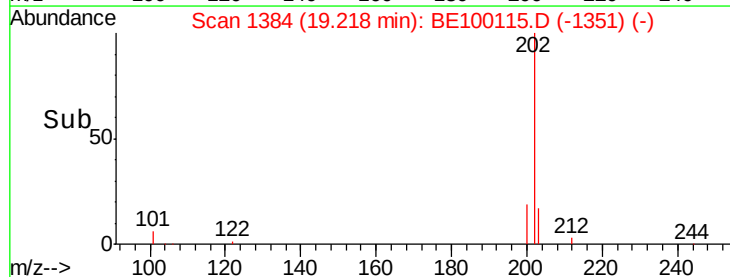
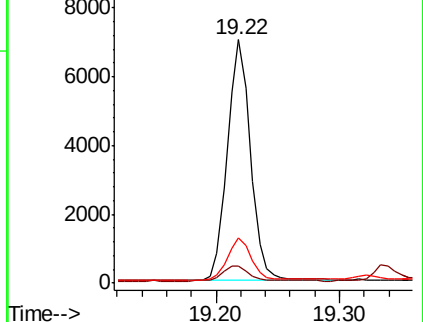
203 17.5 13.7 20.5

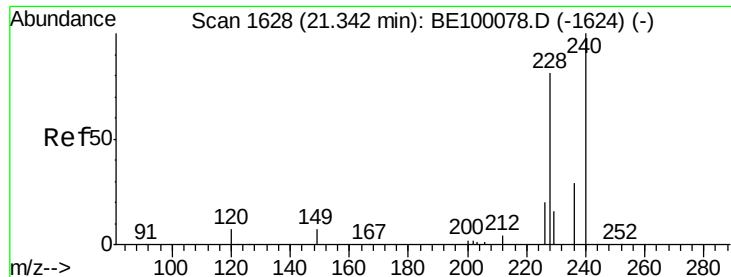


Abundance Ion 202.00 (201.70 to 202.70): E

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: BE100115.D

Acq: 20 Jun 2019 20:03

Instrument :

BNA_E

ClientSampleId :

C-MW-11_061119

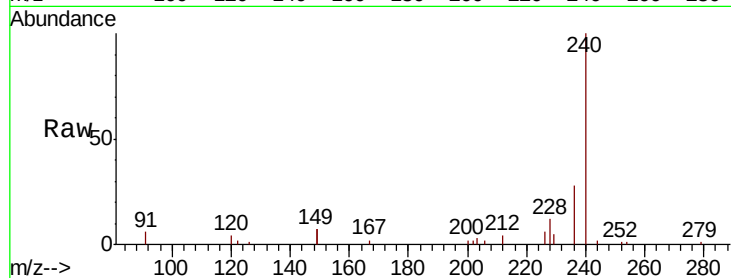
Tgt Ion:240 Resp: 10418

Ion Ratio Lower Upper

240 100

120 3.9 6.6 10.0#

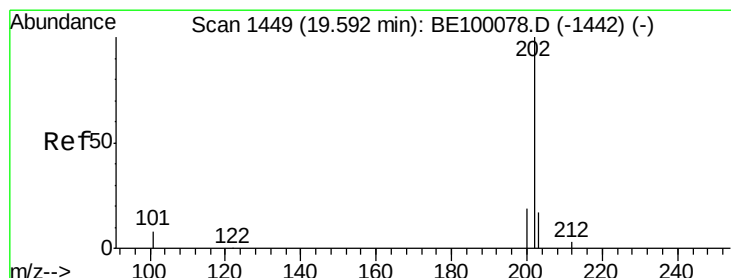
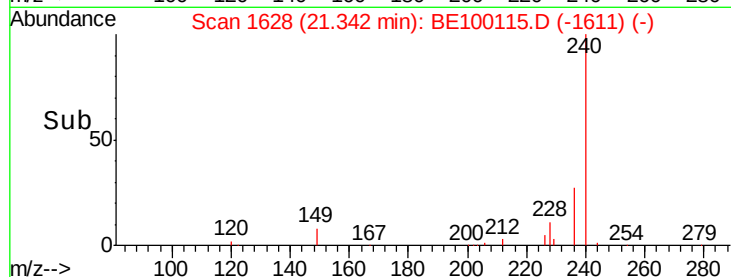
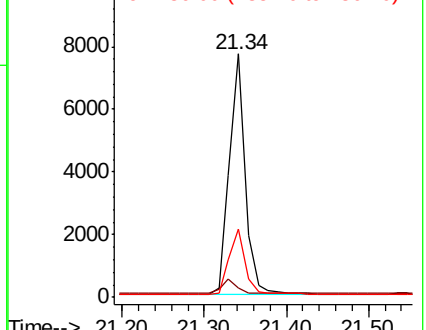
236 27.9 23.8 35.6



