

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE062019\
 Data File : BE100108.D
 Acq On : 20 Jun 2019 14:50
 Operator : JU/SJ
 Sample : K3345-08
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 MW-5 061219

Quant Time: Jun 21 01:44:39 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	571	0.40	ng	-0.01
7) Naphthalene-d8	10.52	136	1997	0.40	ng	-0.01
13) Acenaphthene-d10	14.41	164	1491	0.40	ng	0.00
19) Phenanthrene-d10	17.16	188	4723	0.40	ng	0.00
27) Chrysene-d12	21.34	240	8004	0.40	ng	0.00
34) Perylene-d12	23.83	264	10232	0.40	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.31	112	213	0.18	ng	0.00
5) Phenol-d6	6.93	99	163	0.10	ng	0.00
8) Nitrobenzene-d5	8.91	82	648	0.33	ng	0.00
11) 2-Methylnaphthalene-d10	12.14	152	136	0.04	ng	-0.01
14) 2,4,6-Tribromophenol	15.92	330	333	0.40	ng	0.00
15) 2-Fluorobiphenyl	13.03	172	3025	0.52	ng	-0.01
25) Fluoranthene-d10	19.20	212	2539	0.04	ng	0.00
29) Terphenyl-d14	19.79	244	7565	0.47	ng	-0.02

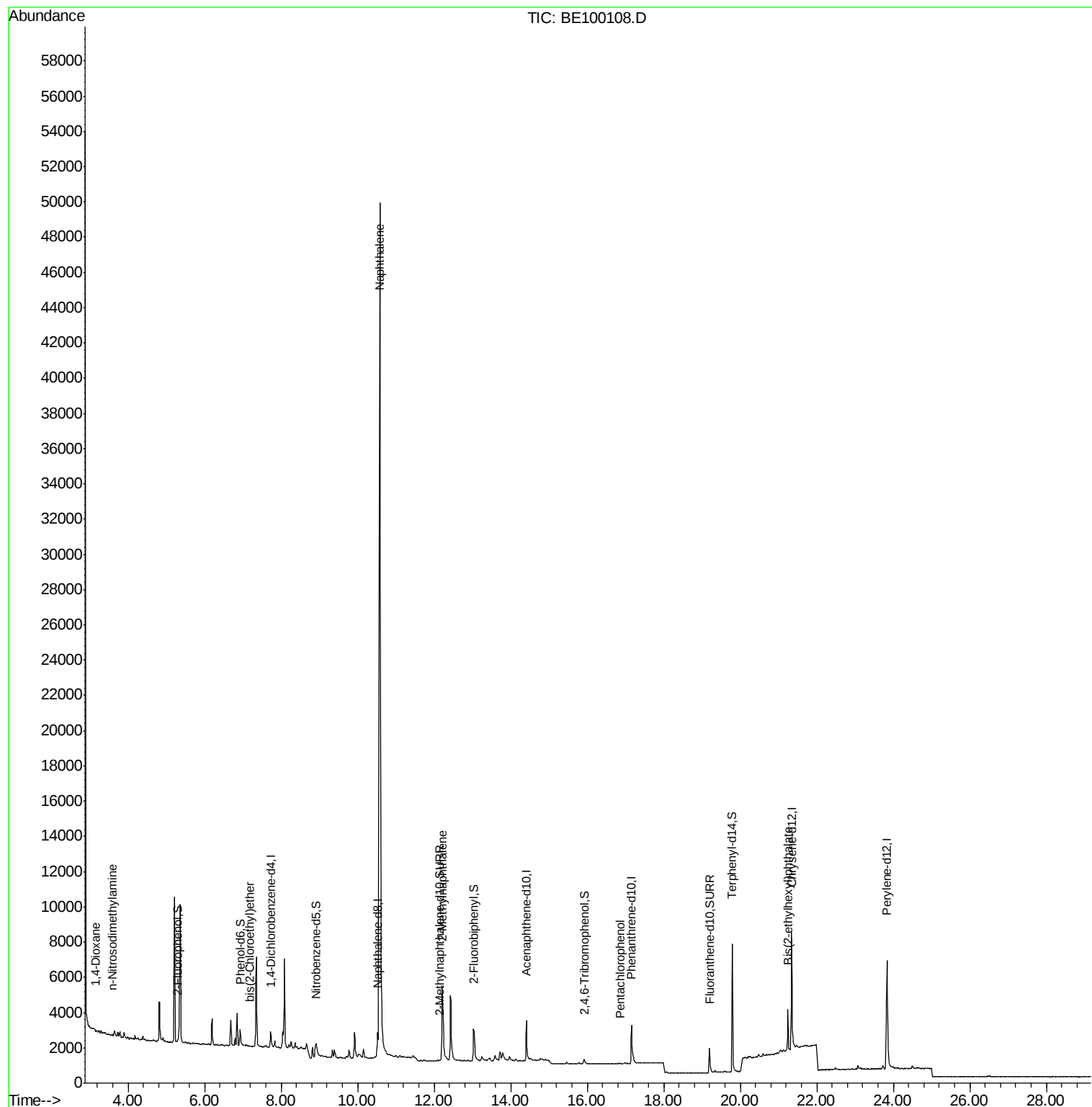
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.15	88	57	0.062	ng	# 27
3) n-Nitrosodimethylamine	3.58	42	25	0.383	ng	# 100
6) bis(2-Chloroethyl)ether	7.18	93	12	0.041	ng	# 1
9) Naphthalene	10.58	128	95173	4.386	ng	# 97
12) 2-Methylnaphthalene	12.21	142	4340	1.216	ng	95
22) Pentachlorophenol	16.85	266	18	0.260	ng	91
32) Bis(2-ethylhexyl)phthalate	21.24	149	2748	0.122	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

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BNA_E

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MW-5 061219

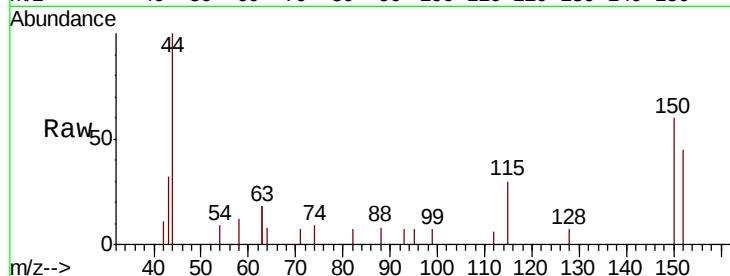
Tgt Ion: 152 Resp: 571

Ion Ratio Lower Upper

152 100

150 133.1 99.8 149.8

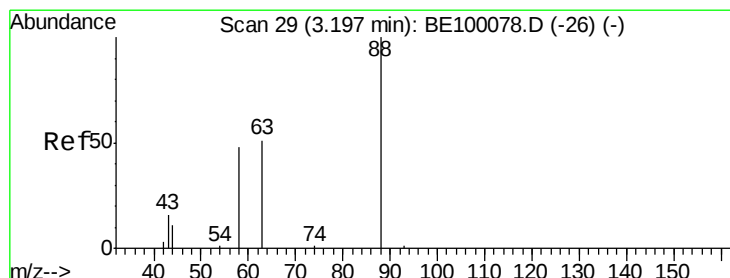
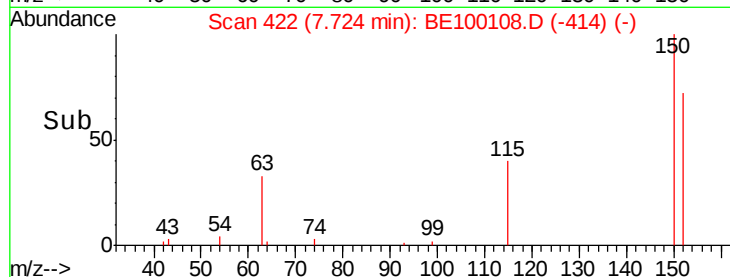
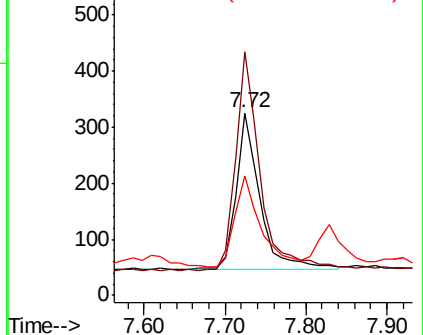
115 65.3 51.3 76.9



