

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE062019\
 Data File : BE100109.D
 Acq On : 20 Jun 2019 15:26
 Operator : JU/SJ
 Sample : K3345-09MS
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 MW-5_061219MS

Quant Time: Jun 21 01:44:50 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	549	0.40	ng	-0.01
7) Naphthalene-d8	10.52	136	1956	0.40	ng	-0.01
13) Acenaphthene-d10	14.40	164	1533	0.40	ng	-0.01
19) Phenanthrene-d10	17.15	188	4995	0.40	ng	-0.01
27) Chrysene-d12	21.34	240	8120	0.40	ng	0.00
34) Perylene-d12	23.83	264	9995	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.29	112	267	0.23	ng	-0.01
5) Phenol-d6	6.92	99	167	0.11	ng	-0.01
8) Nitrobenzene-d5	8.90	82	762	0.40	ng	-0.01
11) 2-Methylnaphthalene-d10	12.11	152	880	0.24	ng	-0.04
14) 2,4,6-Tribromophenol	15.90	330	378	0.45	ng	-0.01
15) 2-Fluorobiphenyl	13.03	172	3158	0.52	ng	-0.01
25) Fluoranthene-d10	19.19	212	2603	0.04	ng	0.00
29) Terphenyl-d14	19.79	244	8322	0.51	ng	-0.02

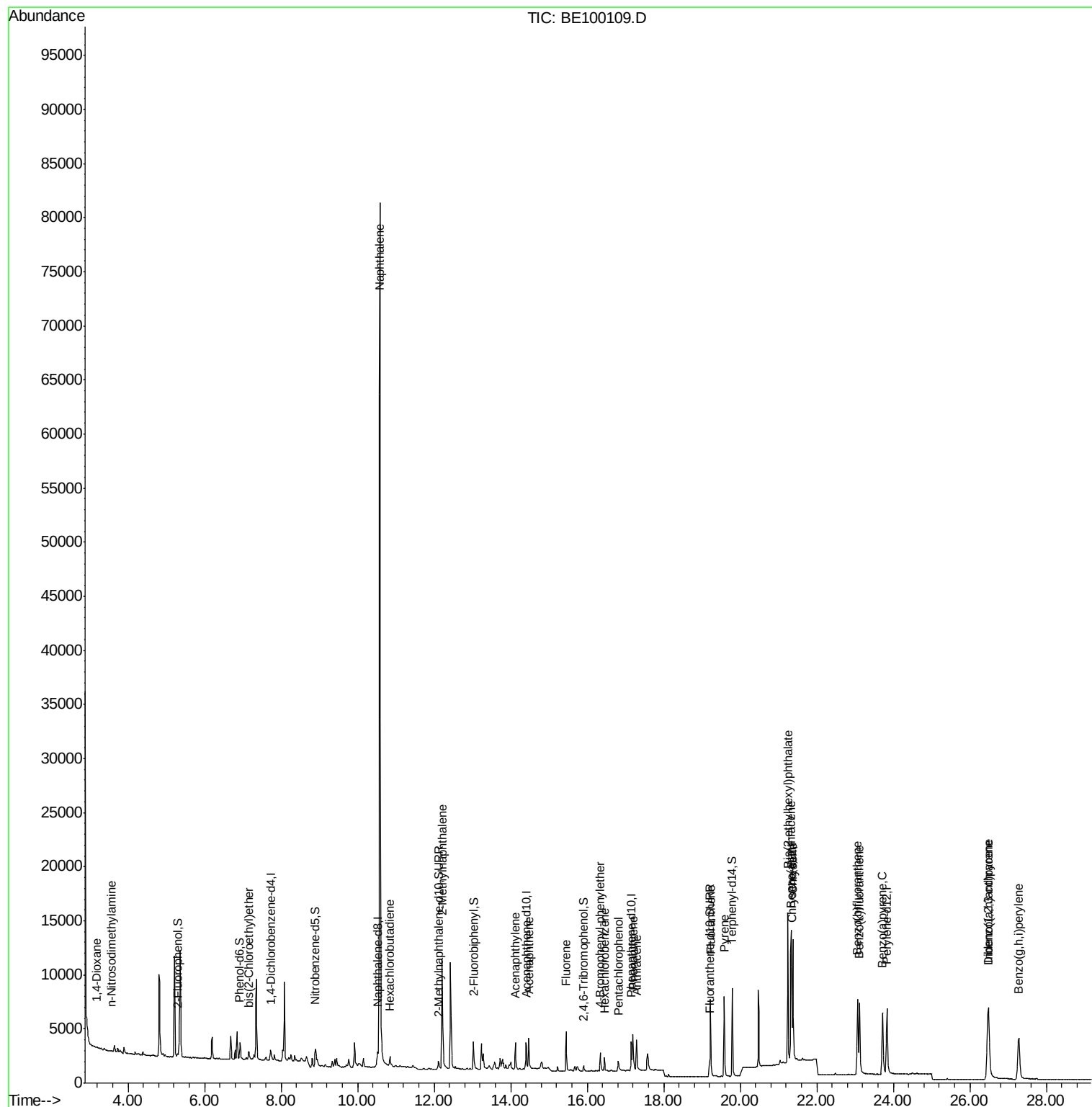
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.19	88	104	0.118	ng	# 47
3) n-Nitrosodimethylamine	3.55	42	53	0.433	ng	# 100
6) bis(2-Chloroethyl)ether	7.16	93	508	0.348	ng	78
9) Naphthalene	10.58	128	146611	6.898	ng	# 97
10) Hexachlorobutadiene	10.85	225	666	0.319	ng	99
12) 2-Methylnaphthalene	12.21	142	8402	2.404	ng	94
16) Acenaphthylene	14.13	152	2672	0.367	ng	97
17) Acenaphthene	14.47	154	1498	0.368	ng	98
18) Fluorene	15.45	166	2417	0.399	ng	97
20) 4-Bromophenyl-phenylether	16.34	248	1112	0.375	ng	92
21) Hexachlorobenzene	16.45	284	1071	0.327	ng	99
22) Pentachlorophenol	16.81	266	748	0.945	ng	82
23) Phenanthrene	17.20	178	4577	0.382	ng	98
24) Anthracene	17.29	178	4043	0.401	ng	98
26) Fluoranthene	19.22	202	7428	0.387	ng	99
28) Pyrene	19.58	202	7933	0.380	ng	99
30) Benzo(a)anthracene	21.32	228	10079	0.417	ng	99
31) Chrysene	21.38	228	10163	0.362	ng	100
32) Bis(2-ethylhexyl)phthalate	21.25	149	15536	0.682	ng	100
33) Indeno(1,2,3-cd)pyrene	26.47	276	12347	0.391	ng	# 96
35) Benzo(b)fluoranthene	23.07	252	10300	0.351	ng	97
36) Benzo(k)fluoranthene	23.11	252	10823	0.324	ng	100
37) Benzo(a)pyrene	23.72	252	10262	0.362	ng	98
38) Dibenzo(a,h)anthracene	26.49	278	10065	0.347	ng	99
39) Benzo(g,h,i)perylene	27.27	276	10822	0.359	ng	98

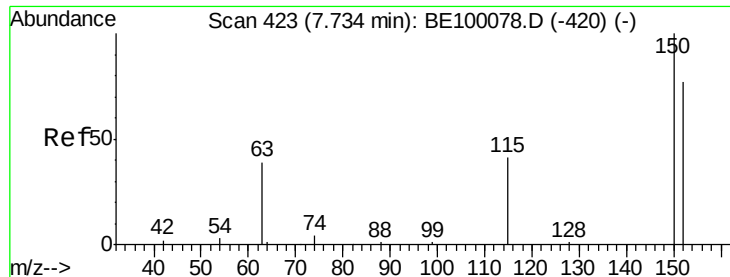
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.72 min Scan# 422

Delta R.T. -0.01 min

Lab File: BE100109.D

Acq: 20 Jun 2019 15:26

Instrument :

BNA_E

ClientSampleId :

MW-5 061219MS

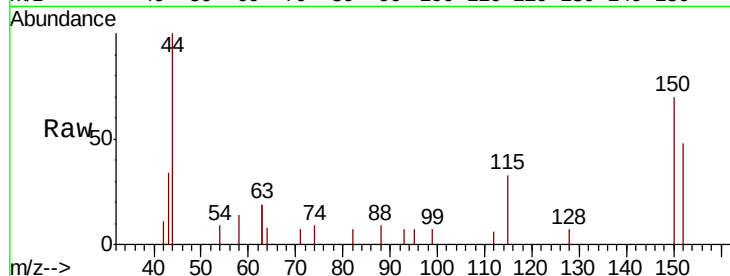
Tgt Ion: 152 Resp: 549

Ion Ratio Lower Upper

152 100

150 145.5 99.8 149.8

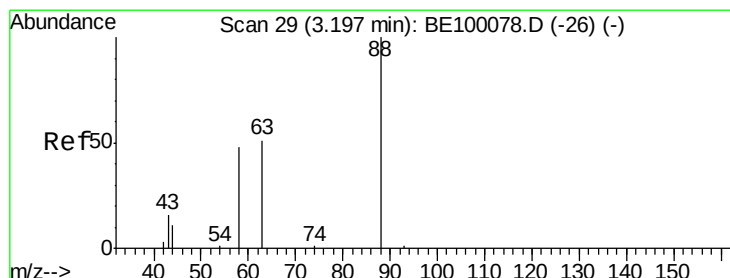
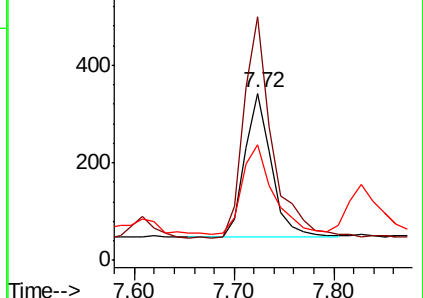
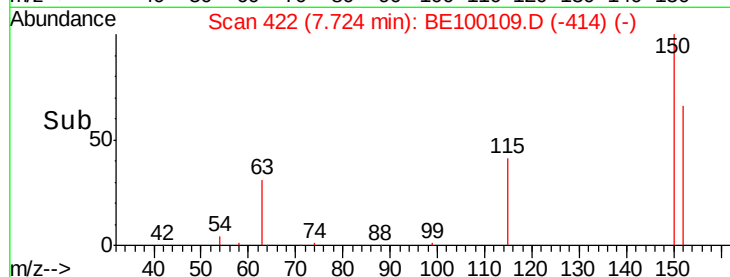
115 69.4 51.3 76.9



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 0.118 ng

RT: 3.19 min Scan# 28

Delta R.T. -0.01 min

Lab File: BE100109.D

Acq: 20 Jun 2019 15:26

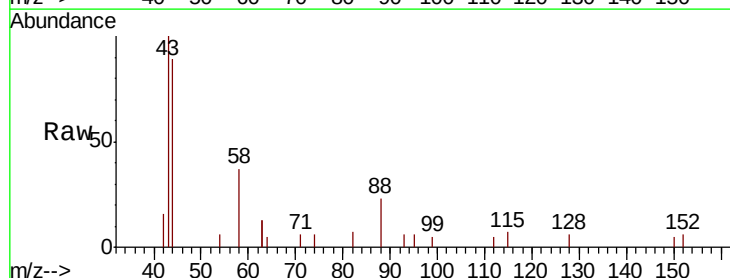
Tgt Ion: 88 Resp: 104

Ion Ratio Lower Upper

88 100

58 105.8 51.1 76.7#

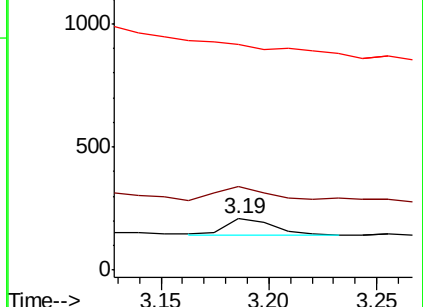
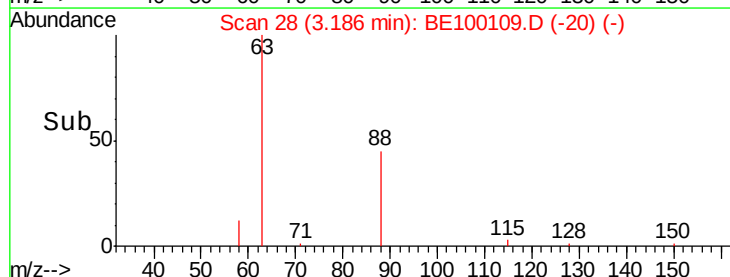
43 0.0 21.7 32.5#

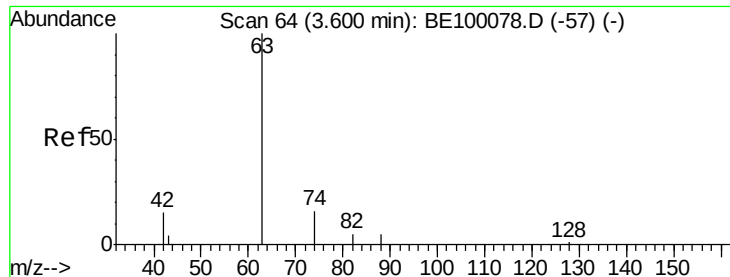


Abundance Ion 88.00 (87.70 to 88.70): BE1

Ion 58.00 (57.70 to 58.70): BE1

Ion 43.00 (42.70 to 43.70): BE1





#3

n-Nitrosodimethylamine

Concen: 0.433 ng

RT: 3.55 min Scan# 60

Delta R.T. -0.04 min

Lab File: BE100109.D

Acq: 20 Jun 2019 15:26

Instrument :

