

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE121619\
 Data File : BE100919.D
 Acq On : 16 Dec 2019 14:28
 Operator : JU
 Sample : K6251-15MSD
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 MW202D-20191207MSD

Quant Time: Dec 16 16:48:35 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE120419.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 13 10:42:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.76	152	4278	0.40	ng	0.00
7) Naphthalene-d8	10.54	136	18575	0.40	ng	0.00
13) Acenaphthene-d10	14.39	164	10295	0.40	ng	0.00
19) Phenanthrene-d10	17.12	188	26963	0.40	ng	0.00
27) Chrysene-d12	21.31	240	28253	0.40	ng	0.00
34) Perylene-d12	23.74	264	33141	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.36	112	1977	0.19	ng	-0.01
5) Phenol-d6	6.93	99	2031	0.13	ng	0.00
8) Nitrobenzene-d5	8.90	82	4915	0.56	ng	0.00
11) 2-Methylnaphthalene-d10	12.12	152	11403	0.42	ng	-0.01
14) 2,4,6-Tribromophenol	15.86	330	880	0.77	ng	-0.01
15) 2-Fluorobiphenyl	13.02	172	13665	0.33	ng	0.00
25) Fluoranthene-d10	19.15	212	134323	0.42	ng	0.00
29) Terphenyl-d14	19.75	244	25577	0.38	ng	0.00

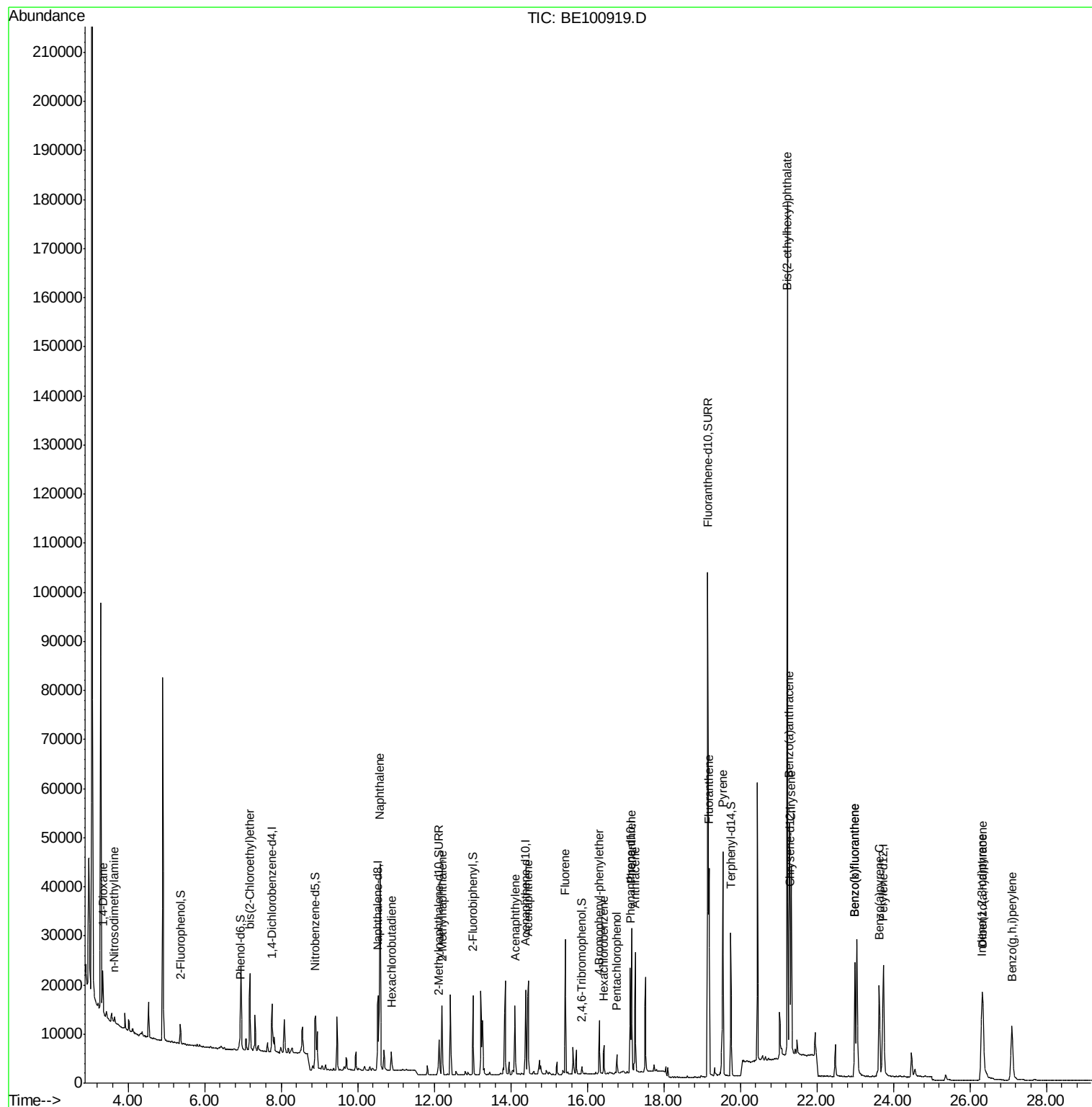
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.34	88	5614	0.720	ng	# 72
3) n-Nitrosodimethylamine	3.64	42	1089	0.172	ng	# 94
6) bis(2-Chloroethyl)ether	7.18	93	5571	0.376	ng	96
9) Naphthalene	10.57	128	75356	0.382	ng	100
10) Hexachlorobutadiene	10.89	225	2587	0.336	ng	99
12) 2-Methylnaphthalene	12.21	142	11599	0.376	ng	99
16) Acenaphthylene	14.11	152	16841	0.395	ng	100
17) Acenaphthene	14.46	154	10963	0.373	ng	99
18) Fluorene	15.42	166	14744	0.390	ng	99
20) 4-Bromophenyl-phenylether	16.32	248	4481	0.339	ng	99
21) Hexachlorobenzene	16.44	284	4391	0.306	ng	100
22) Pentachlorophenol	16.77	266	1916	1.927	ng	99
23) Phenanthrene	17.16	178	29036	0.356	ng	99
24) Anthracene	17.25	178	25331	0.371	ng	100
26) Fluoranthene	19.18	202	37549	0.385	ng	99
28) Pyrene	19.54	202	39938	0.435	ng	99
30) Benzo(a)anthracene	21.28	228	35813	0.430	ng	98
31) Chrysene	21.33	228	37001	0.378	ng	100
32) Bis(2-ethylhexyl)phthalate	21.23	149	173896	2.096	ng	99
33) Indeno(1,2,3-cd)pyrene	26.31	276	32085	0.376	ng	99
35) Benzo(b)fluoranthene	23.00	252	31740	0.350	ng	97
36) Benzo(k)fluoranthene	23.00	252	31740	0.312	ng	98
37) Benzo(a)pyrene	23.63	252	29927	0.381	ng	99
38) Dibenzo(a,h)anthracene	26.34	278	26805	0.343	ng	98
39) Benzo(g,h,i)perylene	27.10	276	28141	0.337	ng	100

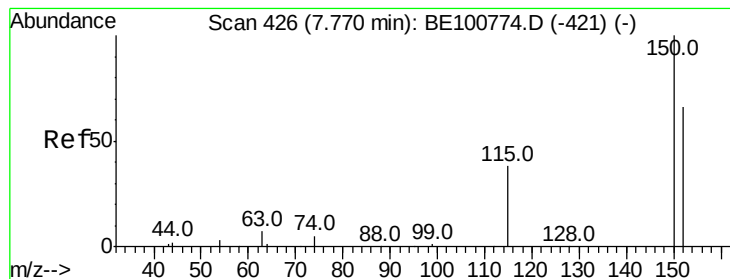
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.76 min Scan# 425

Delta R.T. 0.00 min

Lab File: BE100919.D

Acq: 16 Dec 2019 14:28

Instrument :

BNA_E

ClientSampleId :

MW202D-20191207MSD

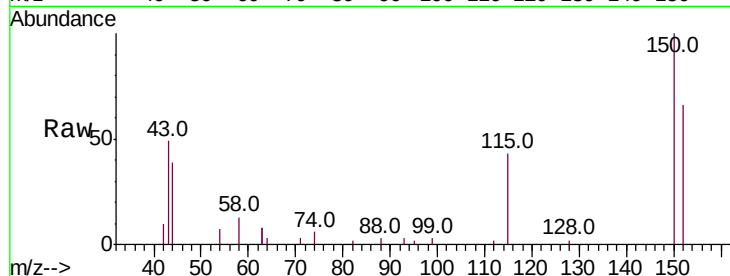
Tot Ion:152 Resp: 4278

Ion Ratio Lower Upper

152 100

150 152.1 125.5 188.3

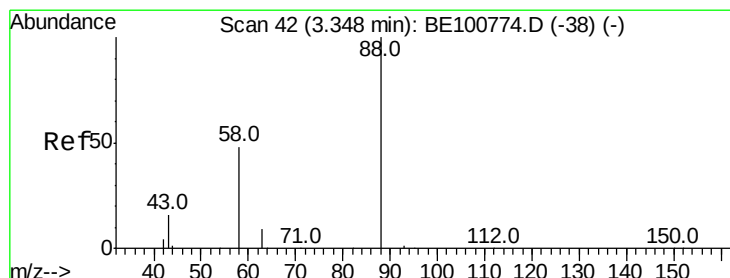
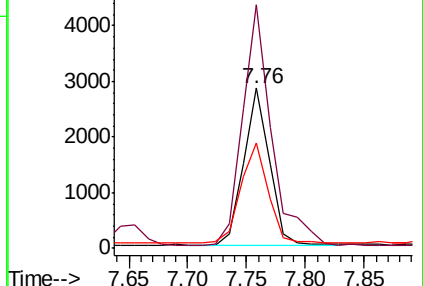
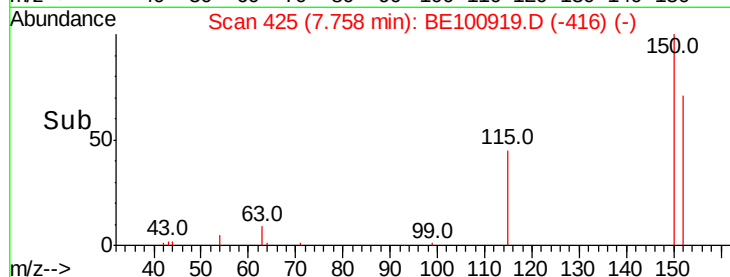
115 65.6 55.7 83.5



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 0.720 ng

RT: 3.34 min Scan# 41

Delta R.T. 0.00 min

Lab File: BE100919.D

Acq: 16 Dec 2019 14:28

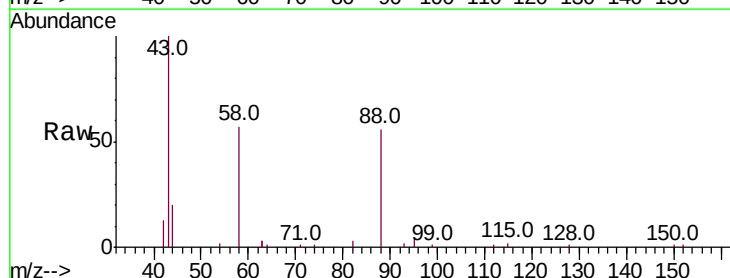
Tgt Ion: 88 Resp: 5614

Ion Ratio Lower Upper

88 100

58 82.2 52.3 78.5#

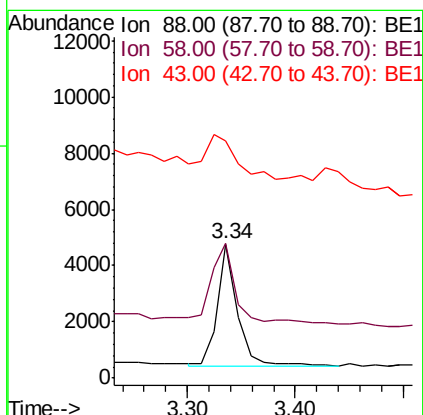
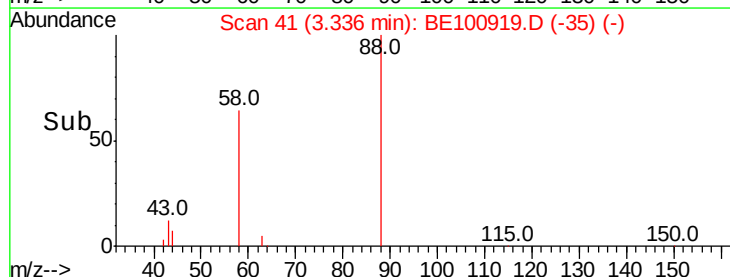
43 53.2 23.5 35.3#

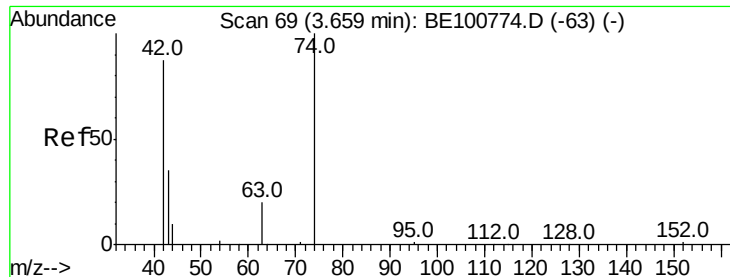


Abundance Ion 88.00 (87.70 to 88.70): BE1

Ion 58.00 (57.70 to 58.70): BE1

Ion 43.00 (42.70 to 43.70): BE1





#3

n-Nitrosodimethylamine

Concen: 0.172 ng

RT: 3.64 min Scan# 67

Delta R.T. -0.01 min

Lab File: BE100919.D

Acq: 16 Dec 2019 14:28

Instrument :

BNA_E

ClientSampleId :

