

Data File : BE101119.D
Acq On : 22 Jan 2020 17:55
Operator : CG/JU
Sample : L1179-02RE
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SB-MW-16

Quant Time: Jan 23 04:07:27 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE010820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 08 18:36:25 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.72	152	2897	0.40	ng	-0.02
7) Naphthalene-d8	10.50	136	13371	0.40	ng	0.00
13) Acenaphthene-d10	14.36	164	14794	0.40	ng	0.00
19) Phenanthrene-d10	17.09	188	18046	0.40	ng	0.00
27) Chrysene-d12	21.27	240	16004	0.40	ng	-0.01
34) Perylene-d12	23.70	264	17857	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.32	112	10314	1.58	ng	-0.02
5) Phenol-d6	6.91	99	3570	0.43	ng	0.00
8) Nitrobenzene-d5	8.82	82	4646	0.49	ng	-0.05
11) 2-Methylnaphthalene-d10	12.09	152	10162	0.40	ng	-0.02
14) 2,4,6-Tribromophenol	15.84	330	1793	0.43	ng	-0.01
15) 2-Fluorobiphenyl	12.99	172	13473	0.24	ng	-0.02
25) Fluoranthene-d10	19.14	212	95172	0.38	ng	0.01
29) Terphenyl-d14	19.72	244	19629	0.50	ng	-0.01

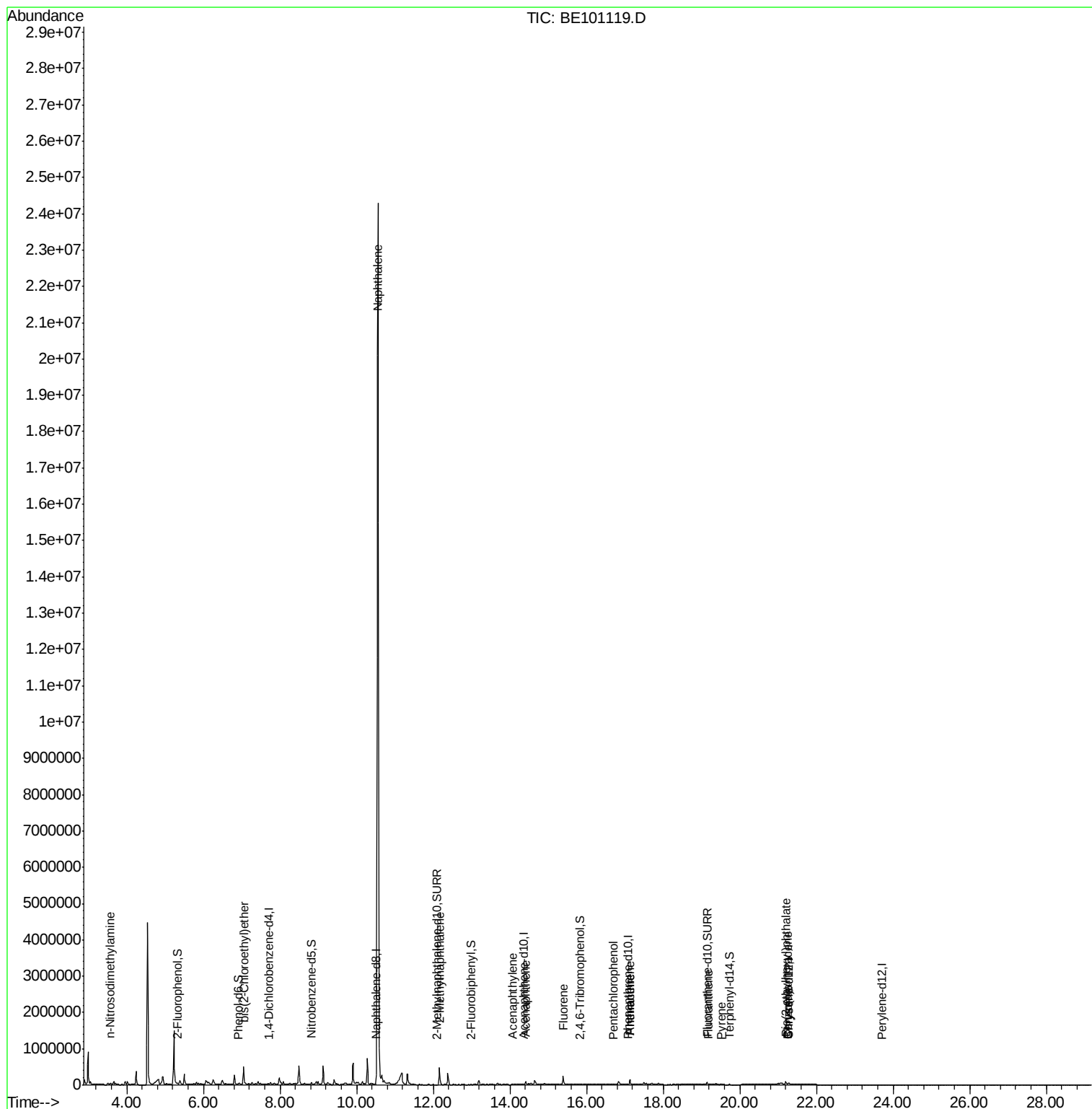
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.33	88	44	Below Cal	#	26
3) n-Nitrosodimethylamine	3.57	42	4298	1.068	ng	1
6) bis(2-Chloroethyl)ether	7.05	93	577180	58.749	ng	1
9) Naphthalene	10.55	128	49327139	332.243	ng	96
12) 2-Methylnaphthalene	12.17	142	326860	14.555	ng	97
16) Acenaphthylene	14.08	152	25332	0.420	ng	78
17) Acenaphthene	14.41	154	38521	0.893	ng	94
18) Fluorene	15.39	166	181604	3.331	ng	98
22) Pentachlorophenol	16.69	266	35	0.260	ng	86
23) Phenanthrene	17.13	178	153369	3.112	ng	98
24) Anthracene	17.13	178	153369	3.298	ng	97
26) Fluoranthene	19.18	202	22361	0.362	ng	97
28) Pyrene	19.52	202	15849	0.266	ng	93
30) Benzo(a)anthracene	21.26	228	1511	0.033	ng	27
31) Chrysene	21.26	228	1511	0.022	ng	31
32) Bis(2-ethylhexyl)phthalate	21.20	149	69250	0.910	ng	97

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

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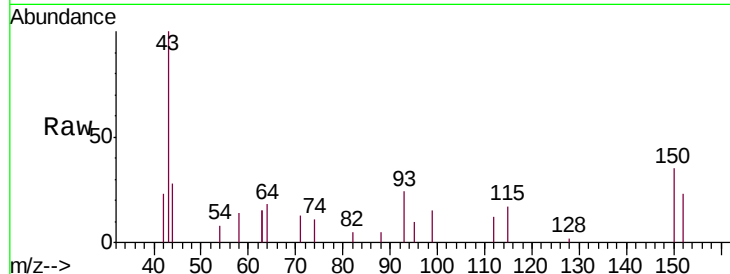


#1

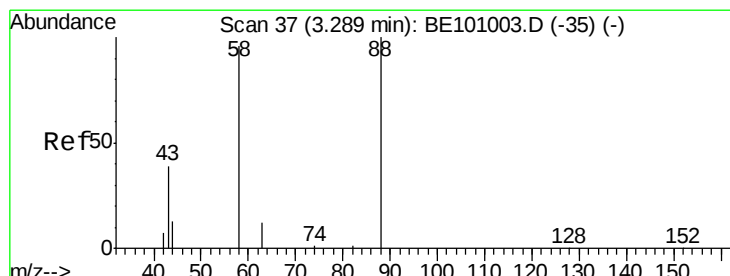
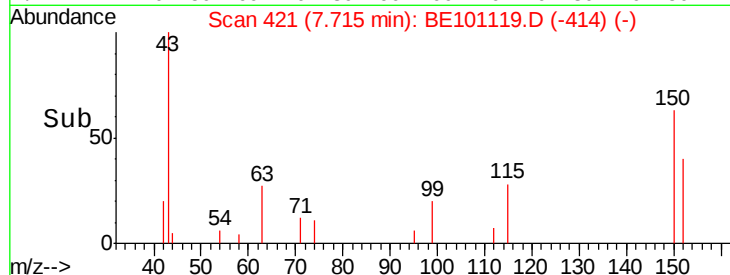
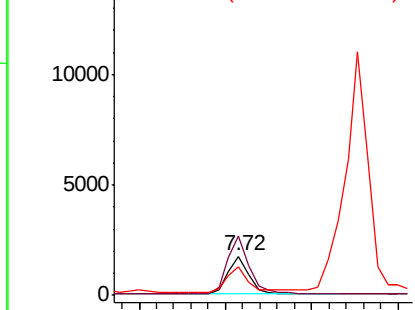
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.72 min Scan# 421
Delta R.T. -0.02 min
Lab File: BE101119.D
Acq: 22 Jan 2020 17:55

Instrument :
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ClientSampleId :
SB-MW-16

Tgt Ion: 152 Resp: 2897
Ion Ratio Lower Upper
152 100
150 152.5 120.3 180.5
115 73.6 51.7 77.5



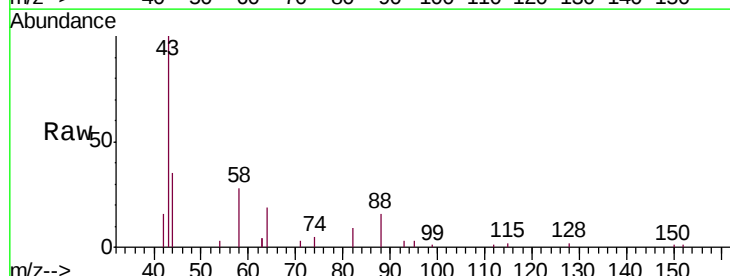
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



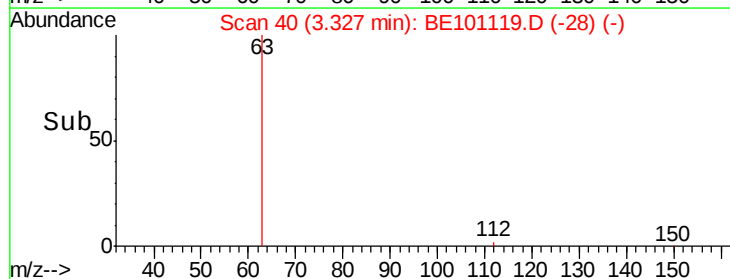
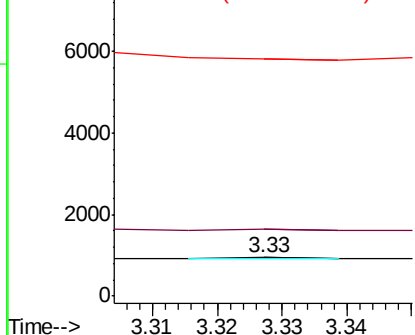
#2

