

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE062019\
 Data File : BE100110.D
 Acq On : 20 Jun 2019 16:26
 Operator : JU/SJ
 Sample : K3345-10MSD
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 MW-5_061219MSD

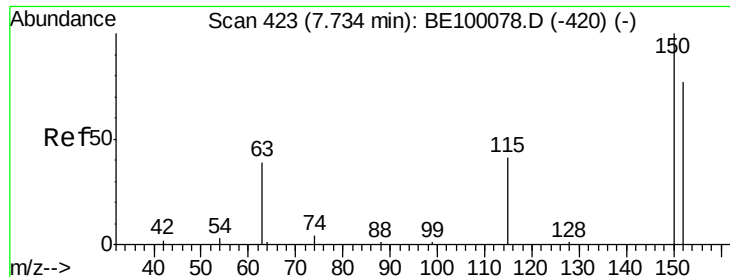
Quant Time: Jun 21 01:45:05 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE061919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 19 15:07:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.73	152	613	0.40	ng	0.00
7) Naphthalene-d8	10.54	136	2083	0.40	ng	0.00
13) Acenaphthene-d10	14.41	164	1525	0.40	ng	0.00
19) Phenanthrene-d10	17.16	188	4378	0.40	ng	0.00
27) Chrysene-d12	21.34	240	7629	0.40	ng	0.00
34) Perylene-d12	23.85	264	9687	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.32	112	257	0.20	ng	0.01
5) Phenol-d6	6.93	99	202	0.12	ng	0.00
8) Nitrobenzene-d5	8.91	82	824	0.41	ng	0.00
11) 2-Methylnaphthalene-d10	12.12	152	922	0.23	ng	-0.03
14) 2,4,6-Tribromophenol	15.92	330	337	0.40	ng	0.00
15) 2-Fluorobiphenyl	13.05	172	3159	0.53	ng	0.00
25) Fluoranthene-d10	19.20	212	2228	0.04	ng	0.00
29) Terphenyl-d14	19.79	244	7442	0.49	ng	-0.01

Target Compounds				Qvalue		
2) 1,4-Dioxane	3.20	88	156	0.159	ng	# 58
3) n-Nitrosodimethylamine	3.57	42	57	0.430	ng	# 100
6) bis(2-Chloroethyl)ether	7.17	93	527	0.326	ng	86
9) Naphthalene	10.59	128	154364	6.820	ng	# 97
10) Hexachlorobutadiene	10.86	225	704	0.317	ng	97
12) 2-Methylnaphthalene	12.22	142	8644	2.322	ng	93
16) Acenaphthylene	14.14	152	2623	0.362	ng	98
17) Acenaphthene	14.49	154	1412	0.349	ng	99
18) Fluorene	15.46	166	2260	0.375	ng	100
20) 4-Bromophenyl-phenylether	16.36	248	932	0.358	ng	96
21) Hexachlorobenzene	16.46	284	977	0.340	ng	99
22) Pentachlorophenol	16.83	266	583	0.867	ng	82
23) Phenanthrene	17.20	178	3963	0.378	ng	98
24) Anthracene	17.29	178	3520	0.398	ng	99
26) Fluoranthene	19.23	202	6496	0.386	ng	100
28) Pyrene	19.59	202	7013	0.358	ng	100
30) Benzo(a)anthracene	21.33	228	9258	0.408	ng	99
31) Chrysene	21.38	228	9797	0.372	ng	97
32) Bis(2-ethylhexyl)phthalate	21.25	149	14783	0.690	ng	100
33) Indeno(1,2,3-cd)pyrene	26.48	276	11996	0.404	ng	# 95
35) Benzo(b)fluoranthene	23.07	252	9801	0.345	ng	97
36) Benzo(k)fluoranthene	23.12	252	10623	0.329	ng	99
37) Benzo(a)pyrene	23.73	252	9961	0.363	ng	97
38) Dibenzo(a,h)anthracene	26.51	278	9644	0.343	ng	98
39) Benzo(g,h,i)perylene	27.29	276	10359	0.354	ng	99

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



#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.73 min Scan# 423

Delta R.T. 0.00 min

Lab File: BE100110.D

Acq: 20 Jun 2019 16:26

Instrument :

BNA_E

ClientSampleId :

MW-5_061219MSD

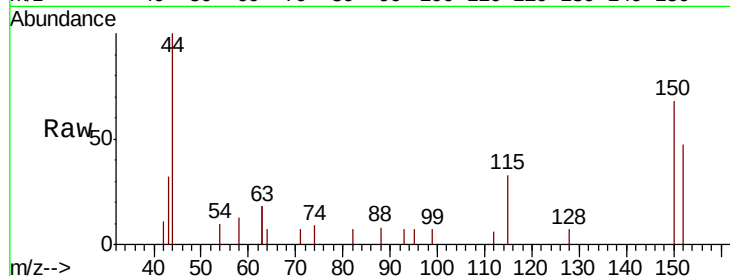
Tot Ion:152 Resp: 613

Ion Ratio Lower Upper

152 100

150 142.7 99.8 149.8

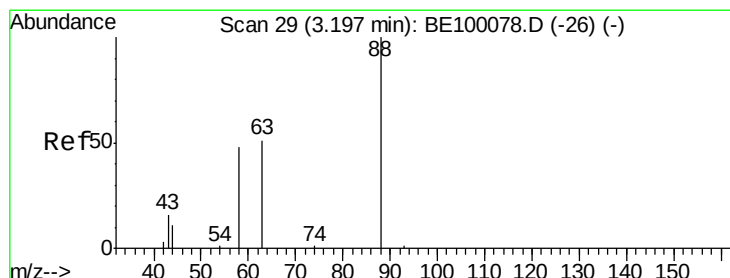
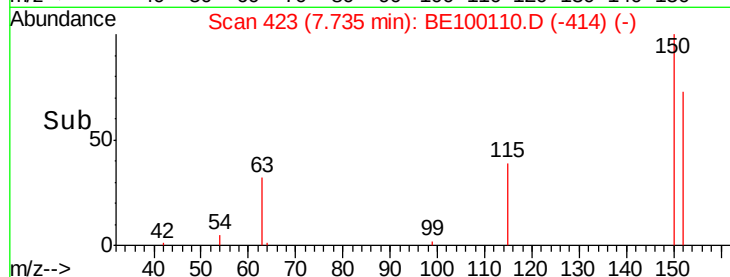
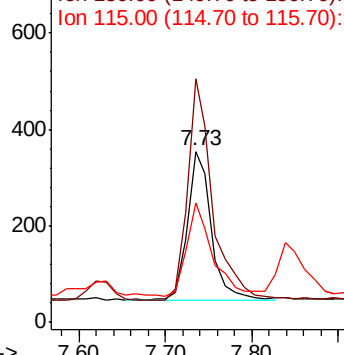
115 70.3 51.3 76.9



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: 0.159 ng

RT: 3.20 min Scan# 29

Delta R.T. 0.00 min

Lab File: BE100110.D

Acq: 20 Jun 2019 16:26

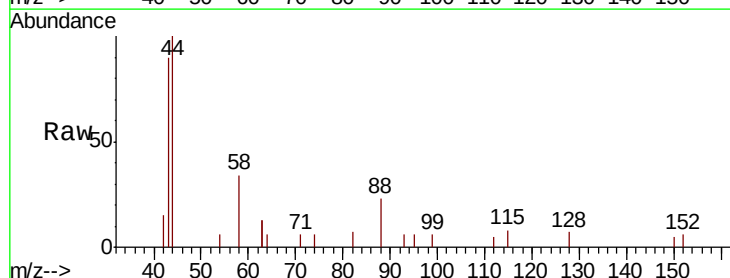
Tgt Ion: 88 Resp: 156

Ion Ratio Lower Upper

88 100

58 93.6 51.1 76.7#

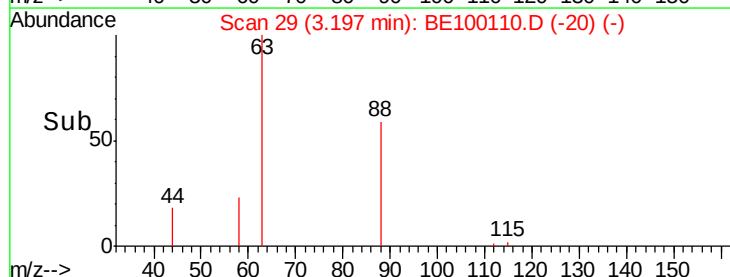
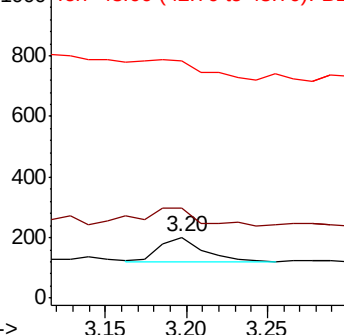
43 0.0 21.7 32.5#

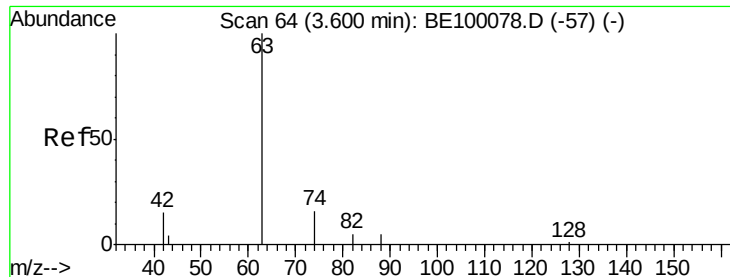


Abundance Ion 88.00 (87.70 to 88.70): BE1

Ion 58.00 (57.70 to 58.70): BE1

Ion 43.00 (42.70 to 43.70): BE1



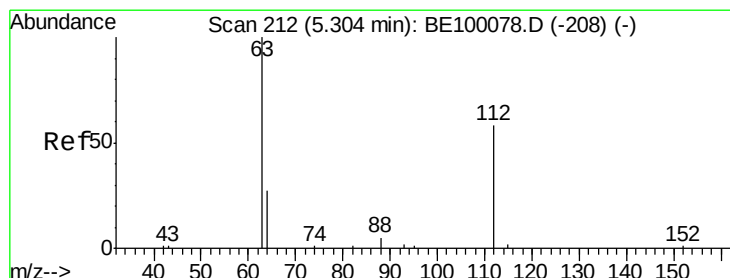
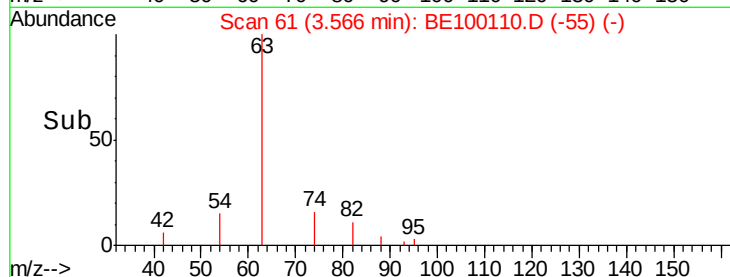
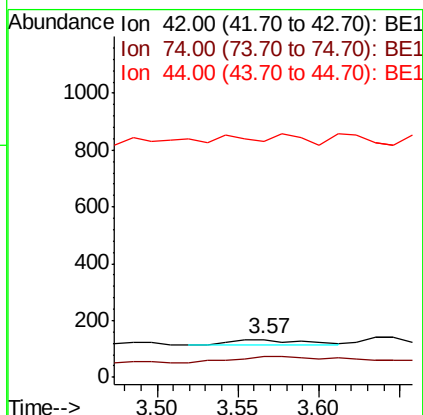
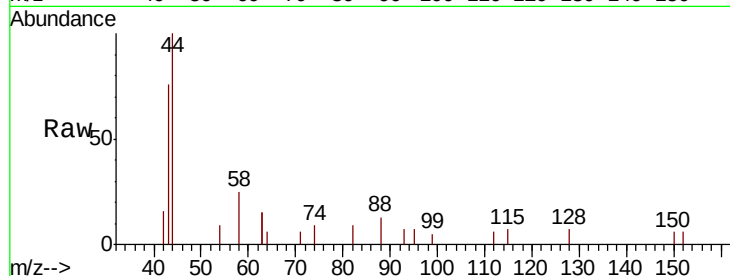


#3

n-Nitrosodimethylamine
Concen: 0.430 ng
RT: 3.57 min Scan# 61
Delta R.T. -0.03 min
Lab File: BE100110.D
Acq: 20 Jun 2019 16:26

Instrument :
BNA_E
ClientSampleId :
MW-5_061219MSD

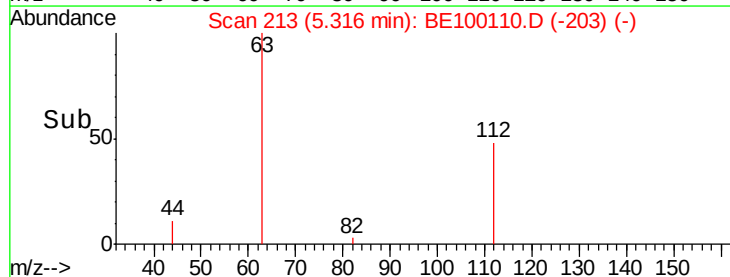
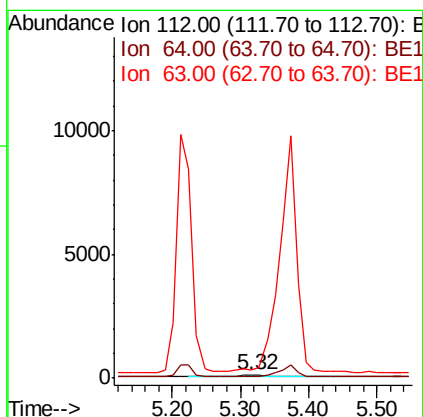
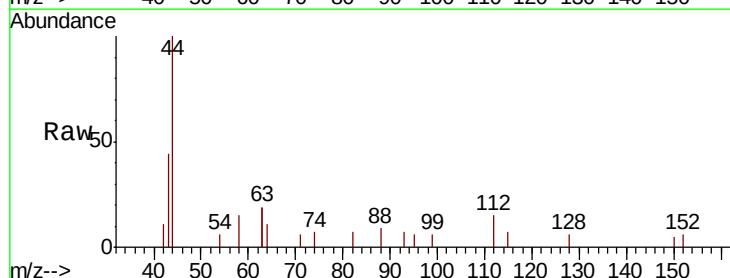
Tot Ion: 42 Resp: 57
Ion Ratio Lower Upper
42 100
74 166.7 0.0 0.0#
44 77.2 0.0 0.0#