BNA_E

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MW-5_061219MS

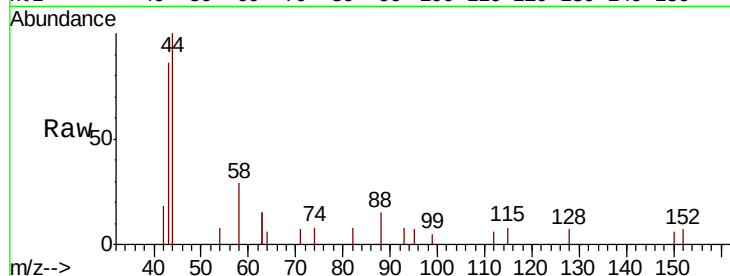
Tgt Ion: 42 Resp: 53

Ion Ratio Lower Upper

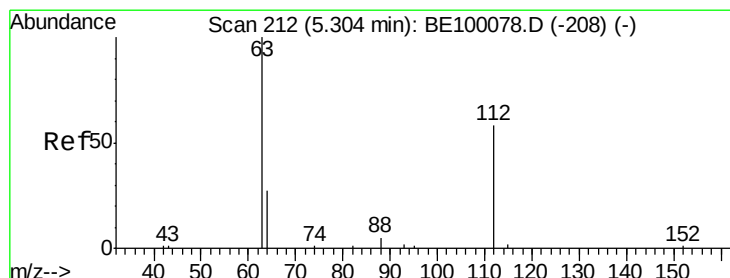
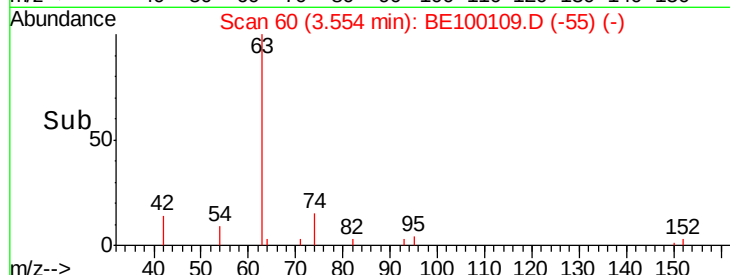
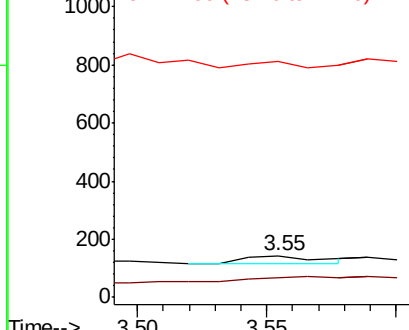
42 100

74 126.4 0.0 0.0#

44 0.0 0.0 0.0



Abundance Ion 42.00 (41.70 to 42.70): BE1
Ion 74.00 (73.70 to 74.70): BE1
Ion 44.00 (43.70 to 44.70): BE1



#4

2-Fluorophenol

Concen: 0.234 ng

RT: 5.29 min Scan# 211

Delta R.T. -0.01 min

Lab File: BE100109.D

Acq: 20 Jun 2019 15:26

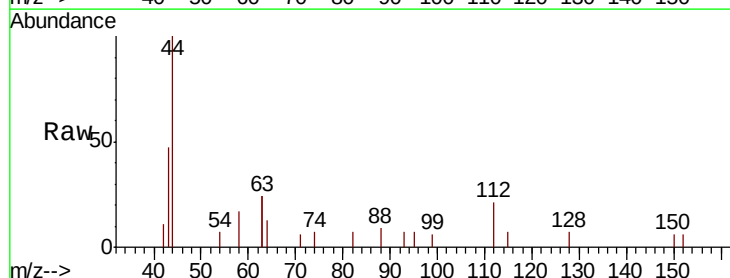
Tgt Ion: 112 Resp: 267

Ion Ratio Lower Upper

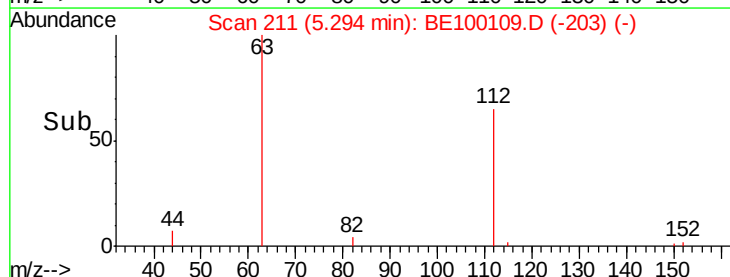
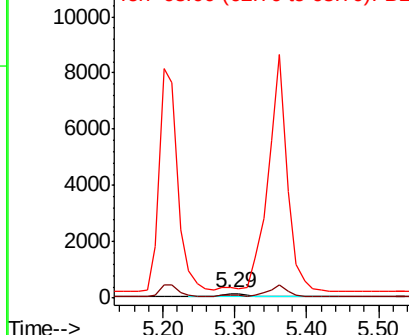
112 100

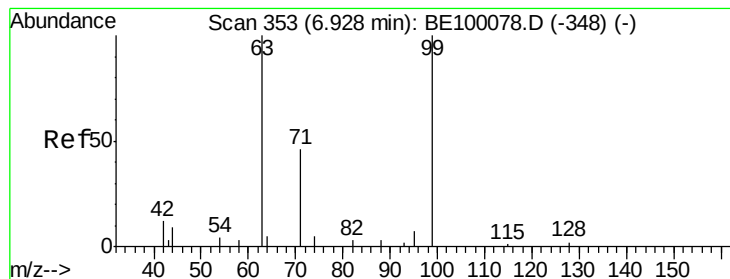
64 37.8 22.0 33.0#

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: 0.107 ng

RT: 6.92 min Scan# 352

Delta R.T. -0.01 min

Lab File: BE100109.D

Acq: 20 Jun 2019 15:26

Instrument :

BNA_E

ClientSampleId :

MW-5_061219MS

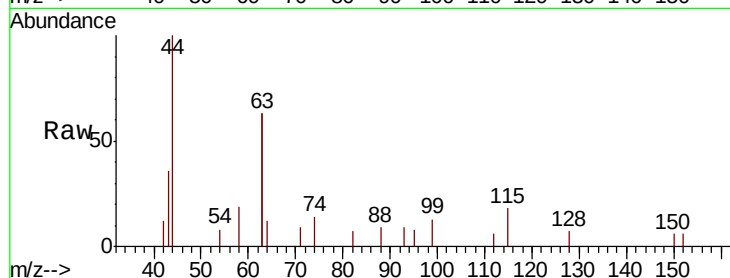
Tgt Ion: 99 Resp: 167

Ion Ratio Lower Upper

99 100

42 38.9 0.0 0.0#

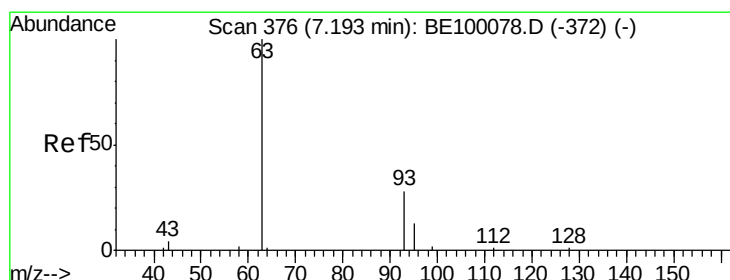
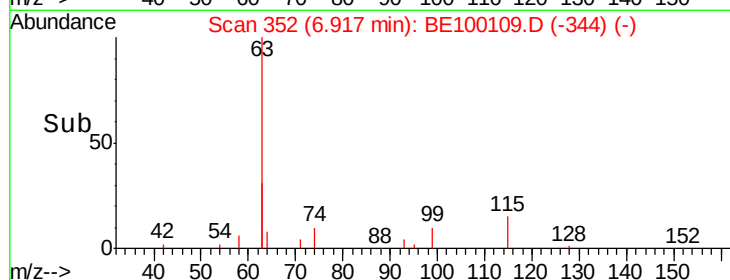
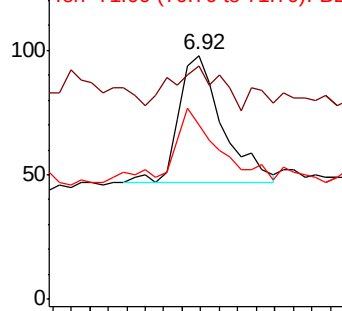
71 50.3 37.6 56.4



Abundance Ion 99.00 (98.70 to 99.70): BE1

Ion 42.00 (41.70 to 42.70): BE1

Ion 71.00 (70.70 to 71.70): BE1



#6

bis(2-Chloroethyl)ether

Concen: 0.348 ng

RT: 7.16 min Scan# 373

Delta R.T. -0.03 min

Lab File: BE100109.D

Acq: 20 Jun 2019 15:26

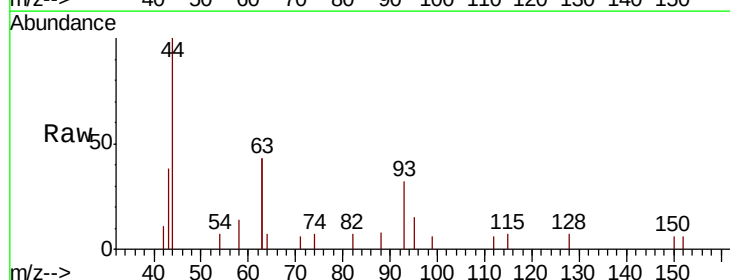
Tgt Ion: 93 Resp: 508

Ion Ratio Lower Upper

93 100

63 208.7 200.0 300.0

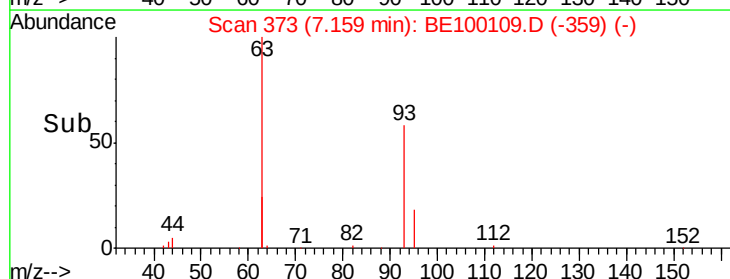
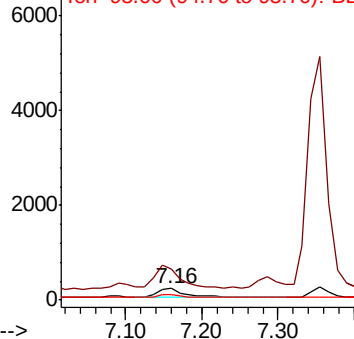
95 33.9 24.0 36.0

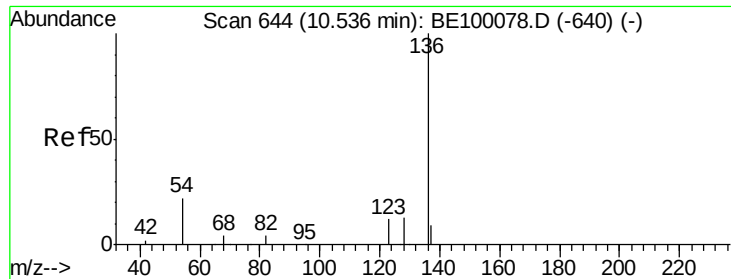


Abundance Ion 93.00 (92.70 to 93.70): BE1

Ion 63.00 (62.70 to 63.70): BE1

Ion 95.00 (94.70 to 95.70): BE1





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.52 min Scan# 643

Delta R.T. -0.01 min

Lab File: BE100109.D

Acq: 20 Jun 2019 15:26

Instrument :

BNA_E

ClientSampleId :

MW-5_061219MS

Tgt Ion: 136 Resp: 1956

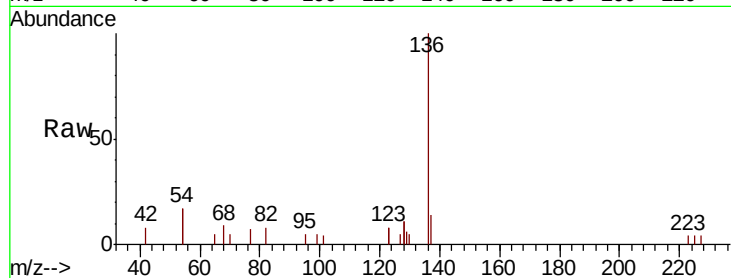
Ion Ratio Lower Upper

136 100

137 14.4 11.6 17.4

54 34.8 33.9 50.9

68 8.8 7.8 11.8

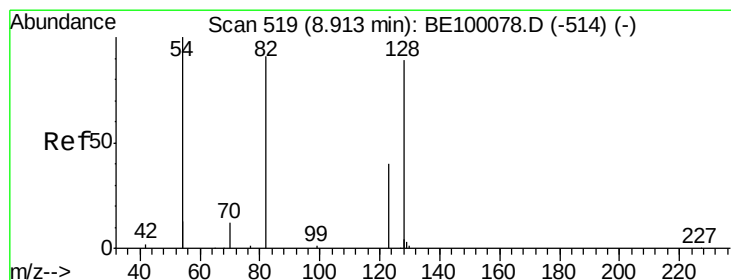
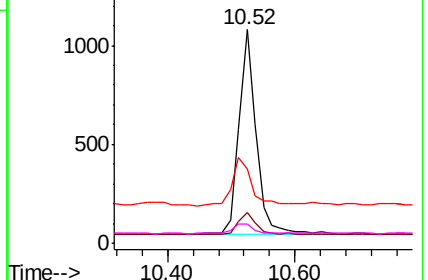
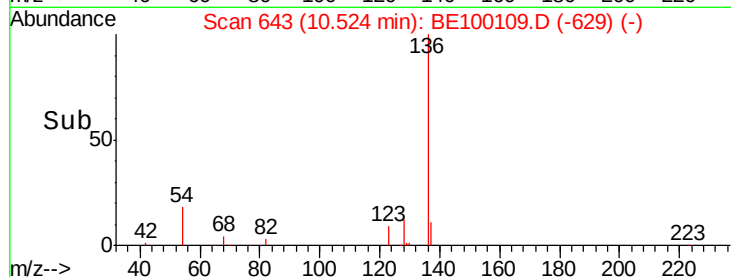


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.402 ng

RT: 8.90 min Scan# 518

Delta R.T. -0.01 min

Lab File: BE100109.D

Acq: 20 Jun 2019 15:26

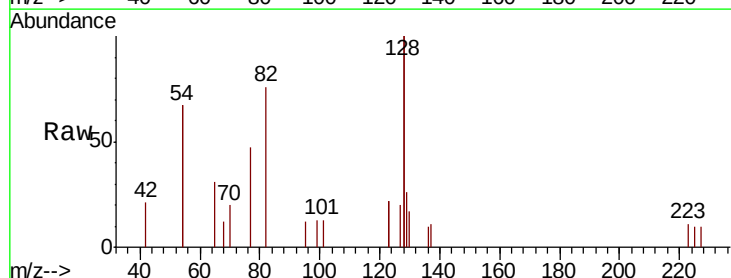
Tgt Ion: 82 Resp: 762

Ion Ratio Lower Upper

82 100

128 264.6 128.0 192.0#

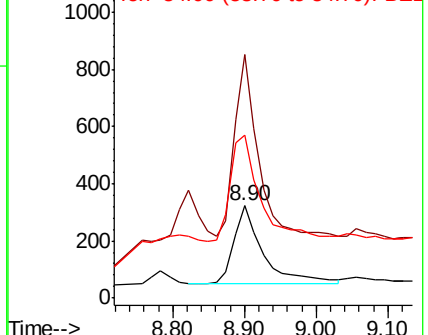
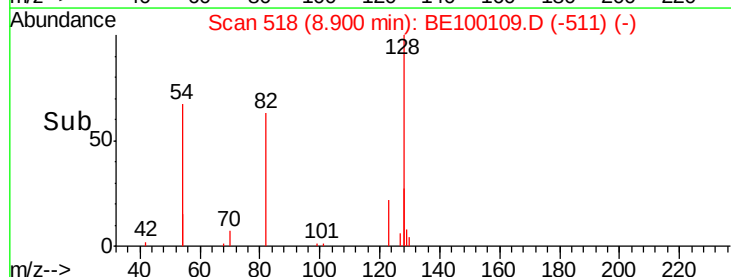
54 177.6 143.4 215.0