MW202D-20191207MSD

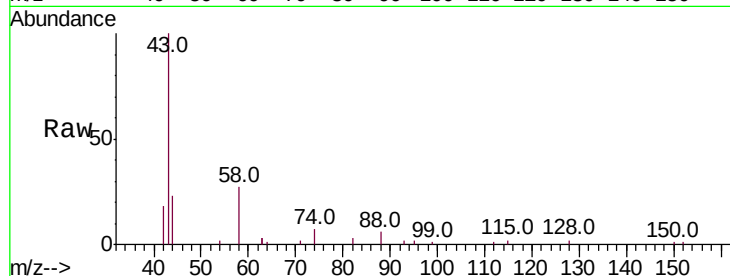
Tot Ion: 42 Resp: 1089

Ion Ratio Lower Upper

42 100

74 117.2 90.3 135.5

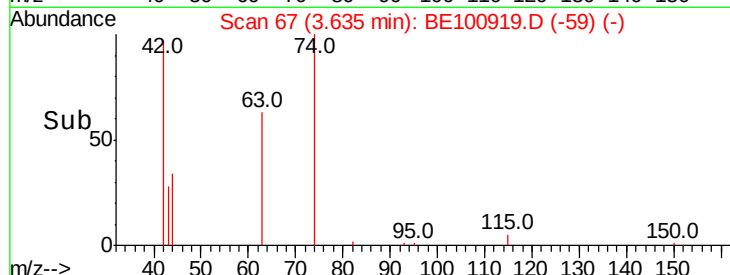
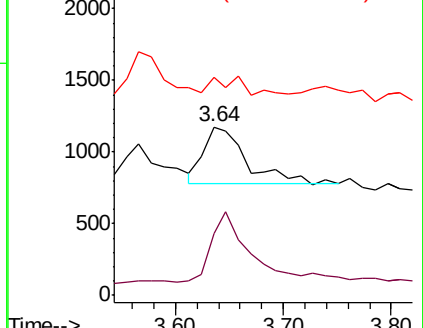
44 0.0 9.0 13.4#



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: 0.195 ng

RT: 5.36 min Scan# 217

Delta R.T. -0.01 min

Lab File: BE100919.D

Acq: 16 Dec 2019 14:28

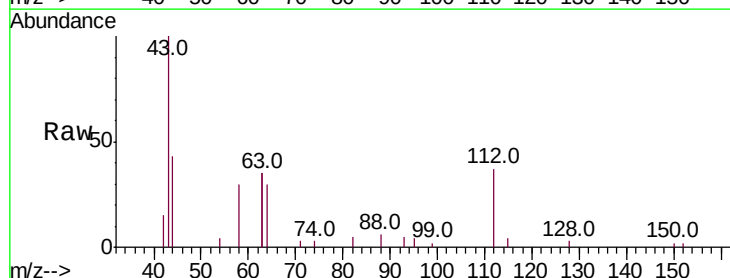
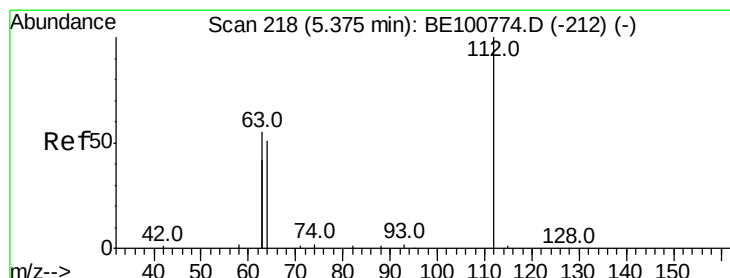
Tgt Ion: 112 Resp: 1977

Ion Ratio Lower Upper

112 100

64 66.6 54.5 81.7

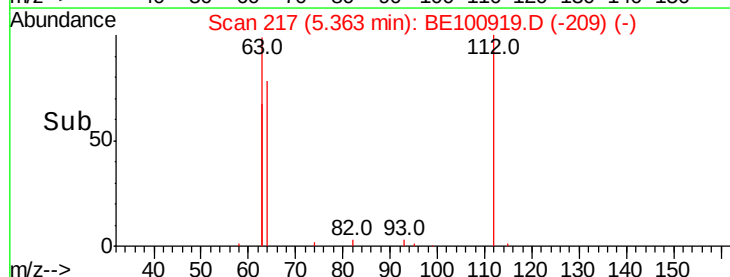
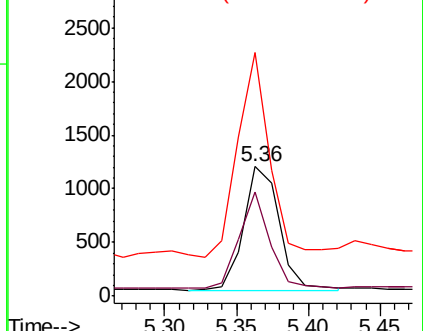
63 146.2 116.1 174.1

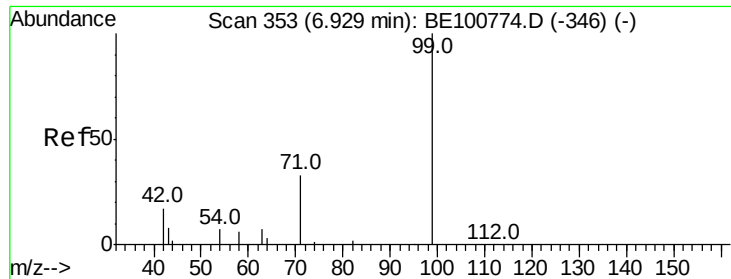


Abundance Ion 112.00 (111.70 to 112.70): BE1

Ion 64.00 (63.70 to 64.70): BE1

Ion 63.00 (62.70 to 63.70): BE1





#5

Phenol-d6

Concen: 0.133 ng

RT: 6.93 min Scan# 353

Delta R.T. 0.00 min

Lab File: BE100919.D

Acq: 16 Dec 2019 14:28

Instrument :

BNA_E

ClientSampleId :

MW202D-20191207MSD

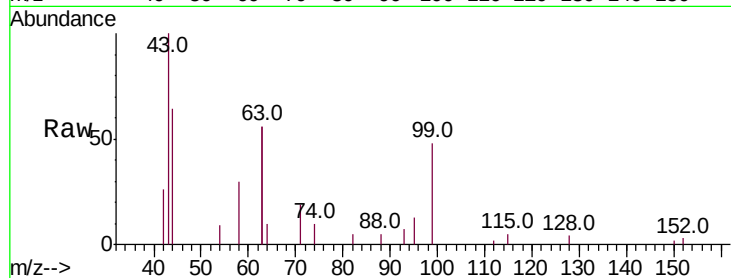
Tot Ion: 99 Resp: 2031

Ion Ratio Lower Upper

99 100

42 64.9 18.2 27.2#

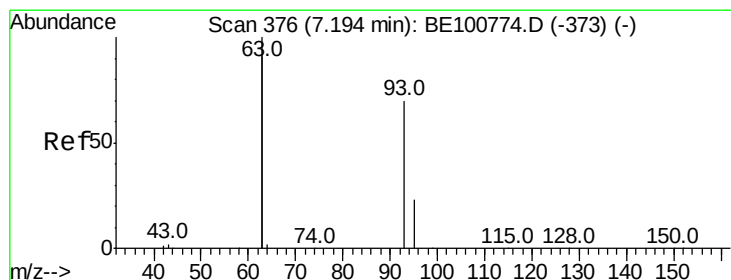
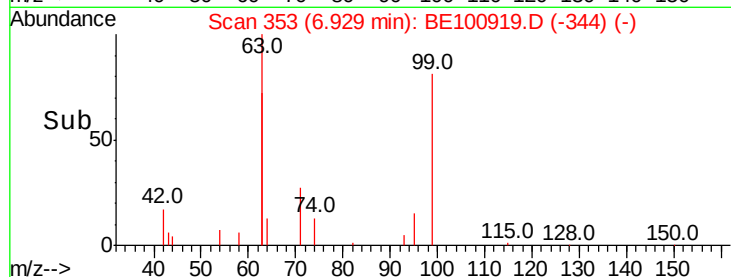
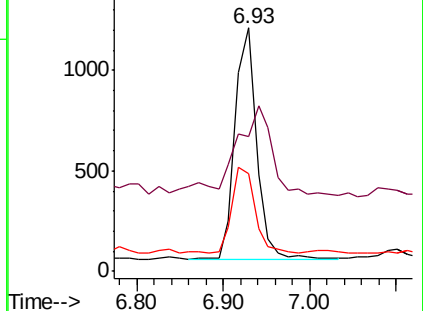
71 0.0 29.1 43.7#



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: 0.376 ng

RT: 7.18 min Scan# 375

Delta R.T. 0.00 min

Lab File: BE100919.D

Acq: 16 Dec 2019 14:28

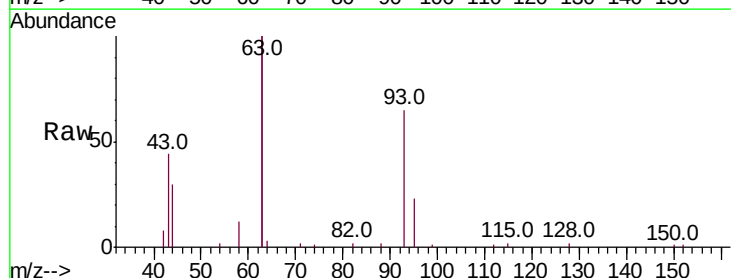
Tgt Ion: 93 Resp: 5571

Ion Ratio Lower Upper

93 100

63 325.6 253.9 380.9

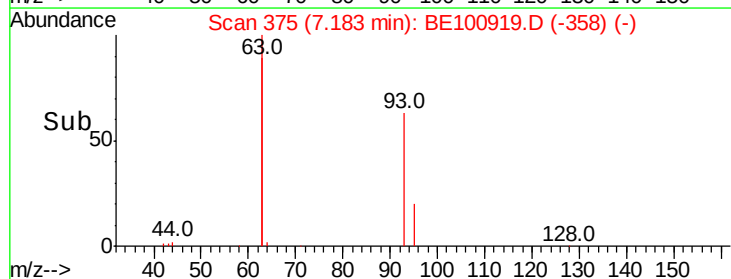
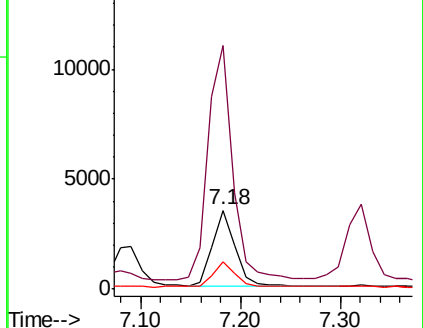
95 33.9 25.0 37.6

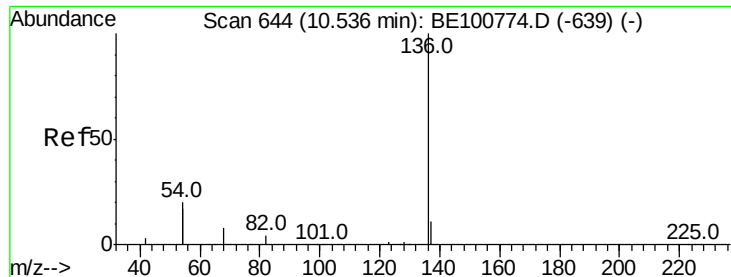


Abundance Ion 93.00 (92.70 to 93.70): BE1

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: 10.54 min Scan# 644

Delta R.T. -0.00 min

Lab File: BE100919.D

Acq: 16 Dec 2019 14:28

Instrument :

BNA_E

ClientSampleId :

MW202D-20191207MSD

Tot Ion:136 Resp: 18575

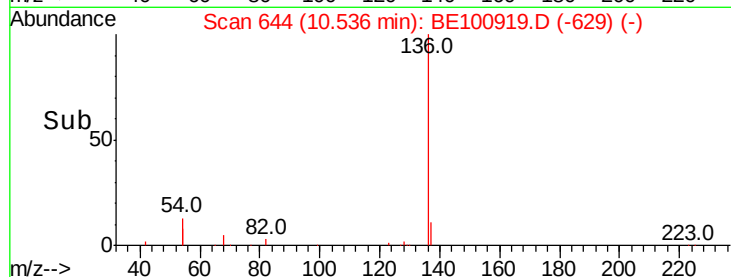
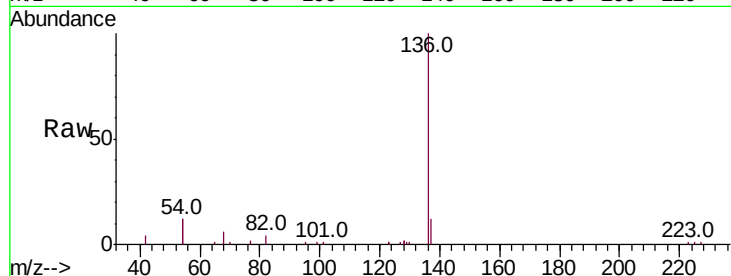
Ion Ratio Lower Upper

136 100

137 11.6 9.1 13.7

54 24.9 18.9 28.3

68 6.1 4.6 6.8

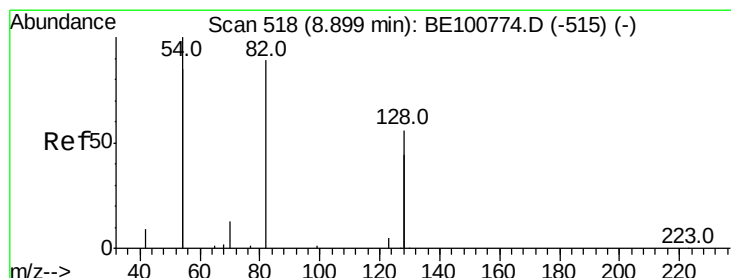
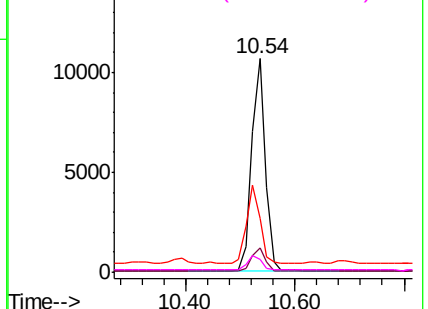


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.556 ng

RT: 8.90 min Scan# 518

Delta R.T. -0.00 min

Lab File: BE100919.D

Acq: 16 Dec 2019 14:28

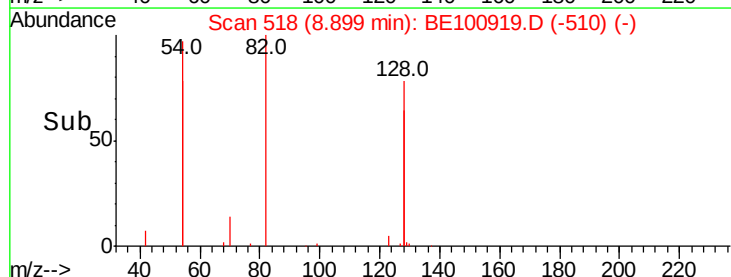
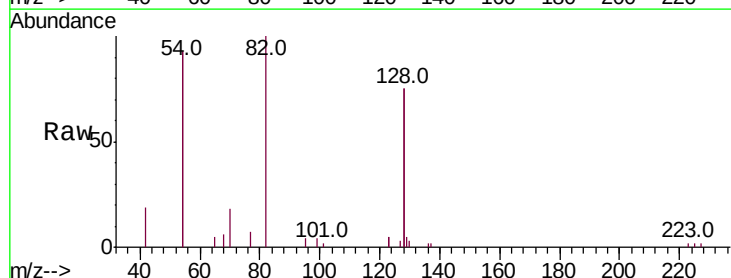
Tgt Ion: 82 Resp: 4915