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: 0.285 ng

RT: 19.58 min Scan# 1447

Delta R.T. -0.01 min

Lab File: BE100115.D

Acq: 20 Jun 2019 20:03

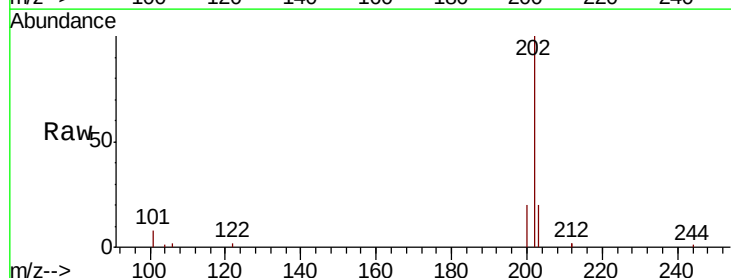
Tgt Ion:202 Resp: 7625

Ion Ratio Lower Upper

202 100

200 19.3 15.6 23.4

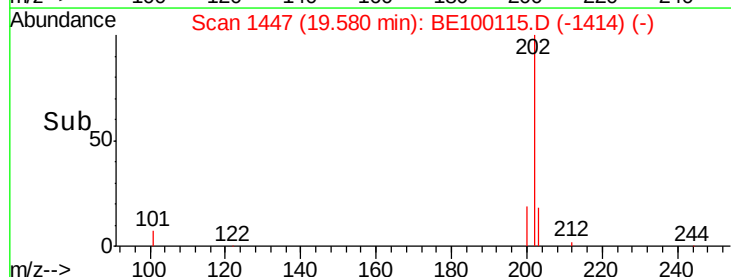
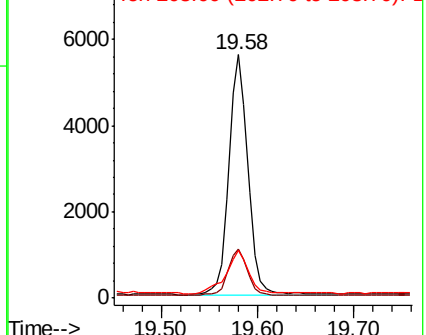
203 21.0 13.9 20.9#

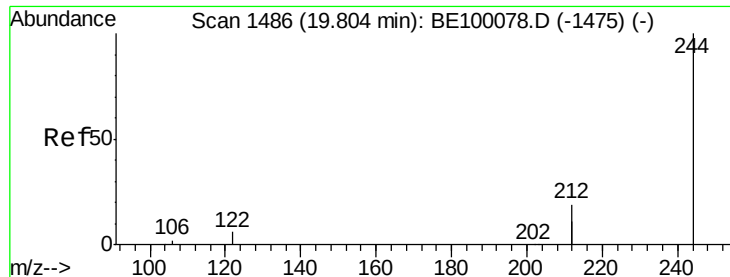


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.494 ng

RT: 19.79 min Scan# 1483

Delta R.T. -0.02 min

Lab File: BE100115.D

Acq: 20 Jun 2019 20:03

Instrument :

BNA_E

ClientSampleId :

C-MW-11_061119

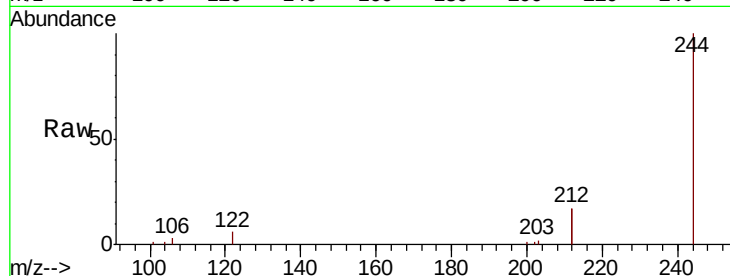
Tgt Ion:244 Resp: 10291

Ion Ratio Lower Upper

244 100

212 33.3 29.8 44.8

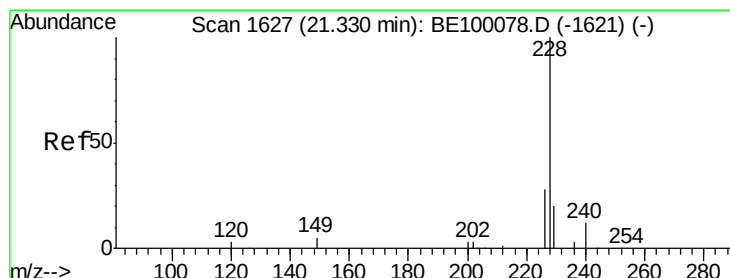
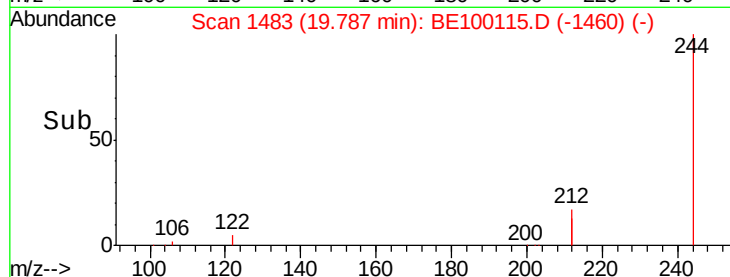
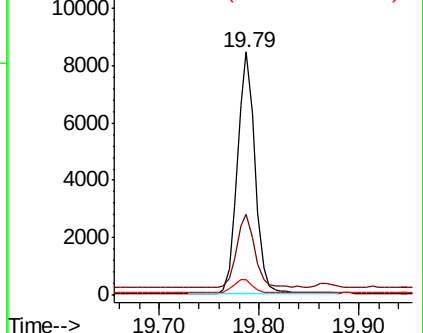
122 6.3 6.1 9.1