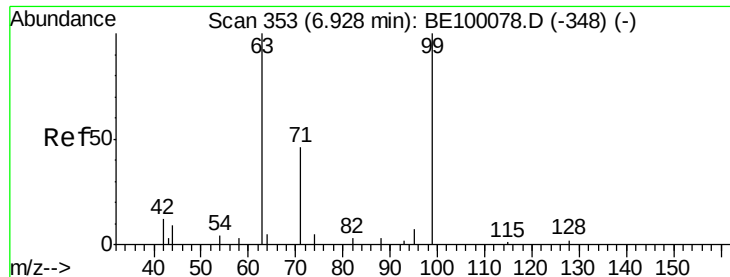


#4

2-Fluorophenol
Concen: 0.202 ng
RT: 5.32 min Scan# 213
Delta R.T. 0.01 min
Lab File: BE100110.D
Acq: 20 Jun 2019 16:26

Tgt Ion: 112 Resp: 257
Ion Ratio Lower Upper
112 100
64 0.0 22.0 33.0#
63 0.0 121.8 182.6#





#5

Phenol-d6

Concen: 0.116 ng

RT: 6.93 min Scan# 353

Delta R.T. 0.00 min

Lab File: BE100110.D

Acq: 20 Jun 2019 16:26

Instrument :

BNA_E

ClientSampleId :

MW-5_061219MSD

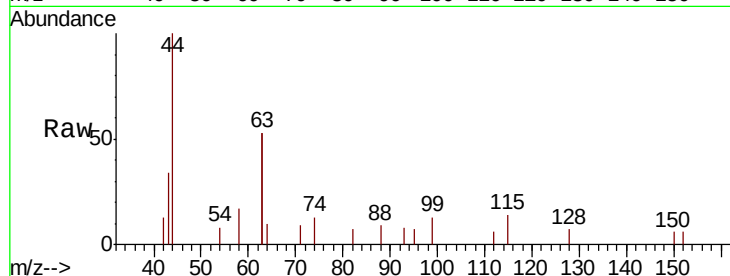
Tot Ion: 99 Resp: 202

Ion Ratio Lower Upper

99 100

42 24.8 0.0 0.0#

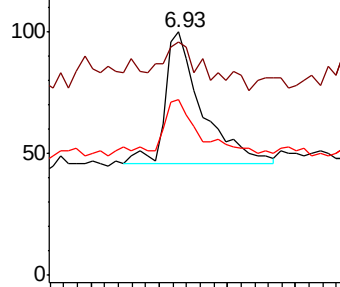
71 37.1 37.6 56.4#



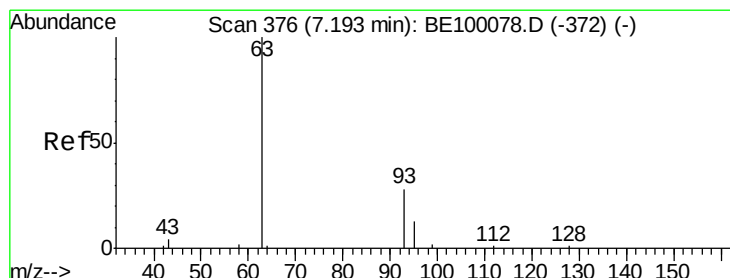
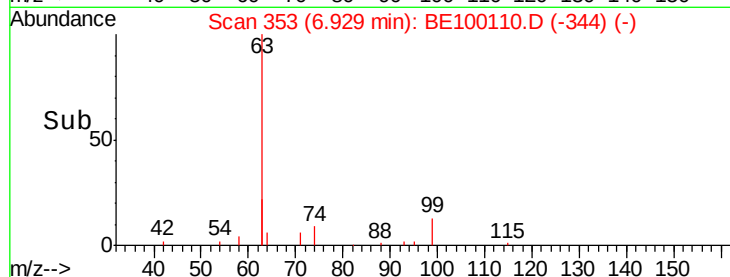
Abundance Ion 99.00 (98.70 to 99.70): BE1

Ion 42.00 (41.70 to 42.70): BE1

Ion 71.00 (70.70 to 71.70): BE1



Time-->



#6

bis(2-Chloroethyl)ether

Concen: 0.326 ng

RT: 7.17 min Scan# 374

Delta R.T. -0.02 min

Lab File: BE100110.D

Acq: 20 Jun 2019 16:26

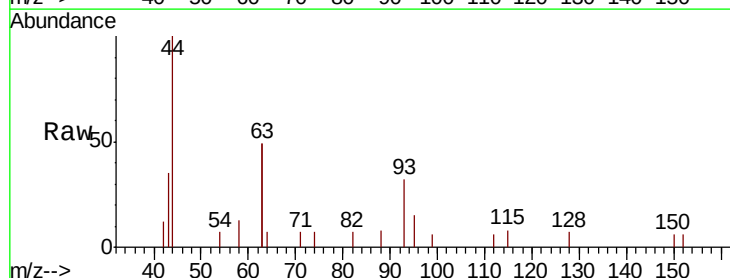
Tgt Ion: 93 Resp: 527

Ion Ratio Lower Upper

93 100

63 223.7 200.0 300.0

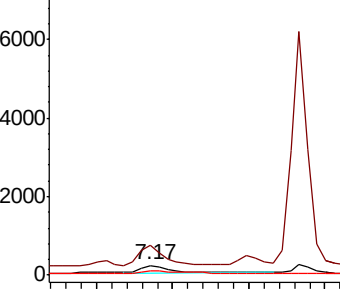
95 32.3 24.0 36.0



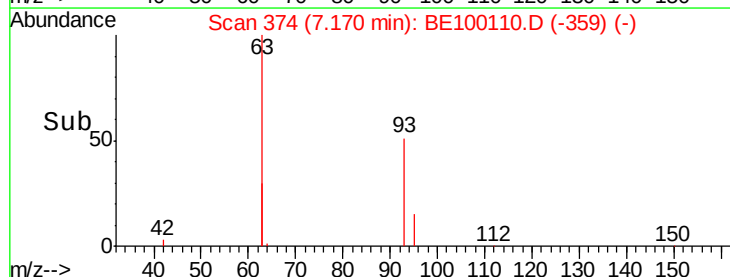
Abundance Ion 93.00 (92.70 to 93.70): BE1

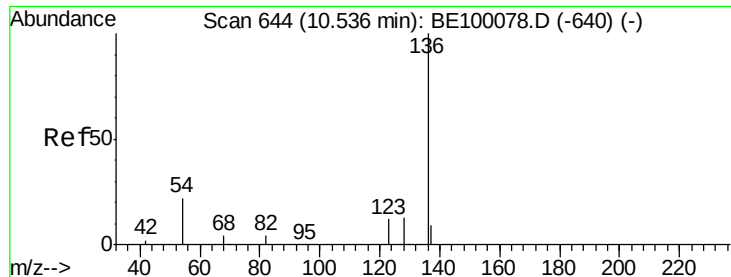
Ion 63.00 (62.70 to 63.70): BE1

Ion 95.00 (94.70 to 95.70): BE1



Time-->





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.54 min Scan# 644

Delta R.T. -0.00 min

Lab File: BE100110.D

Acq: 20 Jun 2019 16:26

Instrument :

BNA_E

ClientSampleId :

MW-5_061219MSD

Tot Ion:136 Resp: 2083

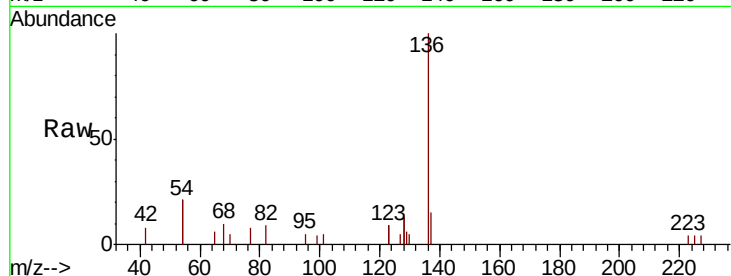
Ion Ratio Lower Upper

136 100

137 15.5 11.6 17.4

54 42.0 33.9 50.9

68 10.1 7.8 11.8

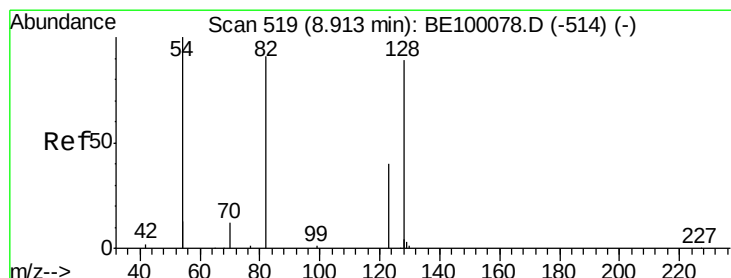
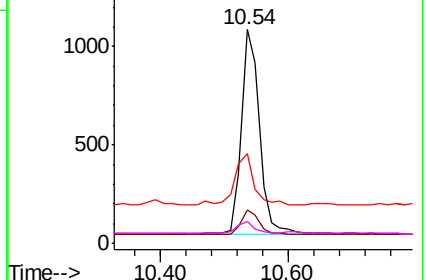
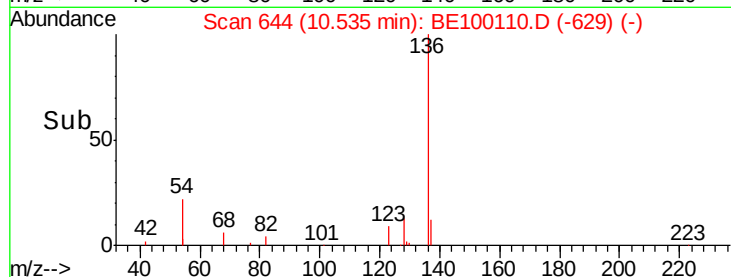


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.408 ng

RT: 8.91 min Scan# 519

Delta R.T. -0.00 min

Lab File: BE100110.D

Acq: 20 Jun 2019 16:26

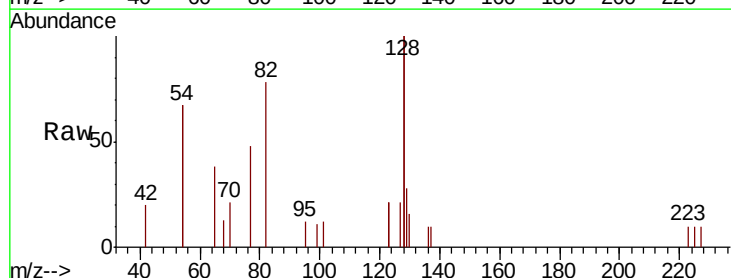
Tgt Ion: 82 Resp: 824

Ion Ratio Lower Upper

82 100

128 255.4 128.0 192.0#

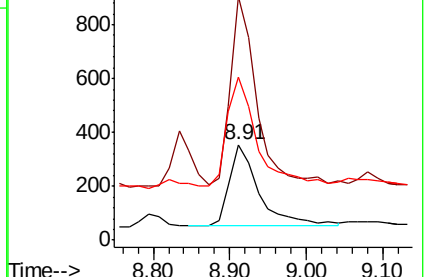
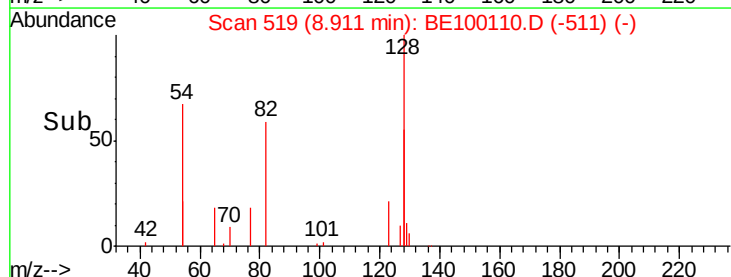
54 170.6 143.4 215.0

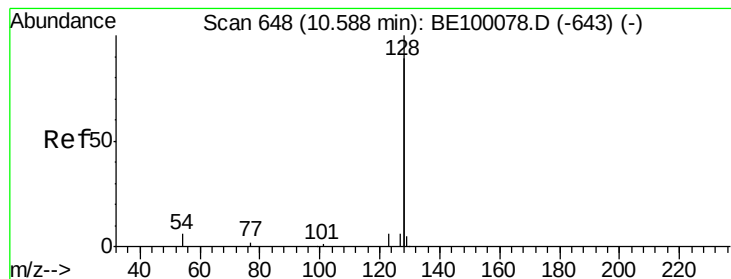


Abundance Ion 82.00 (81.70 to 82.70): BE1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE1





#9

Naphthalene

Concen: 6.820 ng

RT: 10.59 min Scan# 648

Delta R.T. -0.00 min

Lab File: BE100110.D

Acq: 20 Jun 2019 16:26

Instrument :

BNA_E

ClientSampleId :