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



#2

1,4-Dioxane

Concen: 0.062 ng

RT: 3.15 min Scan# 25

Delta R.T. -0.04 min

Lab File: BE100108.D

Acq: 20 Jun 2019 14:50

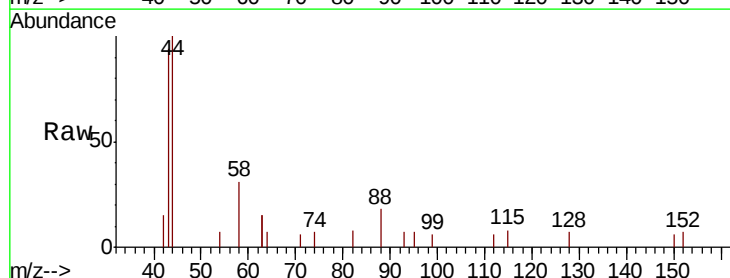
Tgt Ion: 88 Resp: 57

Ion Ratio Lower Upper

88 100

58 0.0 51.1 76.7#

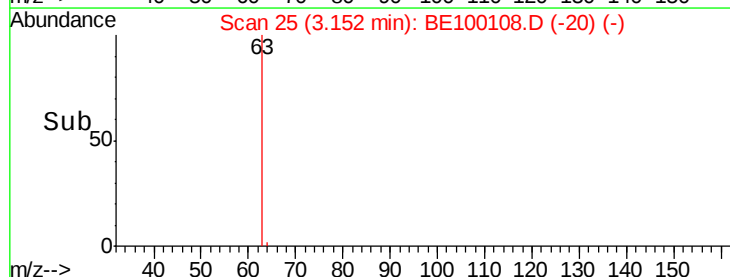
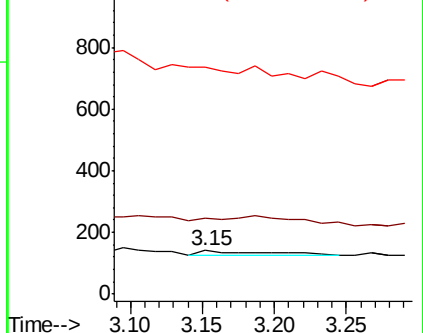
43 0.0 21.7 32.5#



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





#3

n-Nitrosodimethylamine

Concen: 0.383 ng

RT: 3.58 min Scan# 62

Delta R.T. -0.02 min

Lab File: BE100108.D

Acq: 20 Jun 2019 14:50

Instrument :

BNA_E

ClientSampleId :

MW-5_061219

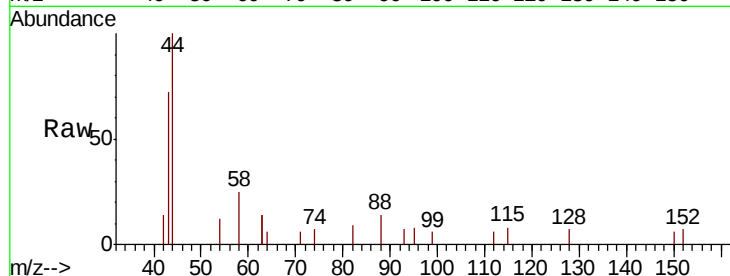
Tgt Ion: 42 Resp: 25

Ion Ratio Lower Upper

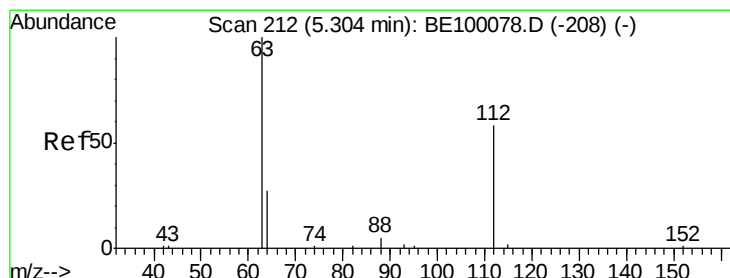
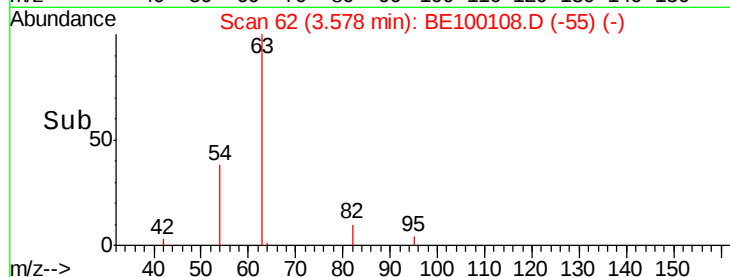
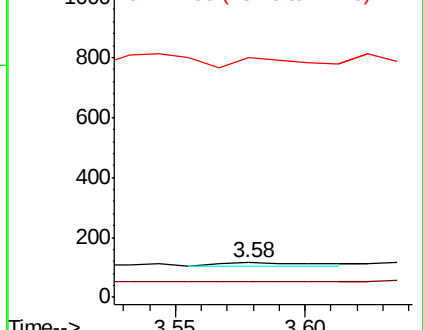
42 100

74 0.0 0.0 0.0

44 244.0 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: 0.180 ng

RT: 5.31 min Scan# 212

Delta R.T. 0.00 min

Lab File: BE100108.D

Acq: 20 Jun 2019 14:50

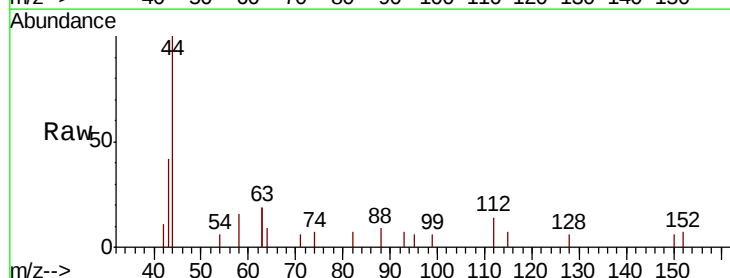
Tgt Ion: 112 Resp: 213

Ion Ratio Lower Upper

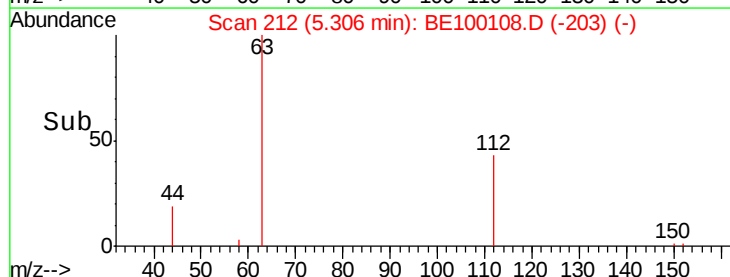
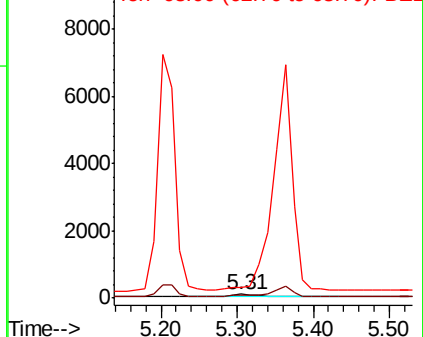
112 100