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#30

Benzo(a)anthracene

Concen: 0.244 ng

RT: 21.38 min Scan# 1631

Delta R.T. 0.05 min

Lab File: BE100115.D

Acq: 20 Jun 2019 20:03

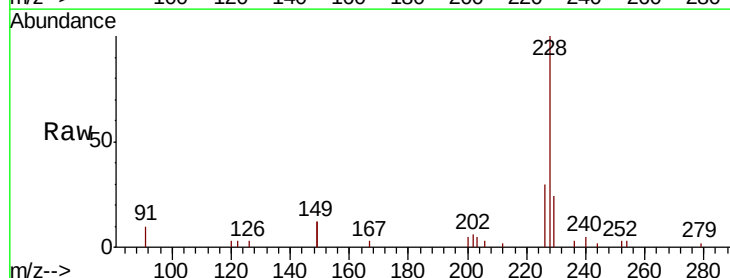
Tgt Ion:228 Resp: 7560

Ion Ratio Lower Upper

228 100

226 30.2 23.0 34.4

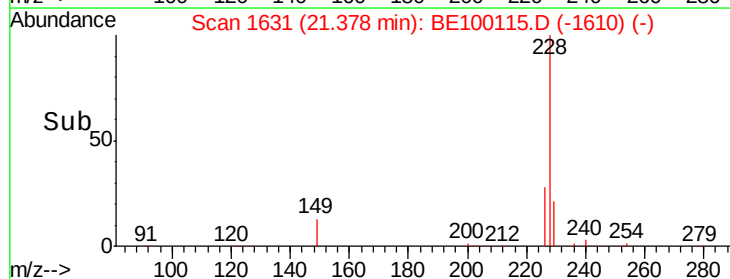
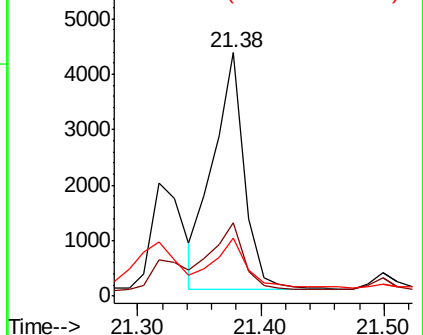
229 24.0 16.4 24.6

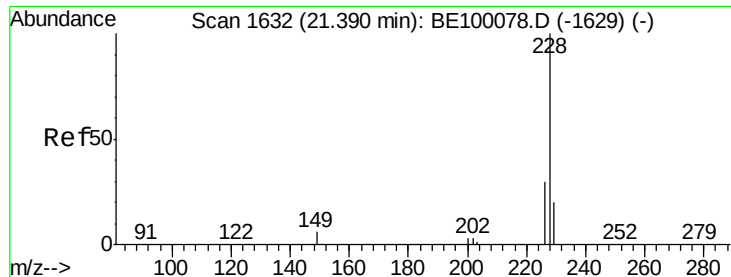


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.208 ng

RT: 21.38 min Scan# 1631

Delta R.T. -0.01 min

Lab File: BE100115.D

Acq: 20 Jun 2019 20:03

Instrument :

BNA_E

ClientSampleId :