1,4-Dioxane
Concen: Below Cal
RT: 3.33 min Scan# 40
Delta R.T. 0.04 min
Lab File: BE101119.D
Acq: 22 Jan 2020 17:55

Tgt Ion: 88 Resp: 44
Ion Ratio Lower Upper
88 100
58 0.0 53.0 79.4#
43 0.0 23.4 35.2#



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



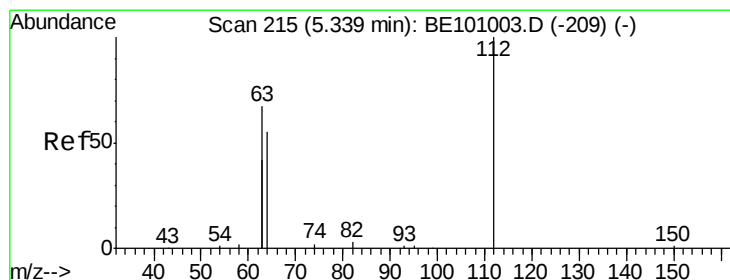
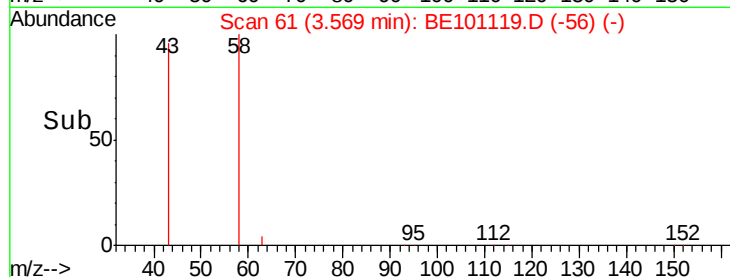
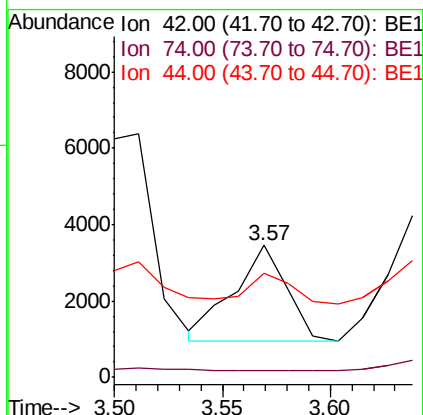
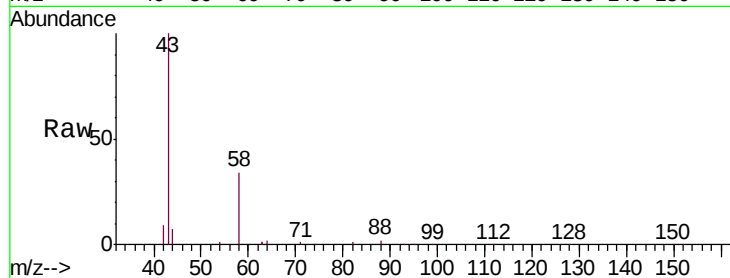


#3

n-Nitrosodimethylamine
 Concen: 1.068 ng
 RT: 3.57 min Scan# 61
 Delta R.T. -0.04 min
 Lab File: BE101119.D
 Acq: 22 Jan 2020 17:55

Instrument :
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 SB-MW-16

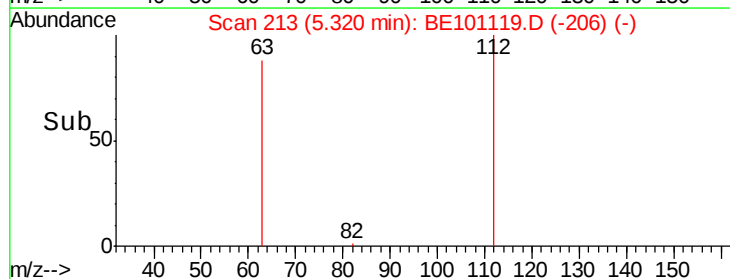
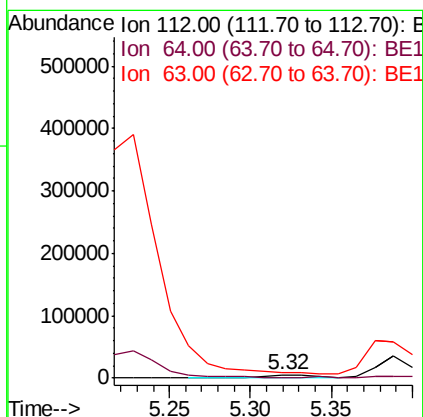
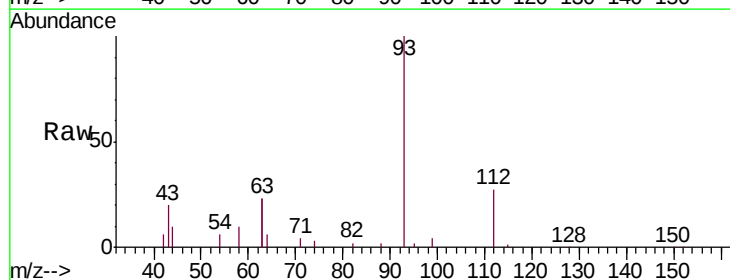
Tgt Ion: 42 Resp: 4298
 Ion Ratio Lower Upper
 42 100
 74 0.0 105.7 158.5#
 44 26.4 10.0 15.0#



#4

2-Fluorophenol
 Concen: 1.582 ng
 RT: 5.32 min Scan# 213
 Delta R.T. -0.02 min
 Lab File: BE101119.D
 Acq: 22 Jan 2020 17:55

Tgt Ion: 112 Resp: 10314
 Ion Ratio Lower Upper
 112 100
 64 0.0 53.6 80.4#
 63 0.0 114.6 172.0#





#5

Phenol-d6

Concen: 0.433 ng

RT: 6.91 min Scan# 351

Delta R.T. -0.01 min

Lab File: BE101119.D

Acq: 22 Jan 2020 17:55

Instrument :

BNA_E

ClientSampled :

SB-MW-16

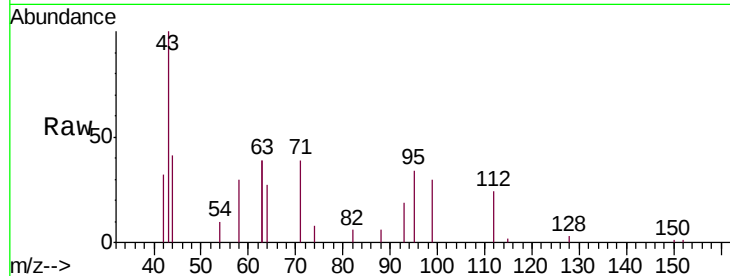
Tgt Ion: 99 Resp: 3570

Ion Ratio Lower Upper

99 100

42 82.4 18.3 27.5#

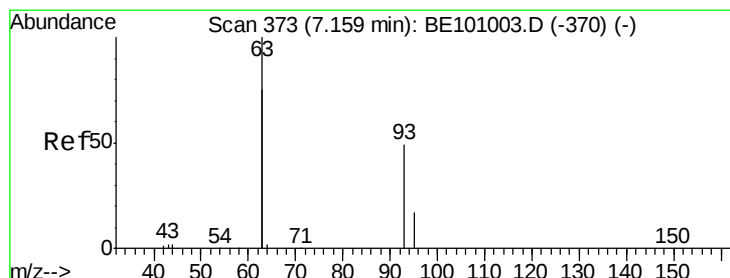
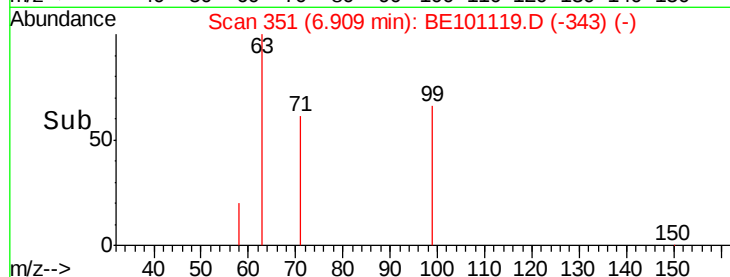
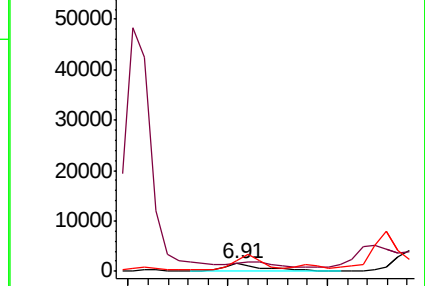
71 167.5 28.0 42.0#



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: 58.749 ng

RT: 7.05 min Scan# 363

Delta R.T. -0.11 min

Lab File: BE101119.D

Acq: 22 Jan 2020 17:55

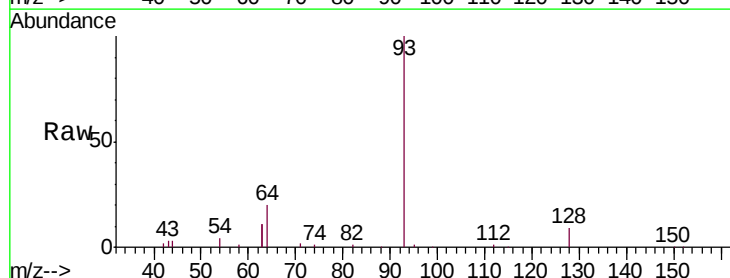
Tgt Ion: 93 Resp: 577180

Ion Ratio Lower Upper

93 100

63 25.0 233.9 350.9#

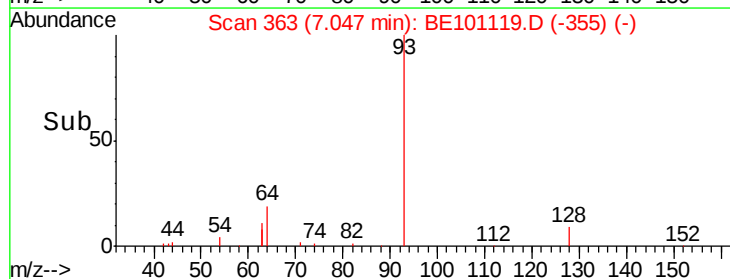
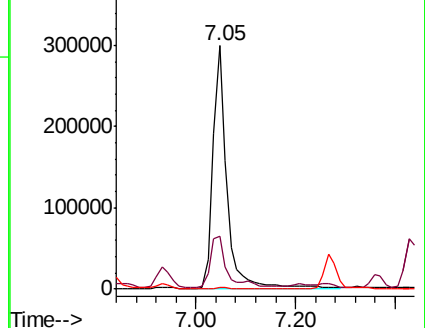
95 0.6 23.5 35.3#