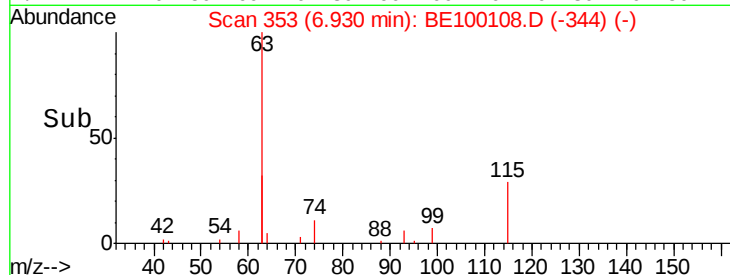
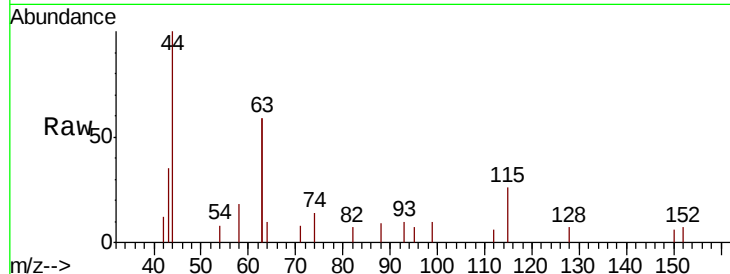
64 35.7 22.0 33.0#

63 0.0 121.8 182.6#



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





#5

Phenol-d6

Concen: 0.100 ng

RT: 6.93 min Scan# 353

Delta R.T. 0.00 min

Lab File: BE100108.D

Acq: 20 Jun 2019 14:50

Instrument :

BNA_E

ClientSampleId :

MW-5 061219

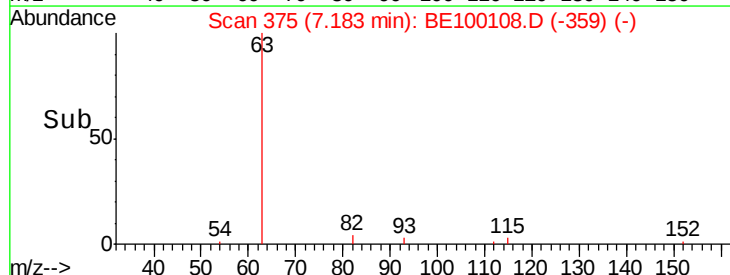
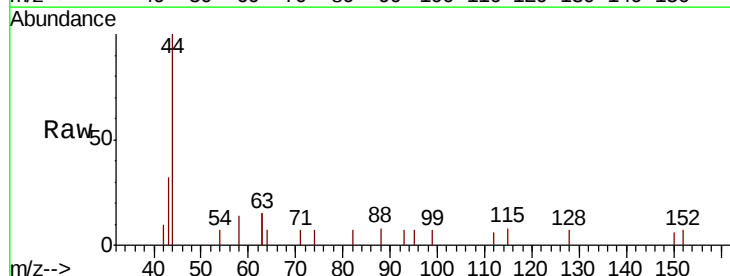
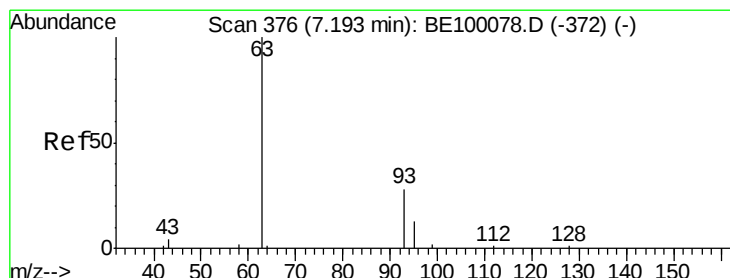
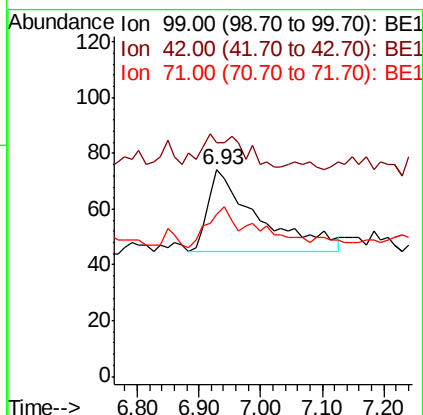
Tgt Ion: 99 Resp: 163

Ion Ratio Lower Upper

99 100

42 0.0 0.0 0.0

71 27.0 37.6 56.4#



#6

bis(2-Chloroethyl)ether

Concen: 0.041 ng

RT: 7.18 min Scan# 375

Delta R.T. -0.01 min

Lab File: BE100108.D

Acq: 20 Jun 2019 14:50

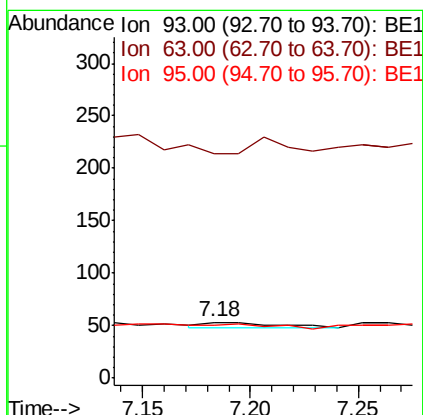
Tgt Ion: 93 Resp: 12

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: 10.52 min Scan# 643

Delta R.T. -0.01 min

Lab File: BE100108.D

Acq: 20 Jun 2019 14:50

Instrument :

BNA_E

ClientSampleId :

MW-5 061219

Tgt Ion:136 Resp: 1997

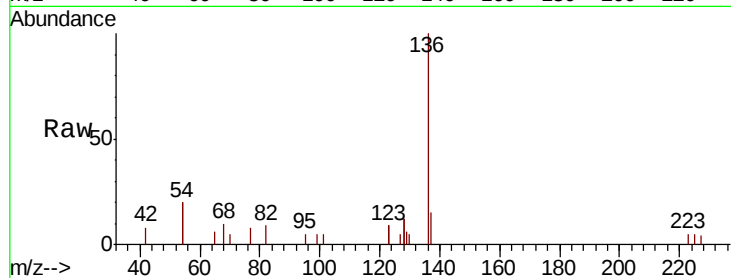
Ion Ratio Lower Upper

136 100

137 14.7 11.6 17.4

54 39.9 33.9 50.9

68 10.1 7.8 11.8

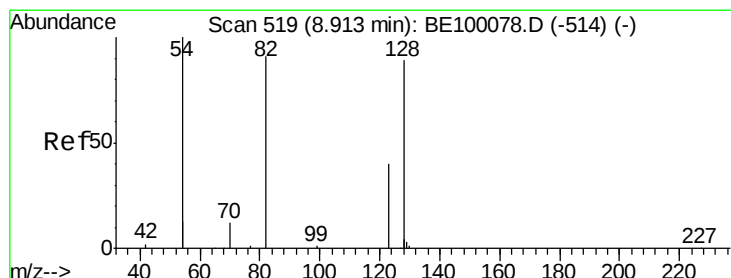
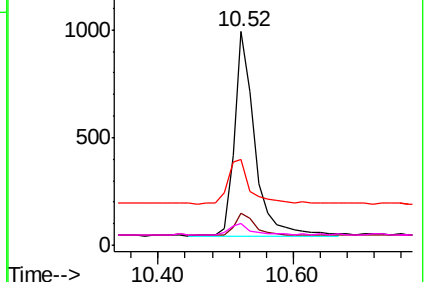
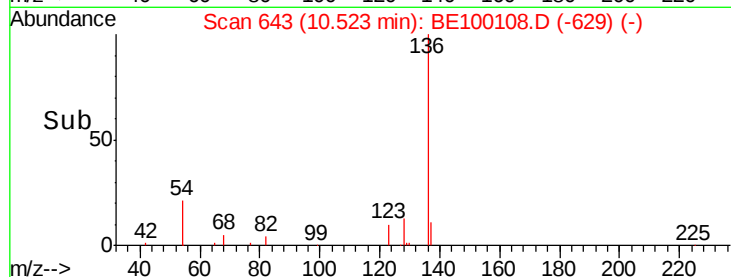