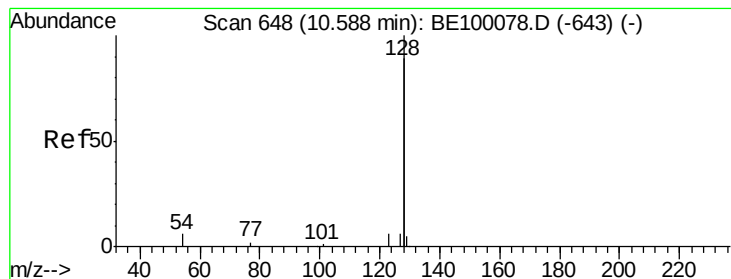


Abundance Ion 82.00 (81.70 to 82.70): BE1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE1





#9

Naphthalene

Concen: 6.898 ng

RT: 10.58 min Scan# 647

Delta R.T. -0.01 min

Lab File: BE100109.D

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ClientSampleId :

MW-5 061219MS

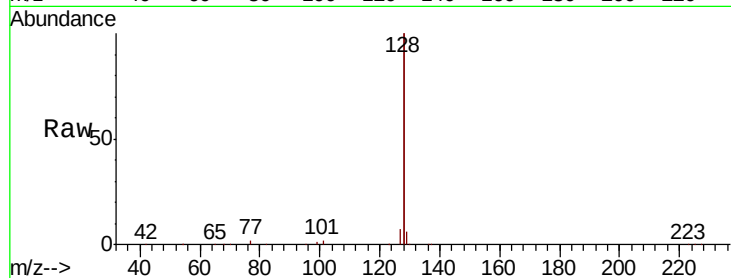
Tgt Ion:128 Resp: 146611

Ion Ratio Lower Upper

128 100

129 2.9 3.1 4.7#

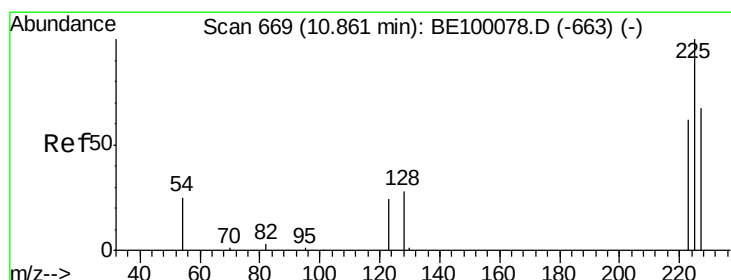
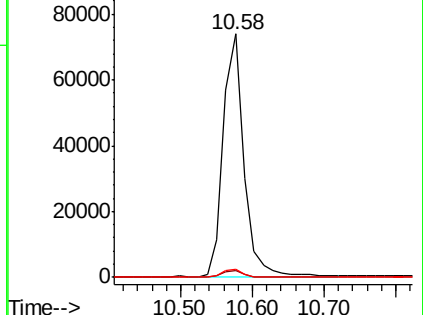
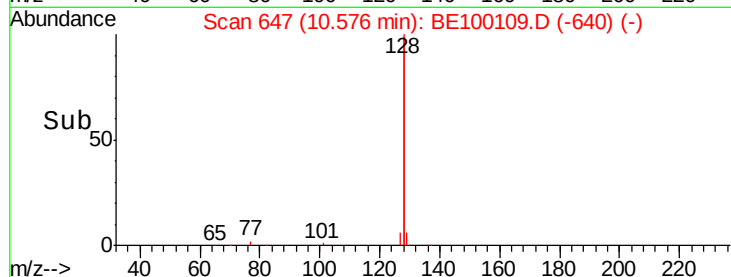
127 3.3 3.4 5.2#



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



#10

Hexachlorobutadiene

Concen: 0.319 ng

RT: 10.85 min Scan# 668

Delta R.T. -0.01 min

Lab File: BE100109.D

Acq: 20 Jun 2019 15:26

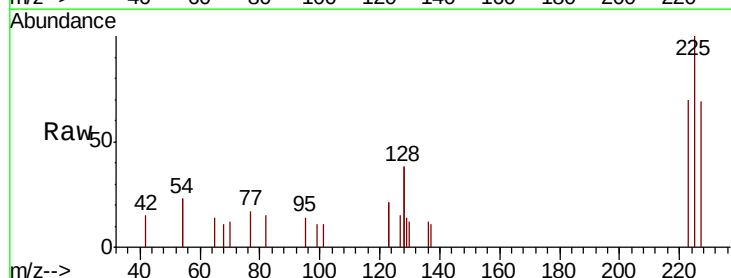
Tgt Ion:225 Resp: 666

Ion Ratio Lower Upper

225 100

223 65.6 52.2 78.4

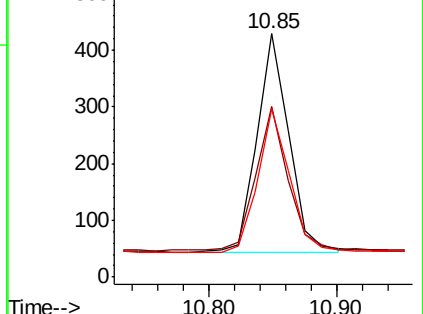
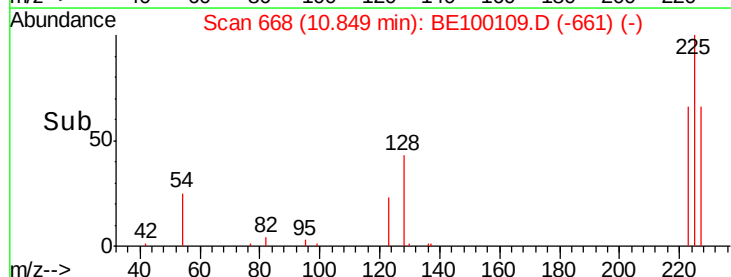
227 64.6 53.0 79.6

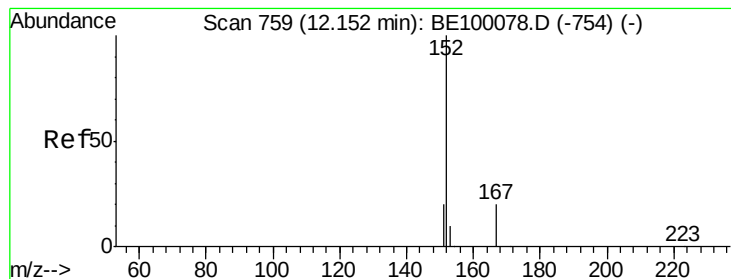


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.237 ng

RT: 12.11 min Scan# 756

Delta R.T. -0.04 min

Lab File: BE100109.D

Acq: 20 Jun 2019 15:26

Instrument :

BNA_E

ClientSampleId :

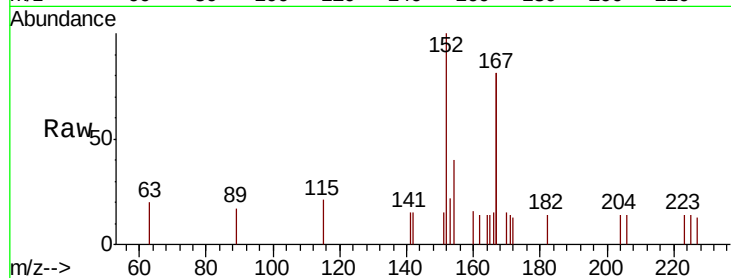
MW-5_061219MS

Tgt Ion:152 Resp: 880

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

12.11

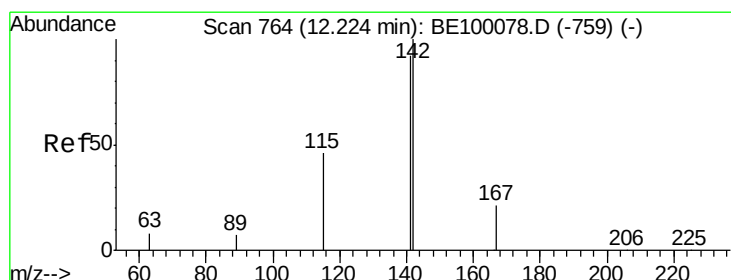
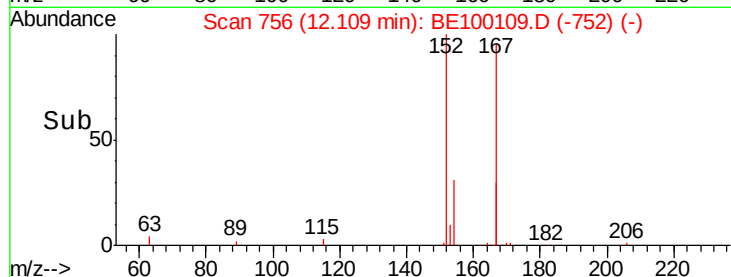
300

200

100

0

Time-->



#12

2-Methylnaphthalene

Concen: 2.404 ng

RT: 12.21 min Scan# 763

Delta R.T. -0.01 min

Lab File: BE100109.D

Acq: 20 Jun 2019 15:26

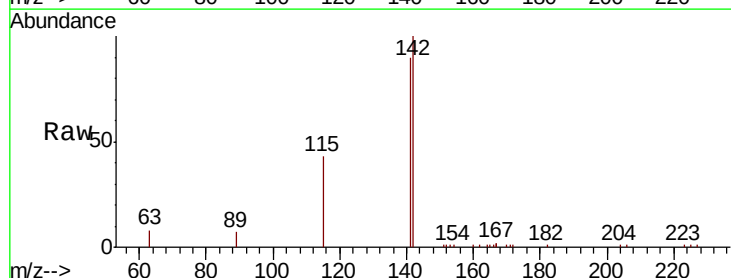
Tgt Ion:142 Resp: 8402

Ion Ratio Lower Upper

142 100

141 89.5 74.1 111.1

115 42.7 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

12.21

4000

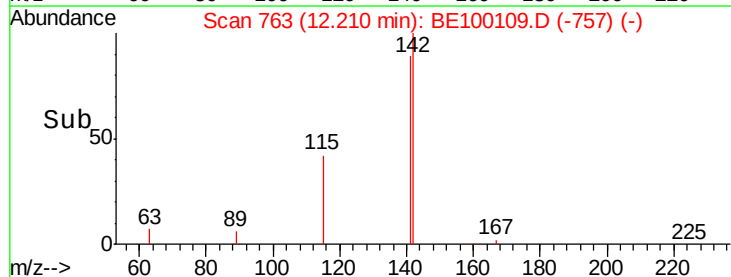
3000

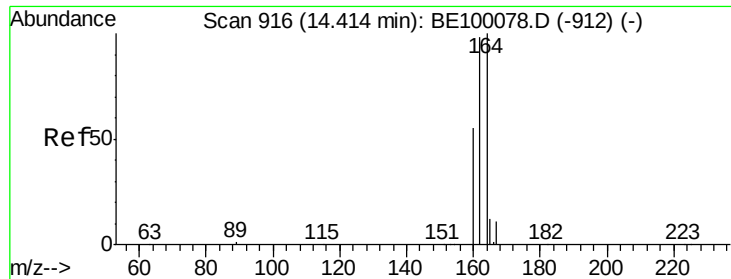
2000

1000

0

Time-->

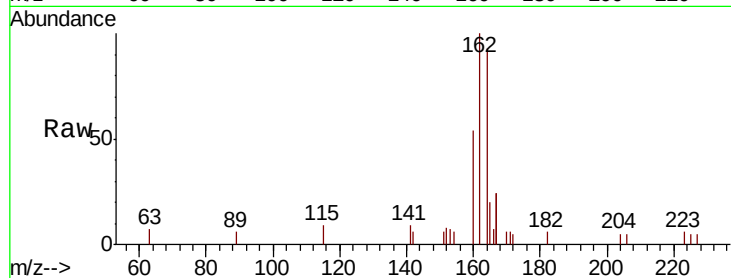




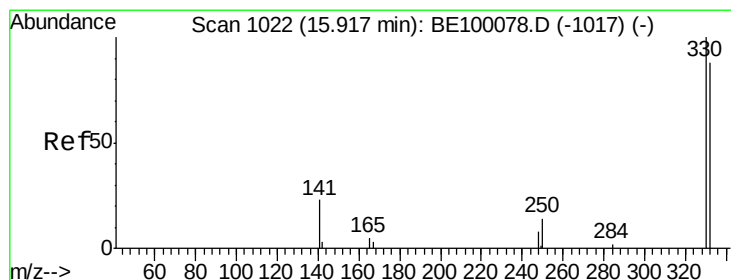
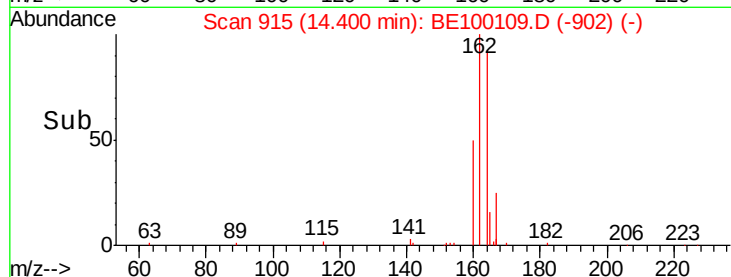
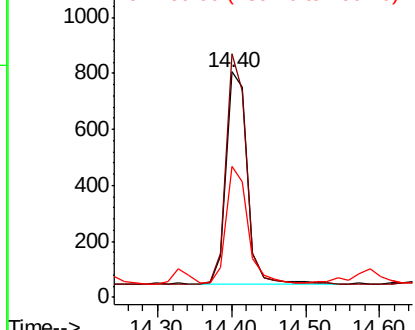
#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.40 min Scan# 915
 Delta R.T. -0.01 min
 Lab File: BE100109.D
 Acq: 20 Jun 2019 15:26

Instrument :
 BNA_E
 ClientSampleId :
 MW-5_061219MS

Tgt Ion:164 Resp: 1533
 Ion Ratio Lower Upper
 164 100
 162 108.0 78.2 117.2
 160 58.1 45.6 68.4