MW-5_061219MSD

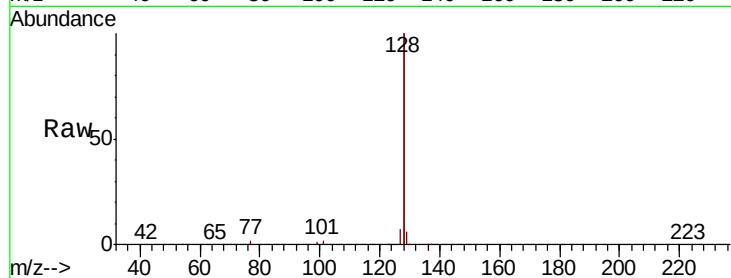
Tot Ion:128 Resp: 154364

Ion Ratio Lower Upper

128 100

129 2.9 3.1 4.7#

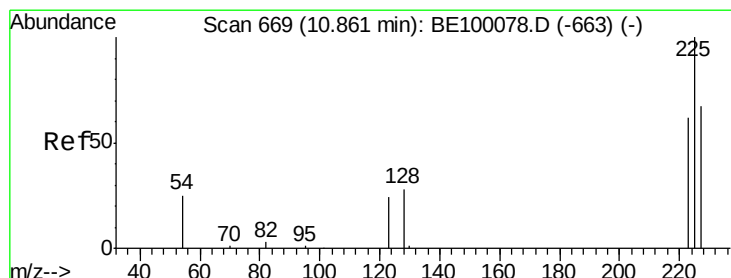
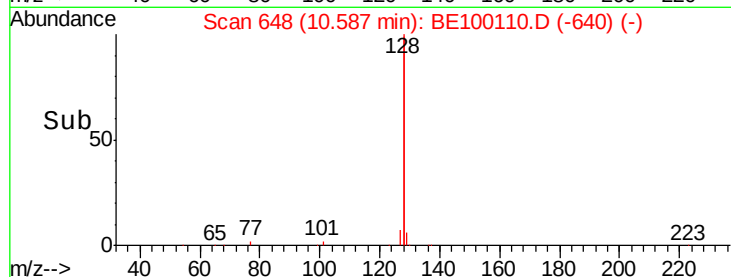
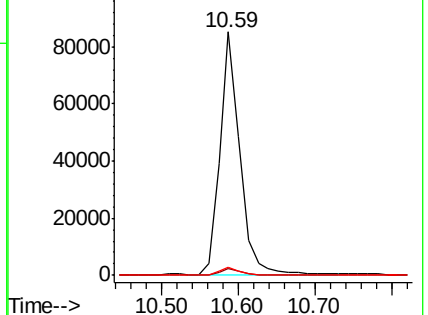
127 3.4 3.4 5.2#



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



#10

Hexachlorobutadiene

Concen: 0.317 ng

RT: 10.86 min Scan# 669

Delta R.T. -0.00 min

Lab File: BE100110.D

Acq: 20 Jun 2019 16:26

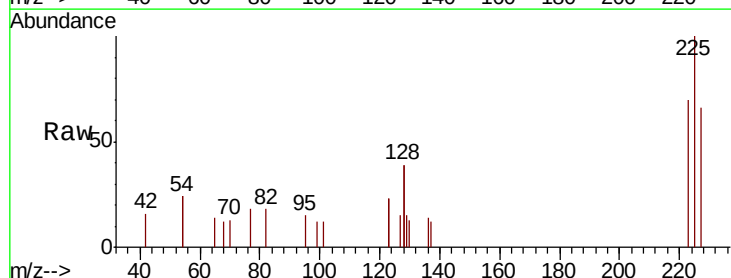
Tgt Ion:225 Resp: 704

Ion Ratio Lower Upper

225 100

223 62.2 52.2 78.4

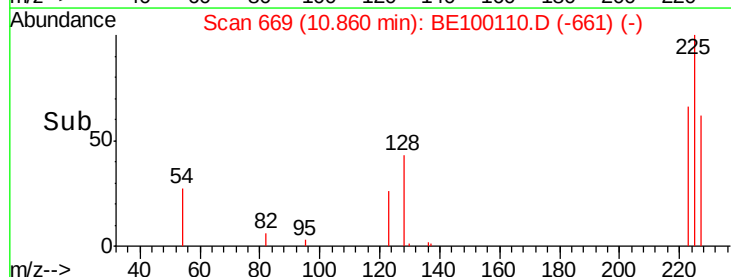
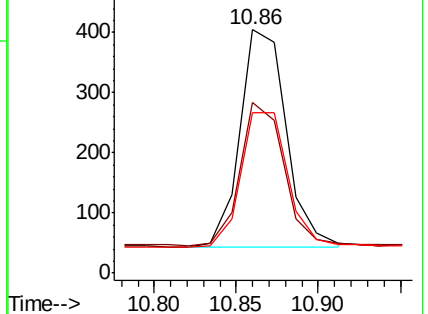
227 63.9 53.0 79.6

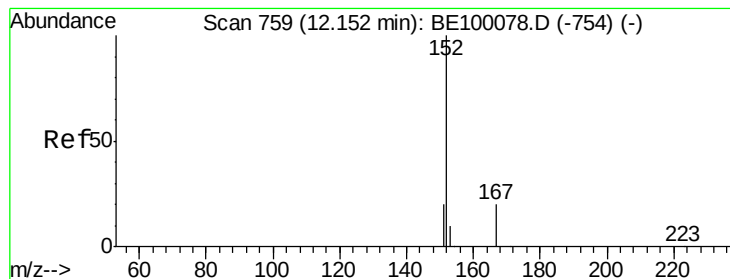


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.233 ng

RT: 12.12 min Scan# 757

Delta R.T. -0.03 min

Lab File: BE100110.D

Acq: 20 Jun 2019 16:26

Instrument :

BNA_E

ClientSampleId :

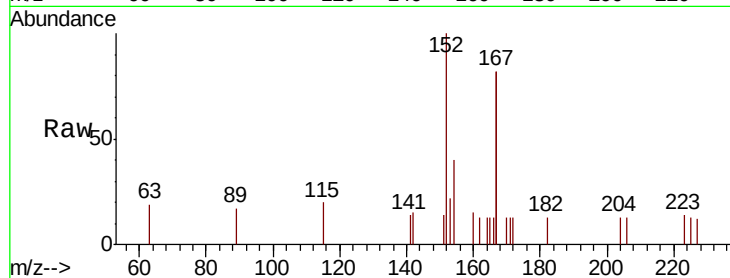
MW-5_061219MSD

Tot Ion:152 Resp: 922

Ion Ratio Lower Upper

152 100

151 0.0 16.3 24.5#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.12

300

200

100

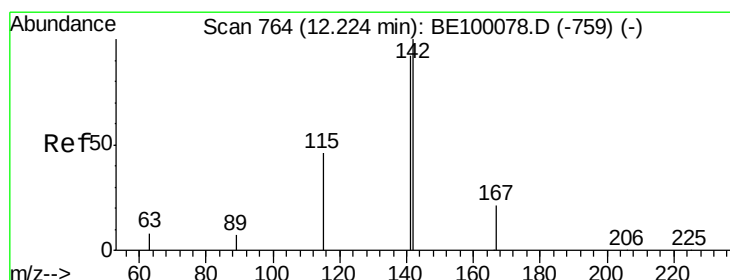
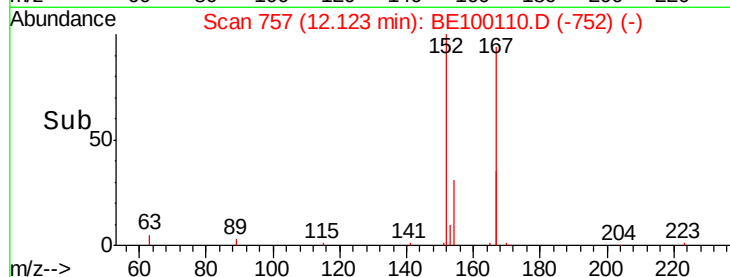
0

Time-->

12.00

12.20

12.40



#12

2-Methylnaphthalene

Concen: 2.322 ng

RT: 12.22 min Scan# 764

Delta R.T. 0.00 min

Lab File: BE100110.D

Acq: 20 Jun 2019 16:26

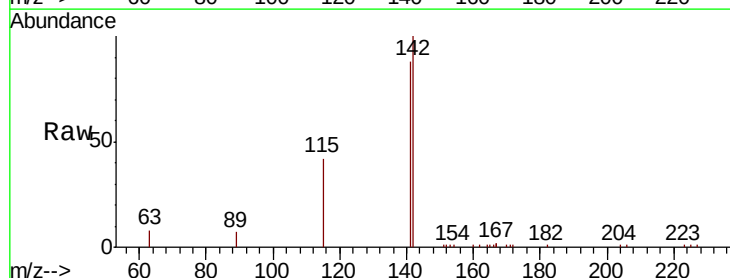
Tgt Ion:142 Resp: 8644

Ion Ratio Lower Upper

142 100

141 88.4 74.1 111.1

115 42.1 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

12.22

6000

5000

4000

3000

2000

1000

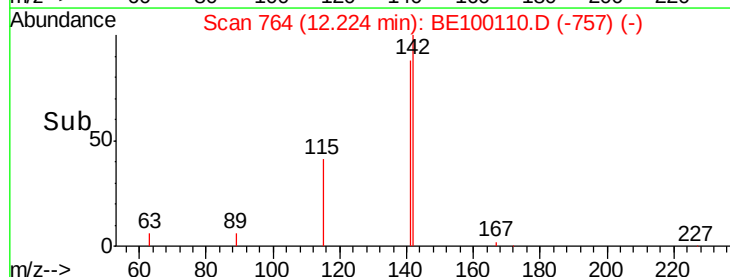
0

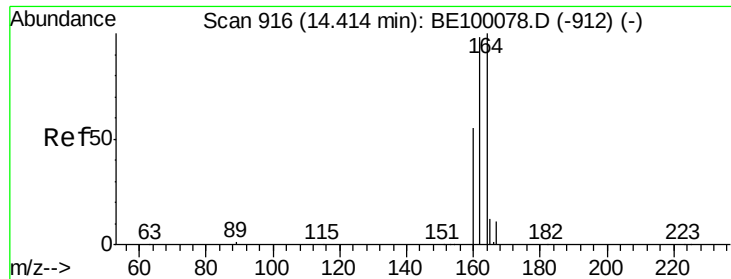
Time-->

12.10

12.20

12.30

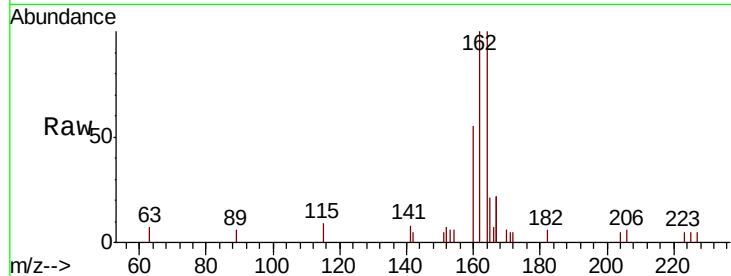




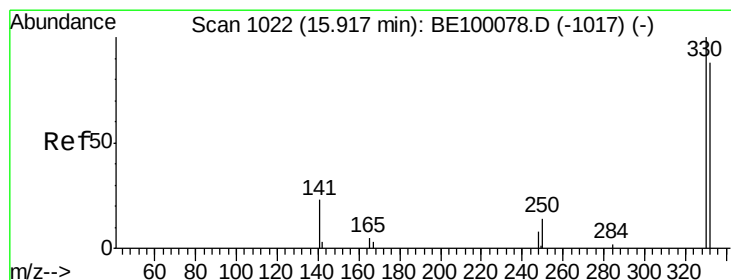
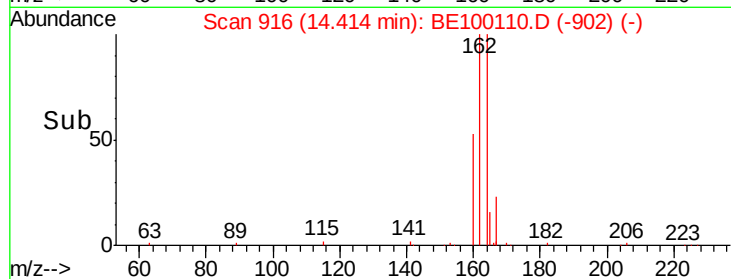
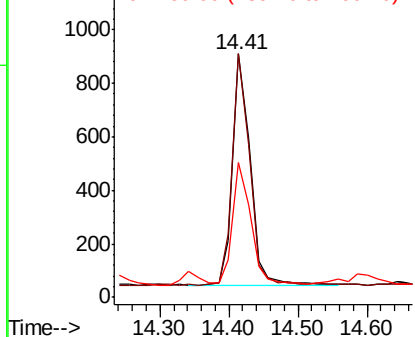
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.41 min Scan# 916
Delta R.T. 0.00 min
Lab File: BE100110.D
Acq: 20 Jun 2019 16:26

Instrument :
BNA_E
ClientSampleId :
MW-5_061219MSD

Tot Ion:164 Resp: 1525
Ion Ratio Lower Upper
164 100
162 99.9 78.2 117.2
160 55.2 45.6 68.4

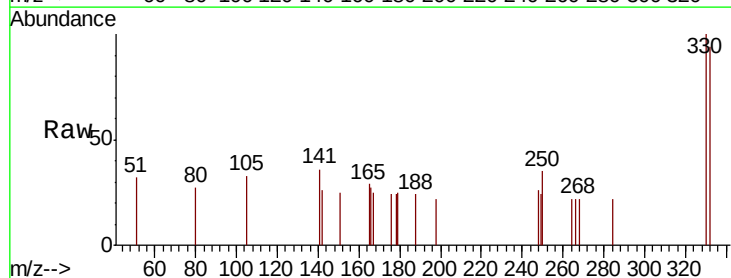


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

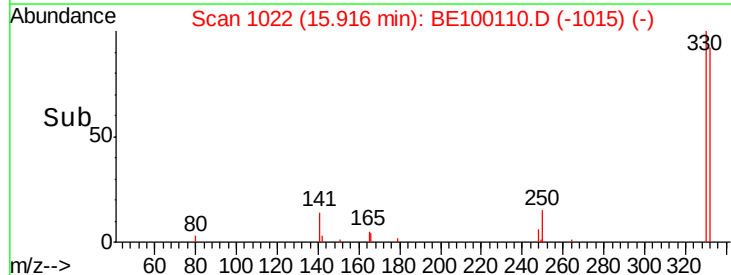
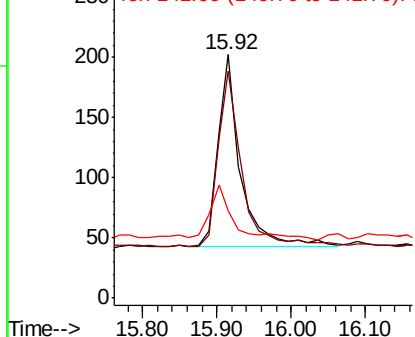