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: 10.50 min Scan# 641

Delta R.T. -0.00 min

Lab File: BE101119.D

Acq: 22 Jan 2020 17:55

Instrument :

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Tgt Ion: 136 Resp: 13371

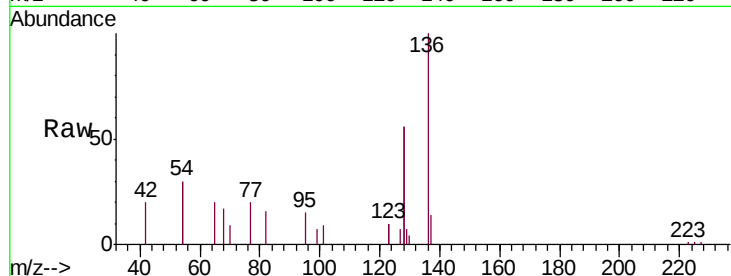
Ion Ratio Lower Upper

136 100

137 13.5 9.3 13.9

54 60.1 36.8 55.2#

68 16.6 8.4 12.6#

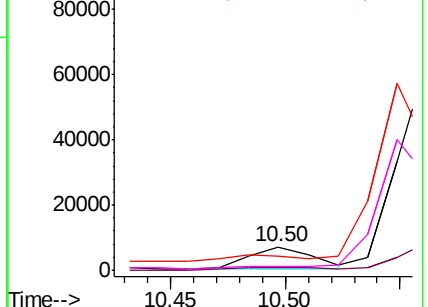
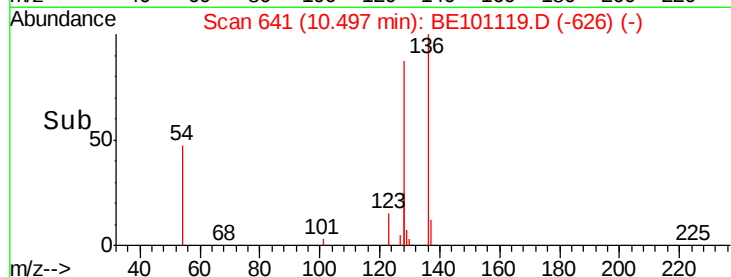


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.486 ng

RT: 8.82 min Scan# 512

Delta R.T. -0.05 min

Lab File: BE101119.D

Acq: 22 Jan 2020 17:55

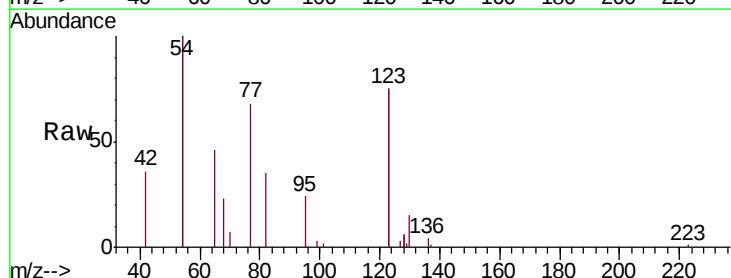
Tgt Ion: 82 Resp: 4646

Ion Ratio Lower Upper

82 100

128 34.1 109.8 164.6#

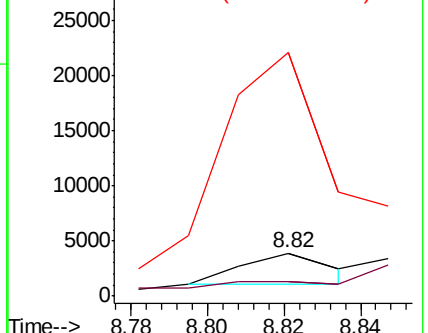
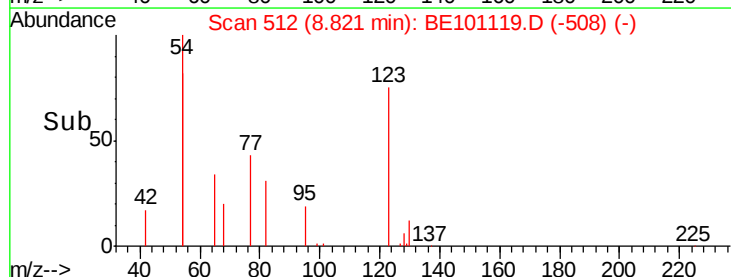
54 564.9 174.5 261.7#



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: 332.243 ng

RT: 10.55 min Scan# 645

Delta R.T. -0.00 min

Lab File: BE101119.D

Acq: 22 Jan 2020 17:55

Instrument :

BNA_E

ClientSampleId :

SB-MW-16

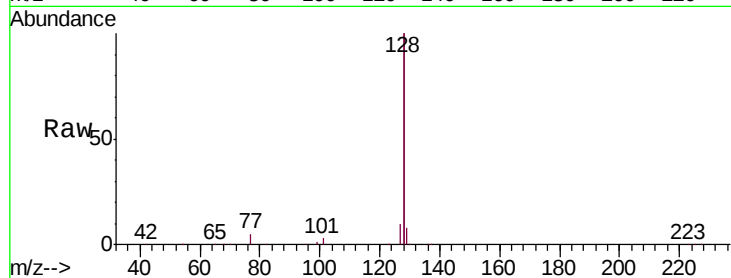
Tgt Ion:128 Resp:49327139

Ion Ratio Lower Upper

128 100

129 4.0 2.3 3.5#

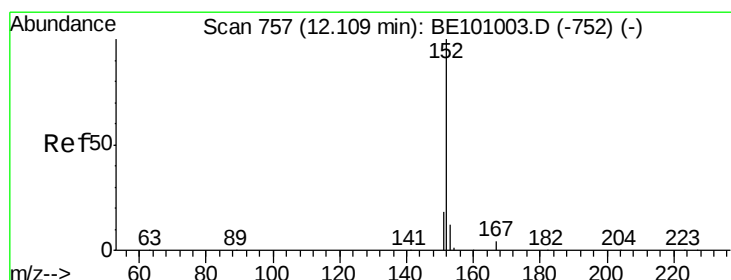
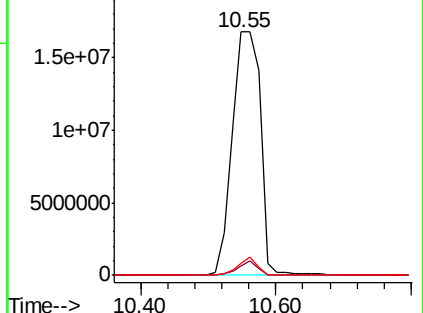
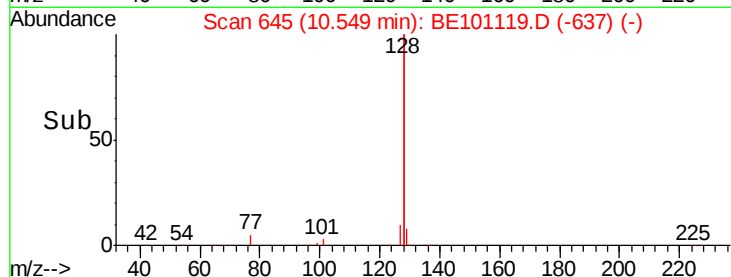
127 5.1 2.7 4.1#



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



#11

2-Methylnaphthalene-d10

Concen: 0.398 ng

RT: 12.09 min Scan# 755

Delta R.T. -0.02 min

Lab File: BE101119.D

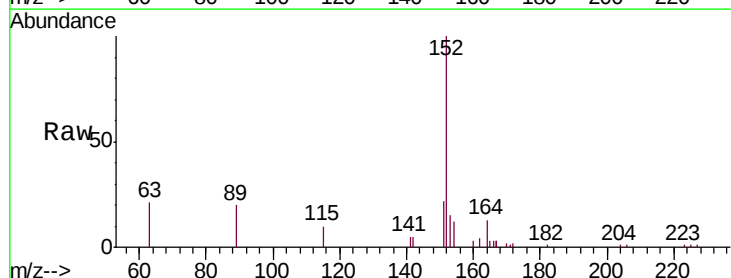
Acq: 22 Jan 2020 17:55

Tgt Ion:152 Resp: 10162

Ion Ratio Lower Upper

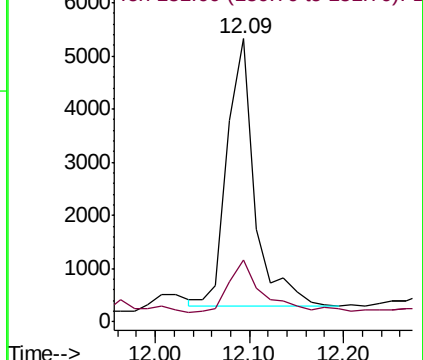
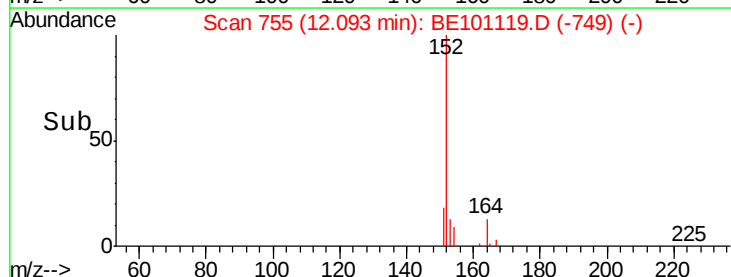
152 100

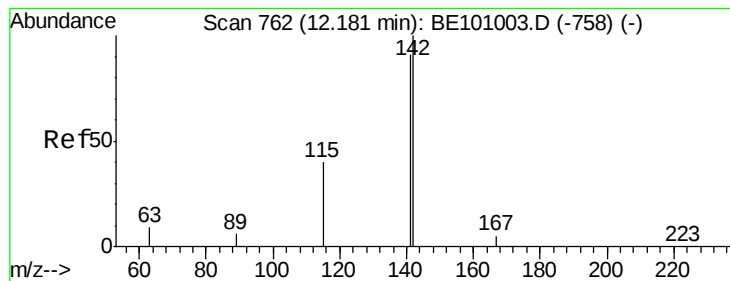
151 23.5 15.0 22.6#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E





#12

2-Methylnaphthalene

Concen: 14.555 ng

RT: 12.17 min Scan# 760

Delta R.T. -0.02 min

Lab File: BE101119.D

Acq: 22 Jan 2020 17:55

Instrument :

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ClientSampleId :