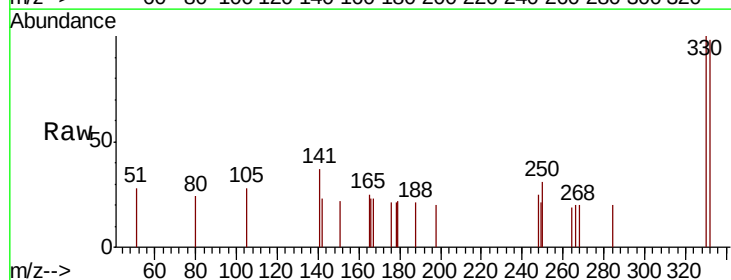


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

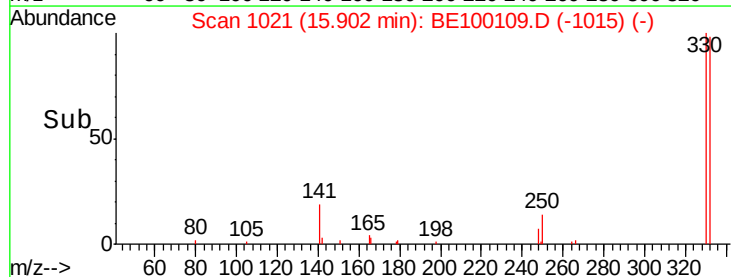
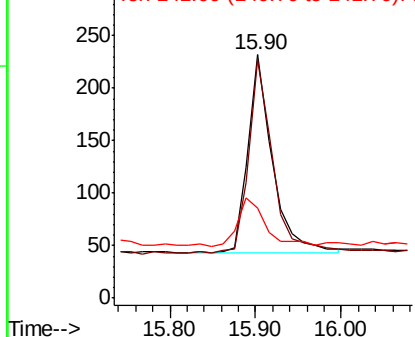


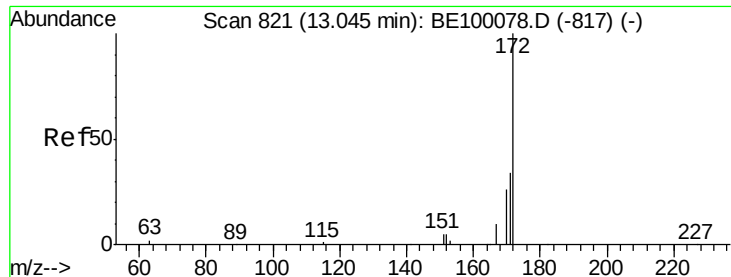
#14
 2,4,6-Tribromophenol
 Concen: 0.446 ng
 RT: 15.90 min Scan# 1021
 Delta R.T. -0.01 min
 Lab File: BE100109.D
 Acq: 20 Jun 2019 15:26

Tgt Ion:330 Resp: 378
 Ion Ratio Lower Upper
 330 100
 332 97.6 73.3 109.9
 141 26.5 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

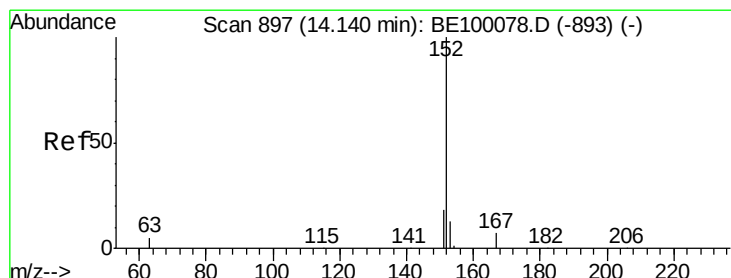
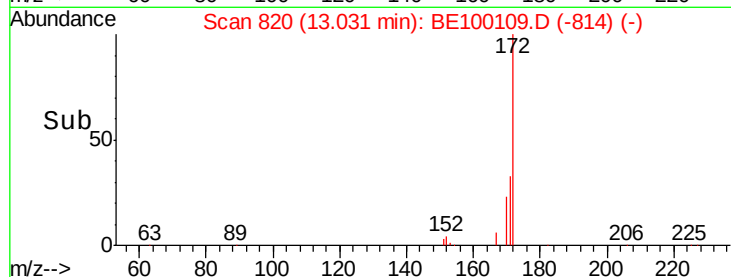
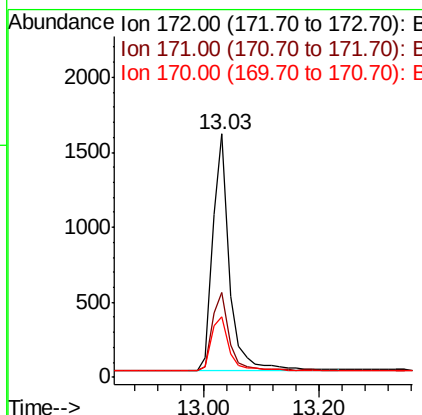
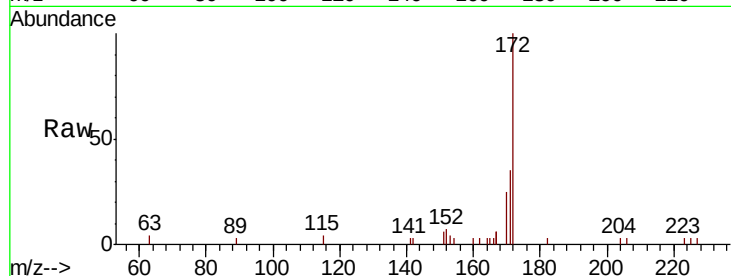




#15
2-Fluorobiphenyl
Concen: 0.524 ng
RT: 13.03 min Scan# 820
Delta R.T. -0.01 min
Lab File: BE100109.D
Acq: 20 Jun 2019 15:26

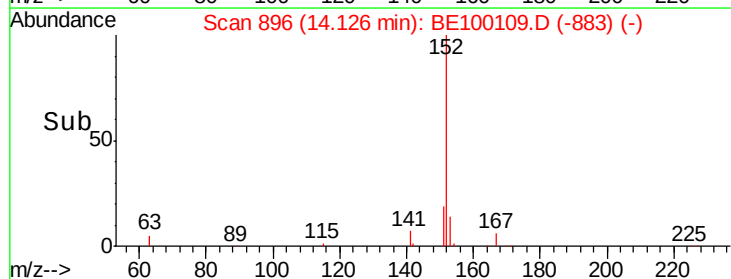
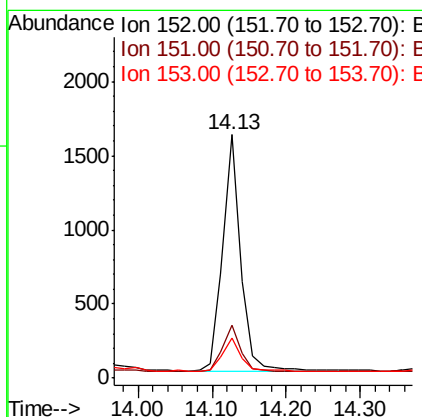
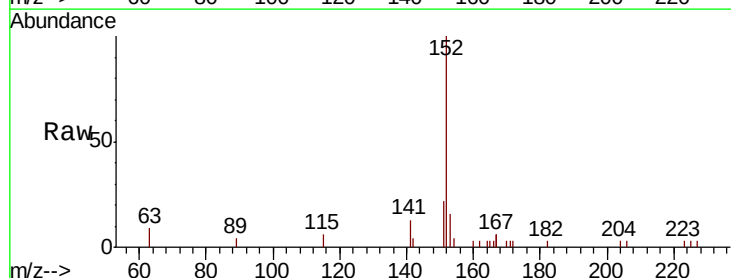
Instrument :
BNA_E
ClientSampleId :
MW-5_061219MS

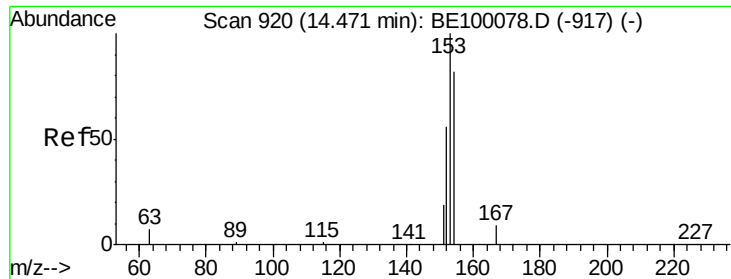
Tgt Ion:172 Resp: 3158
Ion Ratio Lower Upper
172 100
171 34.9 29.8 44.8
170 24.9 23.2 34.8



#16
Acenaphthylene
Concen: 0.367 ng
RT: 14.13 min Scan# 896
Delta R.T. -0.01 min
Lab File: BE100109.D
Acq: 20 Jun 2019 15:26

Tgt Ion:152 Resp: 2672
Ion Ratio Lower Upper
152 100
151 19.6 15.9 23.9
153 14.9 10.1 15.1

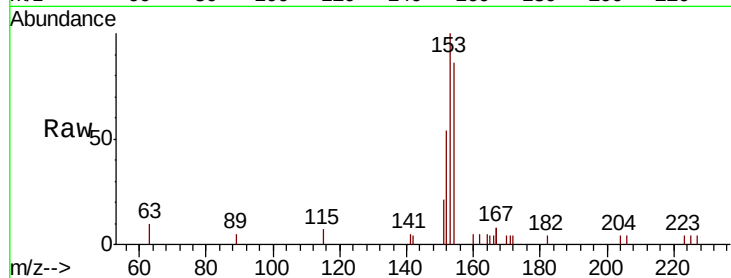




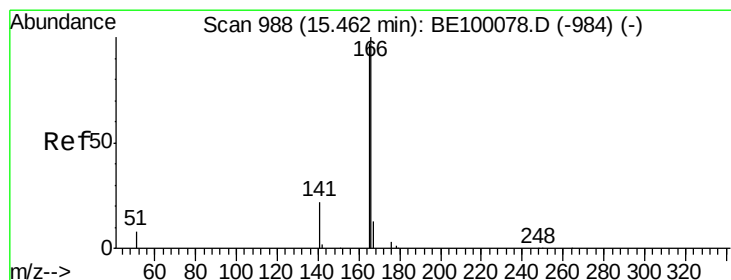
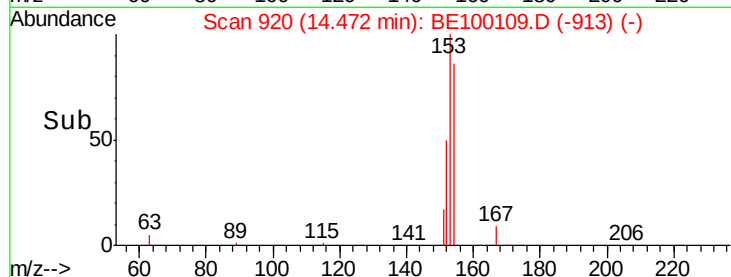
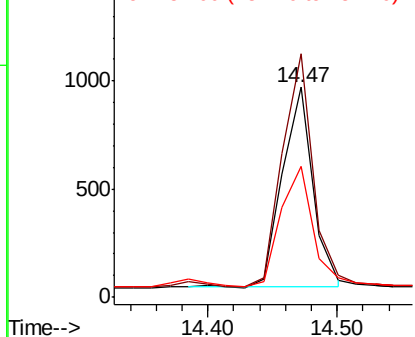
#17
Acenaphthene
Concen: 0.368 ng
RT: 14.47 min Scan# 920
Delta R.T. 0.00 min
Lab File: BE100109.D
Acq: 20 Jun 2019 15:26

Instrument :
BNA_E
ClientSampleId :
MW-5_061219MS

Tgt Ion:154 Resp: 1498
Ion Ratio Lower Upper
154 100
153 118.2 95.5 143.3
152 64.8 54.9 82.3

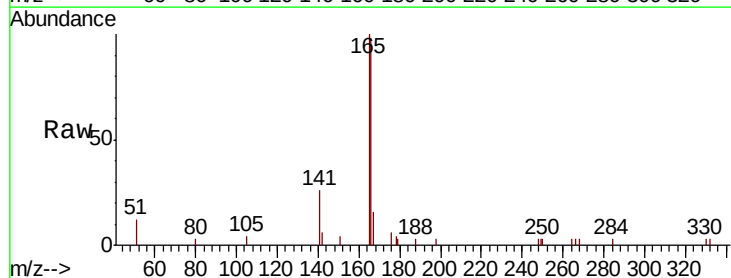


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

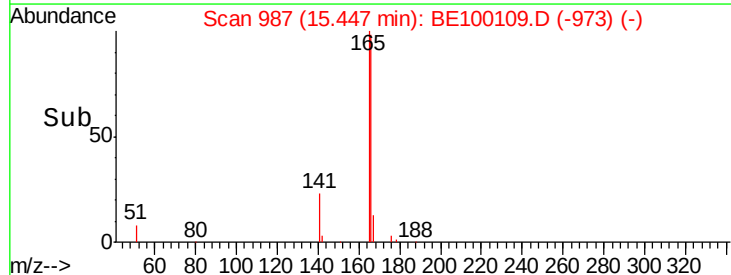
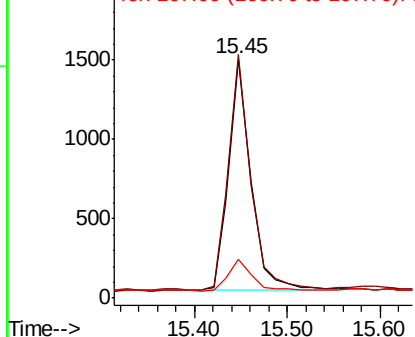


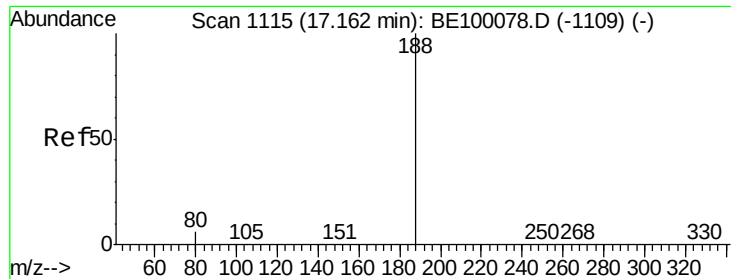
#18
Fluorene
Concen: 0.399 ng
RT: 15.45 min Scan# 987
Delta R.T. -0.01 min
Lab File: BE100109.D
Acq: 20 Jun 2019 15:26

Tgt Ion:166 Resp: 2417
Ion Ratio Lower Upper
166 100
165 102.6 79.8 119.8
167 14.5 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