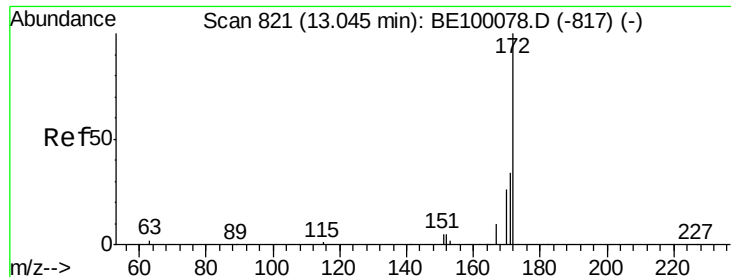
#14
2,4,6-Tribromophenol
Concen: 0.400 ng
RT: 15.92 min Scan# 1022
Delta R.T. -0.00 min
Lab File: BE100110.D
Acq: 20 Jun 2019 16:26

Tgt Ion:330 Resp: 337
Ion Ratio Lower Upper
330 100
332 96.7 73.3 109.9
141 24.3 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

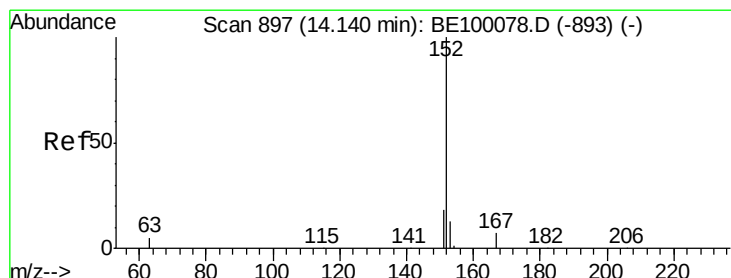
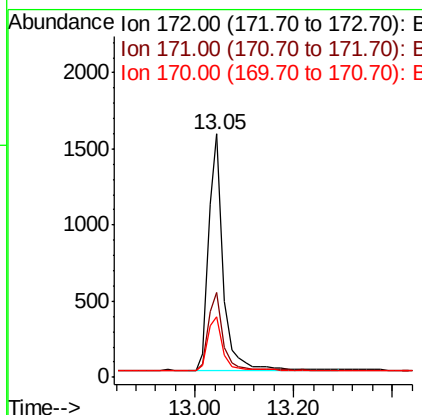
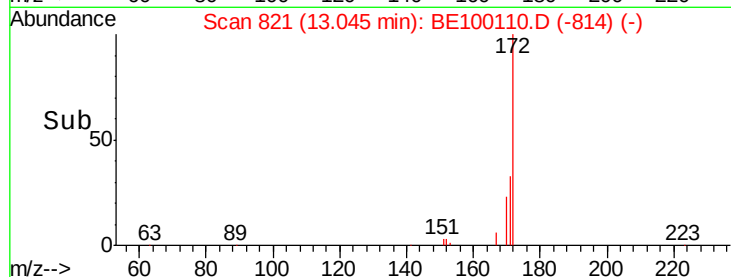
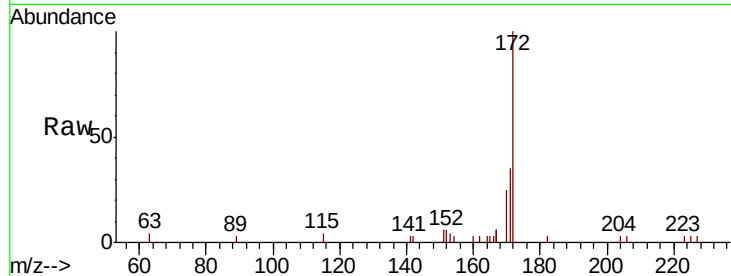




#15
2-Fluorobiphenyl
Concen: 0.527 ng
RT: 13.05 min Scan# 821
Delta R.T. 0.00 min
Lab File: BE100110.D
Acq: 20 Jun 2019 16:26

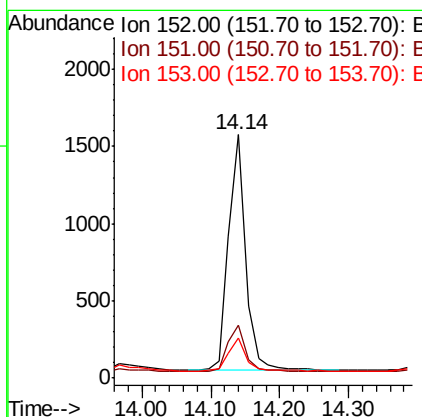
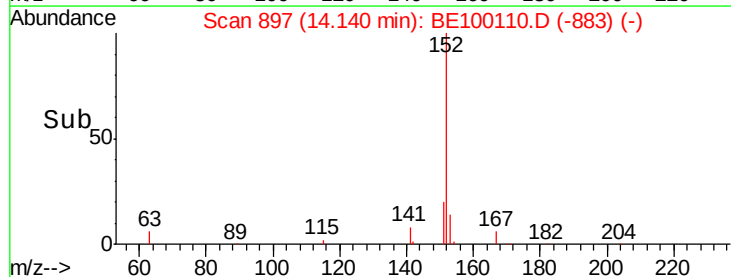
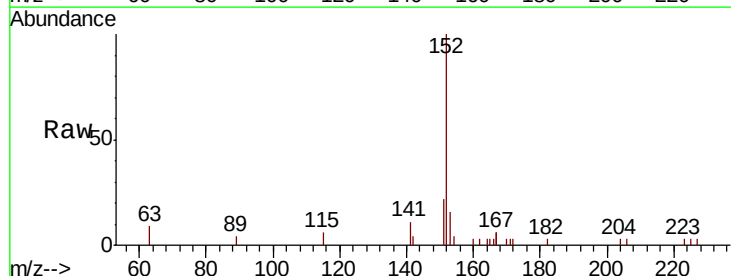
Instrument :
BNA_E
ClientSampleId :
MW-5_061219MSD

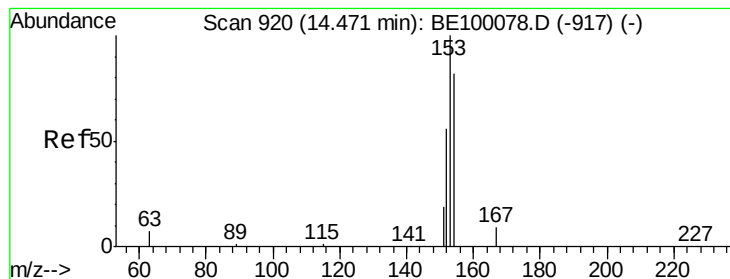
Tot Ion:172 Resp: 3159
Ion Ratio Lower Upper
172 100
171 35.0 29.8 44.8
170 24.8 23.2 34.8



#16
Acenaphthylene
Concen: 0.362 ng
RT: 14.14 min Scan# 897
Delta R.T. 0.00 min
Lab File: BE100110.D
Acq: 20 Jun 2019 16:26

Tgt Ion:152 Resp: 2623
Ion Ratio Lower Upper
152 100
151 20.4 15.9 23.9
153 14.2 10.1 15.1





#17

Acenaphthene

Concen: 0.349 ng

RT: 14.49 min Scan# 921

Delta R.T. 0.01 min

Lab File: BE100110.D

Acq: 20 Jun 2019 16:26

Instrument :

BNA_E

ClientSampleId :

MW-5_061219MSD

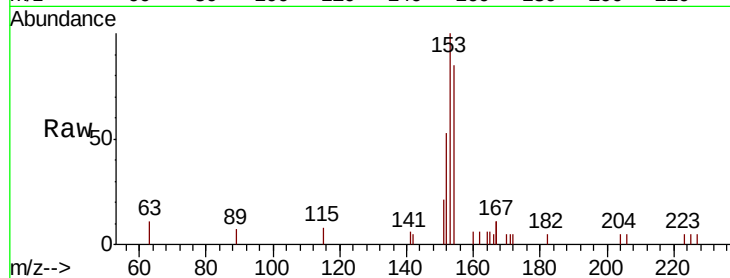
Tot Ion:154 Resp: 1412

Ion Ratio Lower Upper

154 100

153 119.4 95.5 143.3

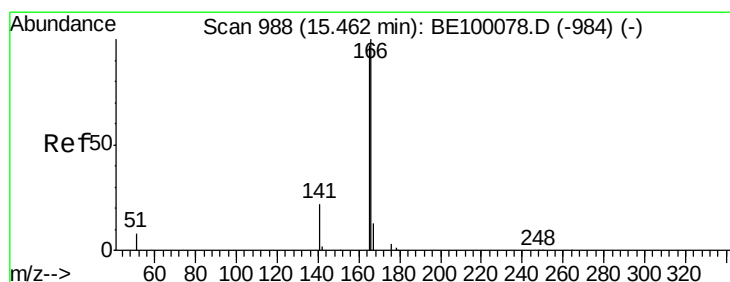
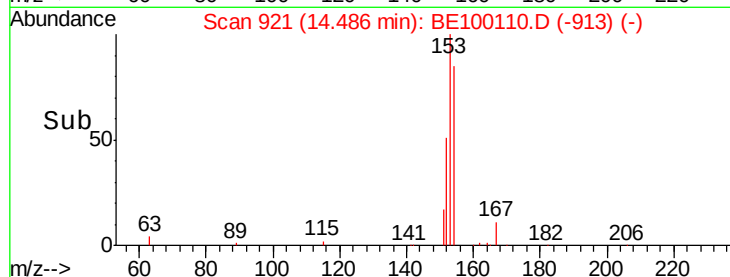
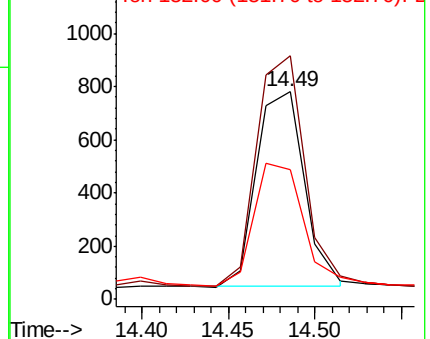
152 66.0 54.9 82.3



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#18

Fluorene

Concen: 0.375 ng

RT: 15.46 min Scan# 988

Delta R.T. -0.00 min

Lab File: BE100110.D

Acq: 20 Jun 2019 16:26

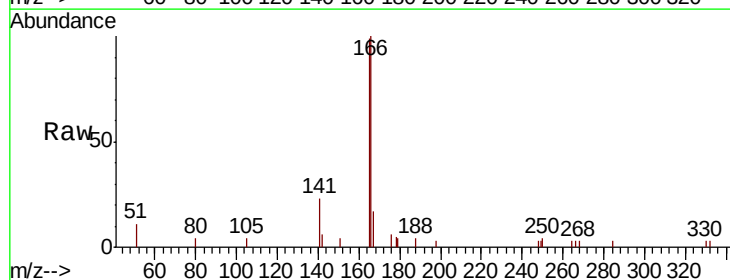
Tgt Ion:166 Resp: 2260

Ion Ratio Lower Upper

166 100

165 100.0 79.8 119.8

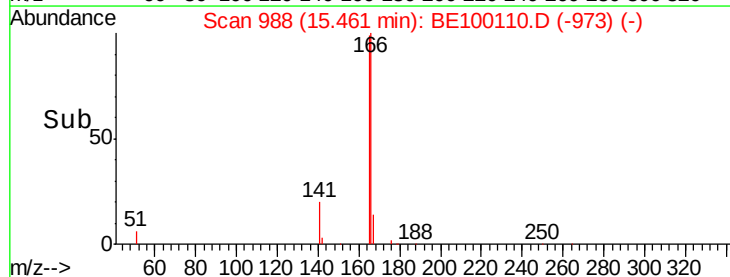
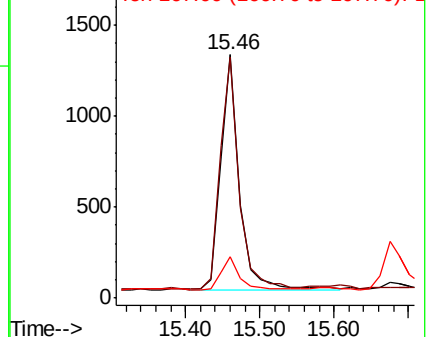
167 13.8 10.2 15.4

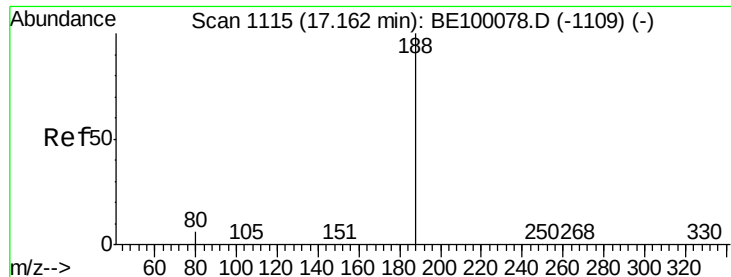


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.16 min Scan# 1115

Delta R.T. -0.00 min

Lab File: BE100110.D

Acq: 20 Jun 2019 16:26

Instrument :

BNA_E

ClientSampleId :

MW-5_061219MSD

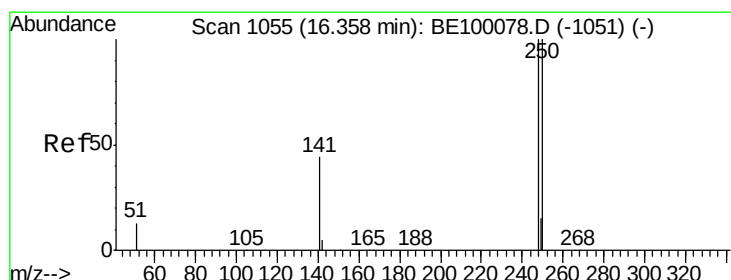
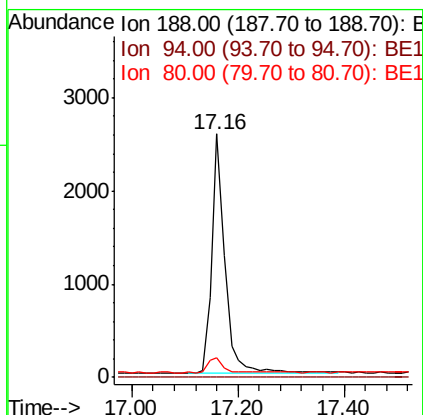
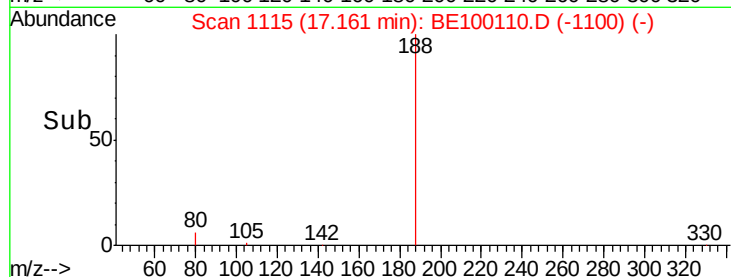
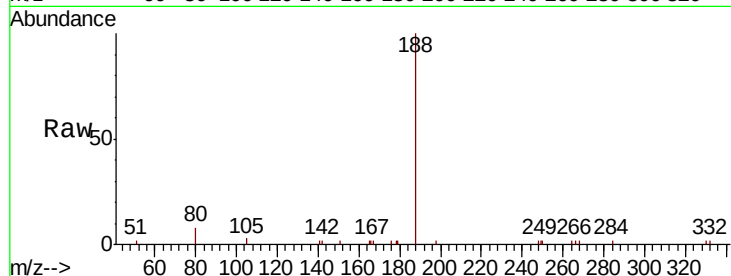
Tot Ion:188 Resp: 4378

