

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061920\  
 Data File : BN010990.D  
 Acq On : 20 Jun 2020 05:35  
 Operator : CG/JU  
 Sample : L3020-21MS  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 MW-23MS

Quant Time: Jun 20 06:20:15 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN061020.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jun 19 12:43:49 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.52  | 152  | 3052     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.28 | 136  | 11157    | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.15 | 164  | 6535     | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 16.91 | 188  | 14164    | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.11 | 240  | 11850    | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 23.25 | 264  | 11837    | 0.40 | ng    | 0.00     |

|                             |       |     |       |      |    |      |
|-----------------------------|-------|-----|-------|------|----|------|
| System Monitoring Compounds |       |     |       |      |    |      |
| 4) 2-Fluorophenol           | 5.18  | 112 | 1371  | 0.23 | ng | 0.00 |
| 5) Phenol-d6                | 6.73  | 99  | 1102  | 0.16 | ng | 0.00 |
| 8) Nitrobenzene-d5          | 8.67  | 82  | 3628  | 0.44 | ng | 0.00 |
| 11) 2-Methylnaphthalene-d10 | 11.87 | 152 | 6192  | 0.36 | ng | 0.00 |
| 14) 2,4,6-Tribromophenol    | 15.65 | 330 | 1348  | 0.58 | ng | 0.00 |
| 15) 2-Fluorobiphenyl        | 12.77 | 172 | 12416 | 0.48 | ng | 0.00 |
| 25) Fluoranthene-d10        | 18.94 | 212 | 14852 | 0.38 | ng | 0.00 |
| 29) Terphenyl-d14           | 19.56 | 244 | 18000 | 0.65 | ng | 0.00 |

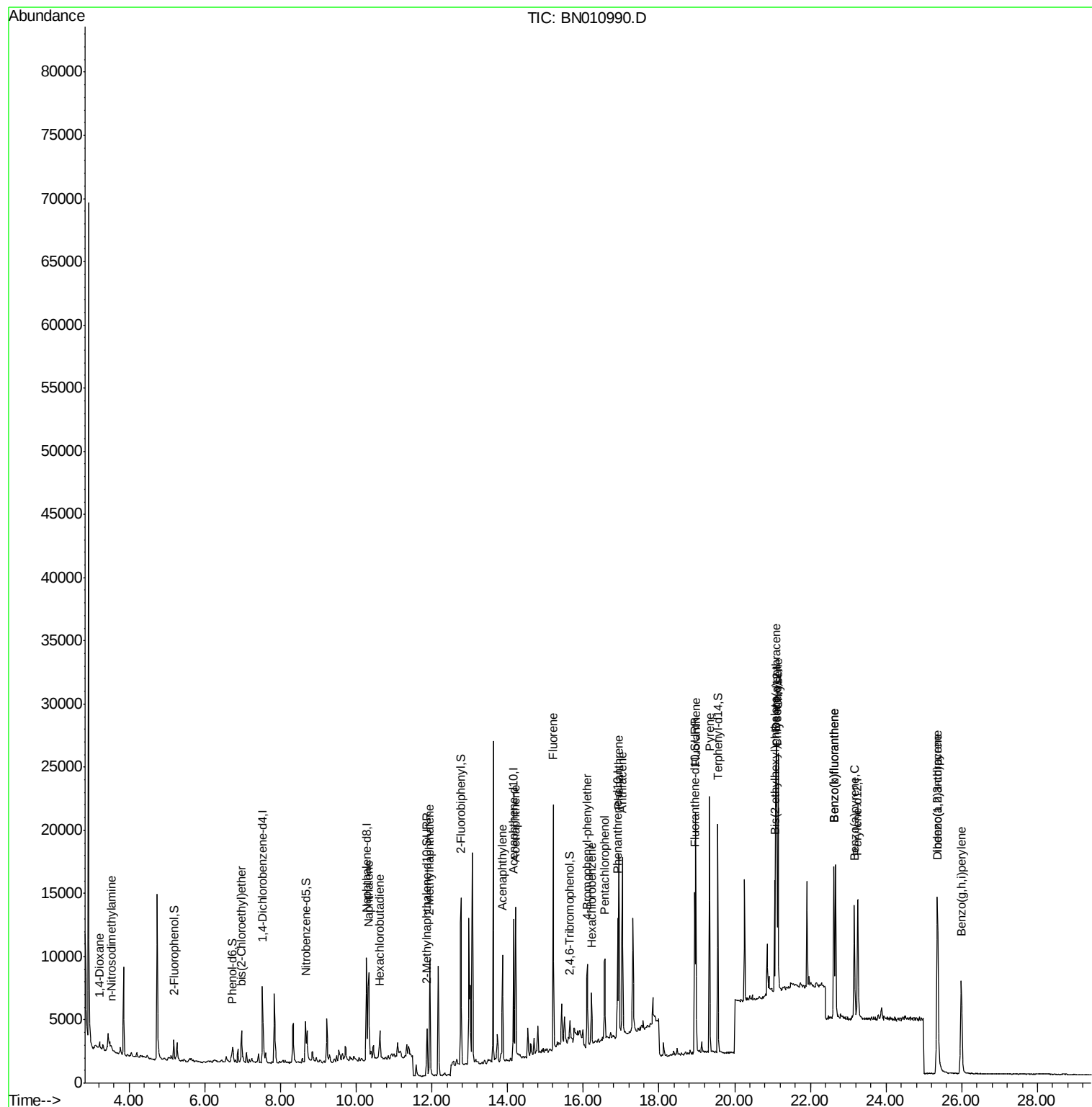
|                                |       |     |       |        |    |       |
|--------------------------------|-------|-----|-------|--------|----|-------|
| Target Compounds               |       |     |       | Qvalue |    |       |
| 2) 1,4-Dioxane                 | 3.22  | 88  | 433   | 0.145  | ng | # 52  |
| 3) n-Nitrosodimethylamine      | 3.51  | 42  | 312   | 0.180  | ng | # 93  |
| 6) bis(2-Chloroethyl)ether     | 6.97  | 93  | 2444  | 0.361  | ng | 96    |
| 9) Naphthalene                 | 10.33 | 128 | 9607  | 0.343  | ng | 99    |
| 10) Hexachlorobutadiene        | 10.62 | 225 | 1765  | 0.255  | ng | # 100 |
| 12) 2-Methylnaphthalene        | 11.95 | 142 | 6677  | 0.356  | ng | 98    |
| 16) Acenaphthylene             | 13.86 | 152 | 9356  | 0.349  | ng | 98    |
| 17) Acenaphthene               | 14.21 | 154 | 6188  | 0.339  | ng | 97    |
| 18) Fluorene                   | 15.21 | 166 | 8876  | 0.377  | ng | 99    |
| 20) 4-Bromophenyl-phenylether  | 16.11 | 248 | 2893  | 0.340  | ng | 96    |
| 21) Hexachlorobenzene          | 16.22 | 284 | 2811  | 0.317  | ng | # 92  |
| 22) Pentachlorophenol          | 16.57 | 266 | 3401  | 1.141  | ng | 94    |
| 23) Phenanthrene               | 16.94 | 178 | 16011 | 0.414  | ng | 99    |
| 24) Anthracene                 | 17.03 | 178 | 14457 | 0.448  | ng | 98    |
| 26) Fluoranthene               | 18.97 | 202 | 17800 | 0.405  | ng | # 97  |
| 28) Pyrene                     | 19.34 | 202 | 17947 | 0.458  | ng | 99    |
| 30) Benzo(a)anthracene         | 21.09 | 228 | 14998 | 0.431  | ng | 97    |
| 31) Chrysene                   | 21.14 | 228 | 15183 | 0.374  | ng | 99    |
| 32) Bis(2-ethylhexyl)phthalate | 21.06 | 149 | 8356  | 0.720  | ng | 97    |
| 33) Indeno(1,2,3-cd)pyrene     | 25.36 | 276 | 16531 | 0.364  | ng | # 95  |
| 35) Benzo(b)fluoranthene       | 22.62 | 252 | 14410 | 0.358  | ng | 97    |
| 36) Benzo(k)fluoranthene       | 22.62 | 252 | 14410 | 0.336  | ng | 97    |
| 37) Benzo(a)pyrene             | 23.16 | 252 | 12593 | 0.365  | ng | 97    |
| 38) Dibenzo(a,h)anthracene     | 25.37 | 278 | 13732 | 0.349  | ng | 97    |
| 39) Benzo(g,h,i)perylene       | 25.99 | 276 | 14697 | 0.357  | ng | 98    |

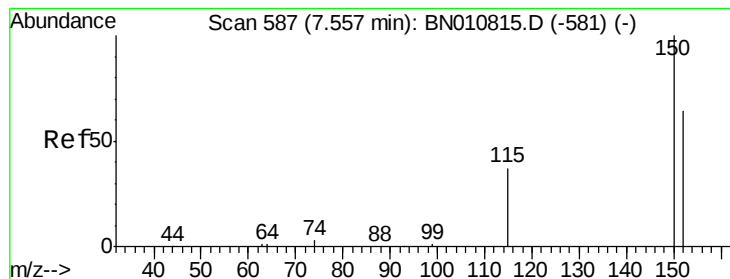
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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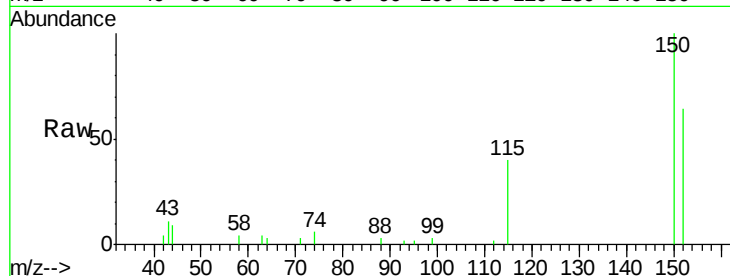


#1

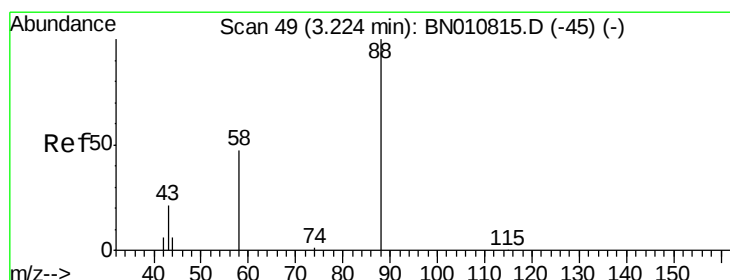
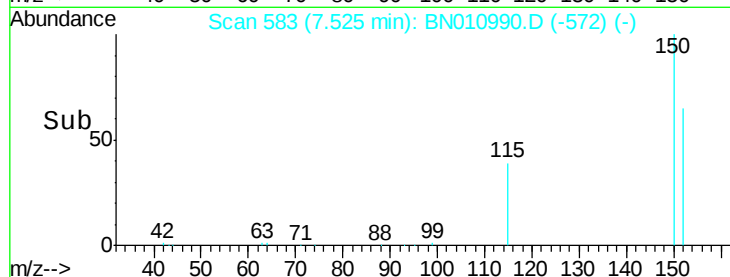
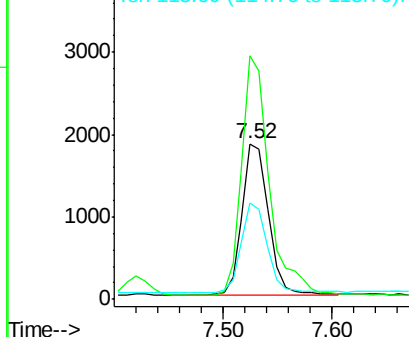
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.52 min Scan# 583  
Delta R.T. -0.01 min  
Lab File: BN010990.D  
Acq: 20 Jun 2020 05:35

Instrument :  
BNA\_N  
ClientSampleId :  
MW-23MS

Tot Ion:152 Resp: 3052  
Ion Ratio Lower Upper  
152 100  
150 156.7 123.8 185.6  
115 62.4 49.2 73.8



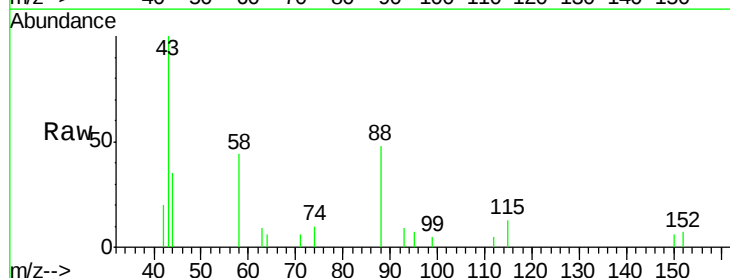
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



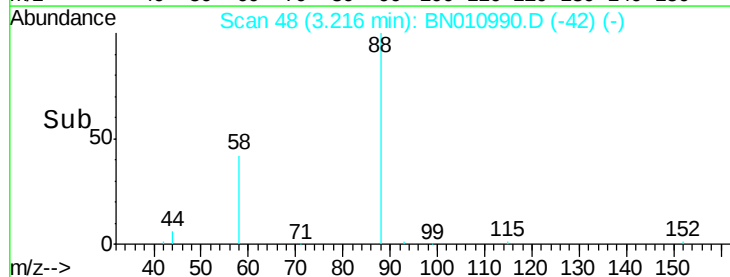
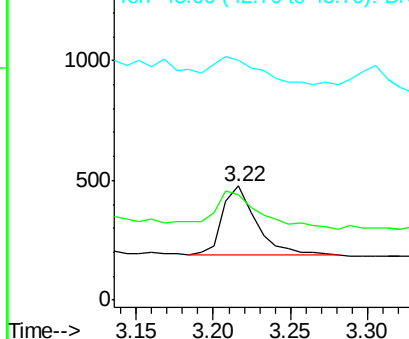
#2

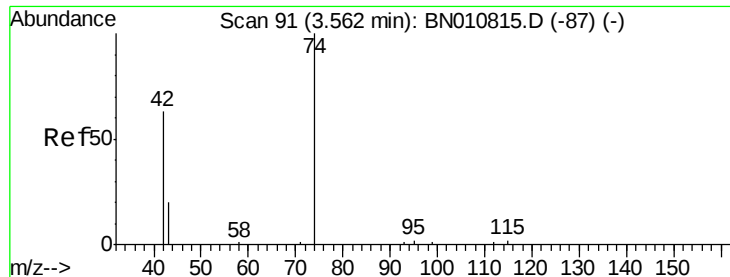
1,4-Dioxane  
Concen: 0.145 ng  
RT: 3.22 min Scan# 48  
Delta R.T. 0.00 min  
Lab File: BN010990.D  
Acq: 20 Jun 2020 05:35

Tgt Ion: 88 Resp: 433  
Ion Ratio Lower Upper  
88 100  
58 72.7 38.2 57.4#  
43 52.4 15.1 22.7#



Abundance Ion 88.00 (87.70 to 88.70): BN0  
Ion 58.00 (57.70 to 58.70): BN0  
Ion 43.00 (42.70 to 43.70): BN0