SB-MW-16

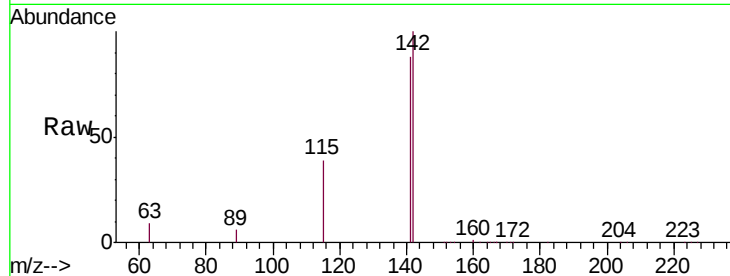
Tgt Ion:142 Resp: 326860

Ion Ratio Lower Upper

142 100

141 88.5 72.5 108.7

115 38.8 33.0 49.6

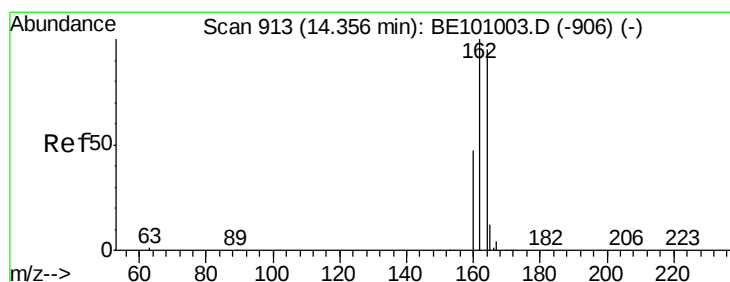
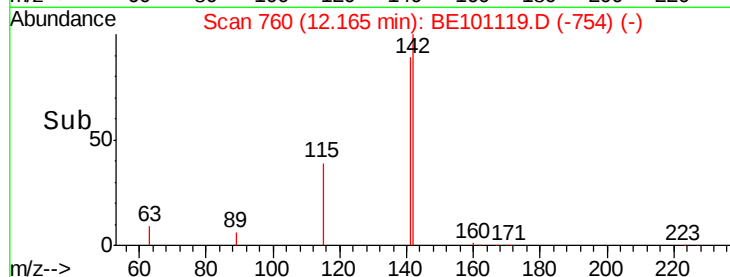
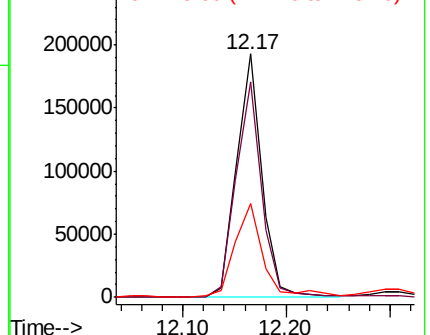


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.36 min Scan# 912

Delta R.T. -0.00 min

Lab File: BE101119.D

Acq: 22 Jan 2020 17:55

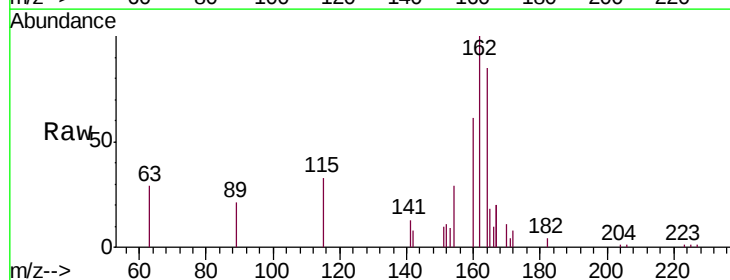
Tgt Ion:164 Resp: 14794

Ion Ratio Lower Upper

164 100

162 117.6 84.1 126.1

160 71.9 40.4 60.6#

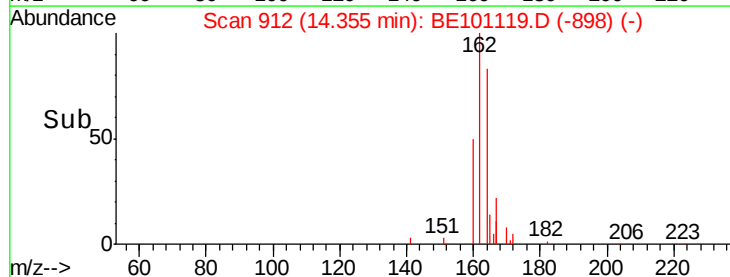
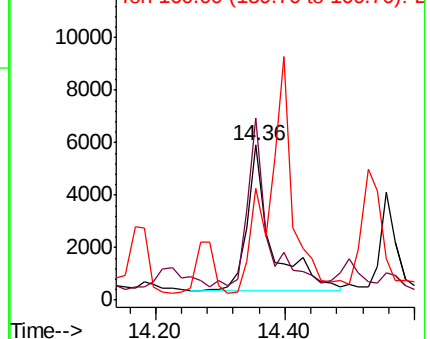


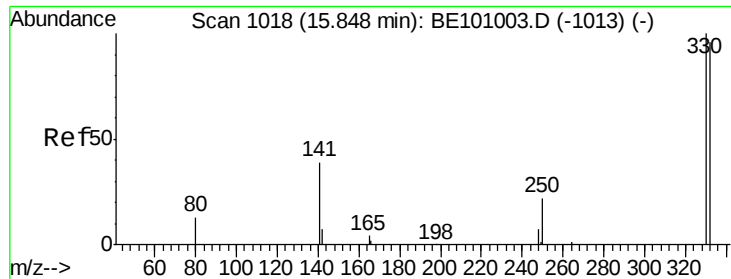
Abundance

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

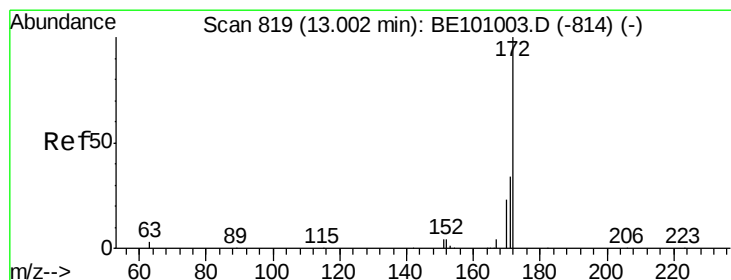
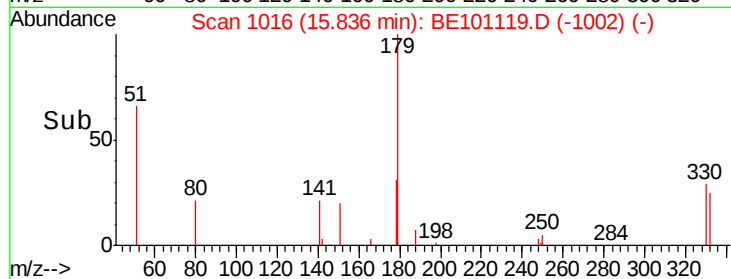
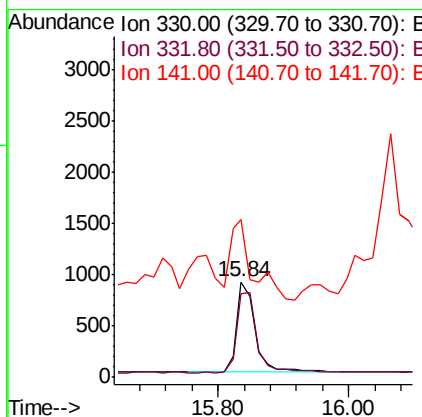
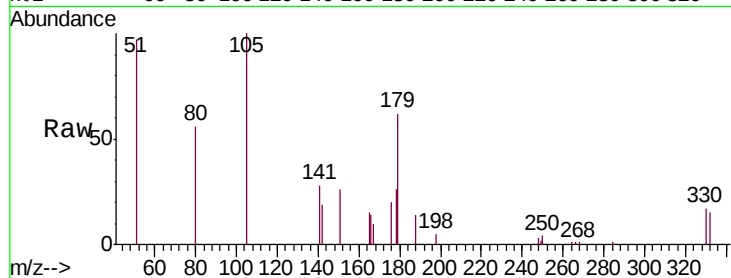




#14
 2,4,6-Tribromophenol
 Concen: 0.429 ng
 RT: 15.84 min Scan# 1016
 Delta R.T. -0.01 min
 Lab File: BE101119.D
 Acq: 22 Jan 2020 17:55

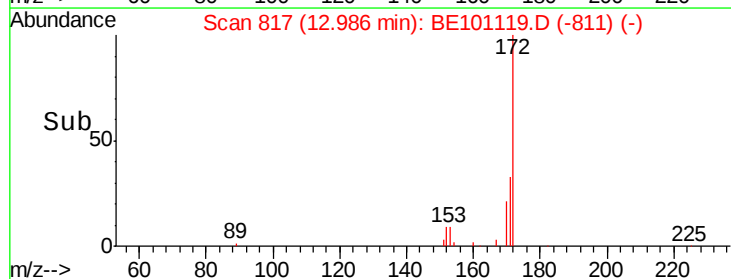
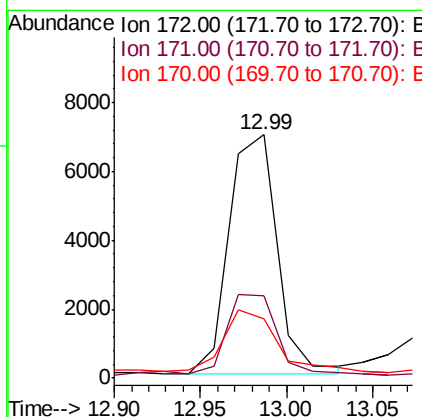
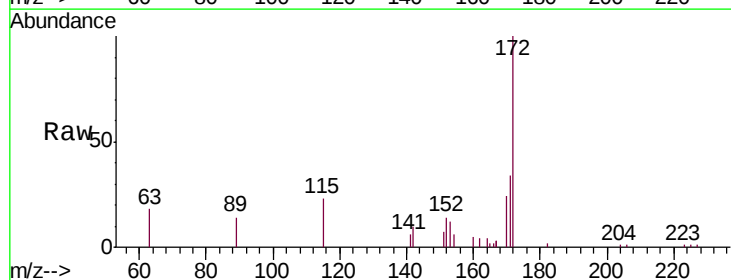
Instrument :
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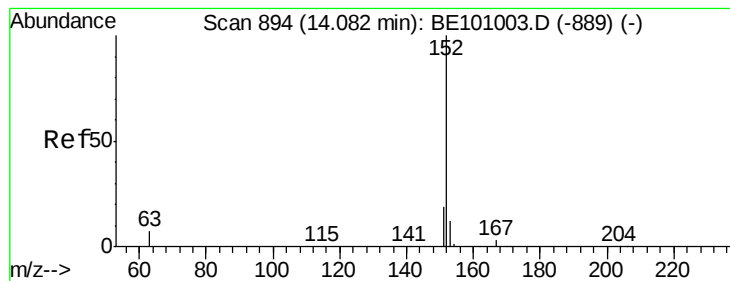
Tgt Ion:330 Resp: 1793
 Ion Ratio Lower Upper
 330 100
 332 95.2 78.4 117.6
 141 101.1 37.0 55.4#



#15
 2-Fluorobiphenyl
 Concen: 0.240 ng
 RT: 12.99 min Scan# 817
 Delta R.T. -0.02 min
 Lab File: BE101119.D
 Acq: 22 Jan 2020 17:55