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 8.3 6.3 9.5



#20

4-Bromophenyl-phenylether

Concen: 0.358 ng

RT: 16.36 min Scan# 1055

Delta R.T. -0.00 min

Lab File: BE100110.D

Acq: 20 Jun 2019 16:26

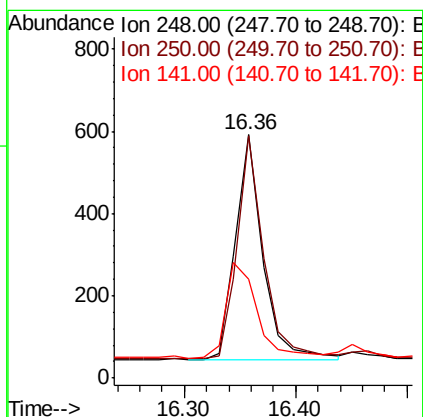
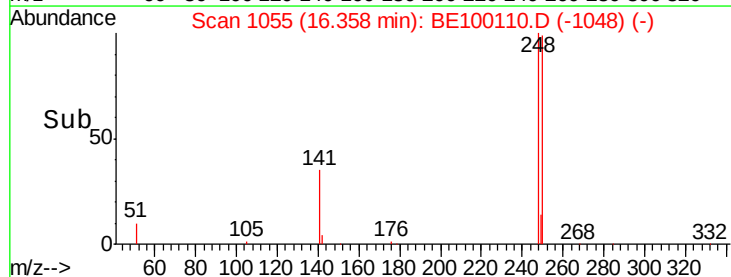
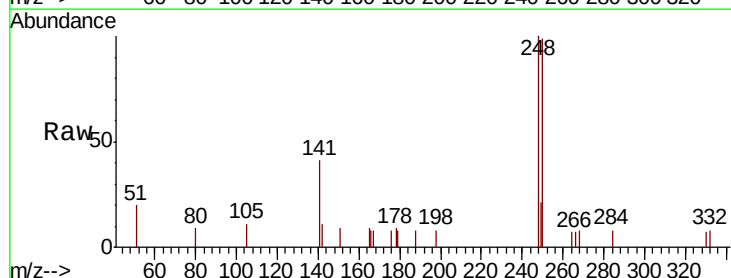
Tgt Ion:248 Resp: 932

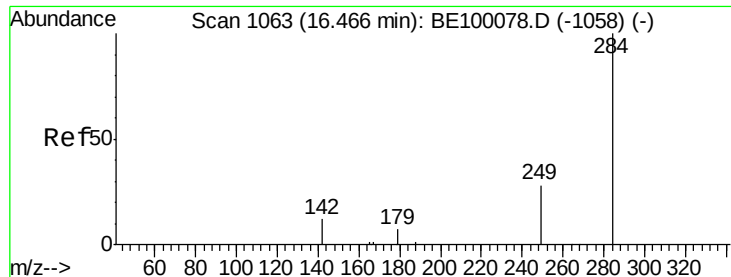
Ion Ratio Lower Upper

248 100

250 99.5 80.6 120.8

141 40.9 38.8 58.2





#21

Hexachlorobenzene

Concen: 0.340 ng

RT: 16.46 min Scan# 1063

Delta R.T. -0.00 min

Lab File: BE100110.D

Acq: 20 Jun 2019 16:26

Instrument :

BNA_E

ClientSampleId :

MW-5_061219MSD

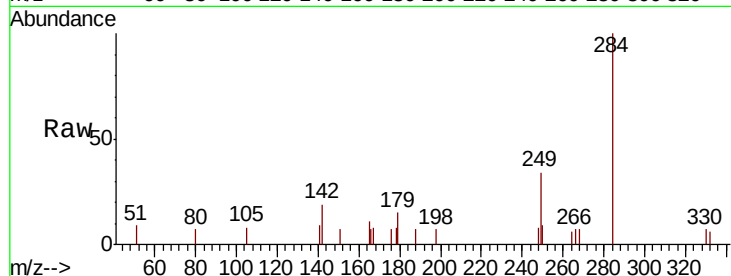
Tot Ion:284 Resp: 977

Ion Ratio Lower Upper

284 100

142 25.2 20.7 31.1

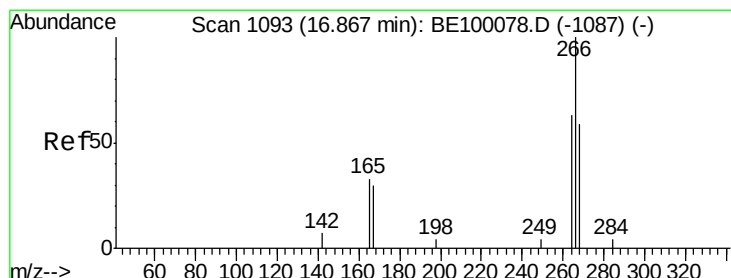
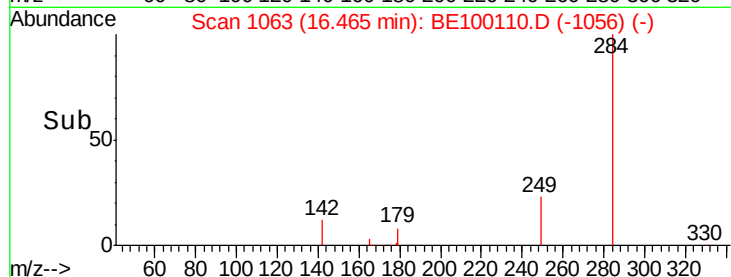
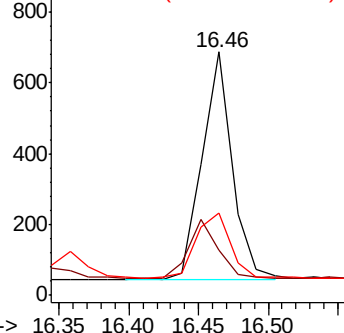
249 32.3 26.6 39.8



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#22

Pentachlorophenol

Concen: 0.867 ng

RT: 16.83 min Scan# 1090

Delta R.T. -0.04 min

Lab File: BE100110.D

Acq: 20 Jun 2019 16:26

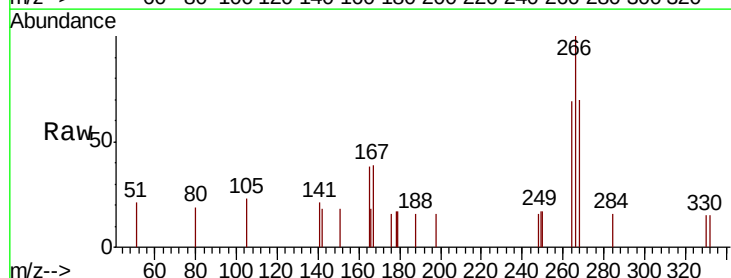
Tgt Ion:266 Resp: 583

Ion Ratio Lower Upper

266 100

264 69.5 67.8 101.6

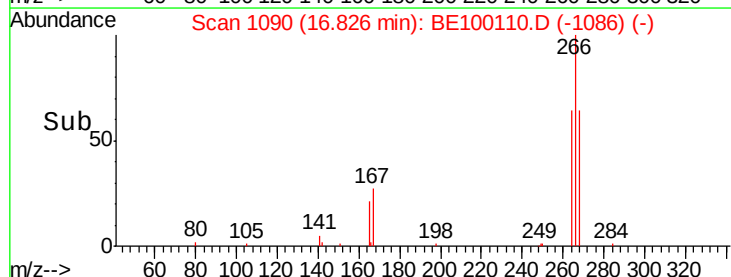
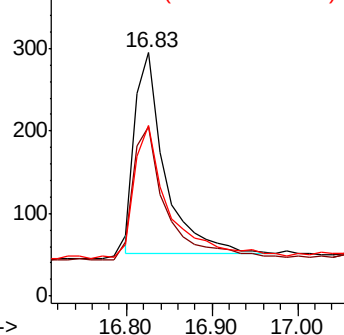
268 70.2 70.0 105.0

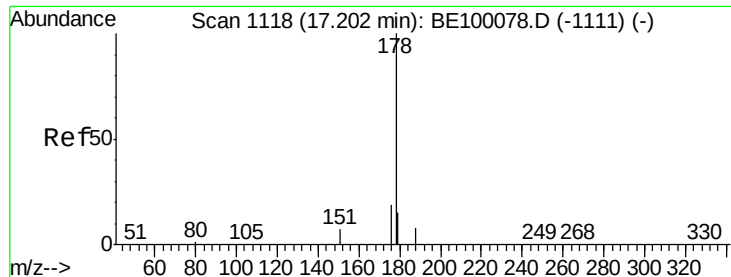


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.378 ng

RT: 17.20 min Scan# 1118

Delta R.T. -0.00 min

Lab File: BE100110.D

Acq: 20 Jun 2019 16:26

Instrument :

BNA_E

ClientSampleId :

MW-5_061219MSD

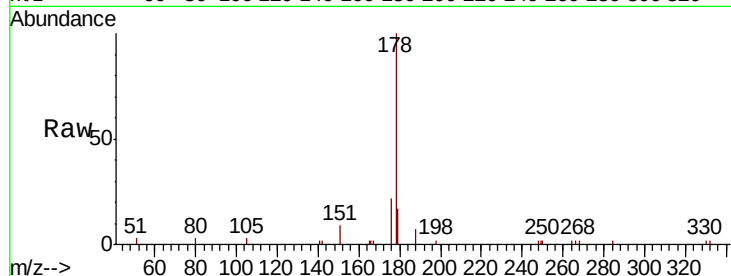
Tot Ion:178 Resp: 3963

Ion Ratio Lower Upper

178 100

176 20.4 15.9 23.9

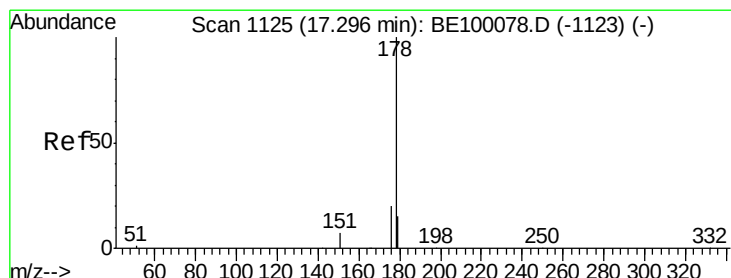
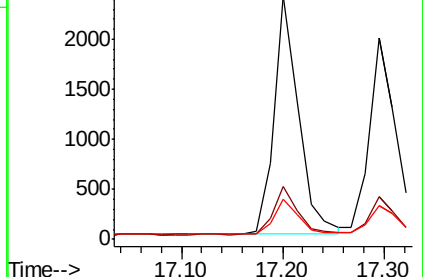
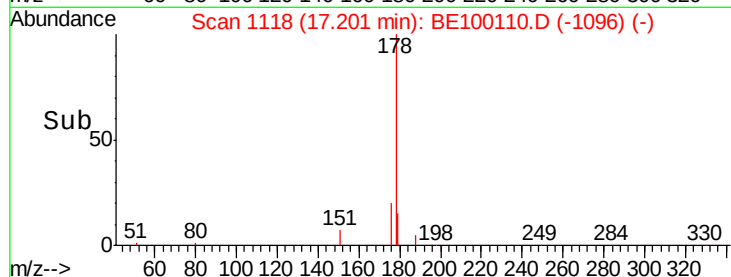
179 15.3 13.1 19.7



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



#24

Anthracene

Concen: 0.398 ng

RT: 17.29 min Scan# 1125

Delta R.T. -0.00 min

Lab File: BE100110.D

Acq: 20 Jun 2019 16:26

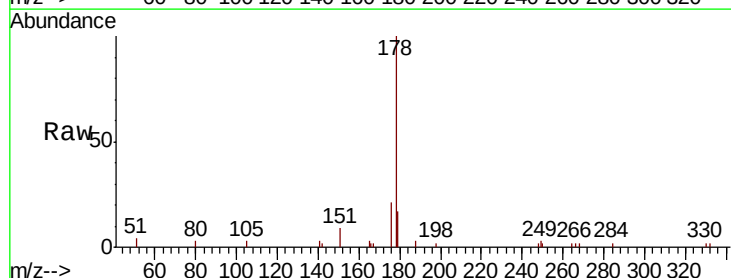
Tgt Ion:178 Resp: 3520

Ion Ratio Lower Upper

178 100

176 19.1 15.8 23.6

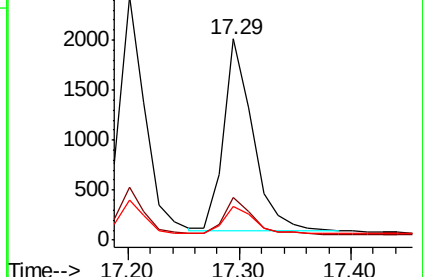
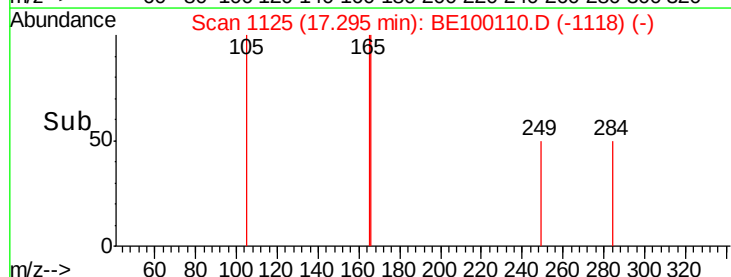
179 15.5 12.0 18.0