C-MW-11_061119

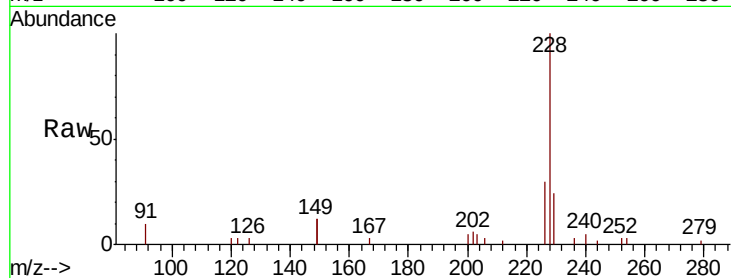
Tgt Ion:228 Resp: 7491

Ion Ratio Lower Upper

228 100

226 30.2 23.8 35.8

229 24.0 16.3 24.5

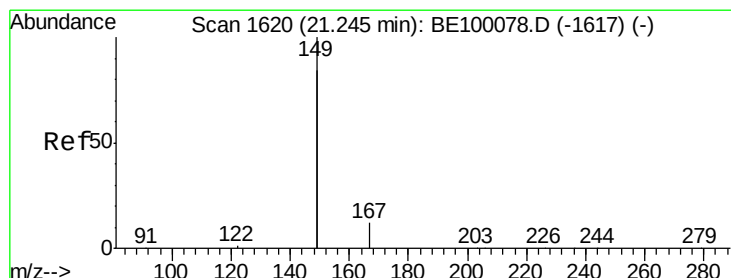
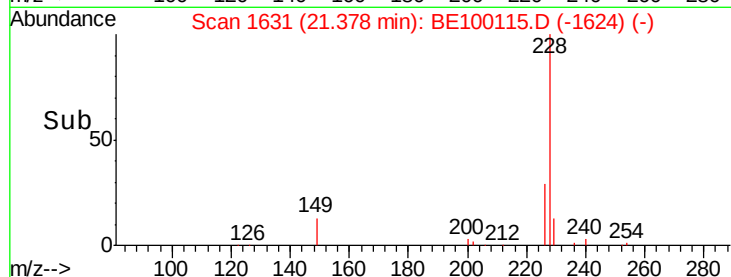
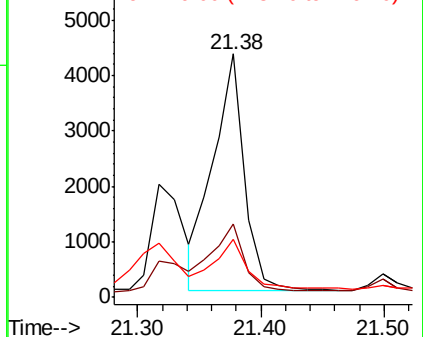


Abundance

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: 0.382 ng

RT: 21.24 min Scan# 1620

Delta R.T. -0.00 min

Lab File: BE100115.D

Acq: 20 Jun 2019 20:03

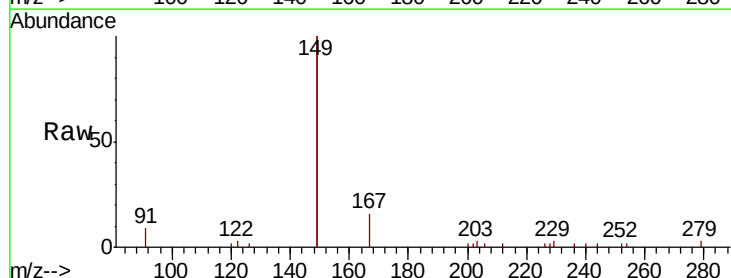
Tgt Ion:149 Resp: 11160

Ion Ratio Lower Upper

149 100

167 7.3 5.8 8.6

279 1.6 1.1 1.7

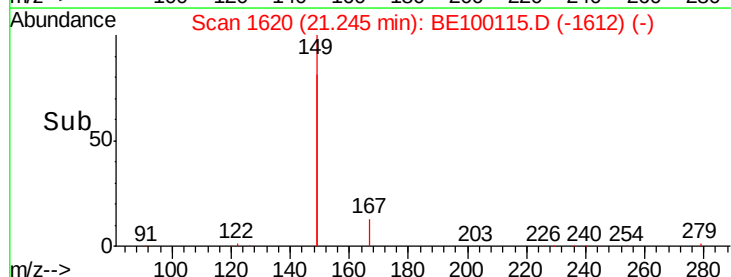
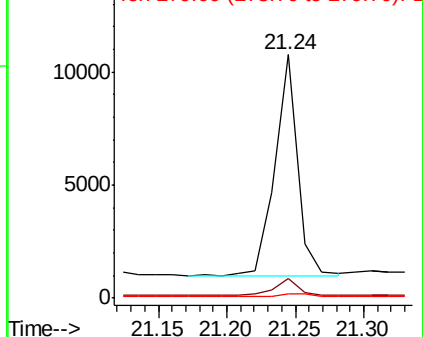


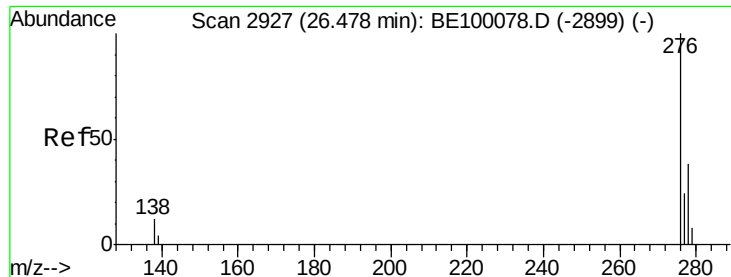
Abundance

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: 0.166 ng

RT: 26.47 min Scan# 2924

Delta R.T. -0.01 min

Lab File: BE100115.D

Acq: 20 Jun 2019 20:03

Instrument :