Ion Ratio Lower Upper

82 100

128 149.7 113.5 170.3

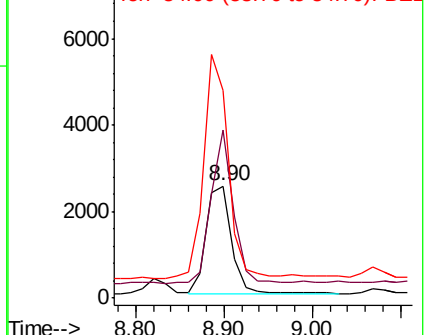
54 185.4 138.9 208.3

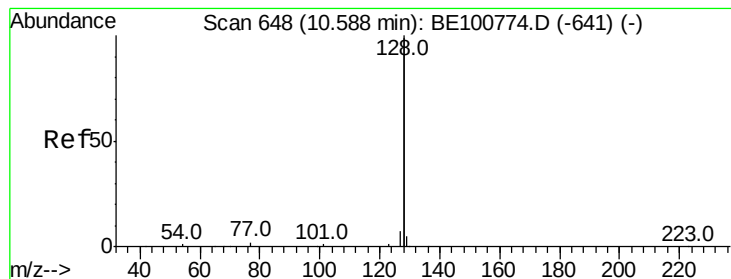


Abundance Ion 82.00 (81.70 to 82.70): BE1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE1





#9

Naphthalene

Concen: 0.382 ng

RT: 10.57 min Scan# 647

Delta R.T. -0.00 min

Lab File: BE100919.D

Acq: 16 Dec 2019 14:28

Instrument :

BNA_E

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MW202D-20191207MSD

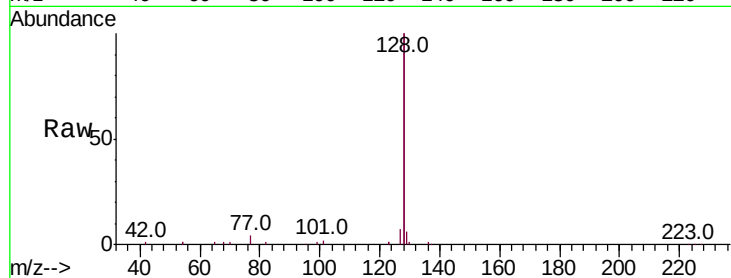
Tot Ion:128 Resp: 75356

Ion Ratio Lower Upper

128 100

129 2.9 2.2 3.4

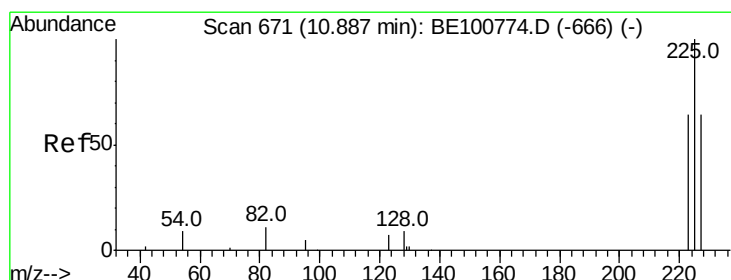
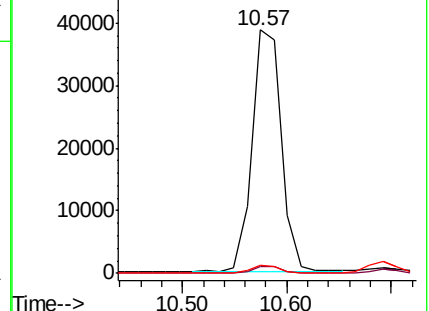
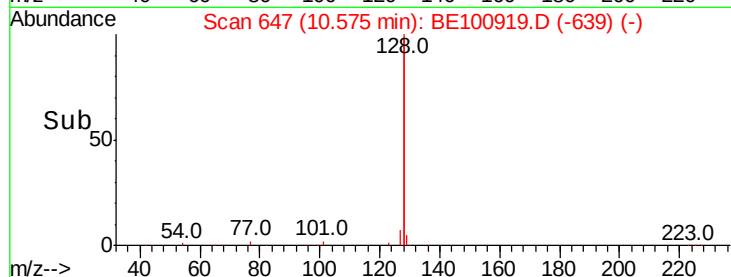
127 3.5 2.8 4.2



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: 0.336 ng

RT: 10.89 min Scan# 671

Delta R.T. -0.00 min

Lab File: BE100919.D

Acq: 16 Dec 2019 14:28

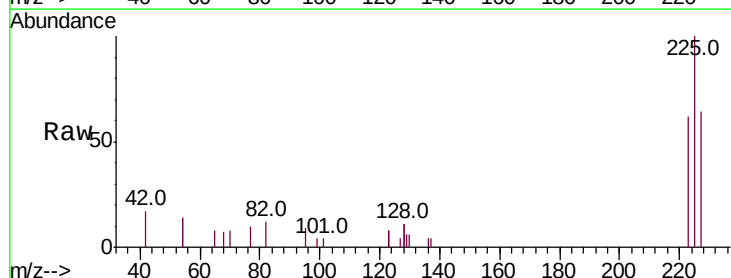
Tgt Ion:225 Resp: 2587

Ion Ratio Lower Upper

225 100

223 63.7 52.1 78.1

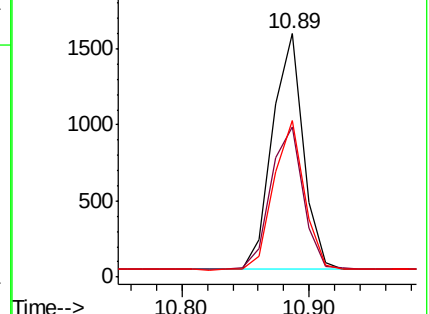
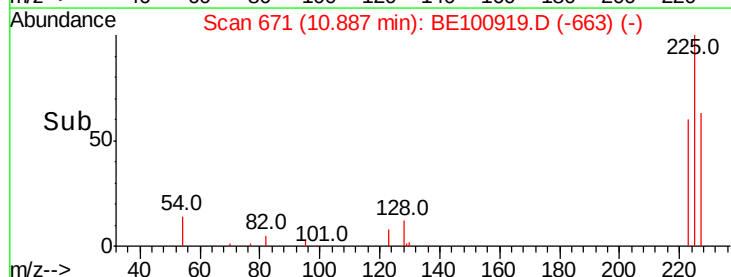
227 63.1 51.1 76.7

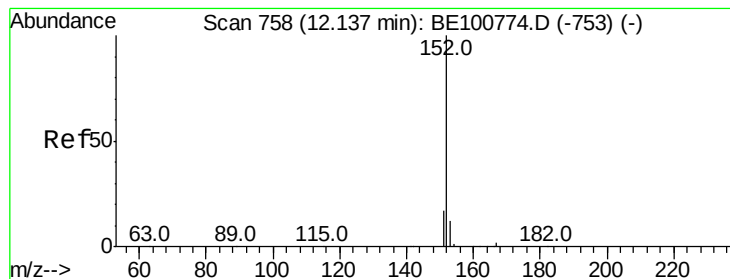


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.424 ng

RT: 12.12 min Scan# 757

Delta R.T. -0.01 min

Lab File: BE100919.D

Acq: 16 Dec 2019 14:28

Instrument :

BNA_E

ClientSampleId :

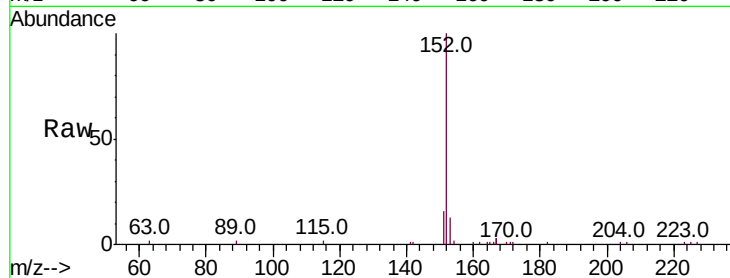
MW202D-20191207MSD

Tot Ion:152 Resp: 11403

Ion Ratio Lower Upper

152 100

151 17.4 15.1 22.7



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.12

6000

5000

4000

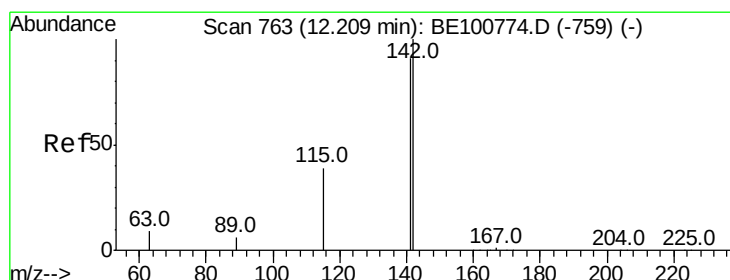
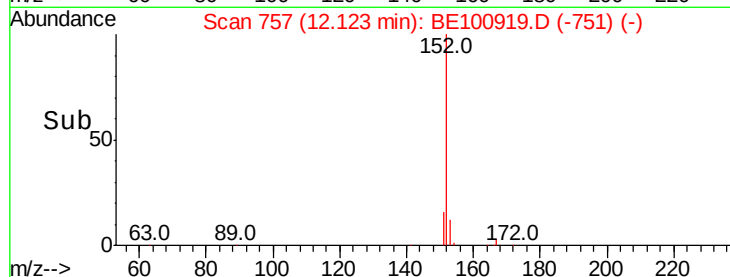
3000

2000

1000

0

Time-->



#12

2-Methylnaphthalene

Concen: 0.376 ng

RT: 12.21 min Scan# 763

Delta R.T. 0.00 min

Lab File: BE100919.D

Acq: 16 Dec 2019 14:28

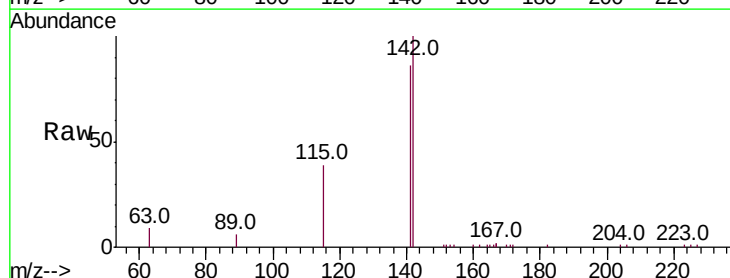
Tgt Ion:142 Resp: 11599

Ion Ratio Lower Upper

142 100

141 85.6 68.9 103.3

115 38.5 29.5 44.3



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

8000

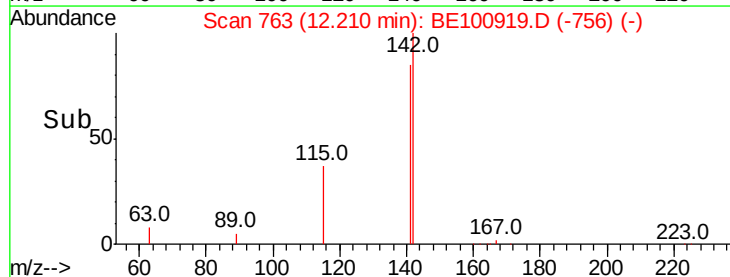
6000

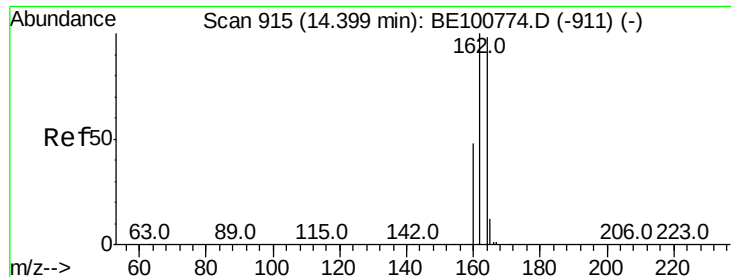
4000

2000

0

Time-->

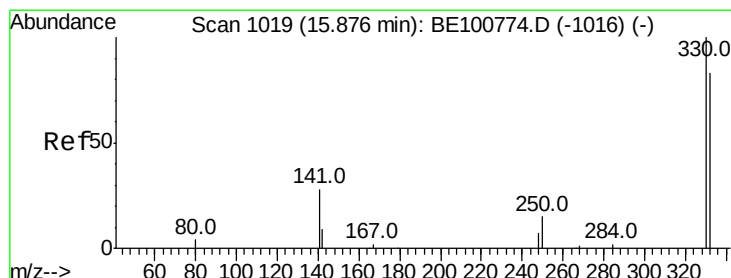
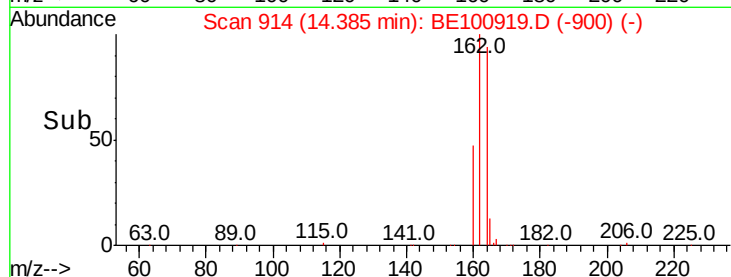
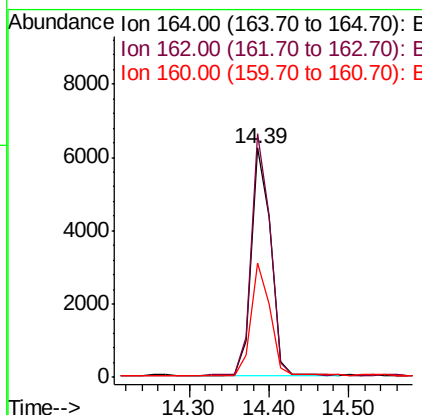
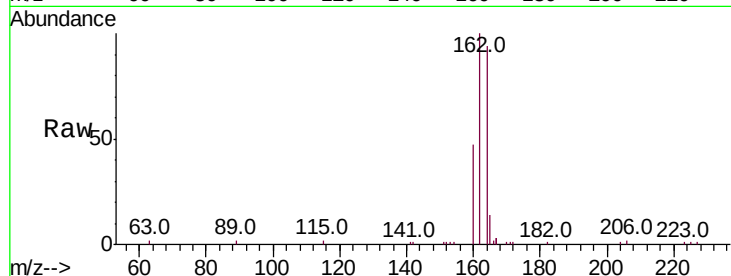