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.335 ng

RT: 8.91 min Scan# 519

Delta R.T. -0.00 min

Lab File: BE100108.D

Acq: 20 Jun 2019 14:50

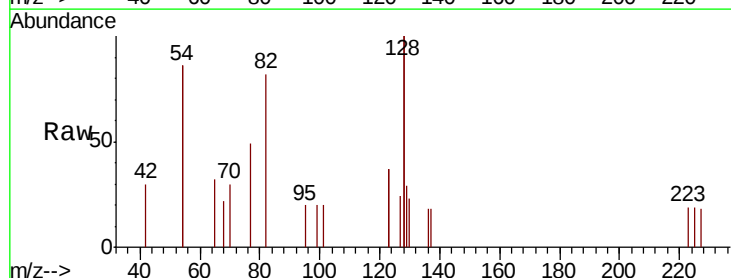
Tgt Ion: 82 Resp: 648

Ion Ratio Lower Upper

82 100

128 242.6 128.0 192.0#

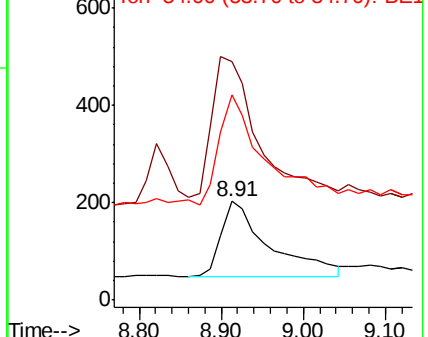
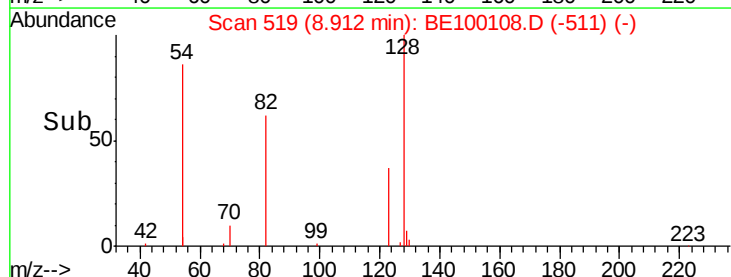
54 208.9 143.4 215.0

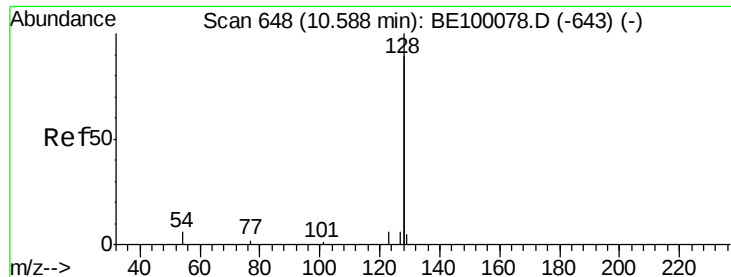


Abundance Ion 82.00 (81.70 to 82.70): BE1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE1





#9

Naphthalene

Concen: 4.386 ng

RT: 10.58 min Scan# 647

Delta R.T. -0.01 min

Lab File: BE100108.D

Acq: 20 Jun 2019 14:50

Instrument :

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ClientSampleId :

MW-5 061219

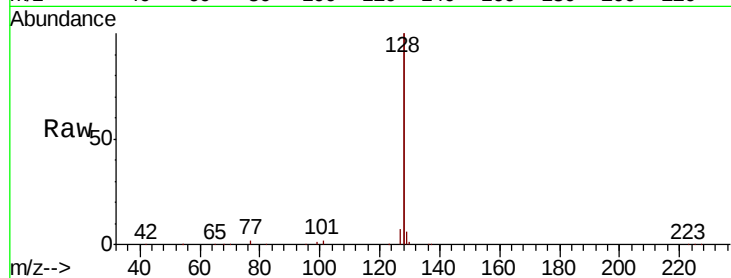
Tgt Ion:128 Resp: 95173

Ion Ratio Lower Upper

128 100

129 2.9 3.1 4.7#

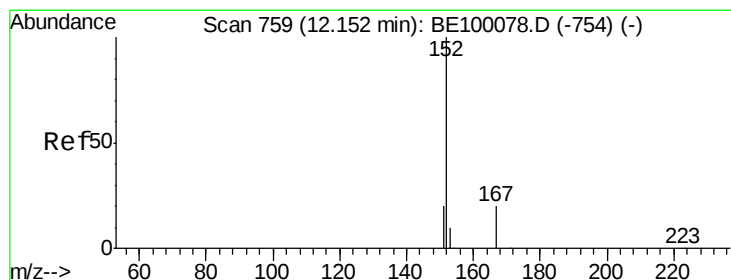
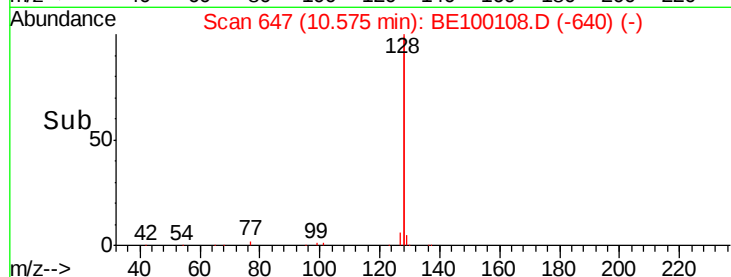
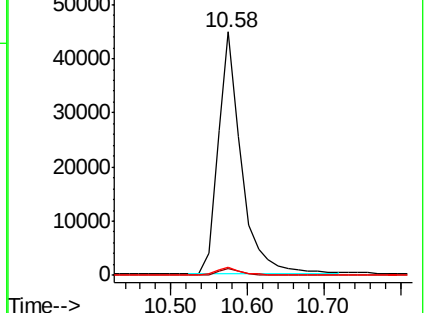
127 3.3 3.4 5.2#



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: 0.036 ng

RT: 12.14 min Scan# 758

Delta R.T. -0.01 min

Lab File: BE100108.D

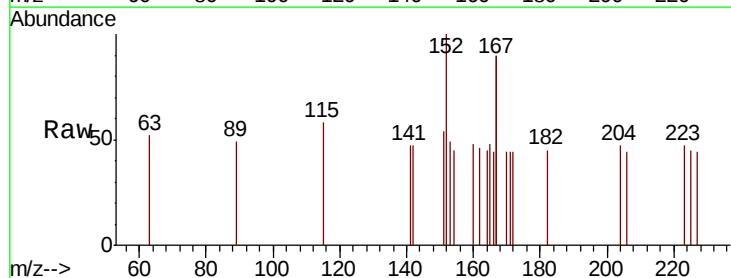
Acq: 20 Jun 2019 14:50

Tgt Ion:152 Resp: 136

Ion Ratio Lower Upper

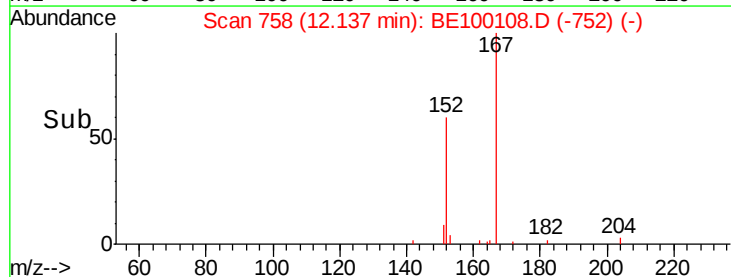
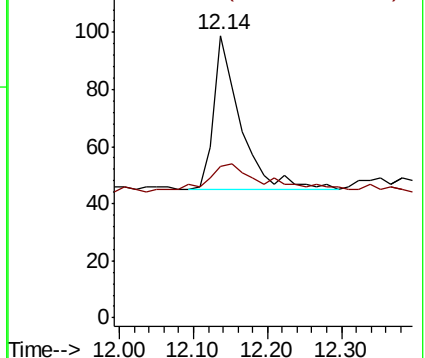
152 100