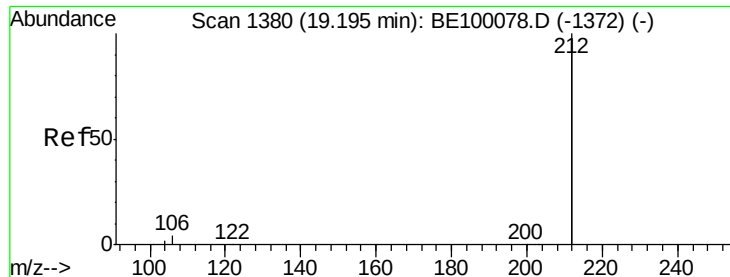


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.036 ng

RT: 19.20 min Scan# 1380

Delta R.T. 0.00 min

Lab File: BE100110.D

Acq: 20 Jun 2019 16:26

Instrument :

BNA_E

ClientSampleId :

MW-5_061219MSD

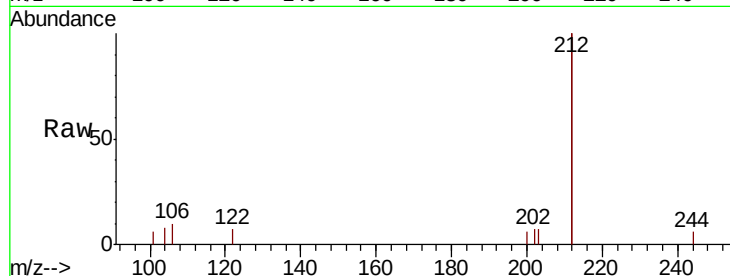
Tot Ion:212 Resp: 2228

Ion Ratio Lower Upper

212 100

106 2.1 1.4 2.0#

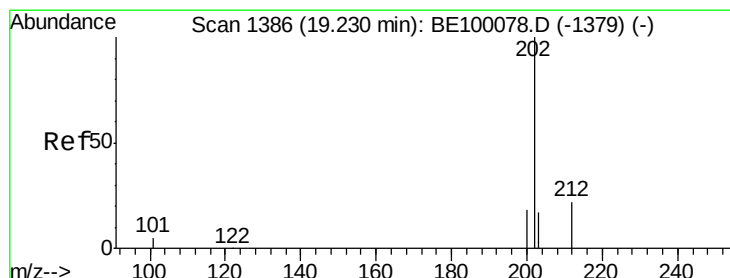
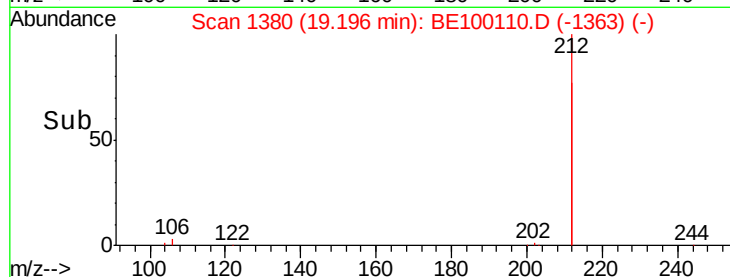
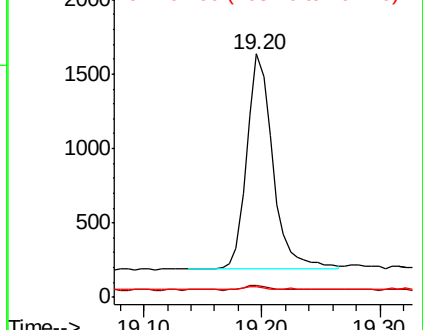
104 1.2 0.8 1.2#



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: 0.386 ng

RT: 19.23 min Scan# 1386

Delta R.T. 0.00 min

Lab File: BE100110.D

Acq: 20 Jun 2019 16:26

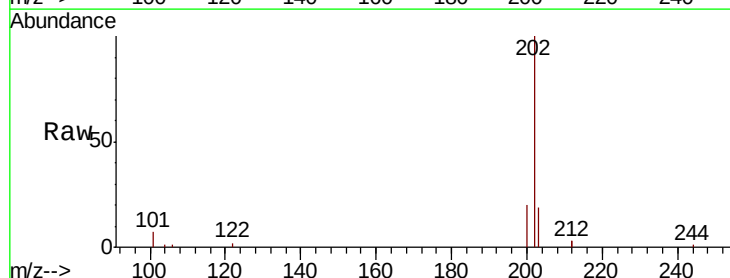
Tgt Ion:202 Resp: 6496

Ion Ratio Lower Upper

202 100

101 6.3 5.0 7.4

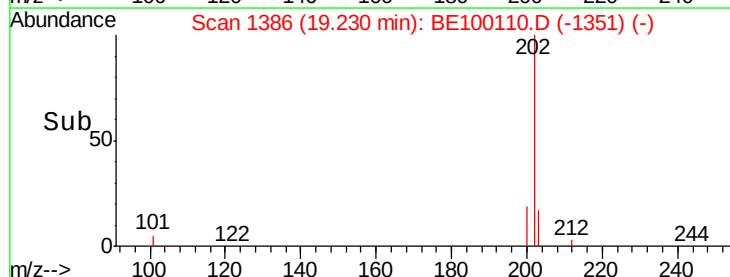
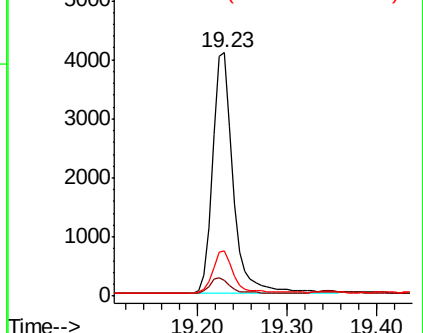
203 17.1 13.7 20.5

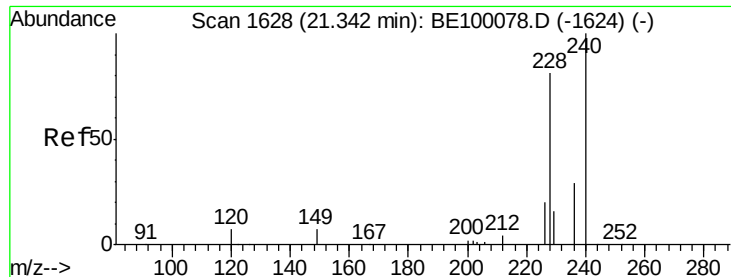


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

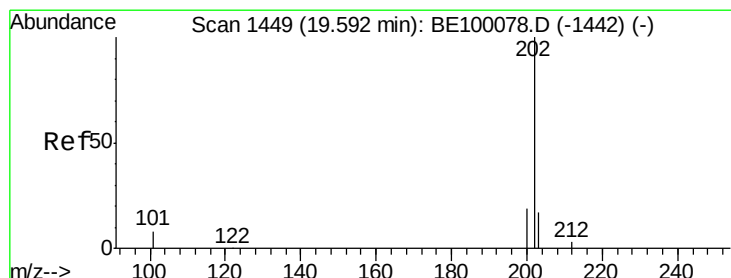
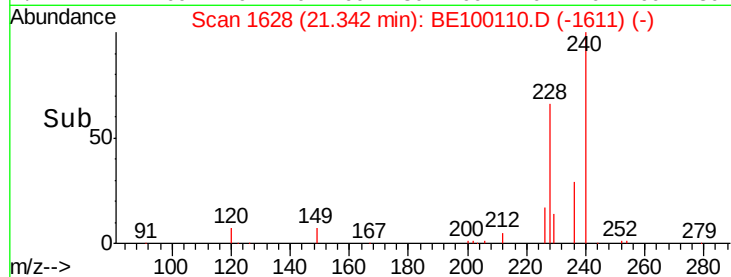
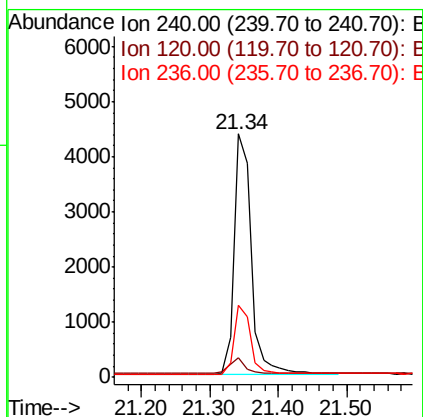
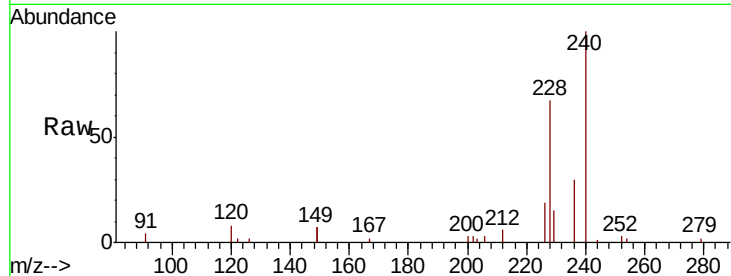




#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.34 min Scan# 1628
Delta R.T. 0.00 min
Lab File: BE100110.D
Acq: 20 Jun 2019 16:26

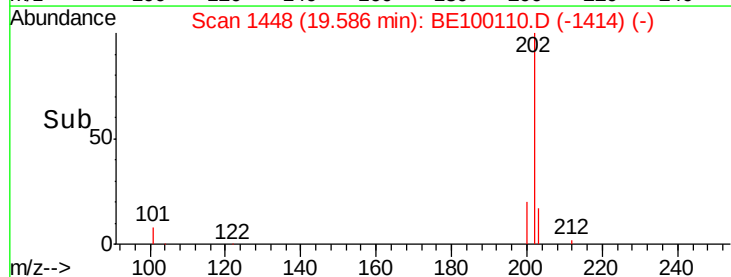
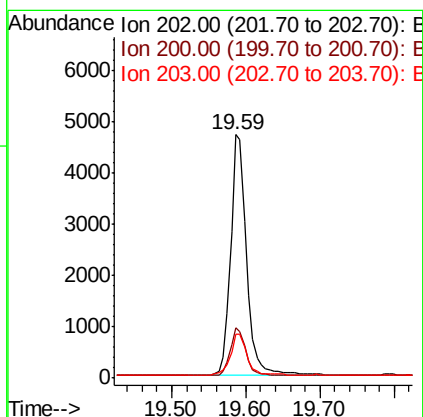
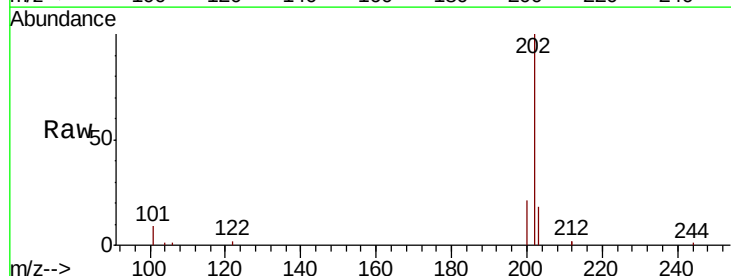
Instrument :
BNA_E
ClientSampleId :
MW-5_061219MSD

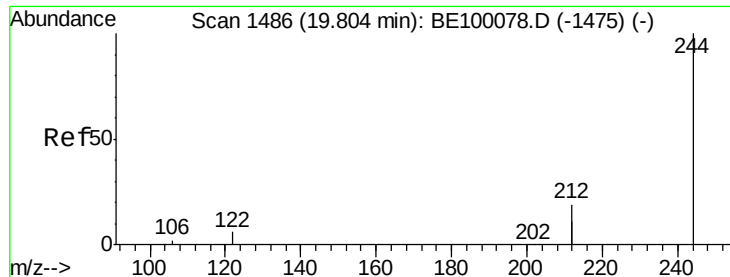
Tot Ion:240 Resp: 7629
Ion Ratio Lower Upper
240 100
120 8.2 6.6 10.0
236 29.6 23.8 35.6



#28
Pyrene
Concen: 0.358 ng
RT: 19.59 min Scan# 1448
Delta R.T. -0.01 min
Lab File: BE100110.D
Acq: 20 Jun 2019 16:26

Tgt Ion:202 Resp: 7013
Ion Ratio Lower Upper
202 100
200 19.6 15.6 23.4
203 17.7 13.9 20.9





#29

Terphenyl-d14

Concen: 0.488 ng

RT: 19.79 min Scan# 1484

Delta R.T. -0.01 min

Lab File: BE100110.D

Acq: 20 Jun 2019 16:26

Instrument :

BNA_E

ClientSampleId :