BNA_E

ClientSampleId :

C-MW-11_061119

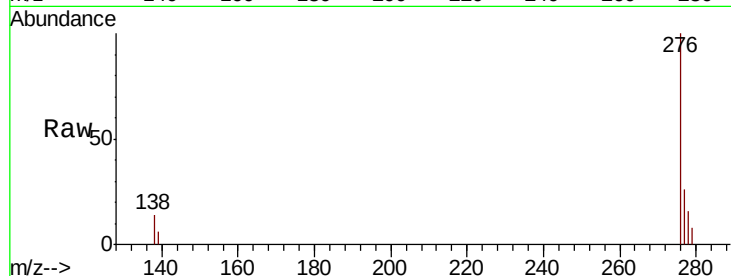
Tgt Ion:276 Resp: 6709

Ion Ratio Lower Upper

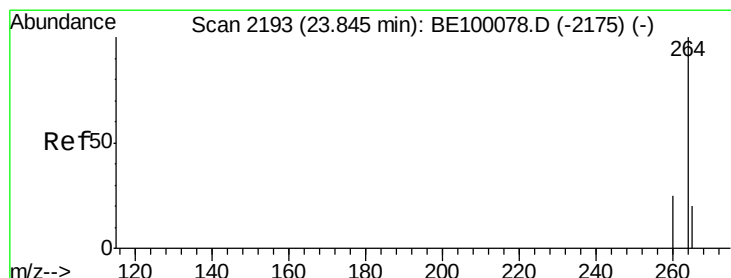
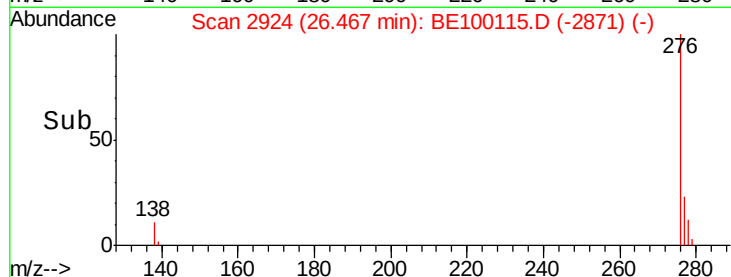
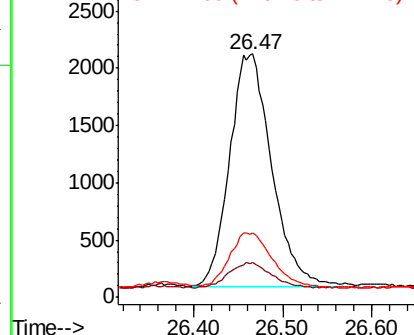
276 100

138 11.1 4.3 6.5#

277 23.7 19.4 29.0



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: 23.83 min Scan# 2190

Delta R.T. -0.01 min

Lab File: BE100115.D

Acq: 20 Jun 2019 20:03

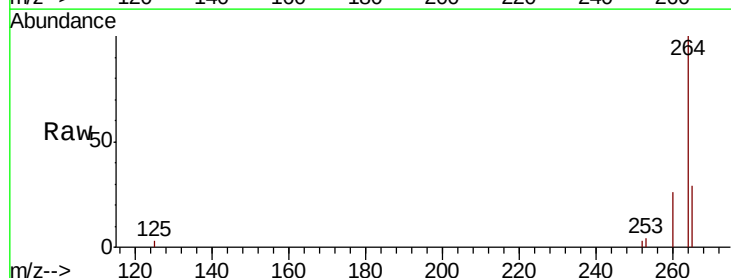
Tgt Ion:264 Resp: 12058

Ion Ratio Lower Upper

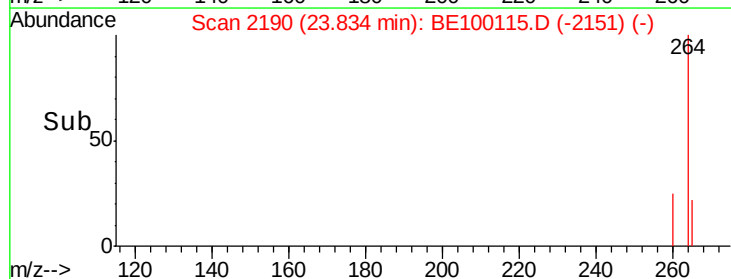
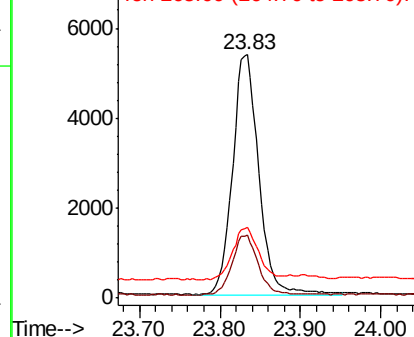
264 100