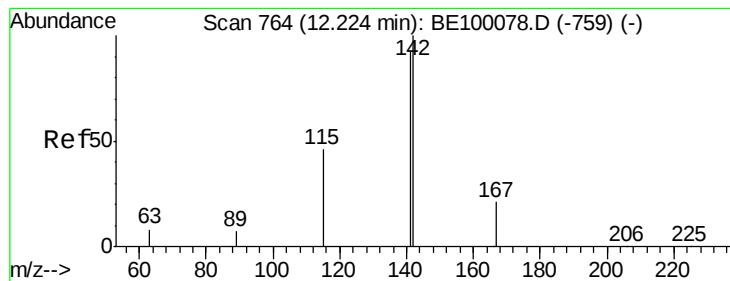
151 30.9 16.3 24.5#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E





#12

2-Methylnaphthalene

Concen: 1.216 ng

RT: 12.21 min Scan# 763

Delta R.T. -0.01 min

Lab File: BE100108.D

Acq: 20 Jun 2019 14:50

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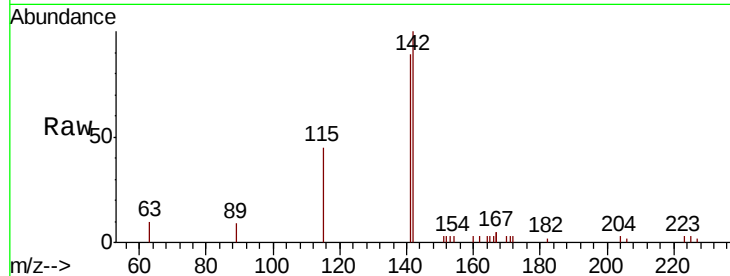
Tgt Ion:142 Resp: 4340

Ion Ratio Lower Upper

142 100

141 89.2 74.1 111.1

115 45.4 40.9 61.3

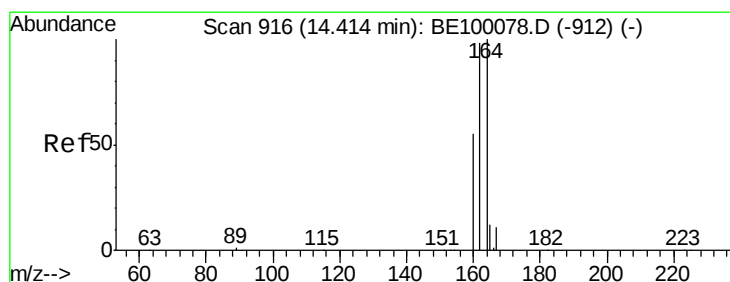
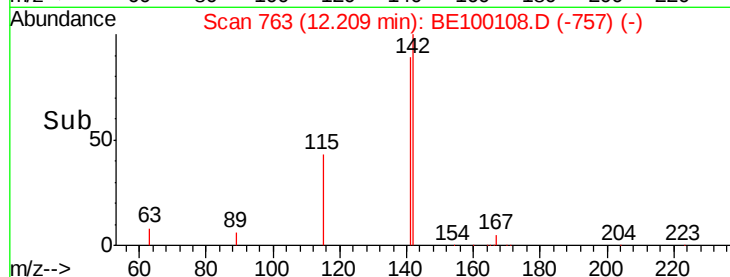
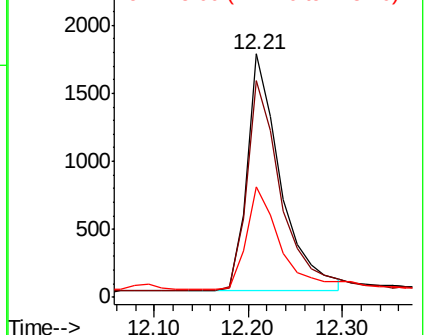


Abundance

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: 14.41 min Scan# 916

Delta R.T. -0.00 min

Lab File: BE100108.D

Acq: 20 Jun 2019 14:50

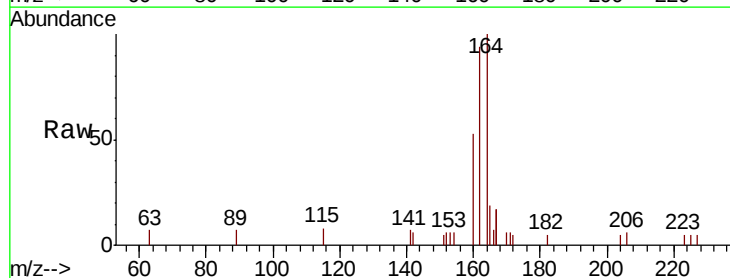
Tgt Ion:164 Resp: 1491

Ion Ratio Lower Upper

164 100

162 94.2 78.2 117.2

160 53.3 45.6 68.4

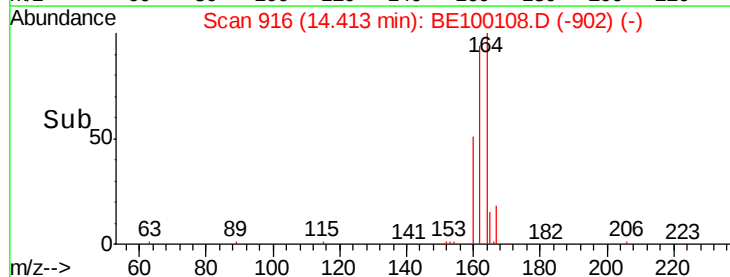
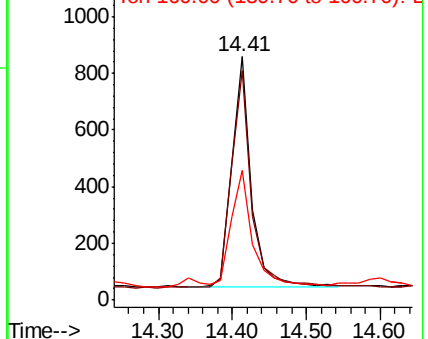