#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.39 min Scan# 914
 Delta R.T. 0.00 min
 Lab File: BE100919.D
 Acq: 16 Dec 2019 14:28

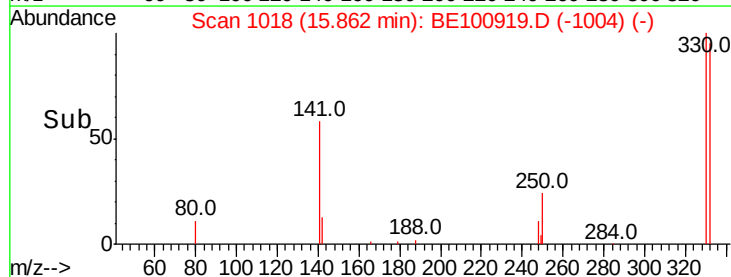
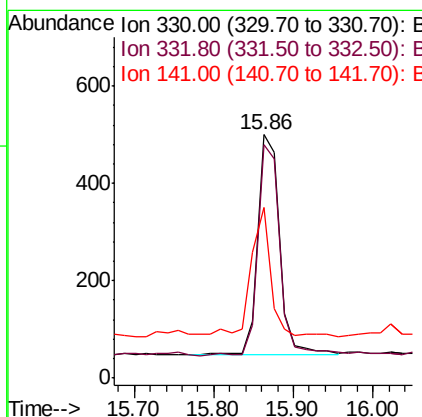
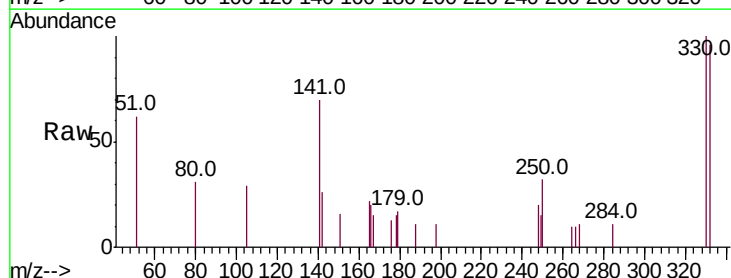
Instrument :
 BNA_E
 ClientSampleId :
 MW202D-20191207MSD

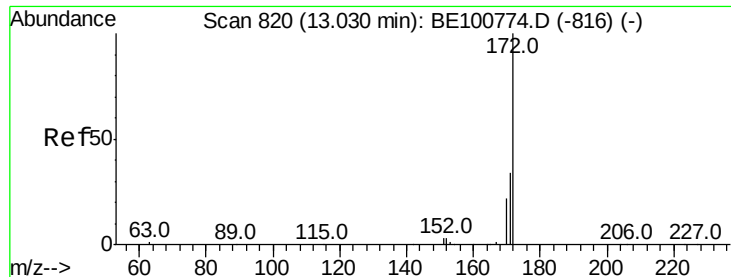
Tot Ion:164 Resp: 10295
 Ion Ratio Lower Upper
 164 100
 162 106.2 86.0 129.0
 160 50.1 42.3 63.5



#14
 2,4,6-Tribromophenol
 Concen: 0.769 ng
 RT: 15.86 min Scan# 1018
 Delta R.T. -0.01 min
 Lab File: BE100919.D
 Acq: 16 Dec 2019 14:28

Tgt Ion:330 Resp: 880
 Ion Ratio Lower Upper
 330 100
 332 96.6 74.1 111.1
 141 48.6 46.7 70.1

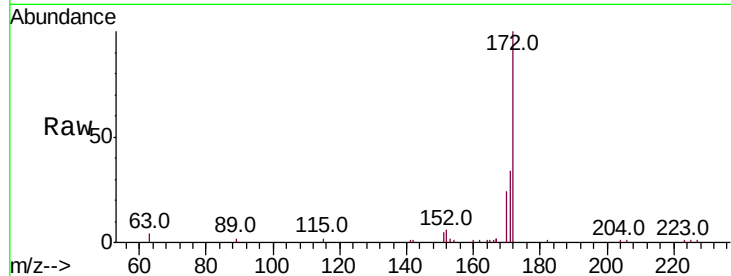




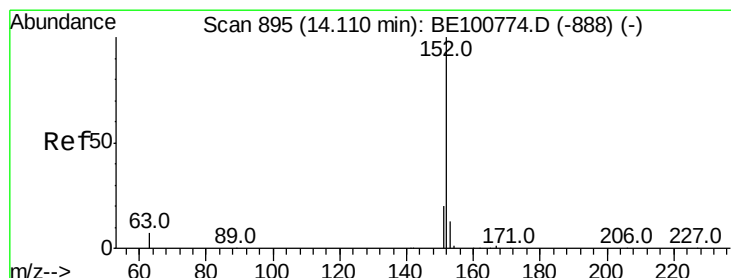
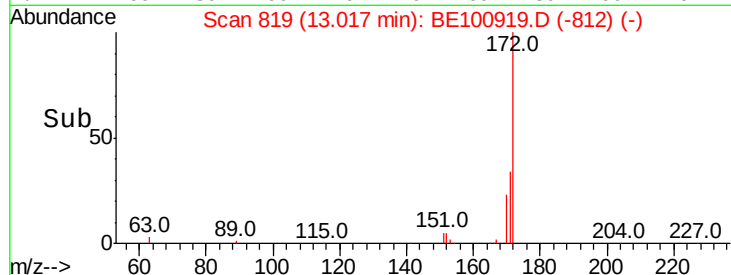
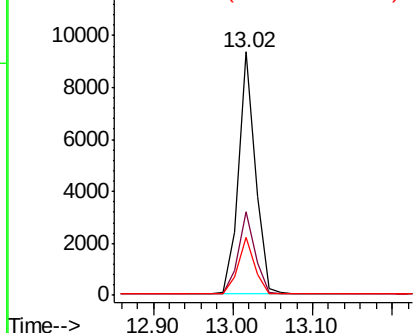
#15
2-Fluorobiphenyl
Concen: 0.335 ng
RT: 13.02 min Scan# 819
Delta R.T. 0.00 min
Lab File: BE100919.D
Acq: 16 Dec 2019 14:28

Instrument :
BNA_E
ClientSampleId :
MW202D-20191207MSD

Tot Ion:172 Resp: 13665
Ion Ratio Lower Upper
172 100
171 34.2 28.2 42.4
170 23.8 19.4 29.0

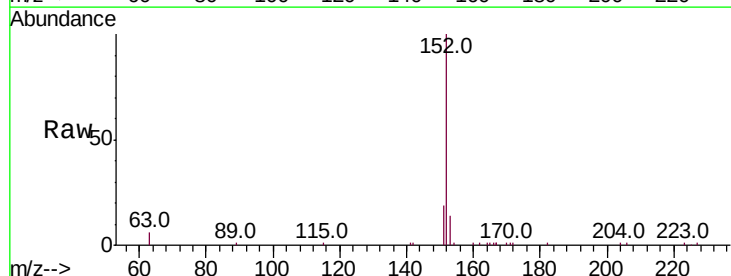


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

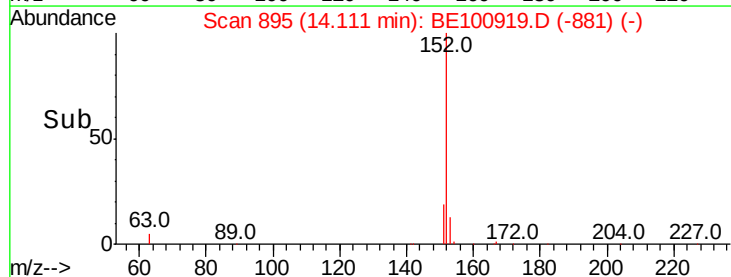
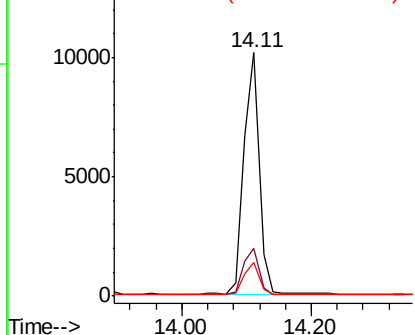


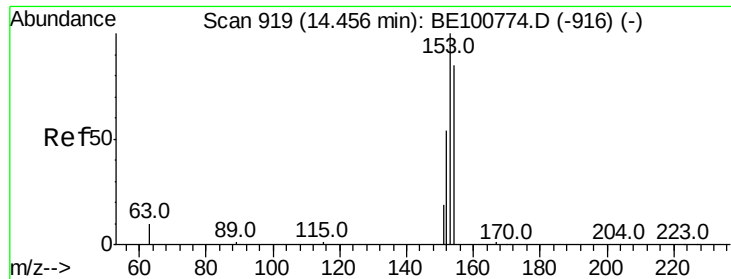
#16
Acenaphthylene
Concen: 0.395 ng
RT: 14.11 min Scan# 895
Delta R.T. 0.00 min
Lab File: BE100919.D
Acq: 16 Dec 2019 14:28

Tgt Ion:152 Resp: 16841
Ion Ratio Lower Upper
152 100
151 20.0 15.9 23.9
153 13.5 10.5 15.7



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E

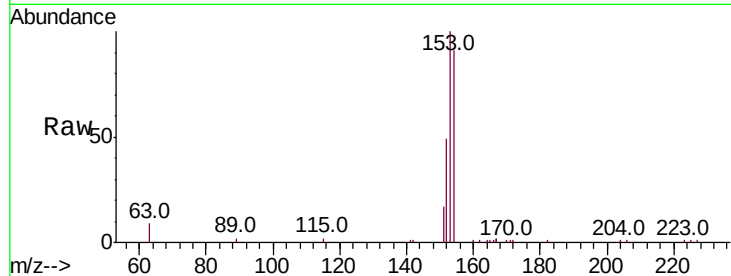




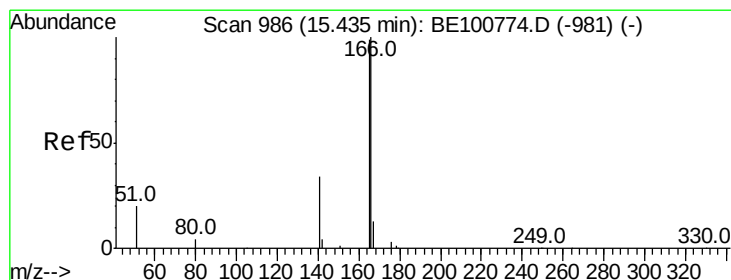
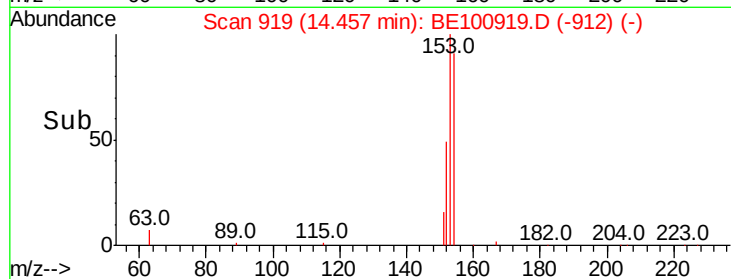
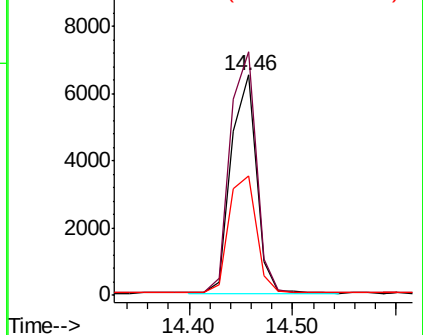
#17
Acenaphthene
Concen: 0.373 ng
RT: 14.46 min Scan# 919
Delta R.T. 0.00 min
Lab File: BE100919.D
Acq: 16 Dec 2019 14:28

Instrument :
BNA_E
ClientSampleId :
MW202D-20191207MSD

Tot Ion:154 Resp: 10963
Ion Ratio Lower Upper
154 100
153 114.2 91.5 137.3
152 58.4 47.7 71.5

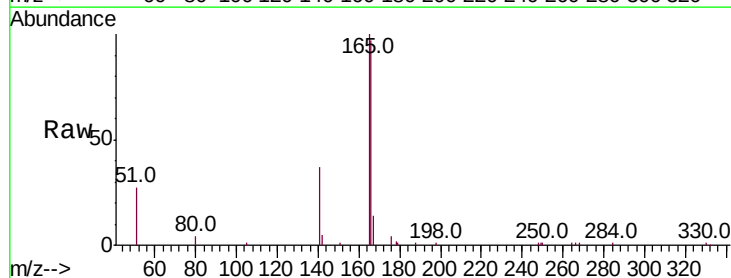


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

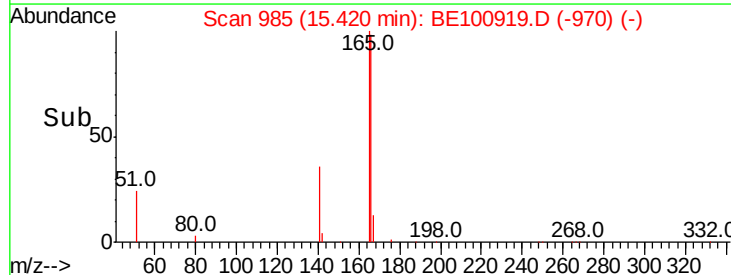
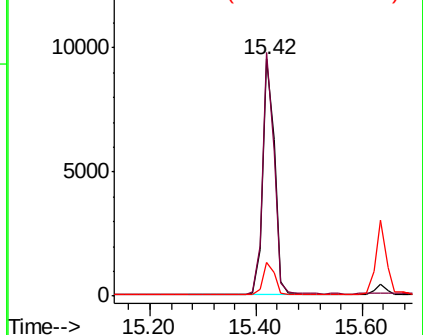


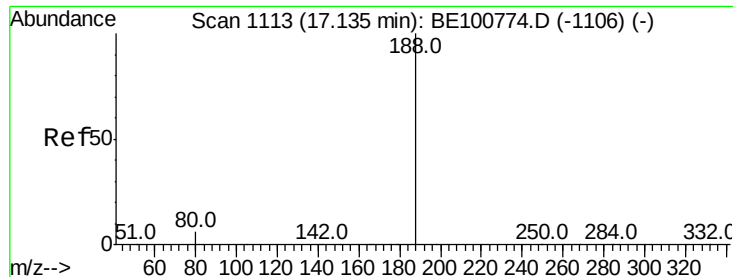
#18
Fluorene
Concen: 0.390 ng
RT: 15.42 min Scan# 985
Delta R.T. 0.00 min
Lab File: BE100919.D
Acq: 16 Dec 2019 14:28