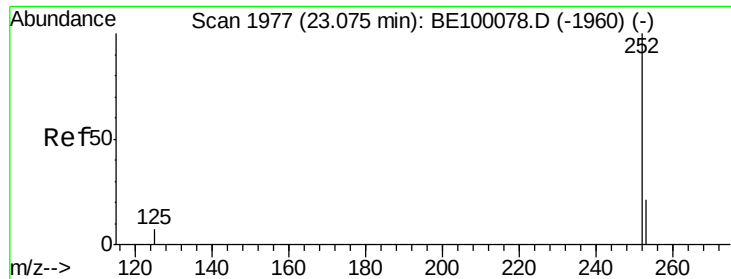
260 26.0 20.8 31.2

265 29.1 23.2 34.8



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

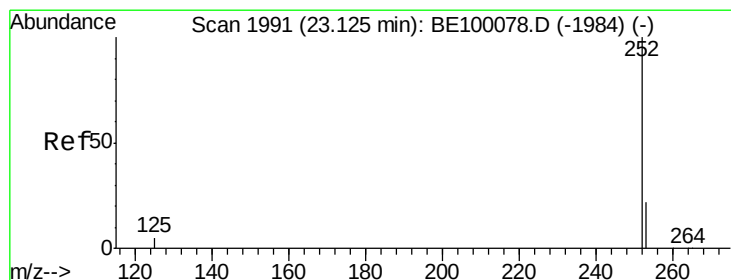
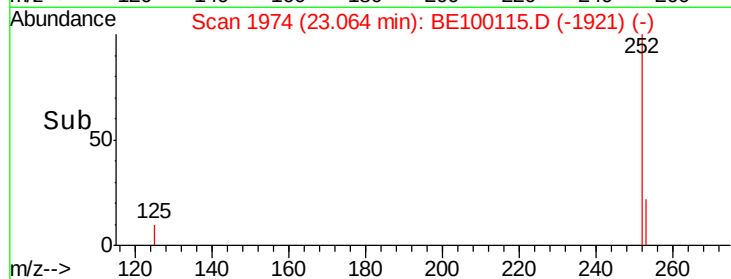
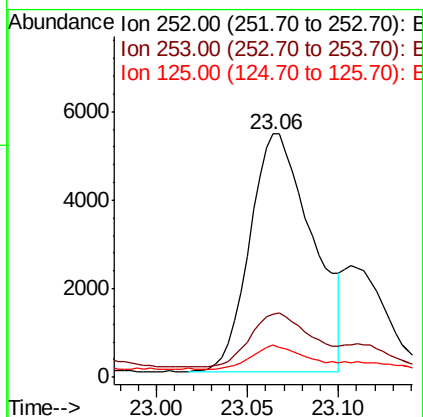
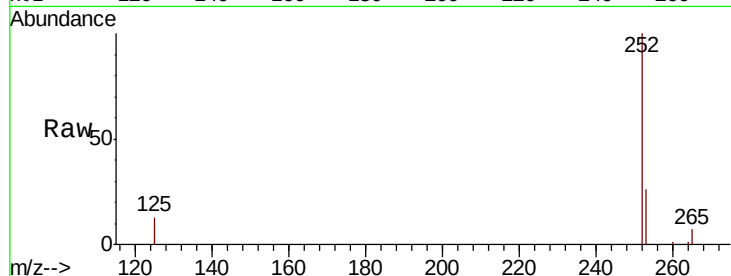




#35
Benzo(b)fluoranthene
Concen: 0.363 ng
RT: 23.06 min Scan# 1974
Delta R.T. -0.01 min
Lab File: BE100115.D
Acq: 20 Jun 2019 20:03

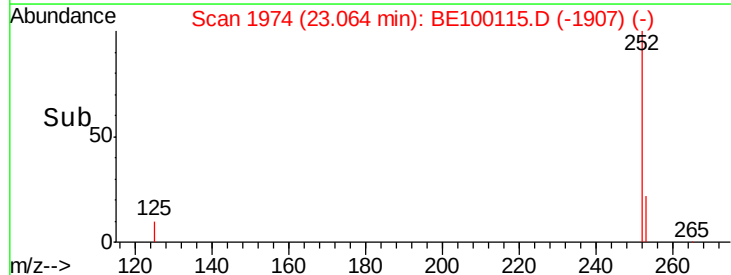
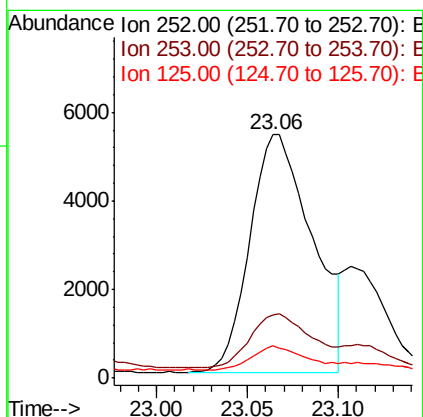
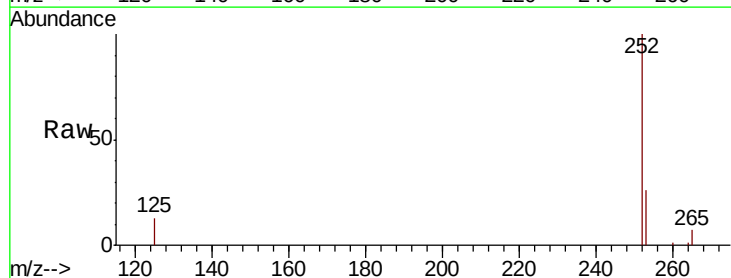
Instrument :
BNA_E
ClientSampleId :
C-MW-11_061119