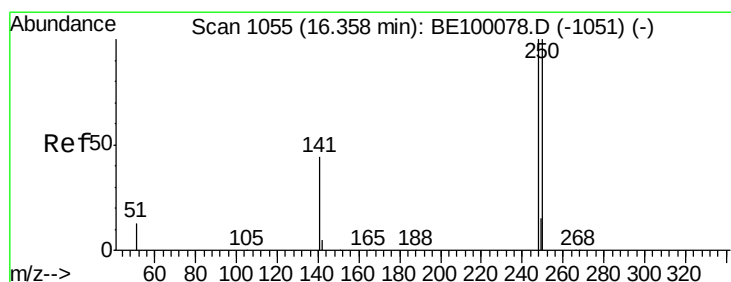
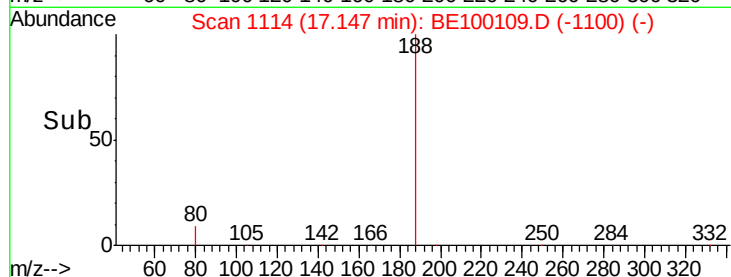
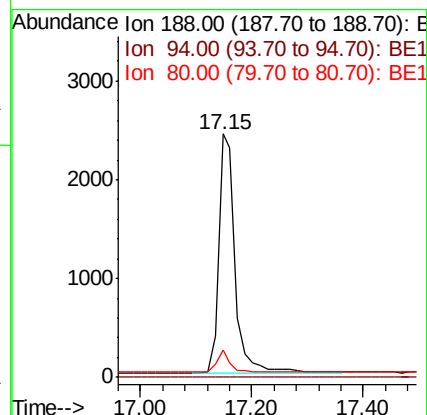
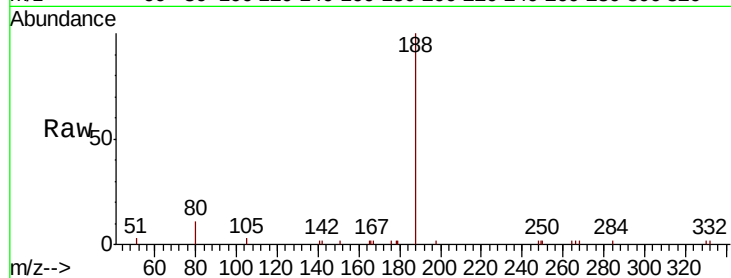




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.15 min Scan# 1114
Delta R.T. -0.01 min
Lab File: BE100109.D
Acq: 20 Jun 2019 15:26

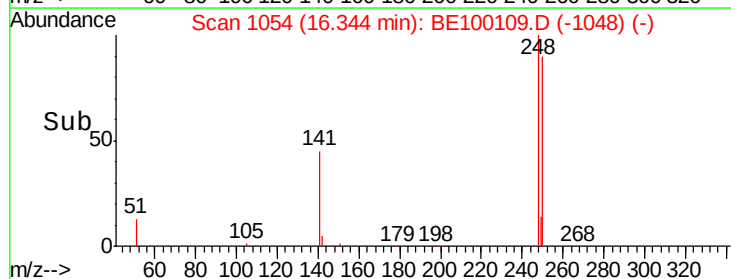
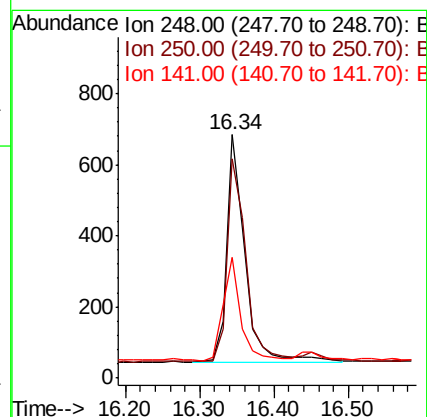
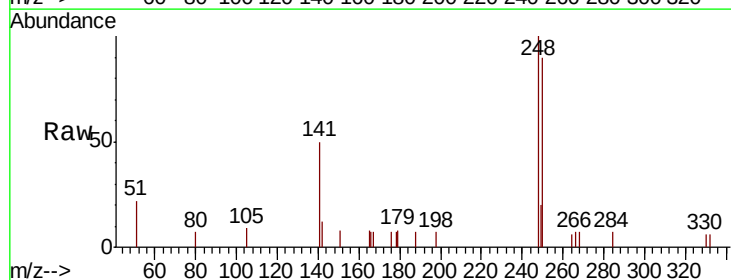
Instrument :
BNA_E
ClientSampleId :
MW-5_061219MS

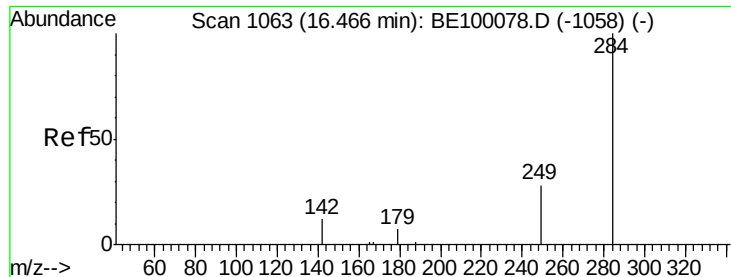
Tgt Ion:188 Resp: 4995
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 11.0 6.3 9.5#



#20
4-Bromophenyl-phenylether
Concen: 0.375 ng
RT: 16.34 min Scan# 1054
Delta R.T. -0.01 min
Lab File: BE100109.D
Acq: 20 Jun 2019 15:26

Tgt Ion:248 Resp: 1112
Ion Ratio Lower Upper
248 100
250 90.2 80.6 120.8
141 49.8 38.8 58.2





#21

Hexachlorobenzene

Concen: 0.327 ng

RT: 16.45 min Scan# 1062

Delta R.T. -0.01 min

Lab File: BE100109.D

Acq: 20 Jun 2019 15:26

Instrument :

BNA_E

ClientSampleId :

MW-5_061219MS

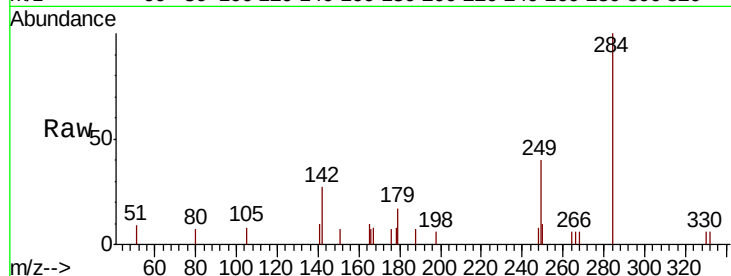
Tgt Ion:284 Resp: 1071

Ion Ratio Lower Upper

284 100

142 25.4 20.7 31.1

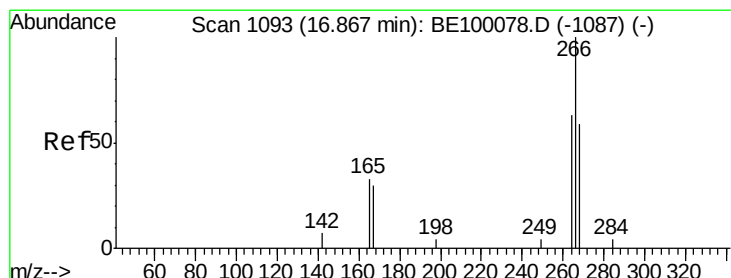
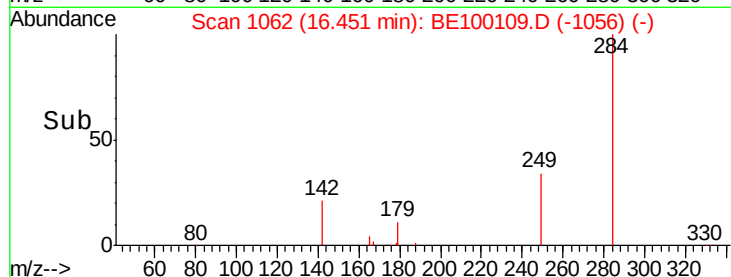
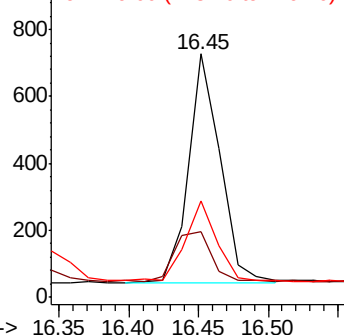
249 34.1 26.6 39.8



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: 0.945 ng

RT: 16.81 min Scan# 1089

Delta R.T. -0.05 min

Lab File: BE100109.D

Acq: 20 Jun 2019 15:26

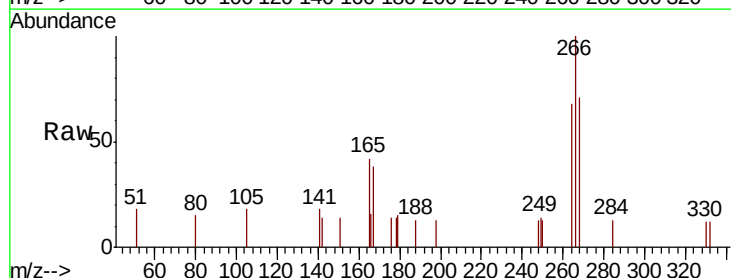
Tgt Ion:266 Resp: 748

Ion Ratio Lower Upper

266 100

264 68.0 67.8 101.6

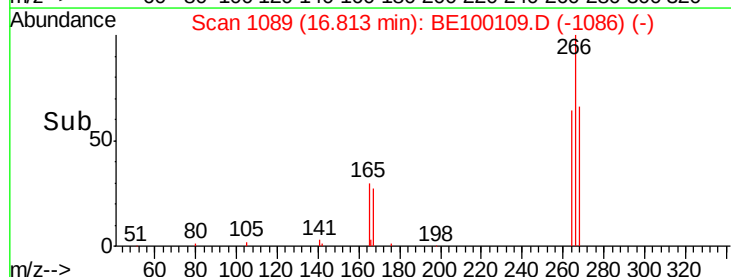
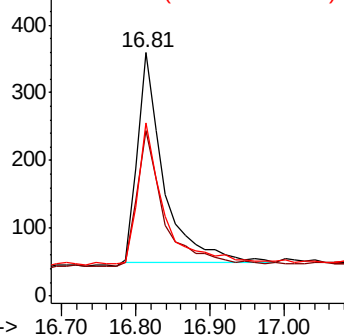
268 71.3 70.0 105.0

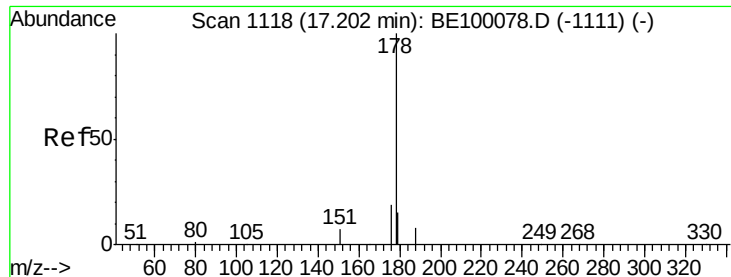


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.382 ng

RT: 17.20 min Scan# 1118

Delta R.T. -0.00 min

Lab File: BE100109.D

Acq: 20 Jun 2019 15:26

Instrument :

BNA_E

ClientSampleId :

MW-5_061219MS

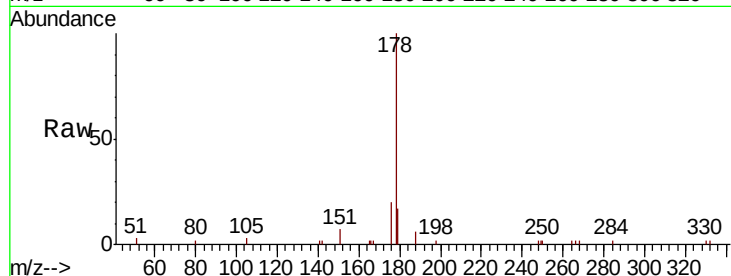
Tgt Ion:178 Resp: 4577

Ion Ratio Lower Upper

178 100

176 19.3 15.9 23.9

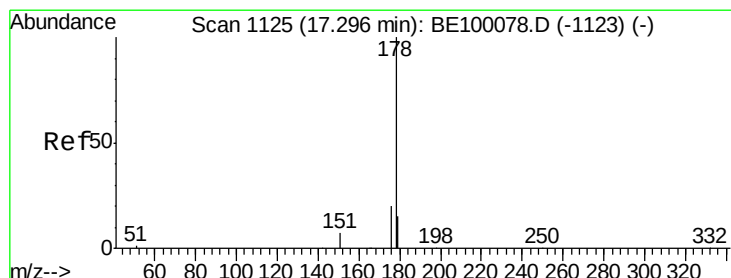
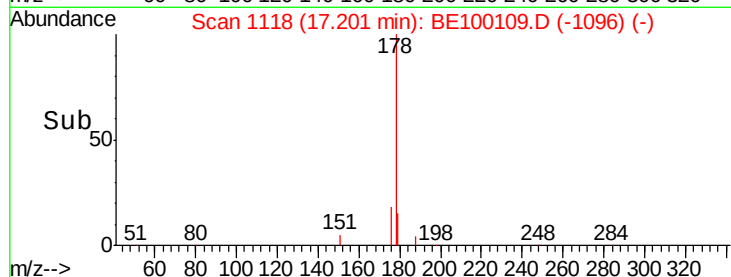
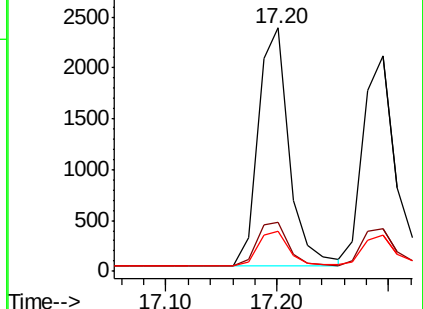
179 15.4 13.1 19.7