Tgt Ion:172 Resp: 13473
 Ion Ratio Lower Upper
 172 100
 171 33.8 28.2 42.2
 170 24.1 18.9 28.3





#16

Acenaphthylene

Concen: 0.420 ng

RT: 14.08 min Scan# 893

Delta R.T. -0.00 min

Lab File: BE101119.D

Acq: 22 Jan 2020 17:55

Instrument :

BNA_E

ClientSampleId :

SB-MW-16

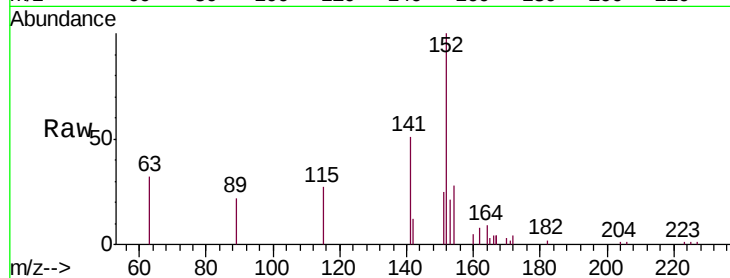
Tgt Ion:152 Resp: 25332

Ion Ratio Lower Upper

152 100

151 26.0 15.5 23.3#

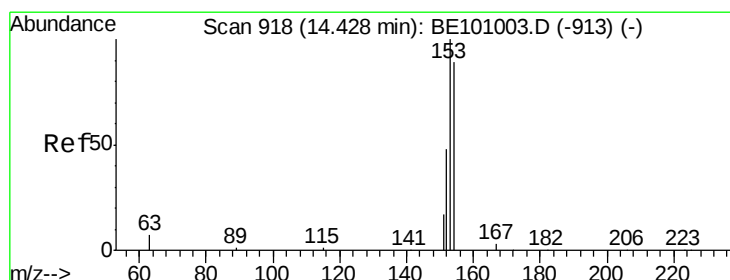
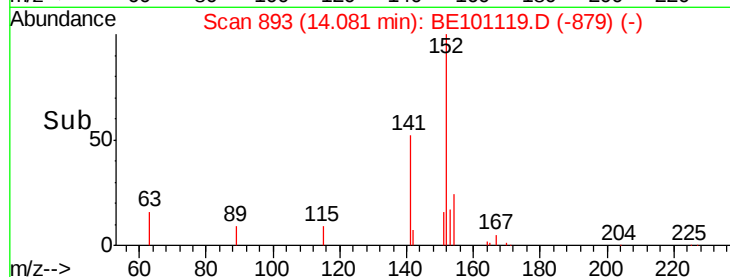
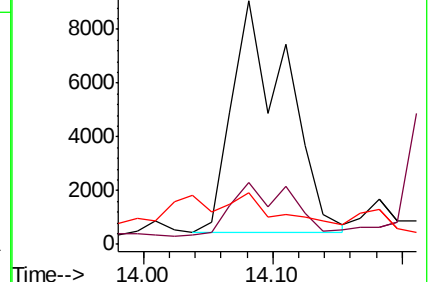
153 0.0 10.4 15.6#



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: 0.893 ng

RT: 14.41 min Scan# 916

Delta R.T. -0.02 min

Lab File: BE101119.D

Acq: 22 Jan 2020 17:55

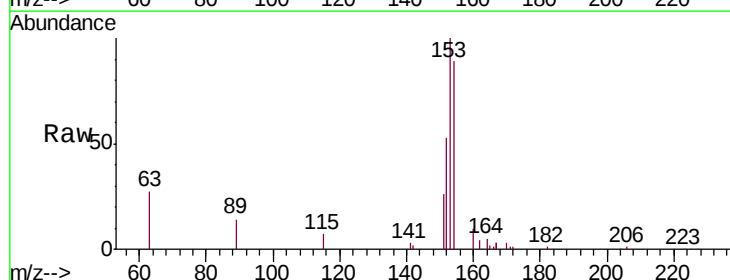
Tgt Ion:154 Resp: 38521

Ion Ratio Lower Upper

154 100

153 109.8 93.6 140.4

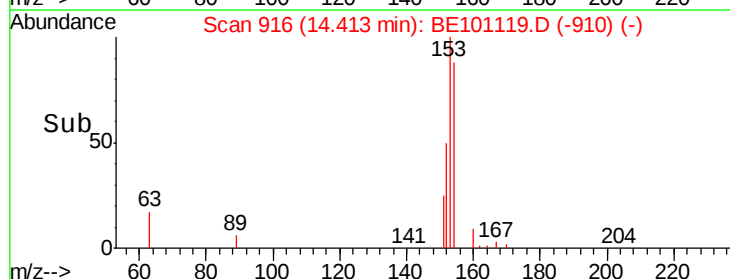
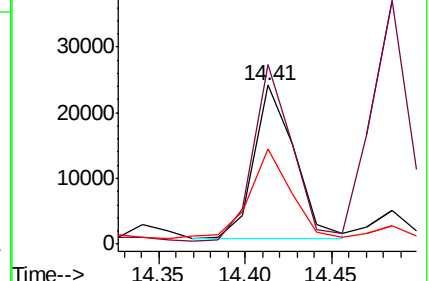
152 61.0 46.3 69.5

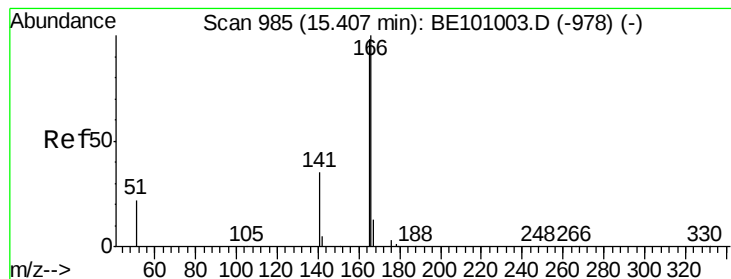


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#18

Fluorene

Concen: 3.331 ng

RT: 15.39 min Scan# 983

Delta R.T. -0.01 min

Lab File: BE101119.D

Acq: 22 Jan 2020 17:55

Instrument :

BNA_E

ClientSampleId :

SB-MW-16

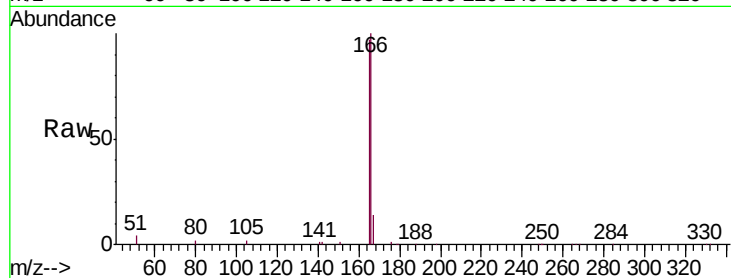
Tgt Ion:166 Resp: 181604

Ion Ratio Lower Upper

166 100

165 97.9 79.8 119.8

167 14.2 11.0 16.6

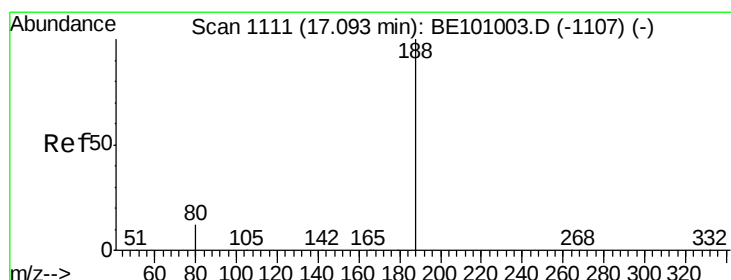
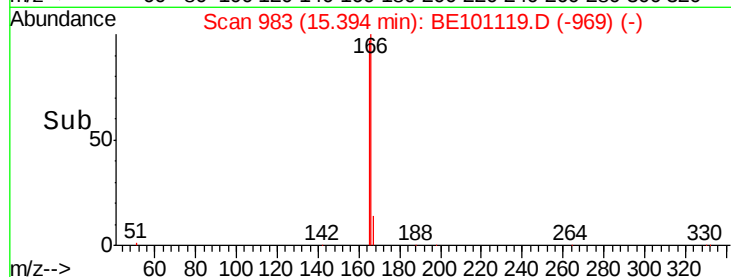
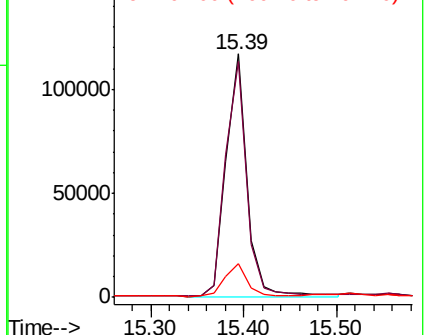


Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.09 min Scan# 1110

Delta R.T. 0.00 min

Lab File: BE101119.D

Acq: 22 Jan 2020 17:55

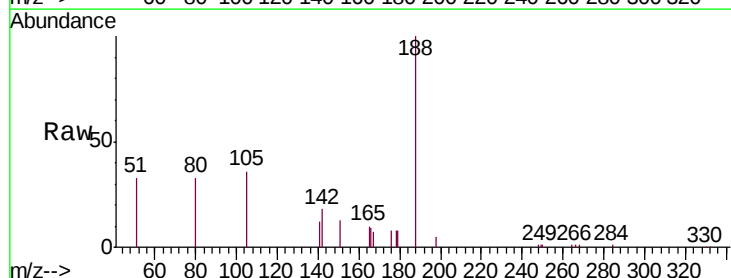
Tgt Ion:188 Resp: 18046

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 33.2 10.8 16.2#

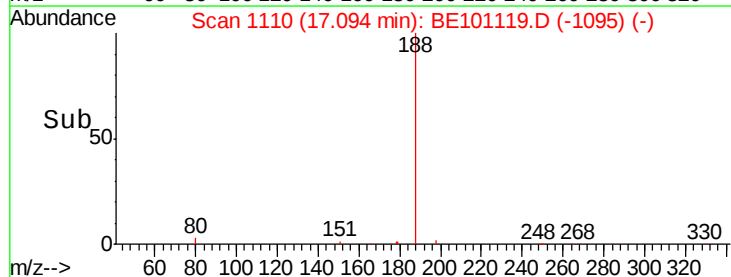
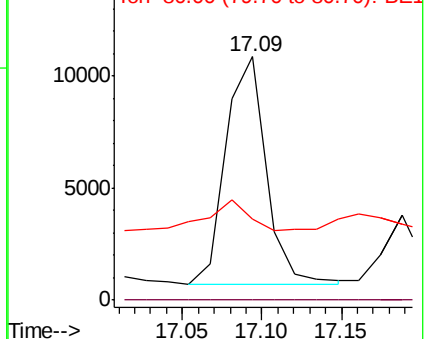