Tgt Ion:166 Resp: 14744
Ion Ratio Lower Upper
166 100
165 99.1 80.2 120.4
167 13.6 10.6 16.0



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: 17.12 min Scan# 1112

Delta R.T. 0.00 min

Lab File: BE100919.D

Acq: 16 Dec 2019 14:28

Instrument :

BNA_E

ClientSampleId :

MW202D-20191207MSD

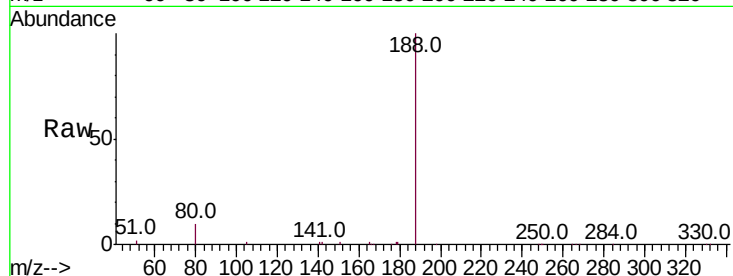
Tot Ion:188 Resp: 26963

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

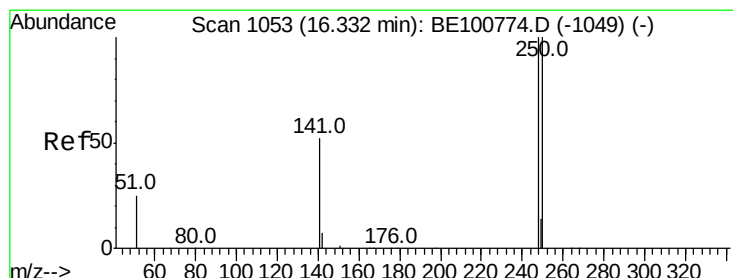
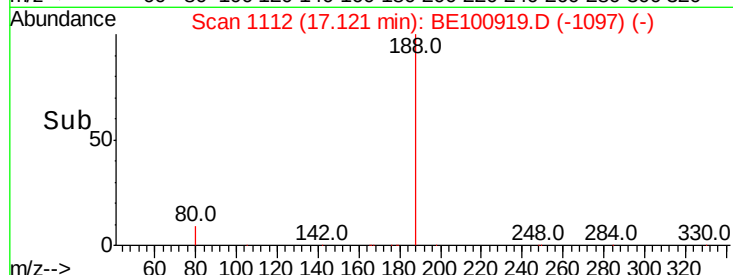
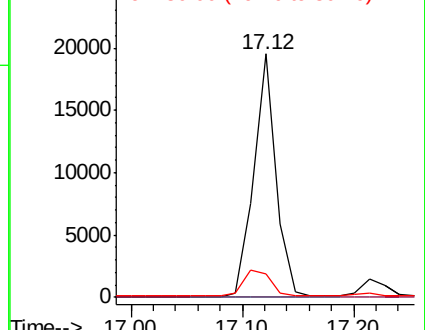
80 9.9 7.9 11.9



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



#20

4-Bromophenyl-phenylether

Concen: 0.339 ng

RT: 16.32 min Scan# 1052

Delta R.T. 0.00 min

Lab File: BE100919.D

Acq: 16 Dec 2019 14:28

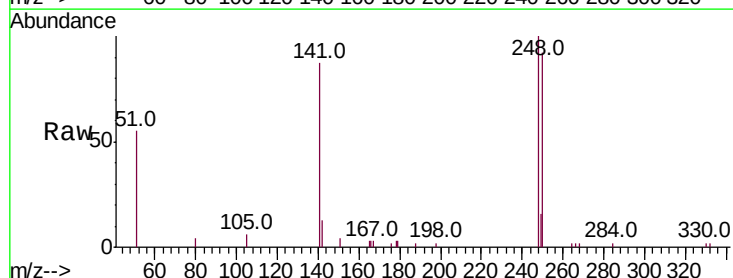
Tgt Ion:248 Resp: 4481

Ion Ratio Lower Upper

248 100

250 91.9 72.4 108.6

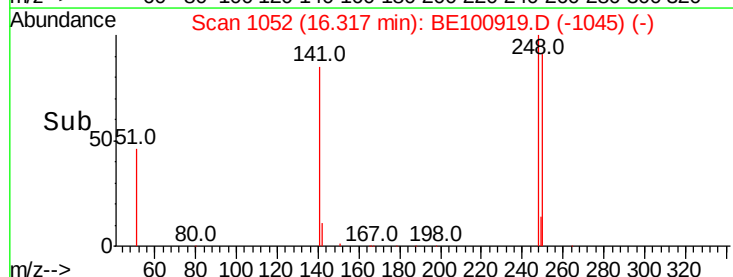
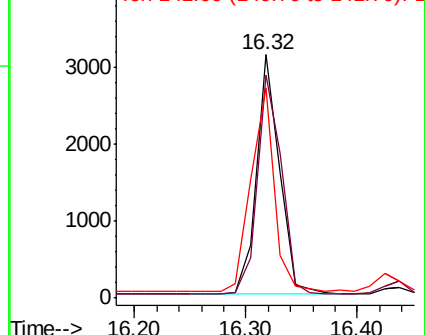
141 86.5 68.2 102.2

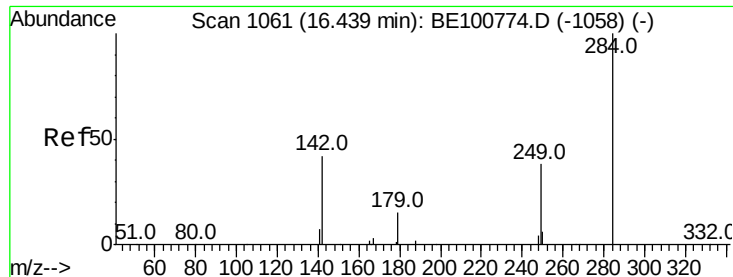


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.306 ng

RT: 16.44 min Scan# 1061

Delta R.T. 0.00 min

Lab File: BE100919.D

Acq: 16 Dec 2019 14:28

Instrument :

BNA_E

ClientSampleId :

MW202D-20191207MSD

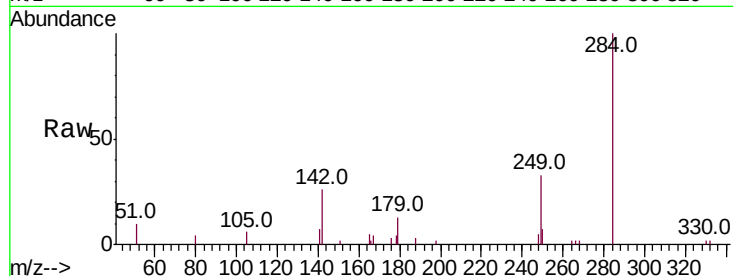
Tot Ion:284 Resp: 4391

Ion	Ratio	Lower	Upper
284	100		
142	43.3	35.0	52.4
249	35.0	28.1	42.1

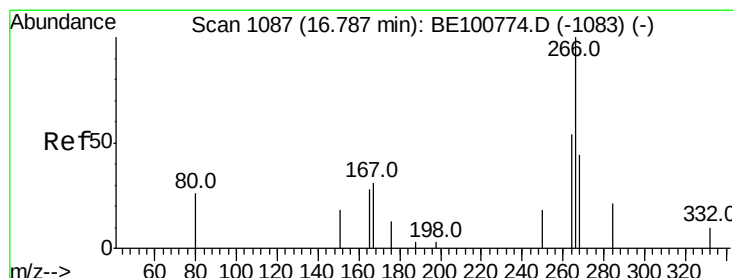
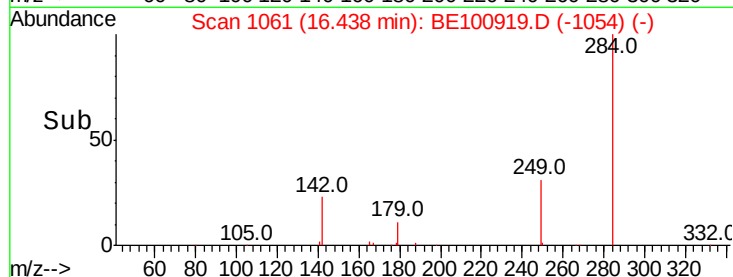
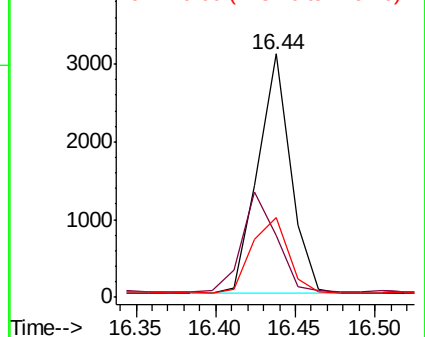
284 100

142 43.3 35.0 52.4

249 35.0 28.1 42.1



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: 1.927 ng

RT: 16.77 min Scan# 1086

Delta R.T. -0.01 min

Lab File: BE100919.D

Acq: 16 Dec 2019 14:28

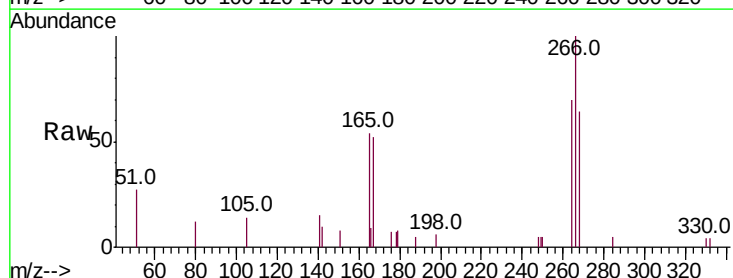
Tgt Ion:266 Resp: 1916

Ion	Ratio	Lower	Upper
266	100		
264	70.3	55.1	82.7
268	63.9	50.7	76.1

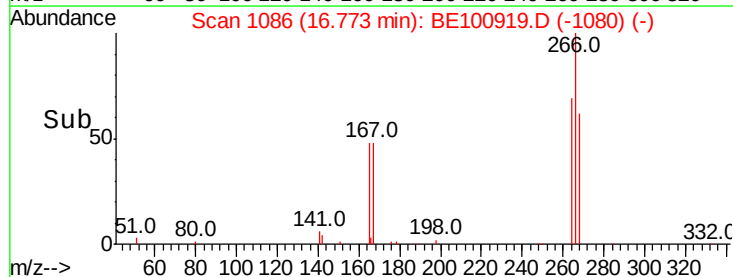
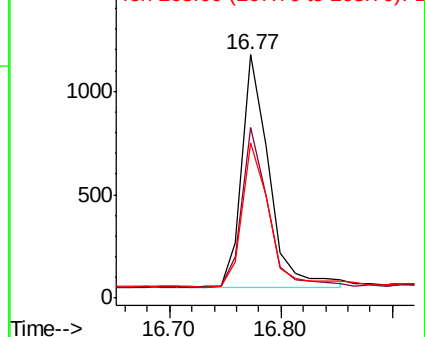
266 100

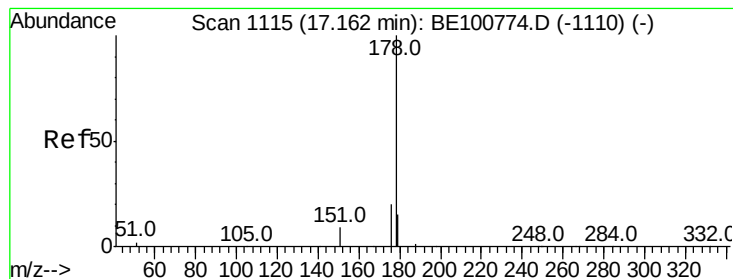
264 70.3 55.1 82.7

268 63.9 50.7 76.1



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: 0.356 ng

RT: 17.16 min Scan# 1115

Delta R.T. 0.00 min

Lab File: BE100919.D

Acq: 16 Dec 2019 14:28

Instrument :

BNA_E

ClientSampleId :

MW202D-20191207MSD

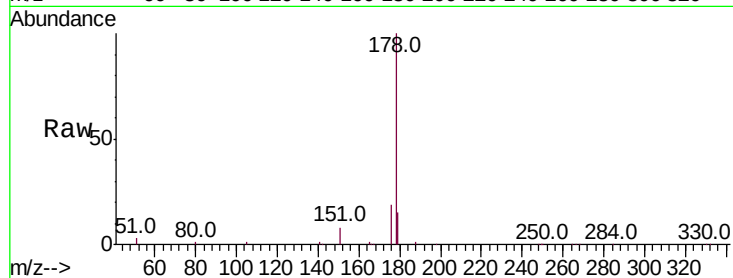
Tot Ion:178 Resp: 29036

Ion Ratio Lower Upper

178 100

176 19.3 15.6 23.4

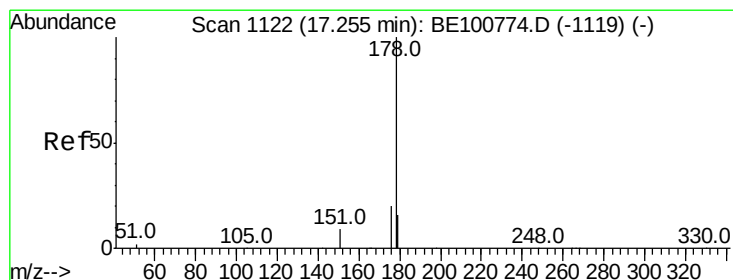
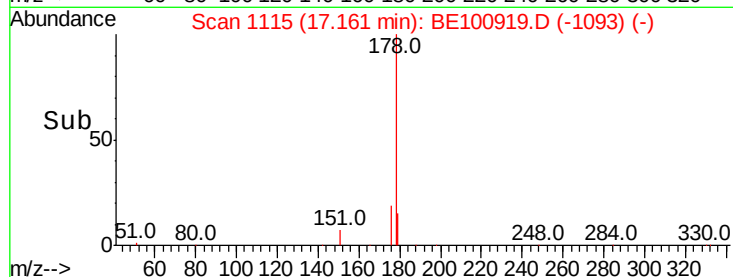
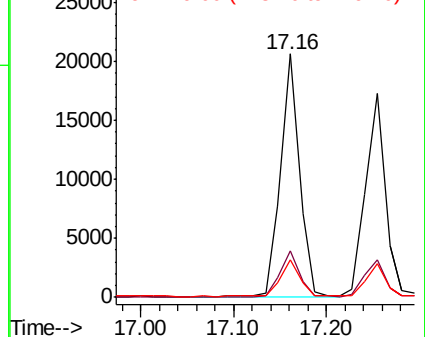
179 15.5 11.9 17.9