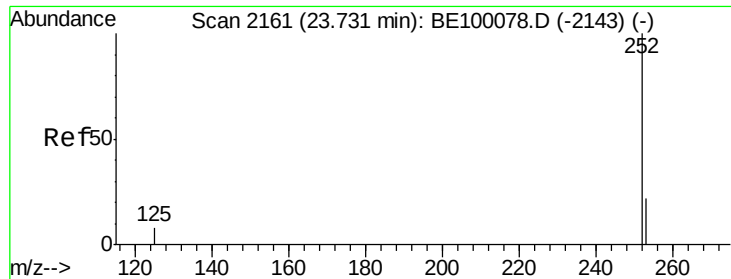
Tgt Ion: 252 Resp: 12842
Ion Ratio Lower Upper
252 100
253 25.9 18.4 27.6
125 13.2 6.4 9.6#



#36
Benzo(k)fluoranthene
Concen: 0.319 ng
RT: 23.06 min Scan# 1974
Delta R.T. -0.06 min
Lab File: BE100115.D
Acq: 20 Jun 2019 20:03

Tgt Ion: 252 Resp: 12842
Ion Ratio Lower Upper
252 100
253 25.9 18.9 28.3
125 13.2 5.3 7.9#





#37

Benzo(a)pyrene

Concen: 0.198 ng

RT: 23.61 min Scan# 2126

Delta R.T. -0.12 min

Lab File: BE100115.D

Acq: 20 Jun 2019 20:03

Instrument :

BNA_E

ClientSampleId :

C-MW-11_061119

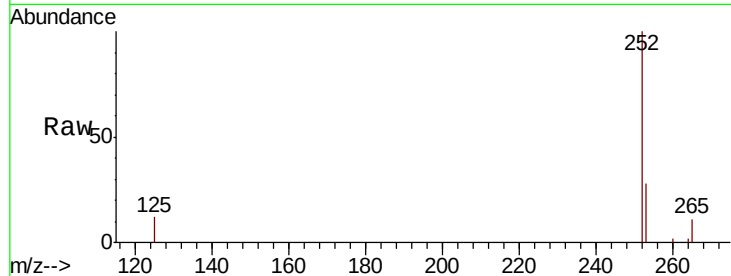
Tgt Ion: 252 Resp: 6755

Ion Ratio Lower Upper

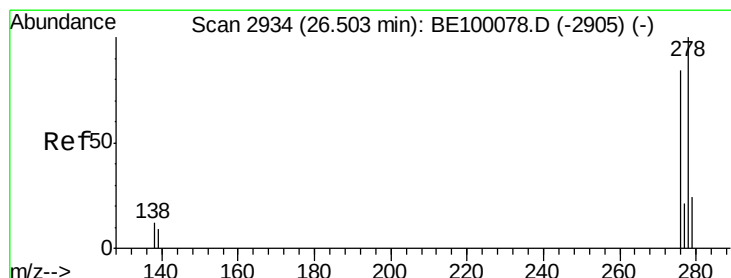
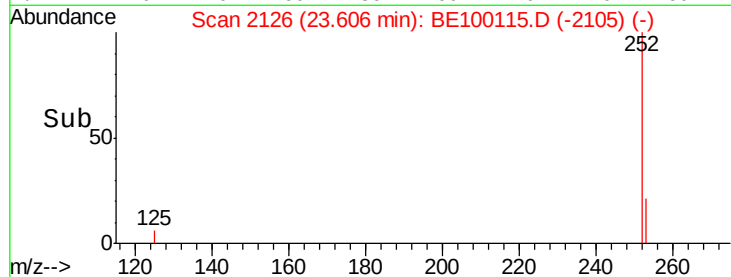
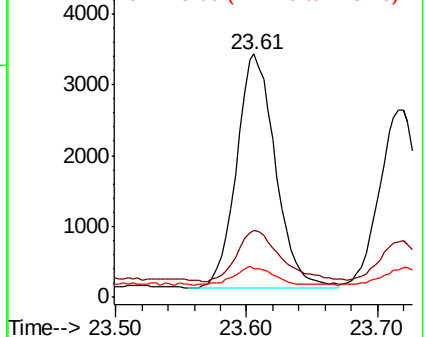
252 100