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: 0.401 ng

RT: 17.29 min Scan# 1125

Delta R.T. -0.00 min

Lab File: BE100109.D

Acq: 20 Jun 2019 15:26

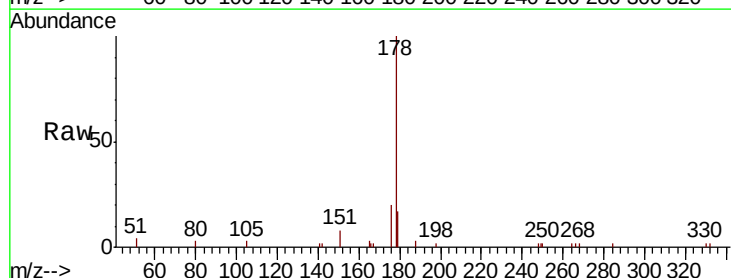
Tgt Ion:178 Resp: 4043

Ion Ratio Lower Upper

178 100

176 18.6 15.8 23.6

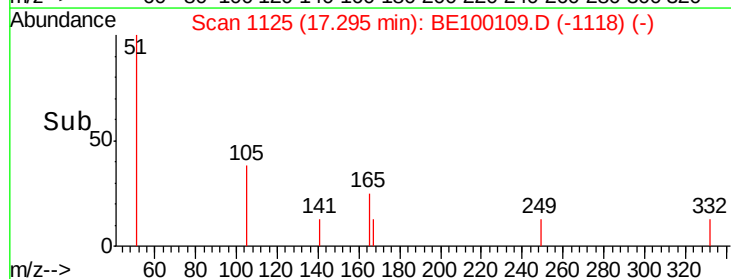
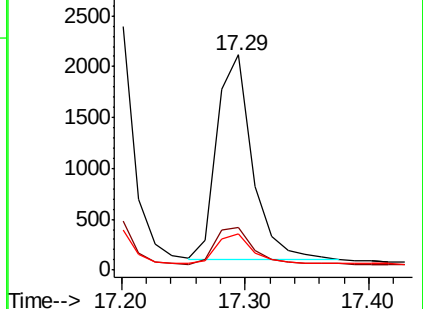
179 14.6 12.0 18.0

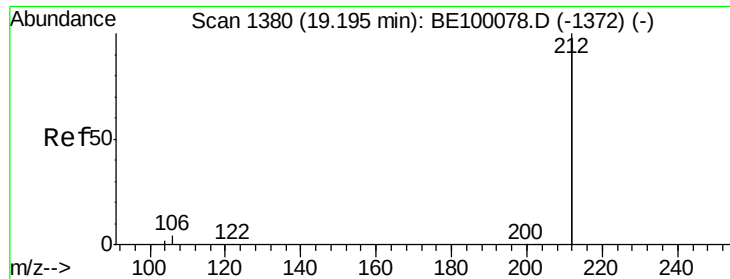


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

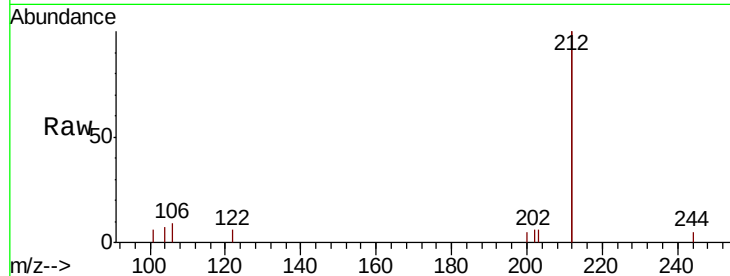




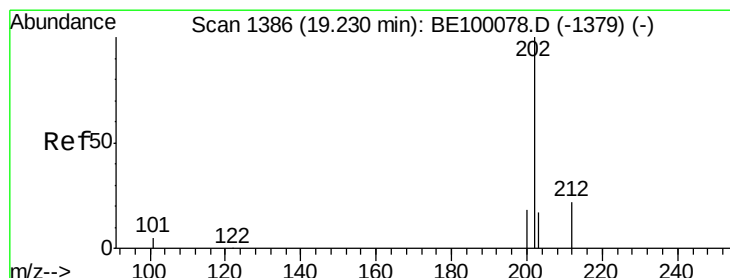
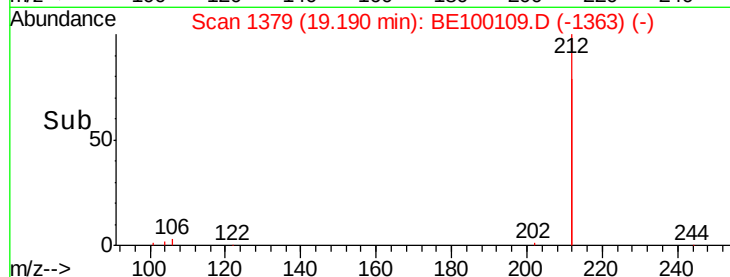
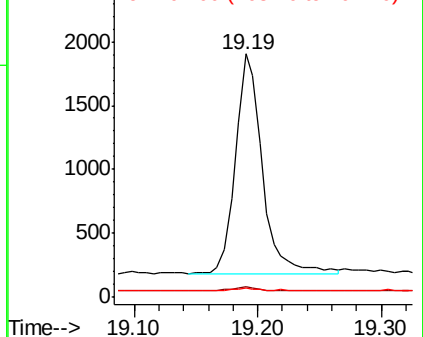
#25
Fluoranthene-d10
Concen: 0.036 ng
RT: 19.19 min Scan# 1379
Delta R.T. -0.01 min
Lab File: BE100109.D
Acq: 20 Jun 2019 15:26

Instrument :
BNA_E
ClientSampleId :
MW-5_061219MS

Tgt Ion: 212 Resp: 2603
Ion Ratio Lower Upper
212 100
106 2.3 1.4 2.0#
104 1.0 0.8 1.2

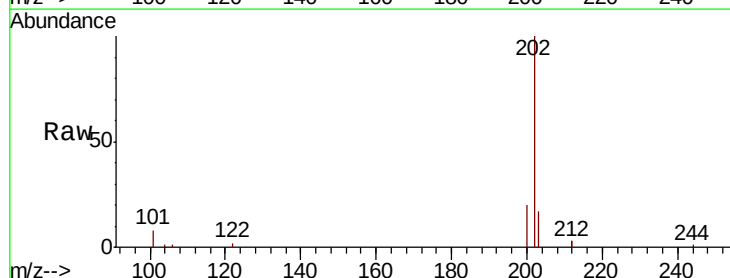


Abundance Ion 212.00 (211.70 to 212.70): E
Ion 106.00 (105.70 to 106.70): E
Ion 104.00 (103.70 to 104.70): E

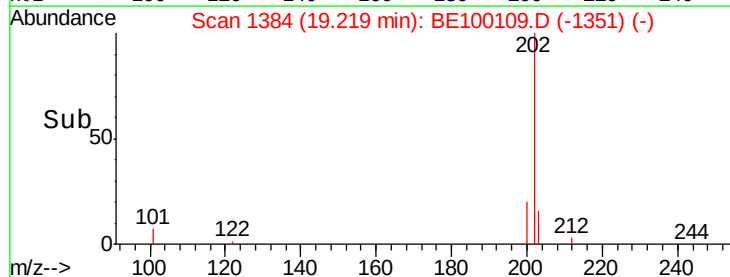
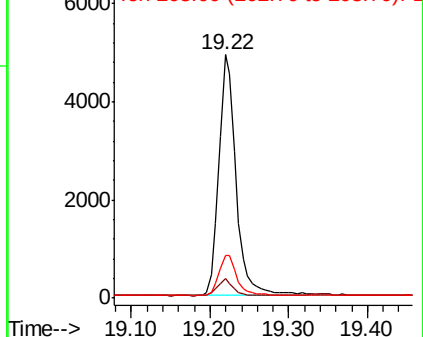


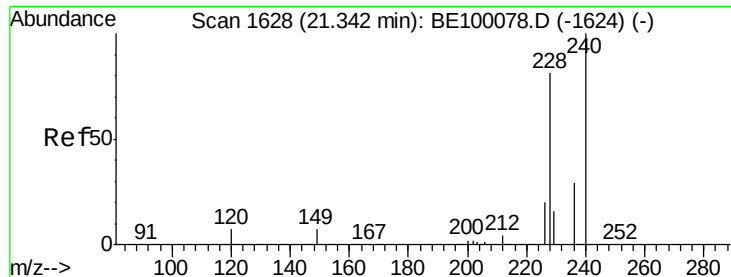
#26
Fluoranthene
Concen: 0.387 ng
RT: 19.22 min Scan# 1384
Delta R.T. -0.01 min
Lab File: BE100109.D
Acq: 20 Jun 2019 15:26

Tgt Ion: 202 Resp: 7428
Ion Ratio Lower Upper
202 100
101 6.5 5.0 7.4
203 17.3 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

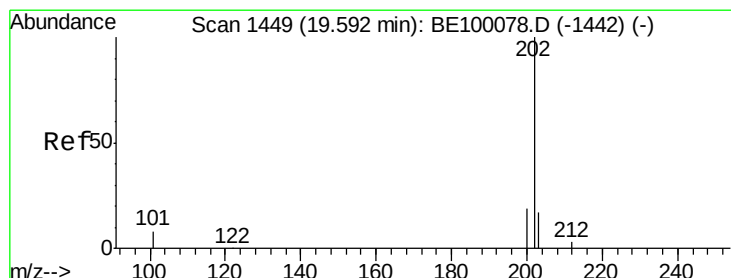
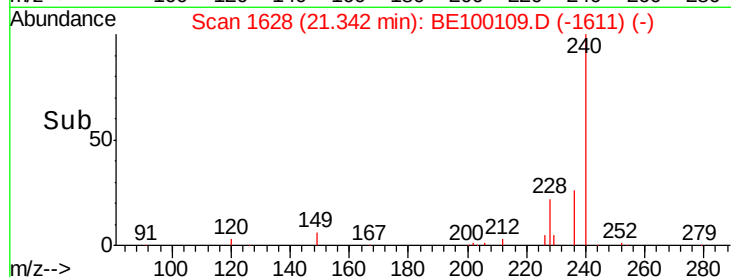
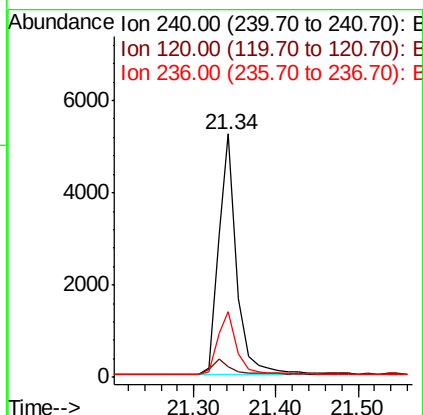
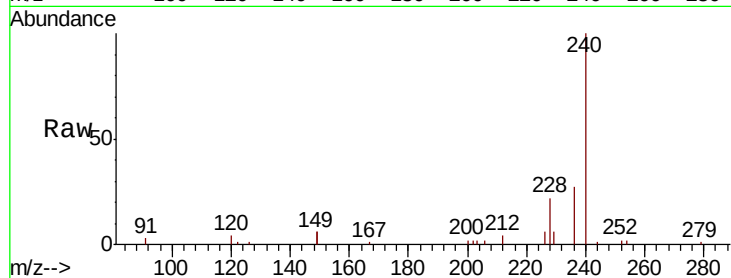




#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.34 min Scan# 1628
Delta R.T. 0.00 min
Lab File: BE100109.D
Acq: 20 Jun 2019 15:26

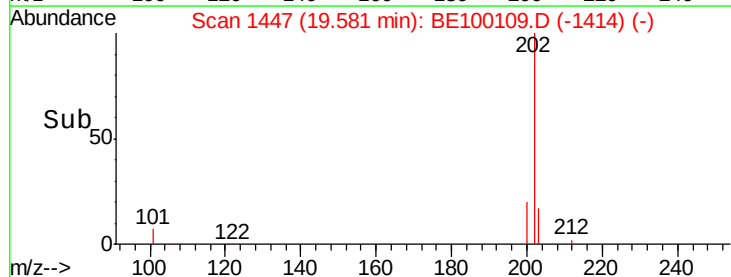
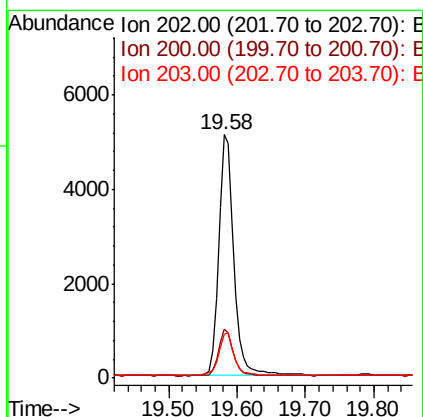
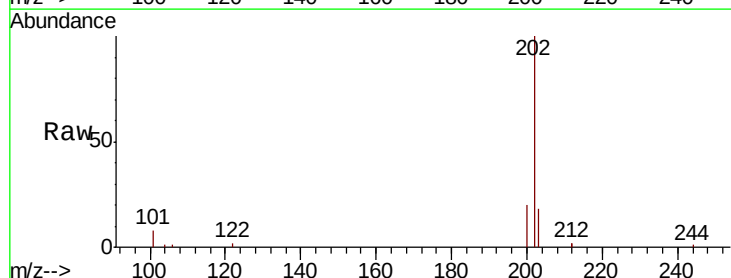
Instrument :
BNA_E
ClientSampleId :
MW-5_061219MS

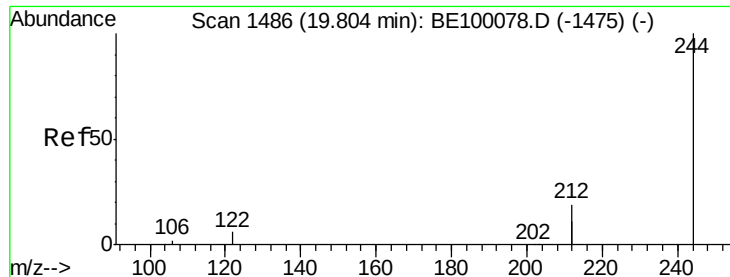
Tgt Ion: 240 Resp: 8120
Ion Ratio Lower Upper
240 100
120 4.3 6.6 10.0#
236 27.2 23.8 35.6



#28
Pyrene
Concen: 0.380 ng
RT: 19.58 min Scan# 1447
Delta R.T. -0.01 min
Lab File: BE100109.D
Acq: 20 Jun 2019 15:26

Tgt Ion: 202 Resp: 7933
Ion Ratio Lower Upper
202 100
200 19.2 15.6 23.4
203 18.0 13.9 20.9





#29

Terphenyl-d14

Concen: 0.513 ng

RT: 19.79 min Scan# 1483

Delta R.T. -0.02 min

Lab File: BE100109.D

Acq: 20 Jun 2019 15:26

Instrument :

BNA_E

ClientSampleId :