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: 0.371 ng

RT: 17.25 min Scan# 1122

Delta R.T. 0.00 min

Lab File: BE100919.D

Acq: 16 Dec 2019 14:28

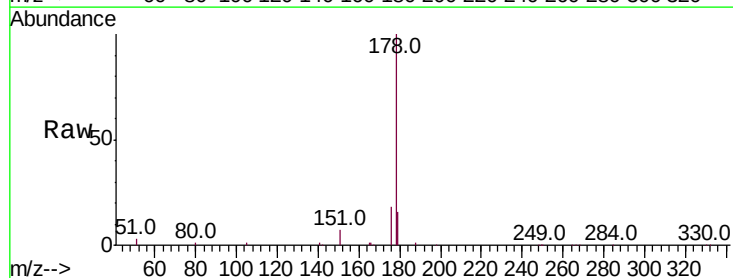
Tgt Ion:178 Resp: 25331

Ion Ratio Lower Upper

178 100

176 18.6 14.7 22.1

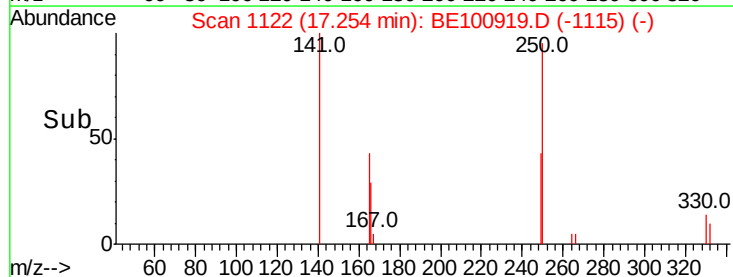
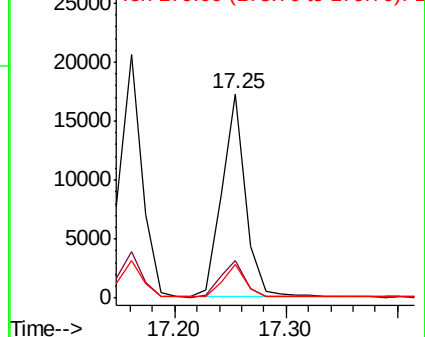
179 15.3 12.2 18.4

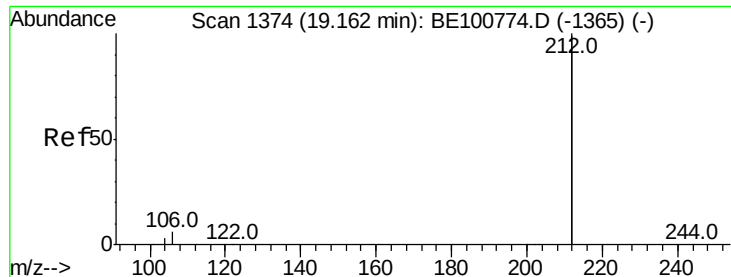


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.422 ng

RT: 19.15 min Scan# 1372

Delta R.T. 0.00 min

Lab File: BE100919.D

Acq: 16 Dec 2019 14:28

Instrument :

BNA_E

ClientSampleId :

MW202D-20191207MSD

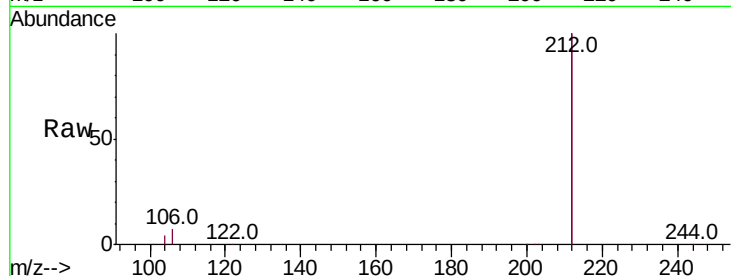
Tot Ion:212 Resp: 134323

Ion Ratio Lower Upper

212 100

106 3.4 2.6 4.0

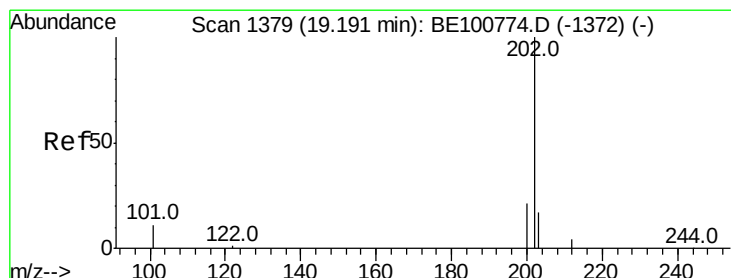
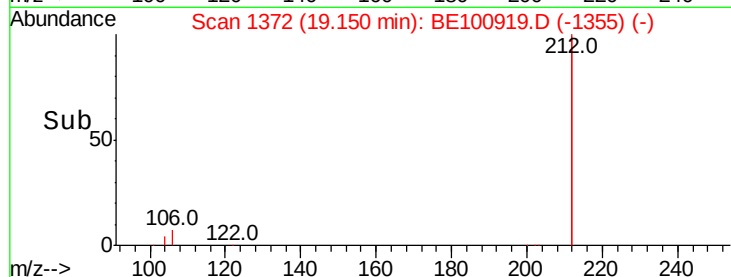
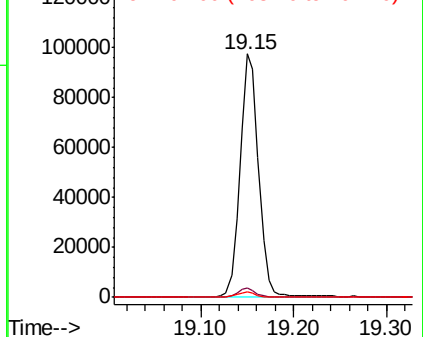
104 2.0 1.4 2.2



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: 0.385 ng

RT: 19.18 min Scan# 1378

Delta R.T. 0.00 min

Lab File: BE100919.D

Acq: 16 Dec 2019 14:28

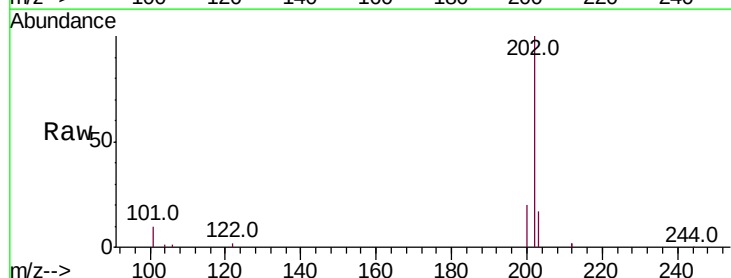
Tgt Ion:202 Resp: 37549

Ion Ratio Lower Upper

202 100

101 12.3 9.4 14.0

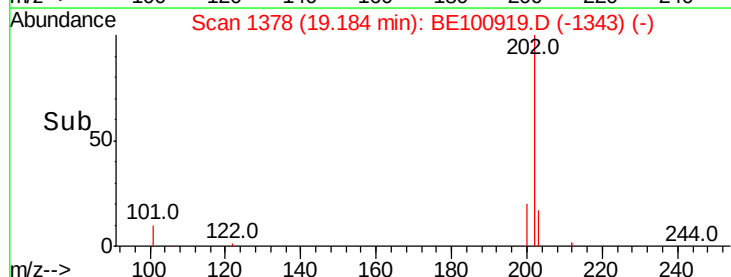
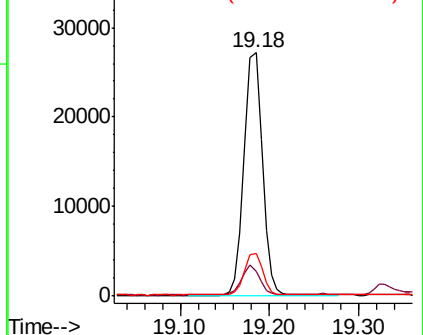
203 17.0 13.7 20.5

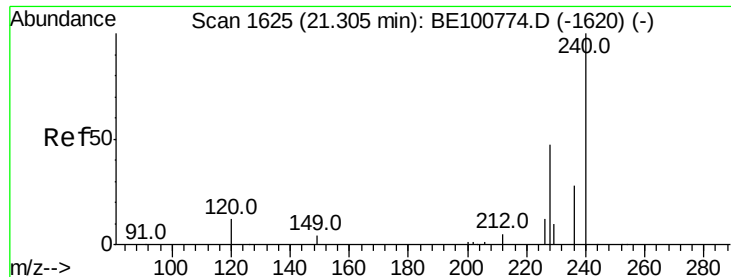


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

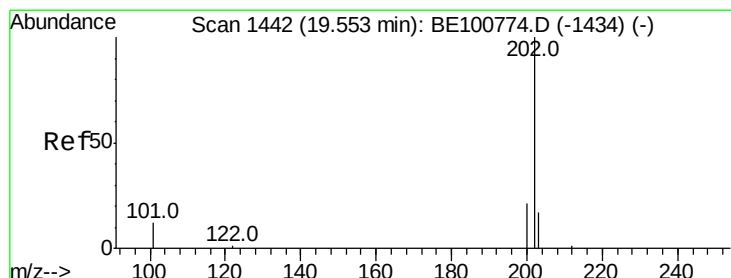
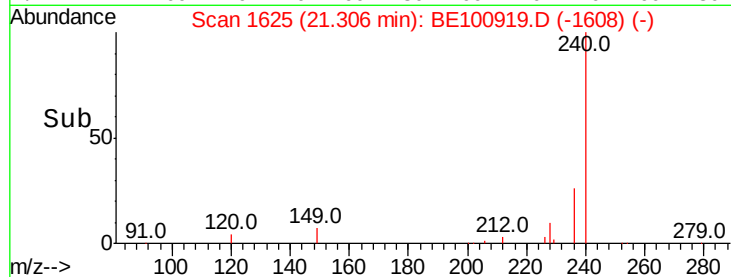
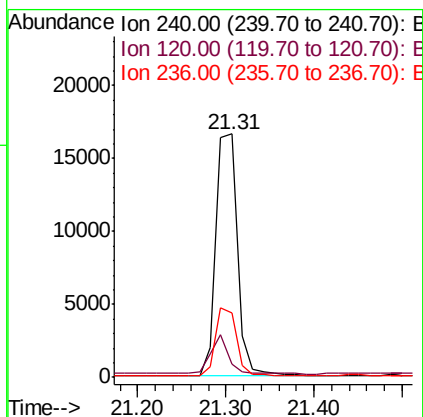
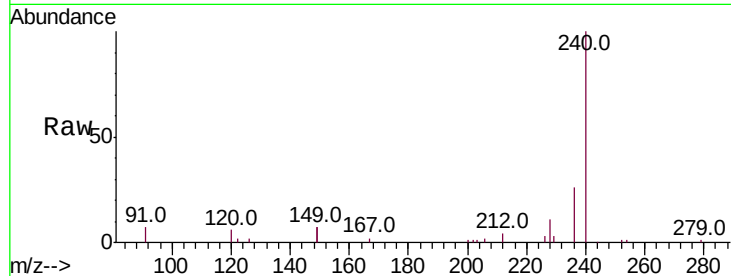




#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.31 min Scan# 1625
 Delta R.T. 0.00 min
 Lab File: BE100919.D
 Acq: 16 Dec 2019 14:28

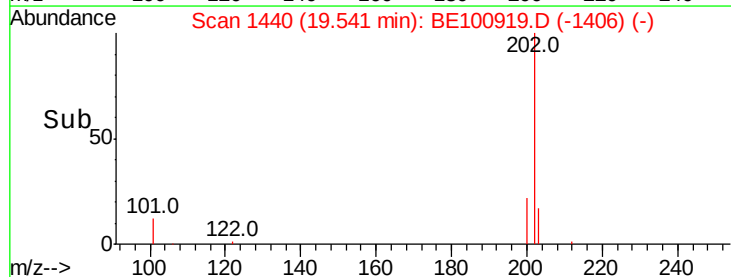
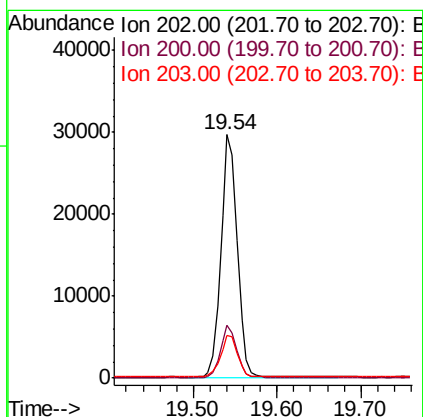
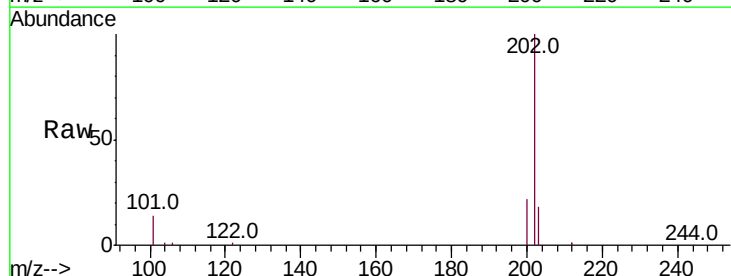
Instrument :
 BNA_E
 ClientSampleId :
 MW202D-20191207MSD

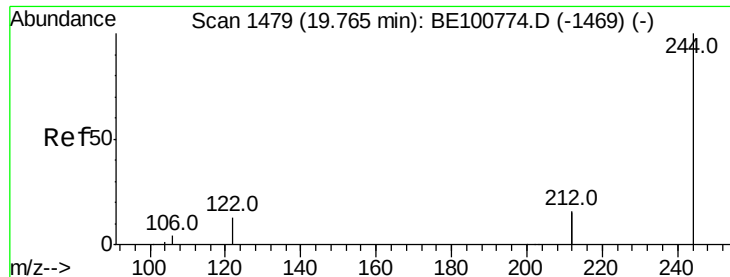
Tot Ion:240 Resp: 28253
 Ion Ratio Lower Upper
 240 100
 120 5.5 4.0 6.0
 236 26.5 21.6 32.4



#28
 Pyrene
 Concen: 0.435 ng
 RT: 19.54 min Scan# 1440
 Delta R.T. -0.01 min
 Lab File: BE100919.D
 Acq: 16 Dec 2019 14:28

Tgt Ion:202 Resp: 39938
 Ion Ratio Lower Upper
 202 100
 200 21.1 17.0 25.4
 203 18.0 13.8 20.8





#29

Terphenyl-d14

Concen: 0.378 ng

RT: 19.75 min Scan# 1477

Delta R.T. -0.01 min

Lab File: BE100919.D

Acq: 16 Dec 2019 14:28

Instrument :

BNA_E

ClientSampleId :