253 27.5 19.4 29.2

125 11.7 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



#38

Dibenzo(a,h)anthracene

Concen: 0.035 ng

RT: 26.49 min Scan# 2930

Delta R.T. -0.01 min

Lab File: BE100115.D

Acq: 20 Jun 2019 20:03

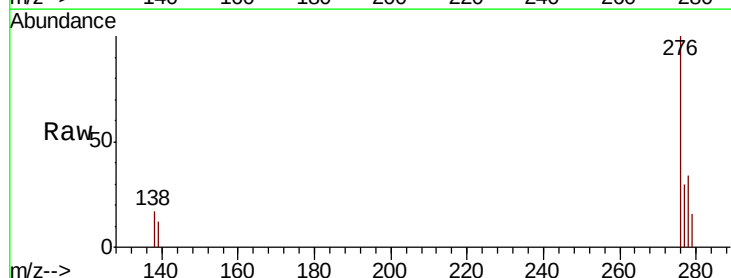
Tgt Ion: 278 Resp: 1215

Ion Ratio Lower Upper

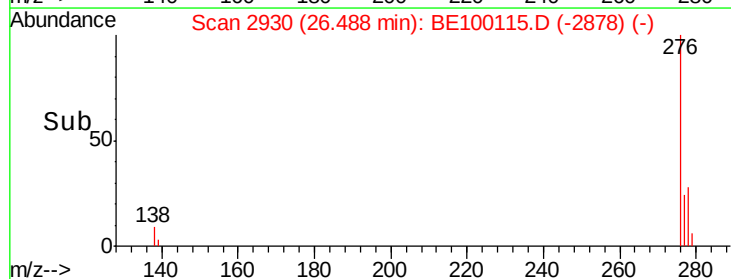
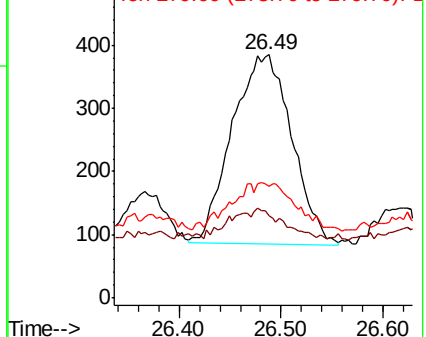
278 100

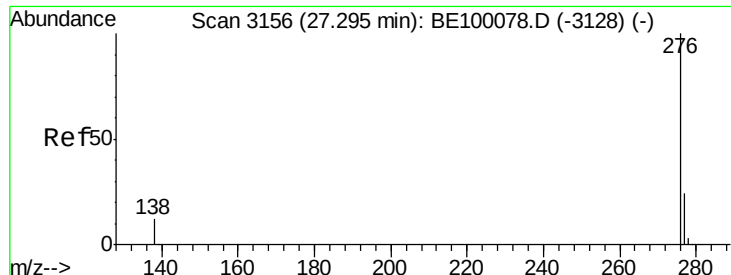
139 33.8 9.0 13.6#

279 46.0 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(g,h,i)perylene

Concen: 0.207 ng

RT: 27.28 min Scan# 3151

Delta R.T. -0.02 min

Lab File: BE100115.D

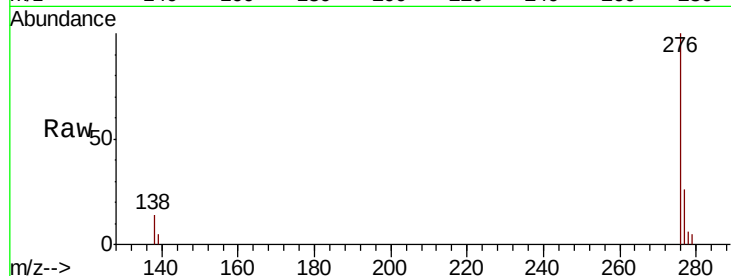
Acq: 20 Jun 2019 20:03

Instrument :

BNA_E

ClientSampleId :

C-MW-11_061119



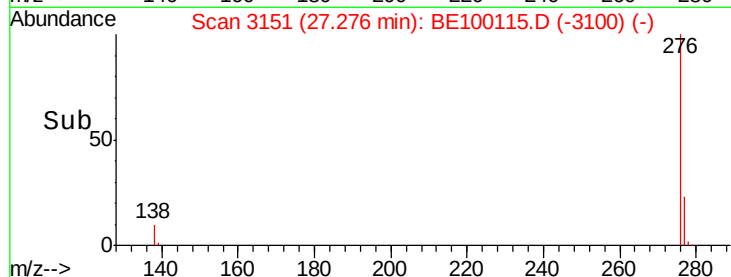
Tgt Ion: 276 Resp: 7531

Ion Ratio Lower Upper

276 100

277 26.5 20.3 30.5

138 13.8 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