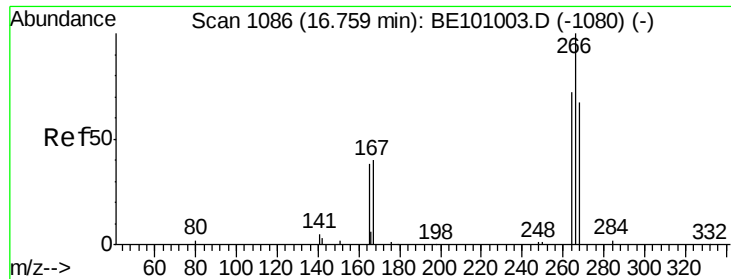
Abundance

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

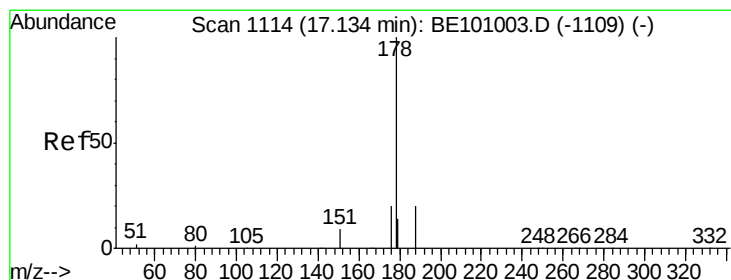
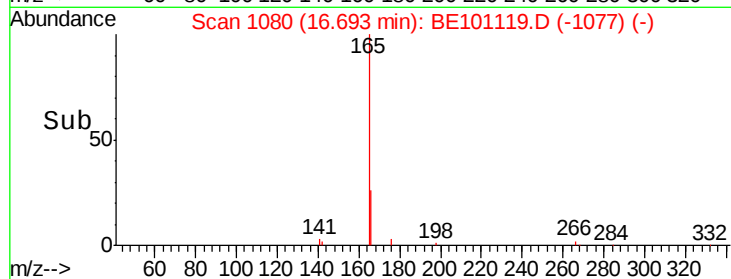
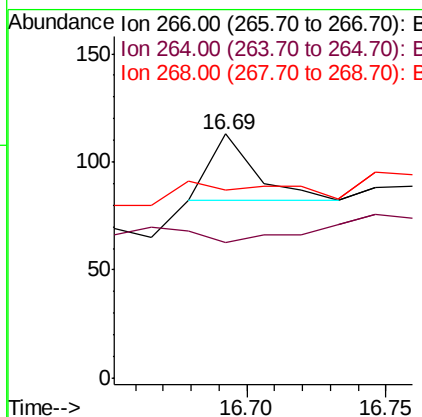
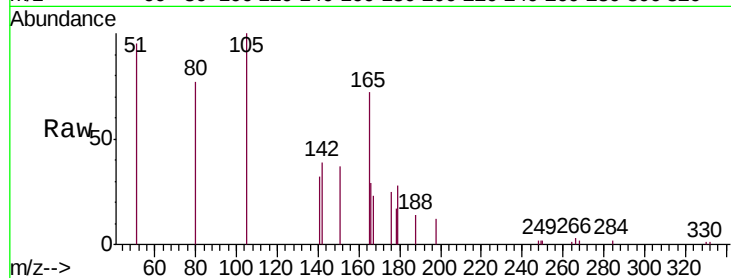




#22
 Pentachlorophenol
 Concen: 0.260 ng
 RT: 16.69 min Scan# 1080
 Delta R.T. -0.07 min
 Lab File: BE101119.D
 Acq: 22 Jan 2020 17:55

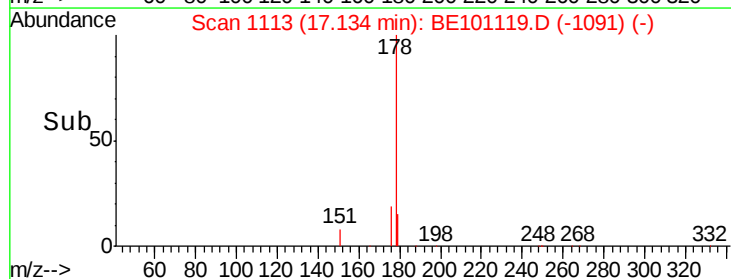
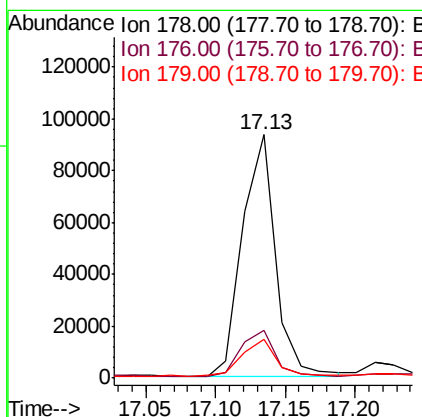
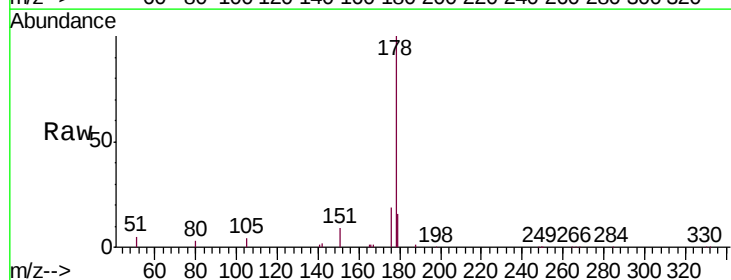
Instrument :
 BNA_E
 ClientSampleId :
 SB-MW-16

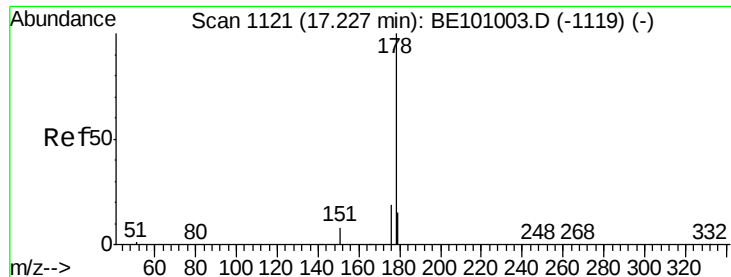
Tgt Ion: 266 Resp: 35
 Ion Ratio Lower Upper
 266 100
 264 55.8 61.0 91.4#
 268 77.0 58.5 87.7



#23
 Phenanthrene
 Concen: 3.112 ng
 RT: 17.13 min Scan# 1113
 Delta R.T. 0.00 min
 Lab File: BE101119.D
 Acq: 22 Jan 2020 17:55

Tgt Ion: 178 Resp: 153369
 Ion Ratio Lower Upper
 178 100
 176 19.4 15.7 23.5
 179 16.8 12.0 18.0





#24

Anthracene

Concen: 3.298 ng

RT: 17.13 min Scan# 1113

Delta R.T. -0.09 min

Lab File: BE101119.D

Acq: 22 Jan 2020 17:55

Instrument :

BNA_E

ClientSampleId :

SB-MW-16

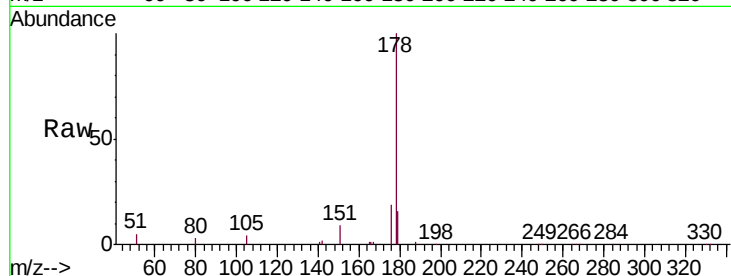
Tgt Ion:178 Resp: 153369

Ion Ratio Lower Upper

178 100

176 19.4 14.8 22.2

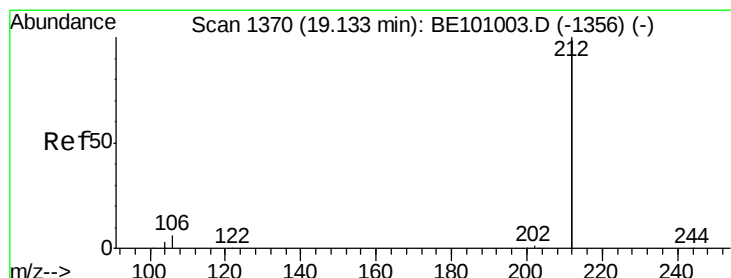
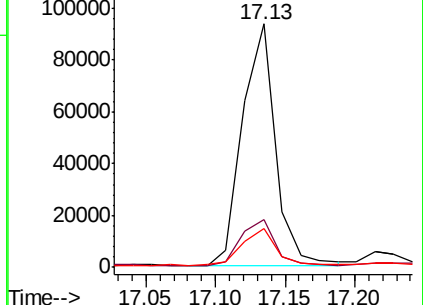
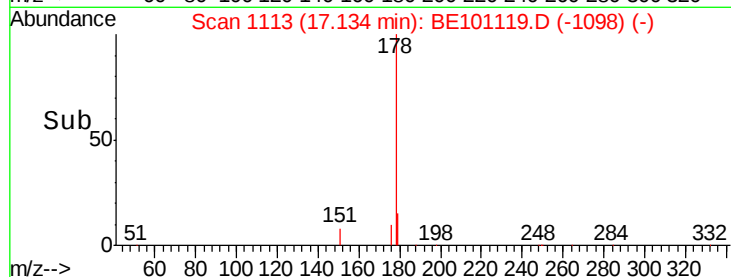
179 16.8 12.4 18.6



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



#25

Fluoranthene-d10

Concen: 0.380 ng

RT: 19.14 min Scan# 1371

Delta R.T. 0.01 min

Lab File: BE101119.D

Acq: 22 Jan 2020 17:55

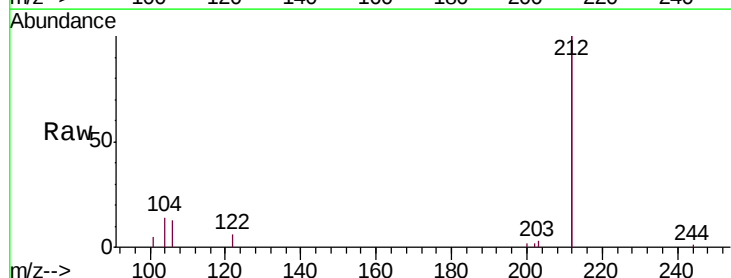
Tgt Ion:212 Resp: 95172

Ion Ratio Lower Upper

212 100

106 3.9 2.6 3.8#

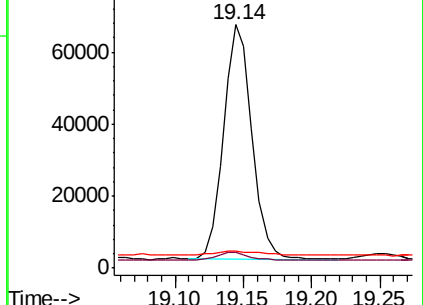
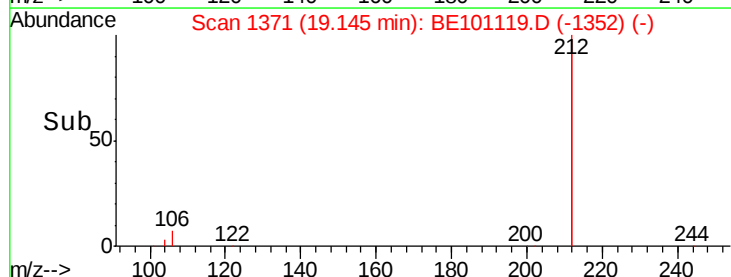
104 3.2 1.4 2.0#