#3

n-Nitrosodimethylamine

Concen: 0.180 ng

RT: 3.51 min Scan# 85

Delta R.T. -0.01 min

Lab File: BN010990.D

Acq: 20 Jun 2020 05:35

Instrument :

BNA\_N

ClientSampleId :

MW-23MS

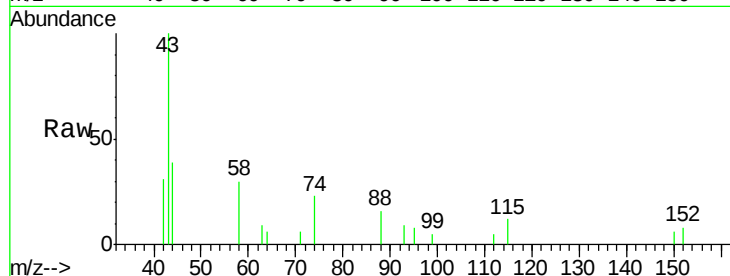
Tot Ion: 42 Resp: 312

Ion Ratio Lower Upper

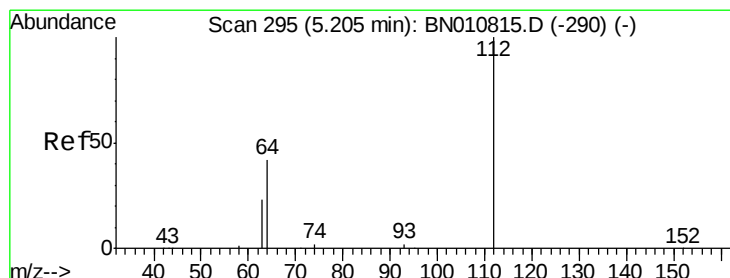
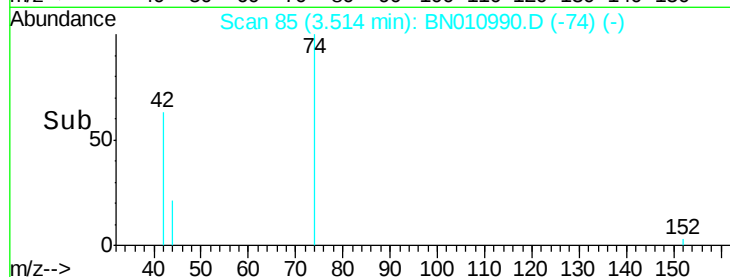
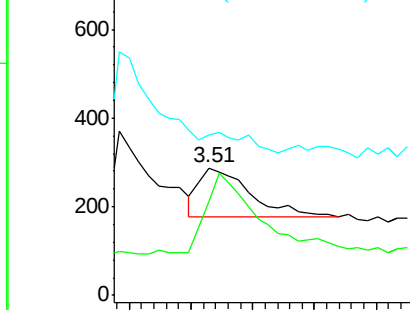
42 100

74 166.7 140.7 211.1

44 0.0 1.4 2.2#



Abundance Ion 42.00 (41.70 to 42.70): BN0  
Ion 74.00 (73.70 to 74.70): BN0  
Ion 44.00 (43.70 to 44.70): BN0



#4

2-Fluorophenol

Concen: 0.233 ng

RT: 5.18 min Scan# 292

Delta R.T. 0.00 min

Lab File: BN010990.D

Acq: 20 Jun 2020 05:35

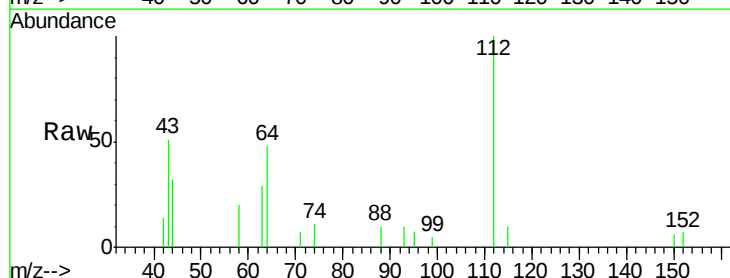
Tgt Ion: 112 Resp: 1371

Ion Ratio Lower Upper

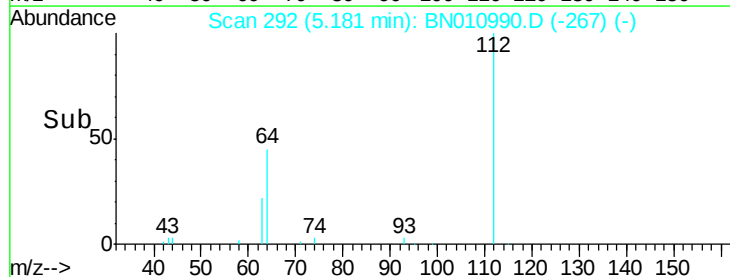
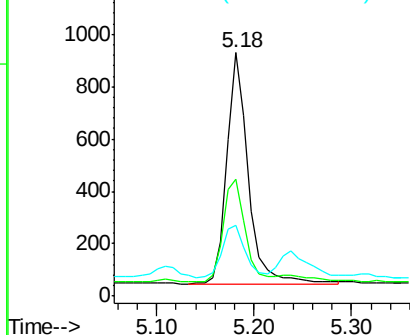
112 100

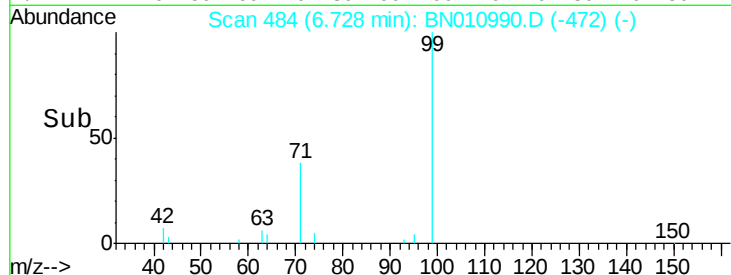
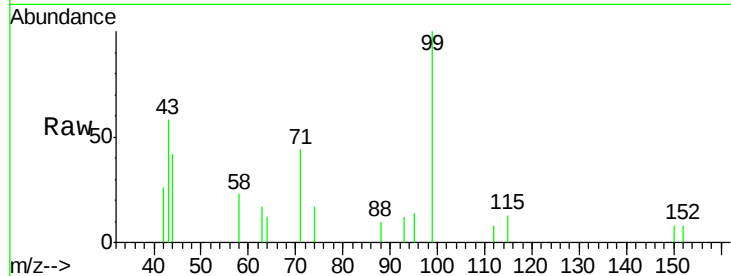
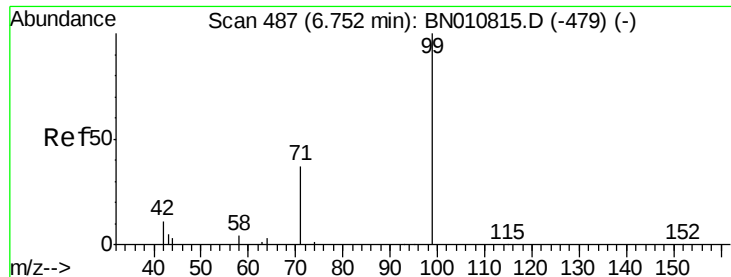
64 45.7 37.4 56.0

63 24.4 22.2 33.4



Abundance Ion 112.00 (111.70 to 112.70): E  
Ion 64.00 (63.70 to 64.70): BN0  
Ion 63.00 (62.70 to 63.70): BN0





#5

Phenol-d6

Concen: 0.159 ng

RT: 6.73 min Scan# 484

Delta R.T. 0.00 min

Lab File: BN010990.D

Acq: 20 Jun 2020 05:35

Instrument :

BNA\_N

ClientSampleId :

MW-23MS

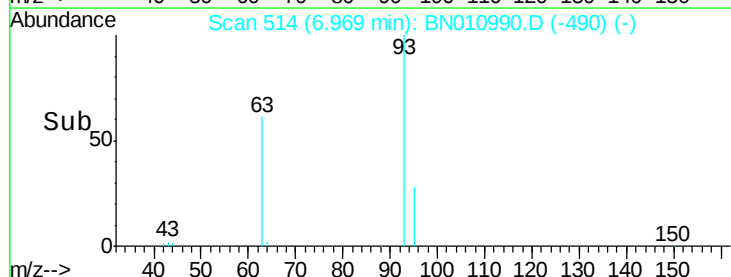
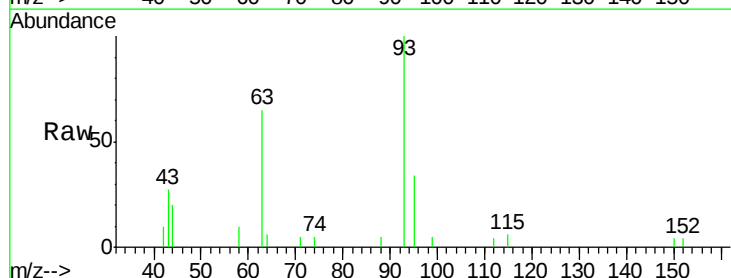
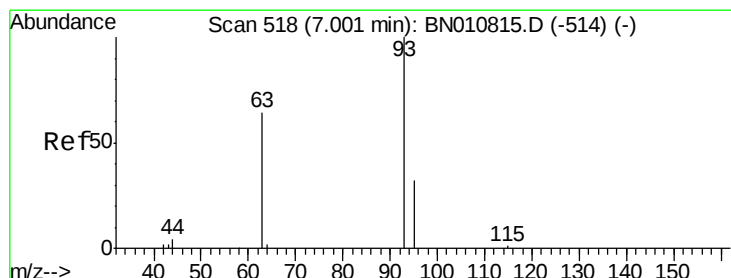
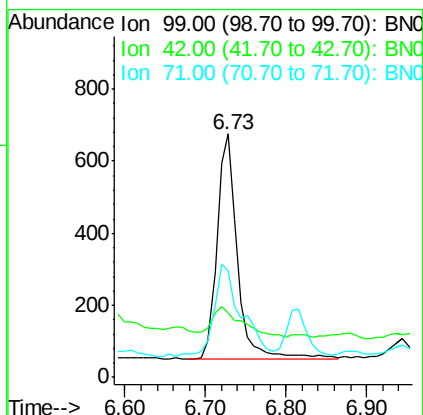
Tot Ion: 99 Resp: 1102

Ion Ratio Lower Upper

99 100

42 19.8 11.1 16.7#

71 55.0 31.4 47.2#



#6

bis(2-Chloroethyl)ether

Concen: 0.361 ng

RT: 6.97 min Scan# 514

Delta R.T. -0.01 min

Lab File: BN010990.D

Acq: 20 Jun 2020 05:35

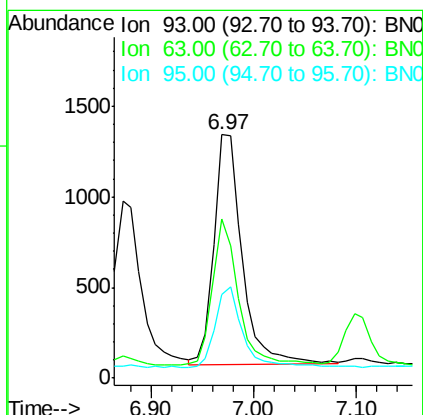
Tgt Ion: 93 Resp: 2444

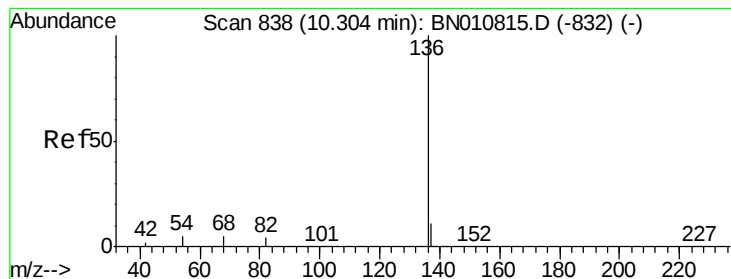
Ion Ratio Lower Upper

93 100

63 57.3 49.4 74.2

95 33.5 26.7 40.1





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.28 min Scan# 836

Delta R.T. 0.00 min

Lab File: BN010990.D

Acq: 20 Jun 2020 05:35

Instrument :

BNA\_N

ClientSampleId :

MW-23MS

Tot Ion:136 Resp: 11157

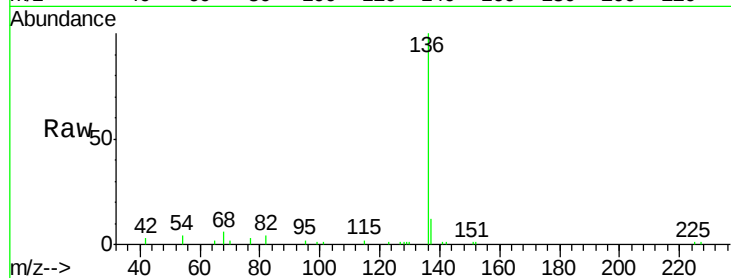
Ion Ratio Lower Upper

136 100

137 11.8 9.7 14.5

54 4.2 4.9 7.3#

68 5.5 4.7 7.1

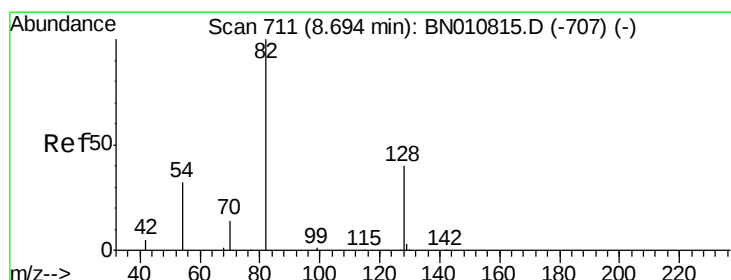
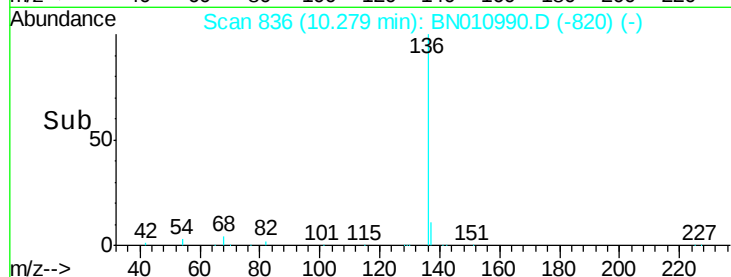
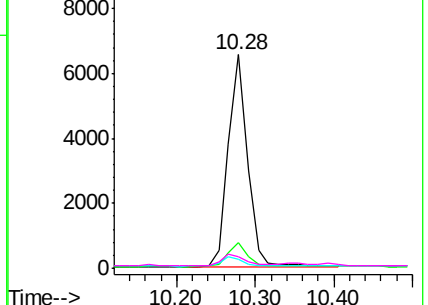