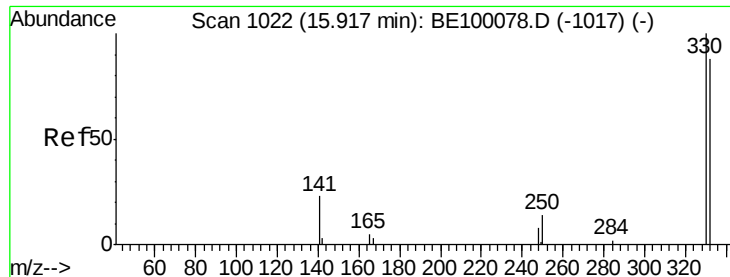
Abundance

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

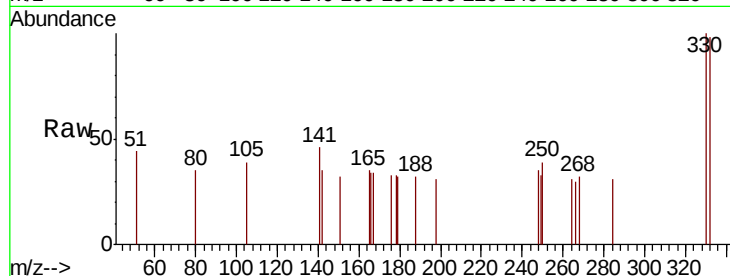




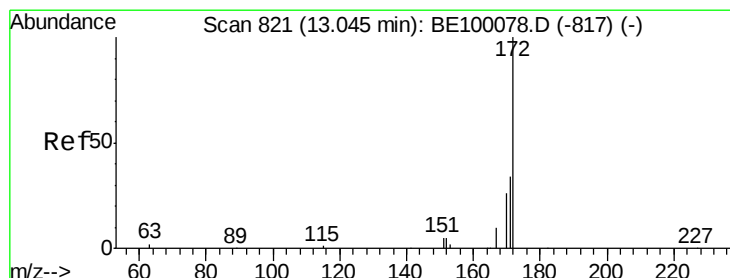
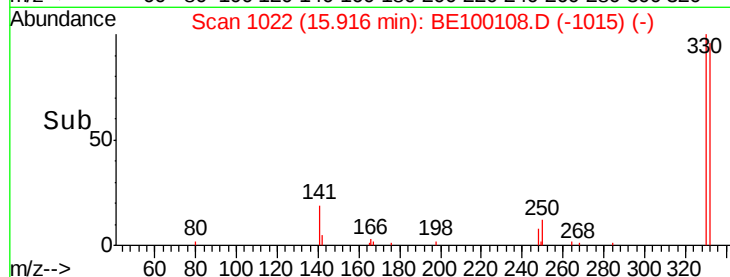
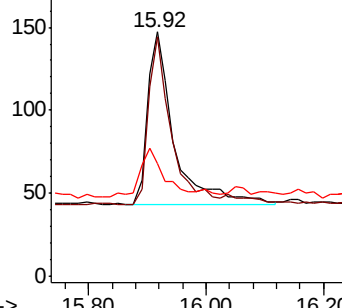
#14
 2,4,6-Tribromophenol
 Concen: 0.404 ng
 RT: 15.92 min Scan# 1022
 Delta R.T. -0.00 min
 Lab File: BE100108.D
 Acq: 20 Jun 2019 14:50

Instrument :
 BNA_E
 ClientSampleId :
 MW-5_061219

Tgt Ion: 330 Resp: 333
 Ion Ratio Lower Upper
 330 100
 332 82.6 73.3 109.9
 141 22.5 22.2 33.2

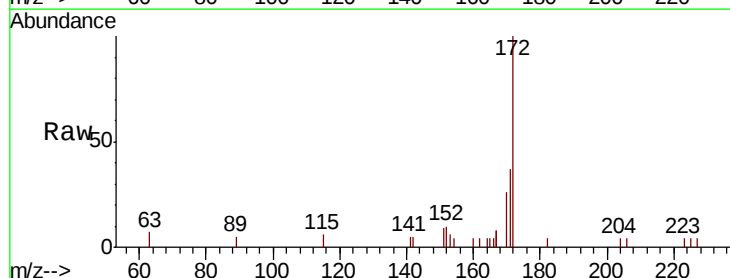


Abundance Ion 330.00 (329.70 to 330.70): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

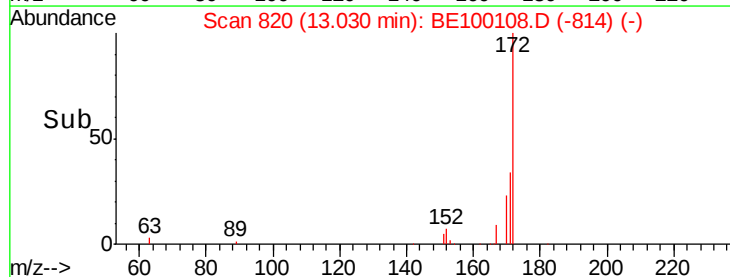
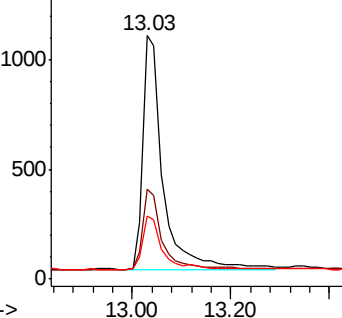


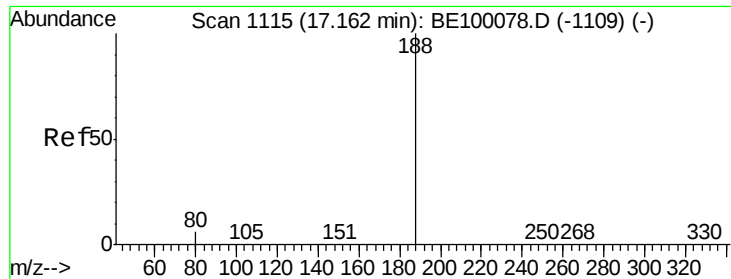
#15
 2-Fluorobiphenyl
 Concen: 0.516 ng
 RT: 13.03 min Scan# 820
 Delta R.T. -0.01 min
 Lab File: BE100108.D
 Acq: 20 Jun 2019 14:50

Tgt Ion: 172 Resp: 3025
 Ion Ratio Lower Upper
 172 100
 171 36.8 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: BE100108.D

Acq: 20 Jun 2019 14:50

Instrument :

BNA_E

ClientSampleId :

MW-5 061219

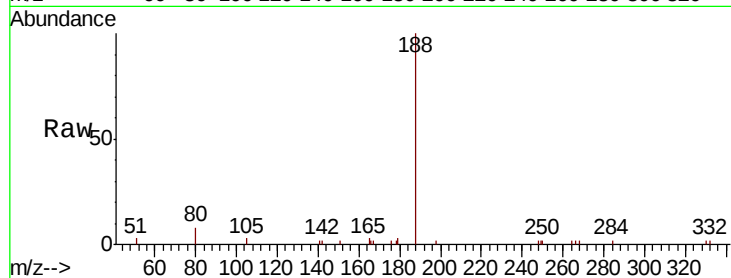
Tgt Ion:188 Resp: 4723

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

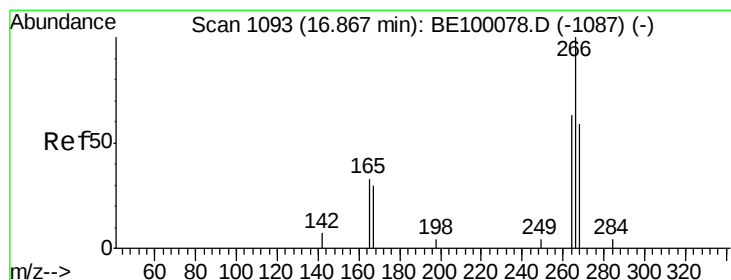
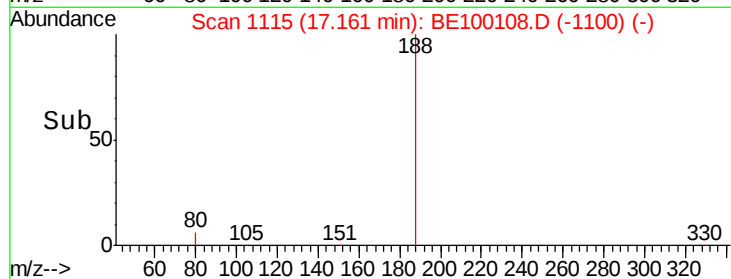
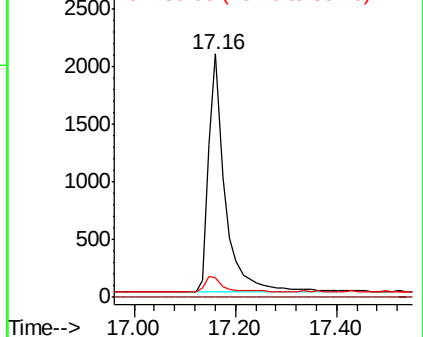
80 8.1 6.3 9.5