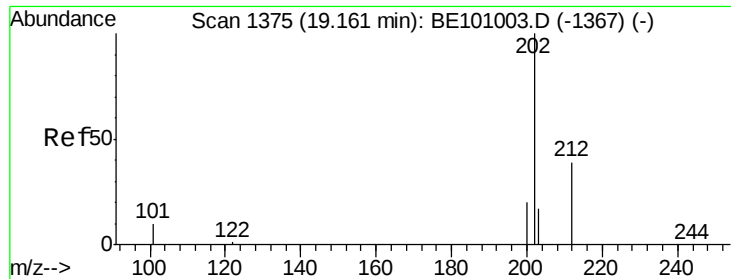


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E

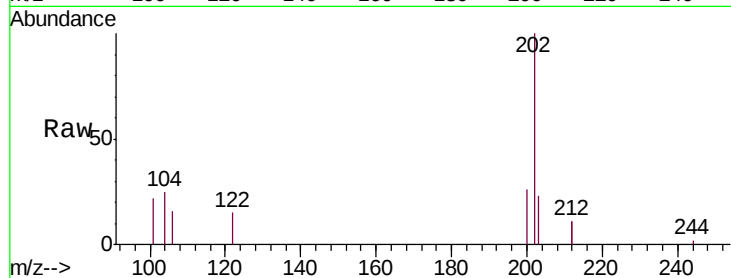




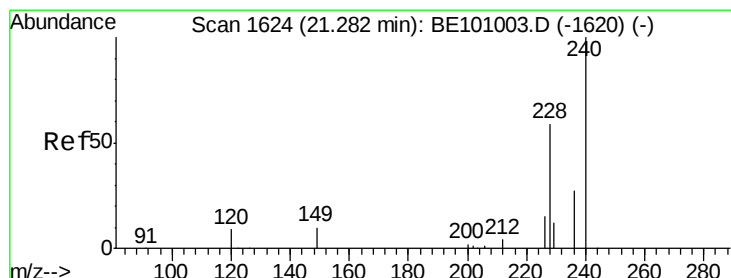
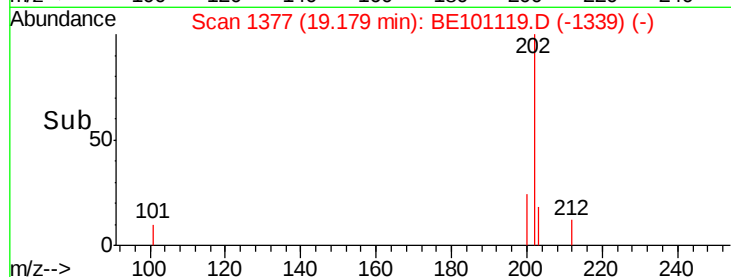
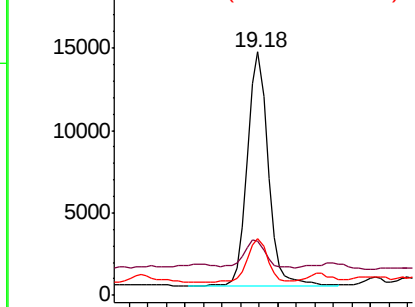
#26
Fluoranthene
Concen: 0.362 ng
RT: 19.18 min Scan# 1377
Delta R.T. 0.02 min
Lab File: BE101119.D
Acq: 22 Jan 2020 17:55

Instrument :
BNA_E
ClientSampleId :
SB-MW-16

Tgt Ion: 202 Resp: 22361
Ion Ratio Lower Upper
202 100
101 12.7 9.6 14.4
203 18.7 13.8 20.6

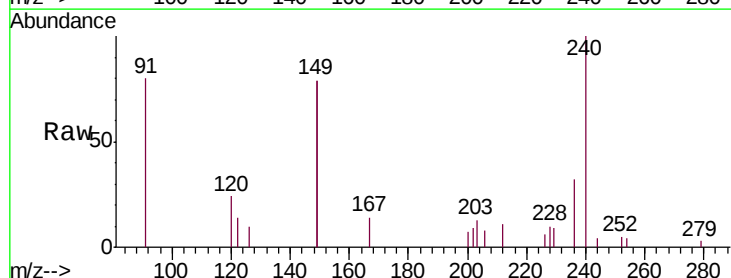


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

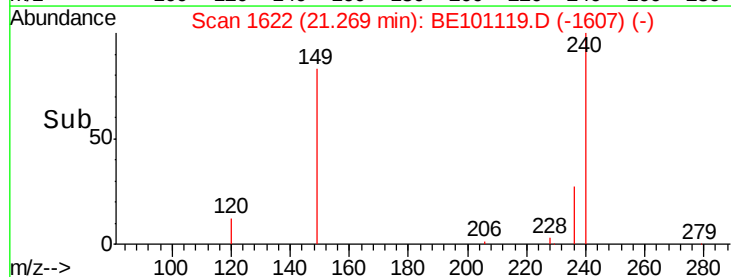
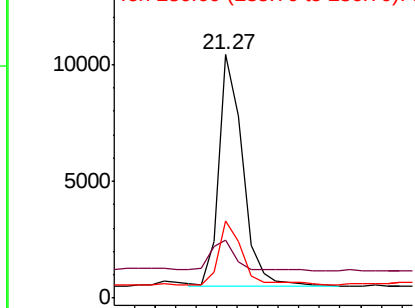


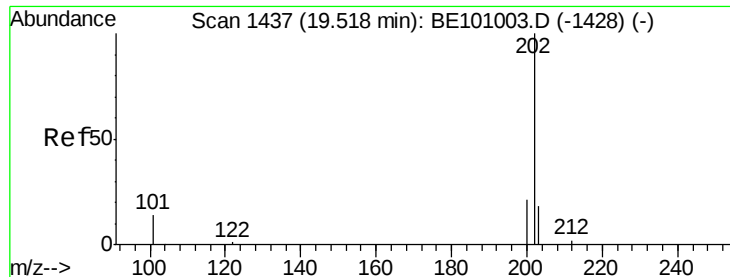
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.27 min Scan# 1622
Delta R.T. -0.01 min
Lab File: BE101119.D
Acq: 22 Jan 2020 17:55

Tgt Ion: 240 Resp: 16004
Ion Ratio Lower Upper
240 100
120 24.0 8.6 13.0#
236 31.9 22.2 33.4



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: 0.266 ng

RT: 19.52 min Scan# 1437

Delta R.T. 0.01 min

Lab File: BE101119.D

Acq: 22 Jan 2020 17:55

Instrument :

BNA_E

ClientSampleId :

SB-MW-16

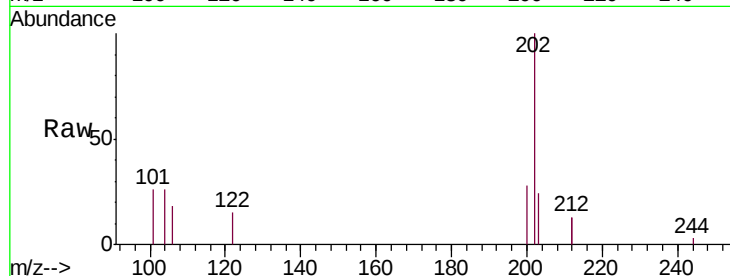
Tgt Ion:202 Resp: 15849

Ion Ratio Lower Upper

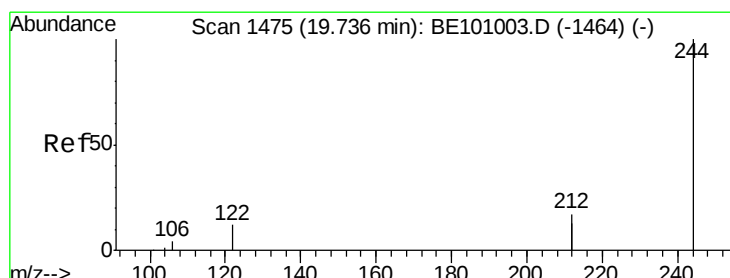
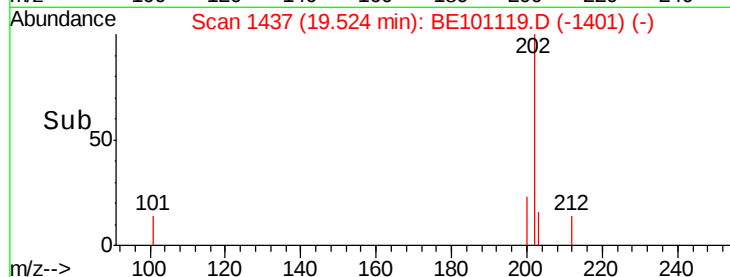
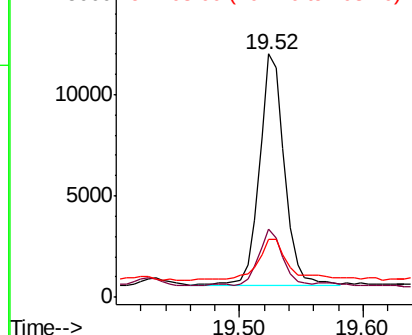
202 100