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BNC

Ion 68.00 (67.70 to 68.70): BNC



#8

Nitrobenzene-d5

Concen: 0.439 ng

RT: 8.67 min Scan# 709

Delta R.T. 0.00 min

Lab File: BN010990.D

Acq: 20 Jun 2020 05:35

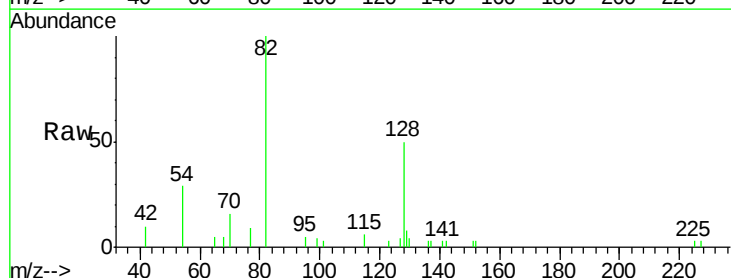
Tgt Ion: 82 Resp: 3628

Ion Ratio Lower Upper

82 100

128 50.2 35.4 53.0

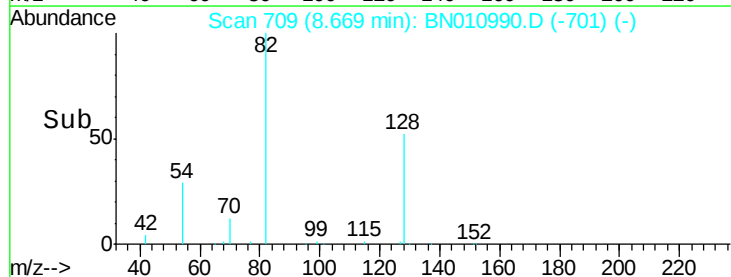
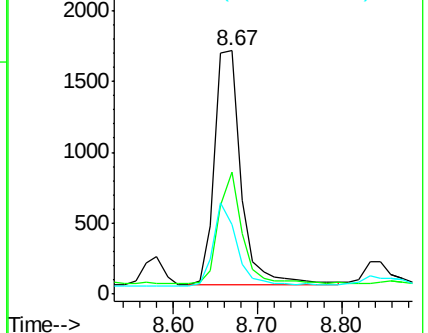
54 28.5 28.2 42.4

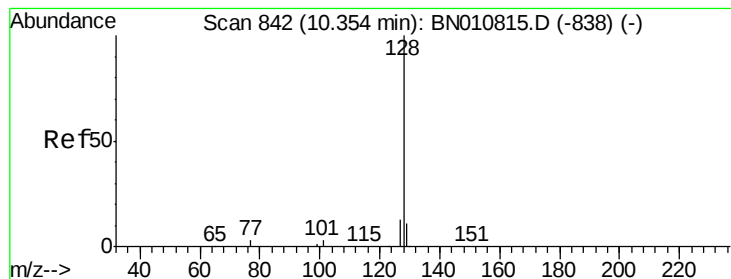


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#9

Naphthalene

Concen: 0.343 ng

RT: 10.33 min Scan# 840

Delta R.T. 0.00 min

Lab File: BN010990.D

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Instrument :

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ClientSampleId :

MW-23MS

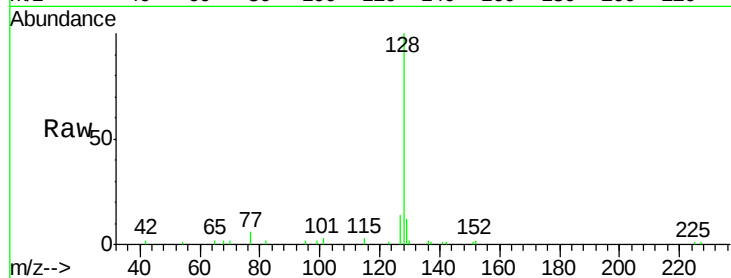
Tot Ion:128 Resp: 9607

Ion Ratio Lower Upper

128 100

129 12.3 9.6 14.4

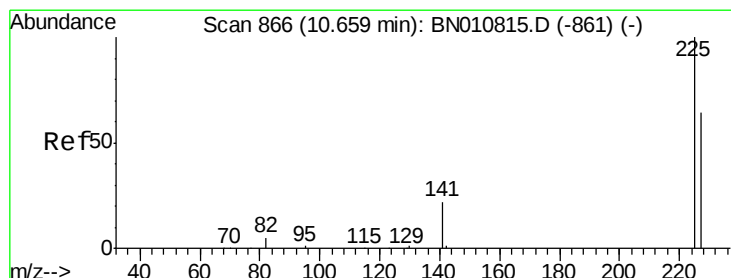
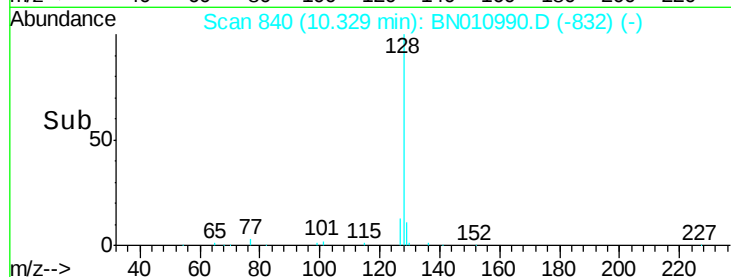
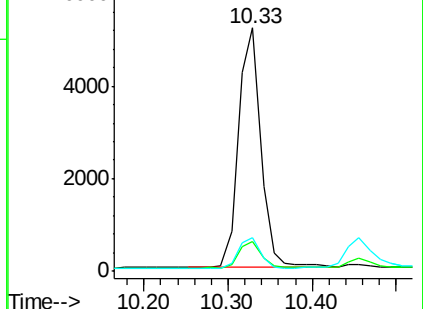
127 14.0 11.4 17.2



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: 0.255 ng

RT: 10.62 min Scan# 863

Delta R.T. 0.00 min

Lab File: BN010990.D

Acq: 20 Jun 2020 05:35

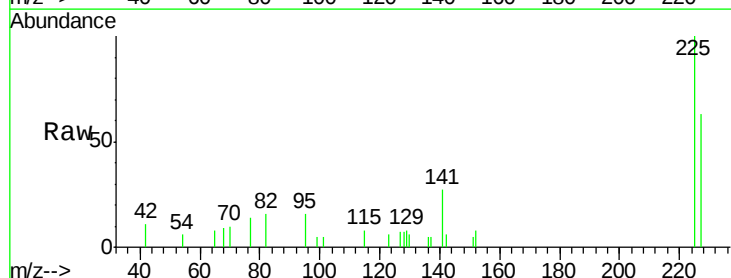
Tgt Ion:225 Resp: 1765

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

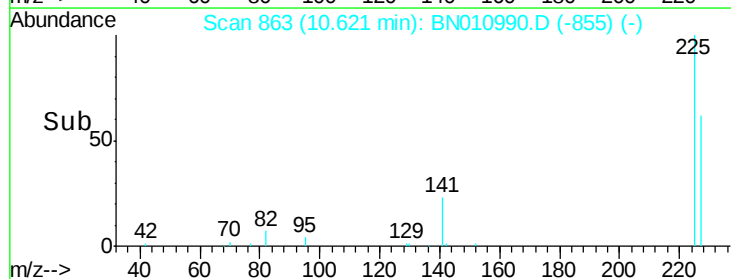
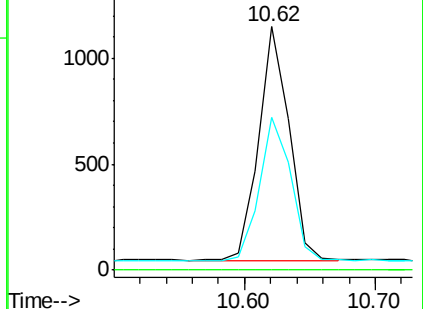
227 63.3 50.5 75.7

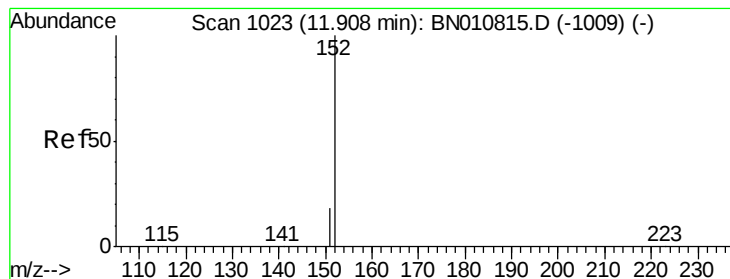


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.358 ng

RT: 11.87 min Scan# 1015

Delta R.T. -0.00 min

Lab File: BN010990.D

Acq: 20 Jun 2020 05:35

Instrument :

BNA\_N

ClientSampleId :

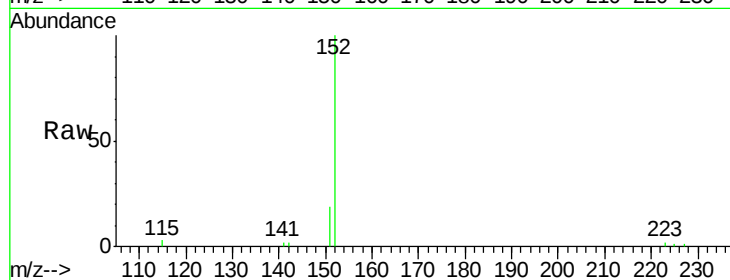
MW-23MS

Tot Ion:152 Resp: 6192

Ion Ratio Lower Upper

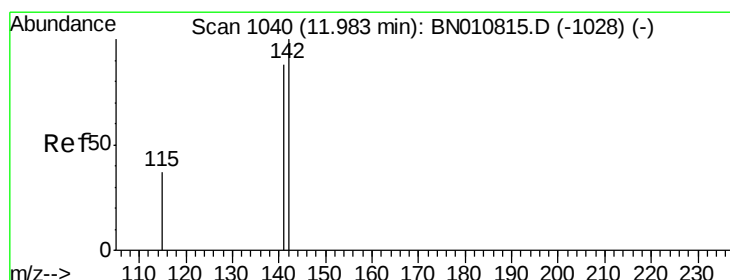
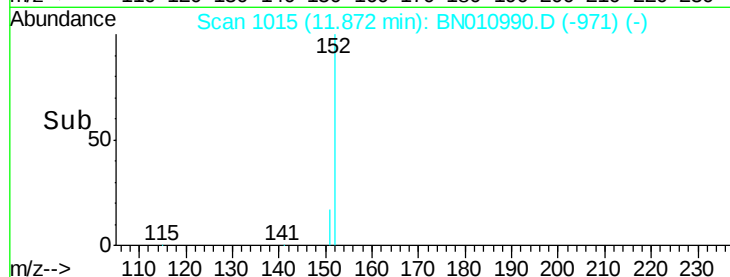
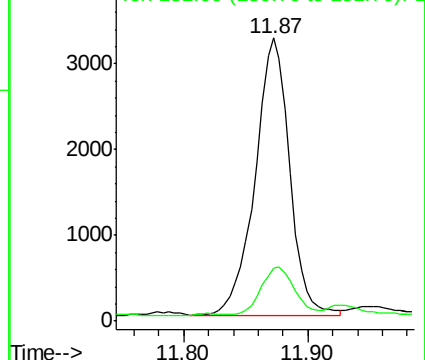
152 100

151 17.0 15.3 22.9



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.356 ng

RT: 11.95 min Scan# 1032

Delta R.T. 0.00 min

Lab File: BN010990.D

Acq: 20 Jun 2020 05:35

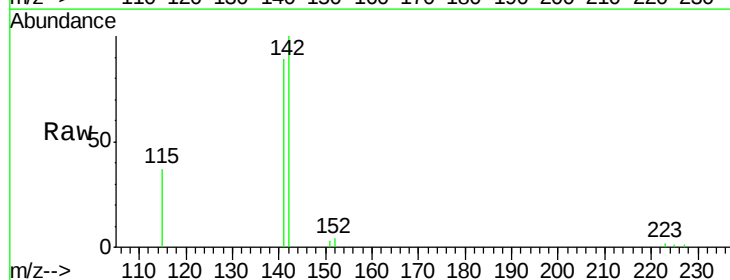
Tgt Ion:142 Resp: 6677

Ion Ratio Lower Upper

142 100

141 89.4 70.8 106.2

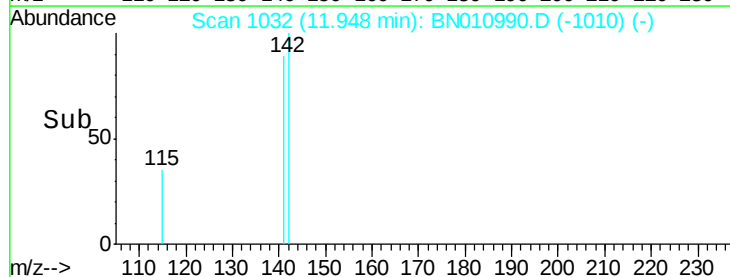
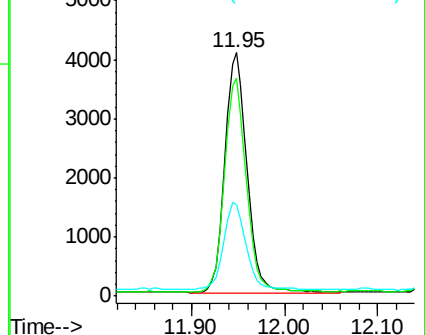
115 37.4 31.5 47.3

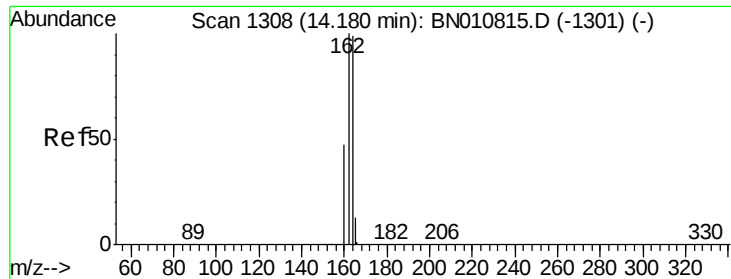


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.15 min Scan# 1305

Delta R.T. -0.00 min

Lab File: BN010990.D

Acq: 20 Jun 2020 05:35

Instrument :

BNA\_N

ClientSampleId :