MW-5_061219MSD

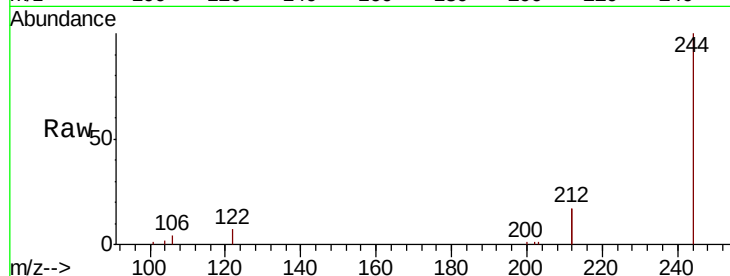
Tot Ion:244 Resp: 7442

Ion Ratio Lower Upper

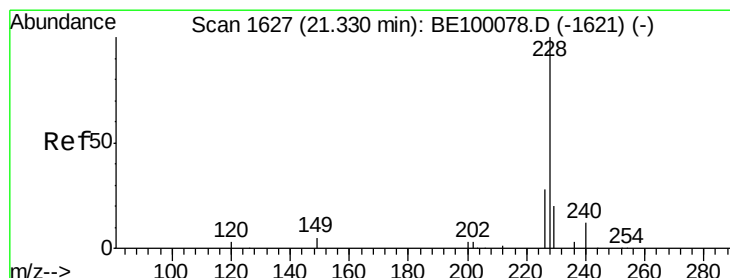
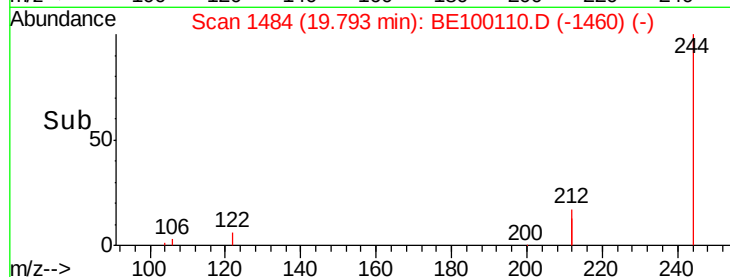
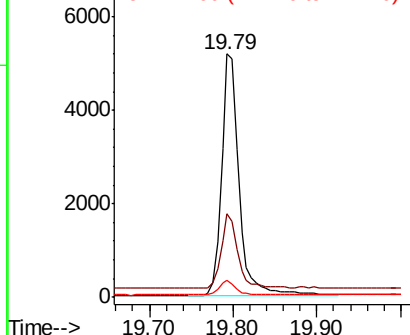
244 100

212 34.3 29.8 44.8

122 7.0 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: 0.408 ng

RT: 21.33 min Scan# 1627

Delta R.T. 0.00 min

Lab File: BE100110.D

Acq: 20 Jun 2019 16:26

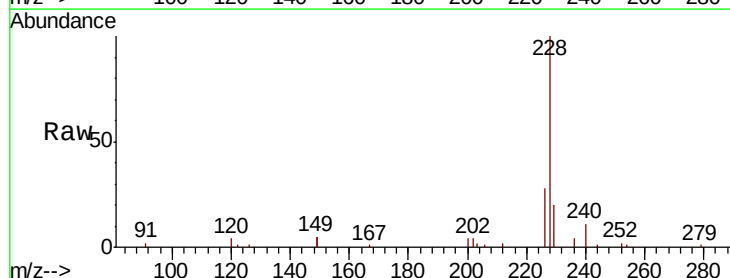
Tgt Ion:228 Resp: 9258

Ion Ratio Lower Upper

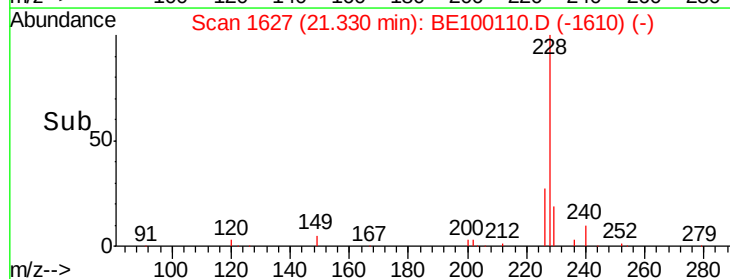
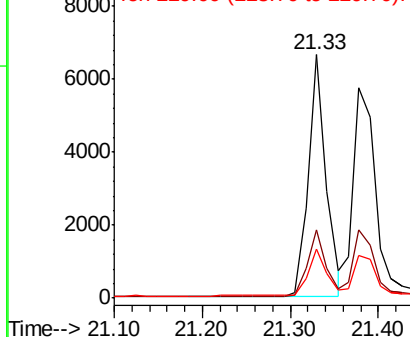
228 100

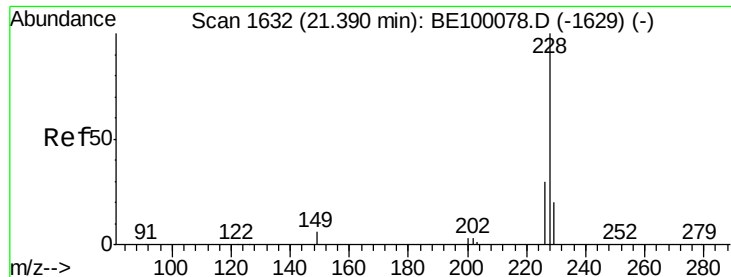
226 28.0 23.0 34.4

229 20.0 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: 0.372 ng

RT: 21.38 min Scan# 1631

Delta R.T. -0.01 min

Lab File: BE100110.D

Acq: 20 Jun 2019 16:26

Instrument :

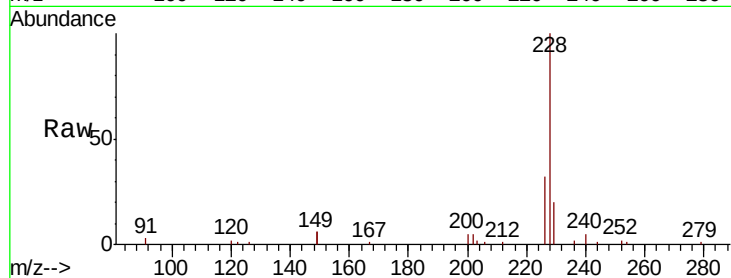
BNA_E

ClientSampleId :

MW-5_061219MSD

Tot Ion:228 Resp: 9797

Ion	Ratio	Lower	Upper
228	100		
226	32.4	23.8	35.8
229	20.4	16.3	24.5

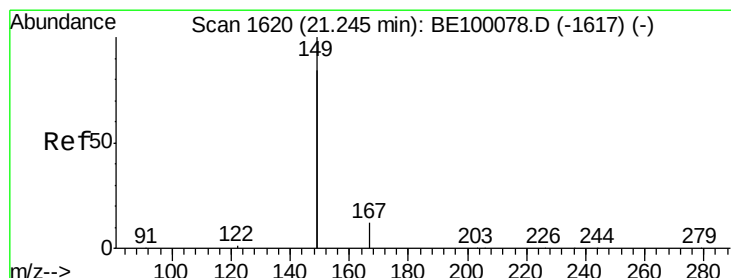
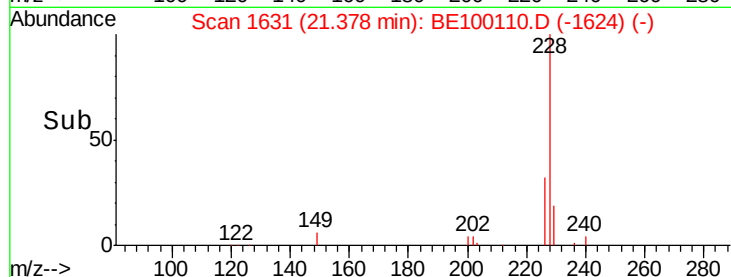
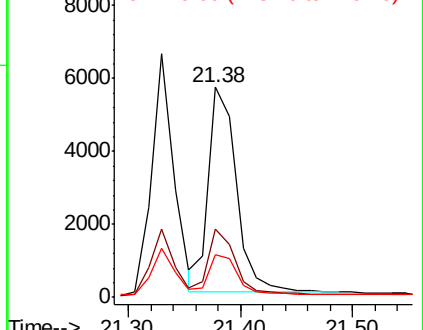


Abundance

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: 0.690 ng

RT: 21.25 min Scan# 1620

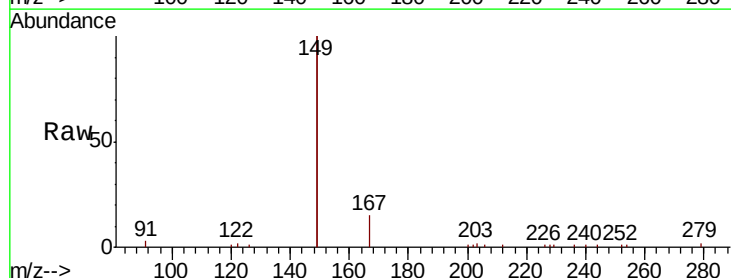
Delta R.T. 0.00 min

Lab File: BE100110.D

Acq: 20 Jun 2019 16:26

Tgt Ion:149 Resp: 14783

Ion	Ratio	Lower	Upper
149	100		
167	7.4	5.8	8.6
279	1.3	1.1	1.7

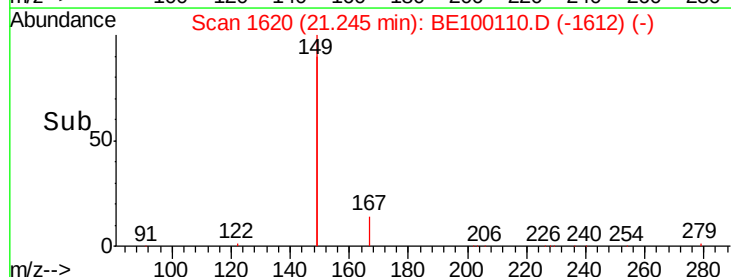
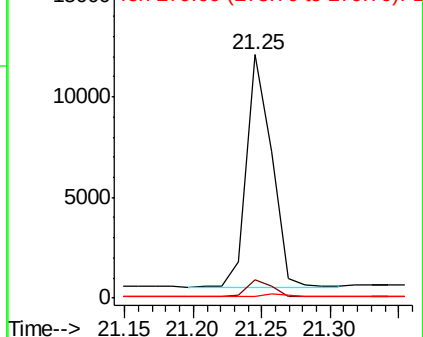


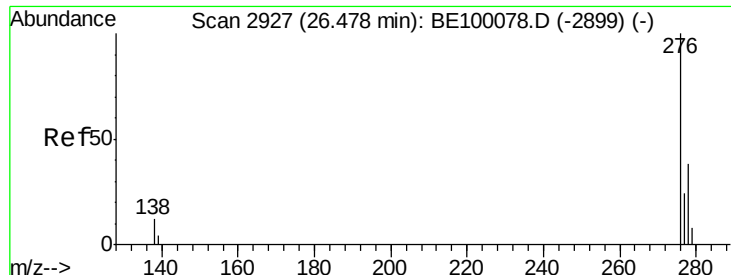
Abundance

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: 0.404 ng

RT: 26.48 min Scan# 2928

Delta R.T. 0.00 min

Lab File: BE100110.D

Acq: 20 Jun 2019 16:26

Instrument :

BNA_E

ClientSampleId :

MW-5_061219MSD

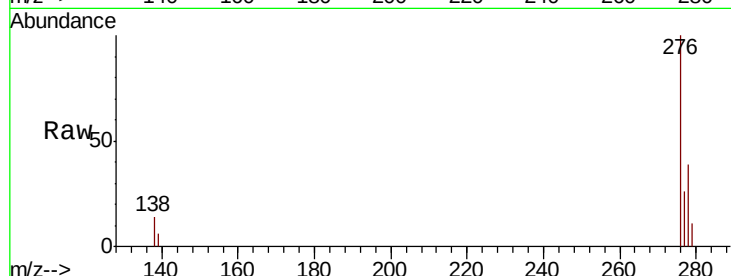
Tot Ion:276 Resp: 11996

Ion Ratio Lower Upper

276 100

138 13.3 4.3 6.5#

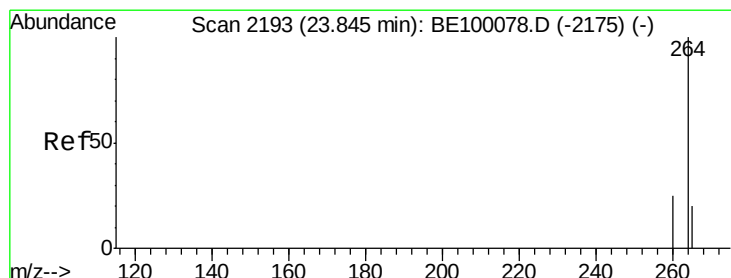
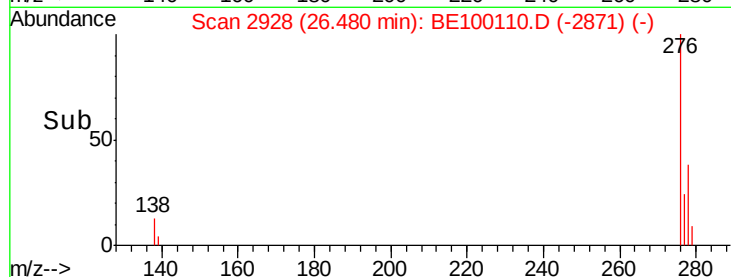
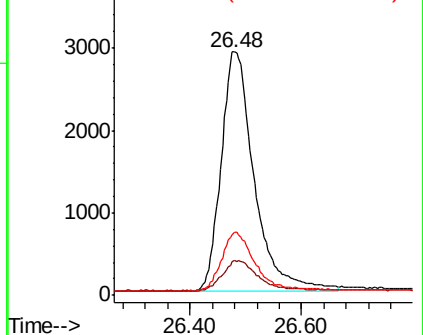
277 23.6 19.4 29.0



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: 23.85 min Scan# 2194

Delta R.T. 0.00 min

Lab File: BE100110.D

Acq: 20 Jun 2019 16:26

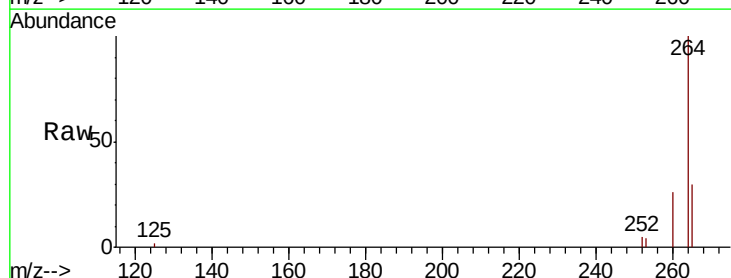
Tgt Ion:264 Resp: 9687

Ion Ratio Lower Upper

264 100

260 25.5 20.8 31.2

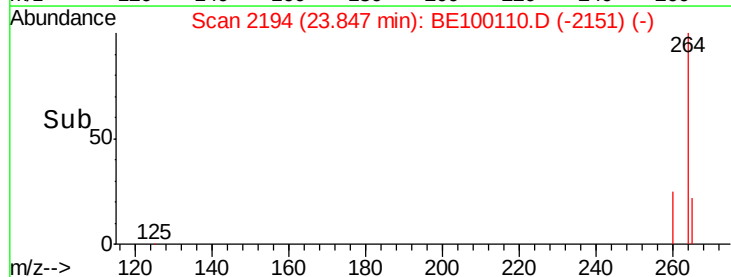
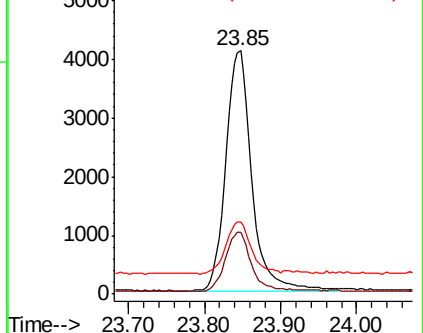
265 29.8 23.2 34.8