MW-5_061219MS

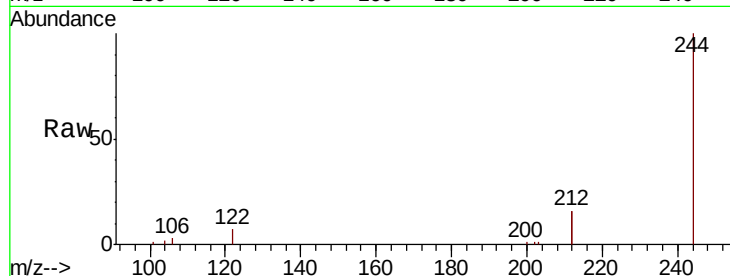
Tgt Ion:244 Resp: 8322

Ion Ratio Lower Upper

244 100

212 32.7 29.8 44.8

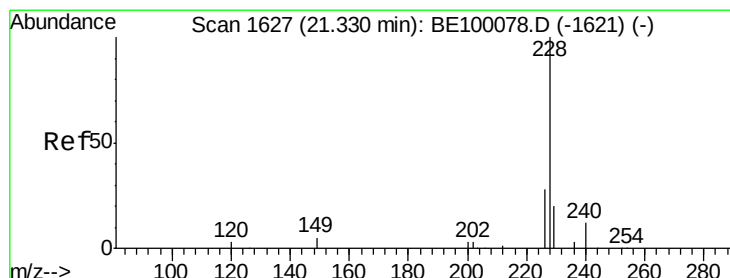
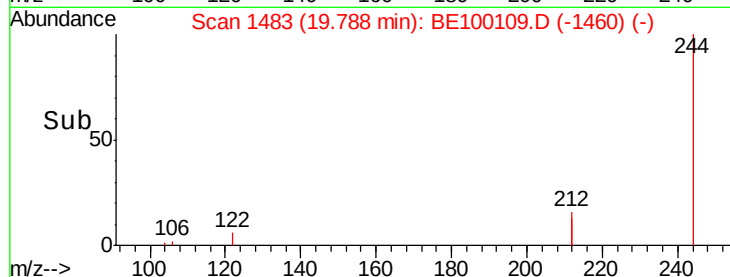
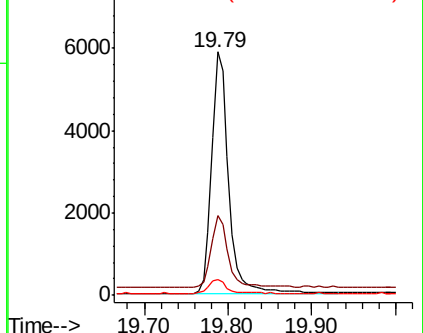
122 6.7 6.1 9.1



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: 0.417 ng

RT: 21.32 min Scan# 1626

Delta R.T. -0.01 min

Lab File: BE100109.D

Acq: 20 Jun 2019 15:26

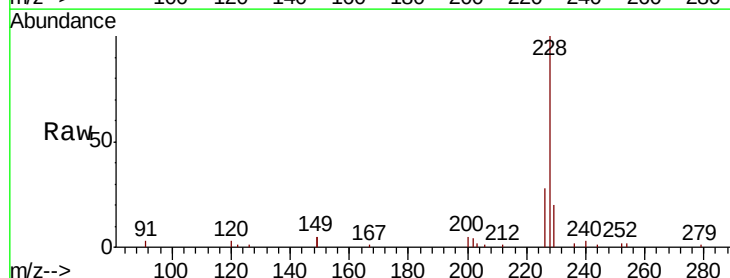
Tgt Ion:228 Resp: 10079

Ion Ratio Lower Upper

228 100

226 28.0 23.0 34.4

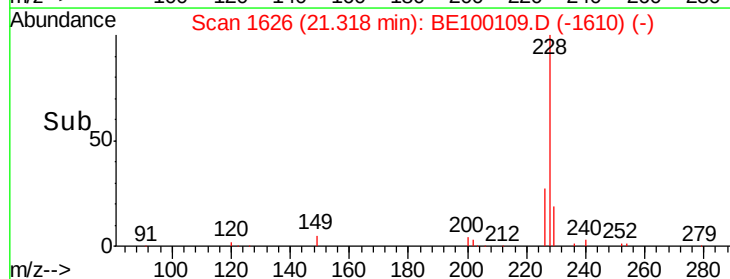
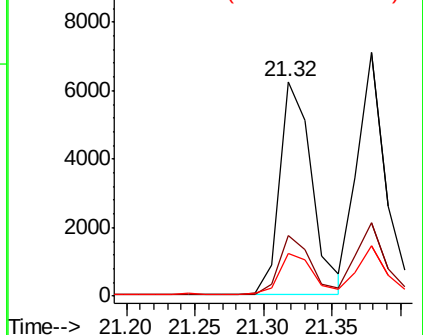
229 20.0 16.4 24.6

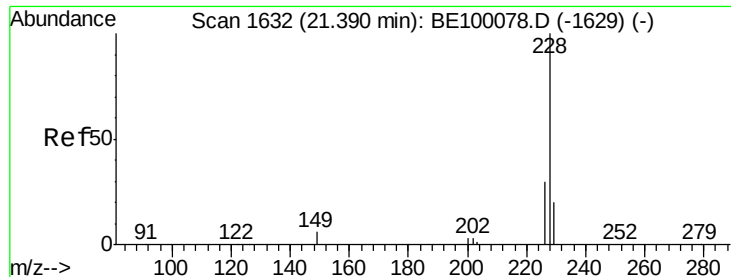


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.362 ng

RT: 21.38 min Scan# 1631

Delta R.T. -0.01 min

Lab File: BE100109.D

Acq: 20 Jun 2019 15:26

Instrument :

BNA_E

ClientSampleId :

MW-5_061219MS

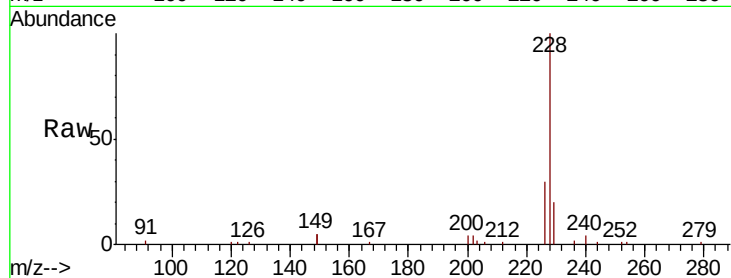
Tgt Ion:228 Resp: 10163

Ion Ratio Lower Upper

228 100

226 30.2 23.8 35.8

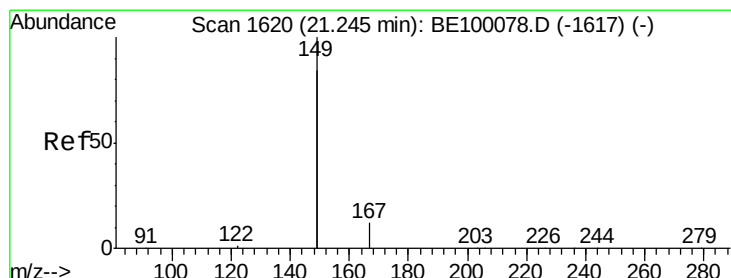
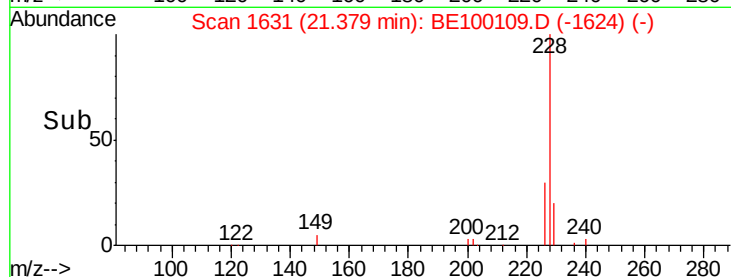
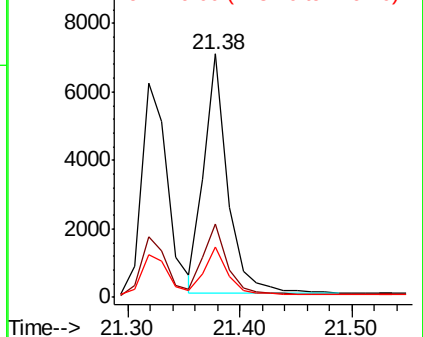
229 20.4 16.3 24.5



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: 0.682 ng

RT: 21.25 min Scan# 1620

Delta R.T. 0.00 min

Lab File: BE100109.D

Acq: 20 Jun 2019 15:26

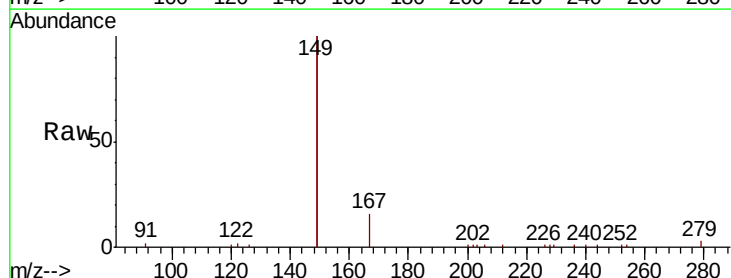
Tgt Ion:149 Resp: 15536

Ion Ratio Lower Upper

149 100

167 7.2 5.8 8.6

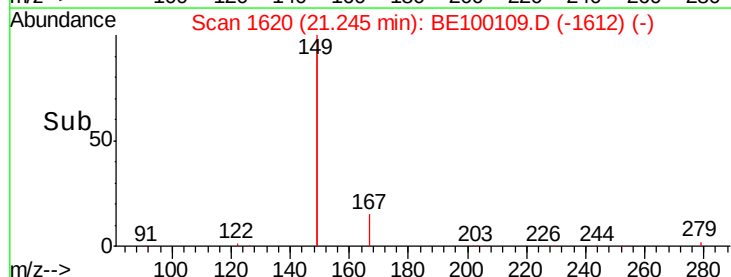
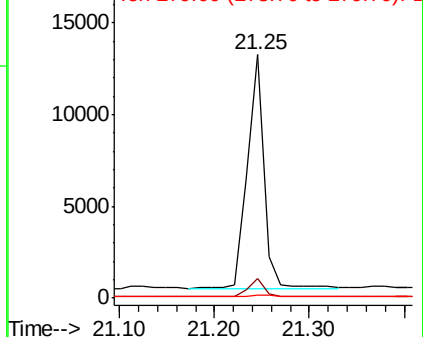
279 1.3 1.1 1.7

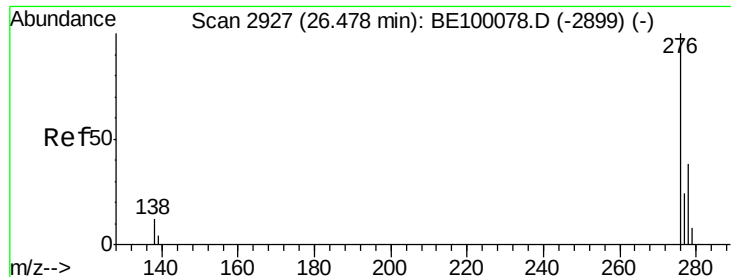


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.391 ng

RT: 26.47 min Scan# 2924

Delta R.T. -0.01 min

Lab File: BE100109.D

Acq: 20 Jun 2019 15:26

Instrument :

BNA_E

ClientSampleId :

MW-5_061219MS

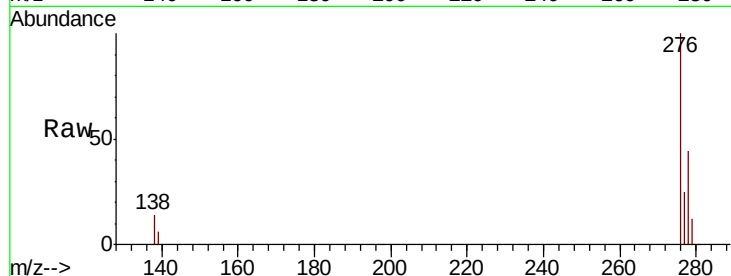
Tgt Ion:276 Resp: 12347

Ion Ratio Lower Upper

276 100

138 12.9 4.3 6.5#

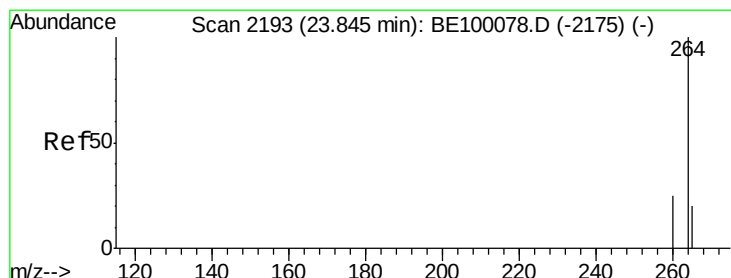
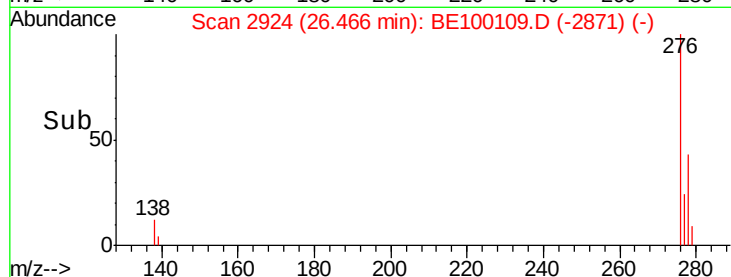
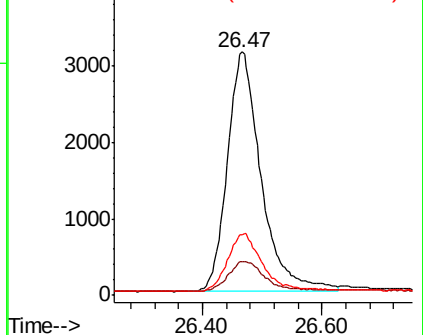
277 24.2 19.4 29.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.83 min Scan# 2190