MW-23MS

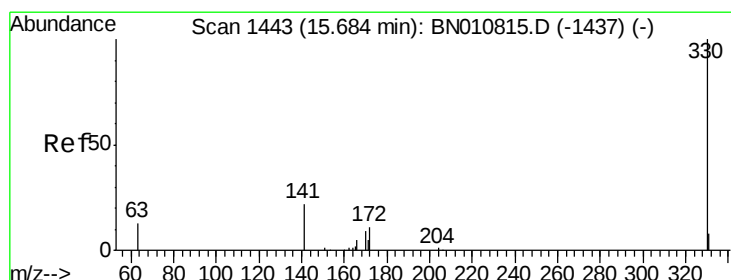
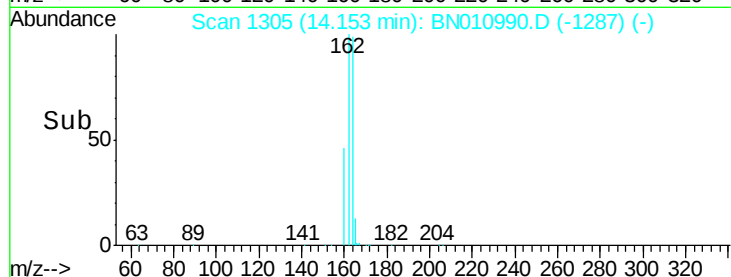
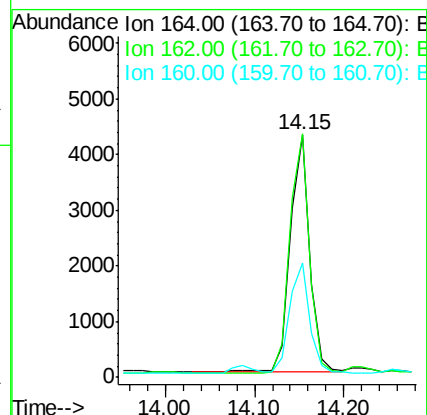
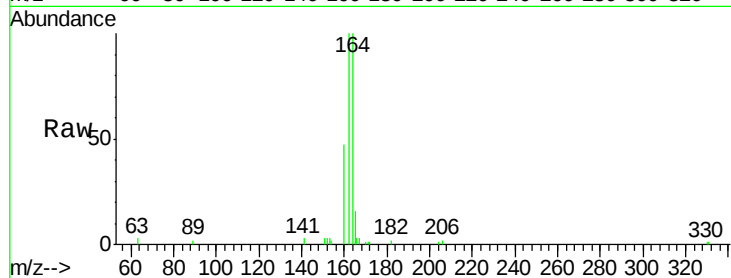
Tot Ion:164 Resp: 6535

Ion Ratio Lower Upper

164 100

162 100.2 81.0 121.6

160 46.9 38.9 58.3



#14

2,4,6-Tribromophenol

Concen: 0.577 ng

RT: 15.65 min Scan# 1439

Delta R.T. -0.00 min

Lab File: BN010990.D

Acq: 20 Jun 2020 05:35

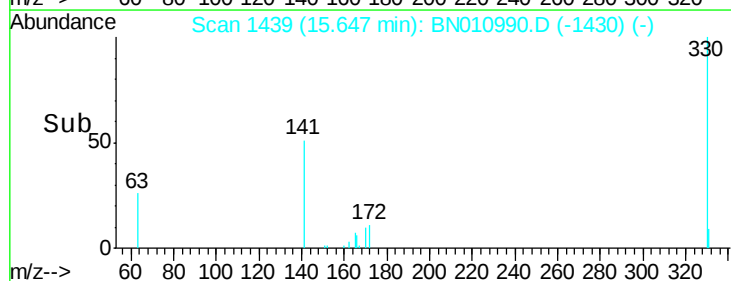
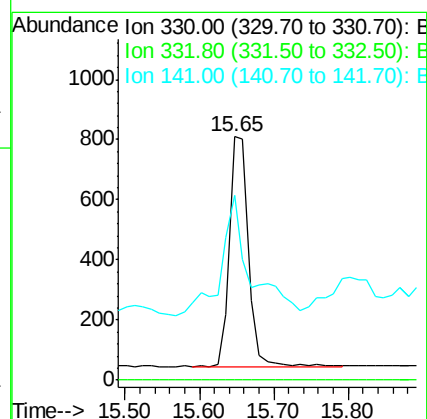
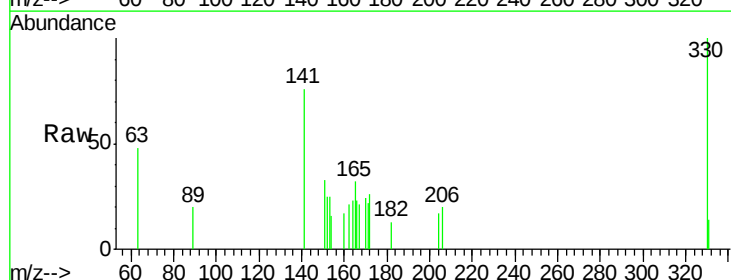
Tgt Ion:330 Resp: 1348

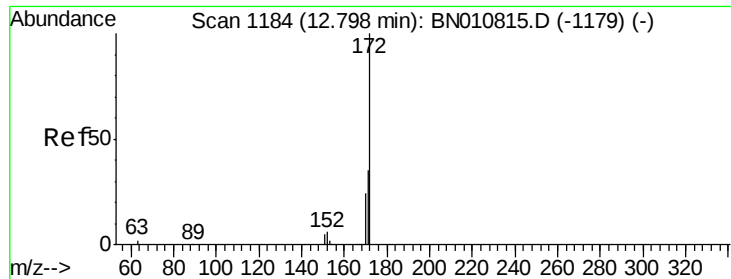
Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

141 82.1 33.2 49.8#

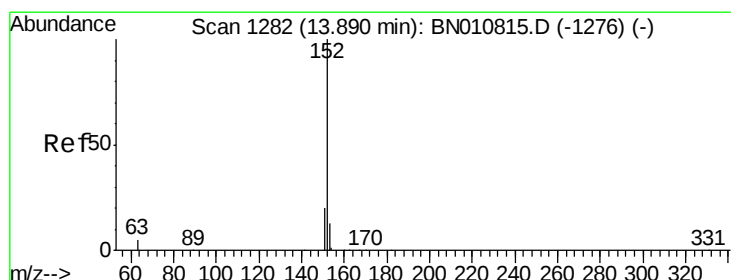
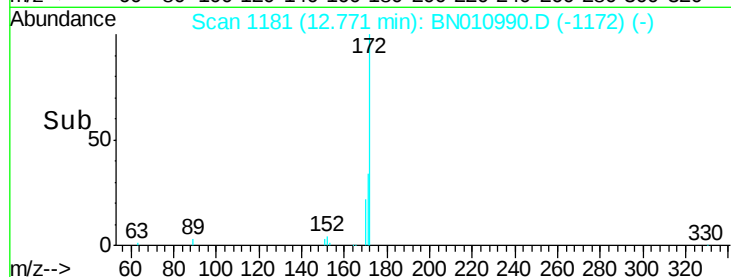
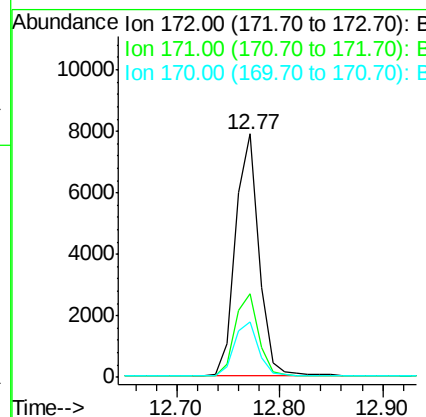
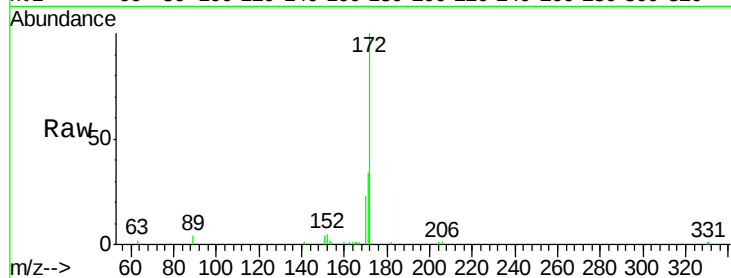




#15  
2-Fluorobiphenyl  
Concen: 0.482 ng  
RT: 12.77 min Scan# 1181  
Delta R.T. -0.00 min  
Lab File: BN010990.D  
Acq: 20 Jun 2020 05:35

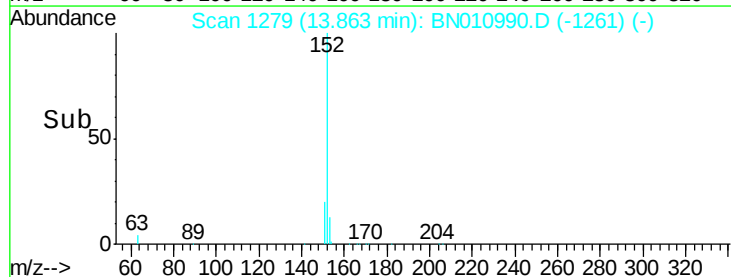
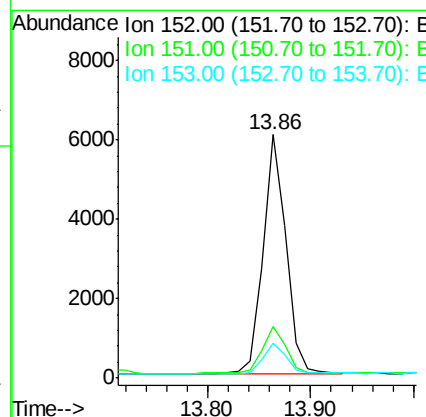
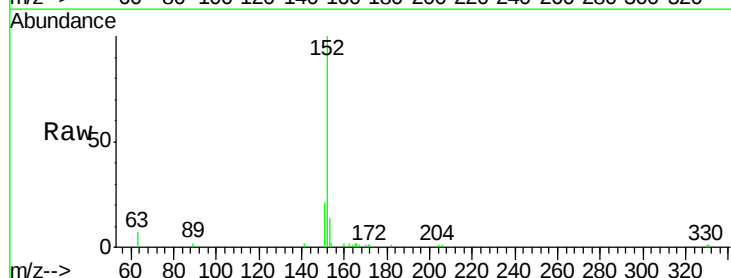
Instrument :  
BNA\_N  
ClientSampleId :  
MW-23MS

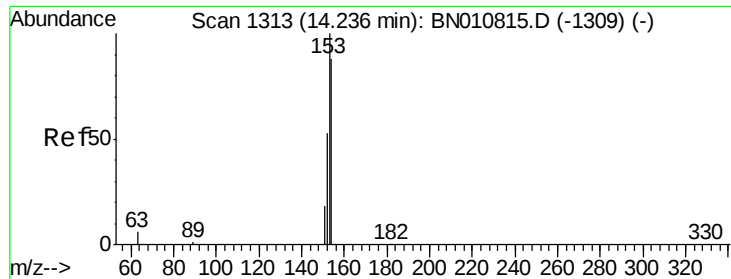
Tot Ion:172 Resp: 12416  
Ion Ratio Lower Upper  
172 100  
171 34.2 28.5 42.7  
170 22.6 19.7 29.5



#16  
Acenaphthylene  
Concen: 0.349 ng  
RT: 13.86 min Scan# 1279  
Delta R.T. -0.00 min  
Lab File: BN010990.D  
Acq: 20 Jun 2020 05:35

Tgt Ion:152 Resp: 9356  
Ion Ratio Lower Upper  
152 100  
151 20.9 15.6 23.4  
153 13.6 10.6 16.0





#17

Acenaphthene

Concen: 0.339 ng

RT: 14.21 min Scan# 1310

Delta R.T. -0.00 min

Lab File: BN010990.D

Acq: 20 Jun 2020 05:35

Instrument :

BNA\_N

ClientSampleId :

MW-23MS

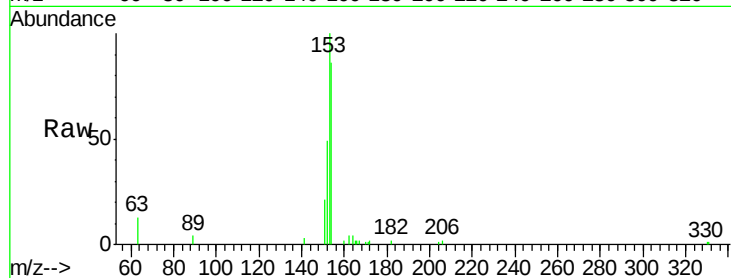
Tot Ion:154 Resp: 6188

Ion Ratio Lower Upper

154 100

153 116.8 91.8 137.6

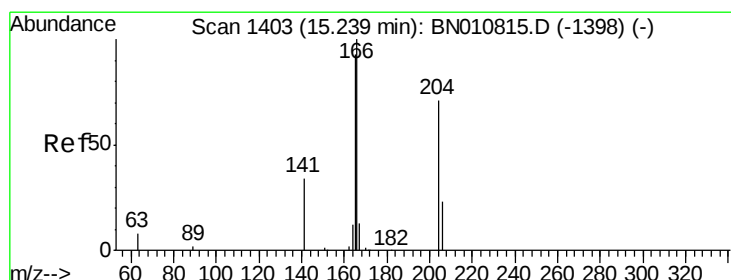
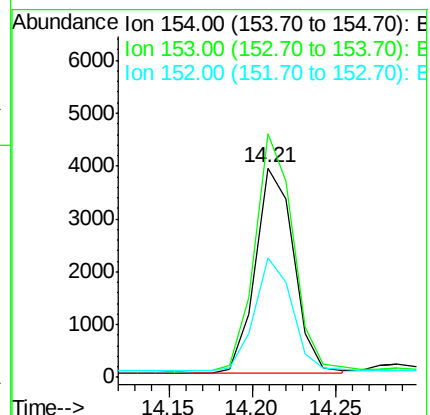
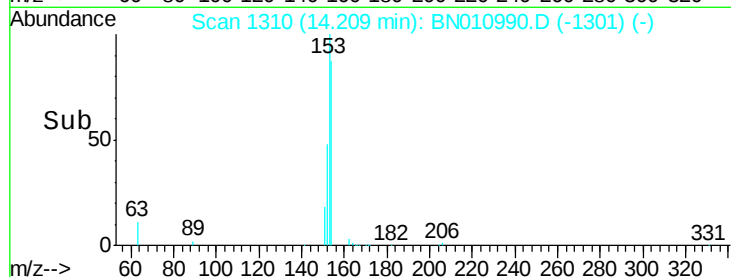
152 55.4 47.6 71.4



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: 0.377 ng

RT: 15.21 min Scan# 1400

Delta R.T. 0.01 min

Lab File: BN010990.D

Acq: 20 Jun 2020 05:35

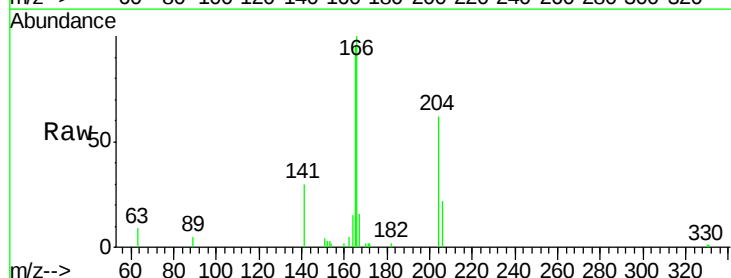
Tgt Ion:166 Resp: 8876

Ion Ratio Lower Upper

166 100

165 97.5 77.2 115.8

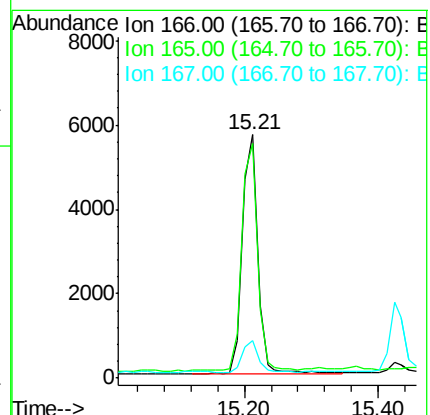
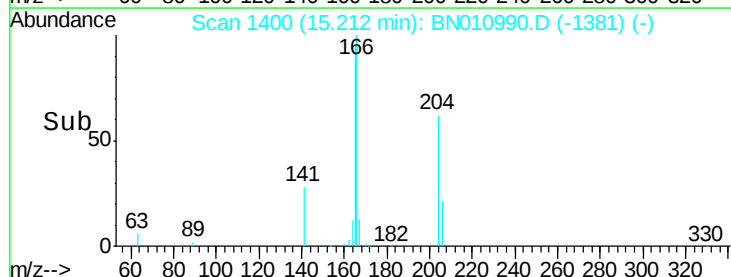
167 13.9 10.7 16.1