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: 16.85 min Scan# 1092

Delta R.T. -0.01 min

Lab File: BE100108.D

Acq: 20 Jun 2019 14:50

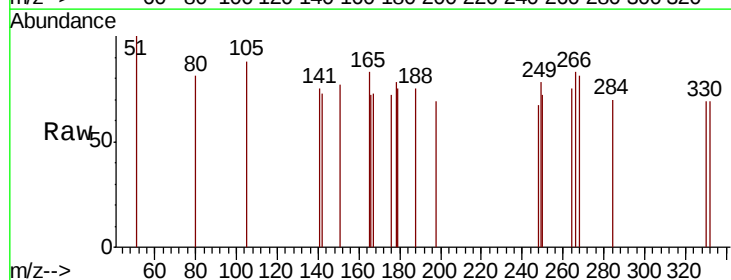
Tgt Ion:266 Resp: 18

Ion Ratio Lower Upper

266 100

264 90.6 67.8 101.6

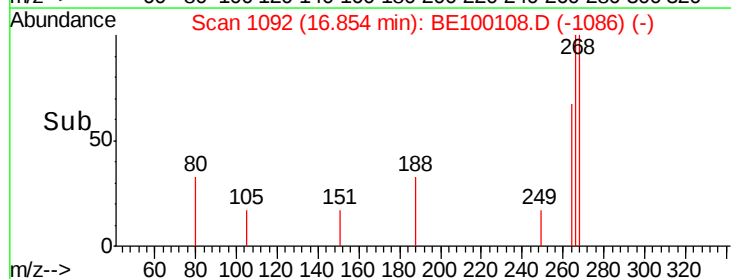
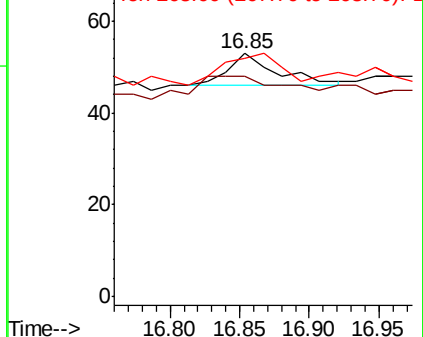
268 98.1 70.0 105.0

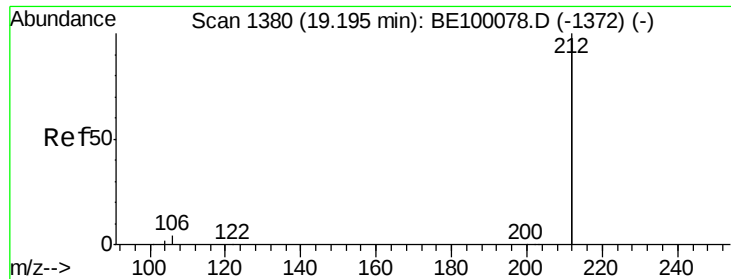


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E

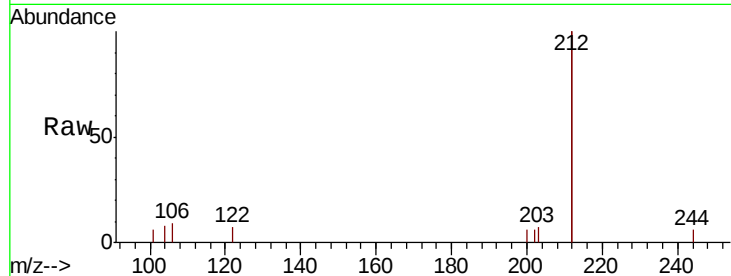




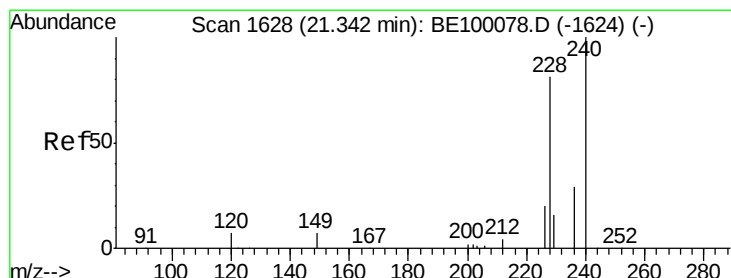
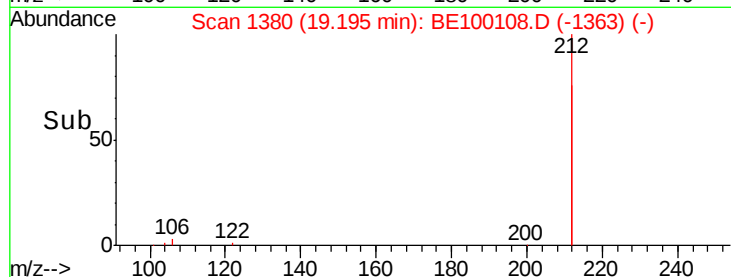
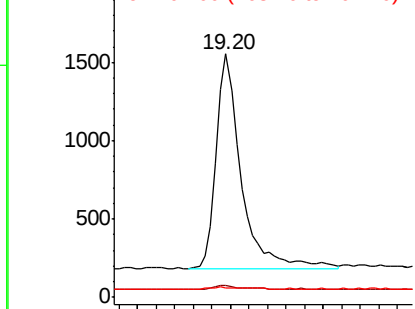
#25
Fluoranthene-d10
Concen: 0.038 ng
RT: 19.20 min Scan# 1380
Delta R.T. -0.00 min
Lab File: BE100108.D
Acq: 20 Jun 2019 14:50

Instrument :
BNA_E
ClientSampleId :
MW-5_061219

Tgt Ion:212 Resp: 2539
Ion Ratio Lower Upper
212 100
106 2.1 1.4 2.0#
104 1.1 0.8 1.2

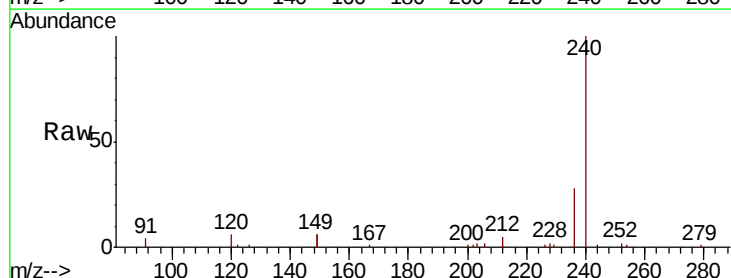


Abundance Ion 212.00 (211.70 to 212.70): E
Ion 106.00 (105.70 to 106.70): E
Ion 104.00 (103.70 to 104.70): E

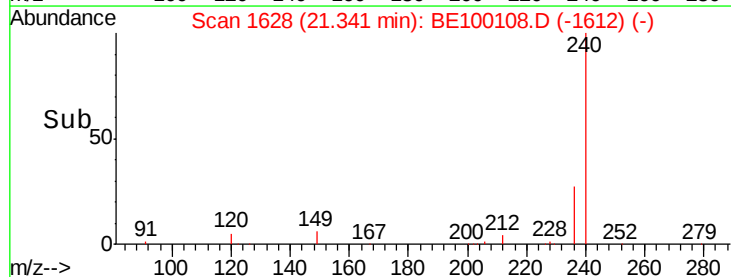
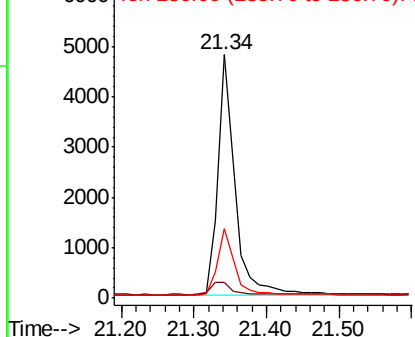