Delta R.T. -0.01 min

Lab File: BE100109.D

Acq: 20 Jun 2019 15:26

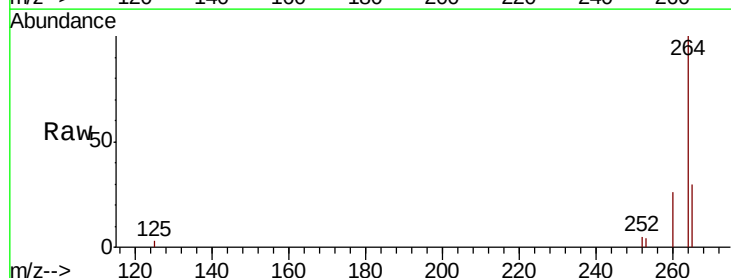
Tgt Ion:264 Resp: 9995

Ion Ratio Lower Upper

264 100

260 25.8 20.8 31.2

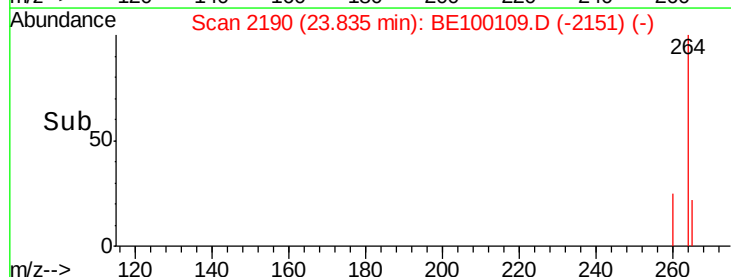
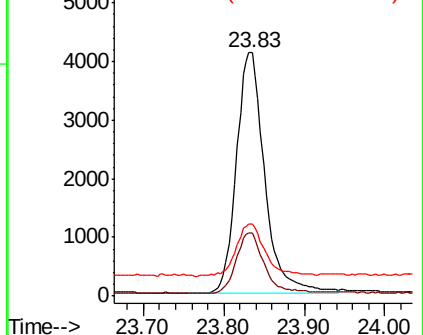
265 29.6 23.2 34.8

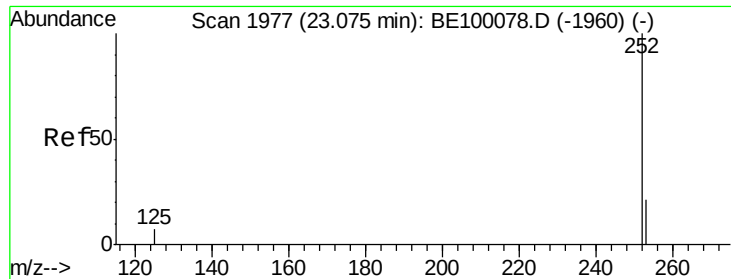


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

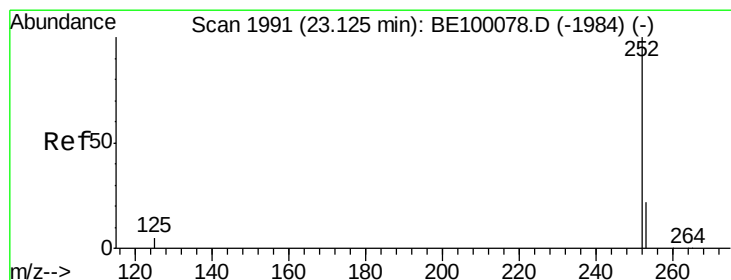
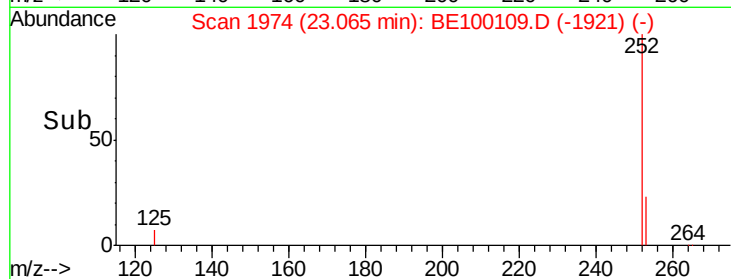
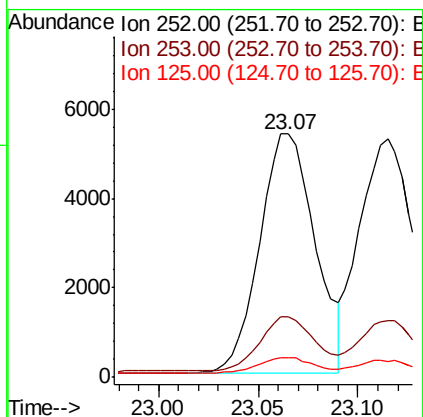
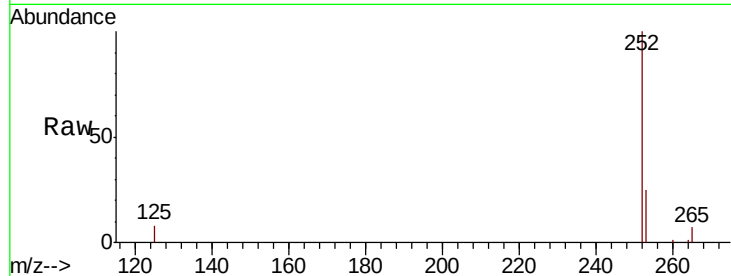




#35
Benzo(b)fluoranthene
Concen: 0.351 ng
RT: 23.07 min Scan# 1974
Delta R.T. -0.01 min
Lab File: BE100109.D
Acq: 20 Jun 2019 15:26

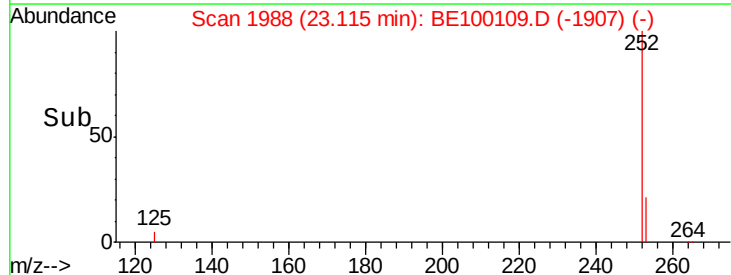
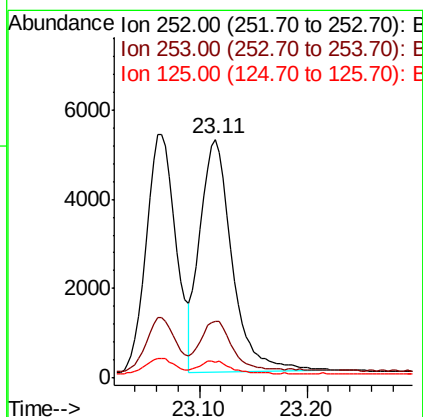
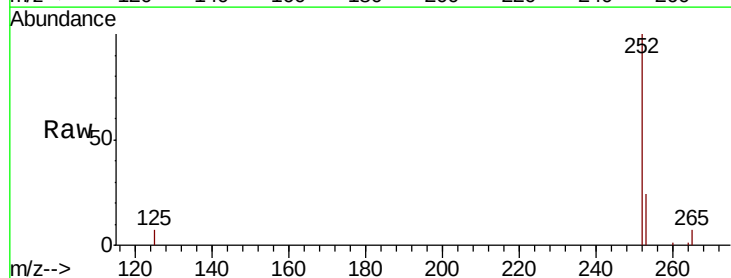
Instrument :
BNA_E
ClientSampleId :
MW-5_061219MS

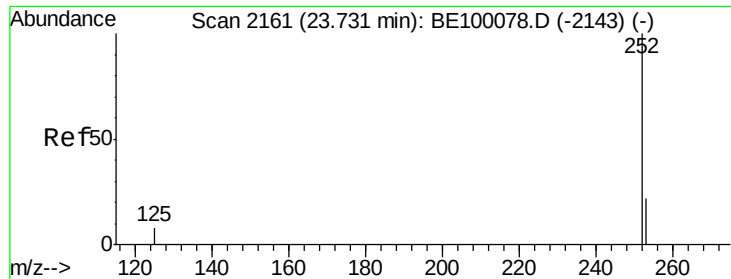
Tgt Ion: 252 Resp: 10300
Ion Ratio Lower Upper
252 100
253 25.1 18.4 27.6
125 8.3 6.4 9.6



#36
Benzo(k)fluoranthene
Concen: 0.324 ng
RT: 23.11 min Scan# 1988
Delta R.T. -0.01 min
Lab File: BE100109.D
Acq: 20 Jun 2019 15:26

Tgt Ion: 252 Resp: 10823
Ion Ratio Lower Upper
252 100
253 23.7 18.9 28.3
125 6.7 5.3 7.9





#37

Benzo(a)pyrene

Concen: 0.362 ng

RT: 23.72 min Scan# 2157

Delta R.T. -0.01 min

Lab File: BE100109.D

Acq: 20 Jun 2019 15:26

Instrument :

BNA_E

ClientSampleId :

MW-5_061219MS

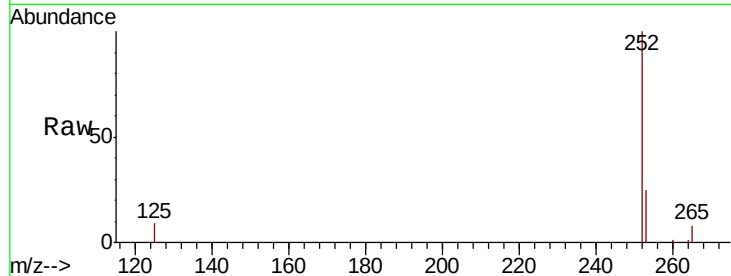
Tgt Ion:252 Resp: 10262

Ion Ratio Lower Upper

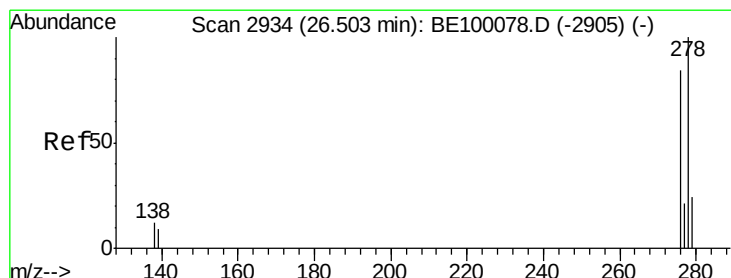
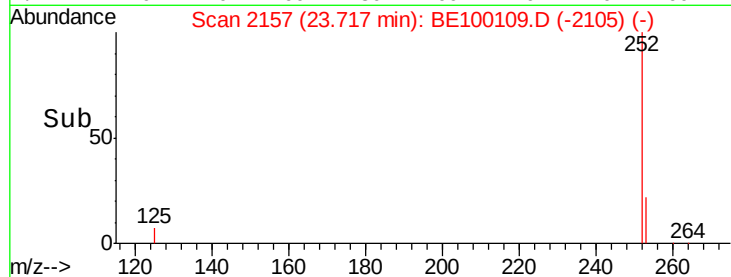
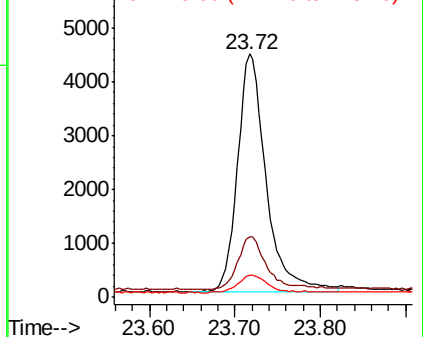
252 100

253 25.0 19.4 29.2

125 9.0 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: 0.347 ng

RT: 26.49 min Scan# 2932

Delta R.T. -0.01 min

Lab File: BE100109.D

Acq: 20 Jun 2019 15:26

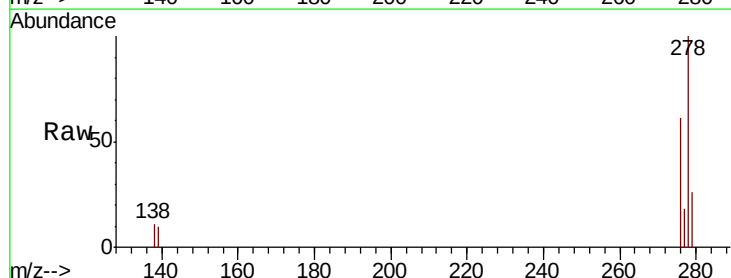
Tgt Ion:278 Resp: 10065

Ion Ratio Lower Upper

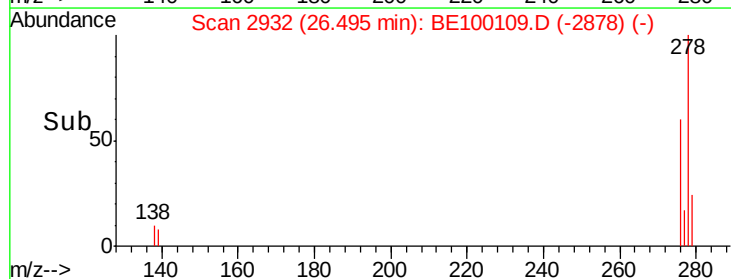
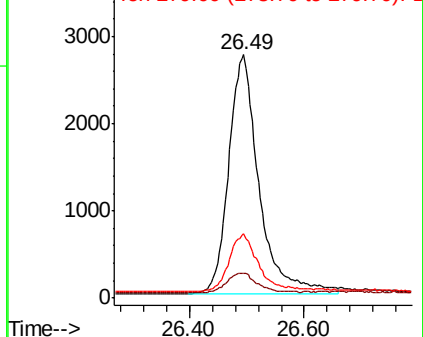
278 100

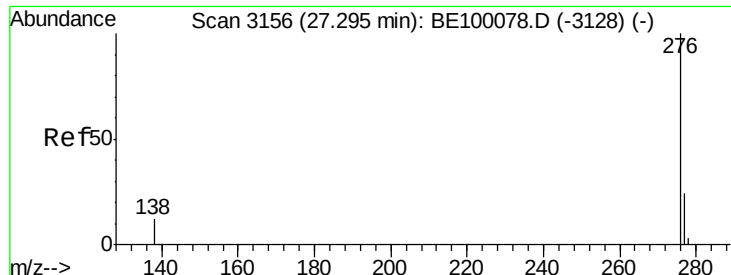
139 10.2 9.0 13.6

279 26.5 21.4 32.0



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





#39

Benzo(g,h,i)perylene

Concen: 0.359 ng

RT: 27.27 min Scan# 3150

Delta R.T. -0.02 min

Lab File: BE100109.D

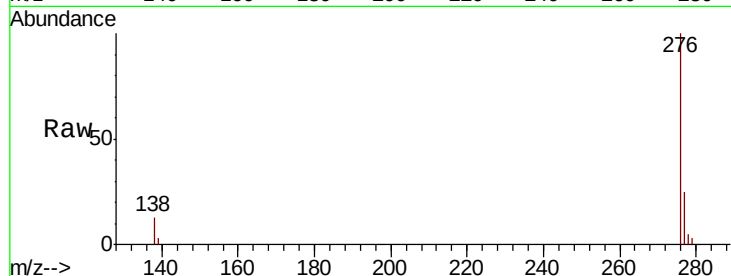
Acq: 20 Jun 2019 15:26

Instrument :

BNA_E

ClientSampleId :

MW-5_061219MS



Tgt Ion: 276 Resp: 10822

Ion Ratio Lower Upper

276 100

277 24.8 20.3 30.5

138 12.6 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