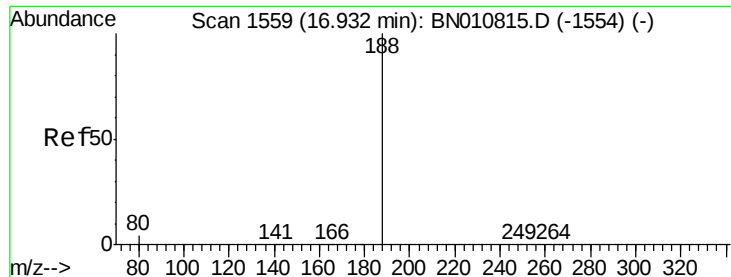


Abundance Ion 166.00 (165.70 to 166.70): E

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: 16.91 min Scan# 1556

Delta R.T. 0.01 min

Lab File: BN010990.D

Acq: 20 Jun 2020 05:35

Instrument :

BNA\_N

ClientSampleId :

MW-23MS

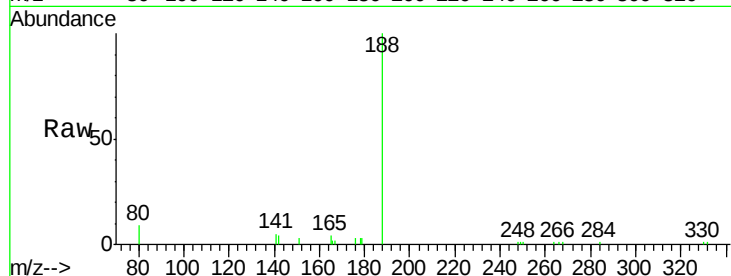
Tot Ion:188 Resp: 14164

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

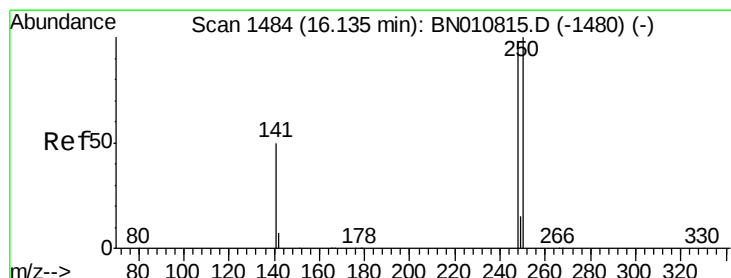
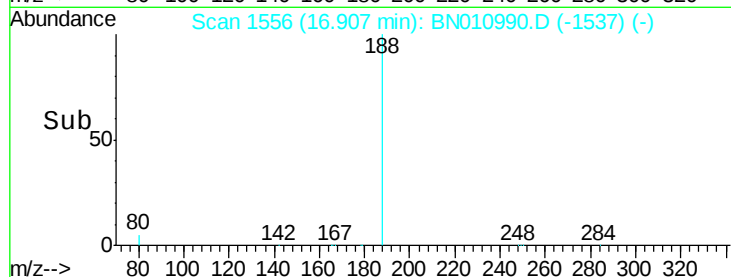
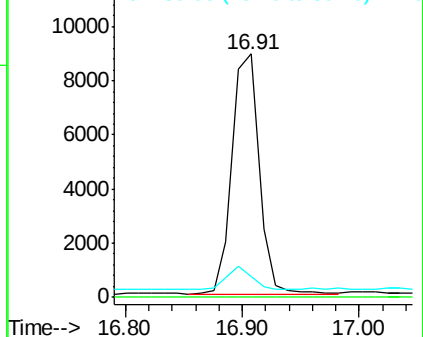
80 8.7 4.5 6.7#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNC

Ion 80.00 (79.70 to 80.70): BNC



#20

4-Bromophenyl-phenylether

Concen: 0.340 ng

RT: 16.11 min Scan# 1481

Delta R.T. 0.01 min

Lab File: BN010990.D

Acq: 20 Jun 2020 05:35

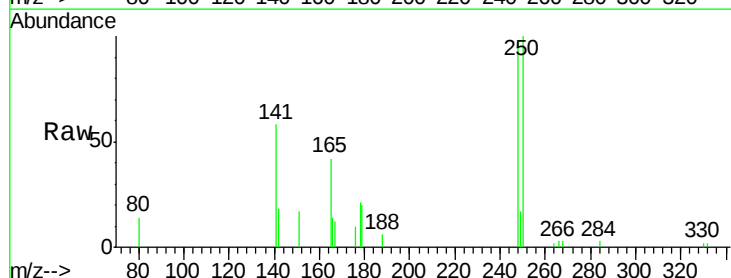
Tgt Ion:248 Resp: 2893

Ion Ratio Lower Upper

248 100

250 103.2 81.8 122.8

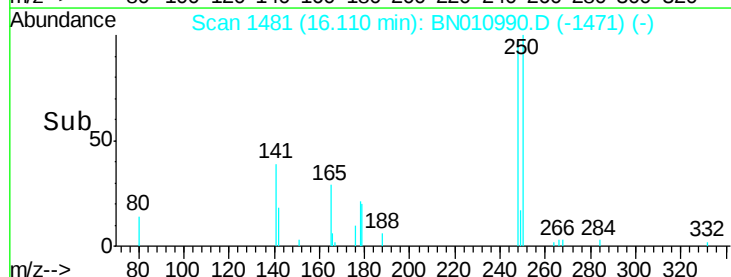
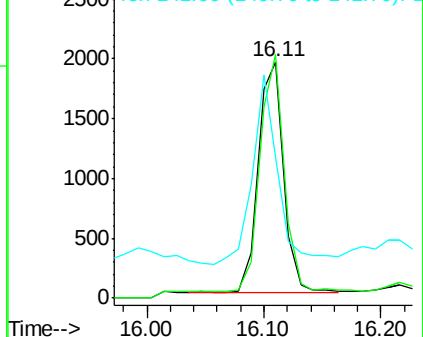
141 59.6 42.6 64.0

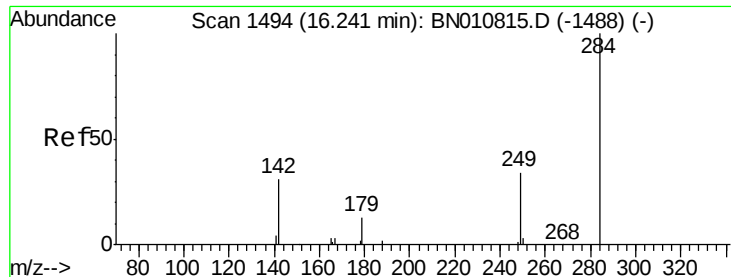


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

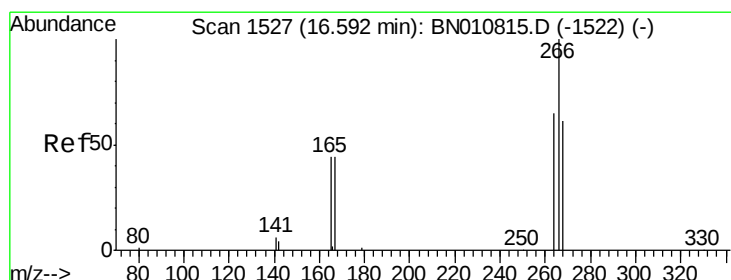
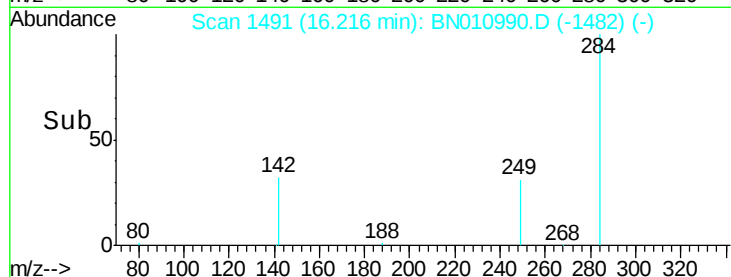
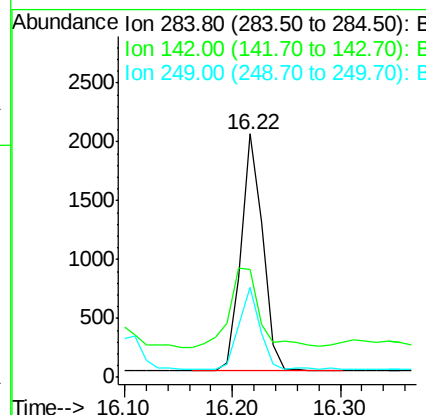
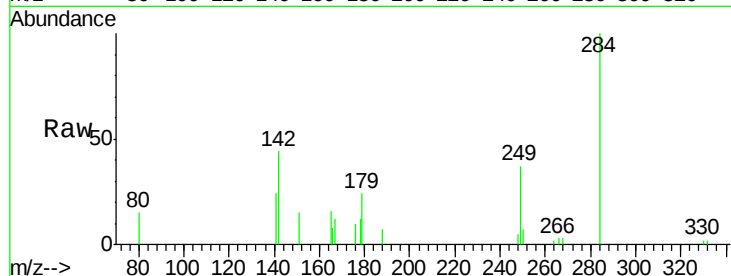




#21  
Hexachlorobenzene  
Concen: 0.317 ng  
RT: 16.22 min Scan# 1491  
Delta R.T. -0.00 min  
Lab File: BN010990.D  
Acq: 20 Jun 2020 05:35

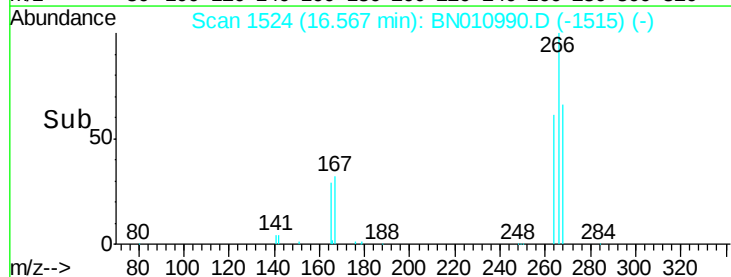
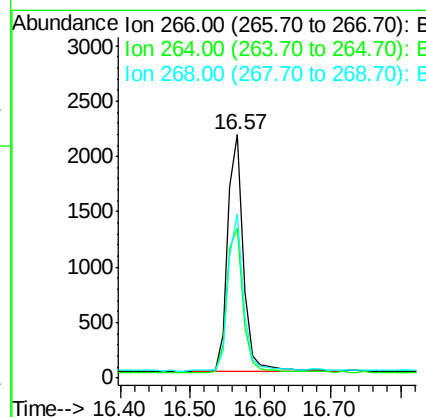
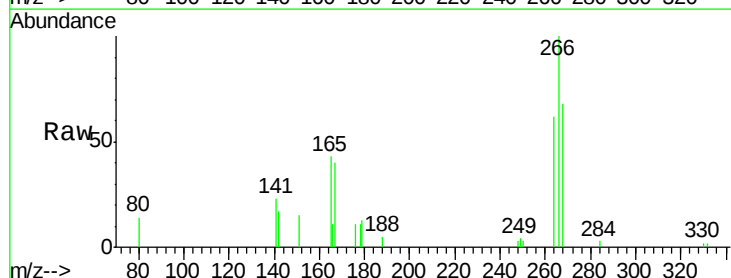
Instrument :  
BNA\_N  
ClientSampleId :  
MW-23MS

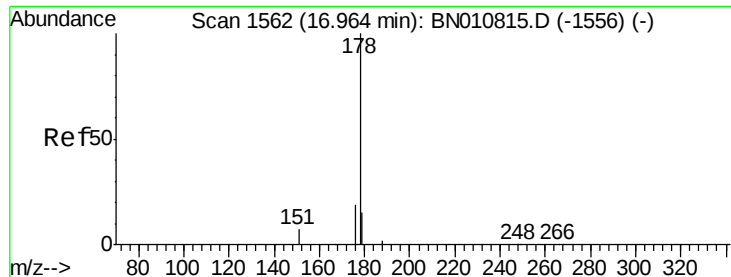
Tot Ion:284 Resp: 2811  
Ion Ratio Lower Upper  
284 100  
142 46.6 31.0 46.4#  
249 32.8 27.1 40.7



#22  
Pentachlorophenol  
Concen: 1.141 ng  
RT: 16.57 min Scan# 1524  
Delta R.T. -0.00 min  
Lab File: BN010990.D  
Acq: 20 Jun 2020 05:35

Tgt Ion:266 Resp: 3401  
Ion Ratio Lower Upper  
266 100  
264 61.6 54.8 82.2  
268 67.7 55.9 83.9





#23

Phenanthrene

Concen: 0.414 ng

RT: 16.94 min Scan# 1559

Delta R.T. -0.00 min

Lab File: BN010990.D

Acq: 20 Jun 2020 05:35

Instrument :

BNA\_N

ClientSampleId :

MW-23MS

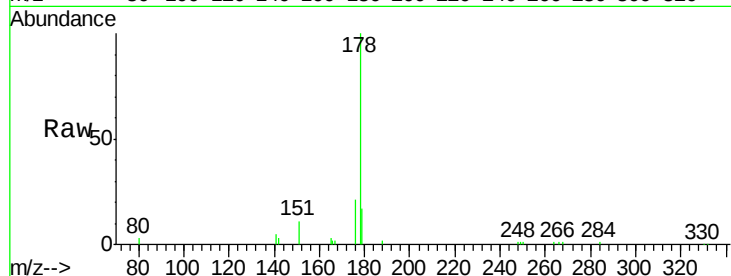
Tot Ion:178 Resp: 16011

Ion Ratio Lower Upper

178 100

176 18.8 15.3 22.9

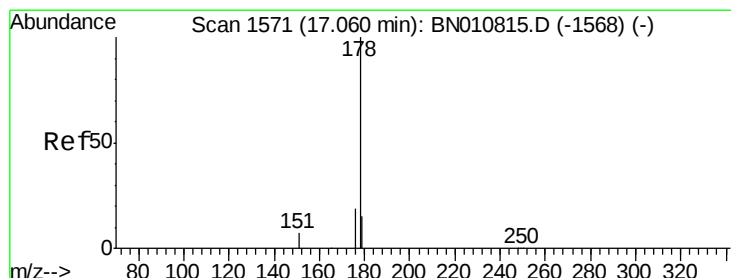
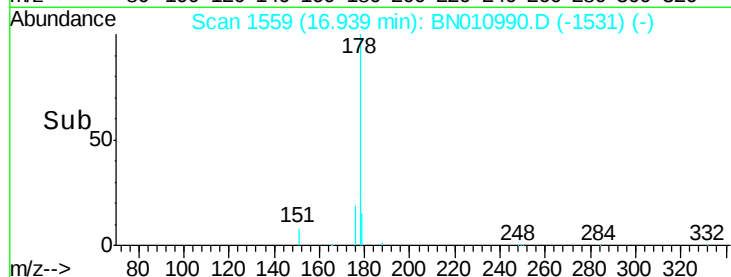
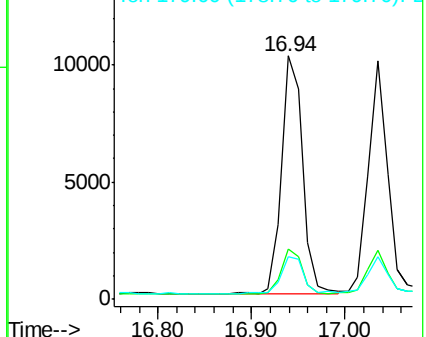
179 16.5 12.6 19.0