MW202D-20191207MSD

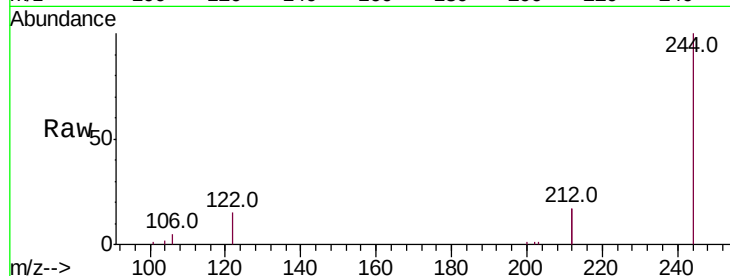
Tot Ion:244 Resp: 25577

Ion Ratio Lower Upper

244 100

212 33.5 25.2 37.8

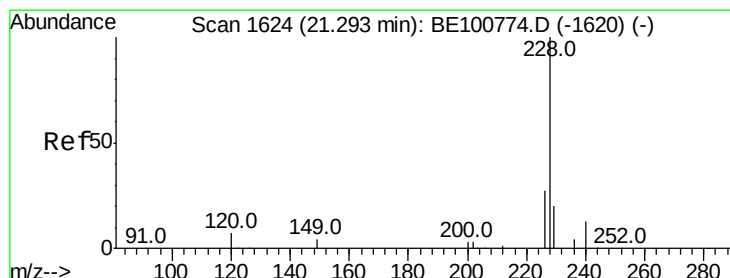
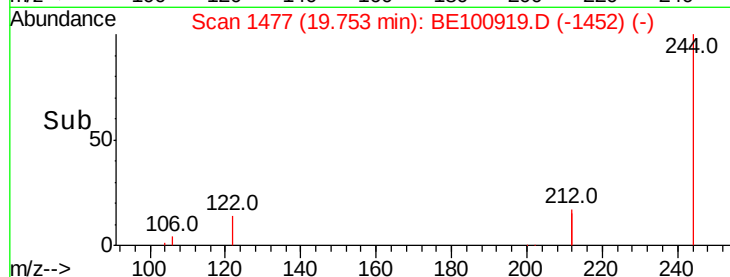
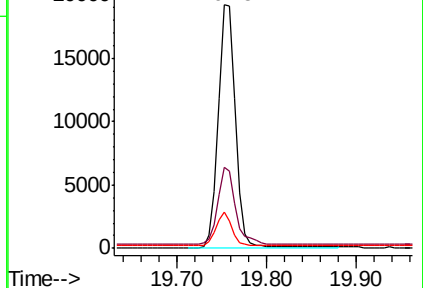
122 14.7 8.9 13.3#



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: 0.430 ng

RT: 21.28 min Scan# 1623

Delta R.T. 0.00 min

Lab File: BE100919.D

Acq: 16 Dec 2019 14:28

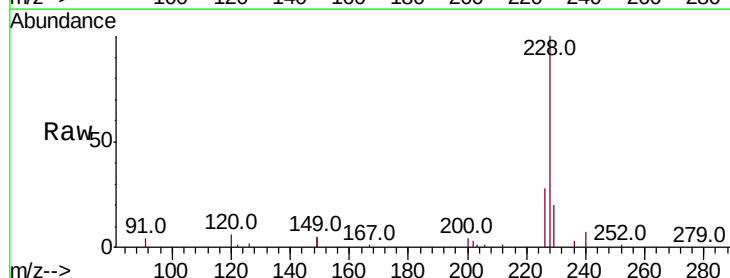
Tgt Ion:228 Resp: 35813

Ion Ratio Lower Upper

228 100

226 27.8 21.4 32.0

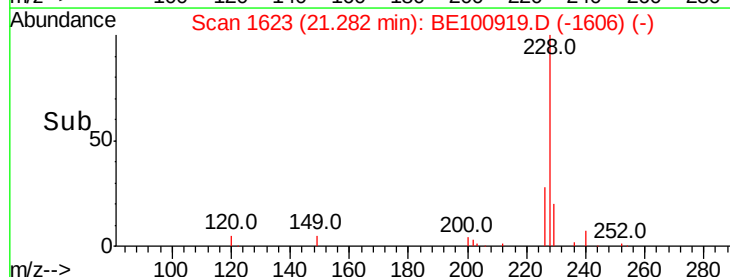
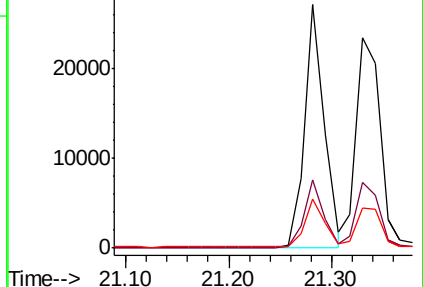
229 20.0 15.8 23.6

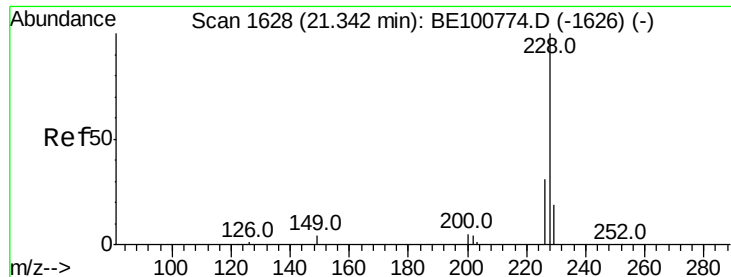


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.378 ng

RT: 21.33 min Scan# 1627

Delta R.T. 0.00 min

Lab File: BE100919.D

Acq: 16 Dec 2019 14:28

Instrument :

BNA_E

ClientSampleId :

MW202D-20191207MSD

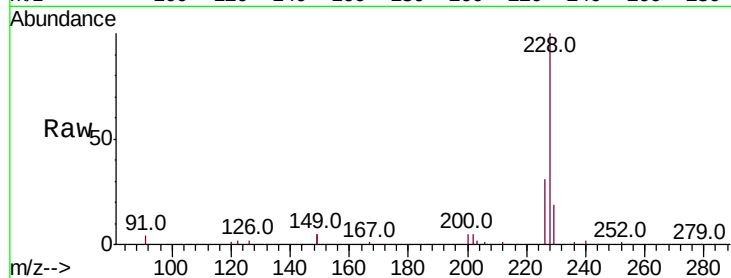
Tot Ion:228 Resp: 37001

Ion Ratio Lower Upper

228 100

226 31.4 25.3 37.9

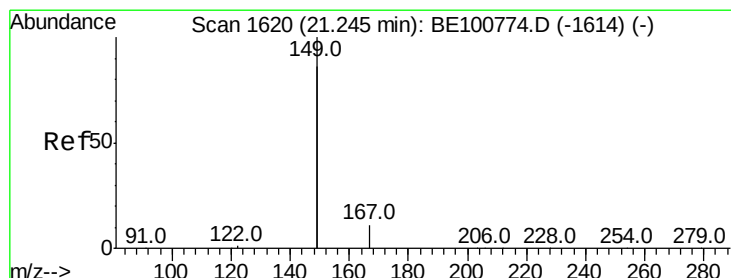
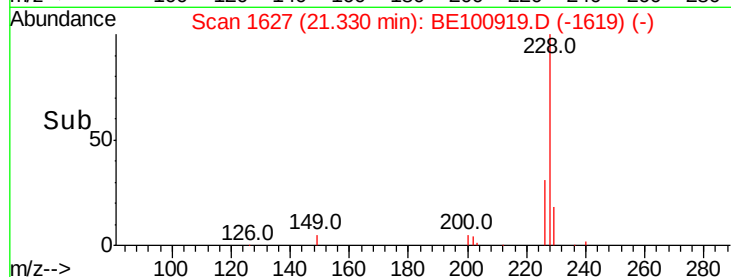
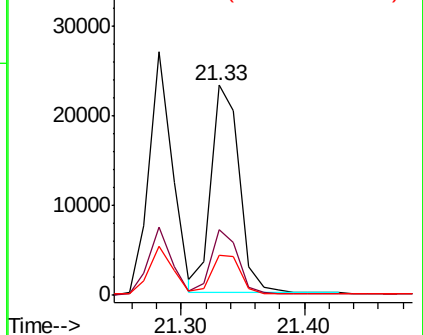
229 19.0 15.2 22.8



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: 2.096 ng

RT: 21.23 min Scan# 1619

Delta R.T. 0.00 min

Lab File: BE100919.D

Acq: 16 Dec 2019 14:28

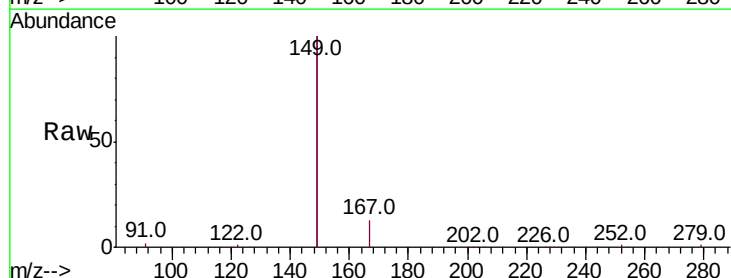
Tgt Ion:149 Resp: 173896

Ion Ratio Lower Upper

149 100

167 6.7 5.0 7.4

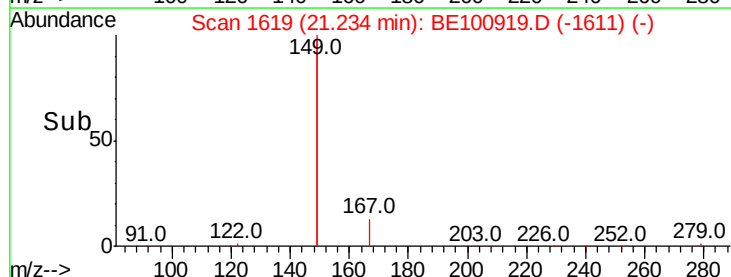
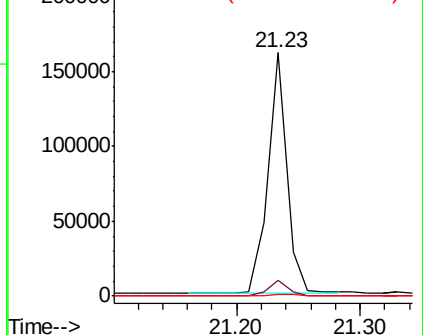
279 0.8 0.6 1.0

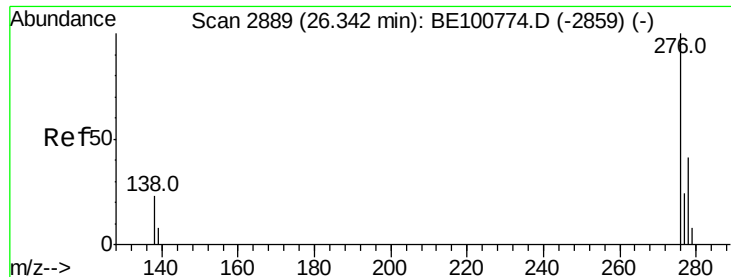


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.376 ng

RT: 26.31 min Scan# 2880

Delta R.T. -0.00 min

Lab File: BE100919.D

Acq: 16 Dec 2019 14:28

Instrument :

BNA_E

ClientSampleId :

MW202D-20191207MSD

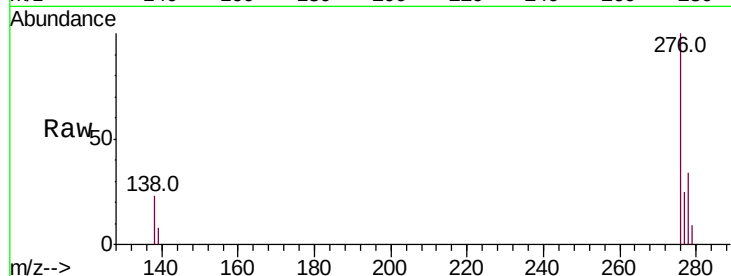
Tot Ion:276 Resp: 32085

Ion Ratio Lower Upper

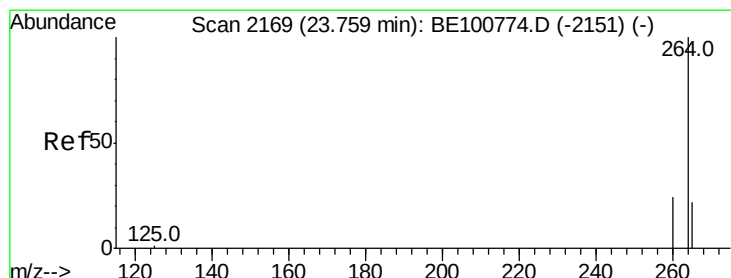
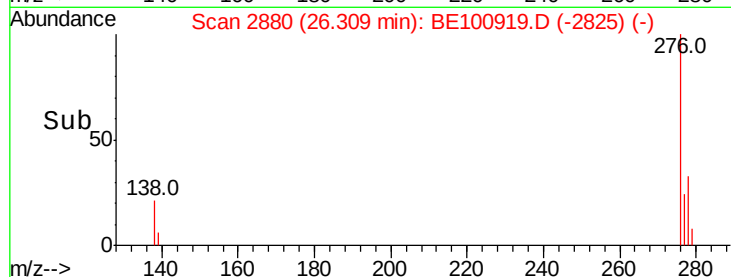
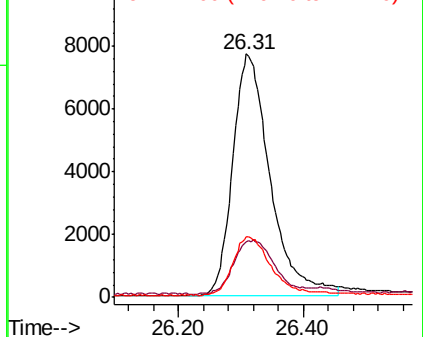
276 100