200 22.6 17.0 25.4

203 22.8 13.8 20.6#



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: 0.500 ng

RT: 19.72 min Scan# 1472

Delta R.T. -0.01 min

Lab File: BE101119.D

Acq: 22 Jan 2020 17:55

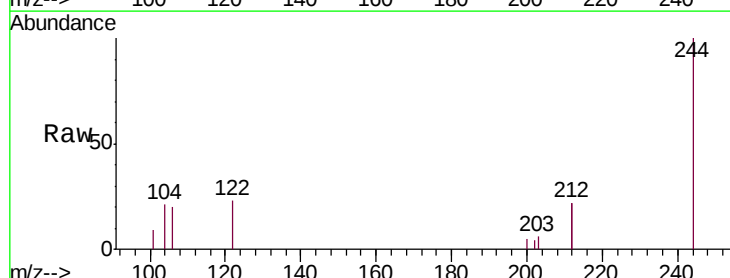
Tgt Ion:244 Resp: 19629

Ion Ratio Lower Upper

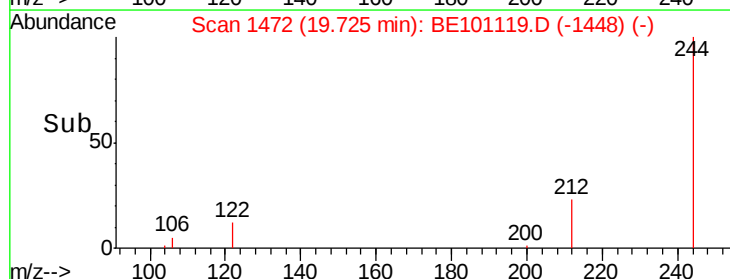
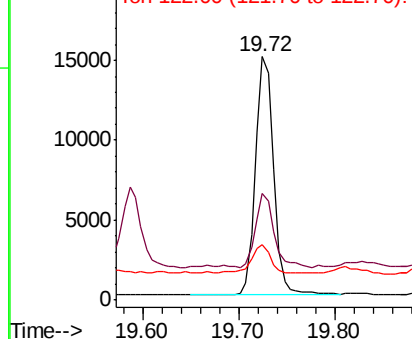
244 100

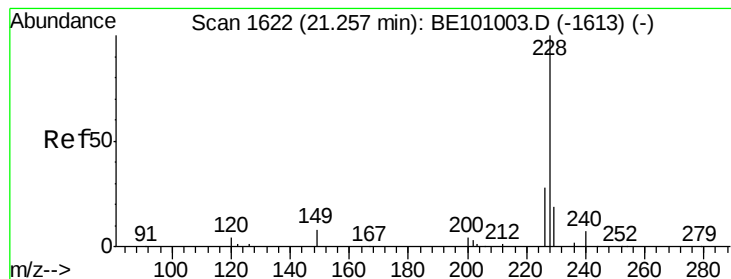
212 44.0 27.2 40.8#

122 23.0 9.8 14.8#



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: 0.033 ng

RT: 21.26 min Scan# 1621

Delta R.T. -0.00 min

Lab File: BE101119.D

Acq: 22 Jan 2020 17:55

Instrument :

BNA_E

ClientSampleId :

SB-MW-16

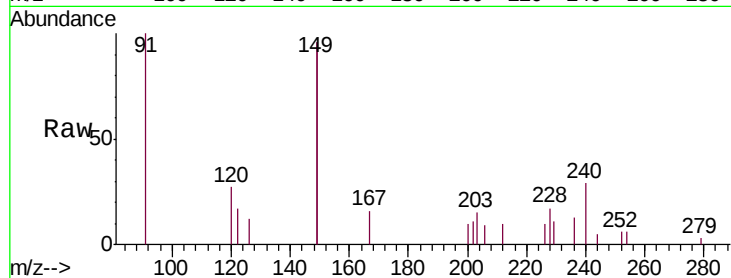
Tgt Ion:228 Resp: 1511

Ion Ratio Lower Upper

228 100

226 55.7 22.7 34.1#

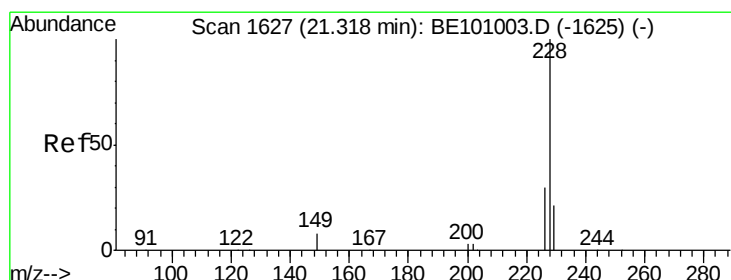
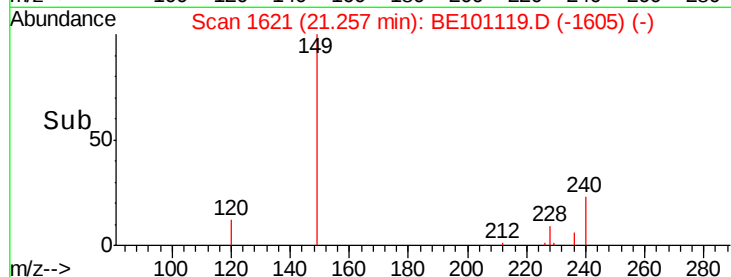
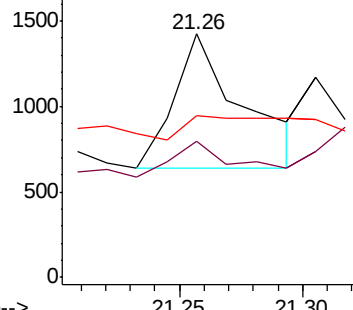
229 66.6 15.5 23.3#



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: 0.022 ng

RT: 21.26 min Scan# 1621

Delta R.T. -0.06 min

Lab File: BE101119.D

Acq: 22 Jan 2020 17:55

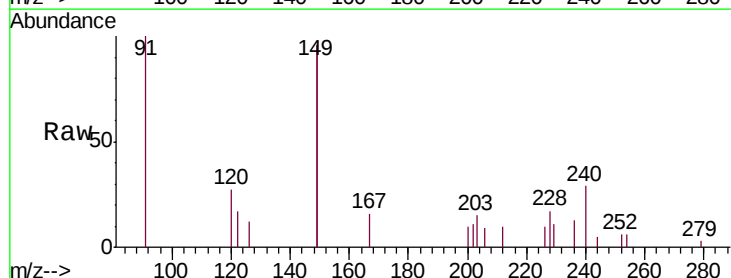
Tgt Ion:228 Resp: 1511

Ion Ratio Lower Upper

228 100

226 55.7 23.5 35.3#

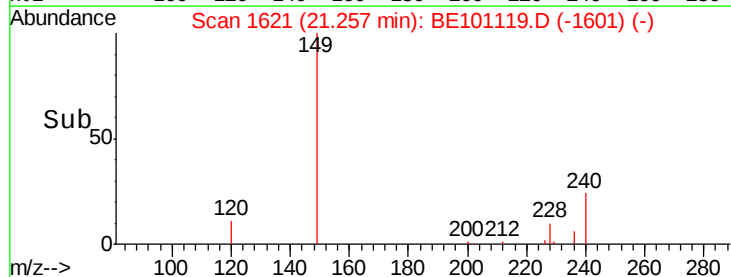
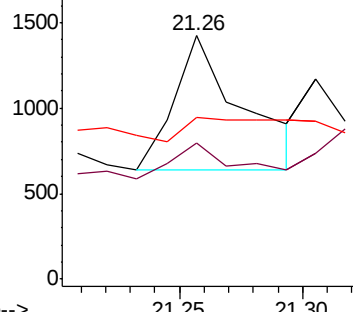
229 66.6 16.7 25.1#

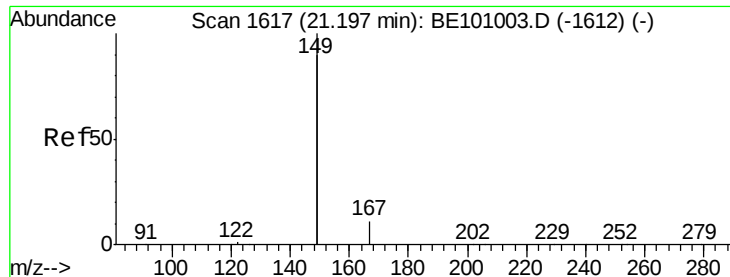


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

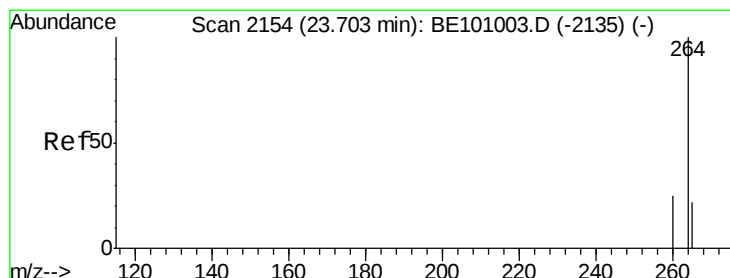
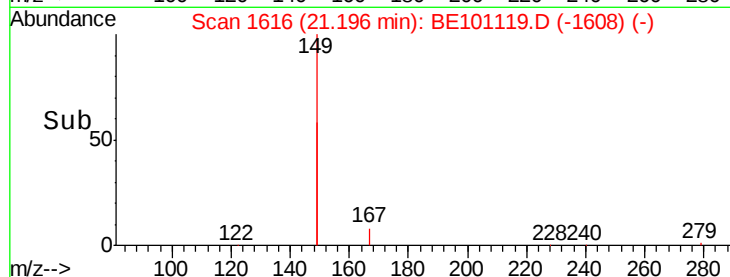
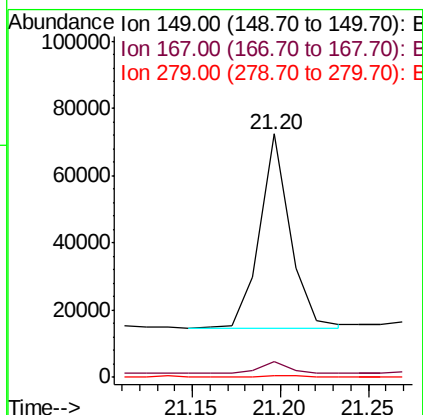
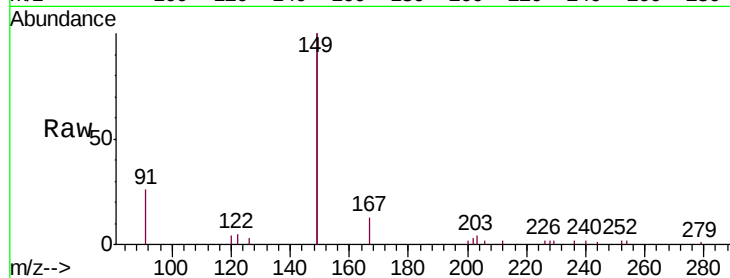




#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.910 ng
 RT: 21.20 min Scan# 1616
 Delta R.T. -0.00 min
 Lab File: BE101119.D
 Acq: 22 Jan 2020 17:55

Instrument :
 BNA_E
 ClientSampleId :
 SB-MW-16

Tgt Ion:149 Resp: 69250
 Ion Ratio Lower Upper
 149 100
 167 5.2 5.2 7.8
 279 0.7 0.8 1.2#



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.70 min Scan# 2152
 Delta R.T. -0.00 min
 Lab File: BE101119.D
 Acq: 22 Jan 2020 17:55

Tgt Ion:264 Resp: 17857
 Ion Ratio Lower Upper
 264 100
 260 25.3 20.3 30.5
 265 30.2 27.0 40.4