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



#24

Anthracene

Concen: 0.448 ng

RT: 17.03 min Scan# 1568

Delta R.T. -0.00 min

Lab File: BN010990.D

Acq: 20 Jun 2020 05:35

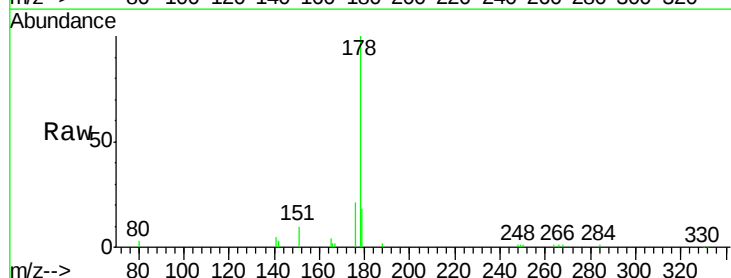
Tgt Ion:178 Resp: 14457

Ion Ratio Lower Upper

178 100

176 19.8 14.6 22.0

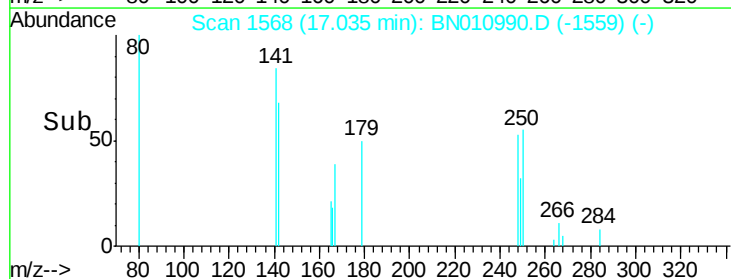
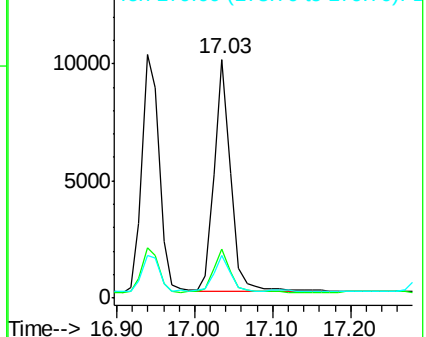
179 14.9 12.3 18.5

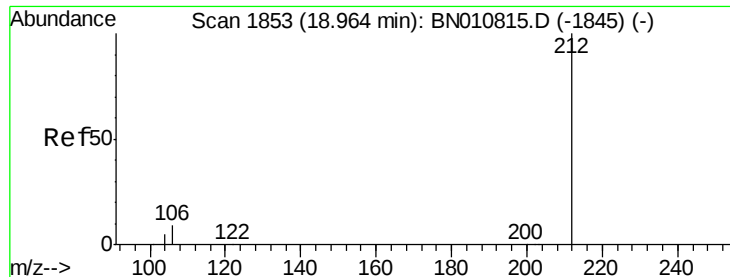


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.380 ng

RT: 18.94 min Scan# 1847

Delta R.T. -0.00 min

Lab File: BN010990.D

Acq: 20 Jun 2020 05:35

Instrument :

BNA\_N

ClientSampleId :

MW-23MS

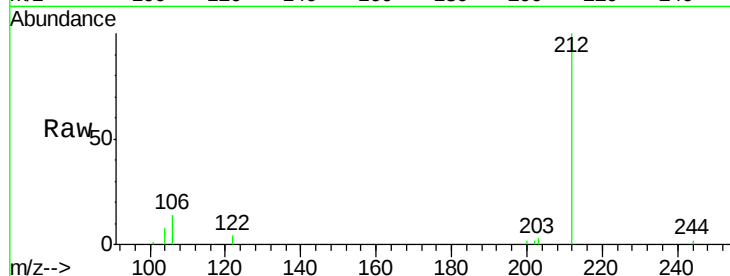
Tot Ion:212 Resp: 14852

Ion Ratio Lower Upper

212 100

106 10.3 6.6 10.0#

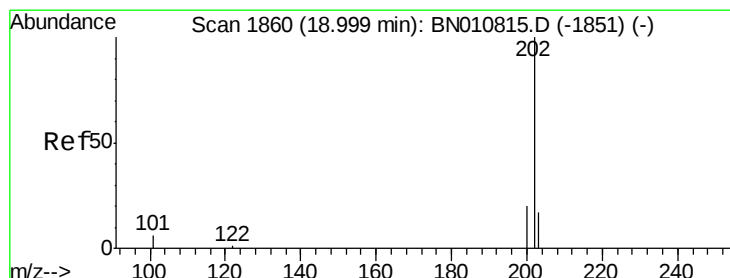
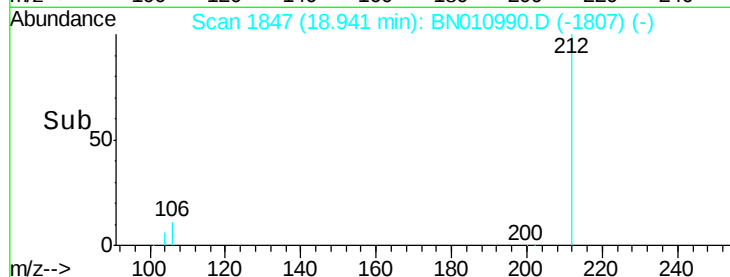
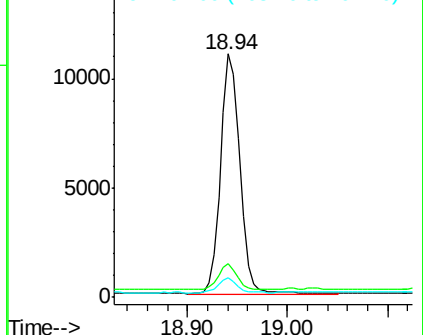
104 5.9 4.0 6.0



Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 0.405 ng

RT: 18.97 min Scan# 1853

Delta R.T. -0.00 min

Lab File: BN010990.D

Acq: 20 Jun 2020 05:35

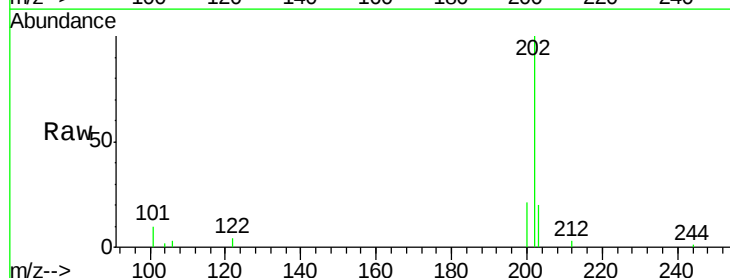
Tgt Ion:202 Resp: 17800

Ion Ratio Lower Upper

202 100

101 9.1 5.8 8.6#

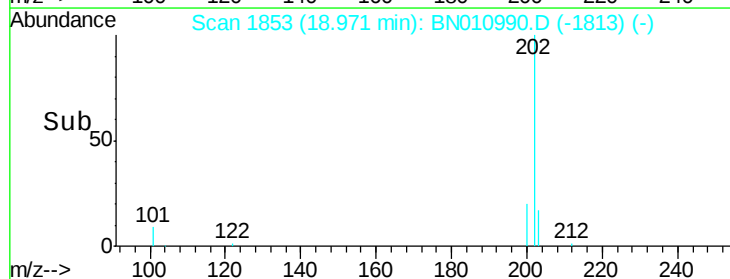
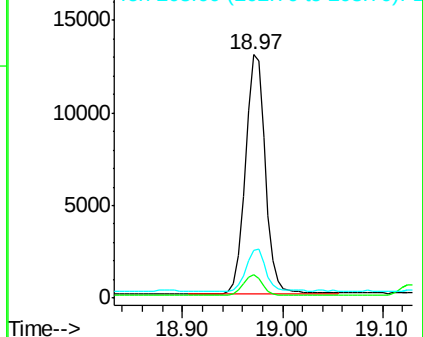
203 17.9 13.7 20.5

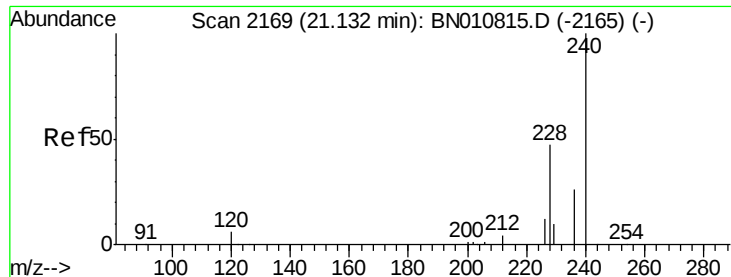


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

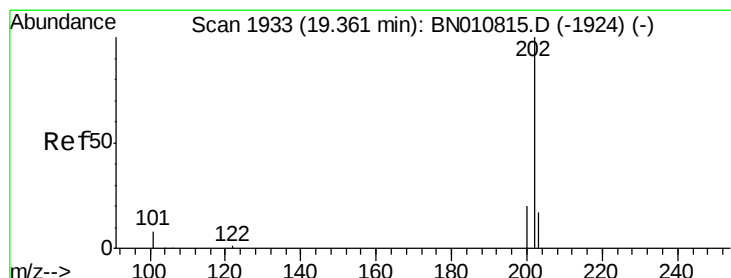
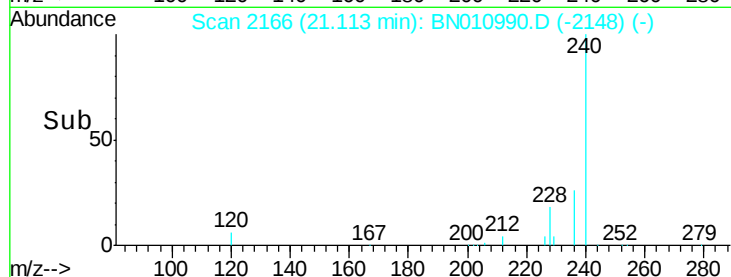
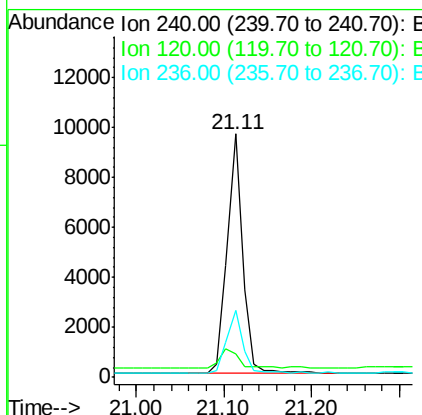
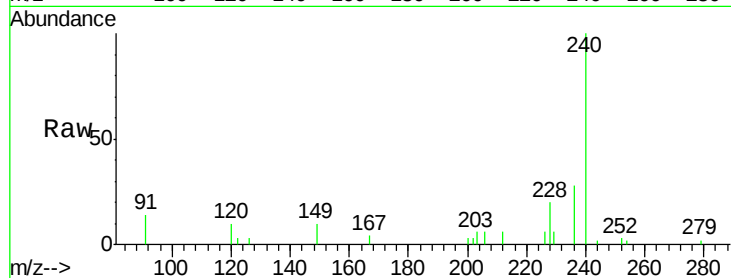




#27  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.11 min Scan# 2166  
Delta R.T. -0.01 min  
Lab File: BN010990.D  
Acq: 20 Jun 2020 05:35

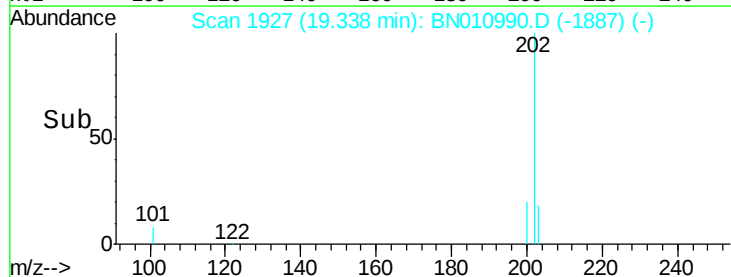
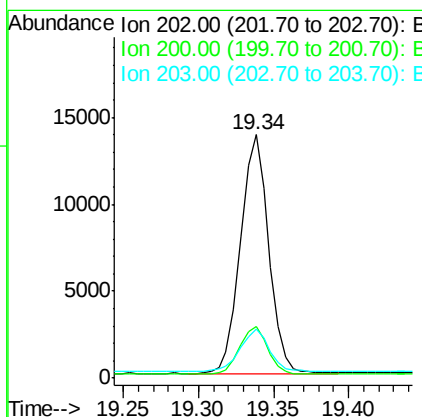
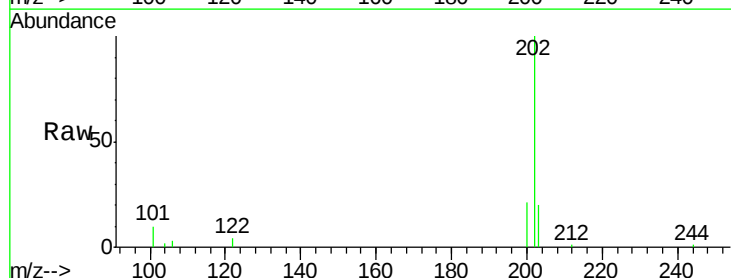
Instrument :  
BNA\_N  
ClientSampleId :  
MW-23MS

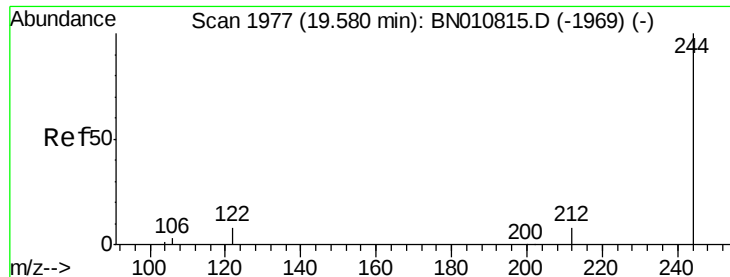
Tot Ion:240 Resp: 11850  
Ion Ratio Lower Upper  
240 100  
120 9.8 7.5 11.3  
236 27.8 22.3 33.5