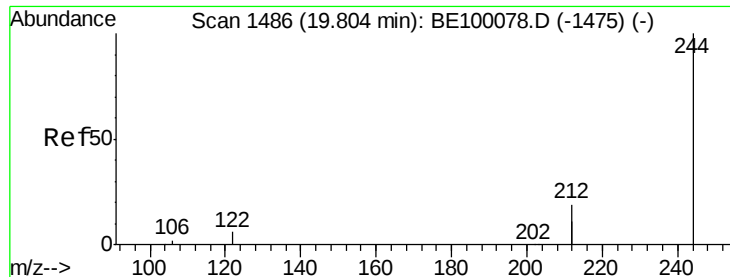
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.34 min Scan# 1628
Delta R.T. -0.00 min
Lab File: BE100108.D
Acq: 20 Jun 2019 14:50

Tgt Ion:240 Resp: 8004
Ion Ratio Lower Upper
240 100
120 6.3 6.6 10.0#
236 28.3 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





#29

Terphenyl-d14

Concen: 0.473 ng

RT: 19.79 min Scan# 1483

Delta R.T. -0.02 min

Lab File: BE100108.D

Acq: 20 Jun 2019 14:50

Instrument :

BNA_E

ClientSampleId :

MW-5 061219

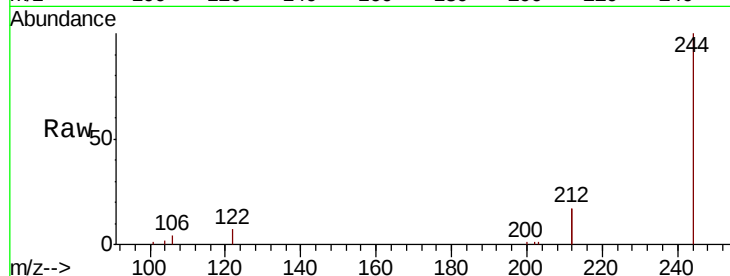
Tgt Ion:244 Resp: 7565

Ion Ratio Lower Upper

244 100

212 34.0 29.8 44.8

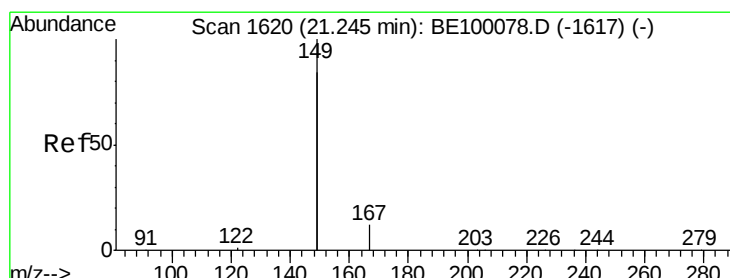
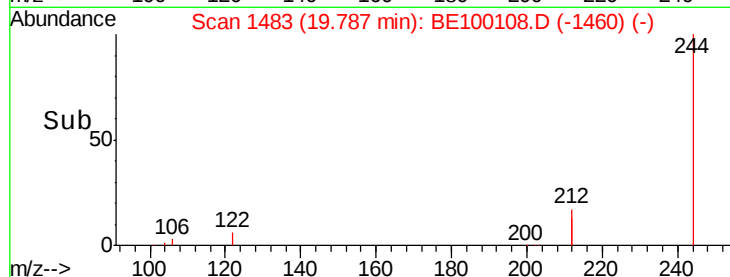
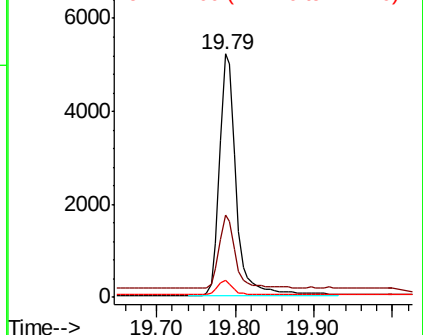
122 7.1 6.1 9.1



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



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.122 ng

RT: 21.24 min Scan# 1620

Delta R.T. -0.00 min

Lab File: BE100108.D

Acq: 20 Jun 2019 14:50

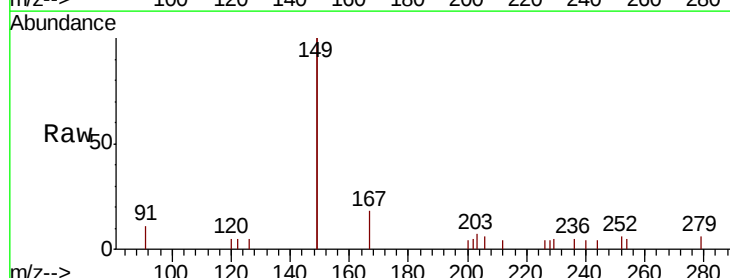
Tgt Ion:149 Resp: 2748

Ion Ratio Lower Upper

149 100

167 7.9 5.8 8.6

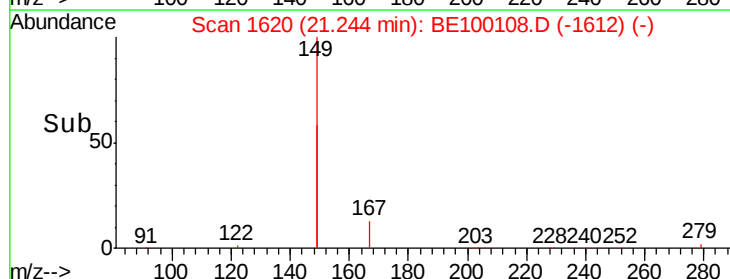
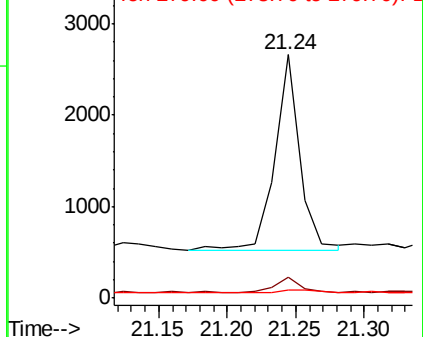
279 2.0 1.1 1.7#

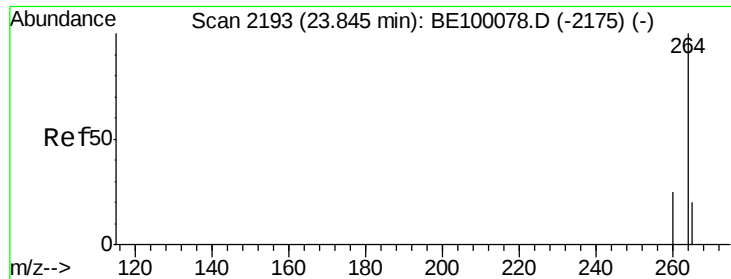


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#34
Perylene-d12
Concen: 0.400 ng
RT: 23.83 min Scan# 2190
Delta R.T. -0.01 min
Lab File: BE100108.D
Acq: 20 Jun 2019 14:50

Instrument :
BNA_E
ClientSampleId :
MW-5_061219

Tgt Ion: 264 Resp: 10232
Ion Ratio Lower Upper
264 100
260 25.7 20.8 31.2
265 29.4 23.2 34.8