138 24.2 18.4 27.6

277 24.2 19.4 29.2



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: 23.74 min Scan# 2164

Delta R.T. -0.00 min

Lab File: BE100919.D

Acq: 16 Dec 2019 14:28

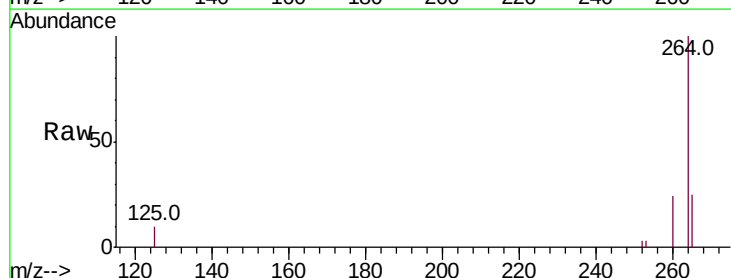
Tgt Ion:264 Resp: 33141

Ion Ratio Lower Upper

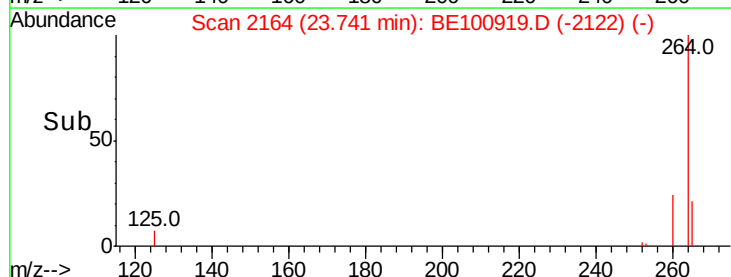
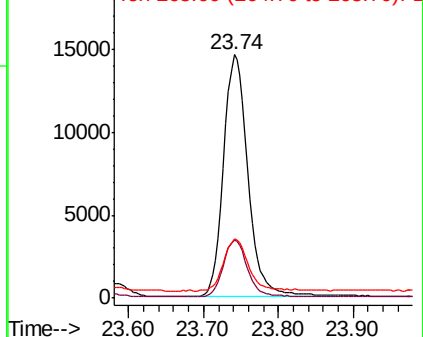
264 100

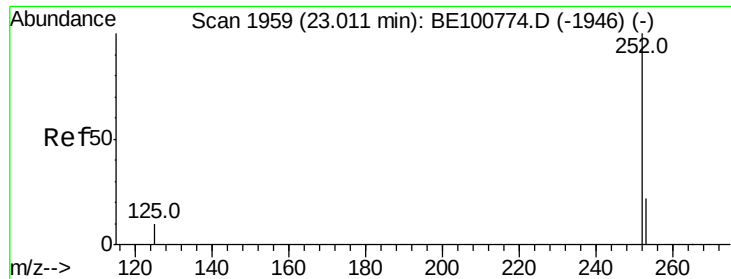
260 23.6 19.4 29.0

265 24.5 20.1 30.1



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: 0.350 ng

RT: 23.00 min Scan# 1955

Delta R.T. 0.00 min

Lab File: BE100919.D

Acq: 16 Dec 2019 14:28

Instrument :

BNA_E

ClientSampleId :

MW202D-20191207MSD

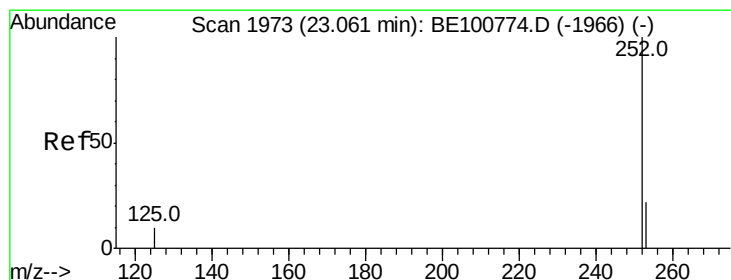
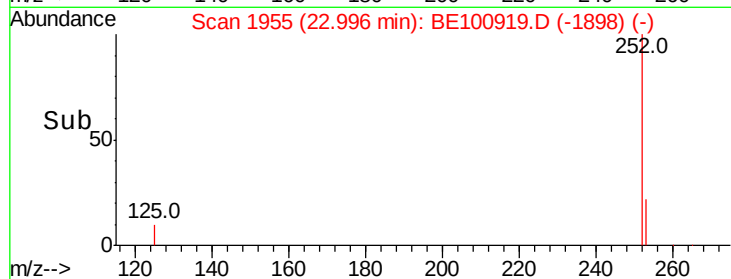
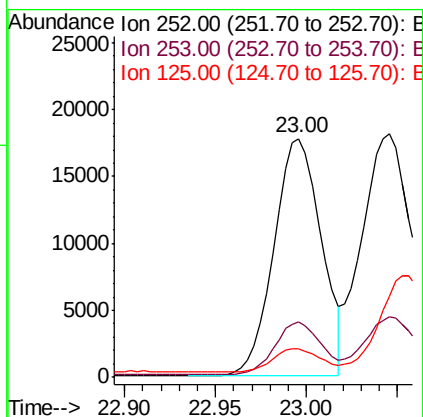
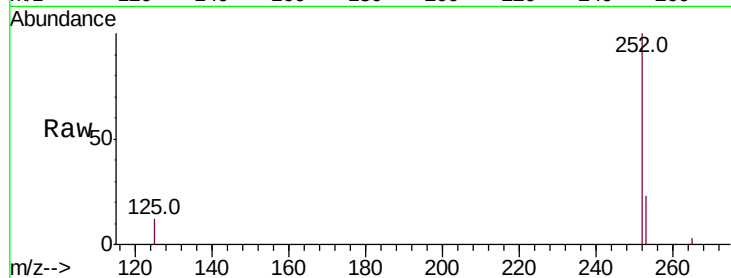
Tot Ion:252 Resp: 31740

Ion Ratio Lower Upper

252 100

253 23.1 17.8 26.6

125 12.0 8.3 12.5



#36

Benzo(k)fluoranthene

Concen: 0.312 ng

RT: 23.00 min Scan# 1955

Delta R.T. -0.05 min

Lab File: BE100919.D

Acq: 16 Dec 2019 14:28

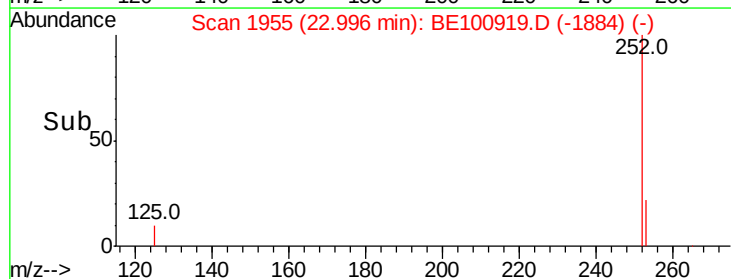
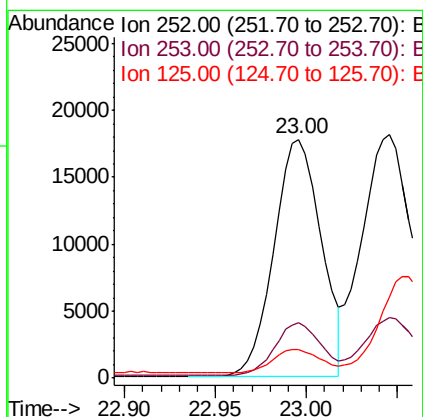
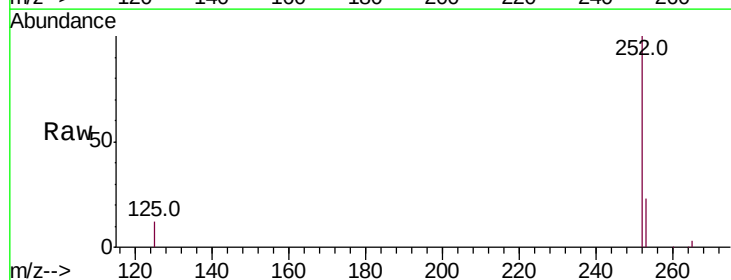
Tgt Ion:252 Resp: 31740

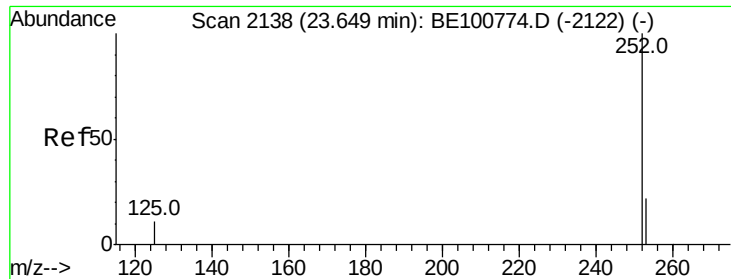
Ion Ratio Lower Upper

252 100

253 23.1 17.8 26.6

125 12.0 9.4 14.0

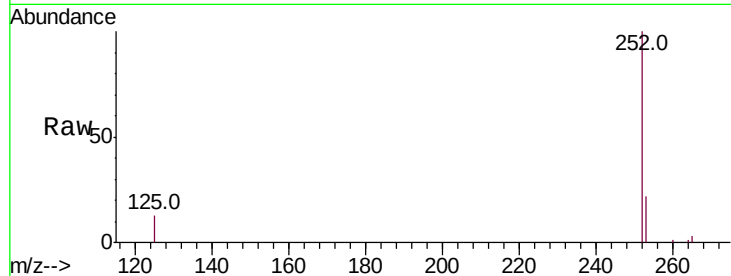




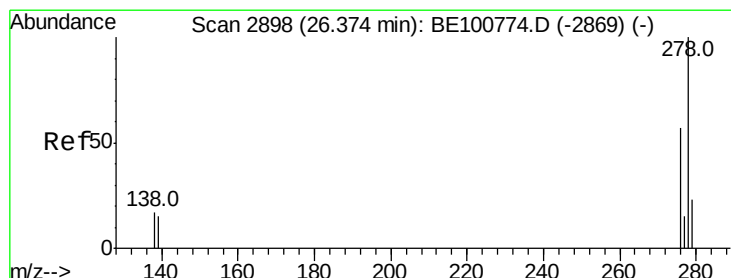
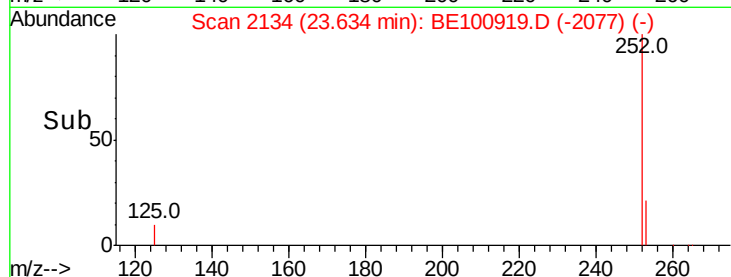
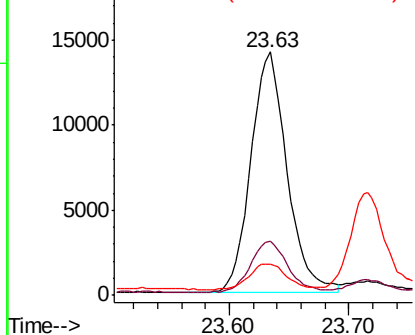
#37
Benzo(a)pyrene
Concen: 0.381 ng
RT: 23.63 min Scan# 2134
Delta R.T. 0.00 min
Lab File: BE100919.D
Acq: 16 Dec 2019 14:28

Instrument :
BNA_E
ClientSampleId :
MW202D-20191207MSD

Tot Ion:252 Resp: 29927
Ion Ratio Lower Upper
252 100
253 22.4 17.8 26.8
125 13.0 9.9 14.9

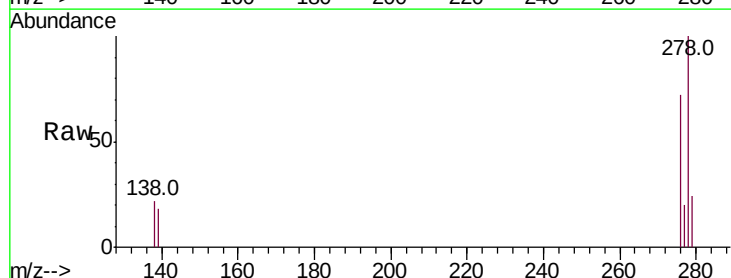


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

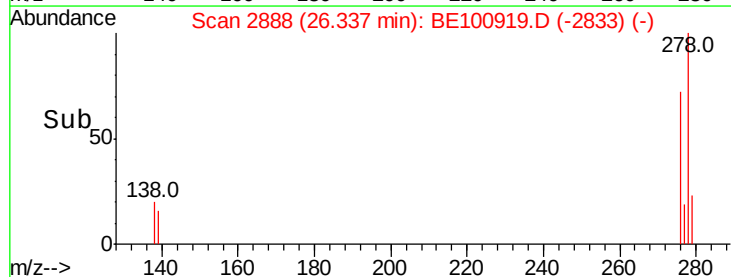
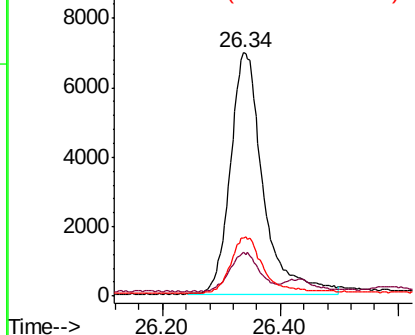


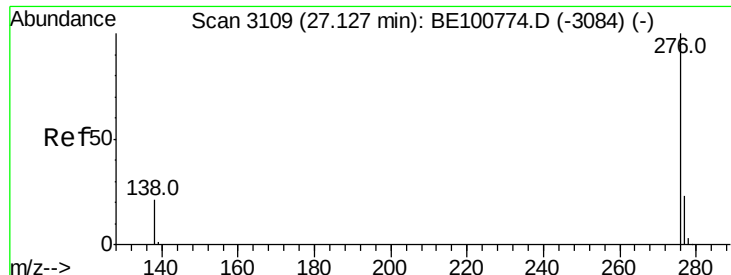
#38
Dibenzo(a,h)anthracene
Concen: 0.343 ng
RT: 26.34 min Scan# 2888
Delta R.T. -0.00 min
Lab File: BE100919.D
Acq: 16 Dec 2019 14:28

Tgt Ion:278 Resp: 26805
Ion Ratio Lower Upper
278 100
139 18.0 13.8 20.6
279 23.7 19.8 29.6



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: 0.337 ng

RT: 27.10 min Scan# 3102

Delta R.T. -0.00 min

Lab File: BE100919.D

Acq: 16 Dec 2019 14:28

Instrument :

BNA_E

ClientSampleId :

MW202D-20191207MSD

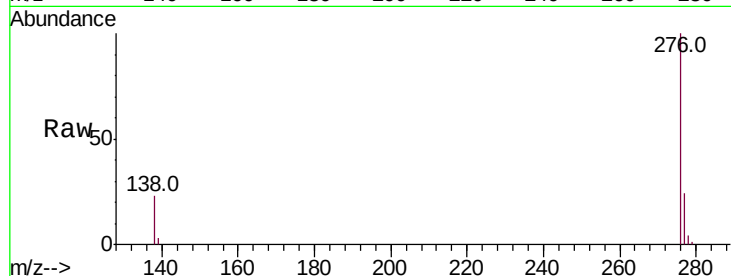
Tot Ion:276 Resp: 28141

Ion Ratio Lower Upper

276 100

277 24.4 19.7 29.5

138 22.7 18.0 27.0



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