#28  
Pyrene  
Concen: 0.458 ng  
RT: 19.34 min Scan# 1927  
Delta R.T. -0.00 min  
Lab File: BN010990.D  
Acq: 20 Jun 2020 05:35

Tgt Ion:202 Resp: 17947  
Ion Ratio Lower Upper  
202 100  
200 20.3 16.4 24.6  
203 18.1 14.2 21.4





#29

Terphenyl-d14

Concen: 0.649 ng

RT: 19.56 min Scan# 1971

Delta R.T. -0.00 min

Lab File: BN010990.D

Acq: 20 Jun 2020 05:35

Instrument :

BNA\_N

ClientSampleId :

MW-23MS

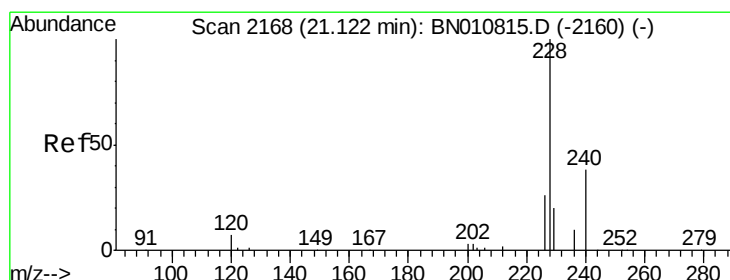
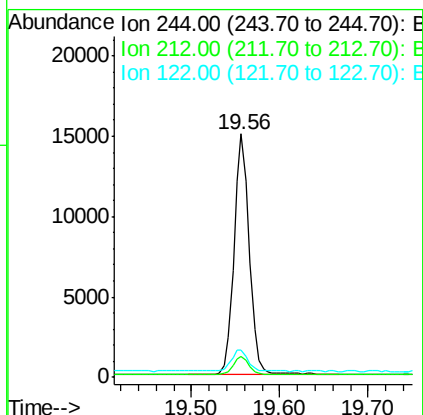
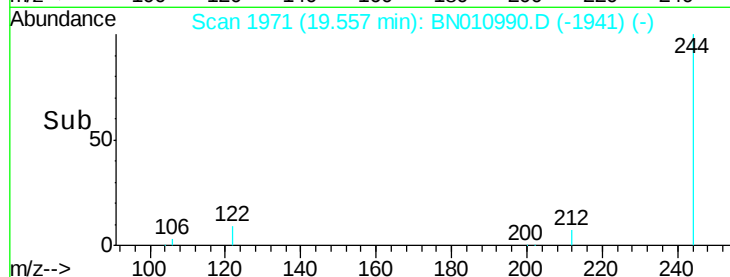
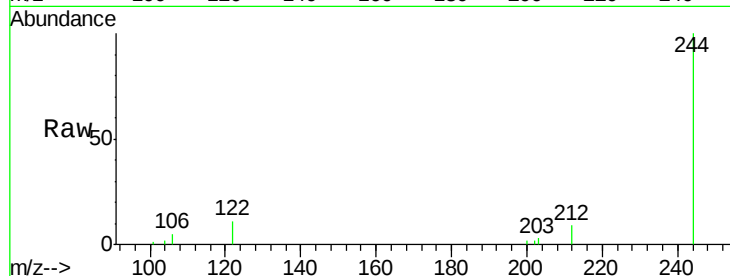
Tot Ion:244 Resp: 18000

Ion Ratio Lower Upper

244 100

212 8.6 7.4 11.2

122 11.3 7.5 11.3#



#30

Benzo(a)anthracene

Concen: 0.431 ng

RT: 21.09 min Scan# 2164

Delta R.T. -0.01 min

Lab File: BN010990.D

Acq: 20 Jun 2020 05:35

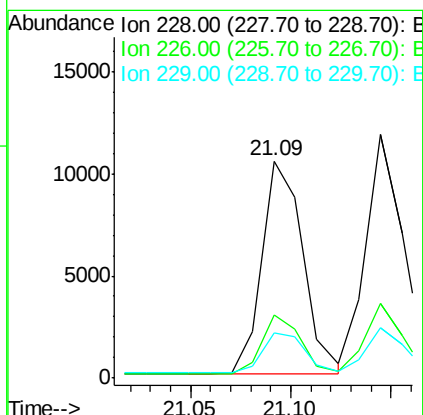
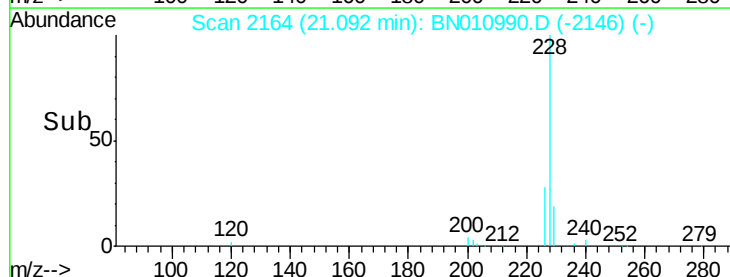
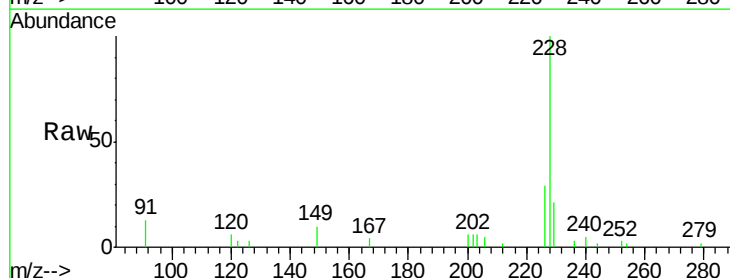
Tgt Ion:228 Resp: 14998

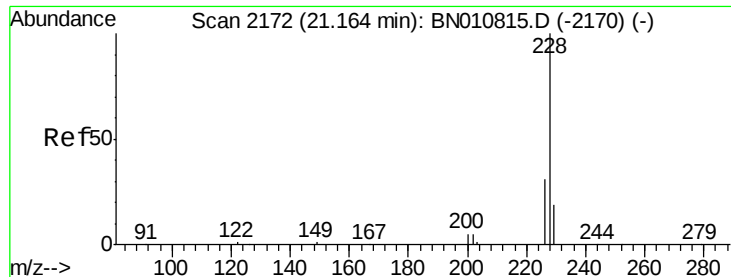
Ion Ratio Lower Upper

228 100

226 29.3 21.3 31.9

229 20.9 16.6 24.8





#31

Chrysene

Concen: 0.374 ng

RT: 21.14 min Scan# 2169

Delta R.T. -0.01 min

Lab File: BN010990.D

Acq: 20 Jun 2020 05:35

Instrument :

BNA\_N

ClientSampleId :

MW-23MS

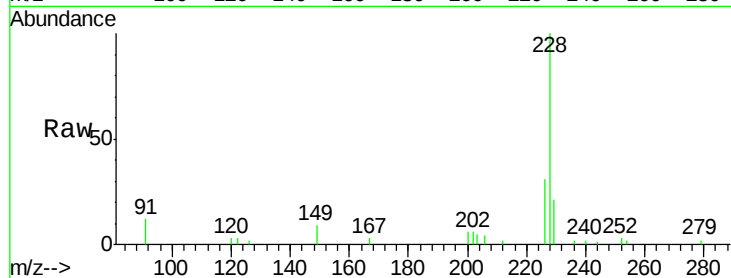
Tot Ion:228 Resp: 15183

Ion Ratio Lower Upper

228 100

226 30.8 25.0 37.6

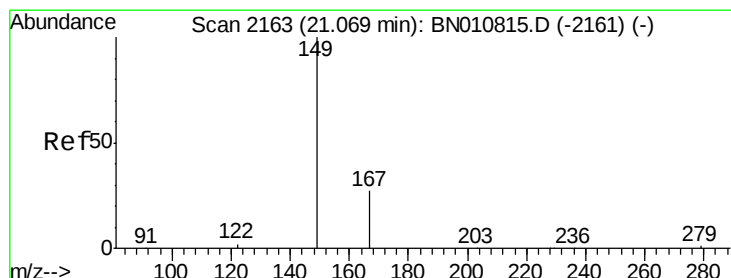
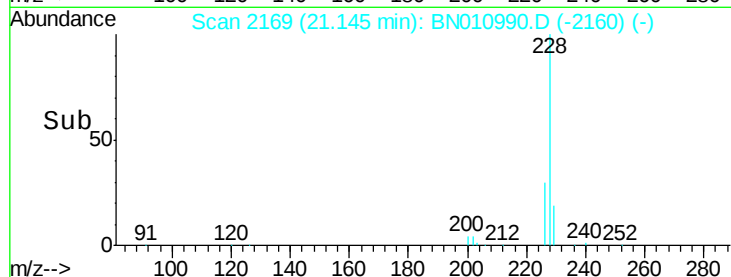
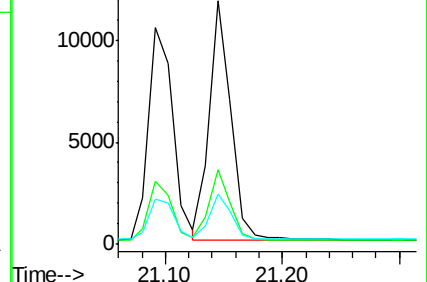
229 20.7 16.1 24.1



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.720 ng

RT: 21.06 min Scan# 2161

Delta R.T. 0.00 min

Lab File: BN010990.D

Acq: 20 Jun 2020 05:35

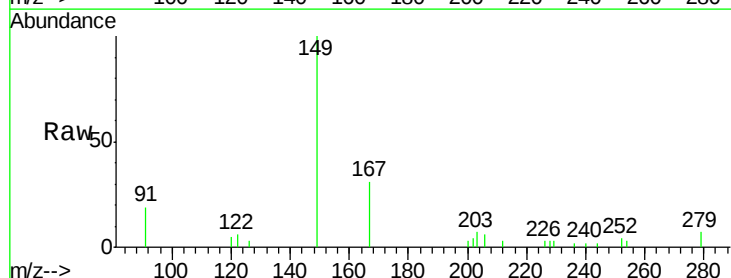
Tgt Ion:149 Resp: 8356

Ion Ratio Lower Upper

149 100

167 28.2 24.1 36.1

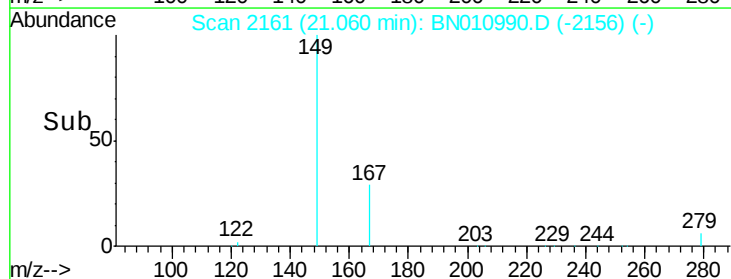
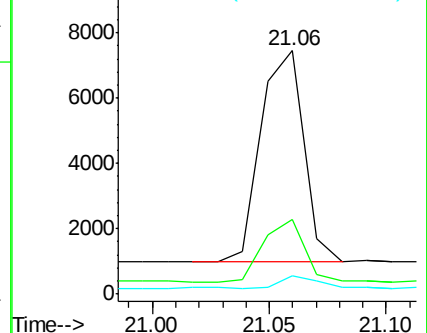
279 4.7 4.6 7.0

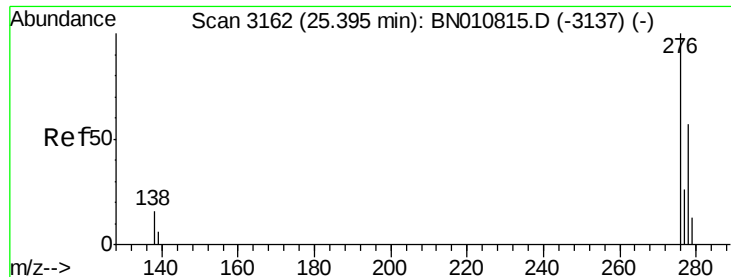


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.364 ng

RT: 25.36 min Scan# 3149

Delta R.T. -0.01 min

Lab File: BN010990.D

Acq: 20 Jun 2020 05:35

Instrument :

BNA\_N

ClientSampleId :

MW-23MS

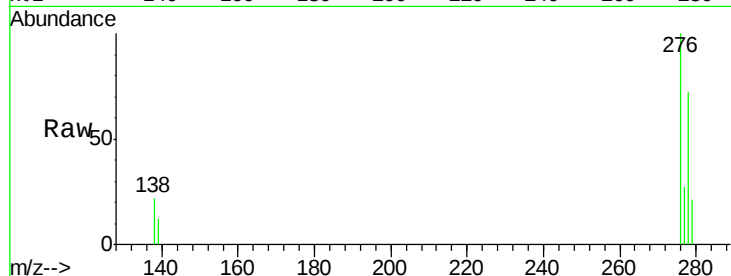
Tot Ion:276 Resp: 16531

Ion Ratio Lower Upper

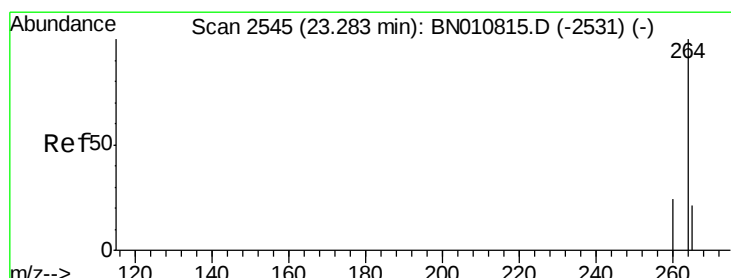
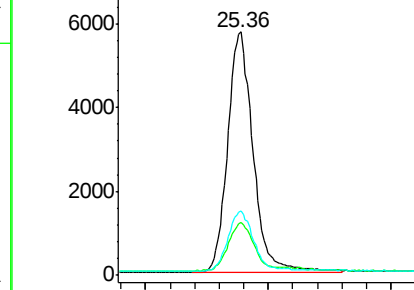
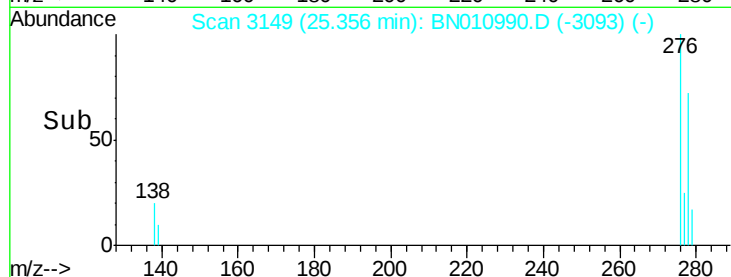
276 100