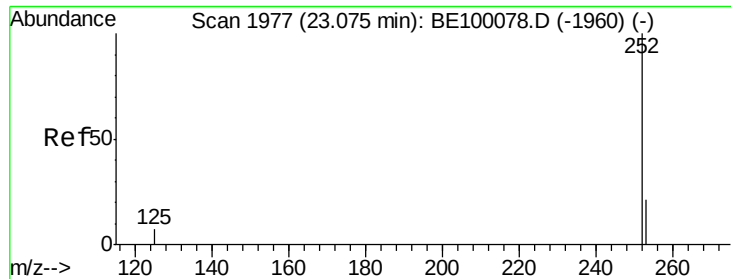


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

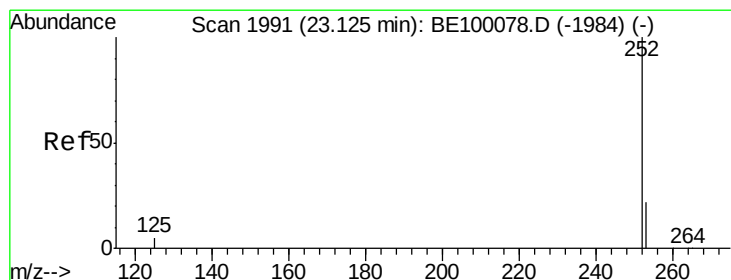
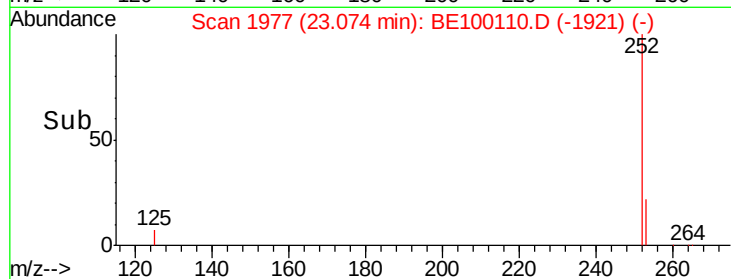
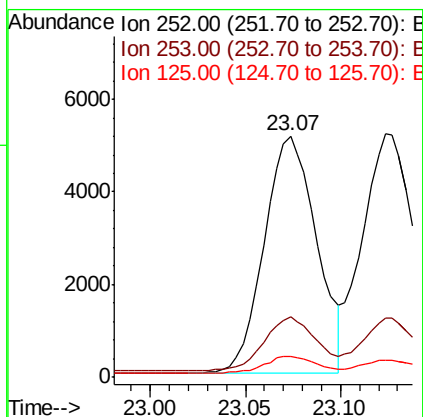
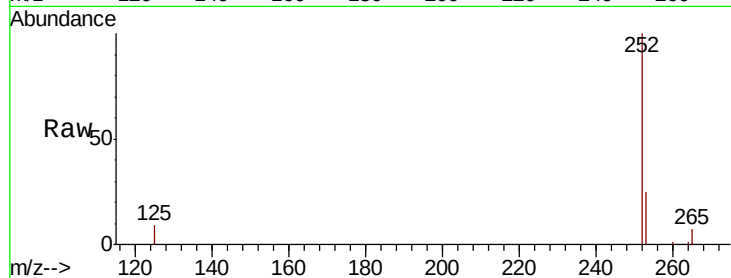




#35
Benzo(b)fluoranthene
Concen: 0.345 ng
RT: 23.07 min Scan# 1977
Delta R.T. -0.00 min
Lab File: BE100110.D
Acq: 20 Jun 2019 16:26

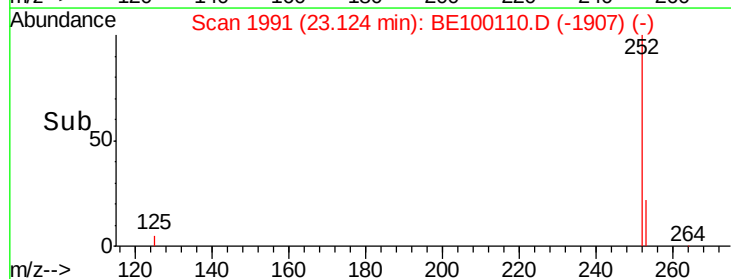
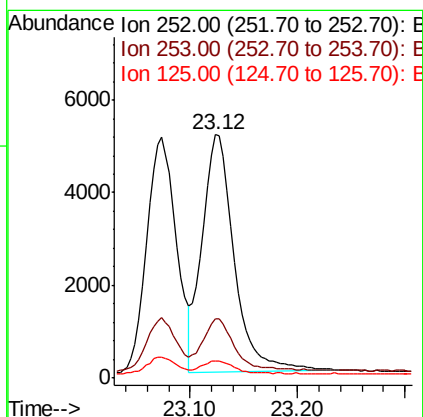
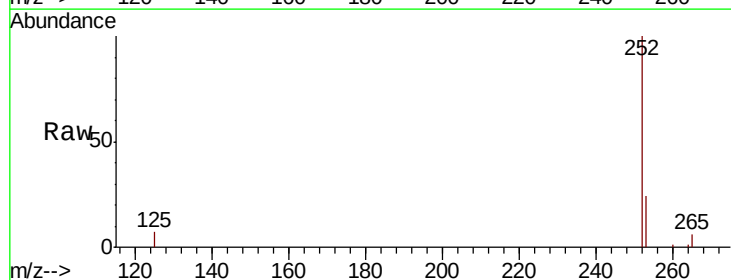
Instrument :
BNA_E
ClientSampleId :
MW-5_061219MSD

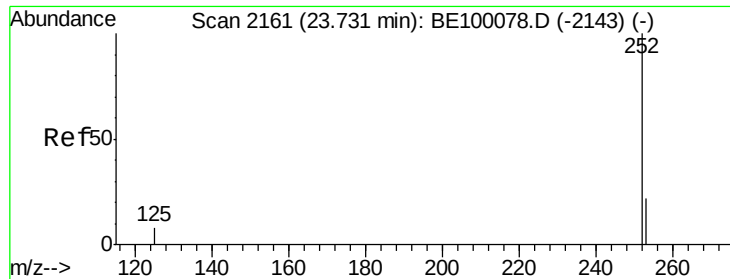
Tot Ion:252 Resp: 9801
Ion Ratio Lower Upper
252 100
253 24.9 18.4 27.6
125 8.7 6.4 9.6



#36
Benzo(k)fluoranthene
Concen: 0.329 ng
RT: 23.12 min Scan# 1991
Delta R.T. -0.00 min
Lab File: BE100110.D
Acq: 20 Jun 2019 16:26

Tgt Ion:252 Resp: 10623
Ion Ratio Lower Upper
252 100
253 24.1 18.9 28.3
125 7.1 5.3 7.9

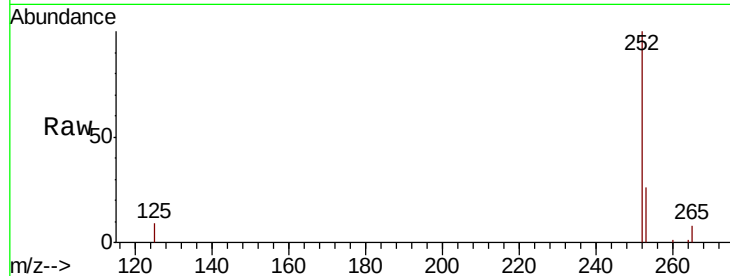




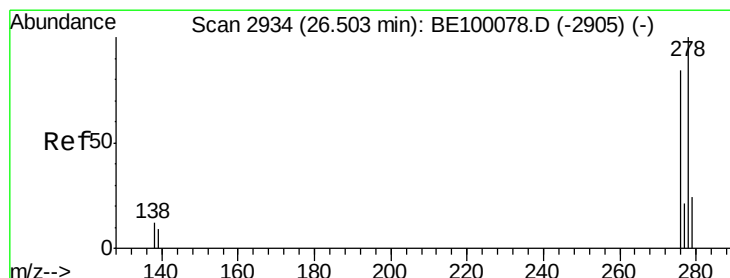
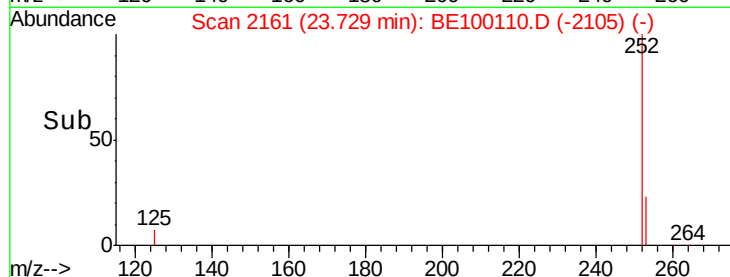
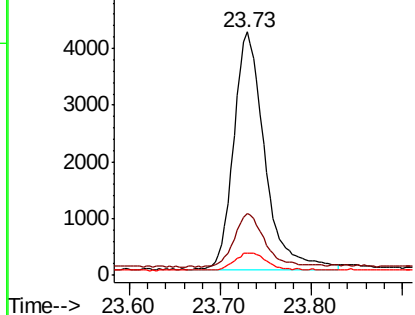
#37
Benzo(a)pyrene
Concen: 0.363 ng
RT: 23.73 min Scan# 2161
Delta R.T. -0.00 min
Lab File: BE100110.D
Acq: 20 Jun 2019 16:26

Instrument :
BNA_E
ClientSampleId :
MW-5_061219MSD

Tot Ion:252 Resp: 9961
Ion Ratio Lower Upper
252 100
253 25.5 19.4 29.2
125 8.9 8.0 12.0

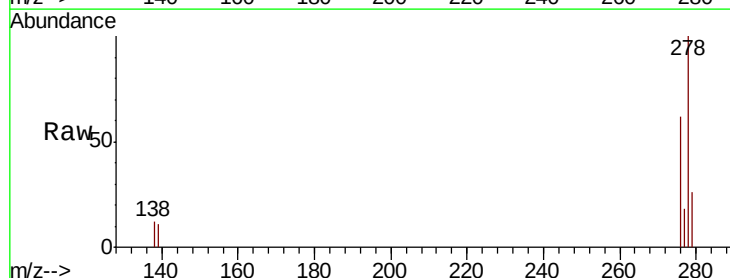


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

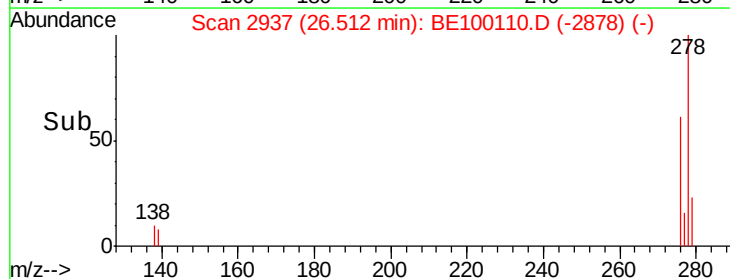
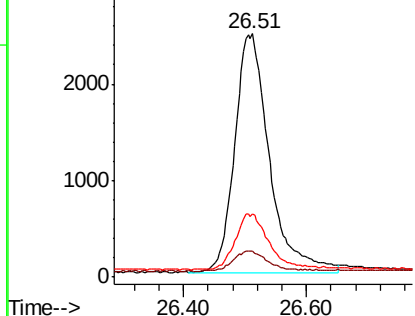


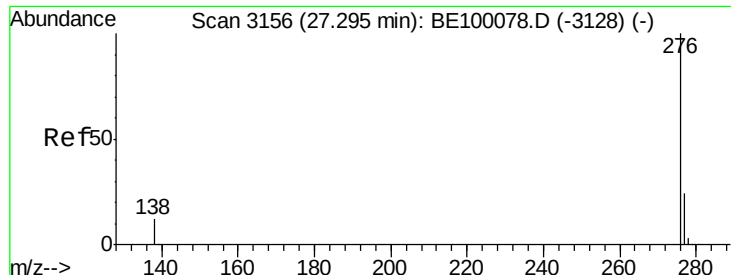
#38
Dibenzo(a,h)anthracene
Concen: 0.343 ng
RT: 26.51 min Scan# 2937
Delta R.T. 0.01 min
Lab File: BE100110.D
Acq: 20 Jun 2019 16:26

Tgt Ion:278 Resp: 9644
Ion Ratio Lower Upper
278 100
139 10.7 9.0 13.6
279 25.7 21.4 32.0



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 0.354 ng

RT: 27.29 min Scan# 3156

Delta R.T. -0.00 min

Lab File: BE100110.D

Acq: 20 Jun 2019 16:26

Instrument :

BNA_E

ClientSampleId :

MW-5_061219MSD

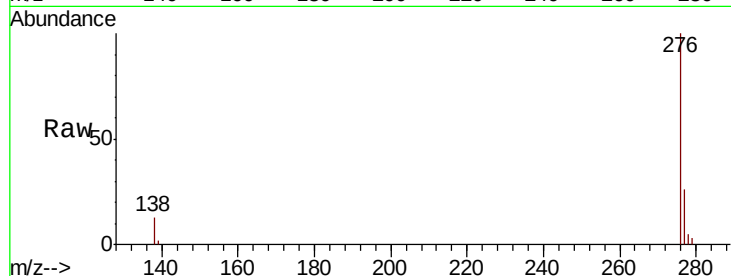
Tot Ion: 276 Resp: 10359

Ion Ratio Lower Upper

276 100

277 25.6 20.3 30.5

138 13.2 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