138 21.3 13.0 19.6#

277 24.9 19.7 29.5



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: 23.25 min Scan# 2535

Delta R.T. -0.01 min

Lab File: BN010990.D

Acq: 20 Jun 2020 05:35

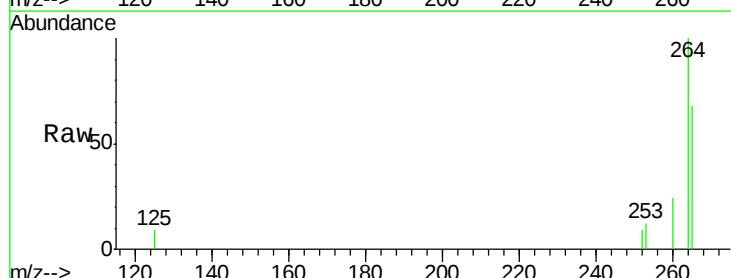
Tgt Ion:264 Resp: 11837

Ion Ratio Lower Upper

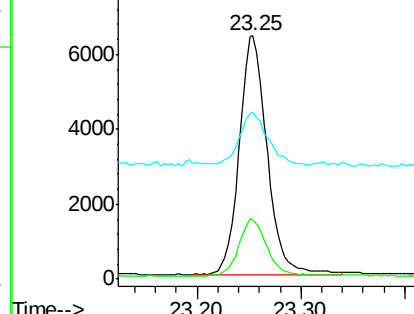
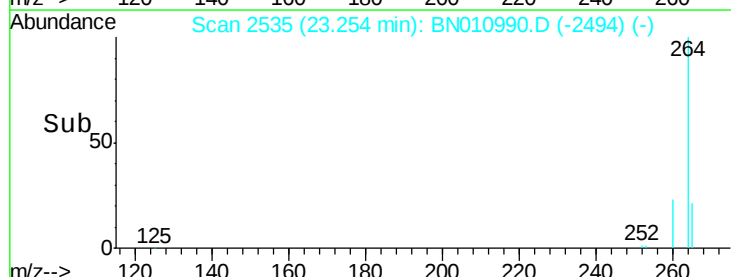
264 100

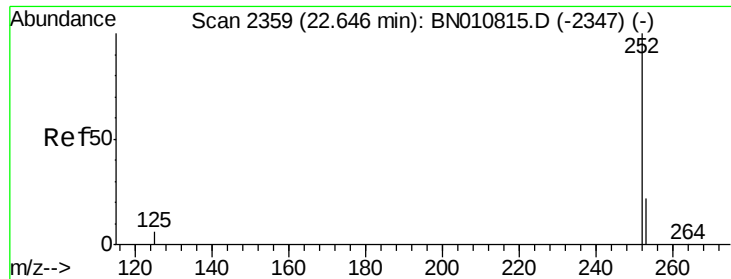
260 24.1 20.4 30.6

265 68.3 75.0 112.4#



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: 0.358 ng

RT: 22.62 min Scan# 2351

Delta R.T. -0.01 min

Lab File: BN010990.D

Acq: 20 Jun 2020 05:35

Instrument :

BNA\_N

ClientSampleId :

MW-23MS

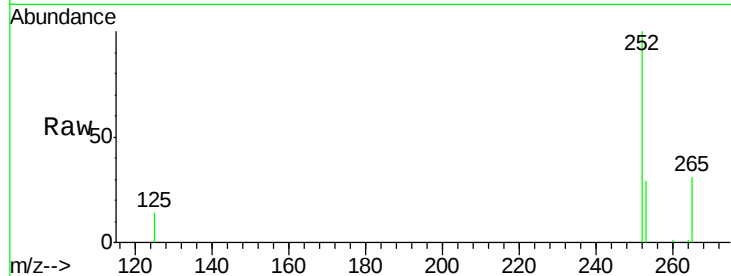
Tot Ion:252 Resp: 14410

Ion Ratio Lower Upper

252 100

253 29.1 22.4 33.6

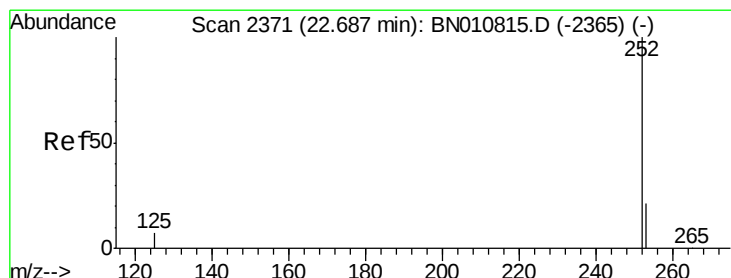
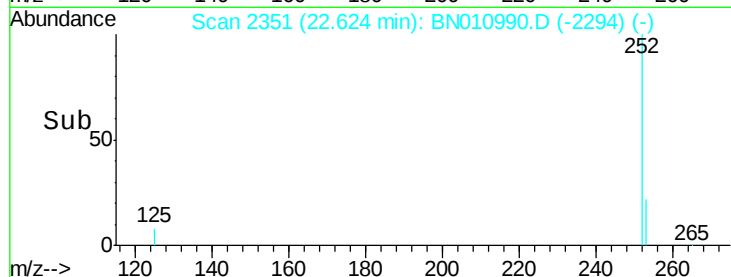
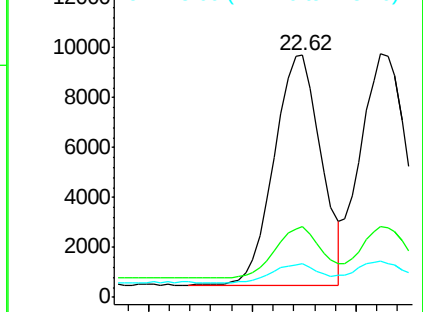
125 13.7 9.4 14.0



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



#36

Benzo(k)fluoranthene

Concen: 0.336 ng

RT: 22.62 min Scan# 2351

Delta R.T. -0.05 min

Lab File: BN010990.D

Acq: 20 Jun 2020 05:35

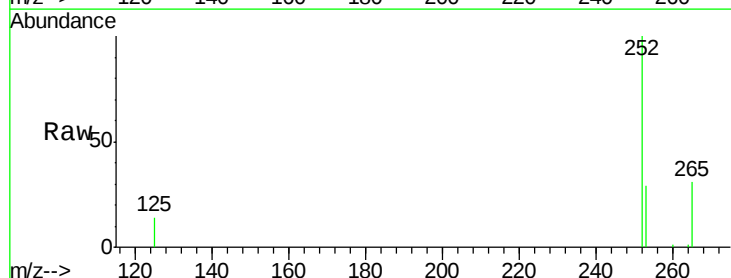
Tgt Ion:252 Resp: 14410

Ion Ratio Lower Upper

252 100

253 29.1 22.2 33.4

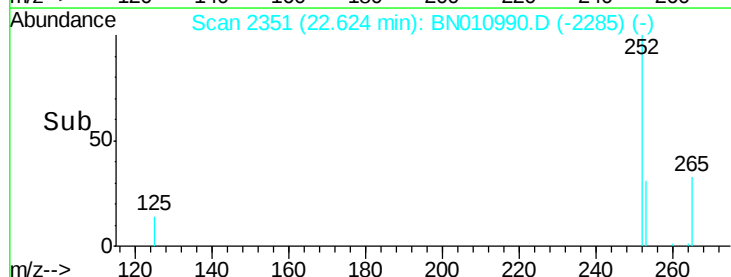
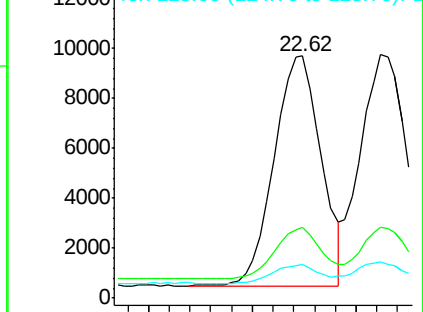
125 13.7 9.8 14.8

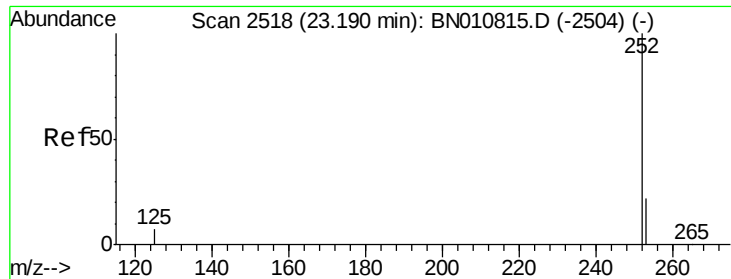


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.365 ng

RT: 23.16 min Scan# 2508

Delta R.T. -0.01 min

Lab File: BN010990.D

Acq: 20 Jun 2020 05:35

Instrument :

BNA\_N

ClientSampleId :

MW-23MS

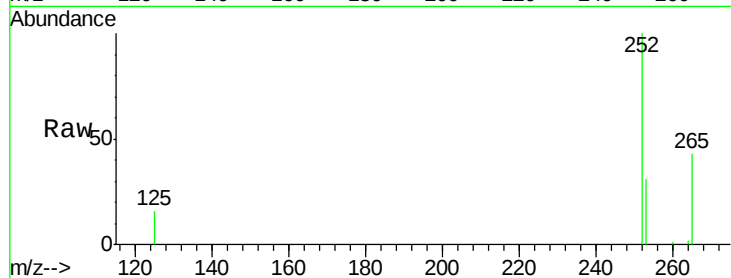
Tot Ion:252 Resp: 12593

Ion Ratio Lower Upper

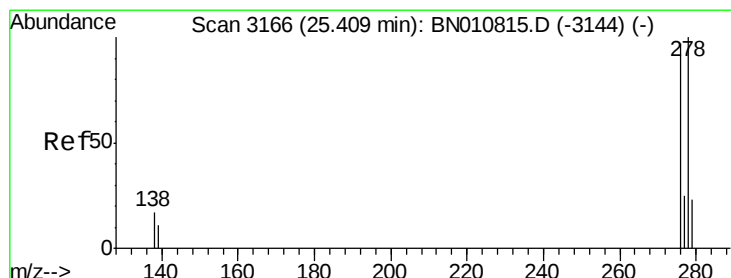
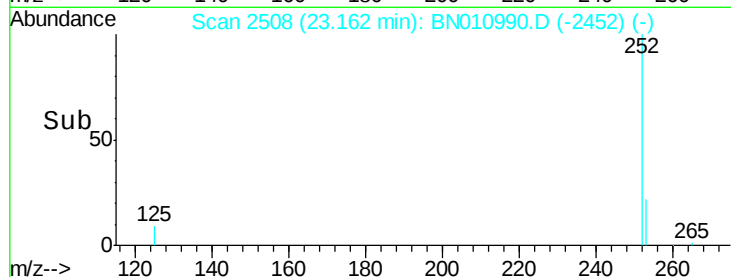
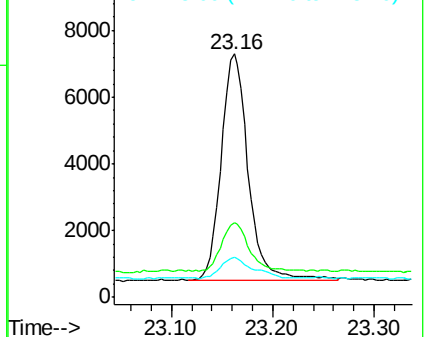
252 100

253 30.8 25.8 38.8

125 16.5 12.4 18.6



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: 0.349 ng

RT: 25.37 min Scan# 3153

Delta R.T. -0.01 min

Lab File: BN010990.D

Acq: 20 Jun 2020 05:35

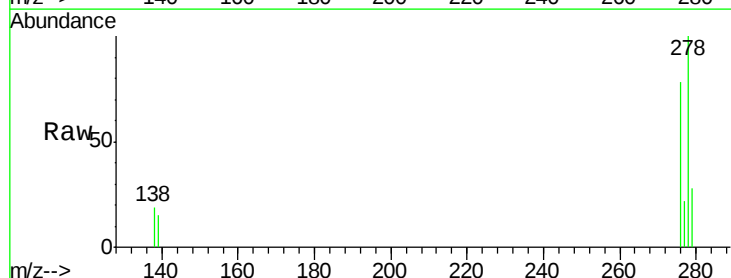
Tgt Ion:278 Resp: 13732

Ion Ratio Lower Upper

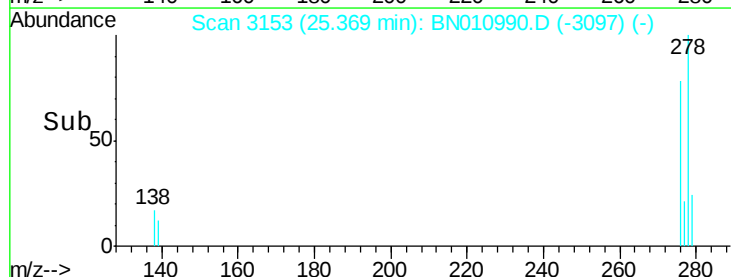
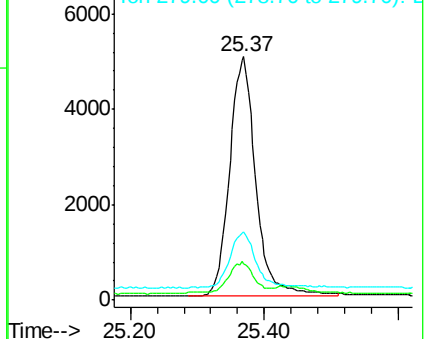
278 100

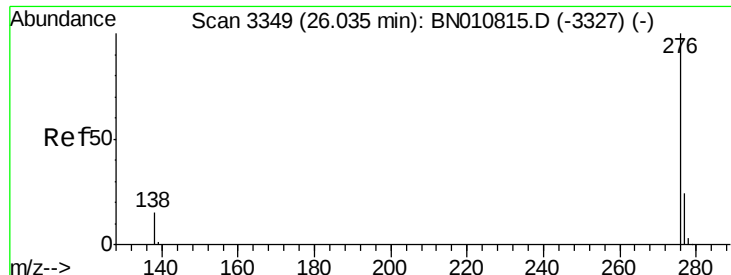
139 14.9 10.6 15.8

279 28.2 23.6 35.4



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: 0.357 ng

RT: 25.99 min Scan# 3334

Delta R.T. -0.01 min

Lab File: BN010990.D

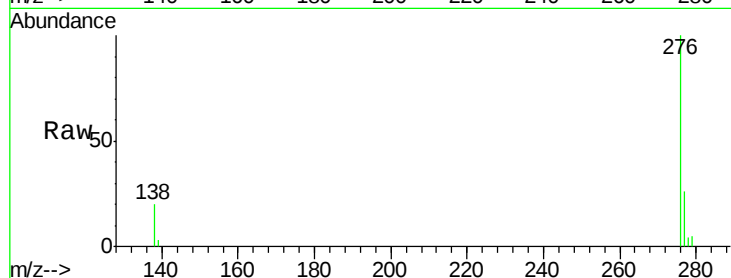
Acq: 20 Jun 2020 05:35

Instrument :

BNA\_N

ClientSampleId :

MW-23MS



Tot Ion: 276 Resp: 14697

Ion Ratio Lower Upper

276 100

277 25.6 20.5 30.7

138 19.7 13.7 20.5

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

